

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122618\
 Data File : VF061183.D
 Acq On : 26 Dec 2018 12:44
 Operator : VA/AP
 Sample : VF1226SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBSD01

Manual Integrations
 APPROVED

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 12/27/2018 4:18:55 PM

Quant Time: Dec 27 00:26:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	197797	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	343960	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	321763	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	163532	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	124154	48.80	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	4.10	113	131446	47.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.42%	
50) Toluene-d8	7.53	98	368230	47.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.32%	
62) 4-Bromofluorobenzene	11.40	95	179380	49.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	76159	17.321	ug/l	96
3) Chloromethane	1.09	50	48571	19.285	ug/l	97
4) Vinyl Chloride	1.13	62	46767	20.017	ug/l	91
5) Bromomethane	1.33	94	30741	18.970	ug/l	90
6) Chloroethane	1.37	64	19061	17.705	ug/l #	80
7) Trichlorofluoromethane	1.48	101	89035	19.958	ug/l	96
8) Diethyl Ether	1.62	74	12142	19.876	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.81	101	43644	18.869	ug/l	93
10) Methyl Iodide	1.89	142	65700	18.019	ug/l	96
11) Tert butyl alcohol	2.56	59	9264	90.239	ug/l	96
12) 1,1-Dichloroethene	1.78	96	34045	19.526	ug/l	90
13) Acrolein	1.99	56	7119	95.966	ug/l	99
14) Allyl chloride	2.09	41	42568	23.460	ug/l	88
15) Acrylonitrile	2.93	53	24237	102.097	ug/l	97
16) Acetone	2.23	43	48016	94.413	ug/l #	90
17) Carbon Disulfide	1.83	76	97399	18.485	ug/l #	93
18) Methyl Acetate	2.33	43	21434	20.371	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	75186	19.427	ug/l	98
20) Methylene Chloride	2.23	84	41569m	23.168	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	35992	19.300	ug/l	93
22) Diisopropyl ether	2.79	45	121983	20.182	ug/l #	98
23) Vinyl Acetate	3.17	43	289885	103.966	ug/l	98
24) 1,1-Dichloroethane	2.86	63	76864	21.464	ug/l	99
25) 2-Butanone	4.32	43	85931	104.182	ug/l	99
26) 2,2-Dichloropropane	3.59	77	45937	22.353	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	53024	18.573	ug/l	93
28) Bromochloromethane	3.70	49	33664	18.527	ug/l	82
29) Tetrahydrofuran	4.06	42	35421	105.512	ug/l	98
30) Chloroform	3.84	83	109626	20.416	ug/l	100
31) Cyclohexane	3.68	56	75079	20.204	ug/l	92
32) 1,1,1-Trichloroethane	4.07	97	78322	24.336	ug/l	94
36) 1,1-Dichloropropene	4.26	75	85243	20.531	ug/l	97
37) Ethyl Acetate	4.09	43	31357	17.347	ug/l #	79
38) Carbon Tetrachloride	3.97	117	67391	21.314	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	82332	22.104	ug/l	95
40) Benzene	4.61	78	174918	19.591	ug/l	97
41) Methacrylonitrile	4.73	41	18217	20.776	ug/l #	88
42) 1,2-Dichloroethane	4.93	62	65539	19.323	ug/l	99
43) Isopropyl Acetate	6.95	43	45245	22.569	ug/l	94
44) Trichloroethene	5.48	130	58360	20.732	ug/l	97
45) 1,2-Dichloropropane	6.22	63	49872	20.531	ug/l	94
46) Dibromomethane	6.07	93	30488	19.351	ug/l	99
47) Bromodichloromethane	6.37	83	79292	19.370	ug/l #	98
48) Methyl methacrylate	6.70	41	26823	19.166	ug/l	93
49) 1,4-Dioxane	6.70	88	3550	349.589	ug/l #	73
51) 4-Methyl-2-Pentanone	8.24	43	144411	105.036	ug/l	98
52) Toluene	7.61	92	118479	20.046	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	64944	19.666	ug/l	95
54) cis-1,3-Dichloropropene	7.29	75	81996	19.783	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	34463	19.451	ug/l	92
56) Ethyl methacrylate	8.61	69	37143	19.373	ug/l	95
57) 1,3-Dichloropropane	8.83	76	64661	20.178	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.28	63	30865	83.823	ug/l	100
59) 2-Hexanone	9.48	43	110062	110.695	ug/l	99
60) Dibromochloromethane	8.70	129	49507	19.492	ug/l	93
61) 1,2-Dibromoethane	8.97	107	37492	19.813	ug/l	90
64) Tetrachloroethene	8.13	164	47104	19.031	ug/l	98
65) Chlorobenzene	9.78	112	131591	19.797	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.91	131	51744	19.049	ug/l	95
67) Ethyl Benzene	9.88	91	257190	21.238	ug/l	100
68) m/p-Xylenes	10.12	106	174721	40.997	ug/l	100
69) o-Xylene	10.70	106	100931	21.354	ug/l	93
70) Styrene	10.78	104	135844	20.727	ug/l	99
71) Bromoform	10.76	173	24914	19.824	ug/l #	98
73) Isopropylbenzene	11.11	105	279682	19.846	ug/l	100
74) N-amyl acetate	11.36	43	65802	21.031	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	47498	20.308	ug/l	96
76) 1,2,3-Trichloropropane	11.78	75	36107	20.744	ug/l	94
77) Bromobenzene	11.49	156	56914	18.761	ug/l	81
78) n-propylbenzene	11.59	91	341687	18.563	ug/l	96
79) 2-Chlorotoluene	11.71	91	186862	19.329	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	234650	20.221	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	14704m	19.659	ug/l	
82) 4-Chlorotoluene	11.88	91	199083	19.907	ug/l	95
83) tert-Butylbenzene	12.12	119	239669	20.071	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	229519	19.834	ug/l	94
85) sec-Butylbenzene	12.30	105	329418	21.140	ug/l	99
86) p-Isopropyltoluene	12.45	119	260174	20.115	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	111715	19.258	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	110229	19.788	ug/l	97
89) n-Butylbenzene	12.83	91	282149	18.967	ug/l	93
90) Hexachloroethane	12.91	117	62147	19.447	ug/l	93
91) 1,2-Dichlorobenzene	12.93	146	109708	20.229	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8438	19.660	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	77420	20.129	ug/l	95
94) Hexachlorobutadiene	14.18	225	48495	19.797	ug/l	95
95) Naphthalene	14.45	128	136900	19.492	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	69875	19.652	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

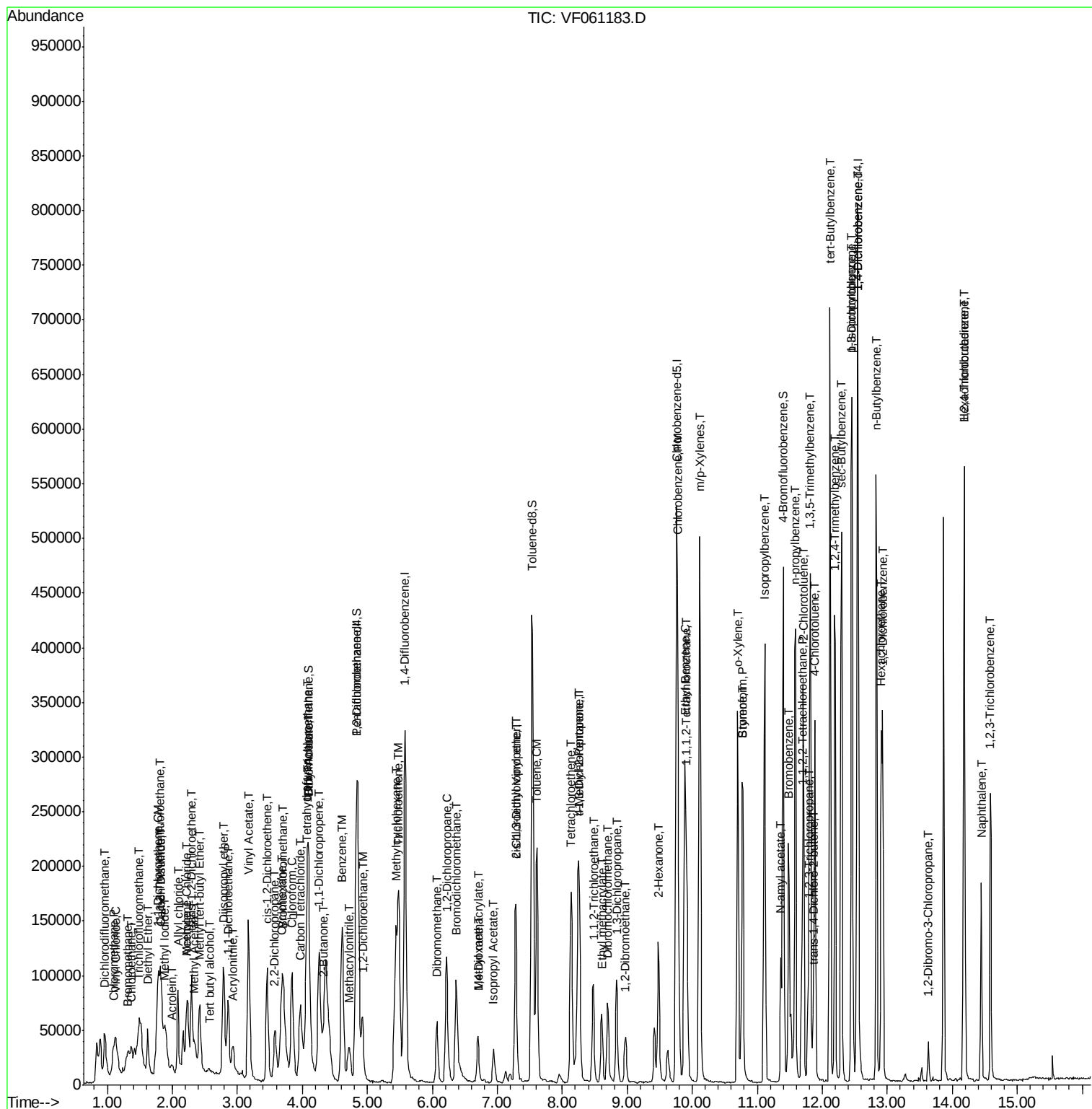
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Data File : VF061183.D
Acq On : 26 Dec 2018 12:44
Operator : VA/AP
Sample : VF1226SBSD01
Misc : 5.00µ/5mL/MSVOA-F/SOIL
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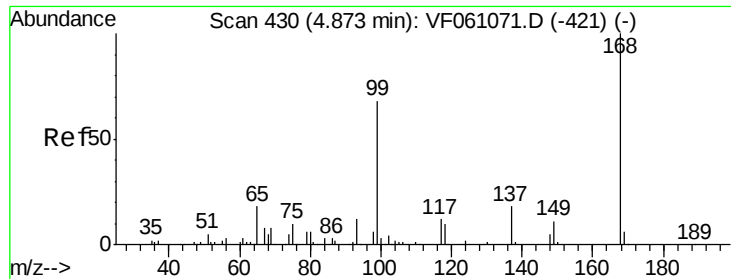
Instrument :
MSVOA_F
ClientSampleId :
VF1226SBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion:168 Resp: 197797

Ion Ratio Lower Upper

168 100

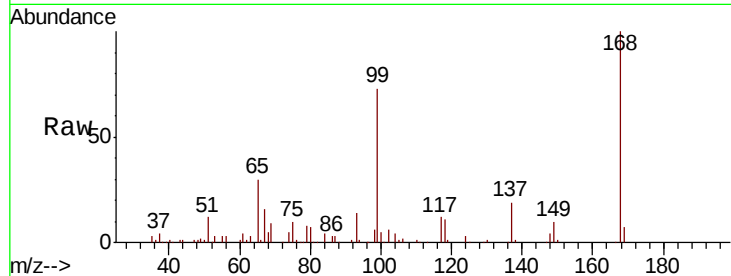
99 73.0 54.4 81.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

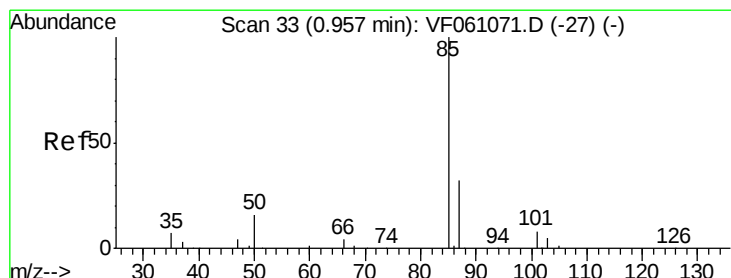
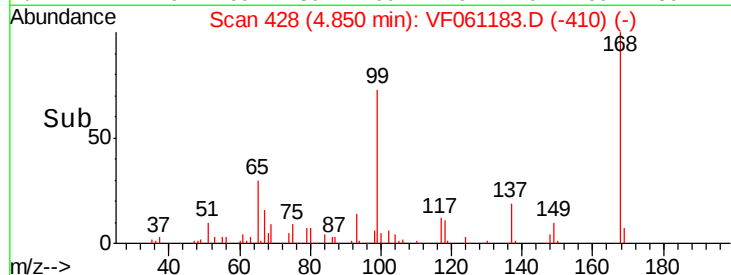
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.321 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061183.D

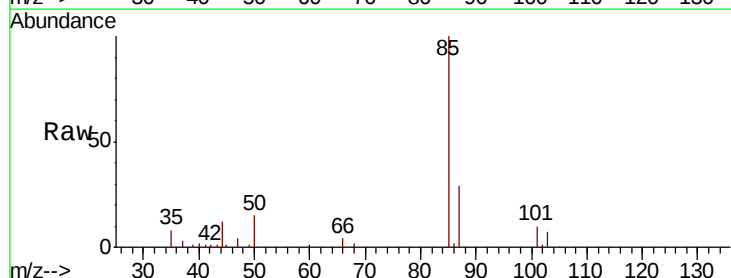
Acq: 26 Dec 2018 12:44

Tgt Ion: 85 Resp: 76159

Ion Ratio Lower Upper

85 100

87 29.2 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

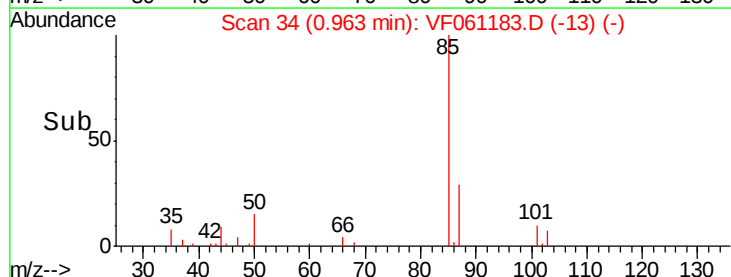
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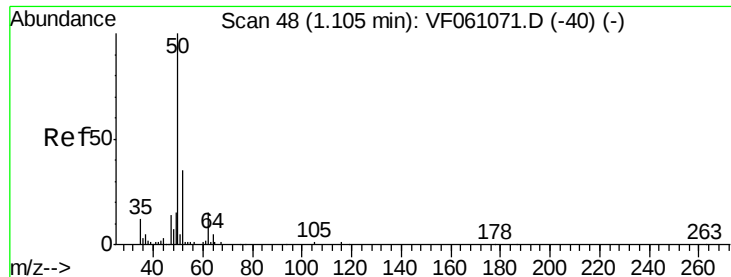
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.285 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 50 Resp: 48571

Ion Ratio Lower Upper

50 100

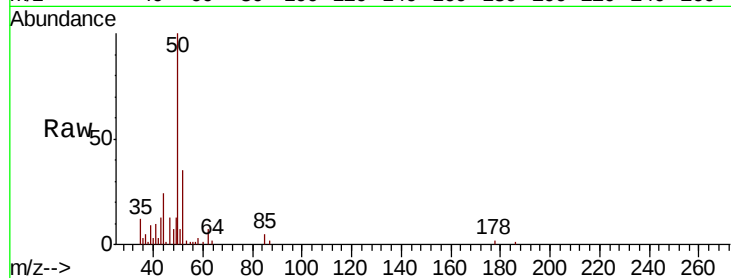
52 34.7 26.3 39.5

Manual Integrations

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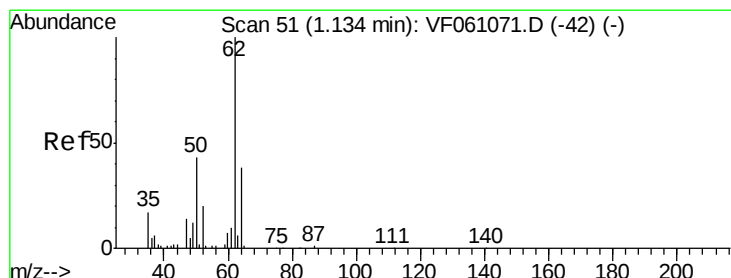
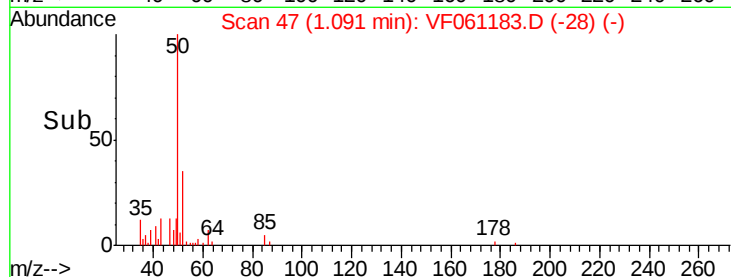
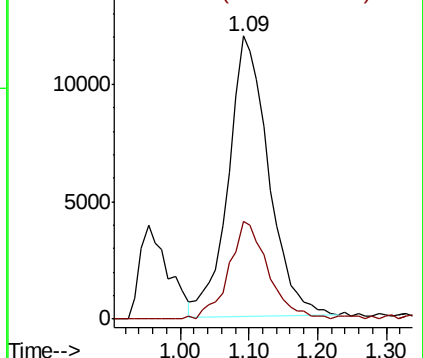
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 20.017 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061183.D

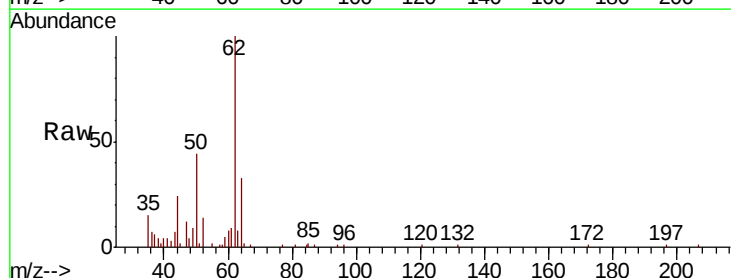
Acq: 26 Dec 2018 12:44

Tgt Ion: 62 Resp: 46767

Ion Ratio Lower Upper

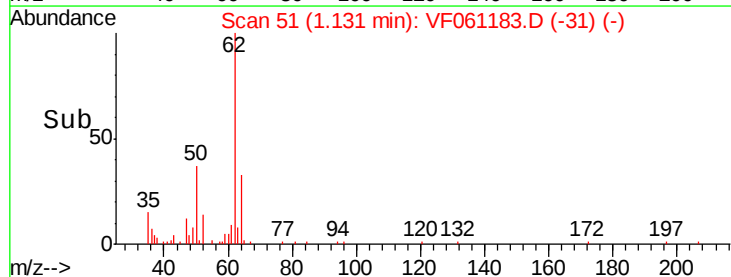
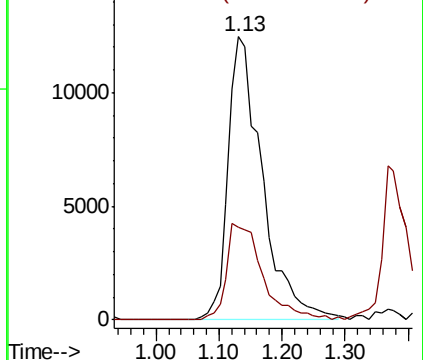
62 100

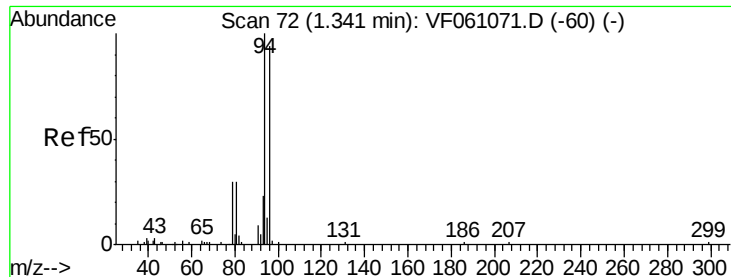
64 32.7 30.4 45.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 18.970 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 94 Resp: 30741

Ion Ratio Lower Upper

94 100

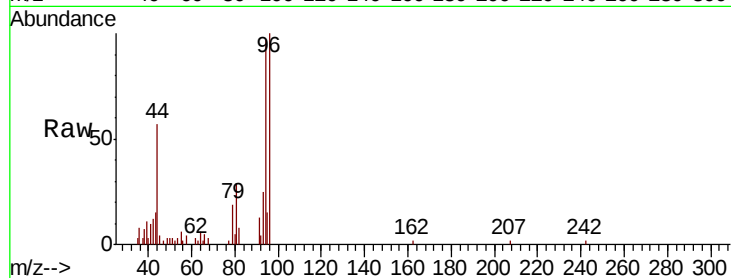
96 102.9 74.4 111.6

Manual Integrations

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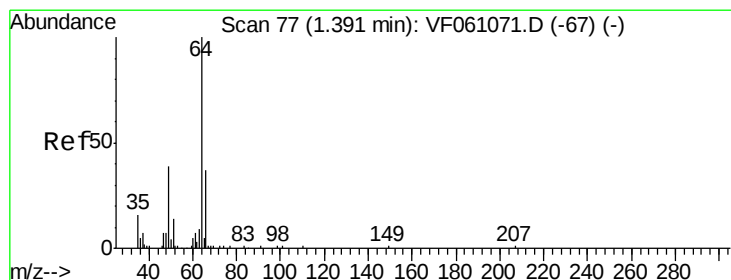
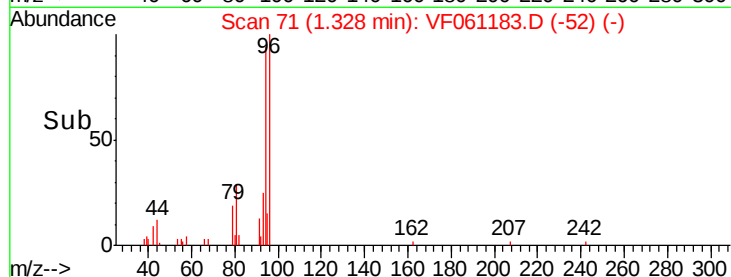
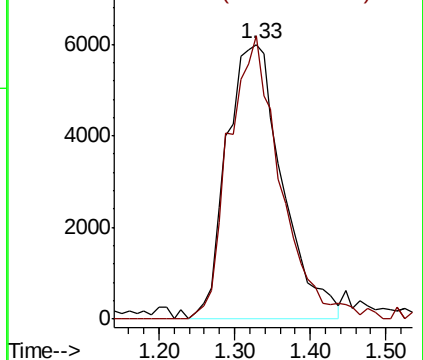
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 17.705 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061183.D

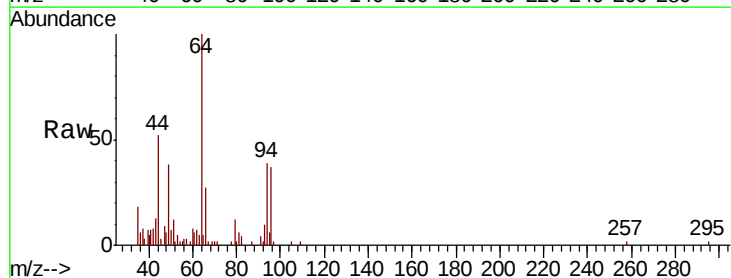
Acq: 26 Dec 2018 12:44

Tgt Ion: 64 Resp: 19061

Ion Ratio Lower Upper

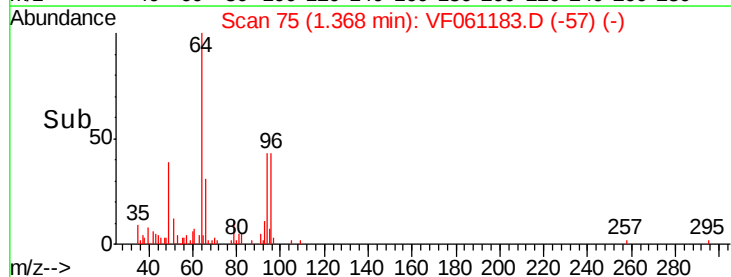
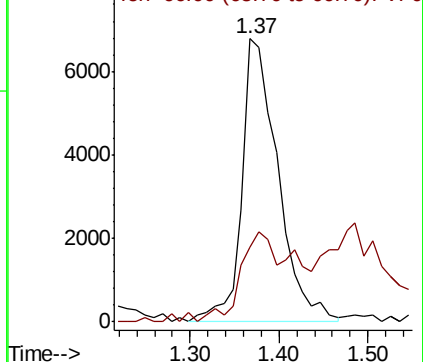
64 100

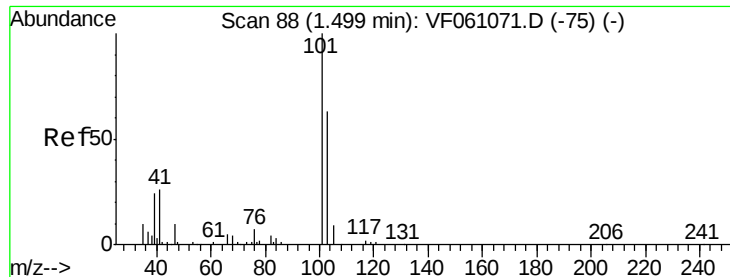
66 26.5 30.9 46.3#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

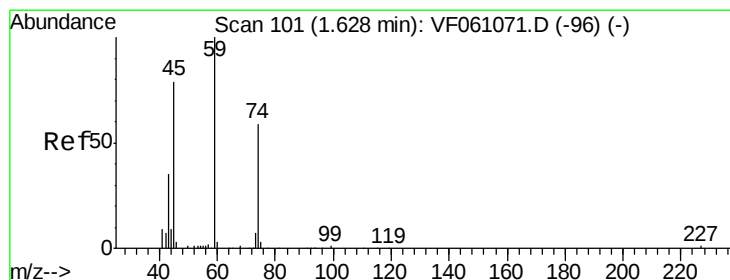
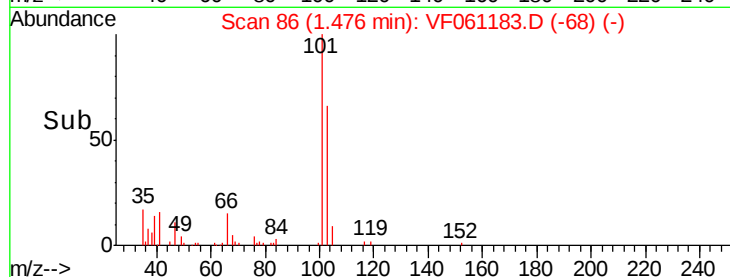
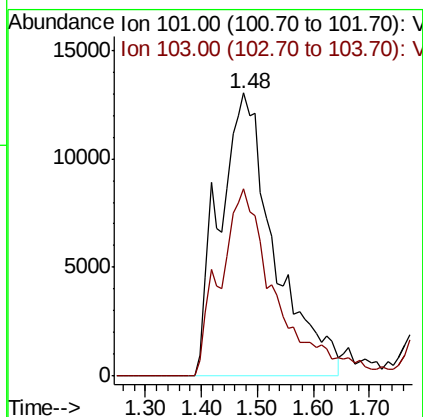
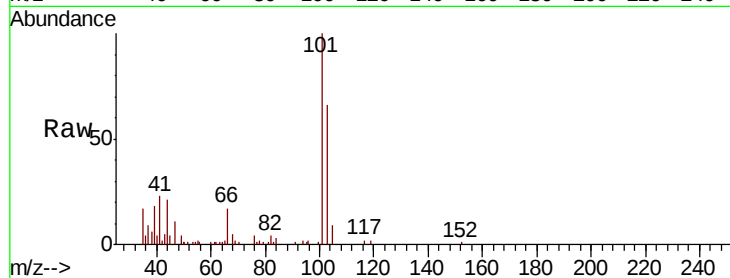
Trichlorofluoromethane
Concen: 19.958 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.02 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.7	76.1

Manual Integrations
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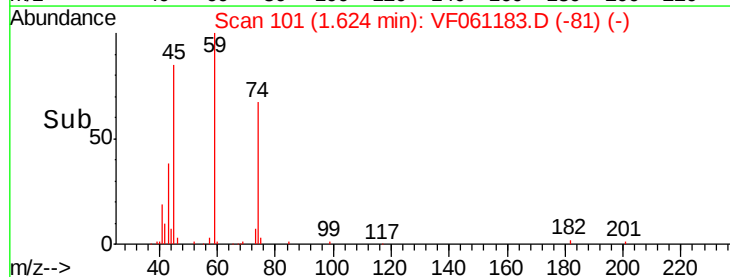
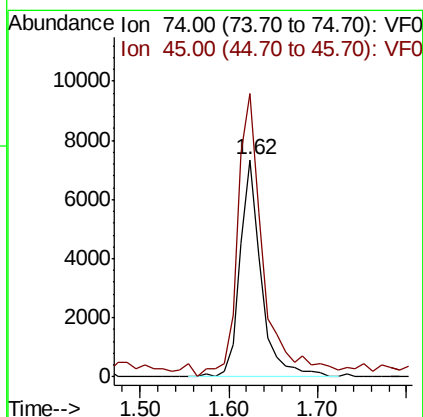
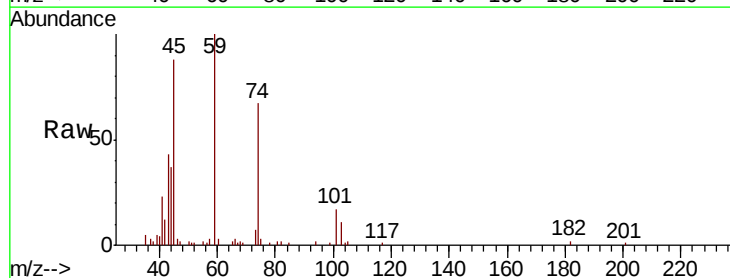
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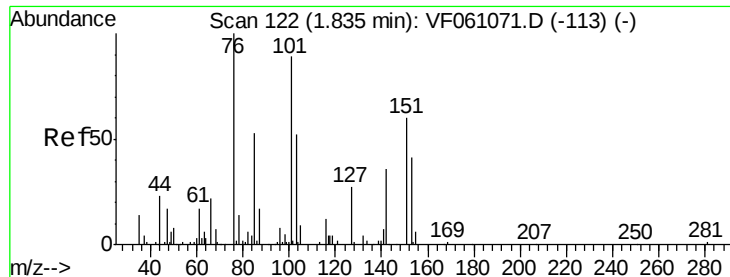


#8

Diethyl Ether
Concen: 19.876 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	130.2	67.8	203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.869 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

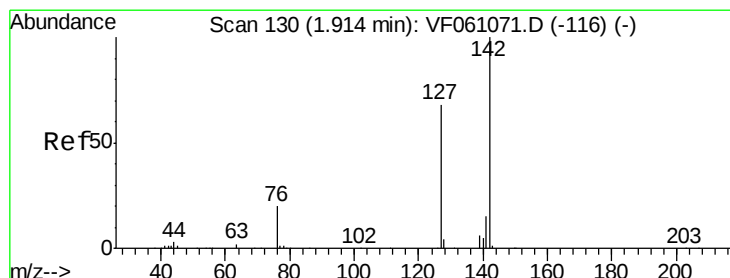
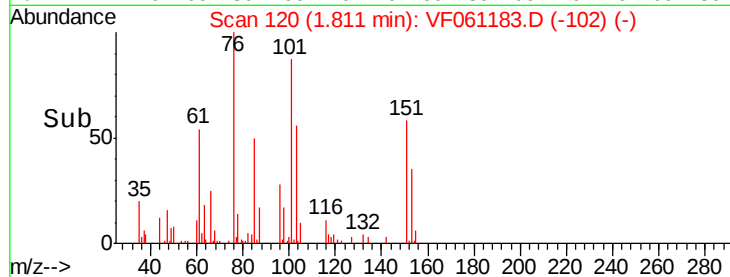
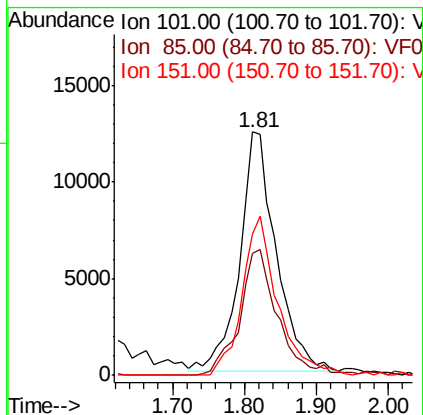
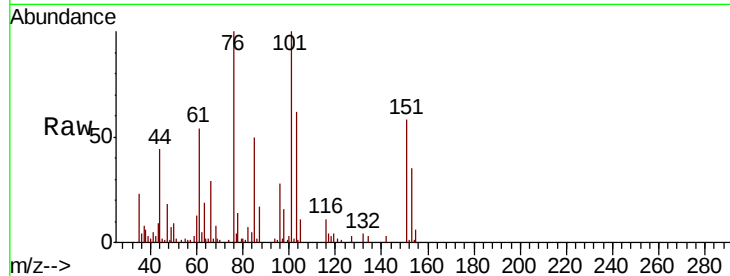
ClientSampleId :

