

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061160.D
 Acq On : 24 Dec 2018 12:48
 Operator : VA/AP
 Sample : VF1224SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBSD01

Manual Integrations
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 12/27/2018 12:57:38 PM

Quant Time: Dec 25 04:58:17 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	4.87	168	211402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	375154	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	336579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	170013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	121691	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
35) Dibromofluoromethane	4.11	113	145469	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	7.55	98	391947	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
62) 4-Bromofluorobenzene	11.41	95	177344	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	80283	17.084	ug/l	98
3) Chloromethane	1.09	50	57432	21.335	ug/l	96
4) Vinyl Chloride	1.14	62	53105	21.267	ug/l	96
5) Bromomethane	1.32	94	31936	18.439	ug/l	90
6) Chloroethane	1.39	64	22728	19.753	ug/l #	78
7) Trichlorofluoromethane	1.48	101	85387	17.909	ug/l	94
8) Diethyl Ether	1.62	74	13502	20.680	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	46551	18.830	ug/l	90
10) Methyl Iodide	1.91	142	75313m	19.327	ug/l	
11) Tert butyl alcohol	2.58	59	10233	93.263	ug/l	94
12) 1,1-Dichloroethene	1.79	96	36894	19.798	ug/l	97
13) Acrolein	2.00	56	6886m	86.851	ug/l	
14) Allyl chloride	2.09	41	49692	25.624	ug/l	94
15) Acrylonitrile	2.94	53	29210	115.126	ug/l	93
16) Acetone	2.24	43	52730	97.009	ug/l #	87
17) Carbon Disulfide	1.82	76	111963m	19.881	ug/l	
18) Methyl Acetate	2.34	43	28739m	25.556	ug/l	
19) Methyl tert-butyl Ether	2.43	73	82555	19.959	ug/l	94
20) Methylene Chloride	2.27	84	54290m	29.406	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	40221m	20.180	ug/l	
22) Diisopropyl ether	2.80	45	132056	20.443	ug/l	99
23) Vinyl Acetate	3.18	43	335775	112.674	ug/l	98
24) 1,1-Dichloroethane	2.87	63	77005	20.119	ug/l	98
25) 2-Butanone	4.34	43	102835	116.653	ug/l	94
26) 2,2-Dichloropropane	3.60	77	45714	20.813	ug/l	100
27) cis-1,2-Dichloroethene	3.47	96	61710	20.224	ug/l	92
28) Bromochloromethane	3.72	49	44278	22.800	ug/l	93
29) Tetrahydrofuran	4.07	42	41745	116.347	ug/l	98
30) Chloroform	3.86	83	110408	19.239	ug/l	98
31) Cyclohexane	3.69	56	91392m	23.012	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	63681	18.513	ug/l	95
36) 1,1-Dichloropropene	4.28	75	86137	19.022	ug/l	98
37) Ethyl Acetate	4.11	43	37146	18.949	ug/l	97
38) Carbon Tetrachloride	3.99	117	61811	17.924	ug/l	86

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	85909	21.147	ug/l	99
40) Benzene	4.63	78	192101	19.726	ug/l	95
41) Methacrylonitrile	4.75	41	21322	22.295	ug/l	96
42) 1,2-Dichloroethane	4.95	62	60263	16.290	ug/l	96
43) Isopropyl Acetate	6.96	43	42219	19.309	ug/l	95
44) Trichloroethene	5.50	130	61049	19.884	ug/l	97
45) 1,2-Dichloropropane	6.23	63	52988	20.000	ug/l #	88
46) Dibromomethane	6.09	93	32179	18.726	ug/l	98
47) Bromodichloromethane	6.39	83	81327	18.215	ug/l	99
48) Methyl methacrylate	6.72	41	26632	17.447	ug/l	94
49) 1,4-Dioxane	6.71	88	3785	341.739	ug/l #	72
51) 4-Methyl-2-Pentanone	8.26	43	159734	106.520	ug/l	99
52) Toluene	7.62	92	122470	18.999	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	68899	19.129	ug/l	95
54) cis-1,3-Dichloropropene	7.31	75	81906	18.118	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	37005	19.149	ug/l	89
56) Ethyl methacrylate	8.63	69	41375	19.786	ug/l	97
57) 1,3-Dichloropropane	8.86	76	63532	18.177	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	41305	102.848	ug/l	96
59) 2-Hexanone	9.50	43	116209	107.159	ug/l	96
60) Dibromochloromethane	8.72	129	47677	17.211	ug/l	89
61) 1,2-Dibromoethane	8.99	107	39176	18.982	ug/l	98
64) Tetrachloroethene	8.15	164	52348	20.218	ug/l	92
65) Chlorobenzene	9.80	112	137964	19.842	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	55493	19.529	ug/l	97
67) Ethyl Benzene	9.90	91	255967	20.207	ug/l	97
68) m/p-Xylenes	10.14	106	176966	39.696	ug/l	100
69) o-Xylene	10.72	106	100416	20.310	ug/l	86
70) Styrene	10.79	104	137836	19.942	ug/l	99
71) Bromoform	10.78	173	25263	19.217	ug/l	99
73) Isopropylbenzene	11.12	105	292099	19.937	ug/l	99
74) N-amyl acetate	11.37	43	72512	22.293	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	52215	21.474	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	35604	19.675	ug/l	94
77) Bromobenzene	11.50	156	57944	18.373	ug/l	90
78) n-propylbenzene	11.60	91	357306	18.681	ug/l	100
79) 2-Chlorotoluene	11.73	91	198504	19.751	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	236168	19.576	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	16245m	20.892	ug/l	
82) 4-Chlorotoluene	11.90	91	195563	18.810	ug/l	100
83) tert-Butylbenzene	12.13	119	243941	19.650	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	229104	19.044	ug/l	99
85) sec-Butylbenzene	12.31	105	326358	20.145	ug/l	98
86) p-Isopropyltoluene	12.47	119	272878	20.293	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	115272	19.068	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	106658	18.417	ug/l	96
89) n-Butylbenzene	12.85	91	284215	18.340	ug/l	98
90) Hexachloroethane	12.92	117	64057	19.281	ug/l	97
91) 1,2-Dichlorobenzene	12.95	146	109750	19.465	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8113	18.182	ug/l	86

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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	14.20	180	77263	19.322	ug/l	94
94) Hexachlorobutadiene	14.19	225	46660	18.321	ug/l	96
95) Naphthalene	14.46	128	136628	18.712	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	72550	19.626	ug/l	96