VF1226SBS01

Tot Ion:	101	Resp:	43644
Ion Ratio	Lower	Upper	
101	100		
85	50.1	44.5	66.7
151	58.1	49.9	74.9

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#10

Methyl Iodide

Concen: 18.019 ug/l

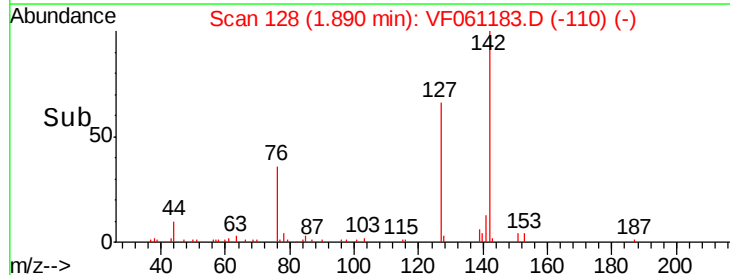
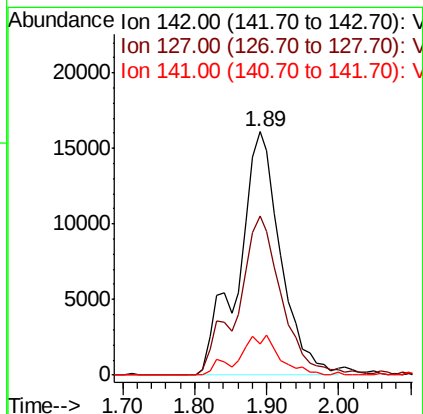
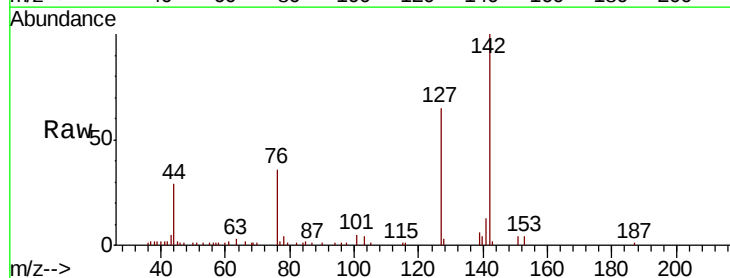
RT: 1.89 min Scan# 128

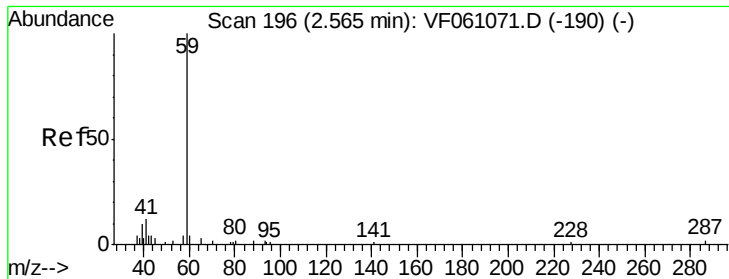
Delta R.T. -0.02 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Tgt Ion:	142	Resp:	65700
Ion Ratio	Lower	Upper	
142	100		
127	65.3	54.7	82.1
141	12.8	12.2	18.2





#11

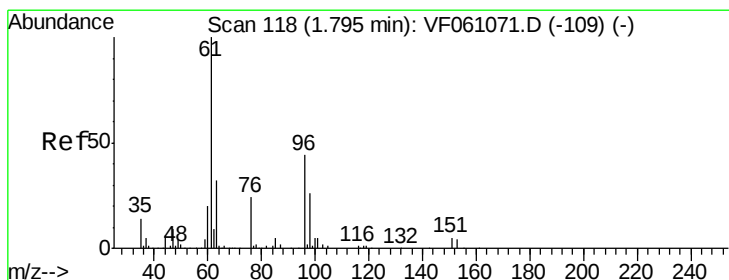
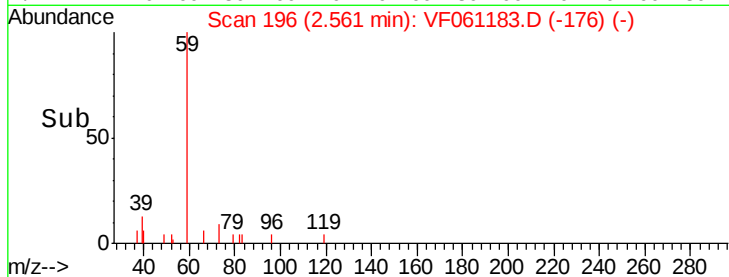
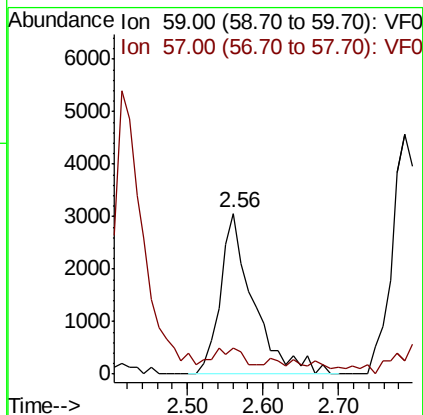
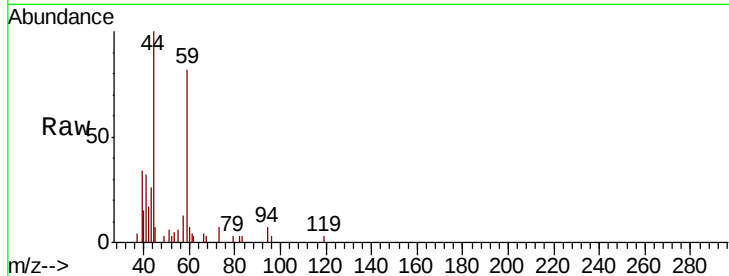
Tert butyl alcohol
Concen: 90.239 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.2	11.5	17.3

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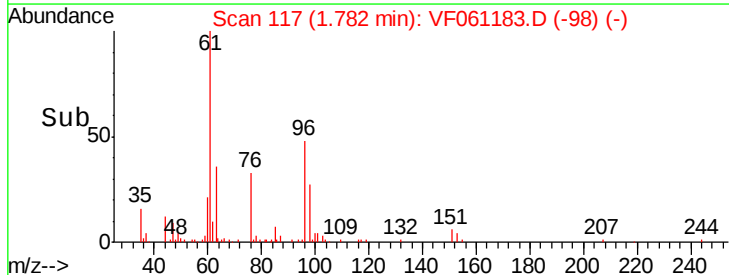
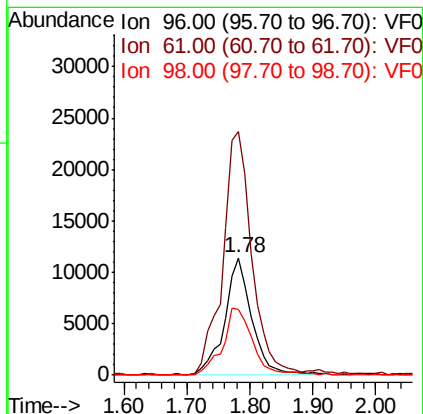
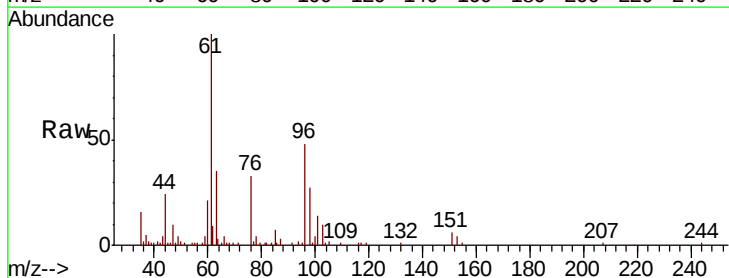
apatel
12/27/2018 4:18:55 PM

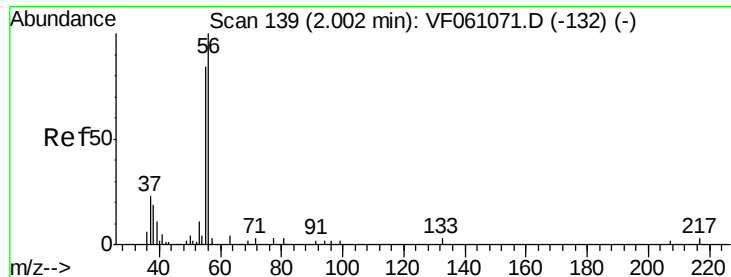


#12

1,1-Dichloroethene
Concen: 19.526 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	207.6	182.0	273.0
98	56.2	46.5	69.7





#13

Acrolein

Concen: 95.966 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 56 Resp: 7119

Ion Ratio Lower Upper

56 100

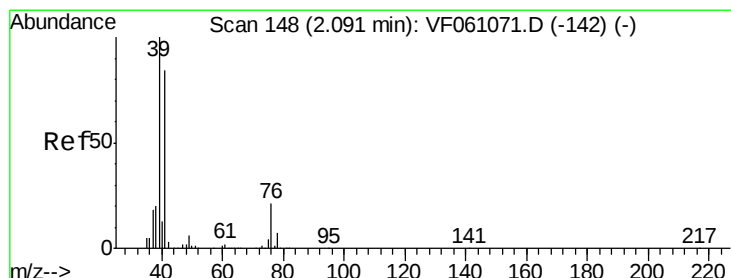
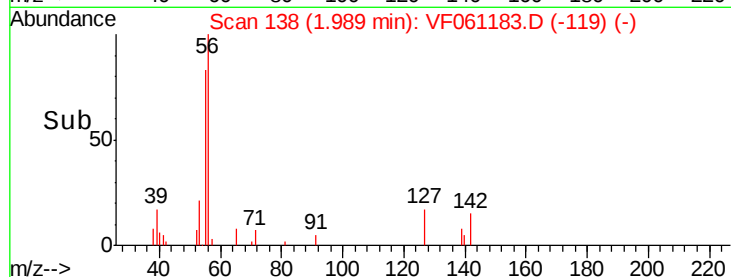
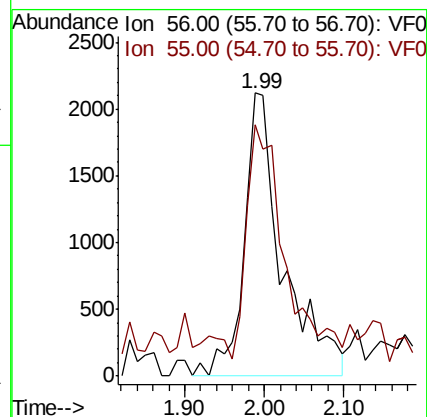
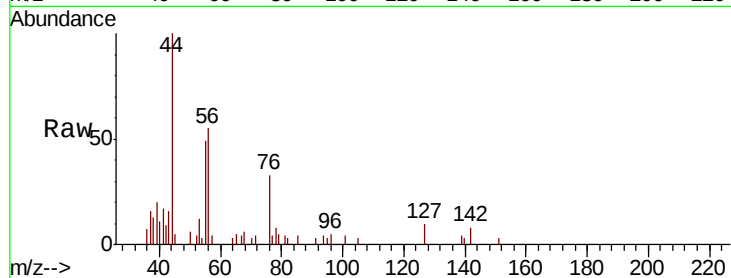
55 88.9 70.2 105.2

Manual Integrations

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#14

Allyl chloride

Concen: 23.460 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

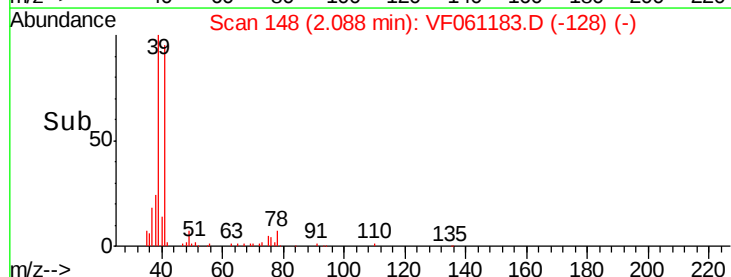
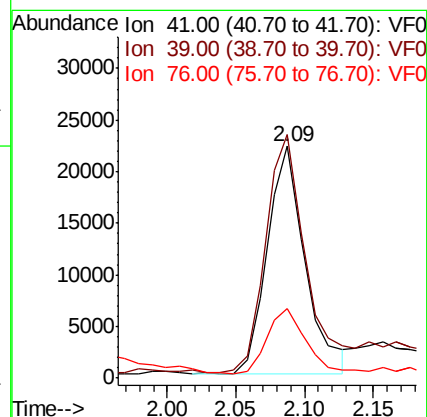
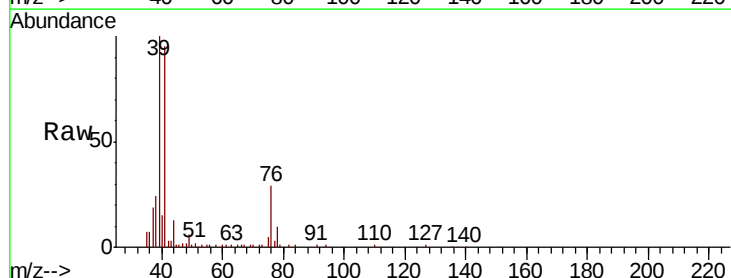
Tgt Ion: 41 Resp: 42568

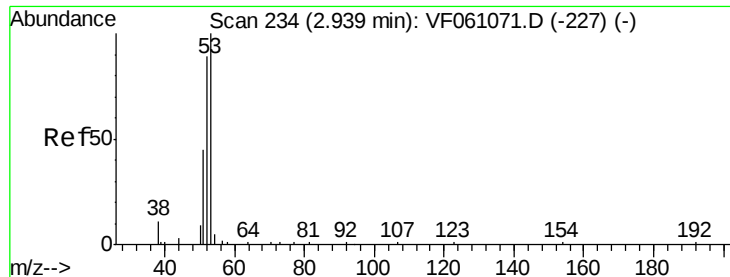
Ion Ratio Lower Upper

41 100

39 105.1 96.4 144.6

76 30.0 25.4 38.0





#15

Acrylonitrile

Concen: 102.097 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

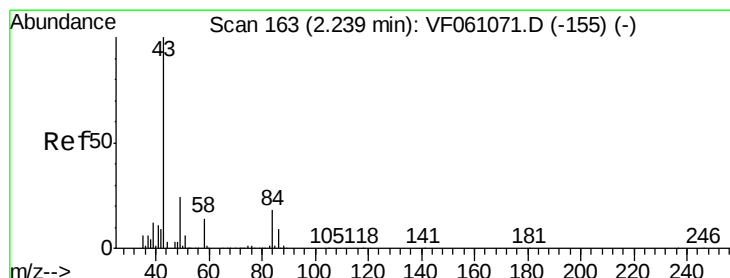
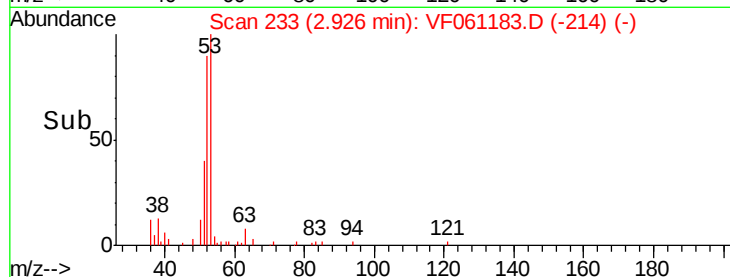
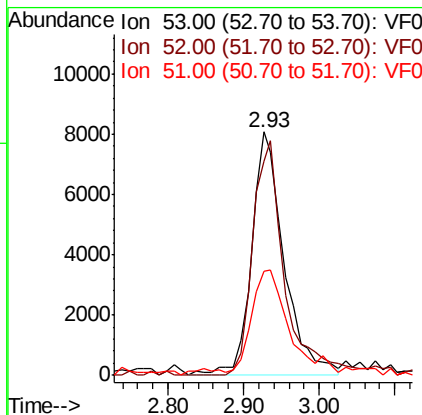
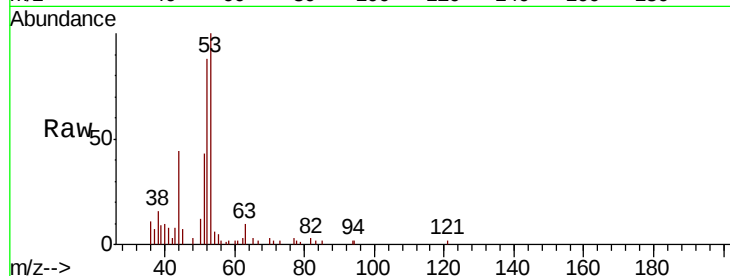
ClientSampleId :

VF1226SBS01

Tot Ion:	53	Resp:	24237
Ion	Ratio	Lower	Upper
53	100		
52	87.9	71.3	106.9
51	42.6	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 94.413 ug/l

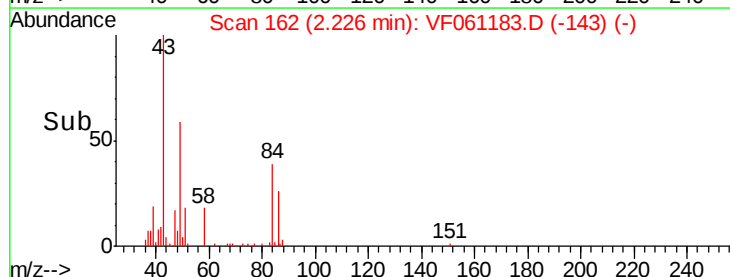
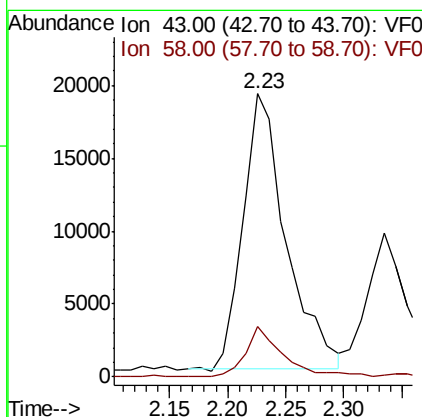
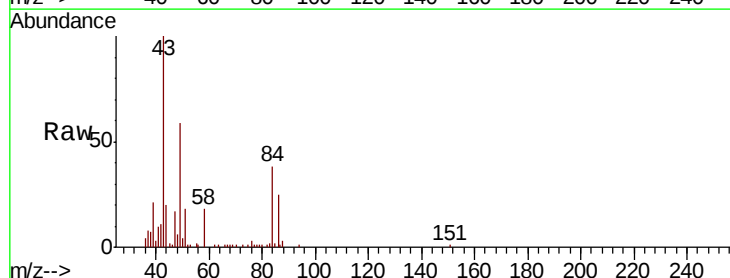
RT: 2.23 min Scan# 162

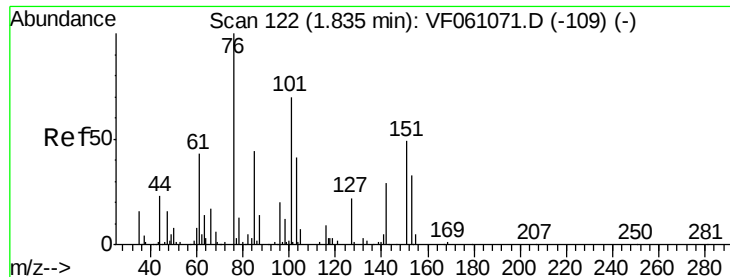
Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Tgt Ion:	43	Resp:	48016
Ion	Ratio	Lower	Upper
43	100		
58	17.9	11.1	16.7#





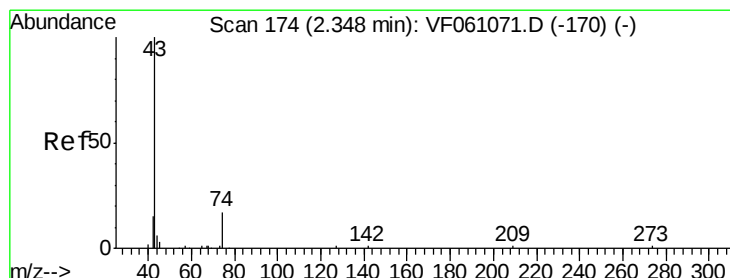
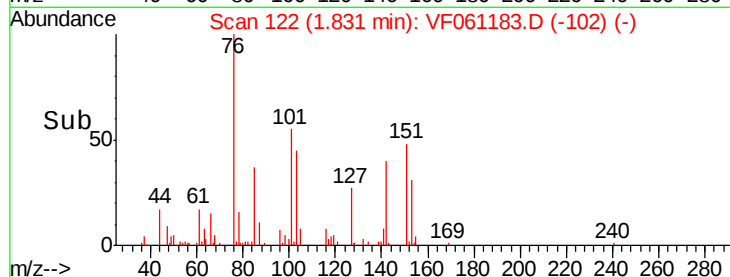
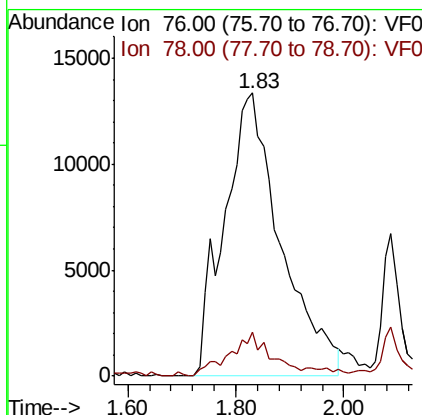
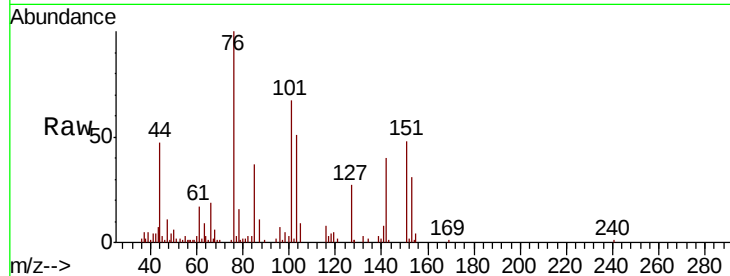
#17
Carbon Disulfide
Concen: 18.485 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion: 76 Resp: 97399
Ion Ratio Lower Upper
76 100
78 15.5 10.2 15.4#

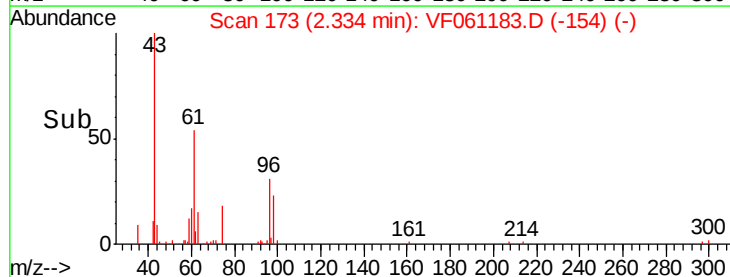
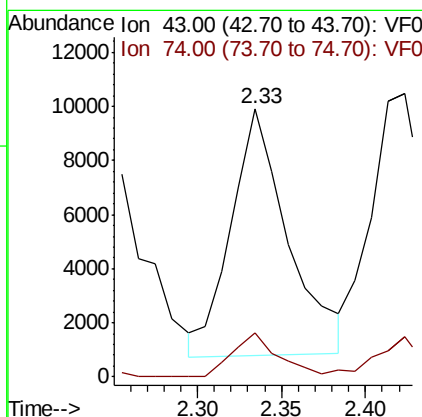
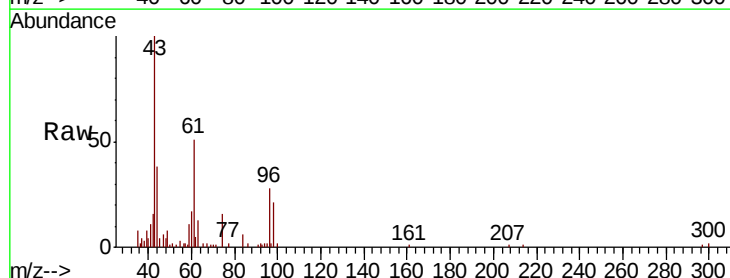
Manual Integrations
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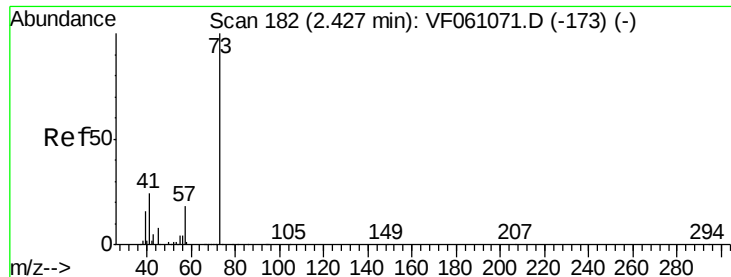
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#18
Methyl Acetate
Concen: 20.371 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion: 43 Resp: 21434
Ion Ratio Lower Upper
43 100
74 16.3 11.0 16.6





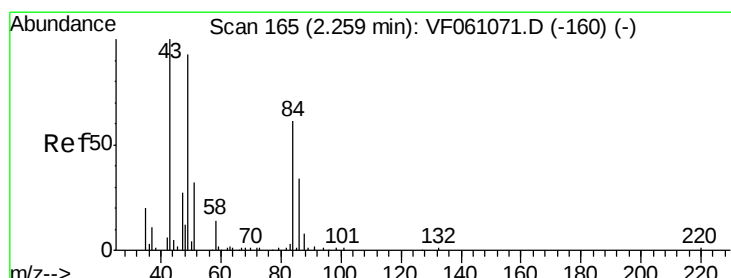
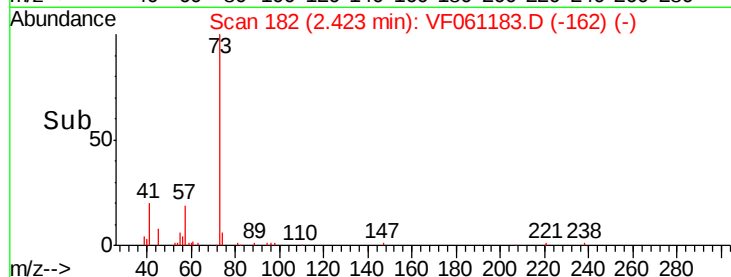
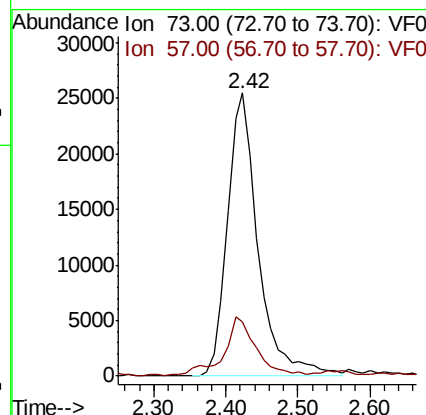
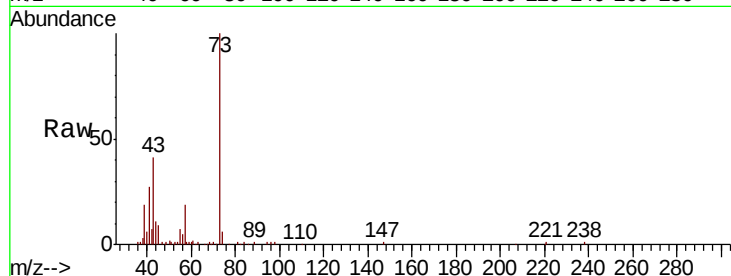
#19
Methvl tert-butvl Ether
Concen: 19.427 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion: 73 Resp: 75186
Ion Ratio Lower Upper
73 100
57 19.1 14.5 21.7

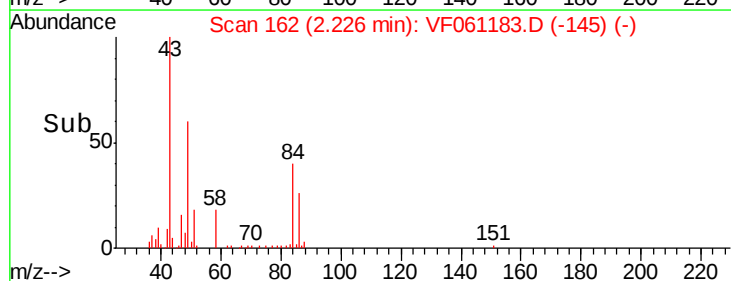
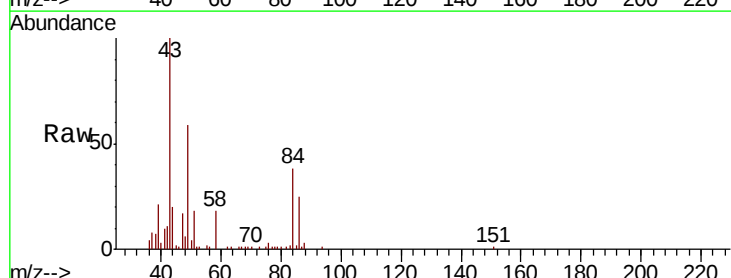
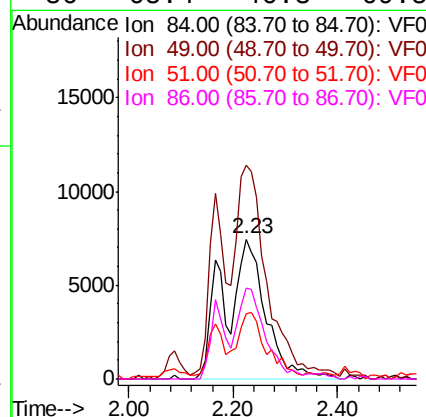
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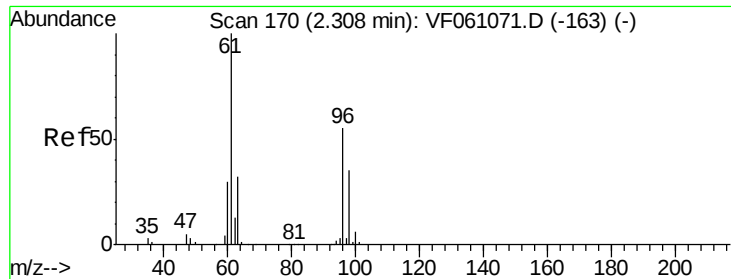
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#20
Methylene Chloride
Concen: 23.168 ug/l m
RT: 2.23 min Scan# 162
Delta R.T. -0.03 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion: 84 Resp: 41569
Ion Ratio Lower Upper
84 100
49 152.6 129.4 194.2
51 46.6 44.0 66.0
86 65.4 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 19.300 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

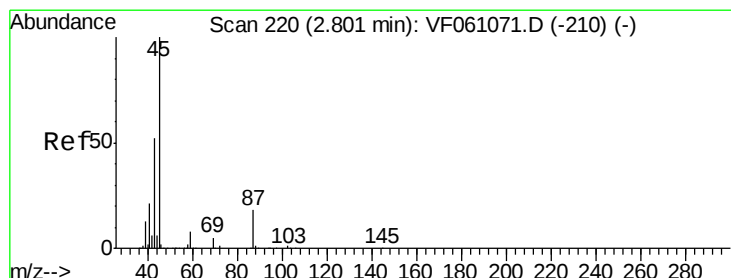
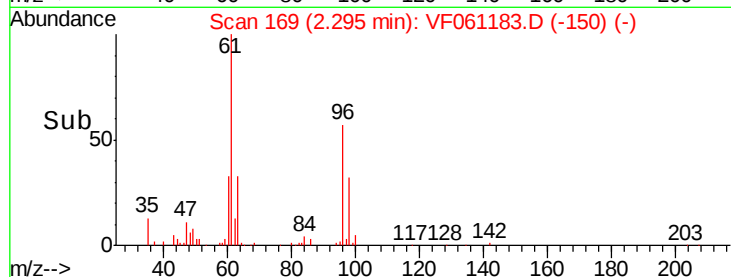
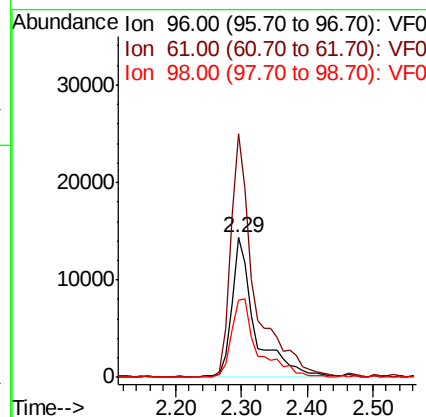
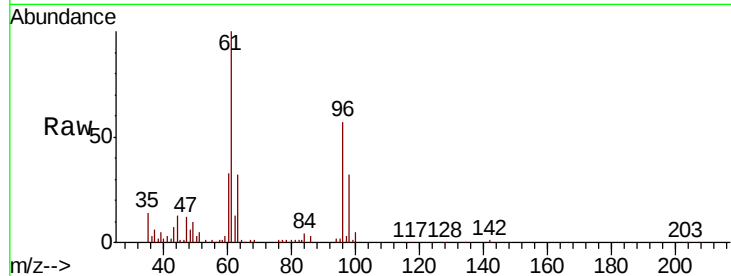
ClientSampleId :

VF1226SBS01

Tot Ion:	96	Resp:	35992
Ion	Ratio	Lower	Upper
96	100		
61	174.3	146.0	219.0
98	55.7	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.182 ug/l

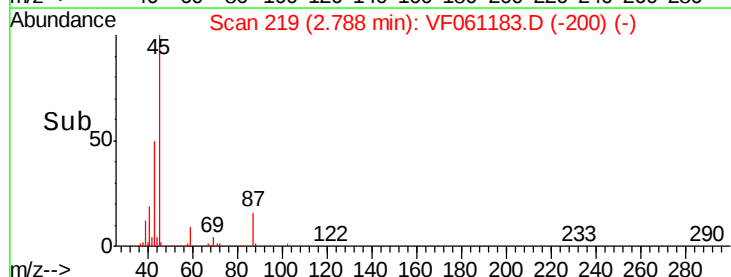
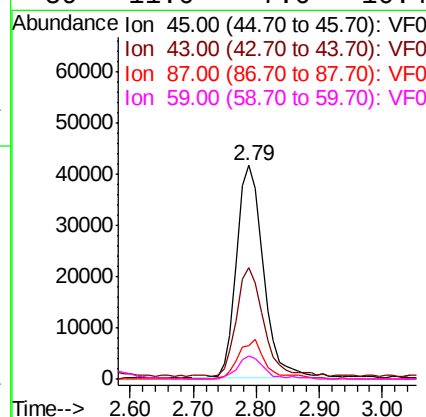
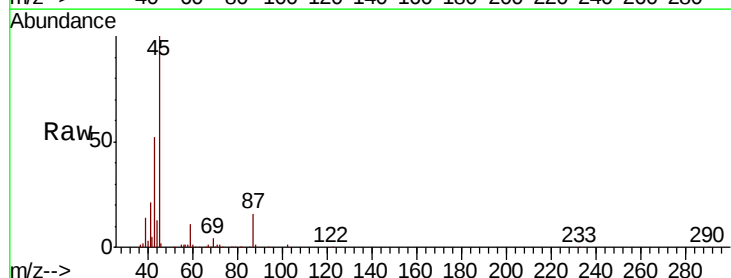
RT: 2.79 min Scan# 219

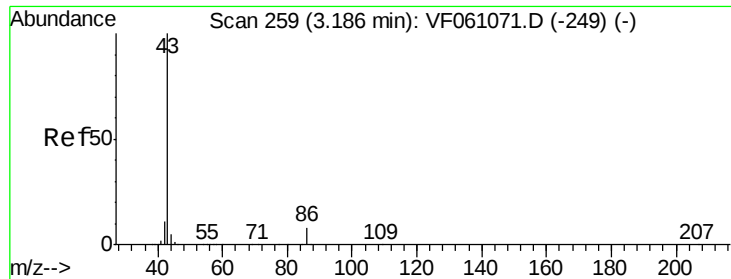
Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Tgt Ion:	45	Resp:	121983
Ion	Ratio	Lower	Upper
45	100		
43	52.3	42.2	63.2
87	15.8	14.6	22.0
59	11.0	7.0	10.4#





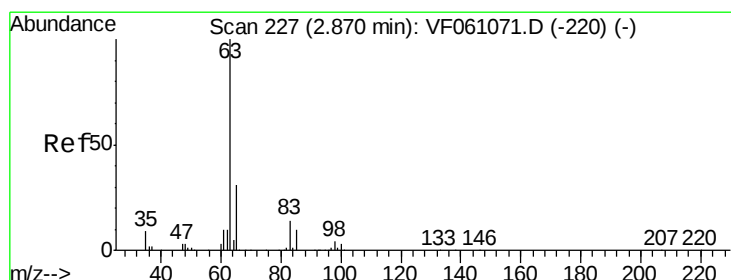
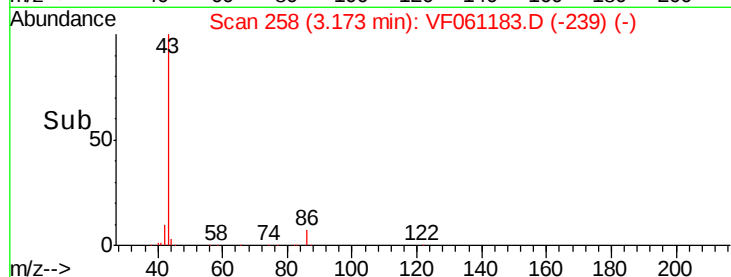
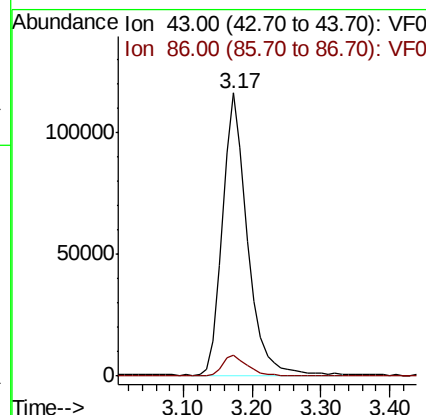
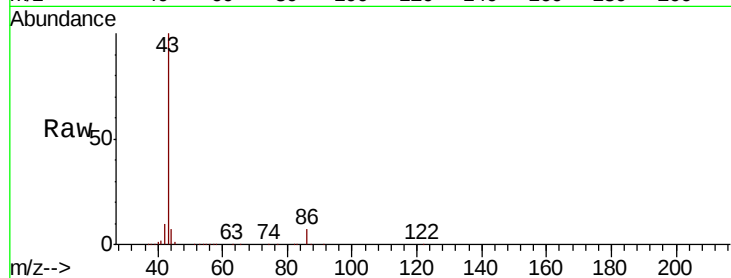
#23
 Vinyl Acetate
 Concen: 103.966 ug/l
 RT: 3.17 min Scan# 258
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	289885		
86	7.2	6.3	9.5	

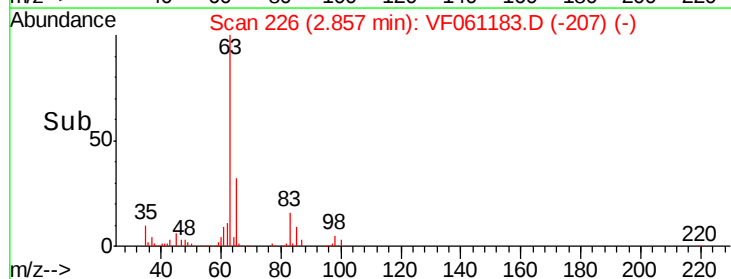
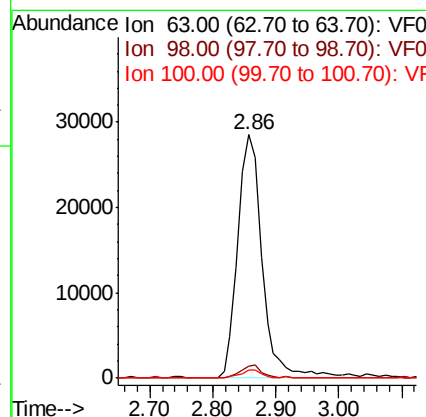
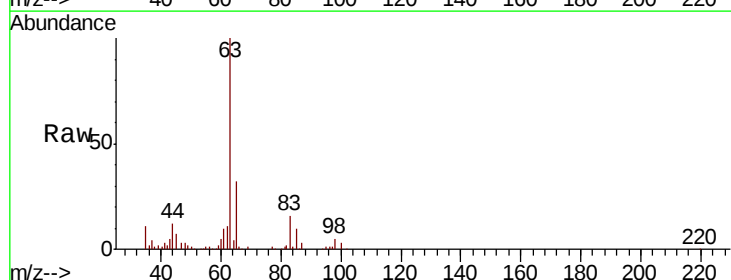
Manual Integrations
 APPROVED

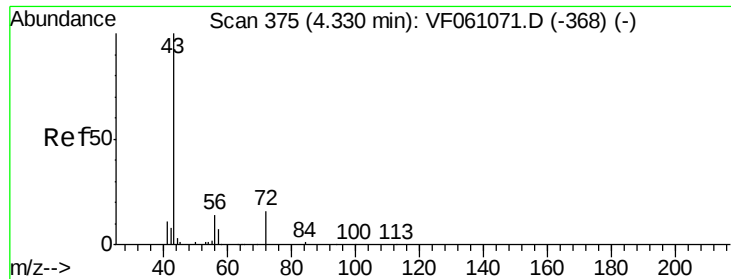
apatel
 12/27/2018 4:18:55 PM



#24
 1,1-Dichloroethane
 Concen: 21.464 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	76864		
98	4.9	2.1	6.5	
100	3.3	1.7	5.1	





#25

2-Butanone

Concen: 104.182 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 43 Resp: 85931

Ion Ratio Lower Upper

43 100

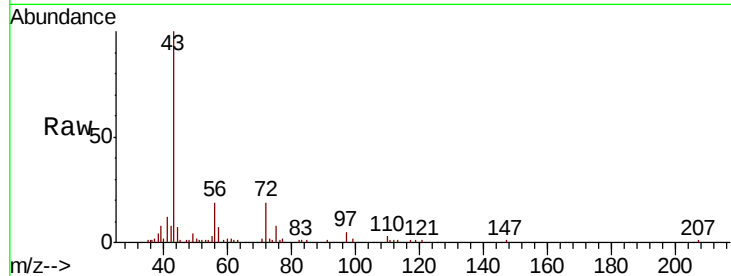
72 18.9 15.6 23.4

Manual Integrations

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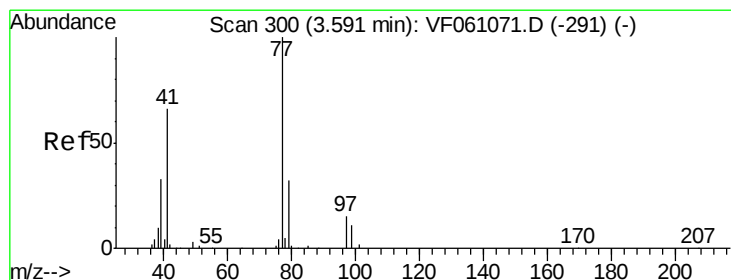
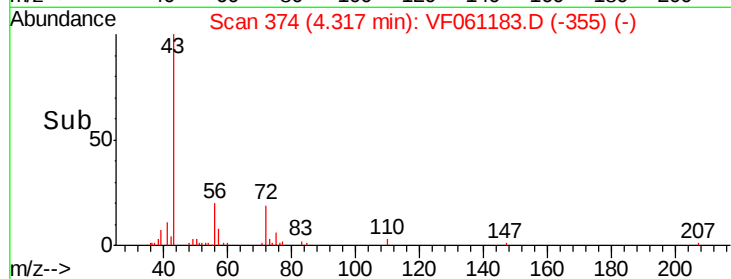
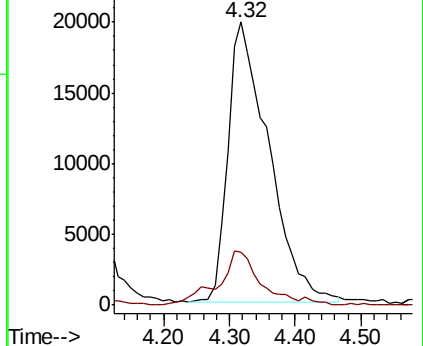
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 22.353 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061183.D

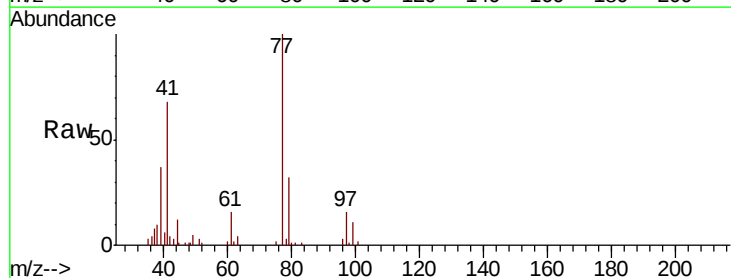
Acq: 26 Dec 2018 12:44

Tgt Ion: 77 Resp: 45937

Ion Ratio Lower Upper

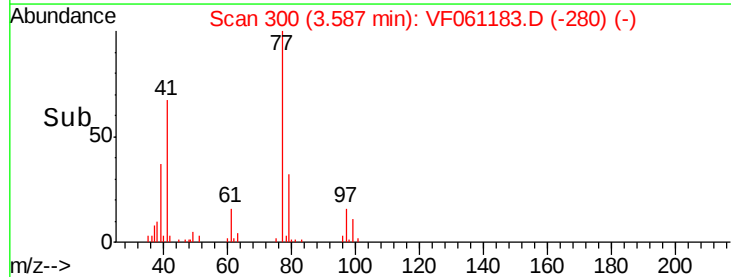
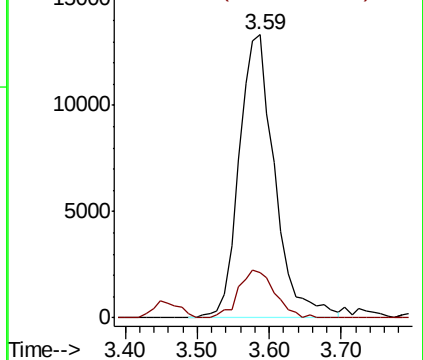
77 100

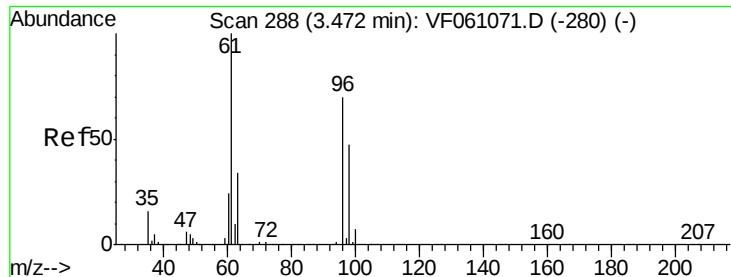
97 15.8 8.2 24.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

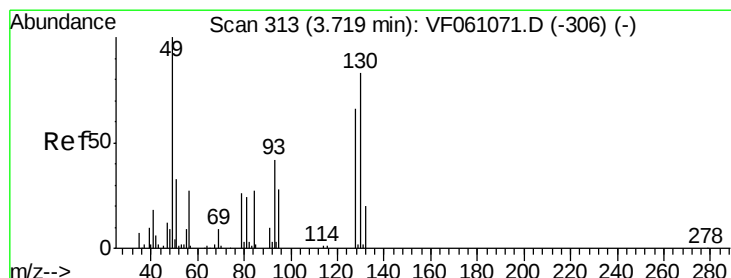
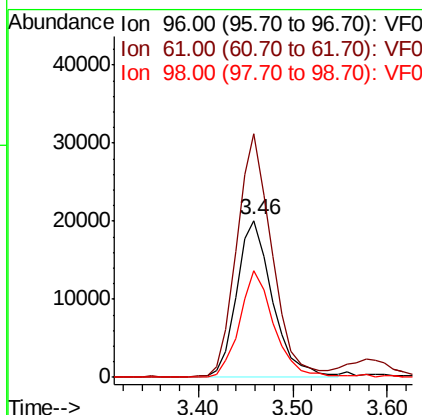
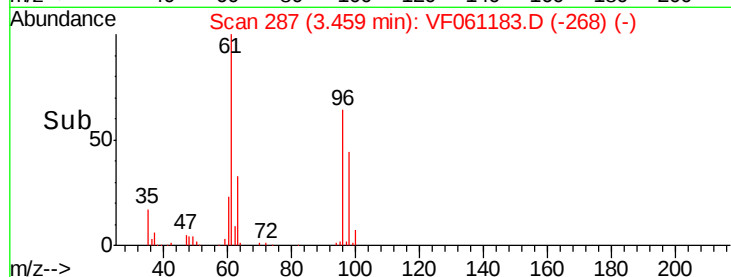
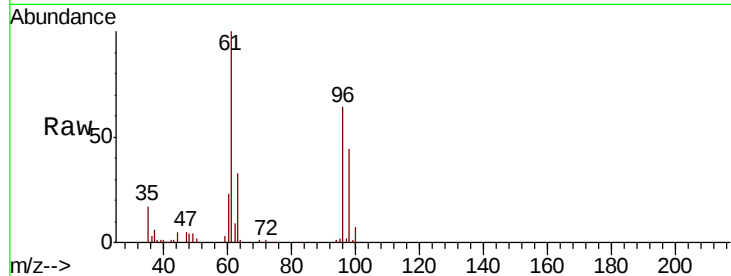
cis-1,2-Dichloroethene
Concen: 18.573 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	53024		
61	155.5		0.0	287.8
98	68.2		0.0	134.2

Manual Integrations
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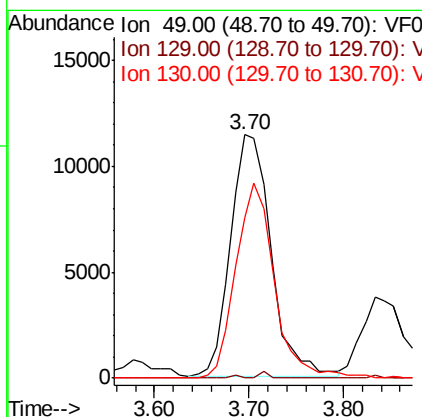
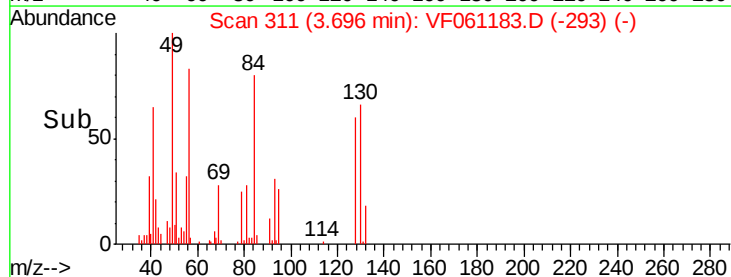
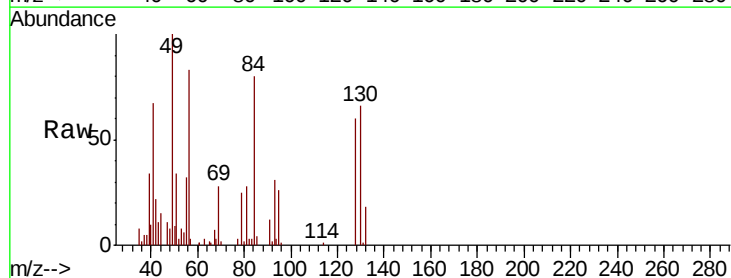
apatel
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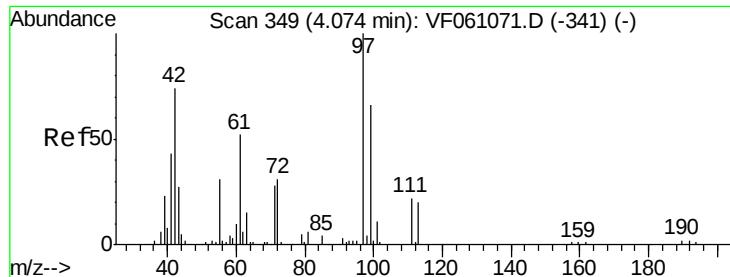


#28

Bromochloromethane
Concen: 18.527 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	33664		
129	0.0		0.0	3.6
130	65.8		65.8	98.6





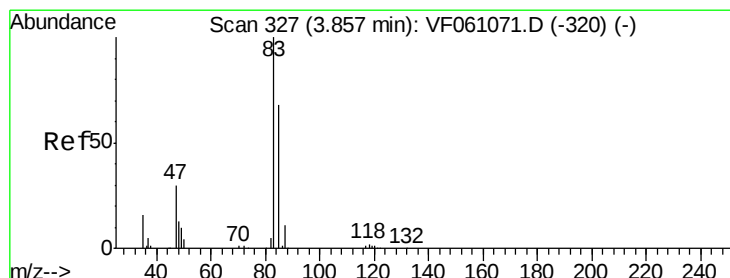
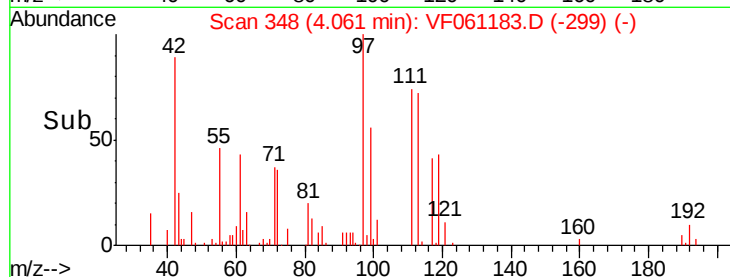
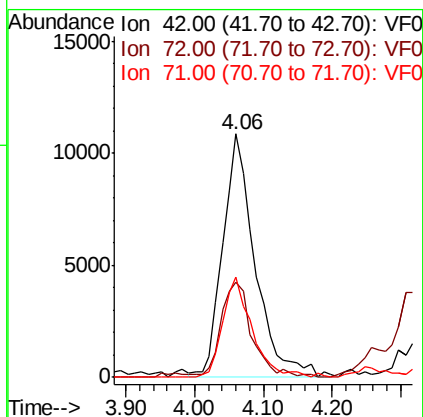
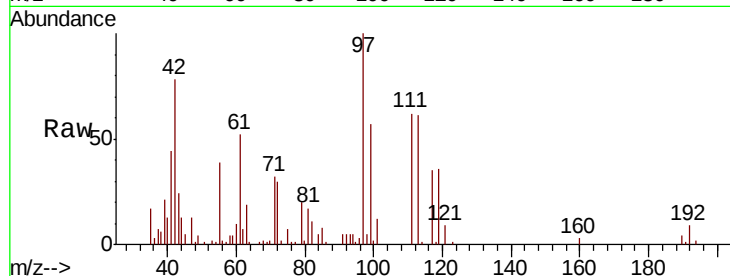
#29
Tetrahydrofuran
Concen: 105.512 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	31.8	47.8
71	36.9	29.7	44.5

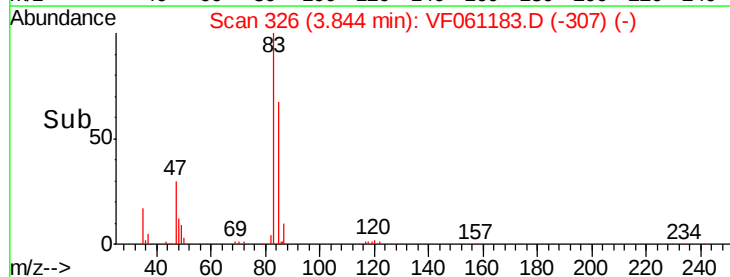
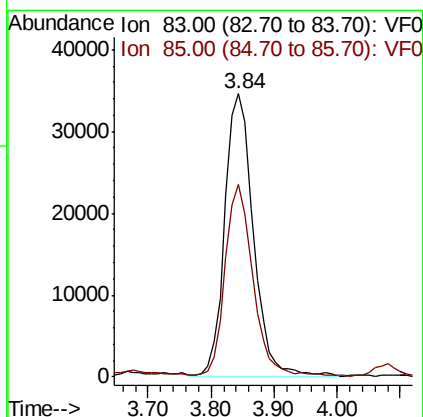
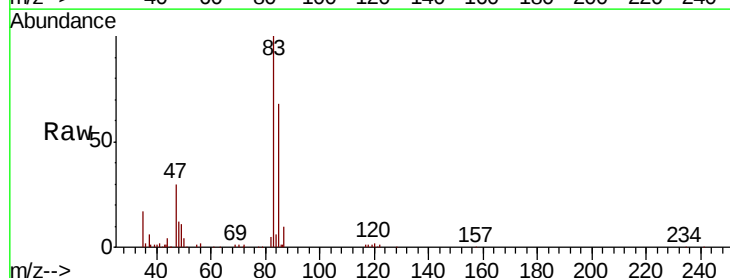
Manual Integrations
APPROVED

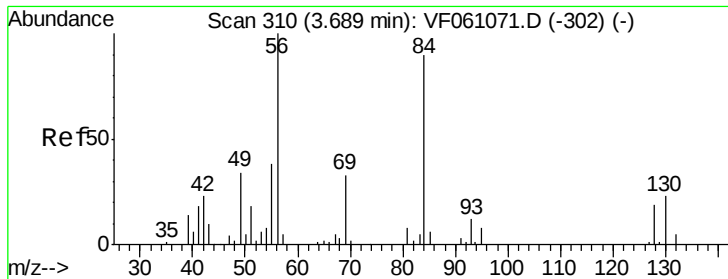
apatel
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#30
Chloroform
Concen: 20.416 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	54.5	81.7





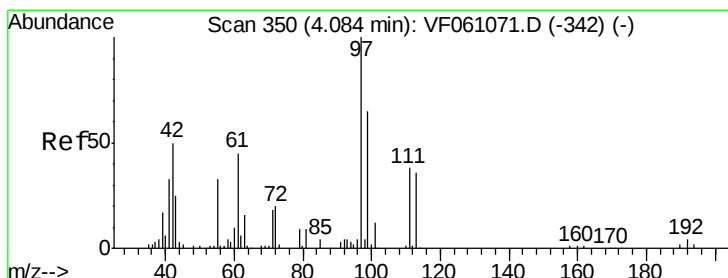
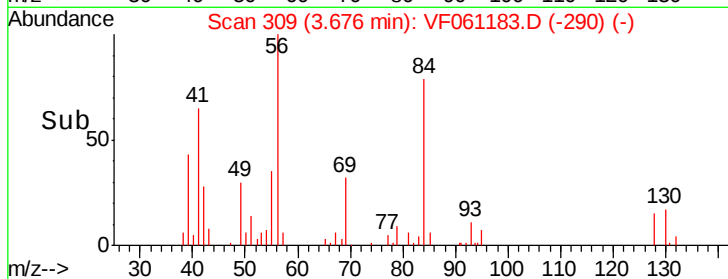
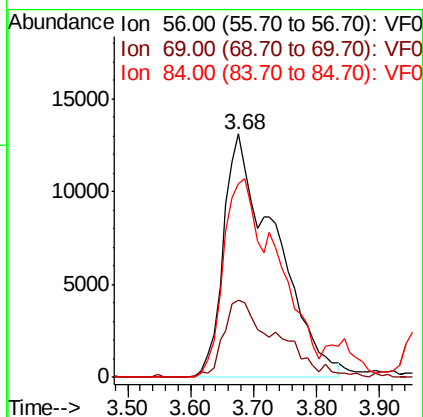
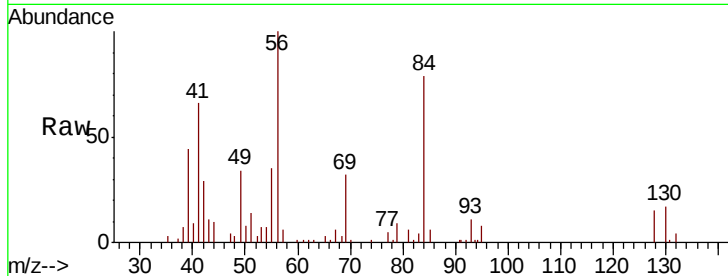
#31
Cyclohexane
Concen: 20.204 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	26.0	39.0
84	79.4	71.4	107.2

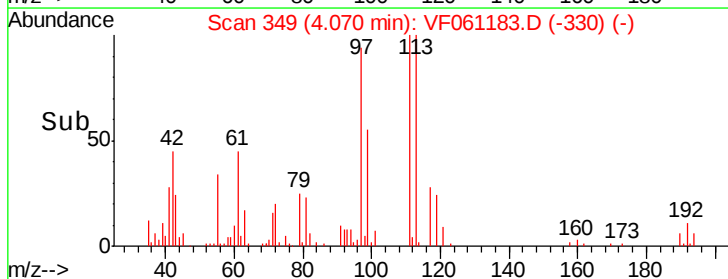
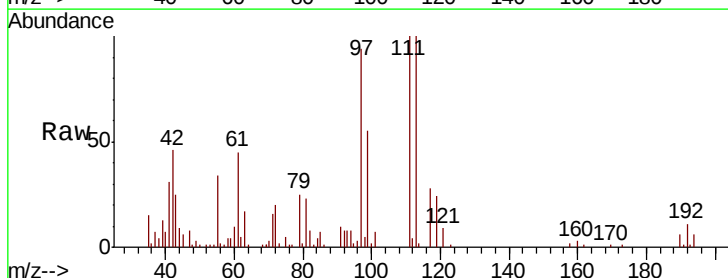
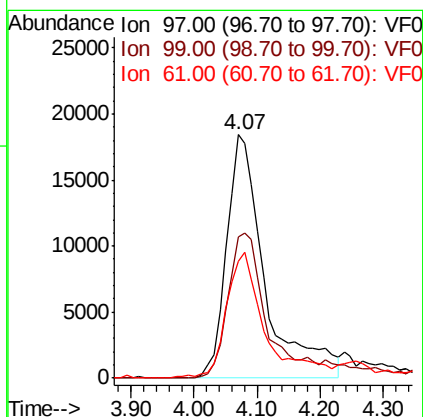
Manual Integrations
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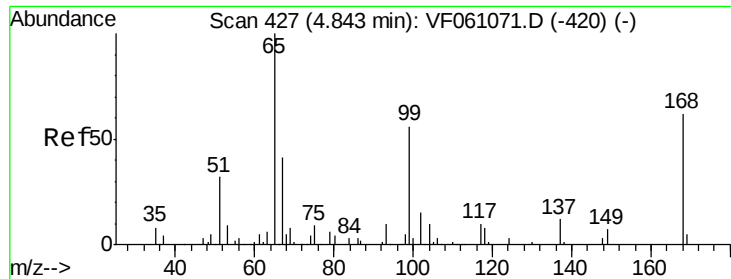
apatel
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#32
1,1,1-Trichloroethane
Concen: 24.336 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	58.1	51.6	77.4
61	47.9	36.2	54.2





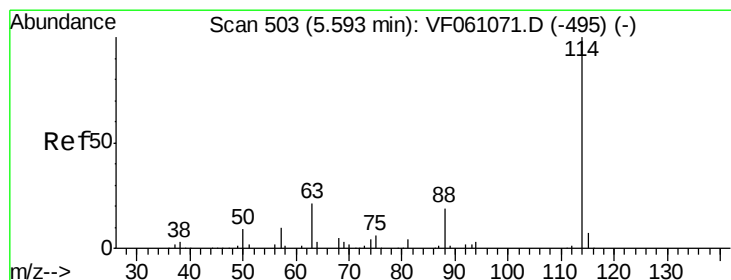
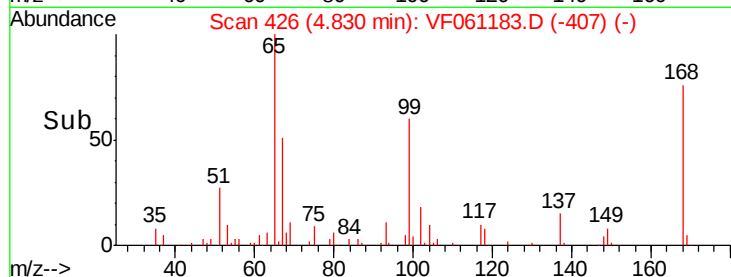
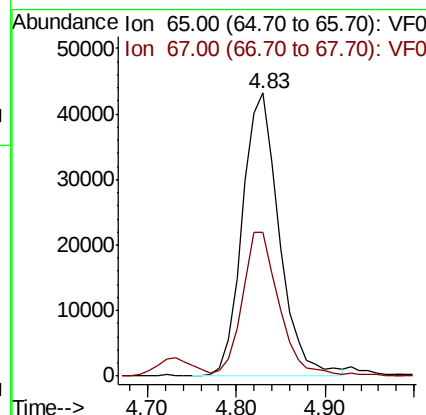
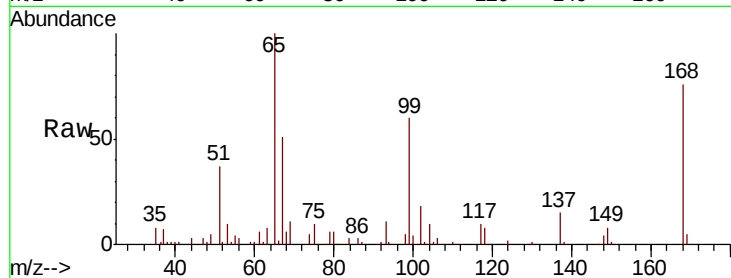
#33
 1,2-Dichloroethane-d4
 Concen: 48.802 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	124154		
67	50.8	0.0	94.6	