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

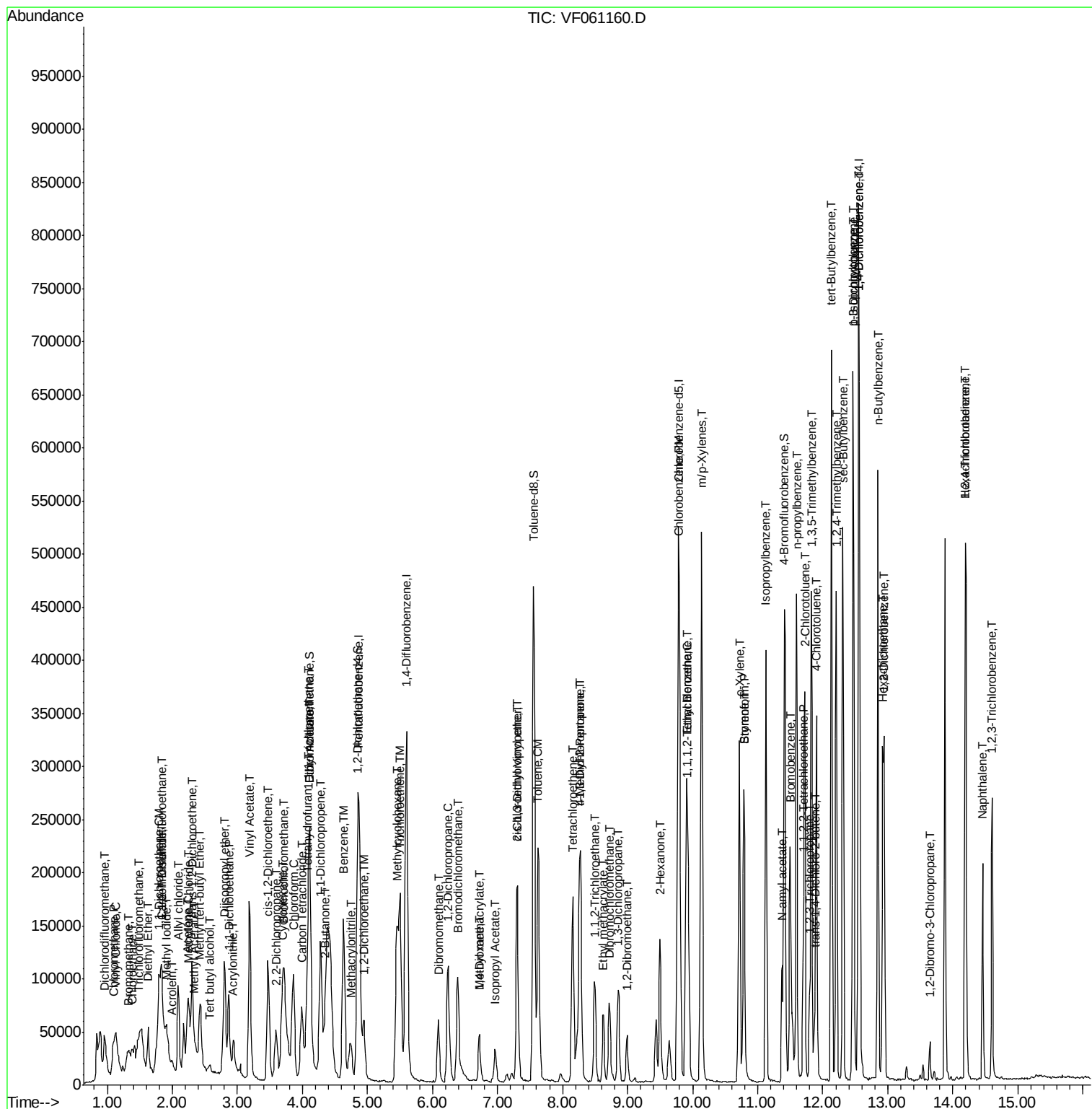
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 Data File : VF061160.D
 Acq On : 24 Dec 2018 12:48
 Operator : VA/AP
 Sample : VF1224SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

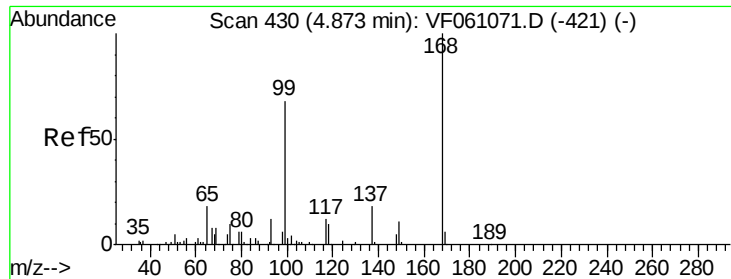
Instrument :
 MSVOA_F
 Client Sample ID :
 VF1224SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion:168 Resp: 211402

Ion Ratio Lower Upper

168 100

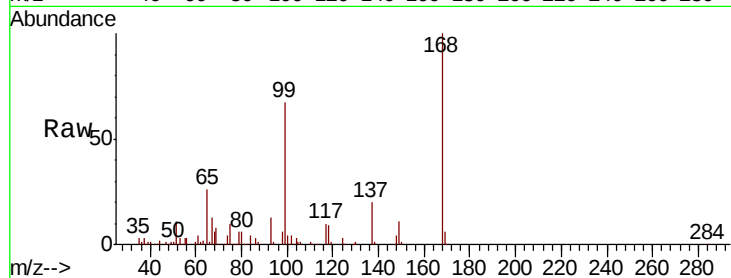
99 66.5 54.4 81.6

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

4.87

60000

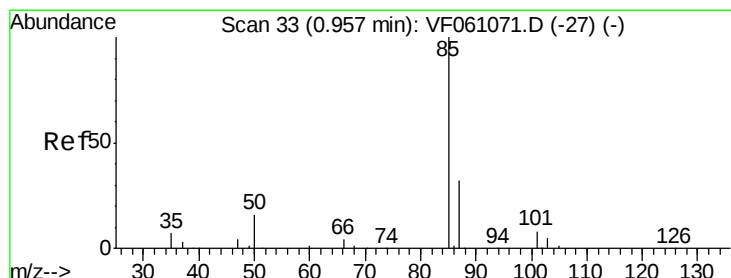
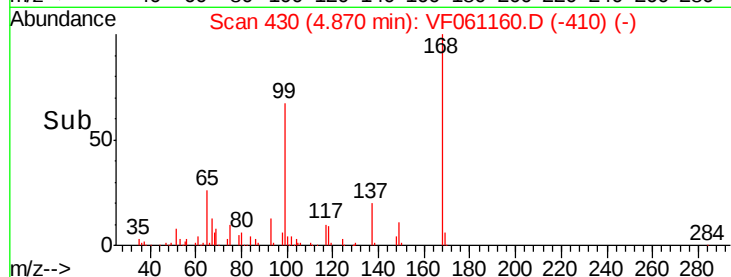
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 17.084 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061160.D