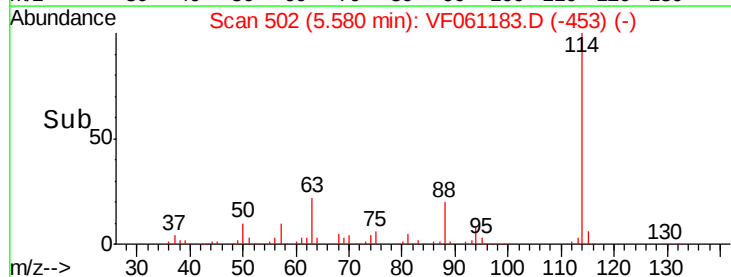
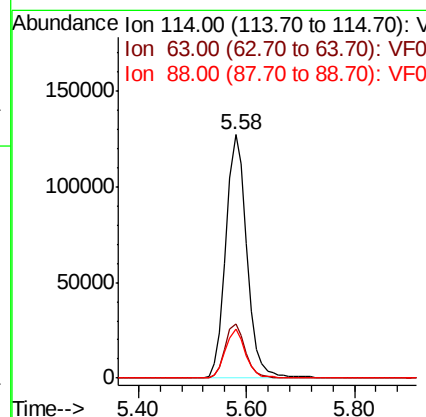
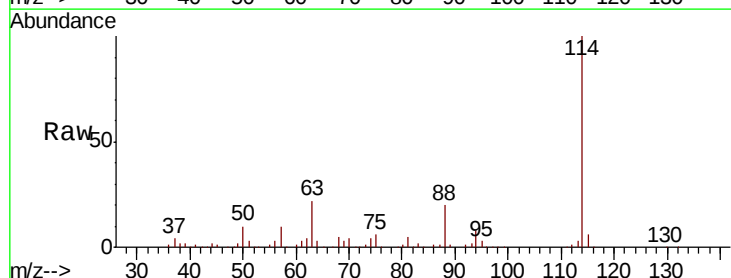
Manual Integrations
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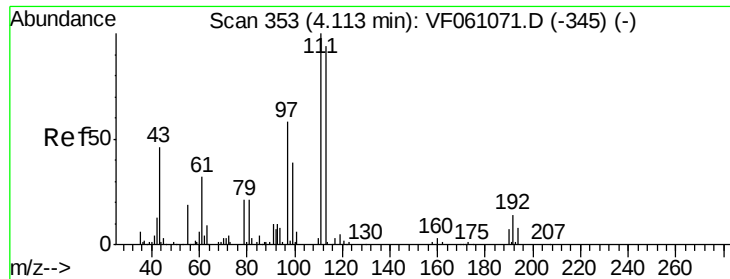
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	343960		
63	22.1	0.0	41.6	
88	20.0	0.0	38.0	





#35

Dibromofluoromethane

Concen: 47.706 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

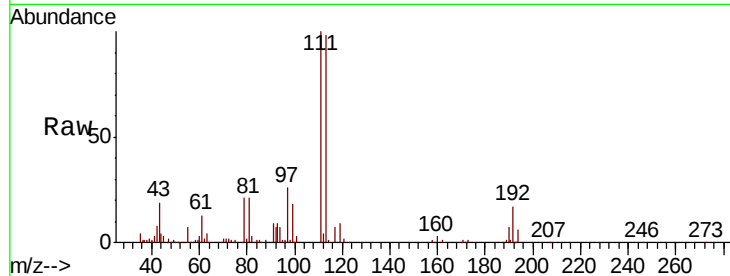
ClientSampleId :

VF1226SBS01

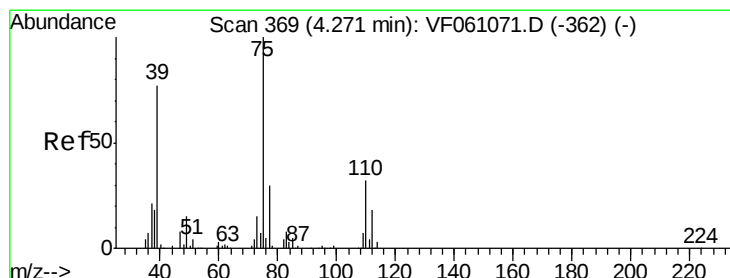
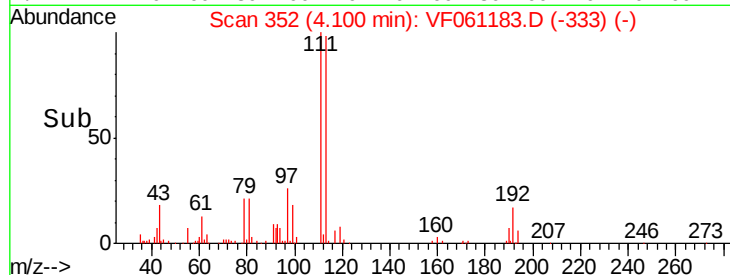
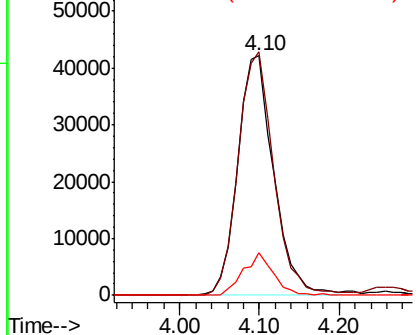
Tot Ion:	113	Resp:	131446
Ion Ratio	Lower	Upper	
113	100		
111	101.7	85.2	127.8
192	17.9	12.8	19.2

Manual Integrations
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Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.531 ug/l

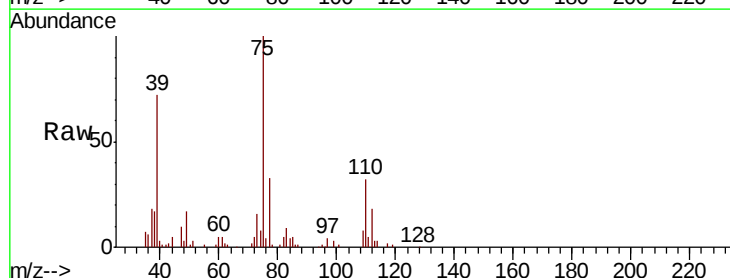
RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

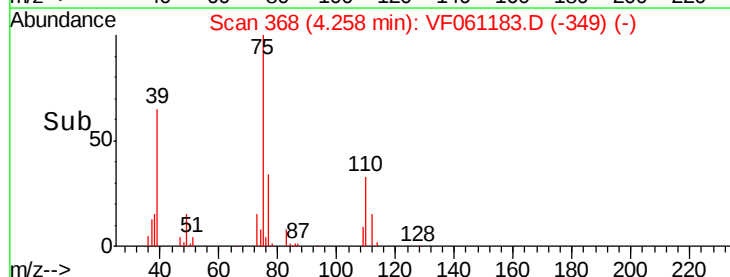
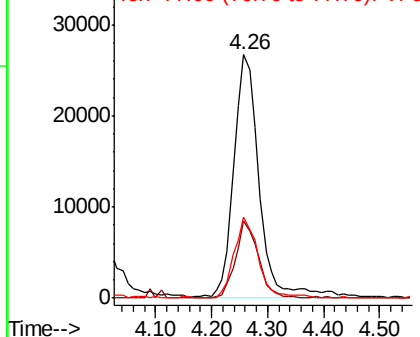
Lab File: VF061183.D

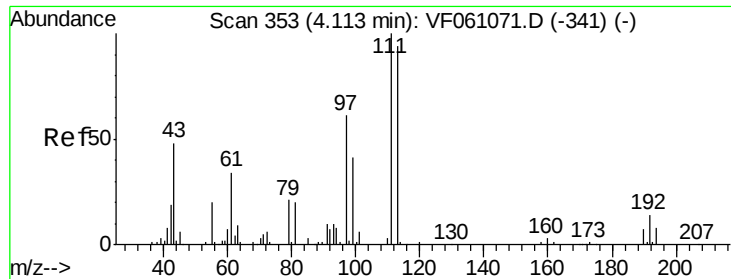
Acq: 26 Dec 2018 12:44

Tgt Ion:	75	Resp:	85243
Ion Ratio	Lower	Upper	
75	100		
110	31.8	16.1	48.2
77	33.4	24.5	36.7



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 17.347 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

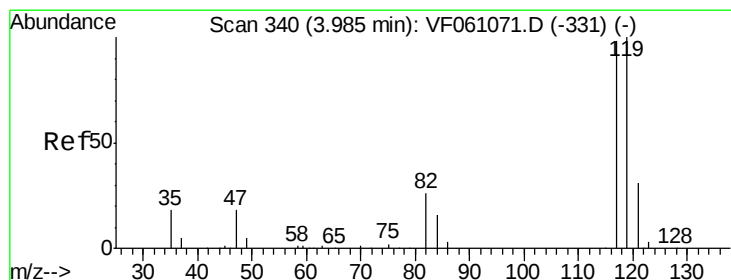
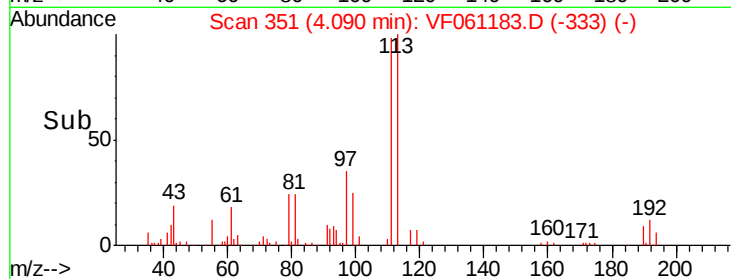
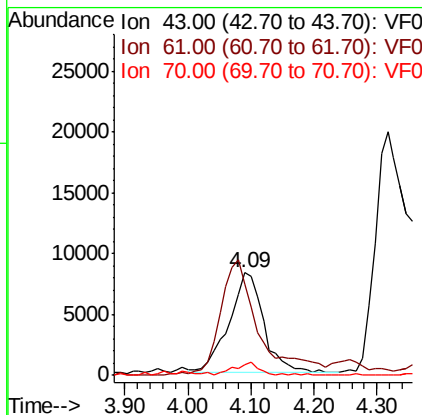
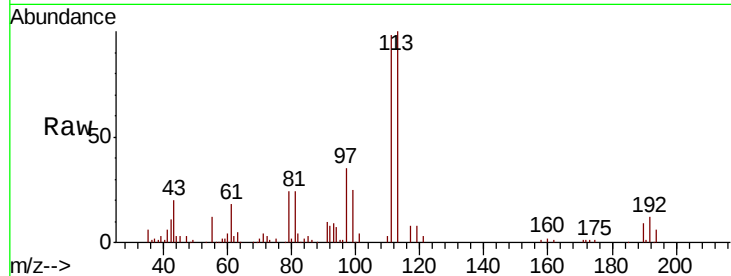
ClientSampleID :

VF1226SBSD01

Tot Ion:	43	Resp:	31357
Ion Ratio	Lower	Upper	
43	100		
61	89.3	56.6	84.8#
70	10.0	6.3	9.5#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.314 ug/l

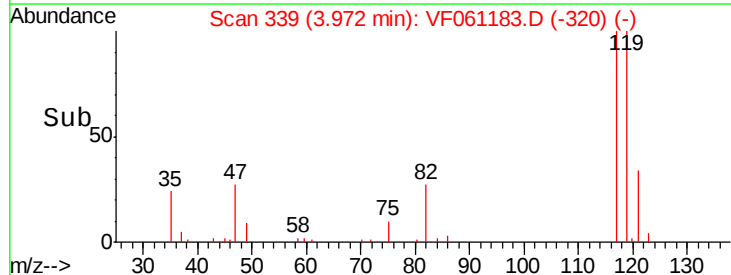
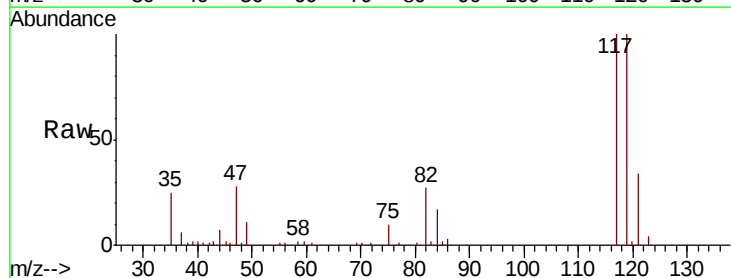
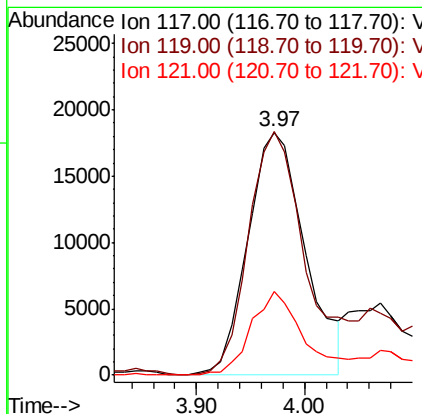
RT: 3.97 min Scan# 339

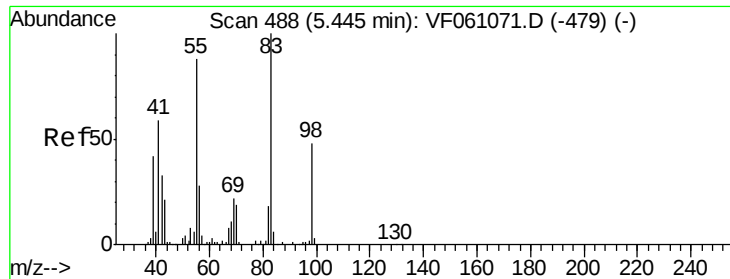
Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Tgt Ion:	117	Resp:	67391
Ion Ratio	Lower	Upper	
117	100		
119	100.3	82.1	123.1
121	34.4	25.5	38.3





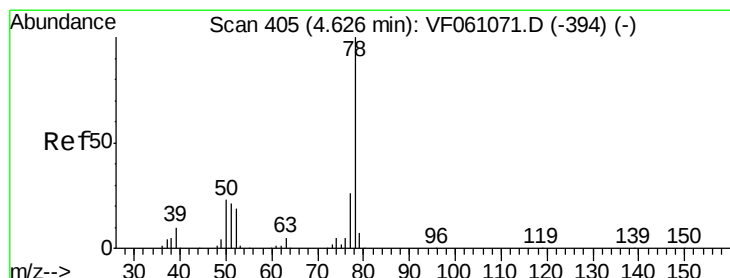
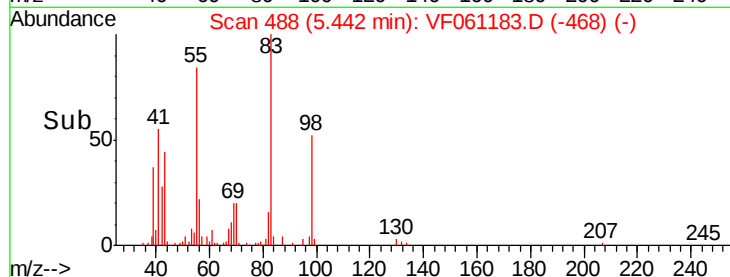
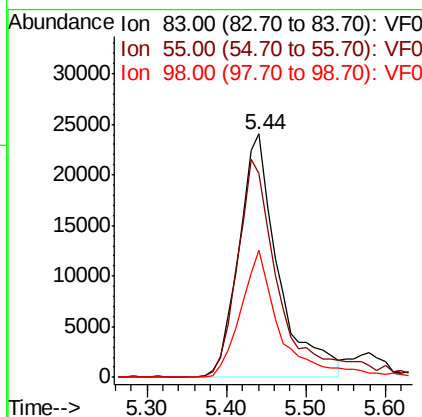
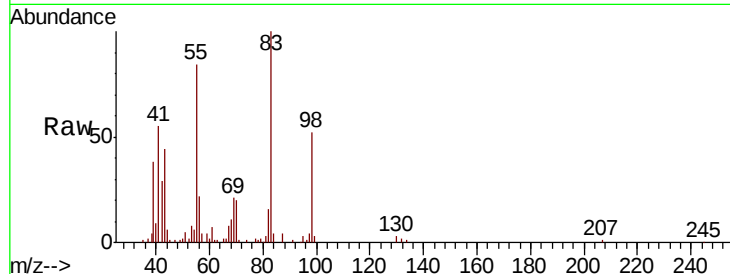
#39
Methvlcvclohexane
Concen: 22.104 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.8	70.6	105.8
98	52.1	38.5	57.7

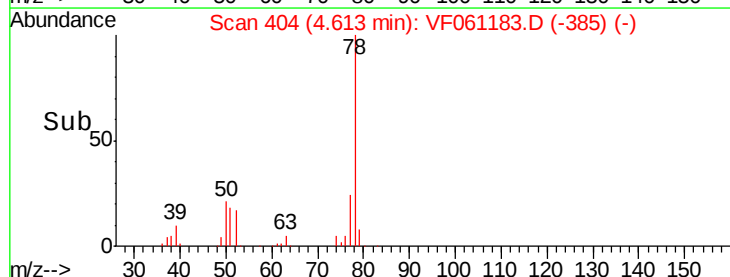
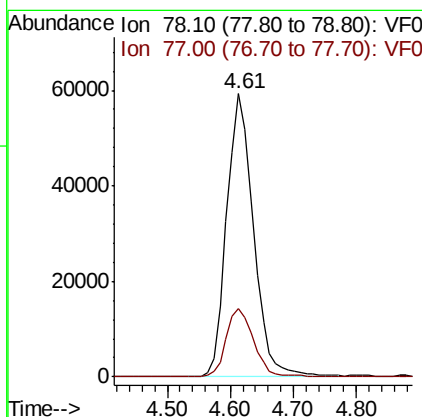
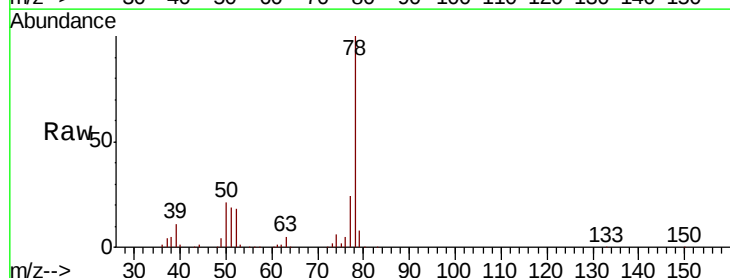
Manual Integrations
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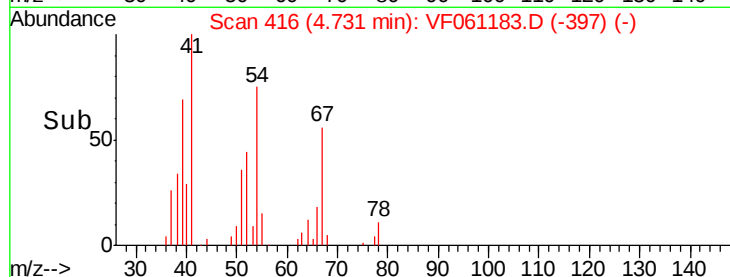
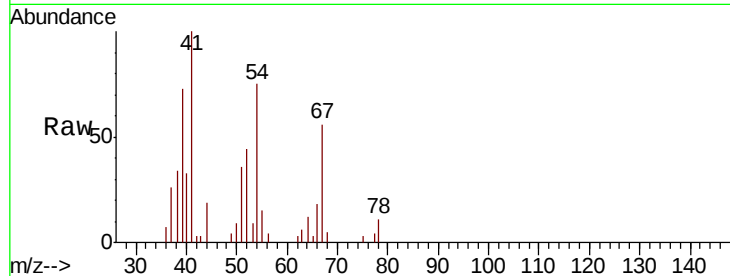
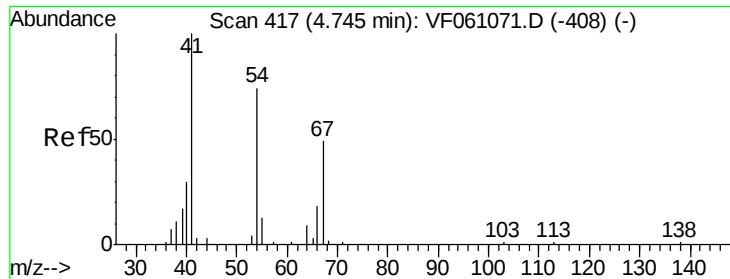
apatel
12/27/2018 4:18:55 PM



#40
Benzene
Concen: 19.591 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	20.7	31.1





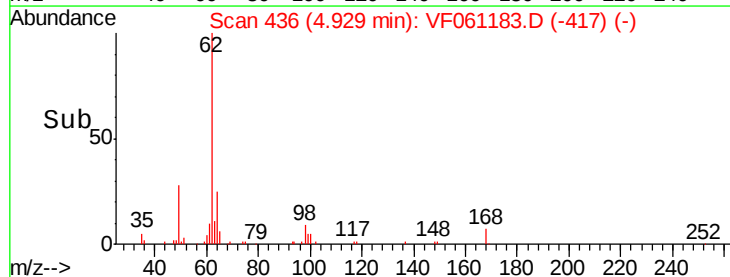
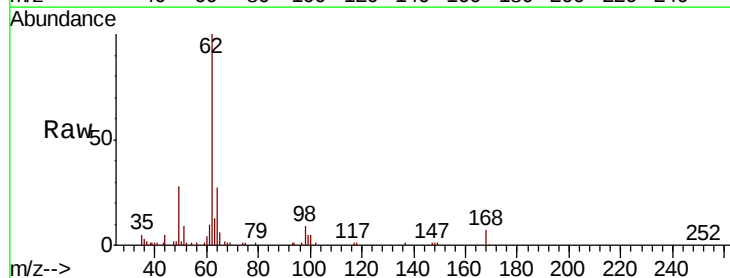
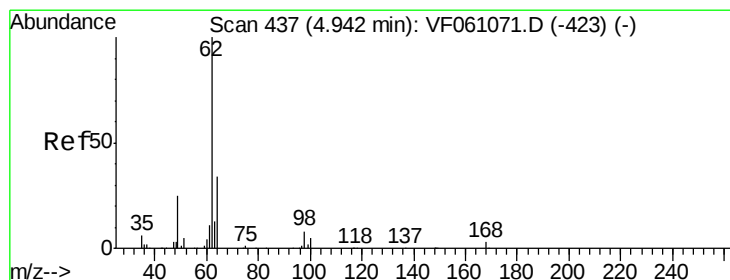
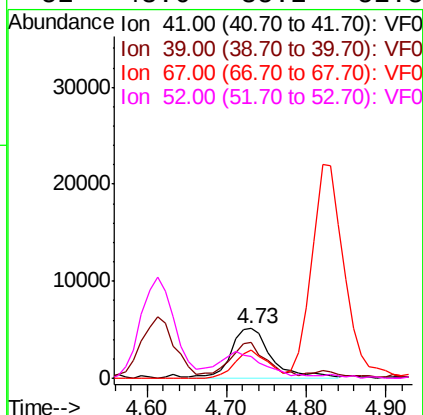
#41
Methacrylonitrile
Concen: 20.776 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.3	45.7	68.5#
67	56.0	38.9	58.3
52	43.6	35.2	52.8

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBSD01

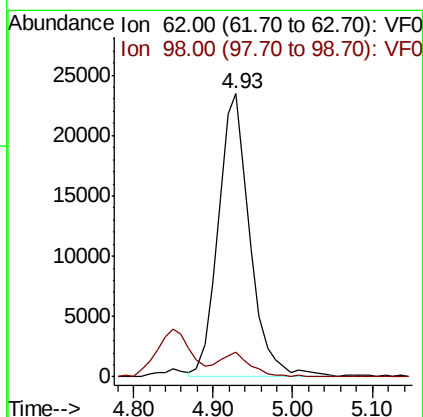
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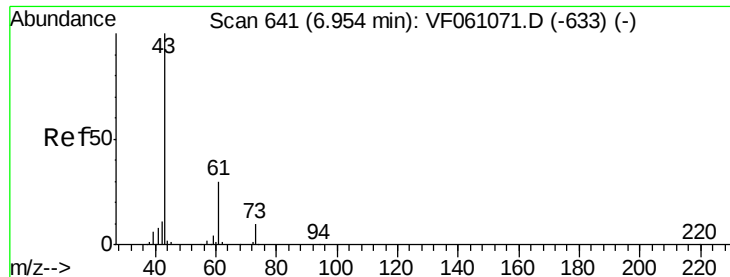
apatel
12/27/2018 4:18:55 PM



#42
1,2-Dichloroethane
Concen: 19.323 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6





#43

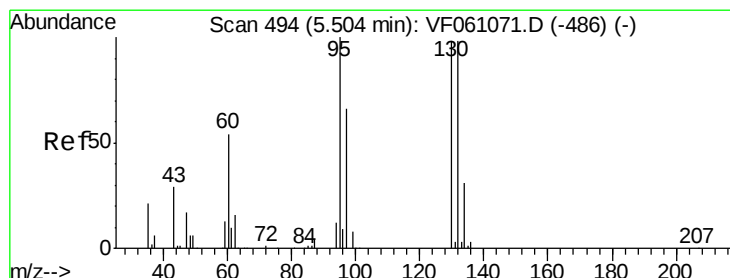
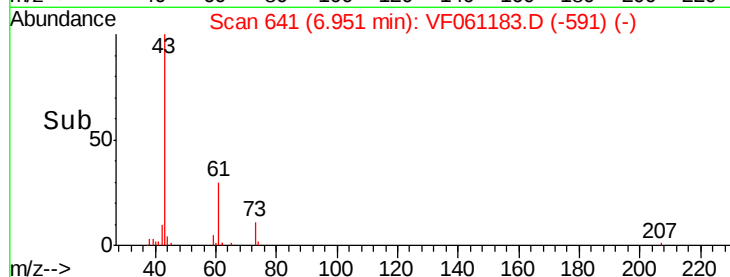
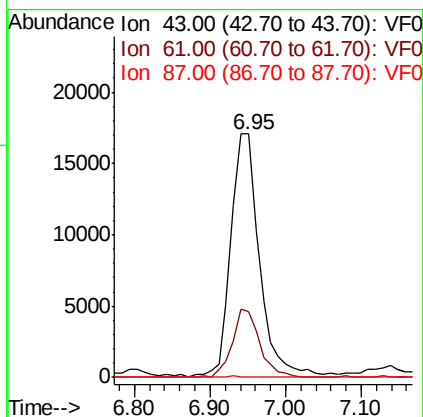
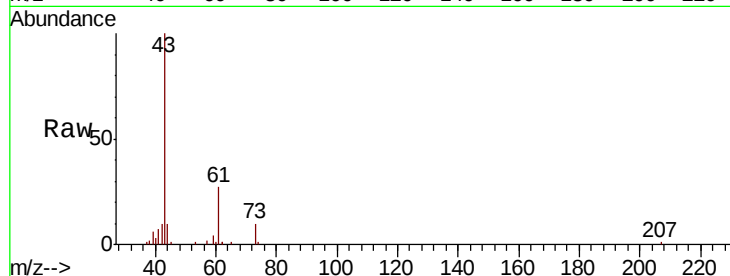
Isopropyl Acetate
 Concen: 22.569 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	23.8	35.8
87	0.0	0.0	0.0

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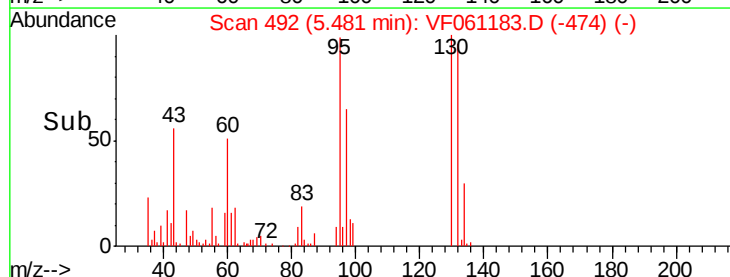
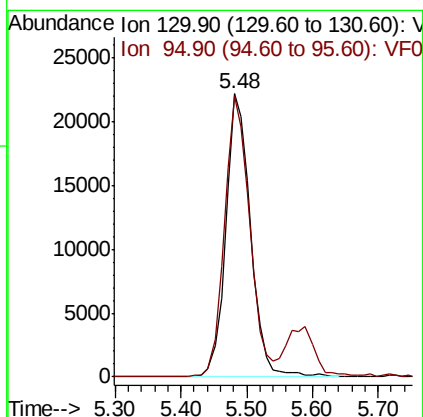
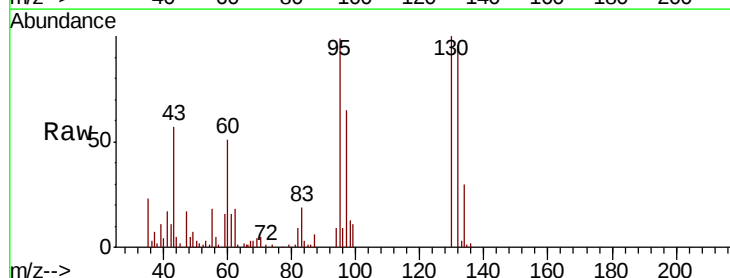
apatel
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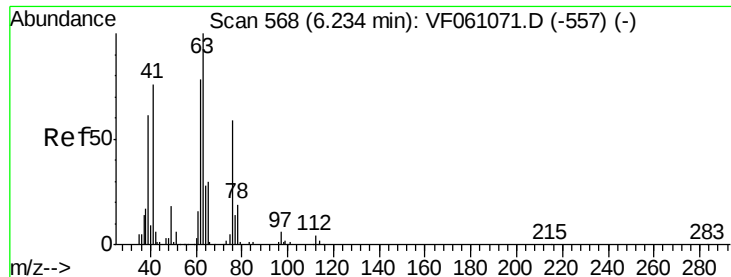


#44

Trichloroethene
 Concen: 20.732 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	205.2





#45

1,2-Dichloropropane

Concen: 20.531 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 63 Resp: 49872

Ion Ratio Lower Upper

63 100

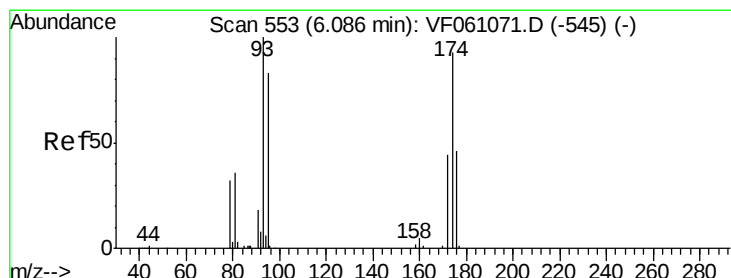
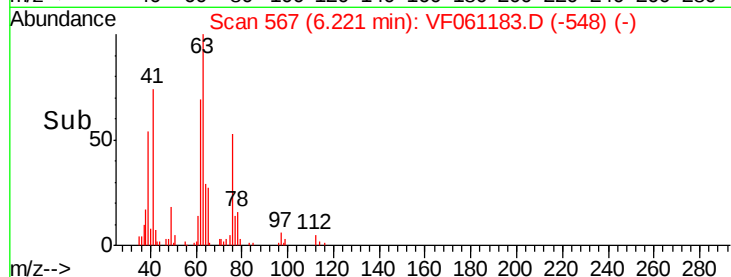
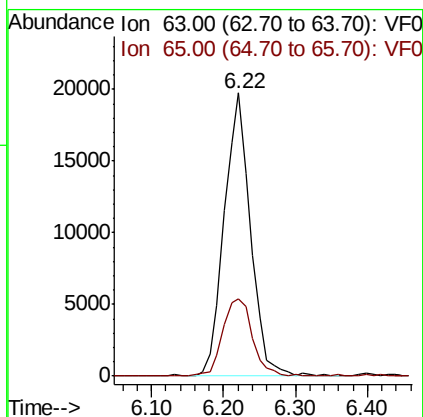
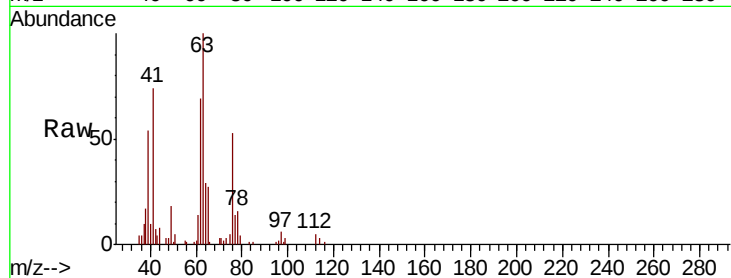
65 27.2 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 19.351 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

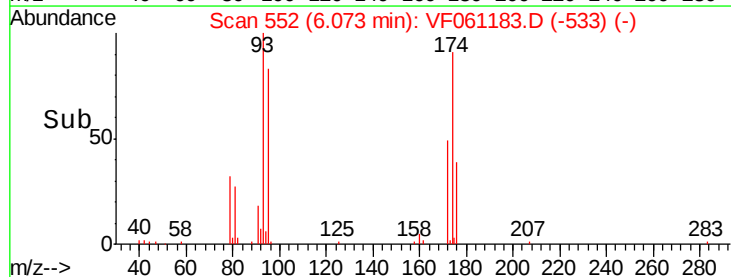
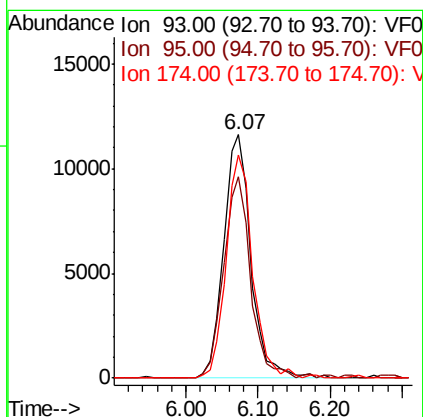
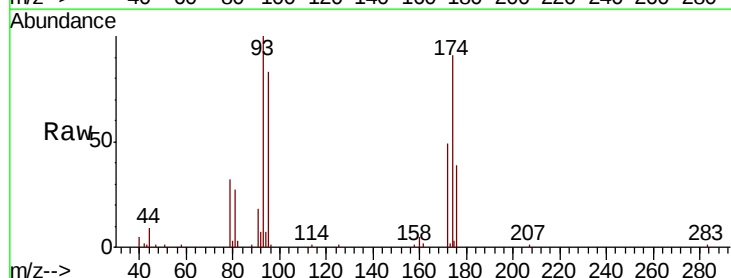
Tgt Ion: 93 Resp: 30488

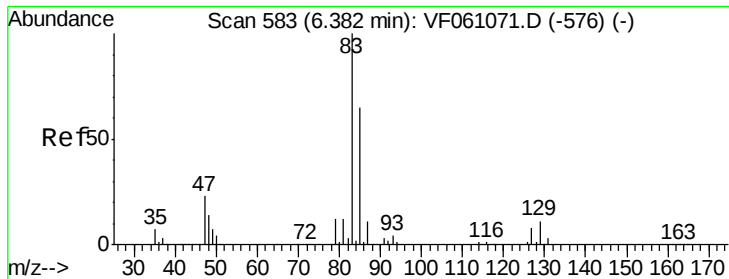
Ion Ratio Lower Upper

93 100

95 83.0 66.9 100.3

174 91.5 74.1 111.1





#47

Bromodichloromethane

Concen: 19.370 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

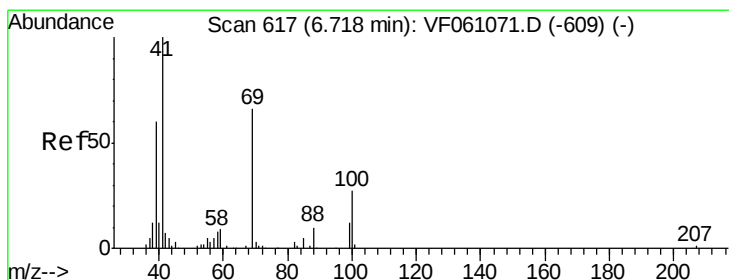
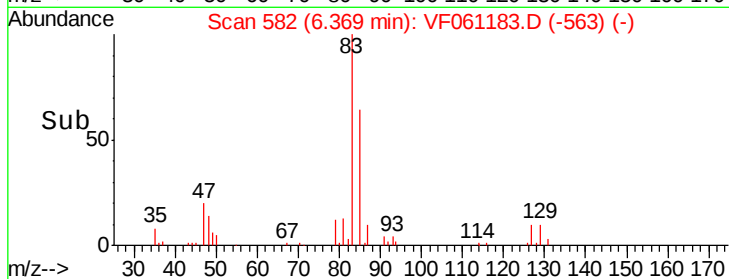
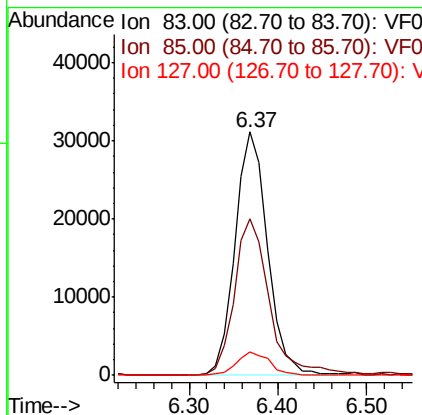
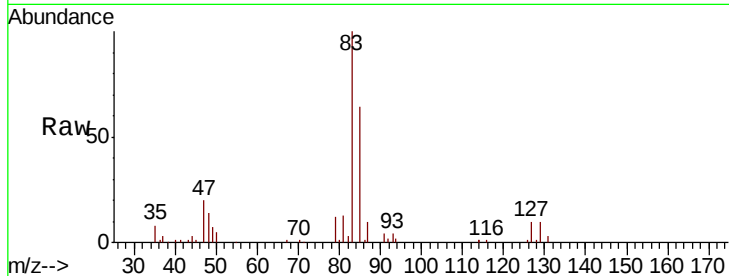
ClientSampleId :

VF1226SBS01

Tot Ion	83	Resp	79292
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.4
127	9.6	6.1	9.1#

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.166 ug/l

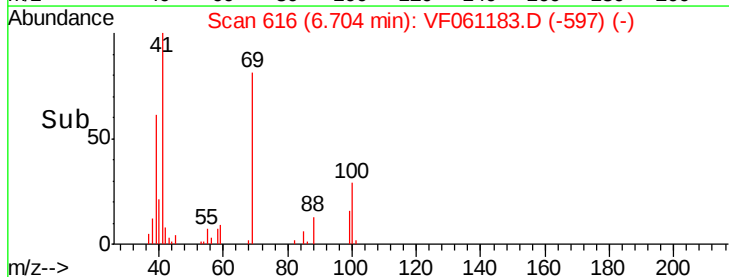
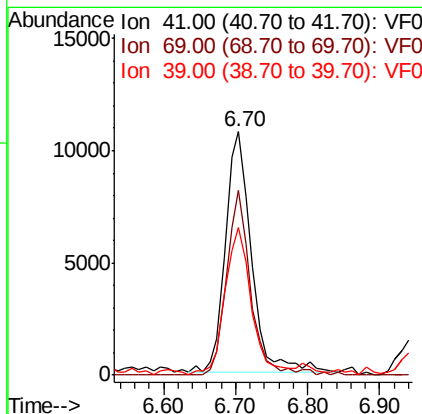
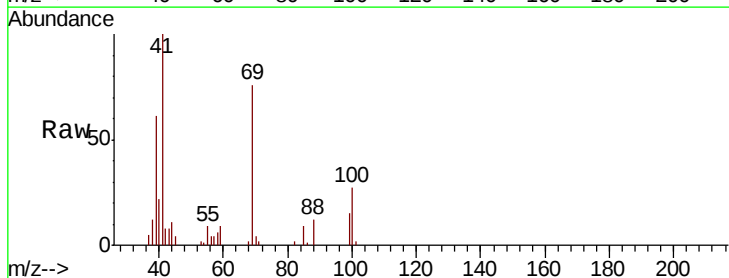
RT: 6.70 min Scan# 616

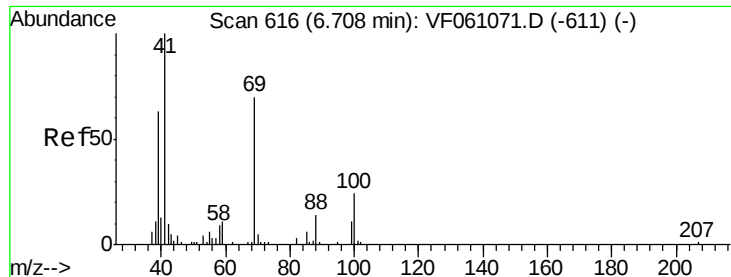
Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Tgt Ion	41	Resp	26823
Ion	Ratio	Lower	Upper
41	100		
69	75.6	52.7	79.1
39	60.6	47.8	71.6





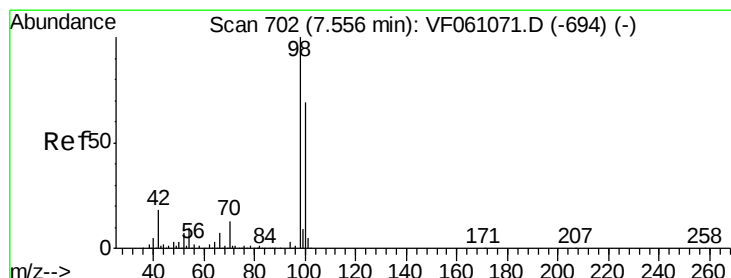
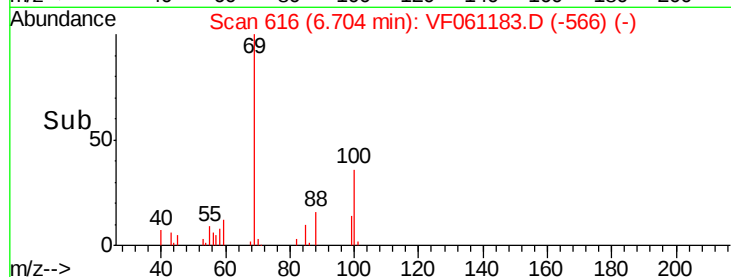
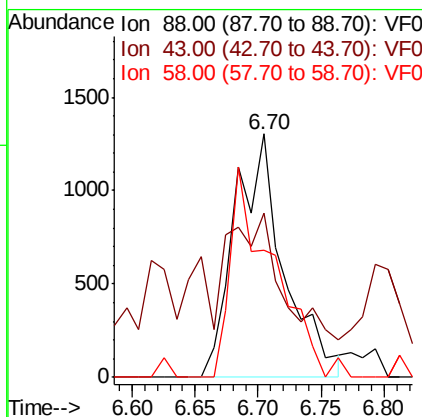
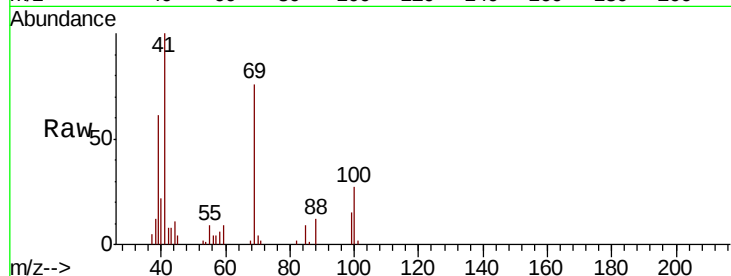
#49
1,4-Dioxane
Concen: 349.589 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	3550		
43	67.7		33.3	49.9#
58	52.3		53.2	79.8#

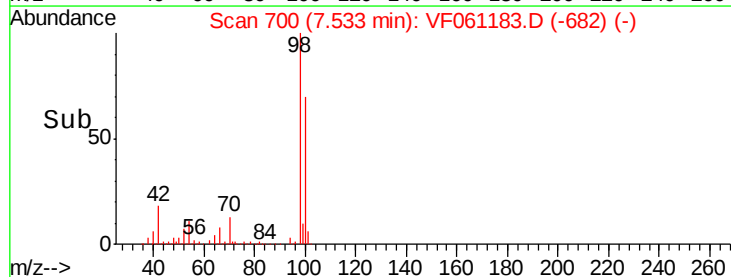
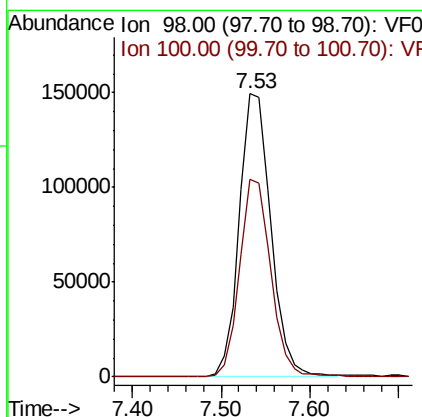
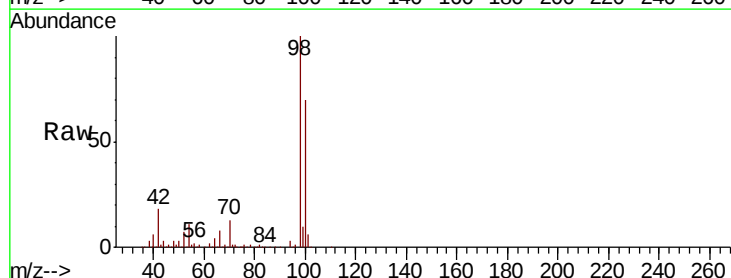
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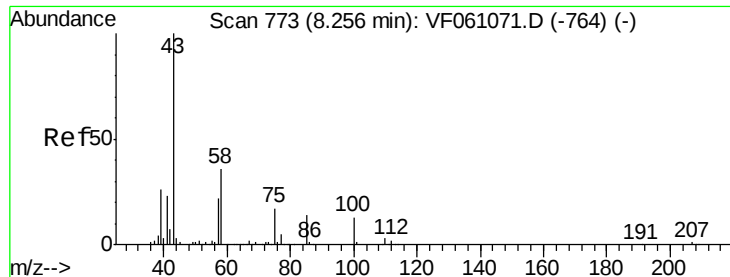
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#50
Toluene-d8
Concen: 47.159 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	368230		
100	69.7		55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 105.036 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 43 Resp: 144411

Ion Ratio Lower Upper

43 100

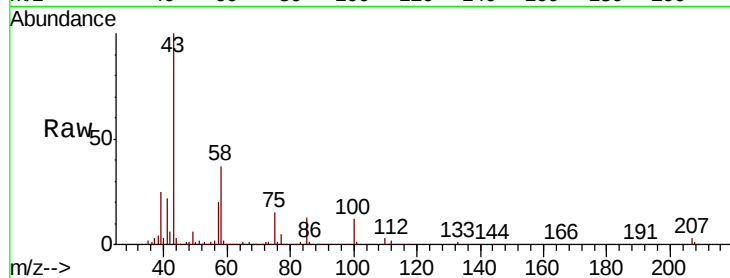
58 37.4 29.1 43.7

Manual Integrations

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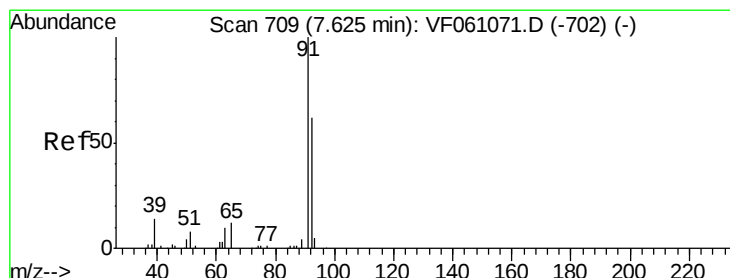
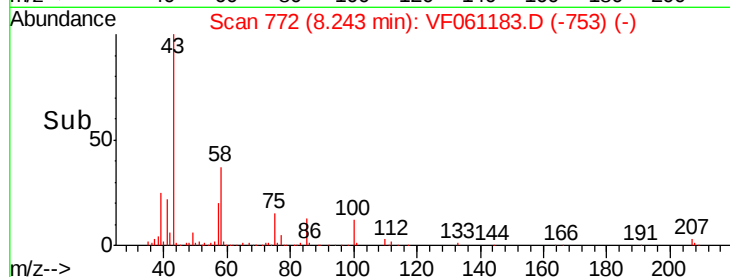
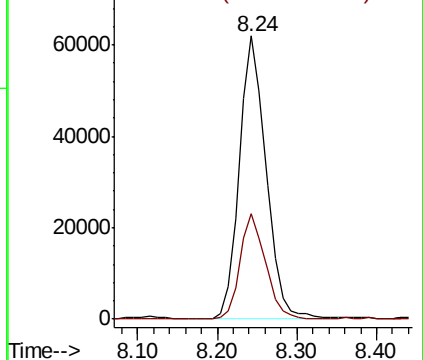
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.046 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061183.D

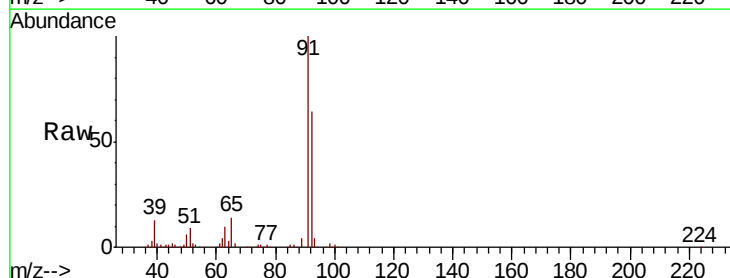
Acq: 26 Dec 2018 12:44

Tgt Ion: 92 Resp: 118479

Ion Ratio Lower Upper

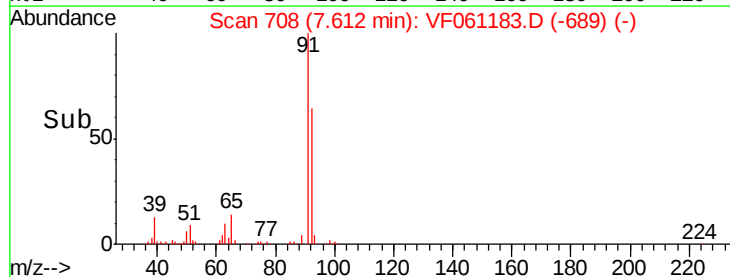
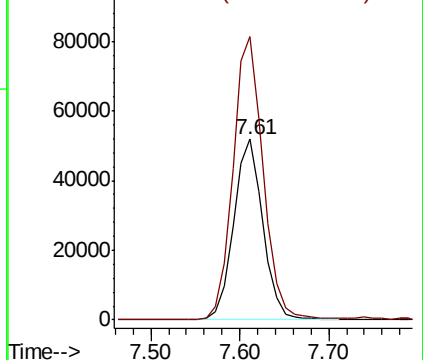
92 100

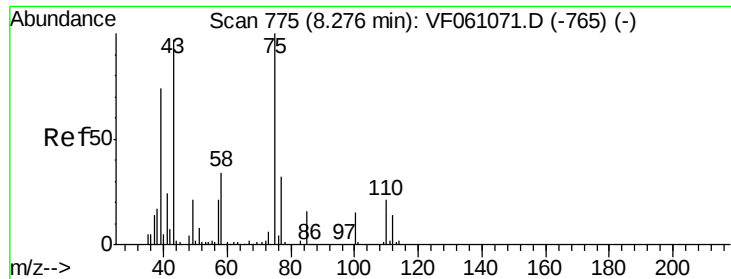
91 156.5 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 19.666 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 75 Resp: 64944

Ion Ratio Lower Upper

75 100

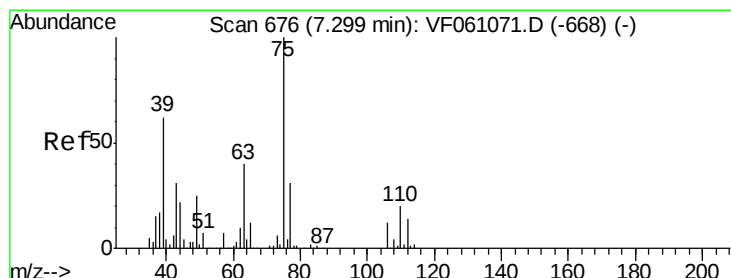
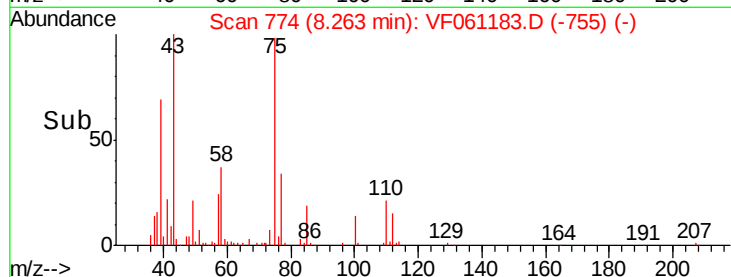
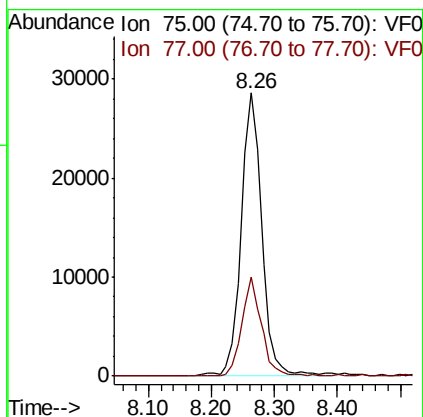
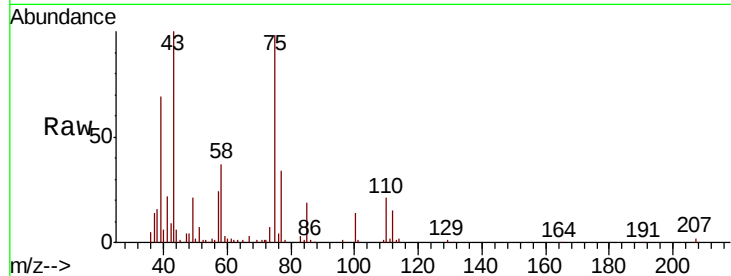
77 35.2 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 19.783 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

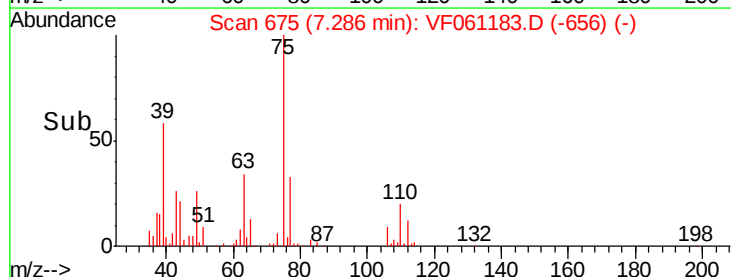
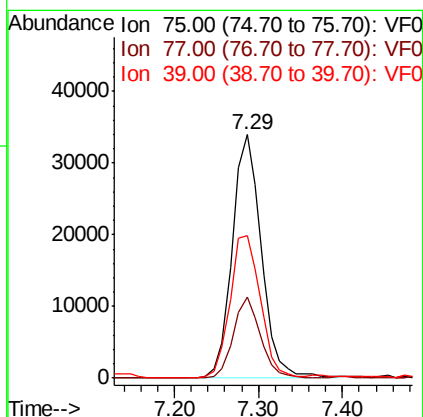
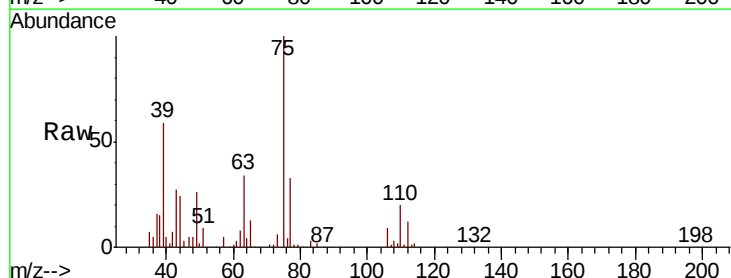
Tgt Ion: 75 Resp: 81996

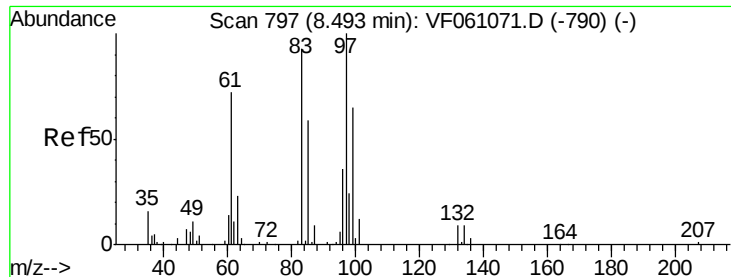
Ion Ratio Lower Upper

75 100

77 33.2 25.0 37.4

39 58.8 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 19.451 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

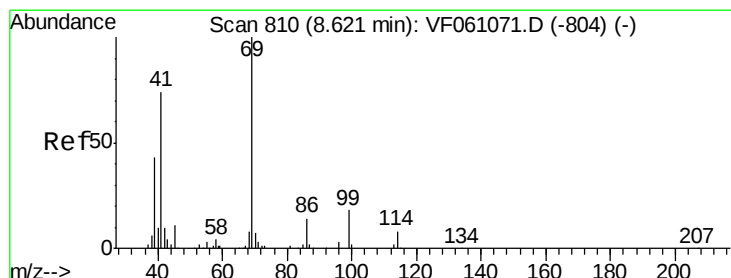
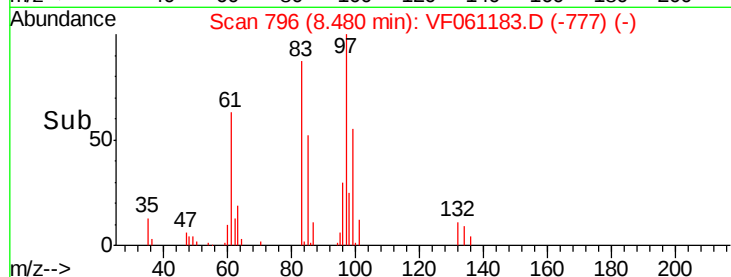
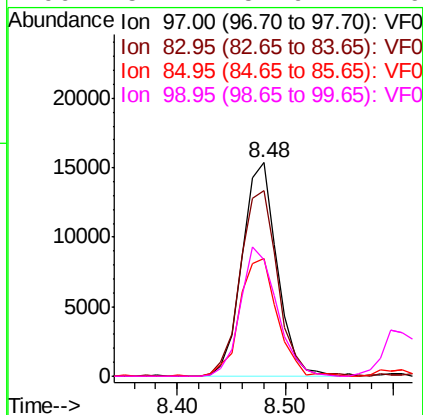
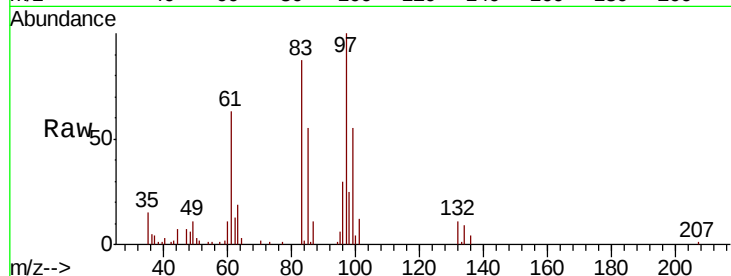
ClientSampleId :

VF1226SBS01

Tot Ion:	97	Resp:	34463
Ion	Ratio	Lower	Upper
97	100		
83	87.0	75.0	112.4
85	54.9	47.5	71.3
99	54.7	51.9	77.9

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#56

Ethyl methacrylate

Concen: 19.373 ug/l

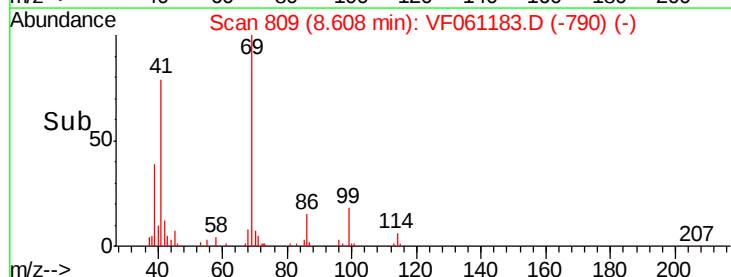
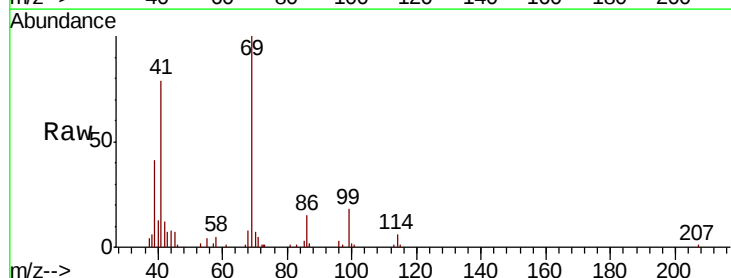
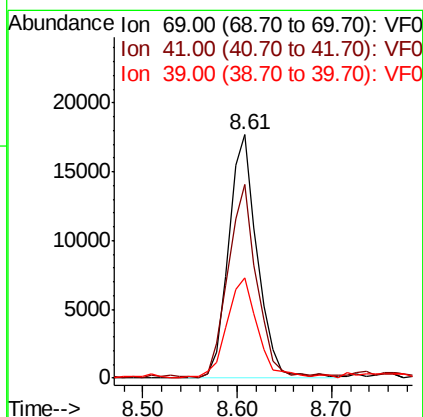
RT: 8.61 min Scan# 809

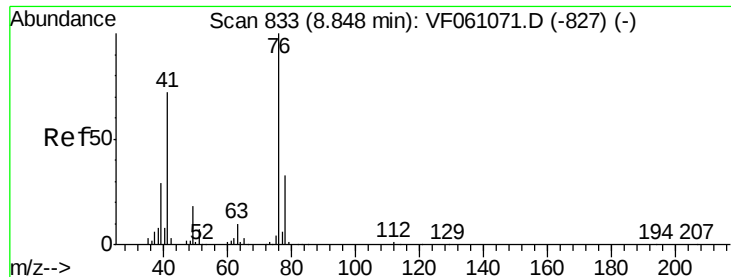
Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Tgt Ion:	69	Resp:	37143
Ion	Ratio	Lower	Upper
69	100		
41	79.5	59.7	89.5
39	41.1	35.0	52.6





#57

1,3-Dichloropropane

Concen: 20.178 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 76 Resp: 64661

Ion Ratio Lower Upper

76 100

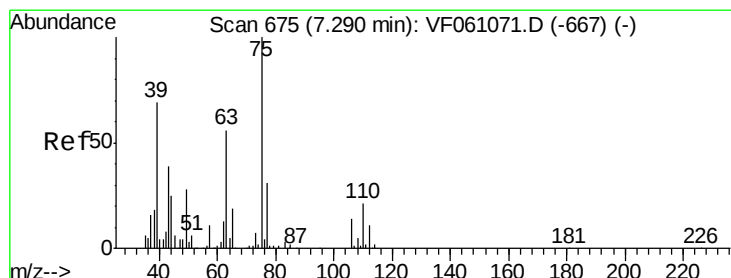
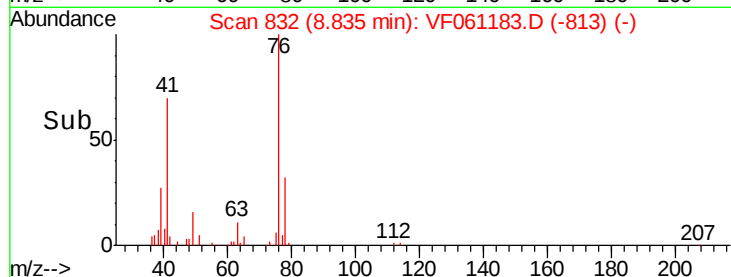
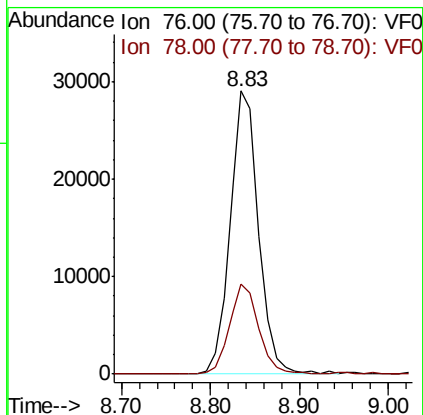
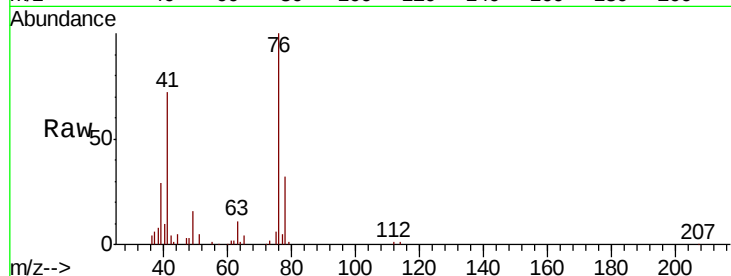
78 31.7 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 83.823 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061183.D

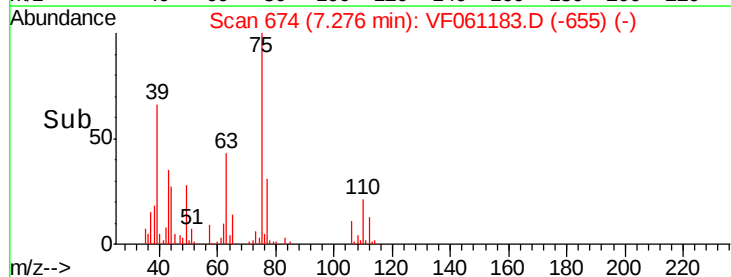
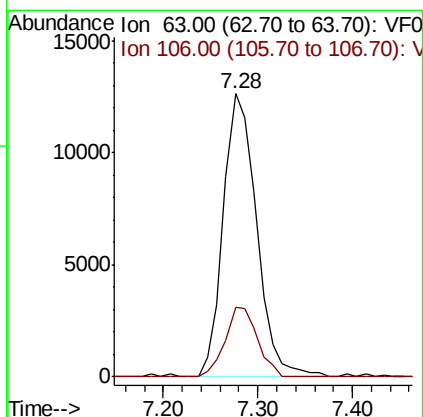
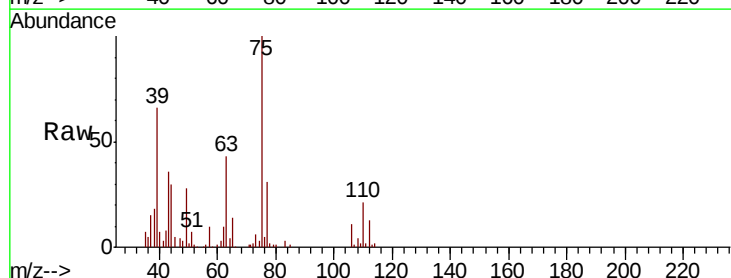
Acq: 26 Dec 2018 12:44