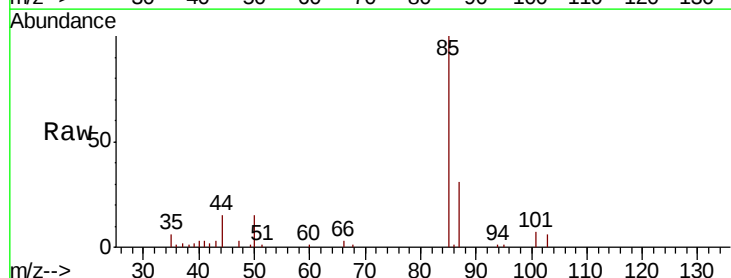
Acq: 24 Dec 2018 12:48

Tgt Ion: 85 Resp: 80283

Ion Ratio Lower Upper

85 100

87 30.6 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

20000

15000

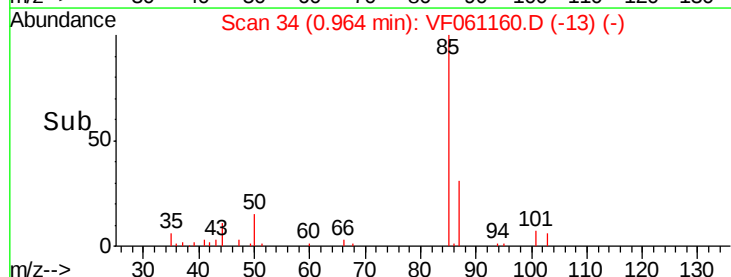
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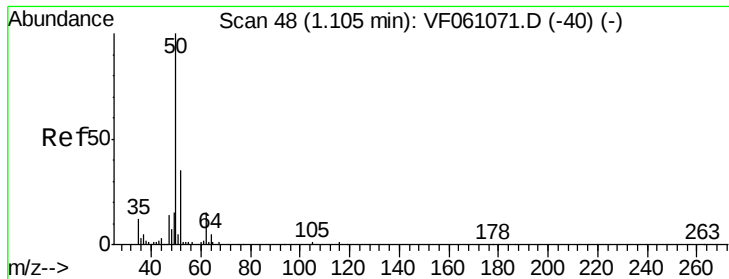
5000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 21.335 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 50 Resp: 57432

Ion Ratio Lower Upper

50 100

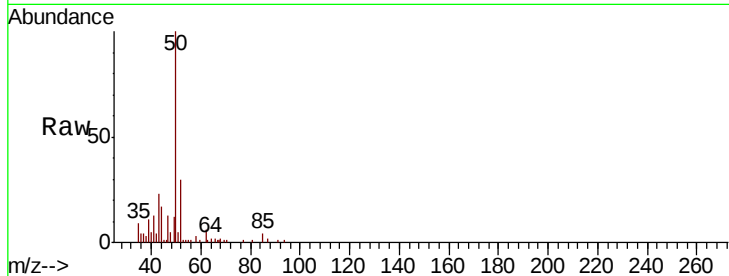
52 30.4 26.3 39.5

Manual Integrations

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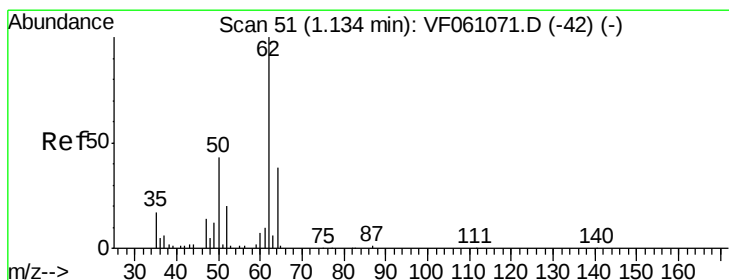
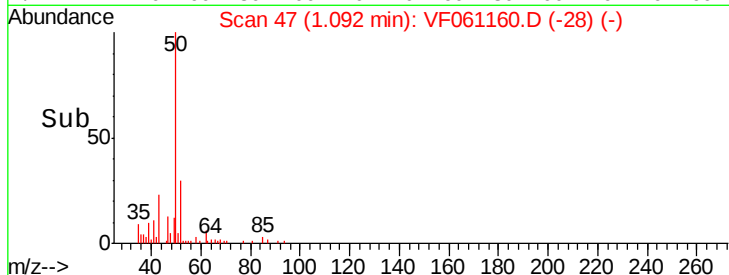
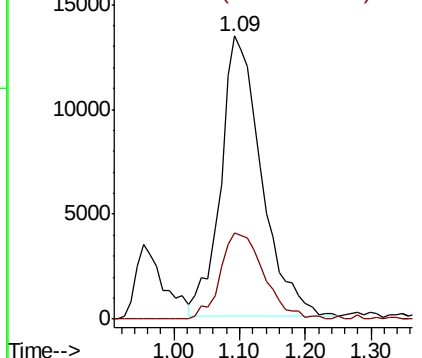
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.267 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061160.D

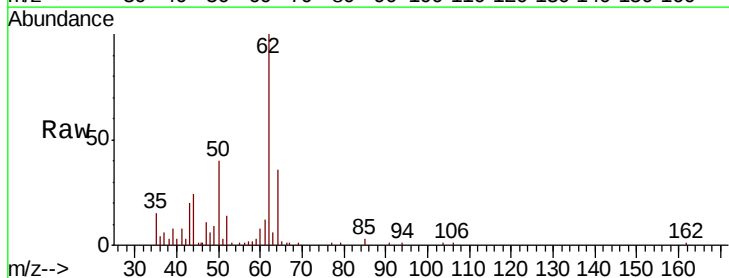
Acq: 24 Dec 2018 12:48

Tgt Ion: 62 Resp: 53105

Ion Ratio Lower Upper

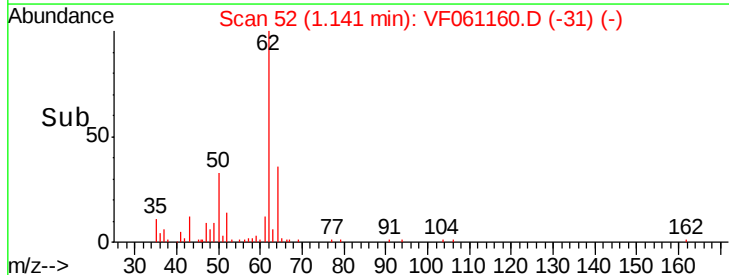
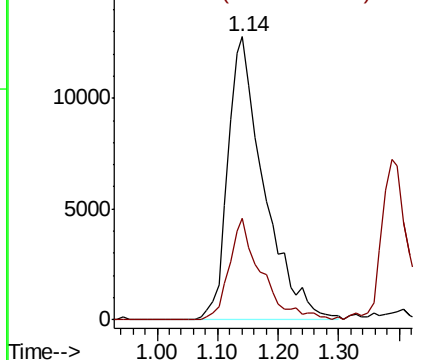
62 100