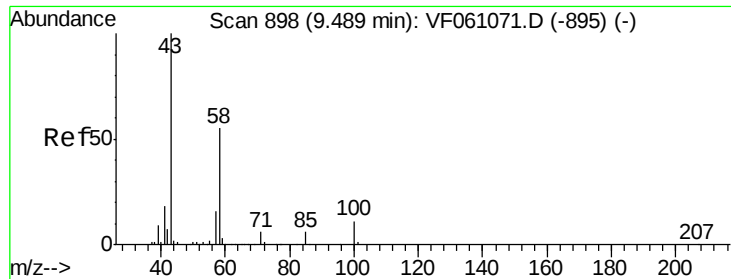
Tgt Ion: 63 Resp: 30865

Ion Ratio Lower Upper

63 100

106 24.8 19.8 29.8





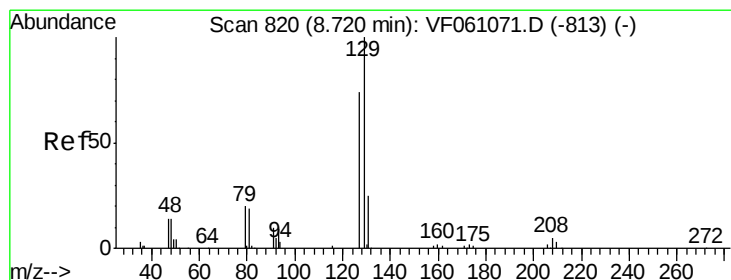
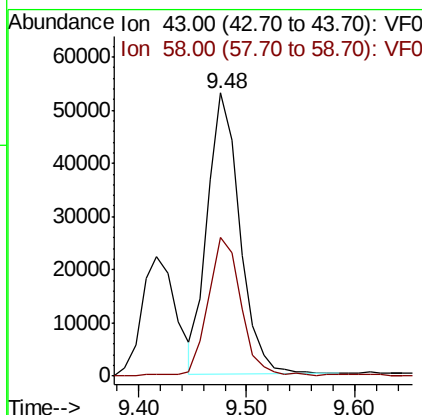
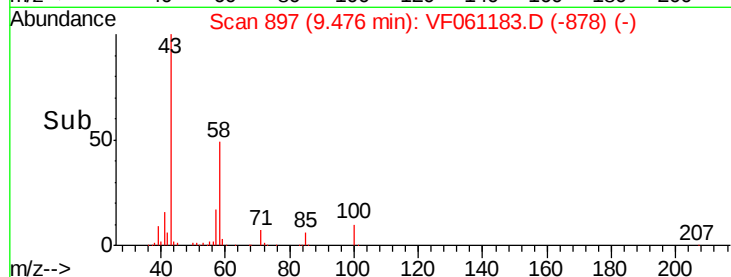
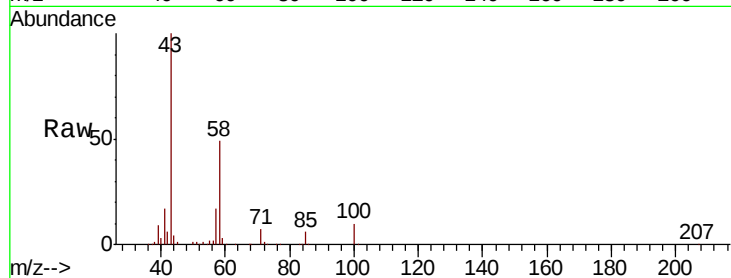
#59
2-Hexanone
Concen: 110.695 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion: 43 Resp: 110062
Ion Ratio Lower Upper
43 100
58 49.2 25.1 75.2

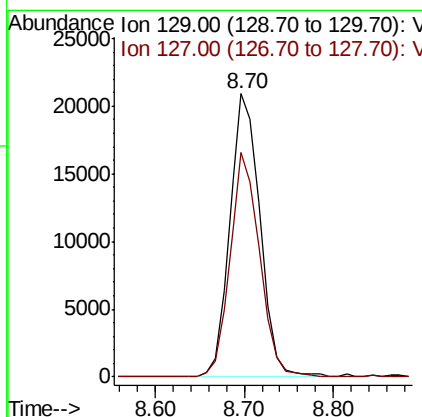
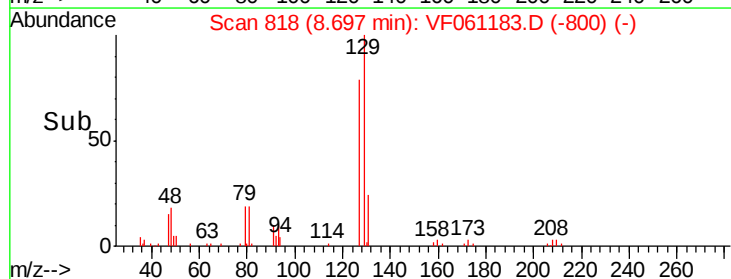
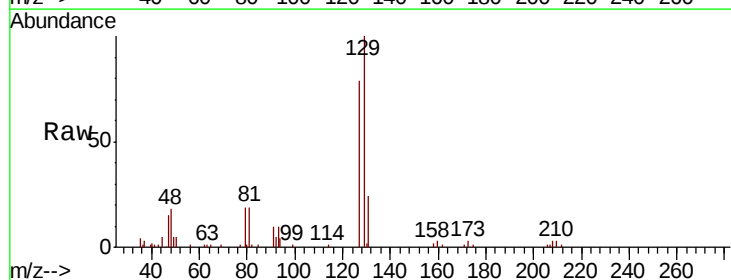
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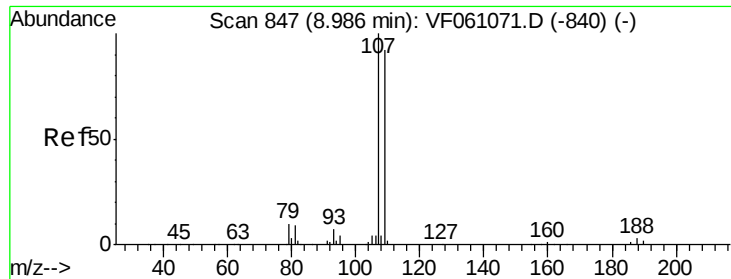
apatel
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#60
Dibromochloromethane
Concen: 19.492 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion: 129 Resp: 49507
Ion Ratio Lower Upper
129 100
127 79.3 36.8 110.3





#61

1,2-Dibromoethane

Concen: 19.813 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 107 Resp: 37492

Ion Ratio Lower Upper

107 100

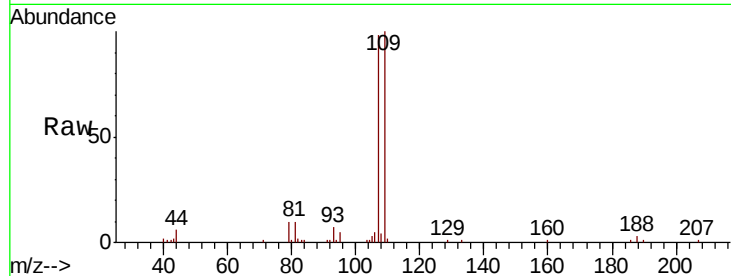
109 101.7 73.7 110.5

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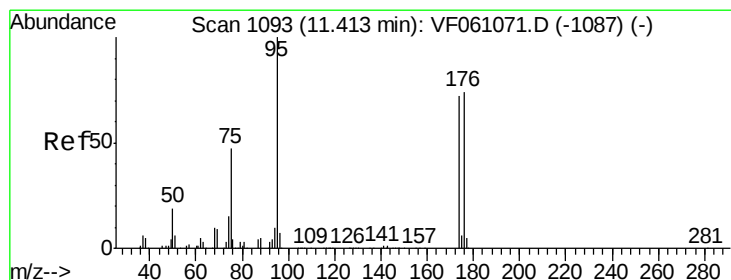
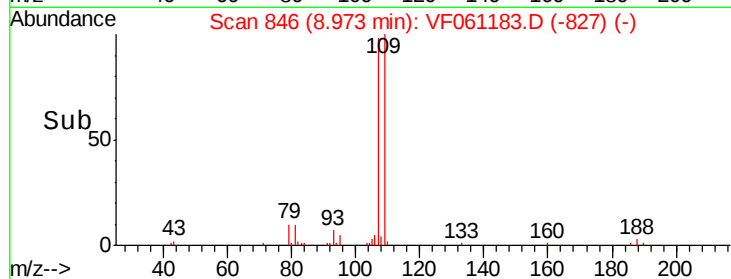
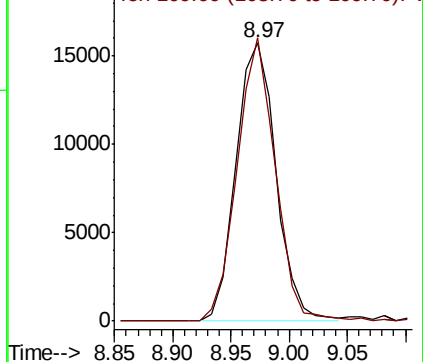
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.832 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

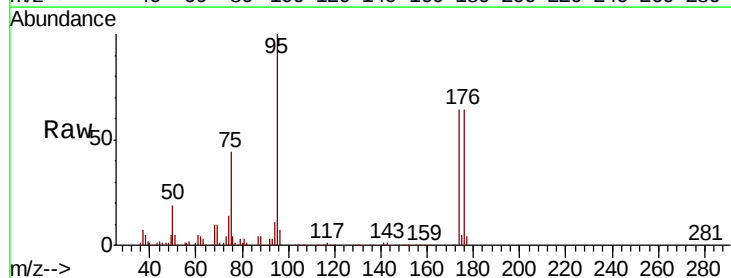
Tgt Ion: 95 Resp: 179380

Ion Ratio Lower Upper

95 100

174 63.7 0.0 143.8

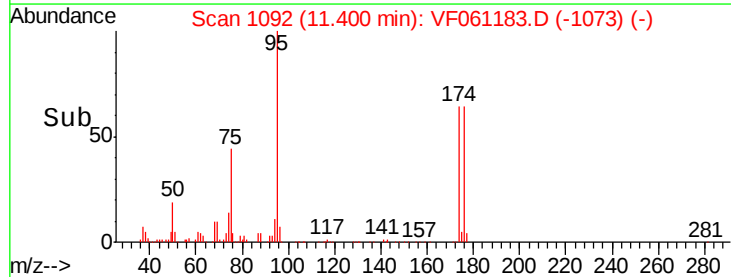
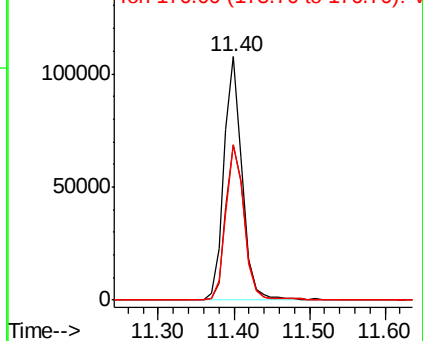
176 63.9 0.0 147.6

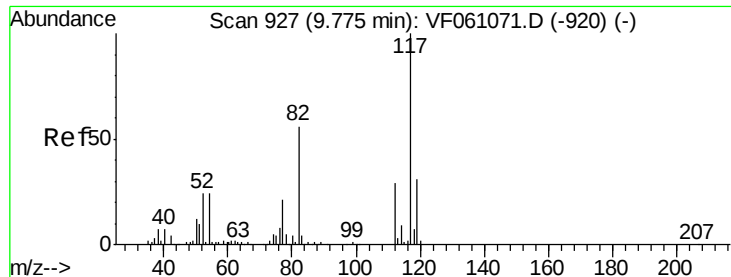


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





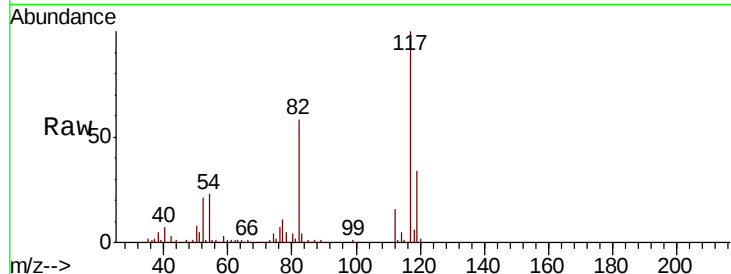
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

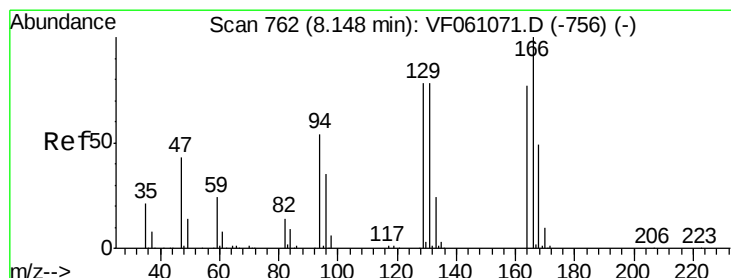
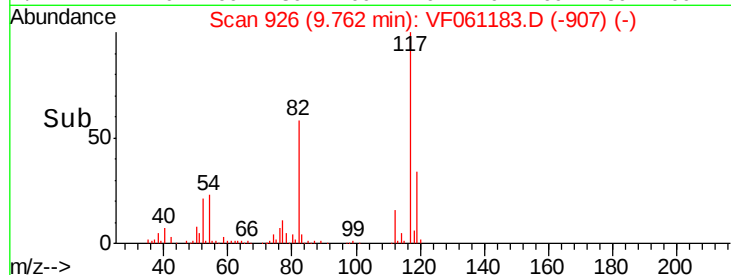
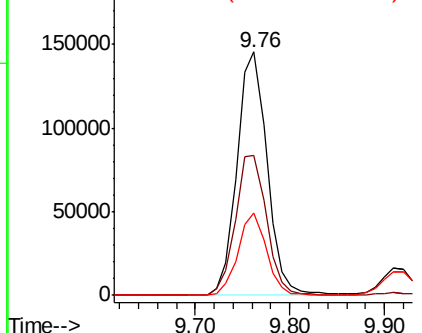
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.0	67.4
119	33.7	24.8	37.2

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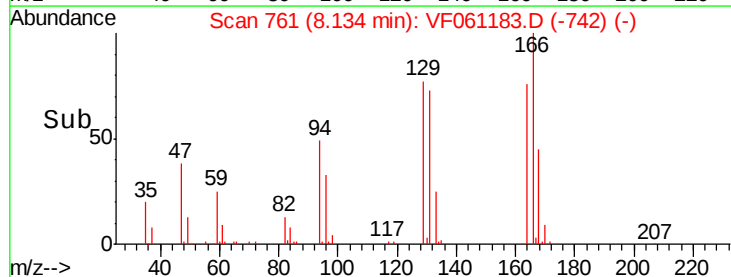
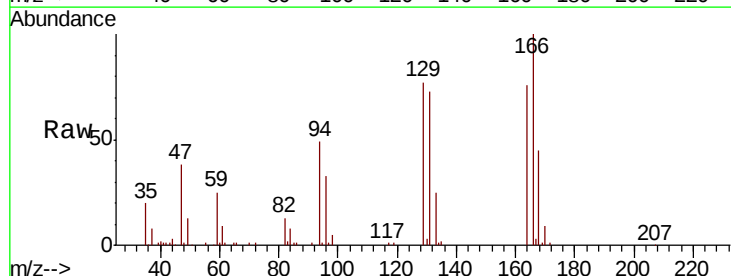
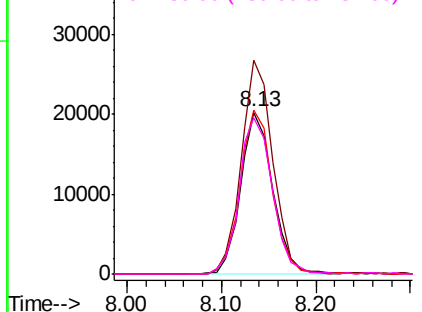
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

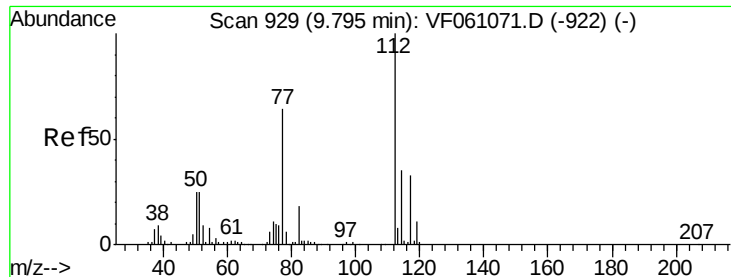


#64
Tetrachloroethene
Concen: 19.031 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	104.0	156.0
129	101.2	81.1	121.7
131	96.3	81.2	121.8

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





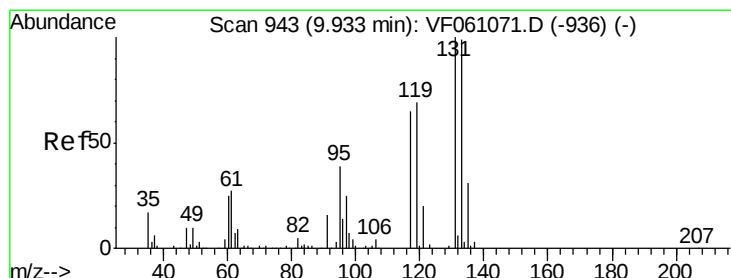
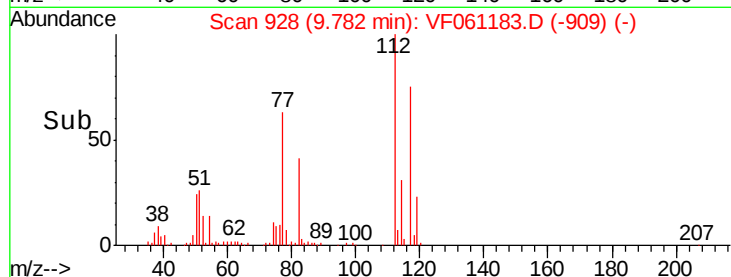
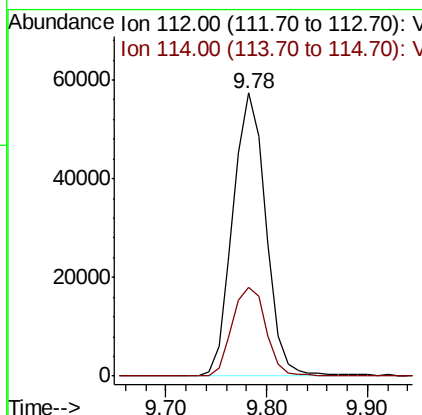
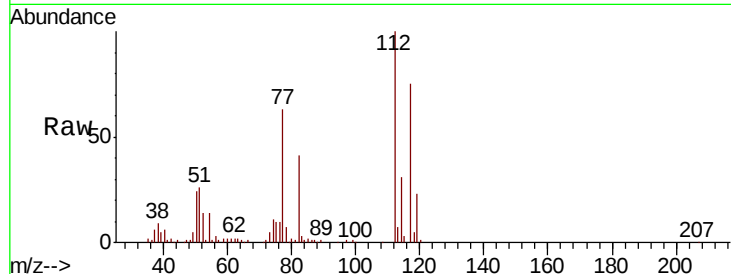
#65
Chlorobenzene
Concen: 19.797 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	27.8	41.6

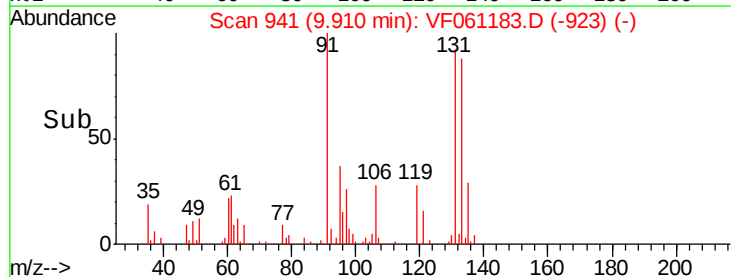
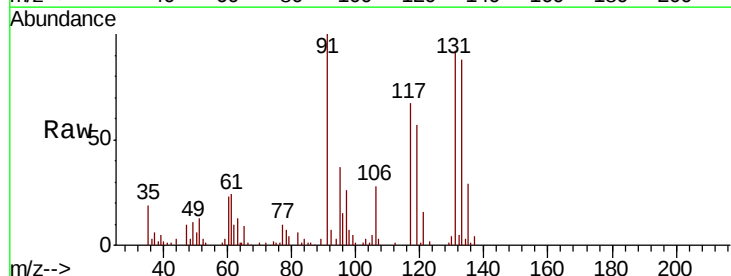
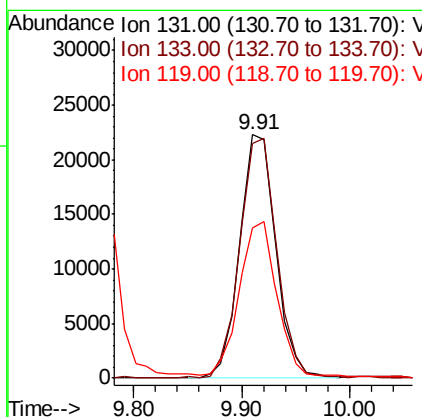
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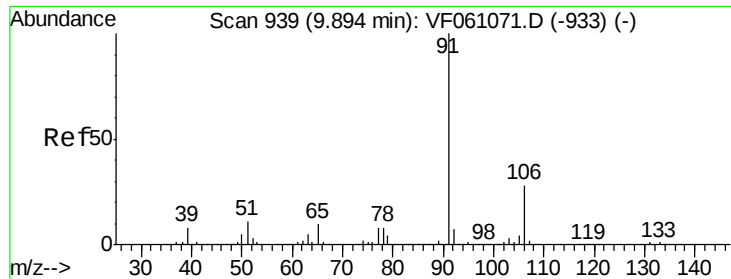
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.049 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	49.5	148.7
119	61.9	34.5	103.5





#67

Ethyl Benzene

Concen: 21.238 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 91 Resp: 257190

Ion Ratio Lower Upper

91 100

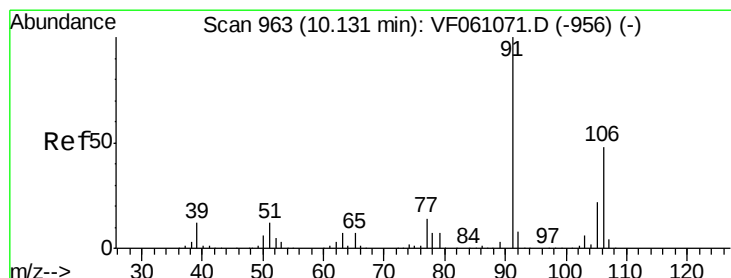
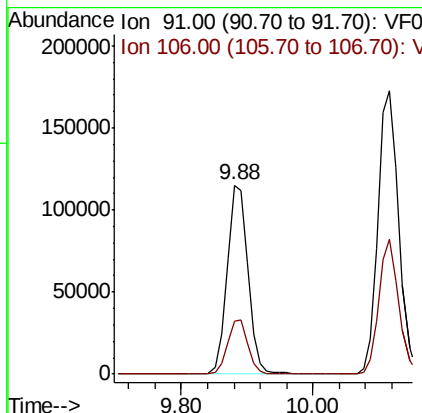
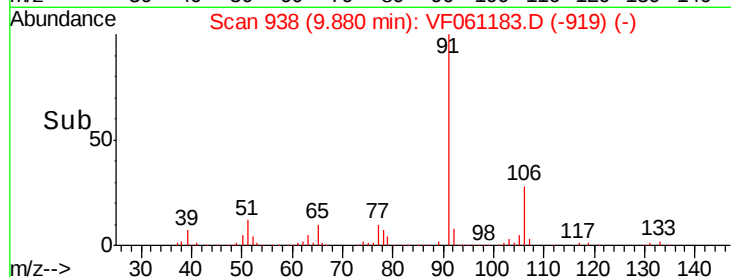
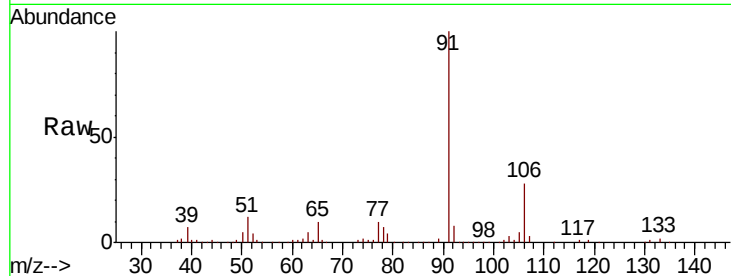
106 28.1 22.5 33.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.997 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF061183.D

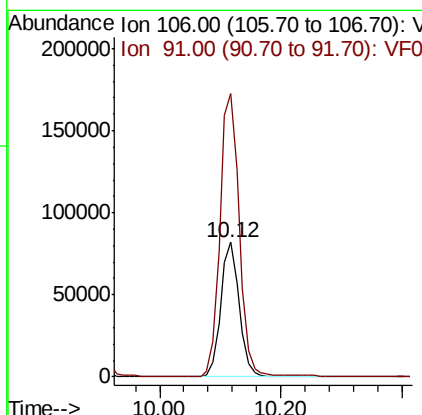
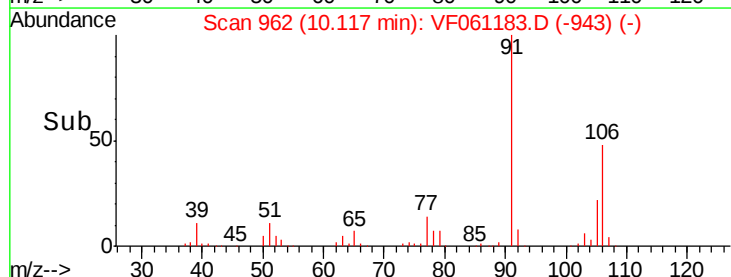
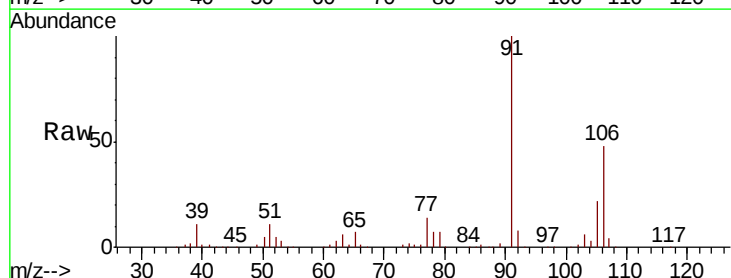
Acq: 26 Dec 2018 12:44

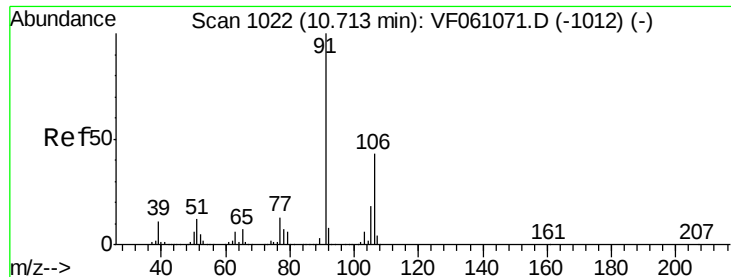
Tgt Ion: 106 Resp: 174721

Ion Ratio Lower Upper

106 100

91 210.1 168.2 252.2





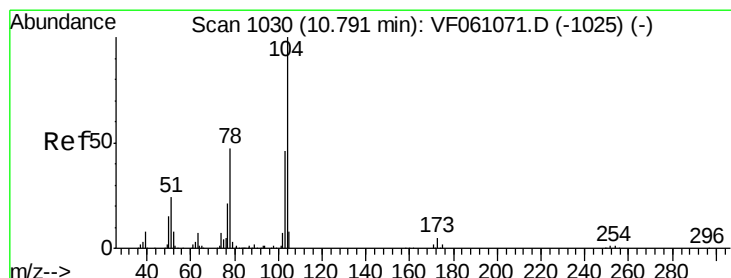
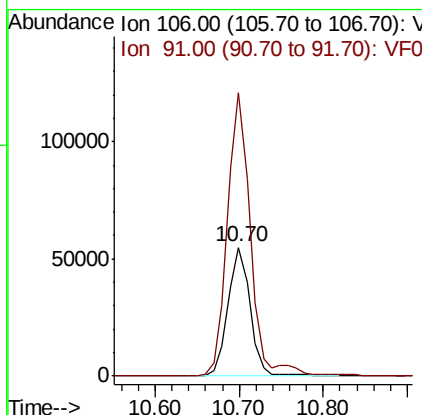
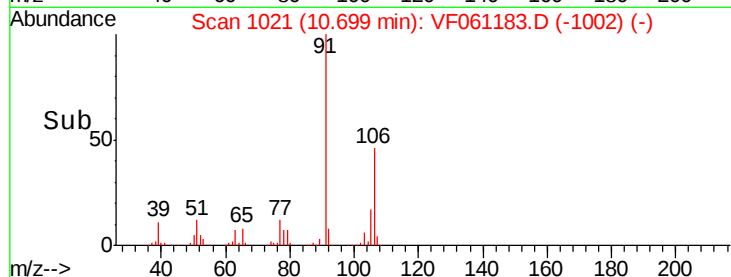
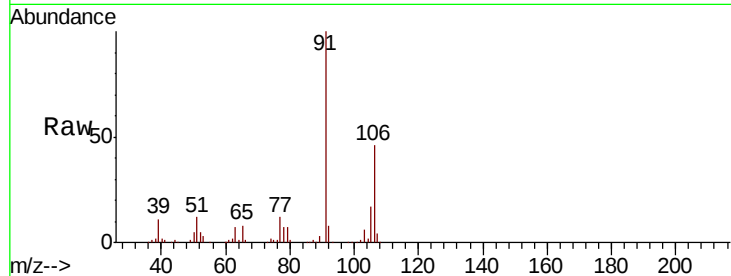
#69
o-Xylene
Concen: 21.354 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	100931		
91	91	219.7	115.9	347.7	

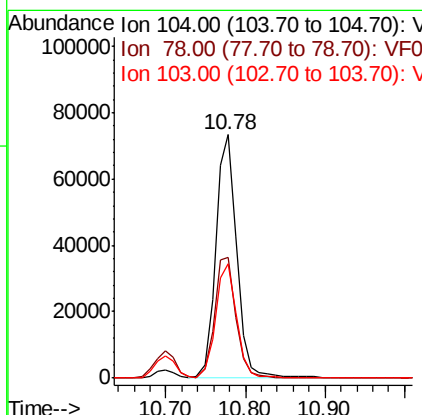
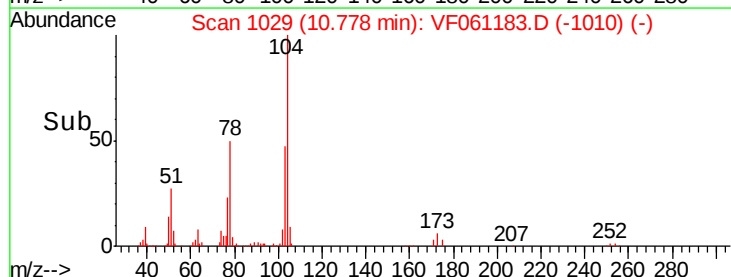
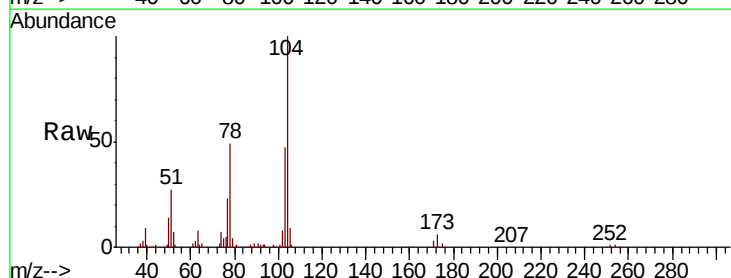
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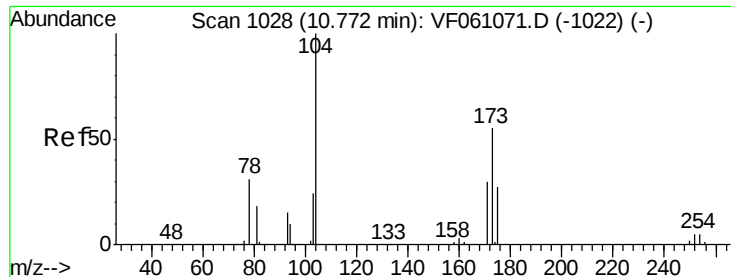
apatel
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#70
Styrene
Concen: 20.727 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	135844		
78	78	49.4	38.4	57.6	
103	103	46.8	37.0	55.6	





#71

Bromoform

Concen: 19.824 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBSD01

Tot Ion:173 Resp: 24914

Ion Ratio Lower Upper

173 100

175 48.0 24.8 74.4

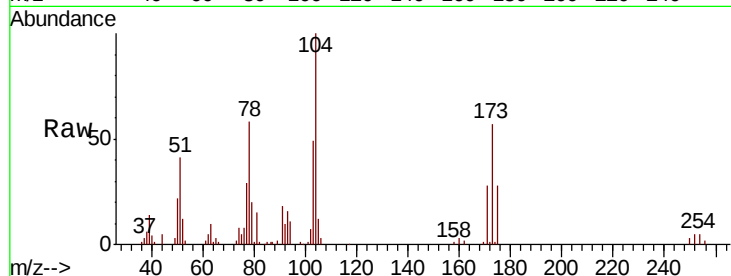
254 8.8 0.0 0.0#

Manual Integrations

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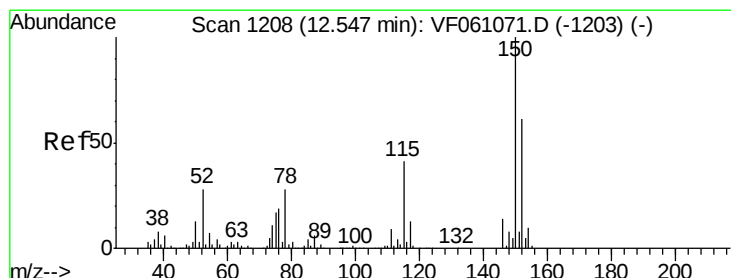
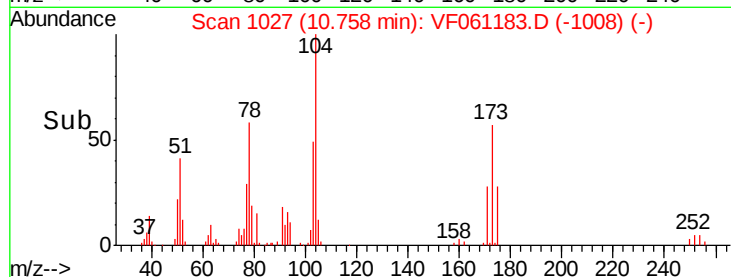
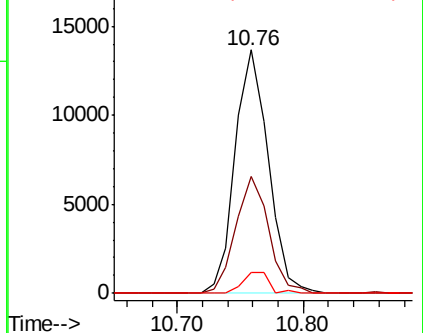
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

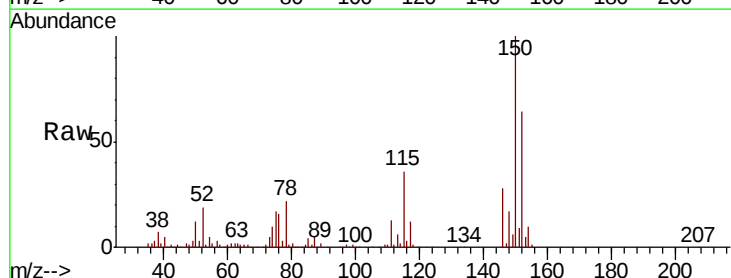
Tgt Ion:152 Resp: 163532

Ion Ratio Lower Upper

152 100

115 56.3 33.3 99.9

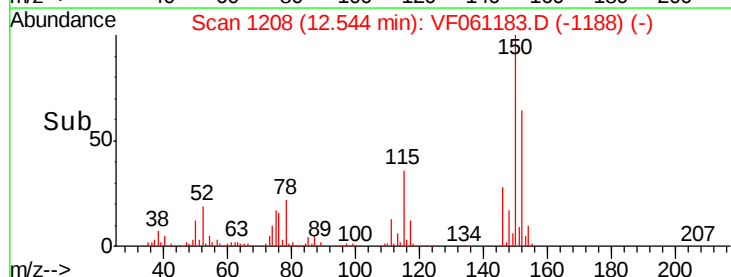
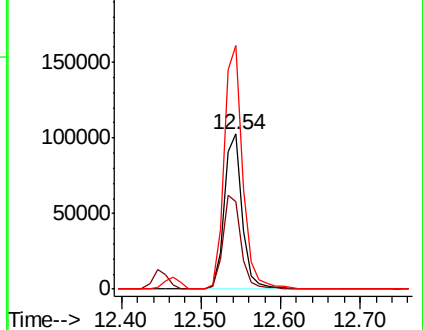
150 157.3 0.0 328.2

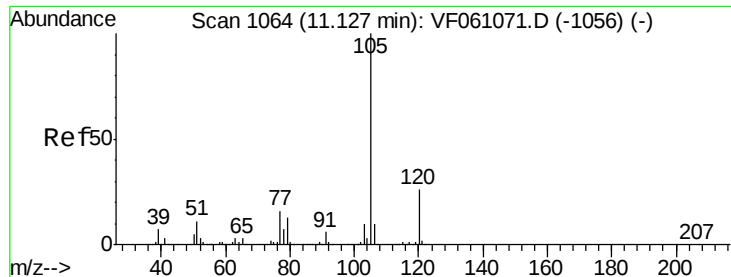


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 19.846 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 105 Resp: 279682

Ion Ratio Lower Upper

105 100

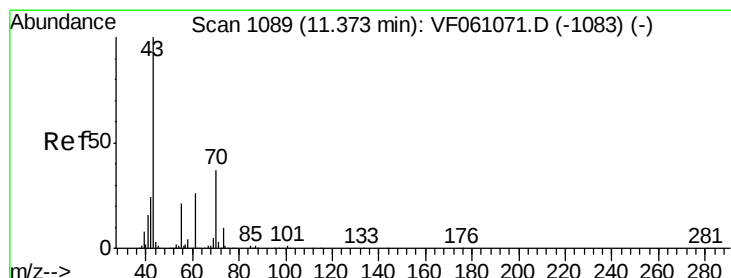
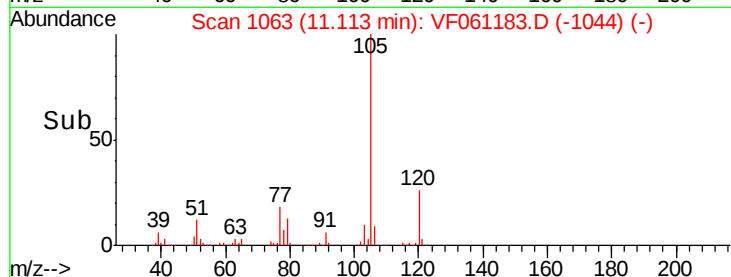
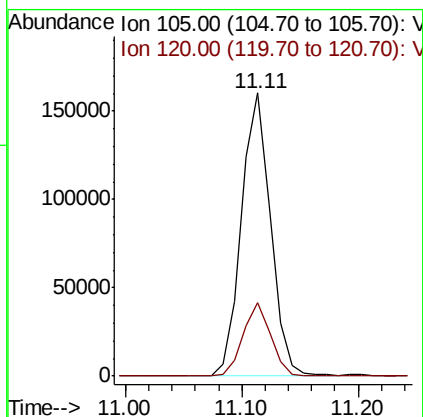
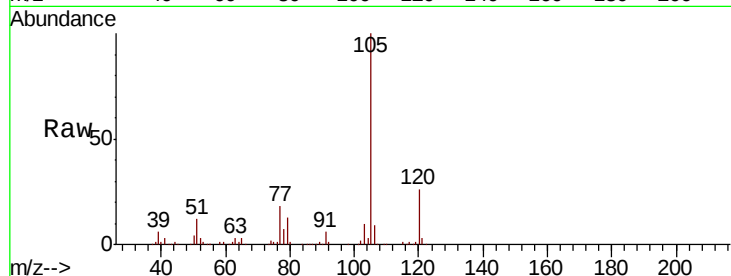
120 25.8 13.0 39.0

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#74

N-ethyl acetate

Concen: 21.031 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Tgt Ion: 43 Resp: 65802

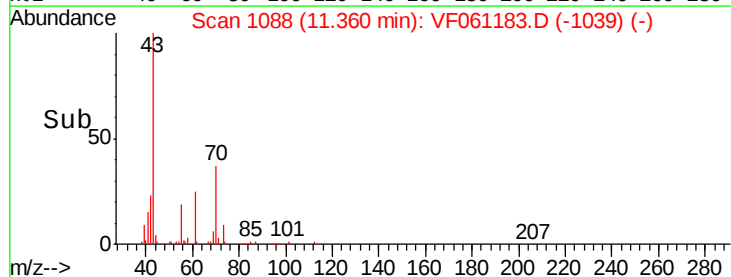
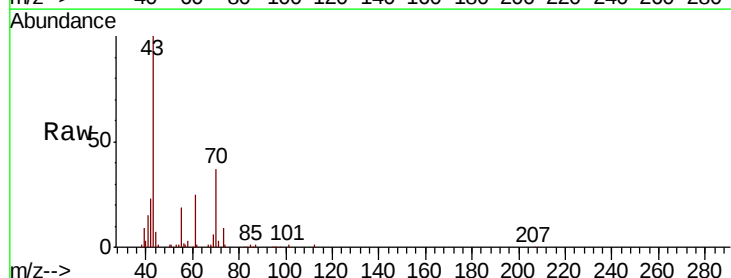
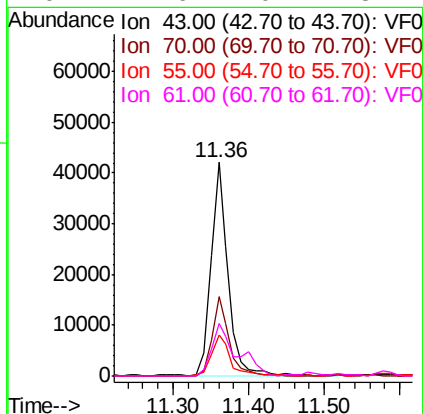
Ion Ratio Lower Upper

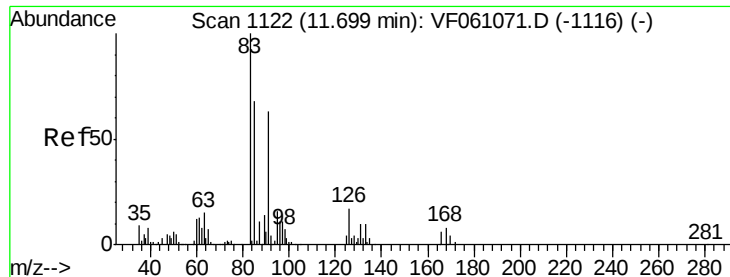
43 100

70 37.1 29.2 43.8

55 18.9 16.5 24.7

61 24.6 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.308 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

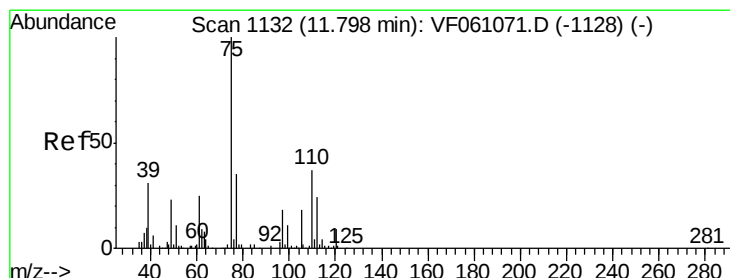
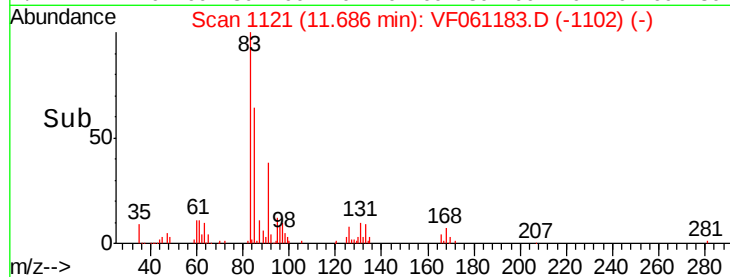
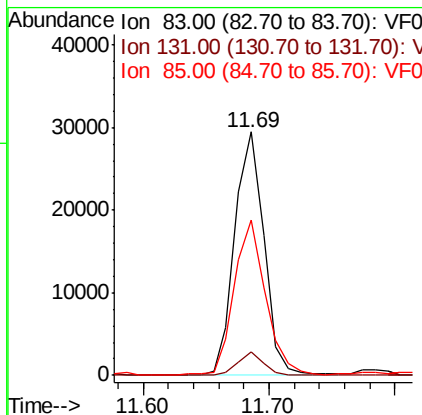
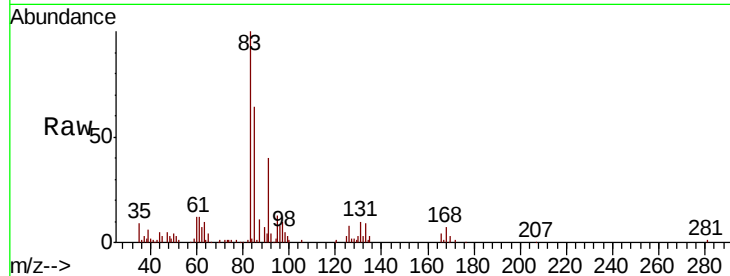
ClientSampleId :

VF1226SBS01

Tot Ion:	83	Resp:	47498
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	63.8	33.9	101.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.744 ug/l

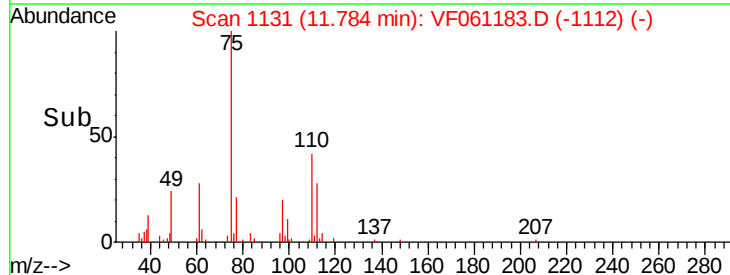
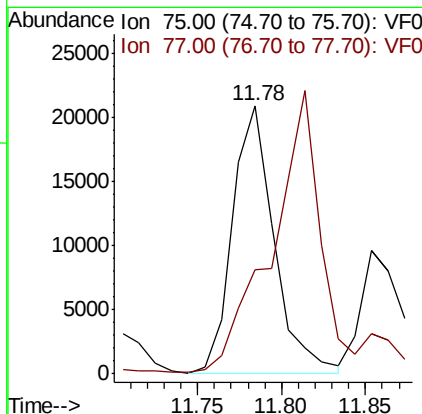
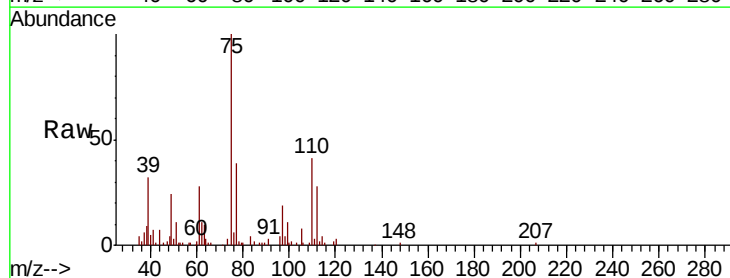
RT: 11.78 min Scan# 1131

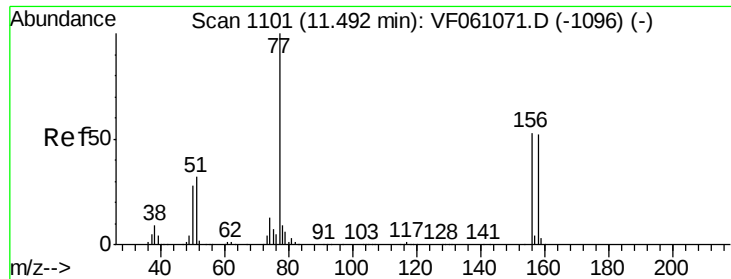
Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Tgt Ion:	75	Resp:	36107
Ion Ratio	Lower	Upper	
75	100		
77	38.7	17.6	52.9





#77

Bromobenzene

Concen: 18.761 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

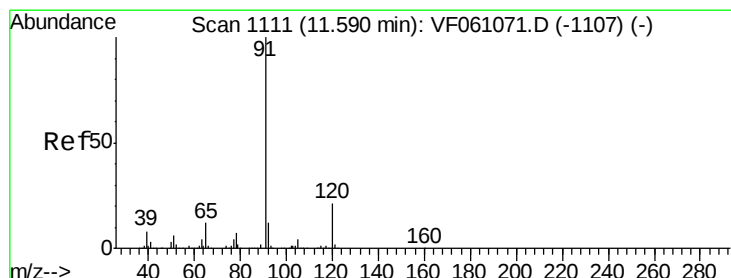
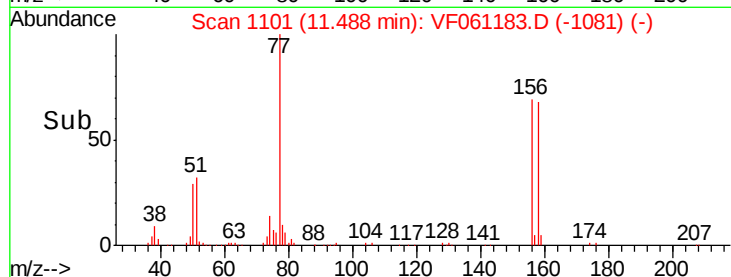
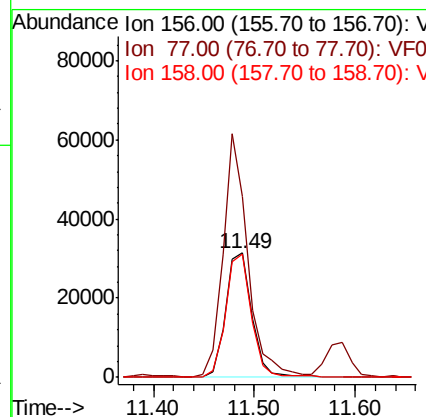
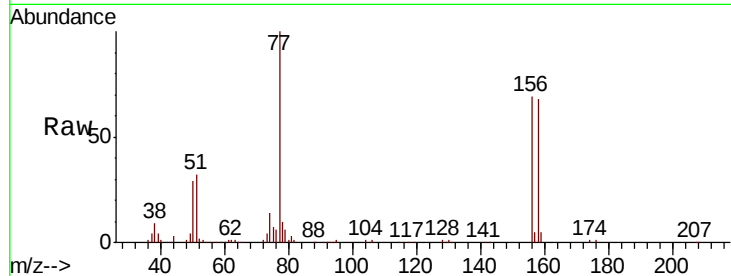
ClientSampleId :

VF1226SBSD01

Tot Ion:156 Resp: 56914
 Ion Ratio Lower Upper
 156 100
 77 145.8 93.8 281.4
 158 98.9 48.9 146.8

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#78

n-propylbenzene

Concen: 18.563 ug/l

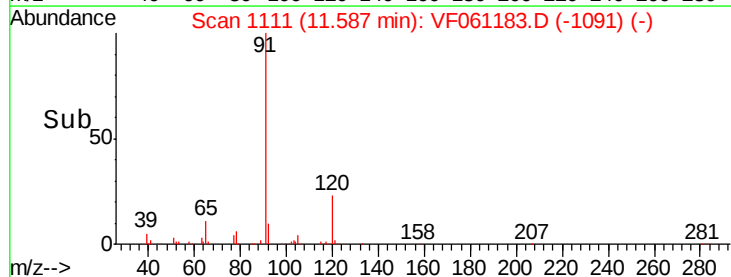
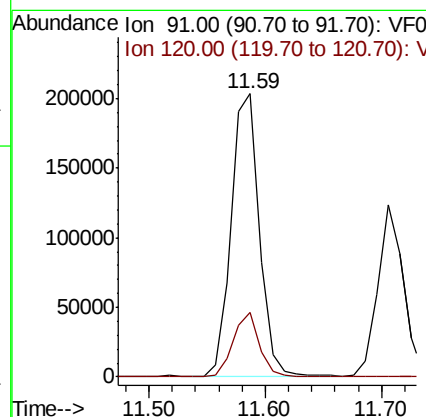
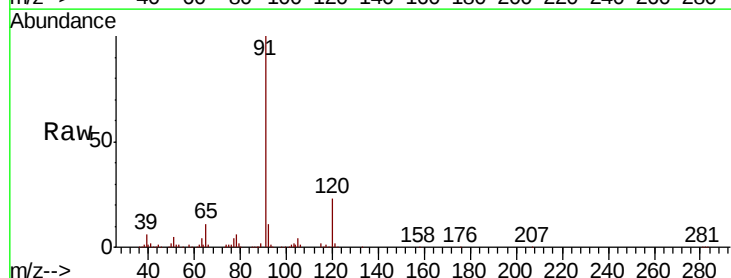
RT: 11.59 min Scan# 1111

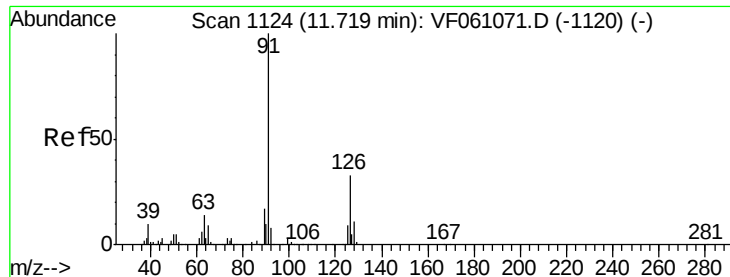
Delta R.T. -0.00 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Tgt Ion: 91 Resp: 341687
 Ion Ratio Lower Upper
 91 100
 120 22.8 10.4 31.2





#79

2-Chlorotoluene

Concen: 19.329 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 91 Resp: 186862

Ion Ratio Lower Upper

91 100

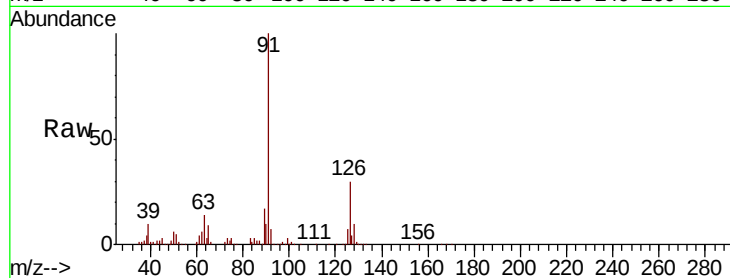
126 30.2 16.4 49.1

Manual Integrations

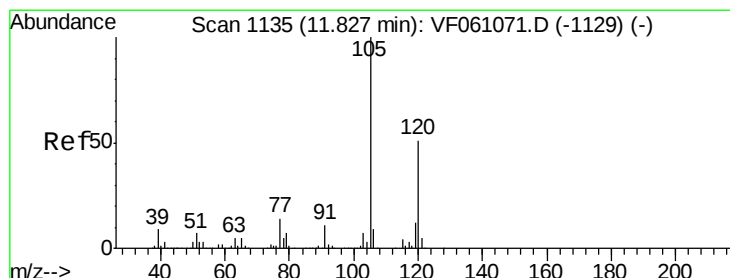
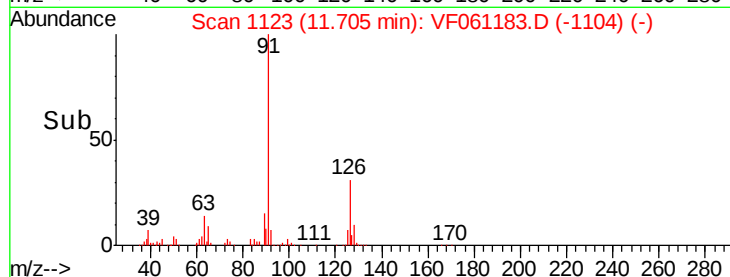
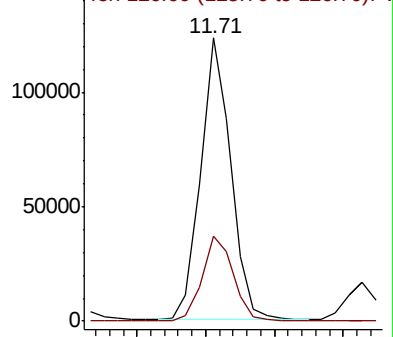
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Abundance Ion 91.00 (90.70 to 91.70): VF061071.D (-1120) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.221 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061183.D

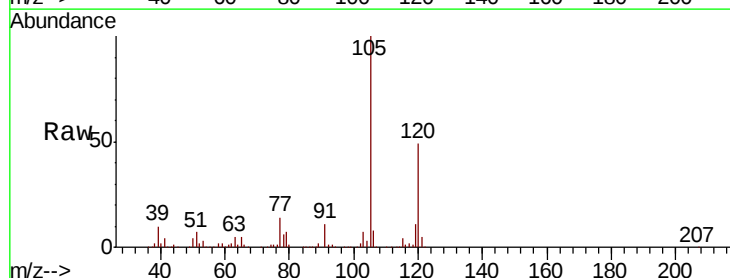
Acq: 26 Dec 2018 12:44

Tgt Ion: 105 Resp: 234650

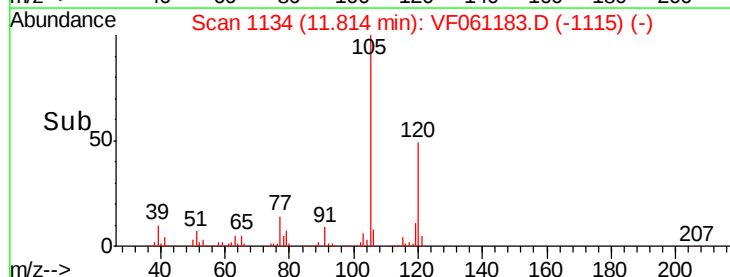
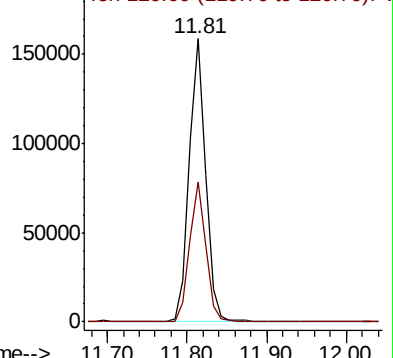
Ion Ratio Lower Upper

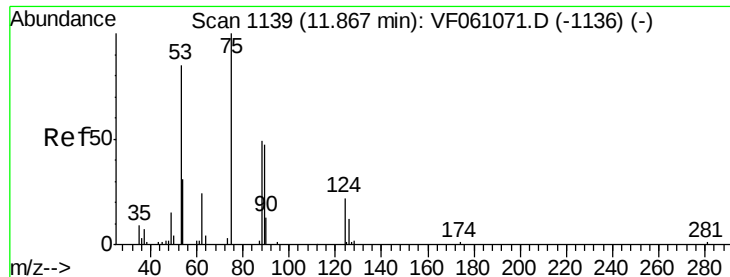
105 100

120 49.5 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VF061071.D (-1129) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.659 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBSD01

Tot Ion: 75 Resp: 14704

Ion Ratio Lower Upper

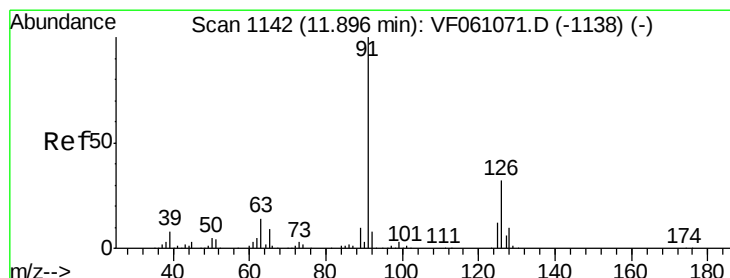
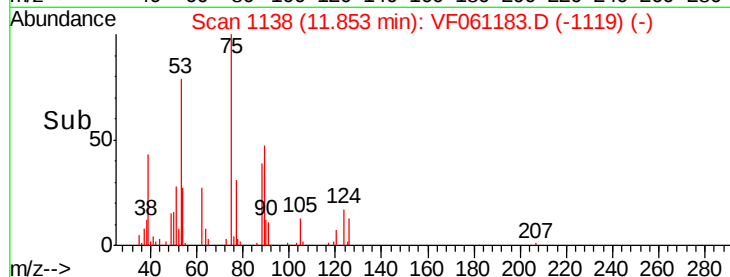
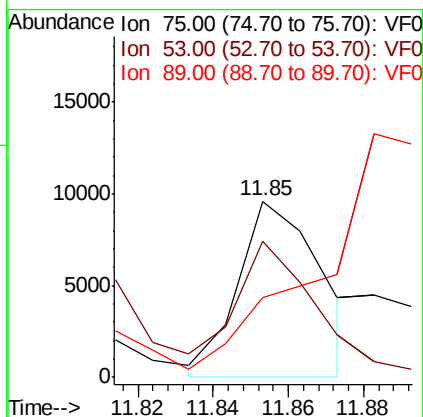
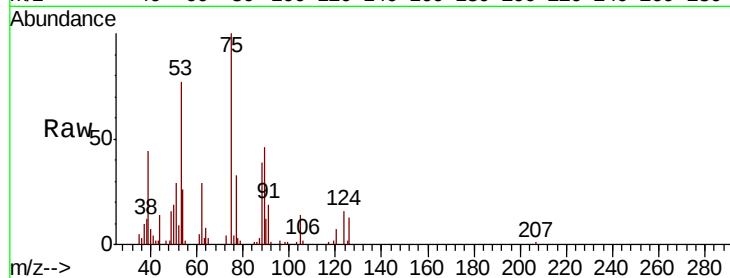
75 100

53 77.5 74.1 111.1

89 45.7 42.6 64.0

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#82

4-Chlorotoluene

Concen: 19.907 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061183.D

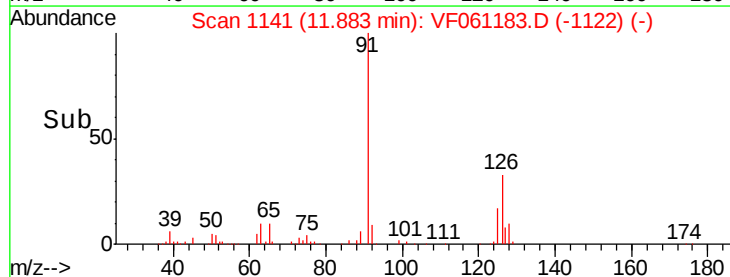
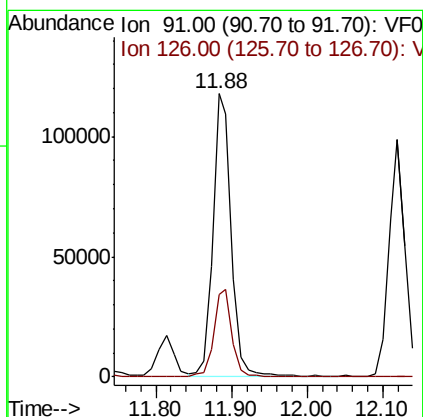
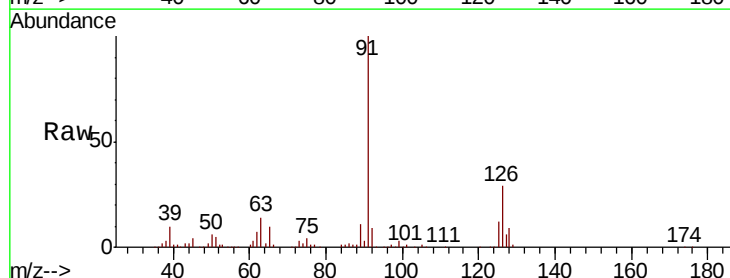
Acq: 26 Dec 2018 12:44

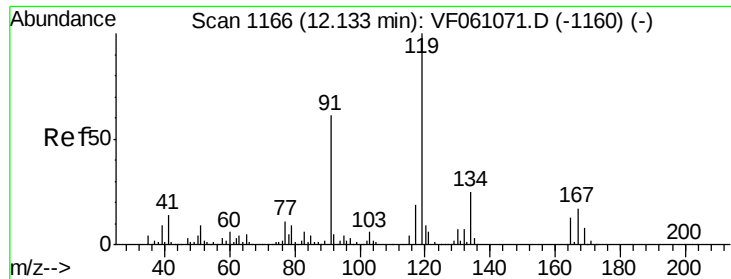
Tgt Ion: 91 Resp: 199083

Ion Ratio Lower Upper

91 100

126 29.1 16.0 47.9





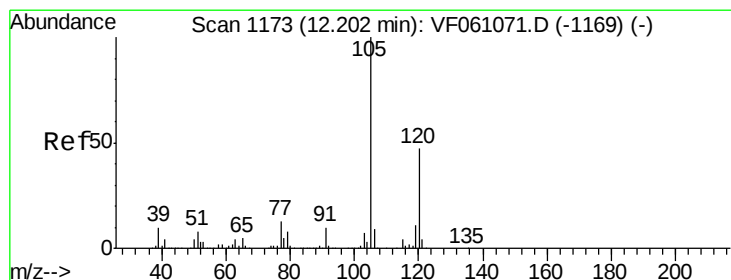
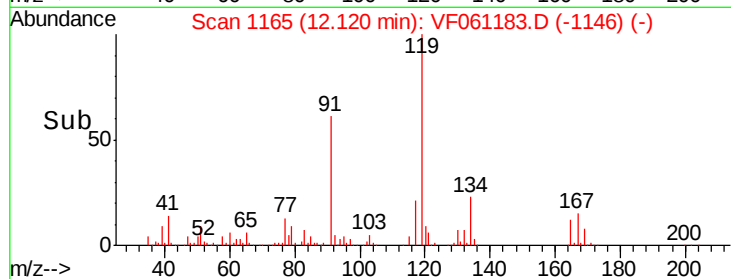
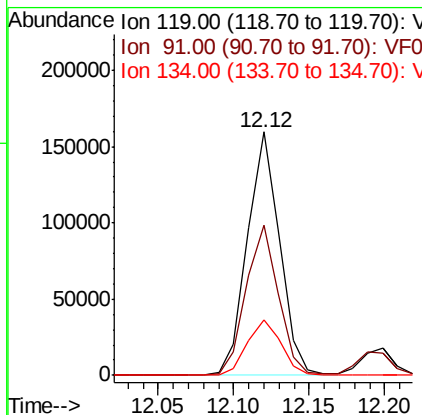
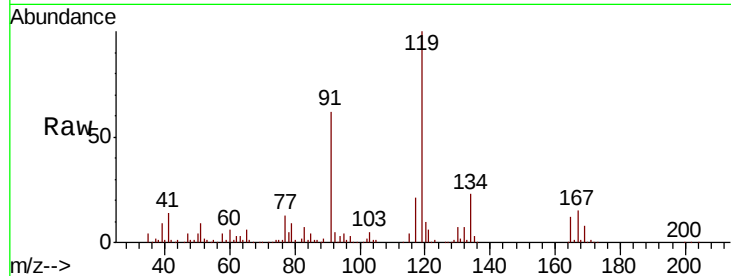
#83
tert-Butylbenzene
Concen: 20.071 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239669		
91	61.9	30.5	91.5	
134	22.9	12.4	37.4	