64 35.8 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: 18.439 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 94 Resp: 31936

Ion Ratio Lower Upper

94 100

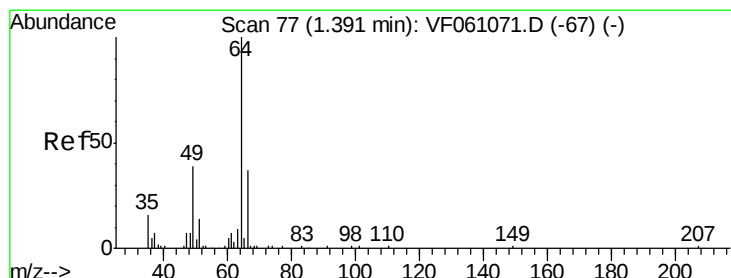
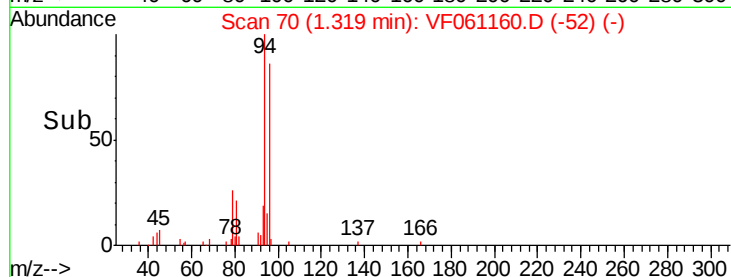
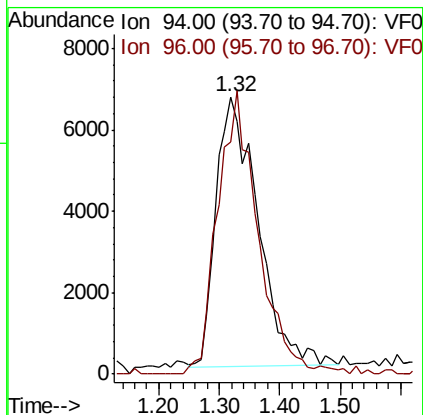
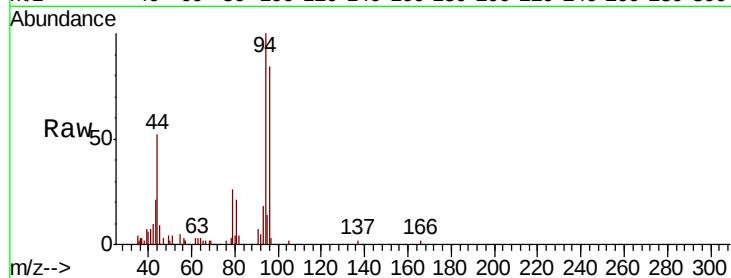
96 83.6 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 19.753 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061160.D

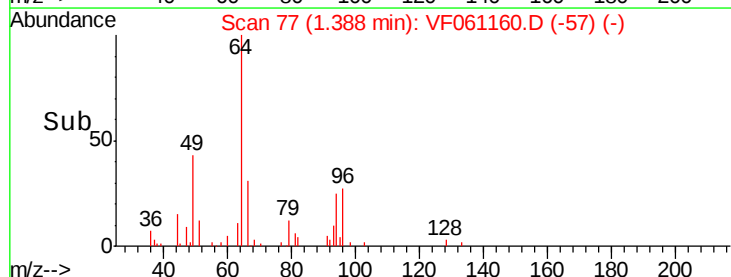
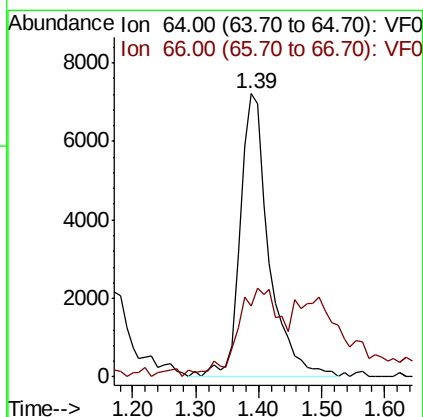
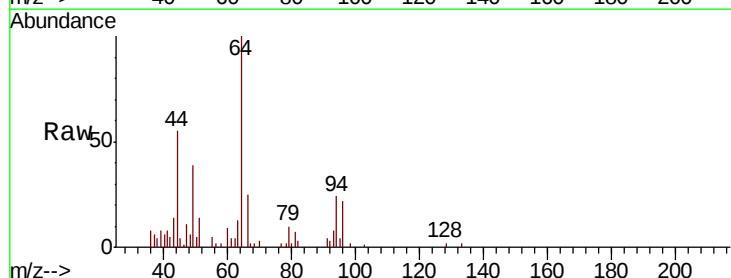
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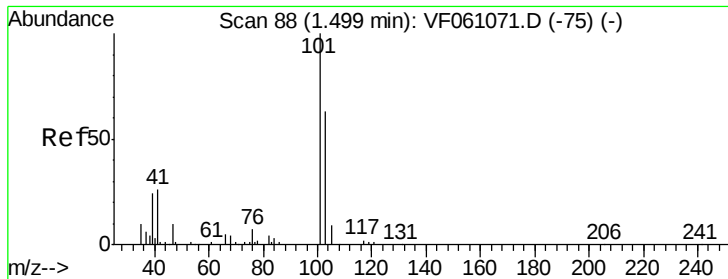
Tgt Ion: 64 Resp: 22728