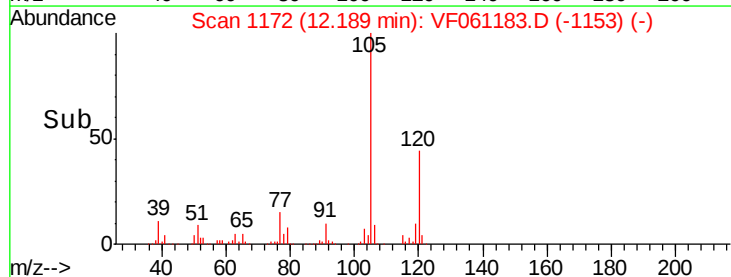
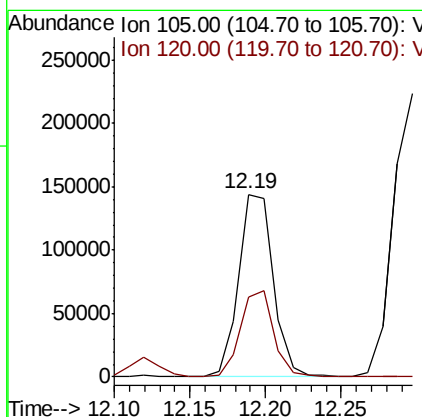
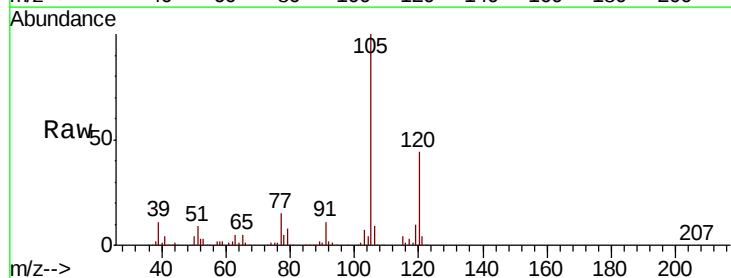
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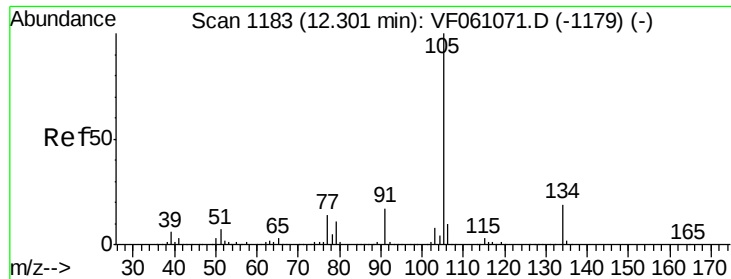
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#84
1,2,4-Trimethylbenzene
Concen: 19.834 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	229519		
120	43.6	23.6	71.0	





#85

sec-Butylbenzene

Concen: 21.140 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion:105 Resp: 329418

Ion Ratio Lower Upper

105 100

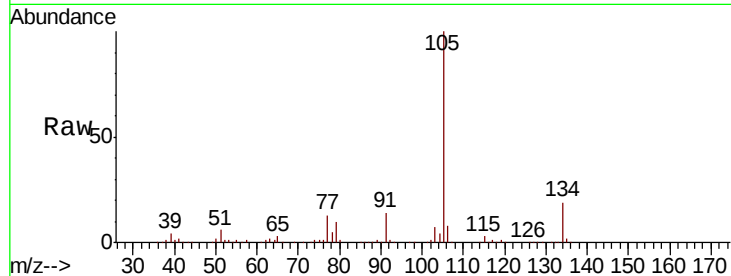
134 19.3 9.4 28.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

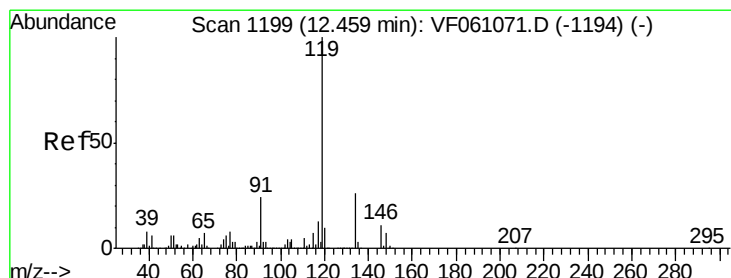
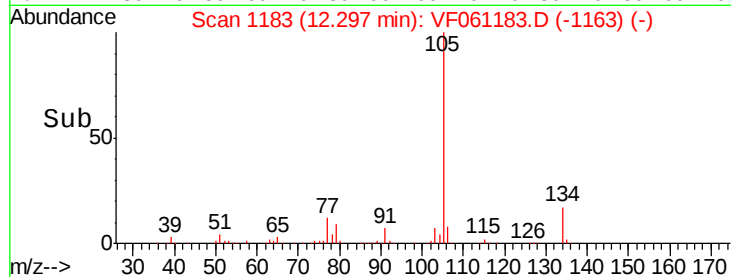
0

12.20

12.30

12.40

Time-->



#86

p-Isopropyltoluene

Concen: 20.115 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

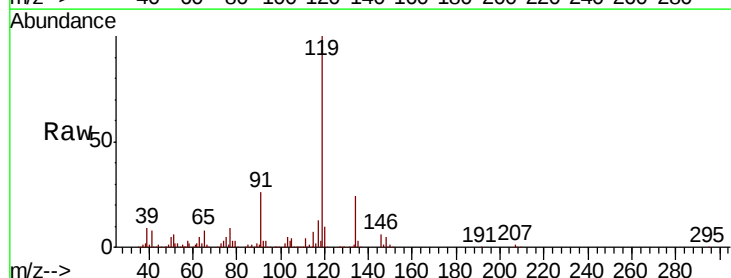
Tgt Ion:119 Resp: 260174

Ion Ratio Lower Upper

119 100

134 23.8 12.8 38.4

91 25.9 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

100000

50000

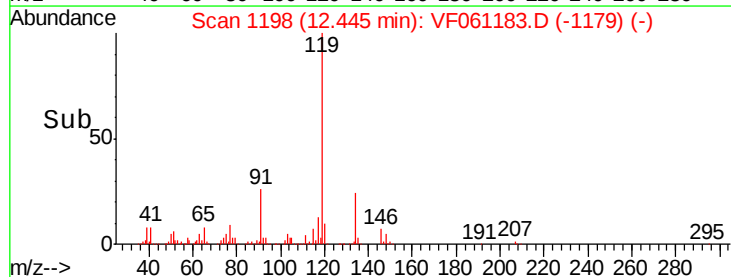
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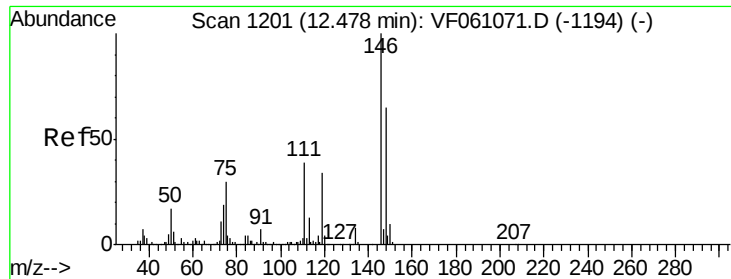
12.40

12.45

12.50

Time-->





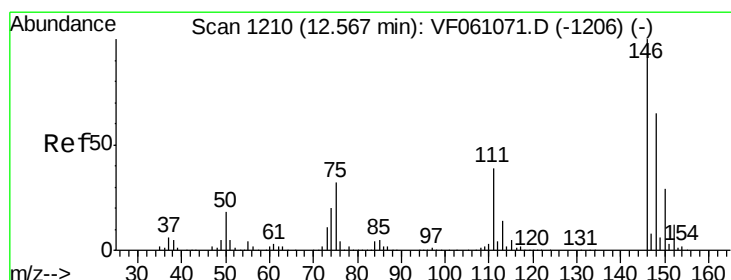
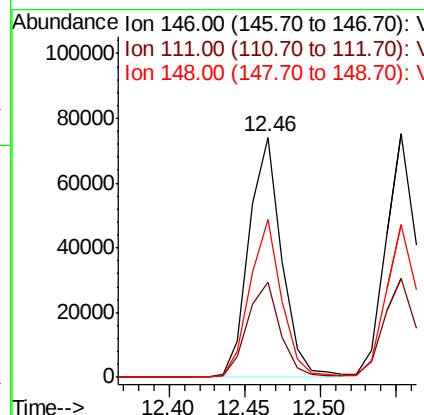
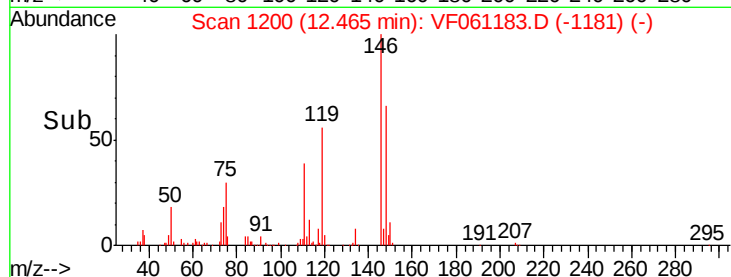
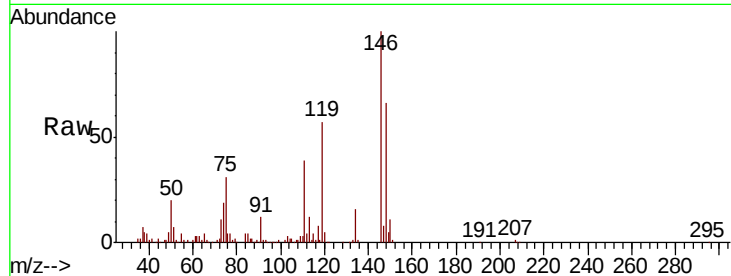
#87
 1,3-Dichlorobenzene
 Concen: 19.258 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.9
148	65.5	32.4	97.2

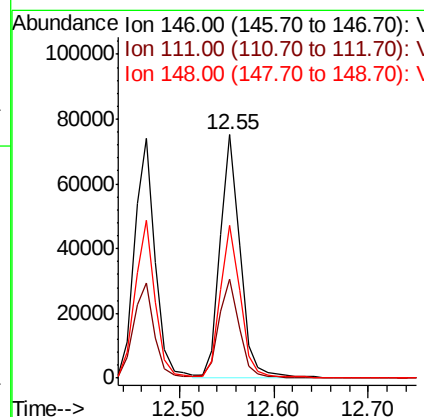
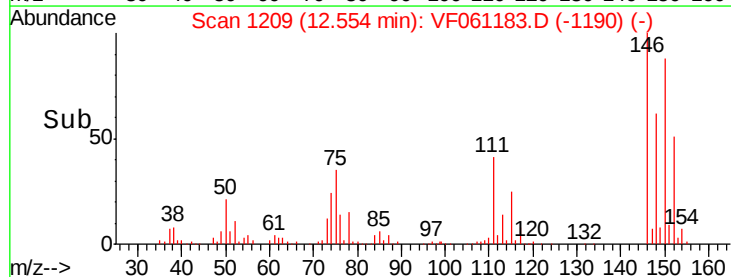
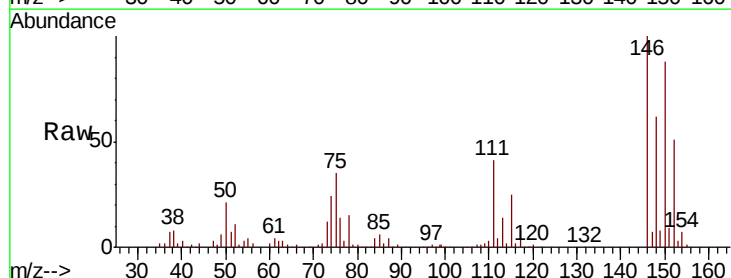
Manual Integrations
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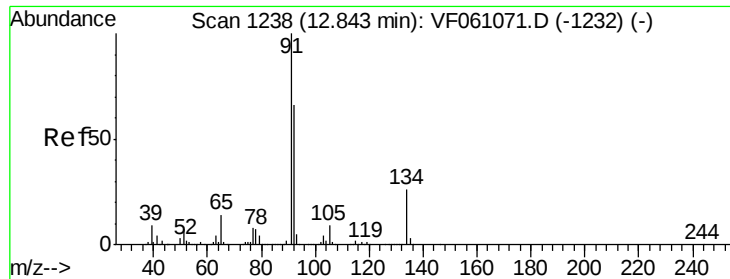
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#88
 1,4-Dichlorobenzene
 Concen: 19.788 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.4	58.4
148	62.5	32.4	97.0





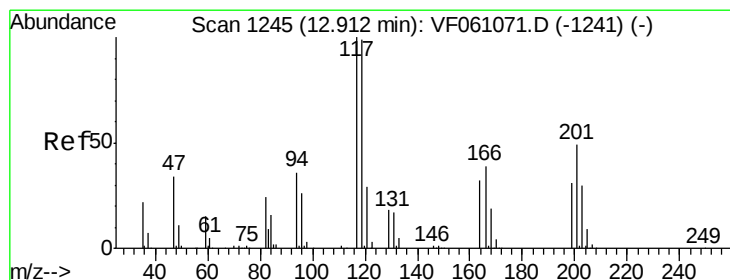
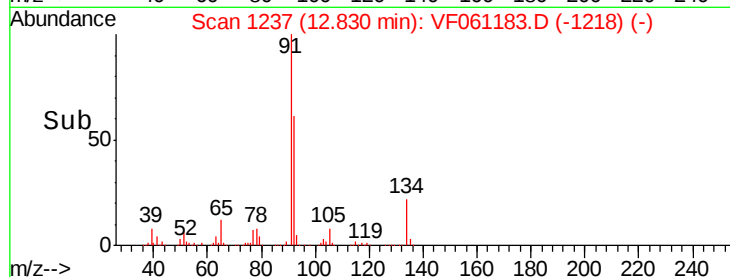
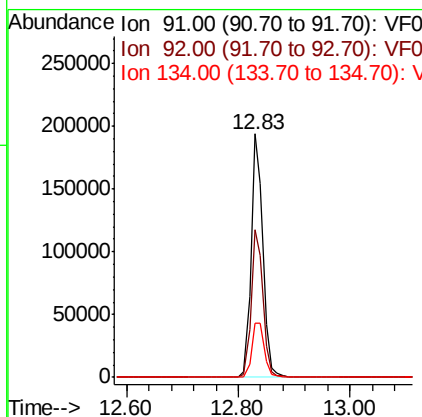
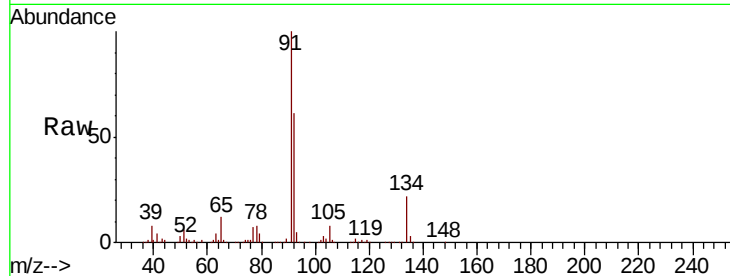
#89
n-Butylbenzene
Concen: 18.967 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	282149		
92	60.5		32.8	98.4
134	22.2		13.2	39.5

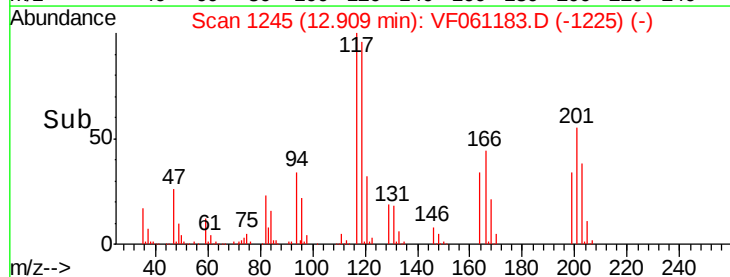
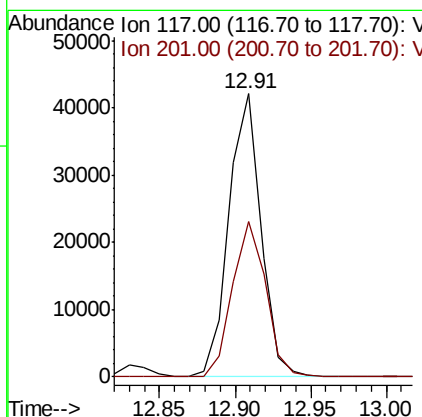
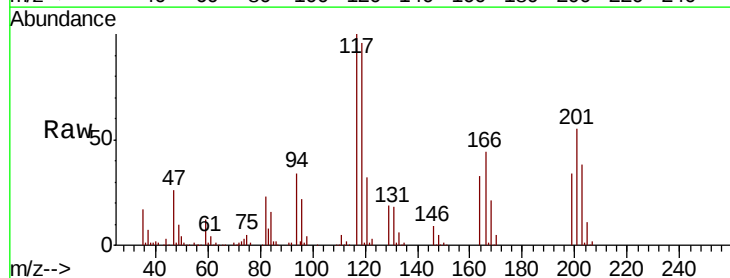
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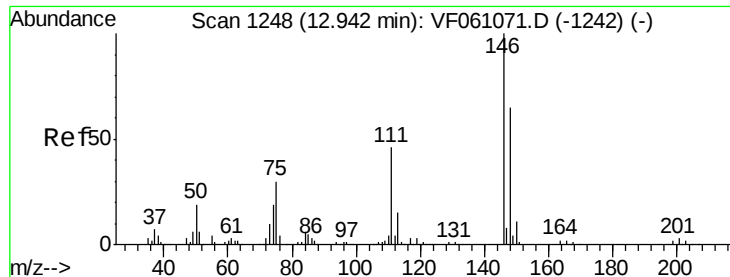
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#90
Hexachloroethane
Concen: 19.447 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62147		
201	54.9		24.9	74.8





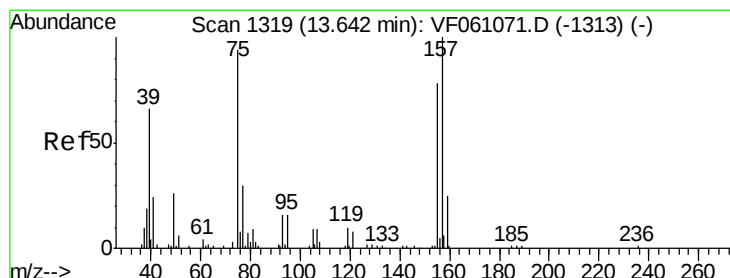
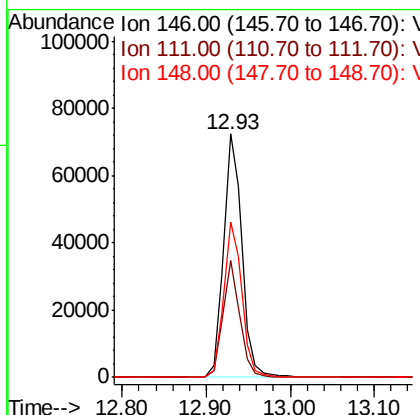
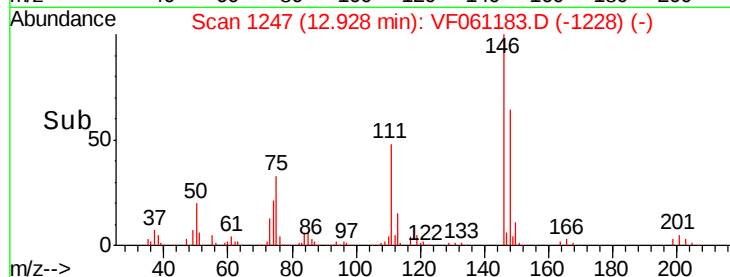
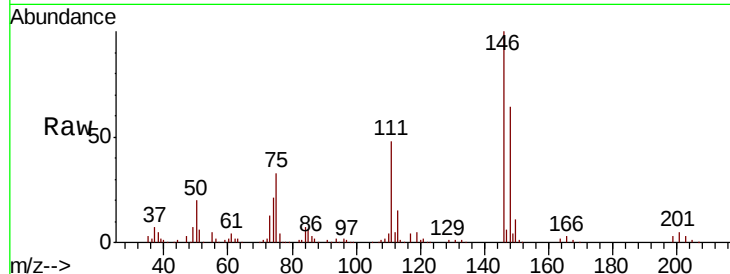
#91
 1,2-Dichlorobenzene
 Concen: 20.229 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.2	69.5
148	63.9	32.4	97.0

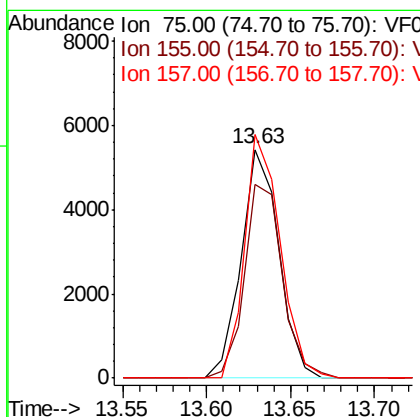
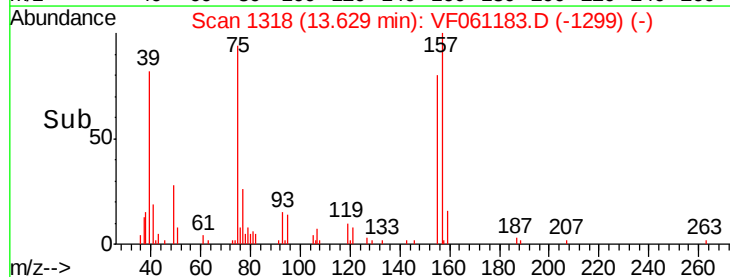
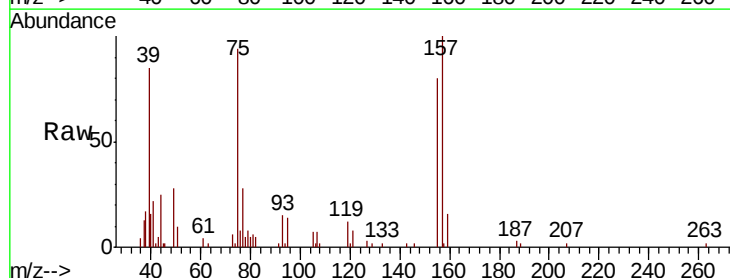
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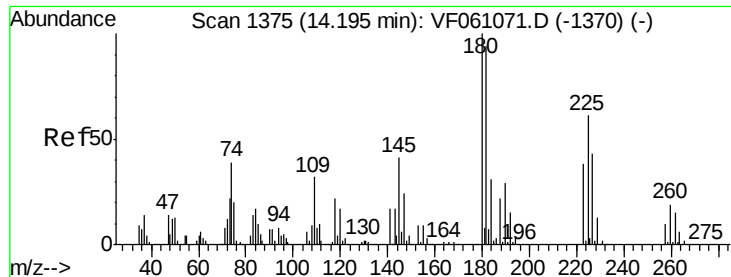
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.660 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061183.D
 Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	41.5	124.5
157	106.4	53.2	159.6





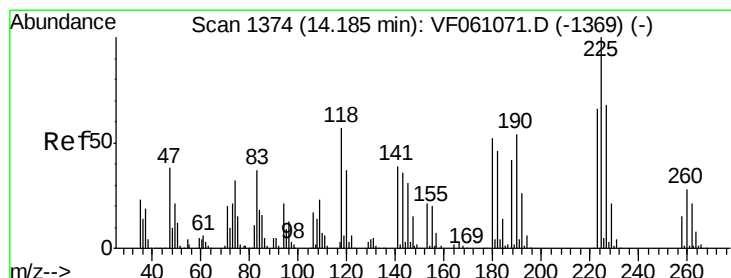
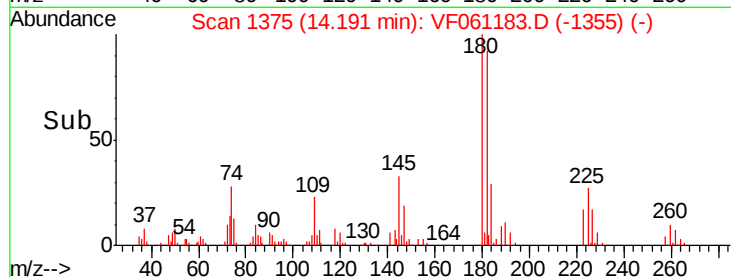
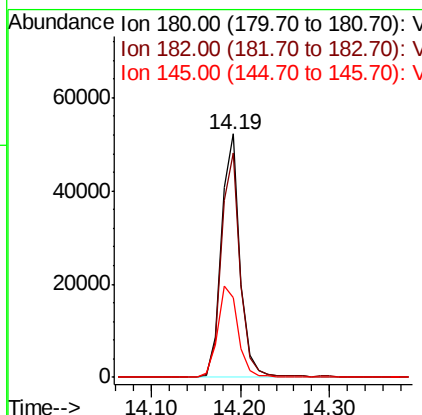
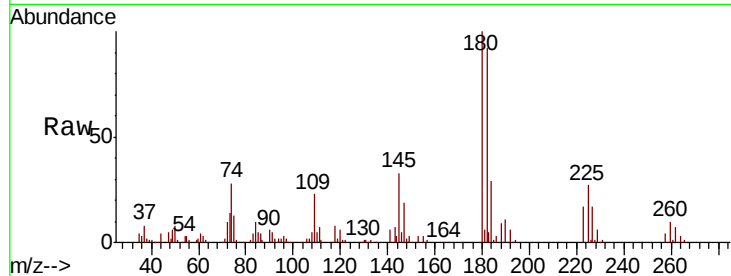
#93
1,2,4-Trichlorobenzene
Concen: 20.129 ug/l
RT: 14.19 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	46.9	140.6
145	32.9	20.5	61.6

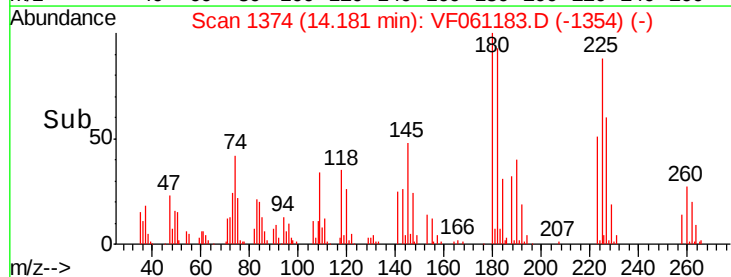
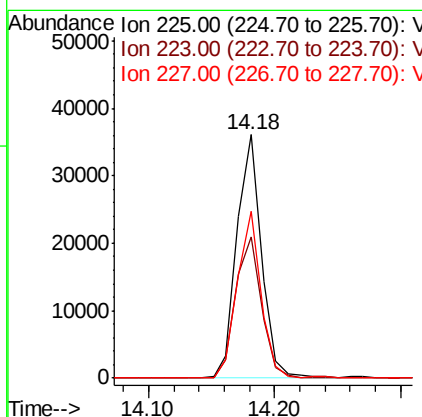
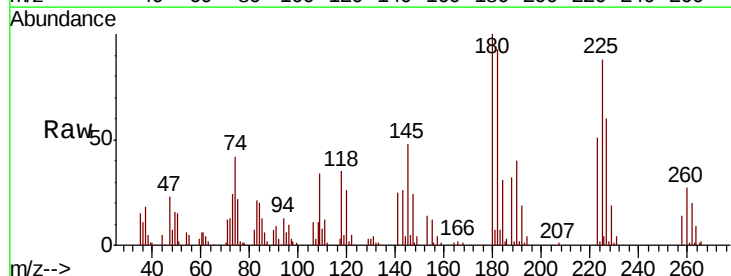
Manual Integrations
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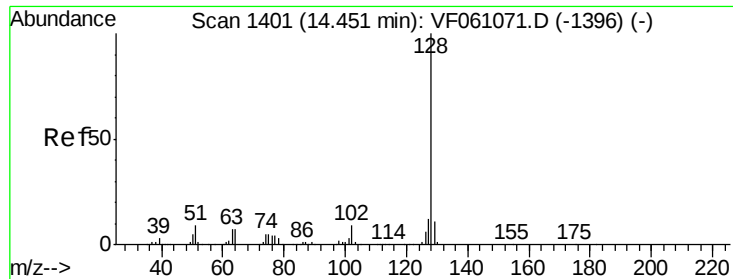
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#94
Hexachlorobutadiene
Concen: 19.797 ug/l
RT: 14.18 min Scan# 1374
Delta R.T. -0.00 min
Lab File: VF061183.D
Acq: 26 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.0	32.8	98.3
227	68.3	34.0	101.8





#95

Naphthalene

Concen: 19.492 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Instrument :

MSVOA_F

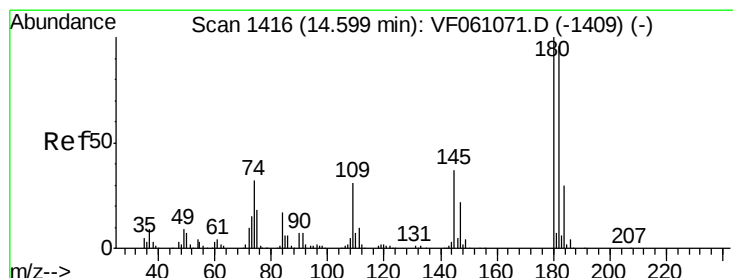
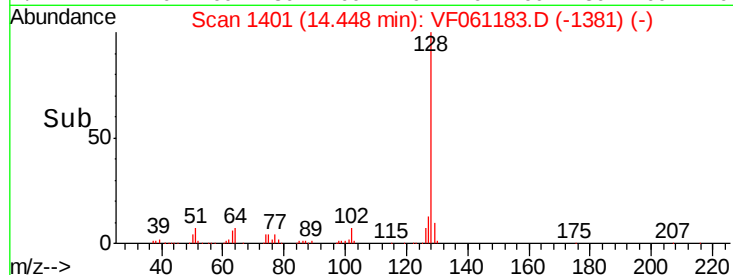
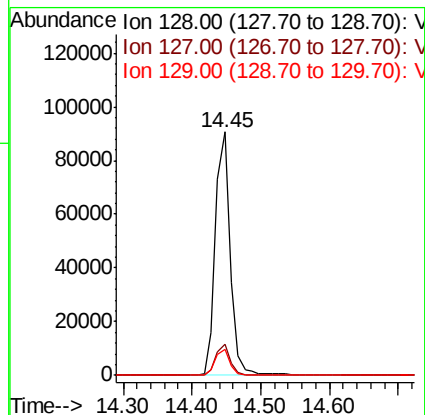
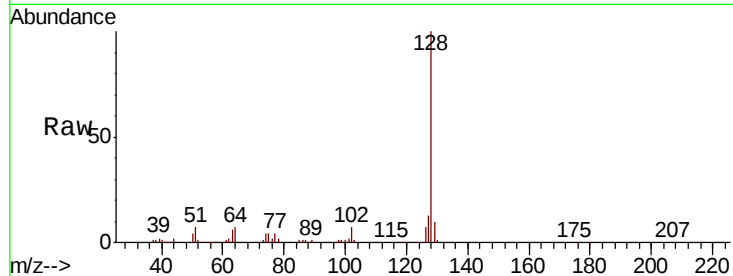
ClientSampleId :

VF1226SBSD01

Tot Ion:	128	Resp:	136900
Ion Ratio	Lower	Upper	
128	100		
127	12.6	9.4	14.2
129	10.4	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.652 ug/l

RT: 14.59 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF061183.D

Acq: 26 Dec 2018 12:44

Tgt Ion:	180	Resp:	69875
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.8
145	39.7	18.6	55.8