Ion Ratio Lower Upper

64 100

66 25.3 30.9 46.3#





#7

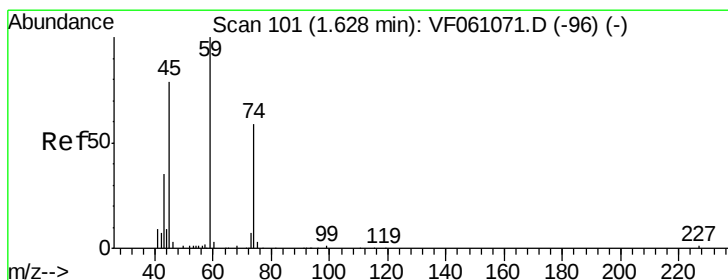
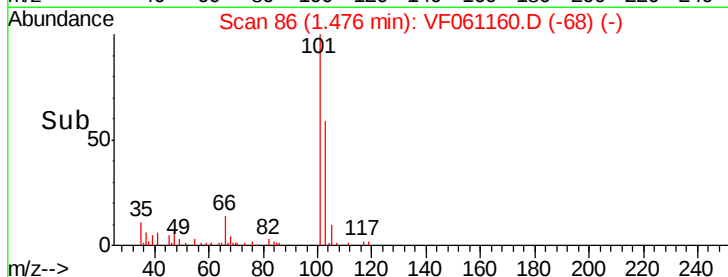
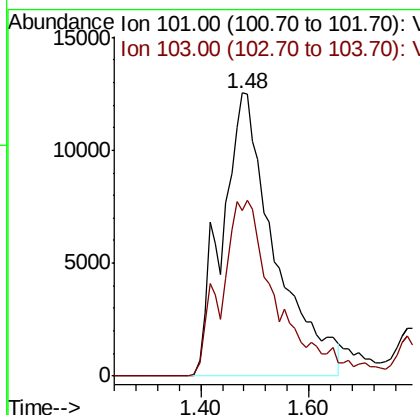
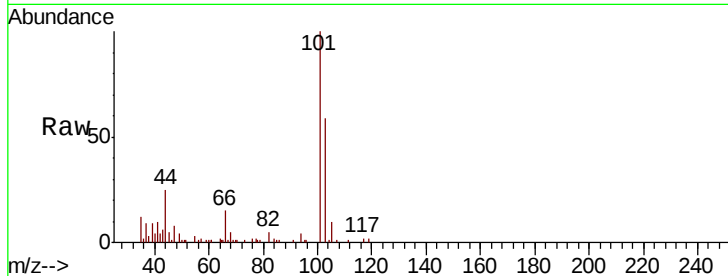
Trichlorofluoromethane
 Concen: 17.909 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.02 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion:101 Resp: 85387
 Ion Ratio Lower Upper
 101 100
 103 58.7 50.7 76.1

Manual Integrations
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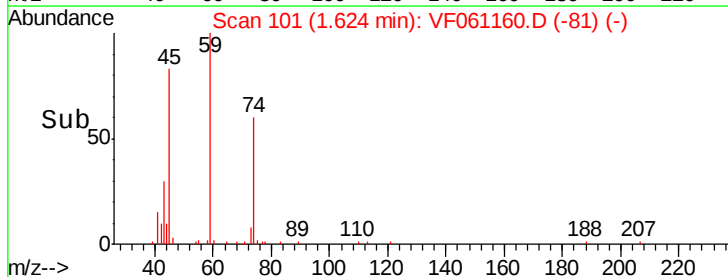
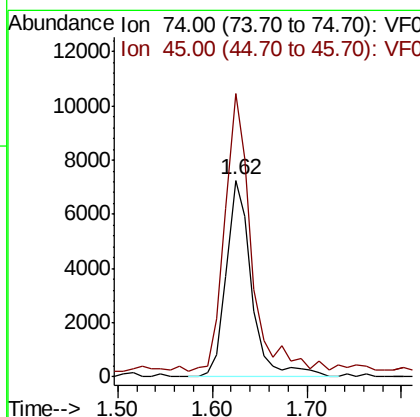
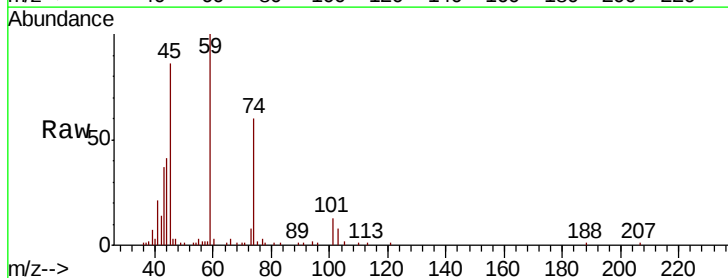
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#8

Diethyl Ether
 Concen: 20.680 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Tgt Ion: 74 Resp: 13502
 Ion Ratio Lower Upper
 74 100
 45 143.8 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.830 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

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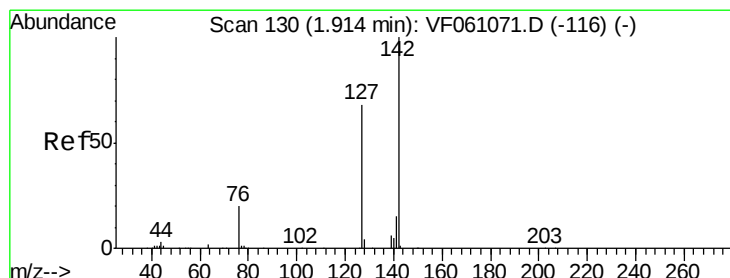
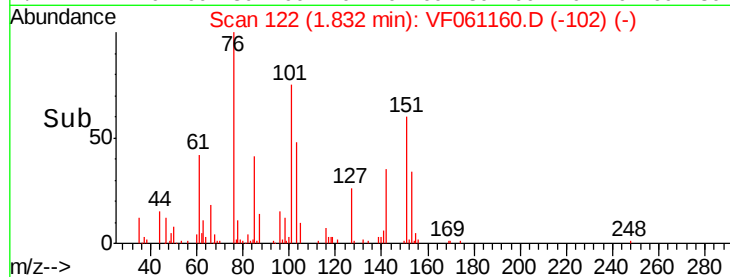
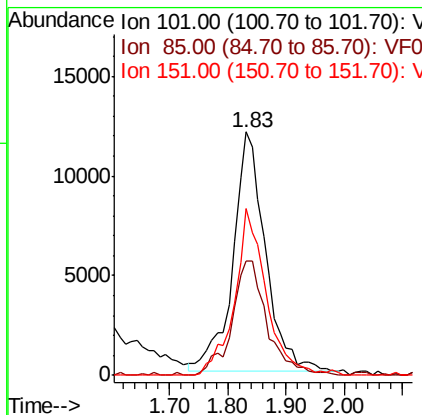
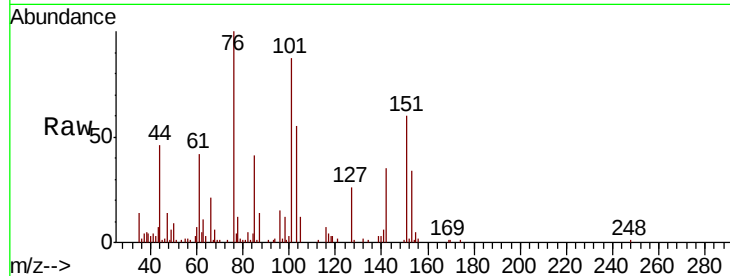
ClientSampleId :

VF1224SBS01

Tot Ion:	101	Resp:	46551
Ion Ratio	Lower	Upper	
101	100		
85	46.9	44.5	66.7
151	68.6	49.9	74.9

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#10

Methyl Iodide

Concen: 19.327 ug/l m

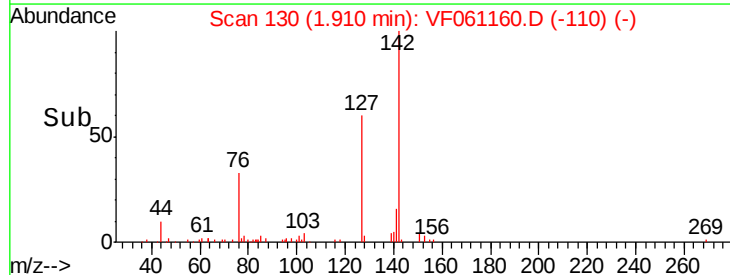
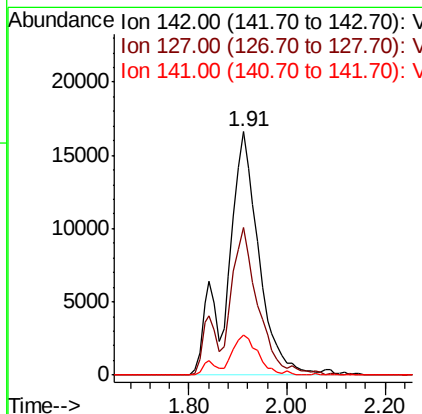
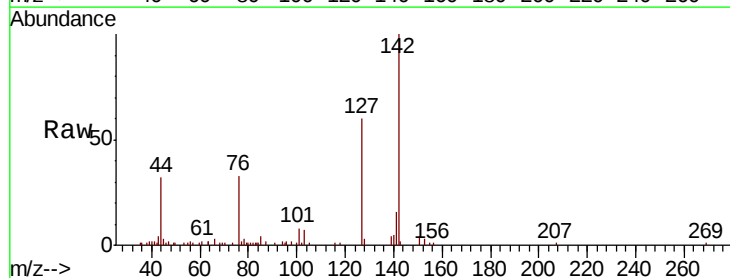
RT: 1.91 min Scan# 130

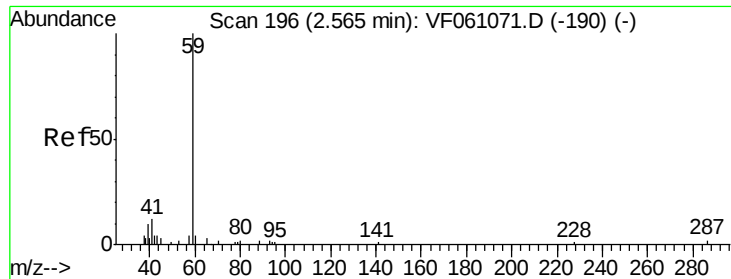
Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Tgt Ion:	142	Resp:	75313
Ion Ratio	Lower	Upper	
142	100		
127	60.5	54.7	82.1
141	16.4	12.2	18.2





#11

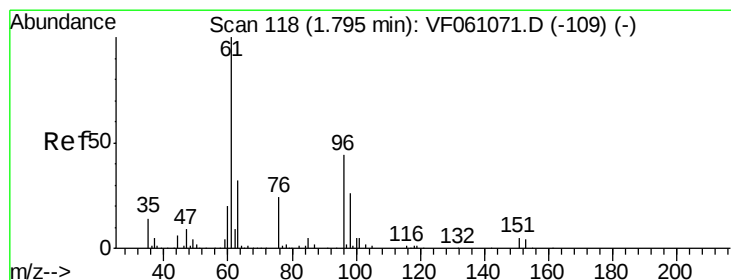
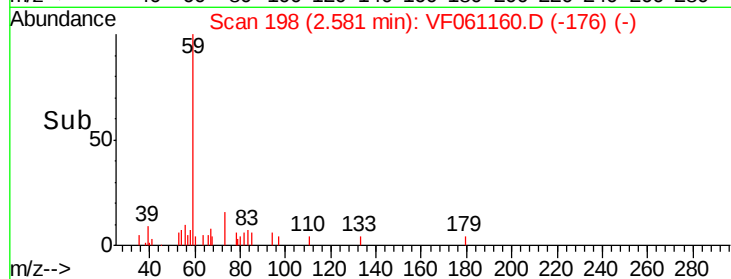
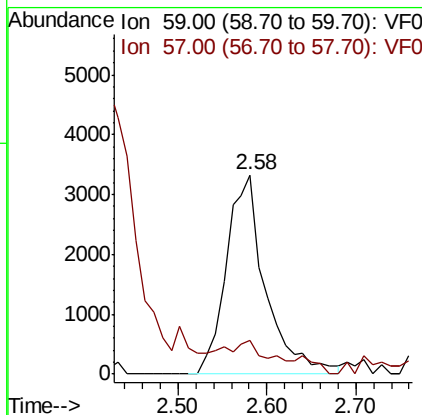
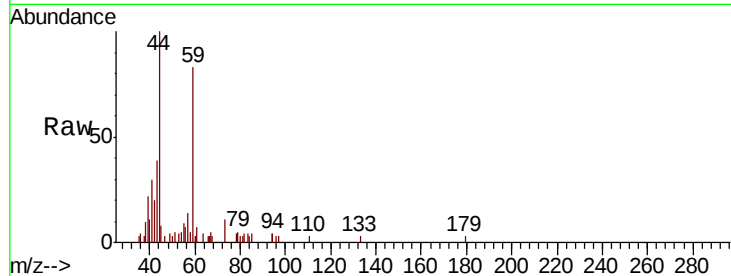
Tert butyl alcohol
Concen: 93.263 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	17.0	11.5	17.3

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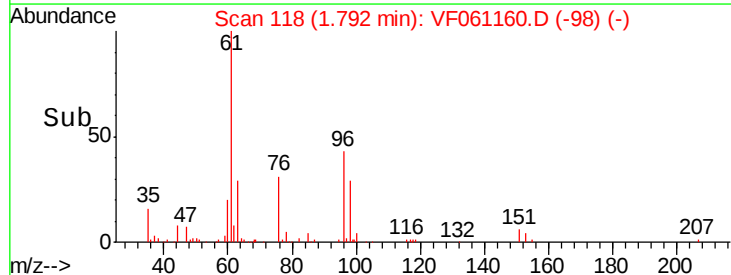
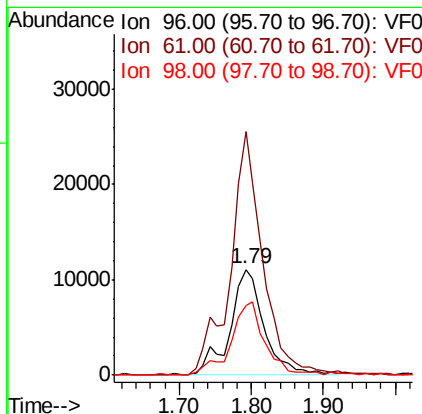
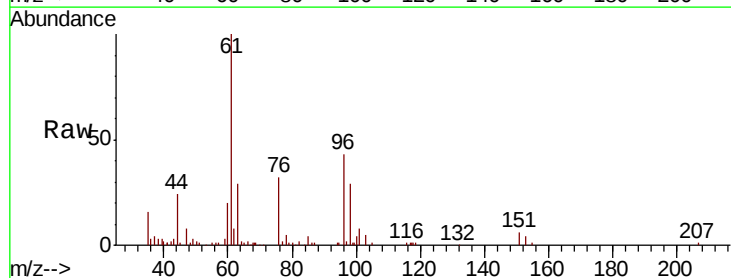
apatel
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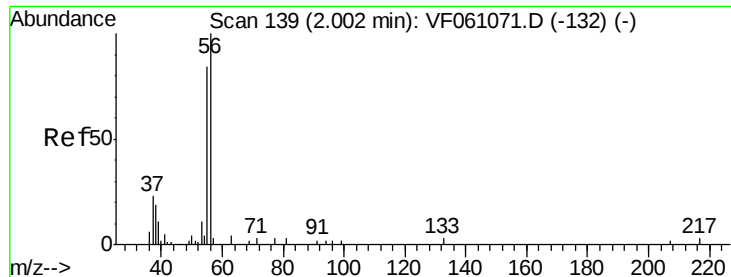


#12

1,1-Dichloroethene
Concen: 19.798 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	230.0	182.0	273.0
98	66.1	46.5	69.7





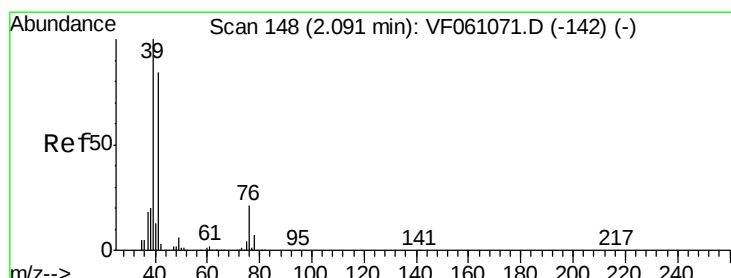
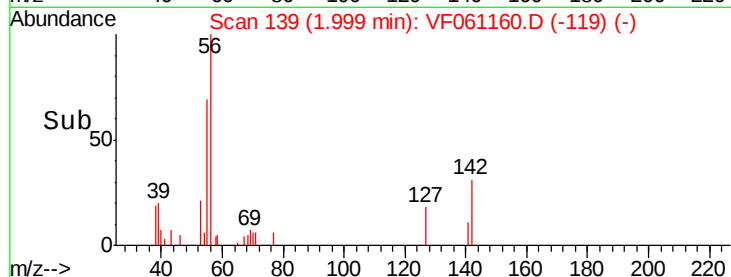
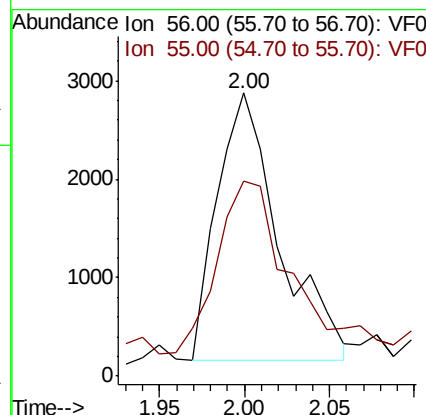
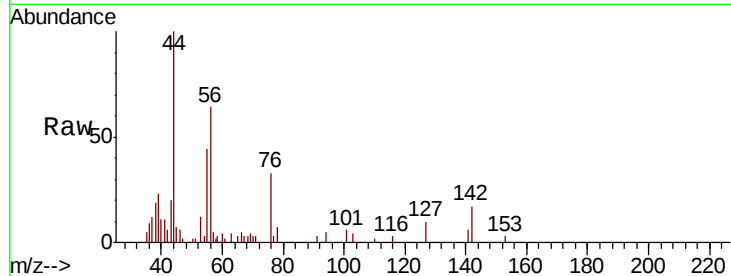
#13
Acrolein
Concen: 86.851 ug/l m
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion: 56 Resp: 6886
Ion Ratio Lower Upper
56 100
55 68.8 70.2 105.2#

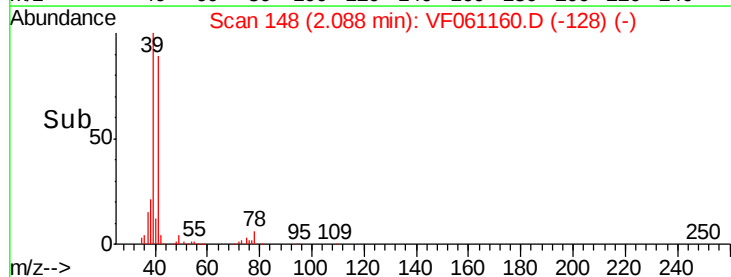
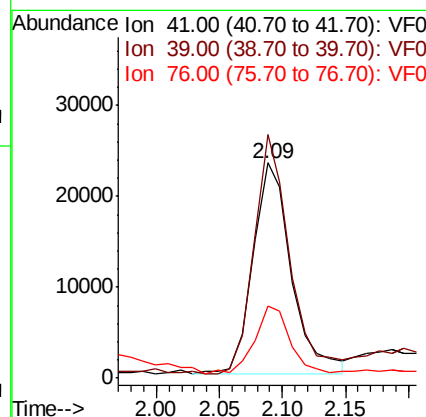
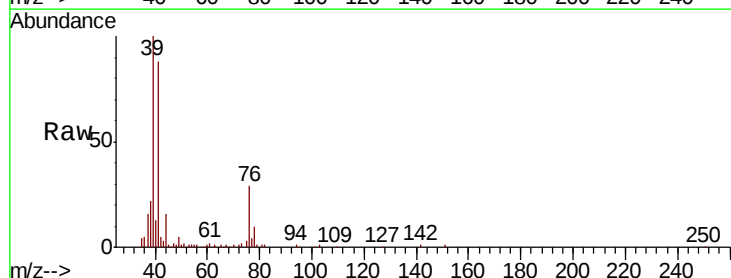
Manual Integrations
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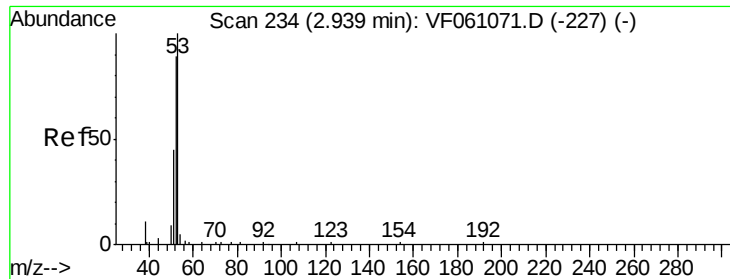
apatel
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#14
Allyl chloride
Concen: 25.624 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion: 41 Resp: 49692
Ion Ratio Lower Upper
41 100
39 113.0 96.4 144.6
76 33.3 25.4 38.0





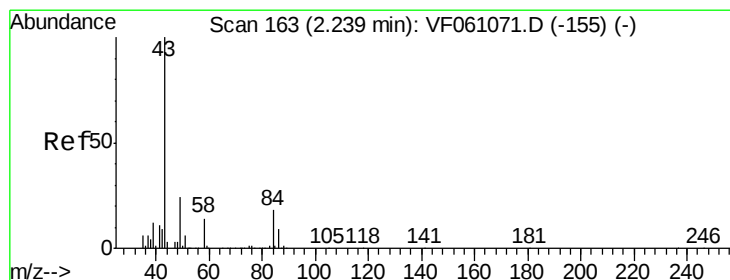
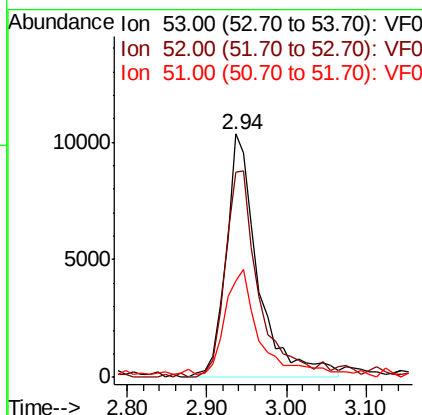
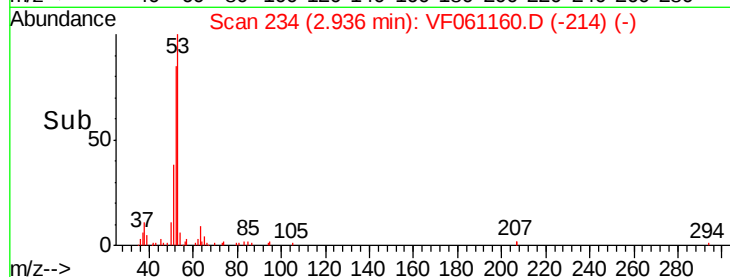
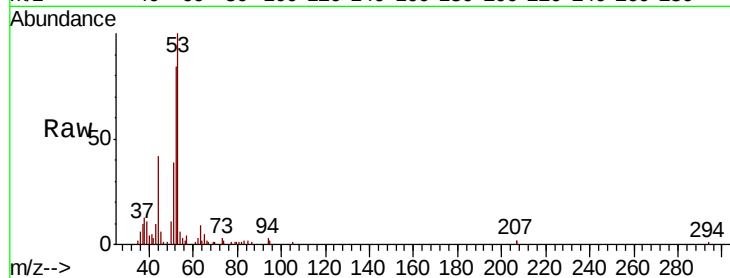
#15
 Acrylonitrile
 Concen: 115.126 ug/l
 RT: 2.94 min Scan# 234
 Delta R.T. -0.00 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion:	53	Resp:	29210
Ion	Ratio	Lower	Upper
53	100		
52	84.4	71.3	106.9
51	39.5	36.8	55.2

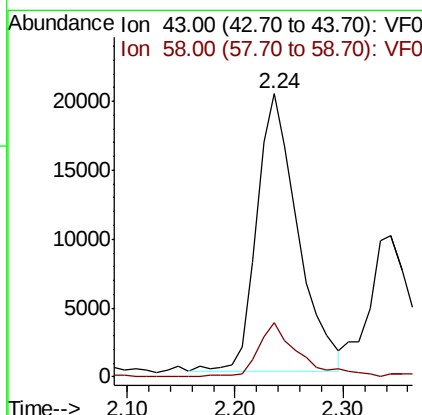
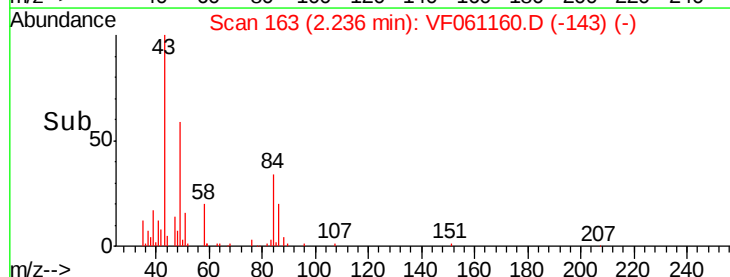
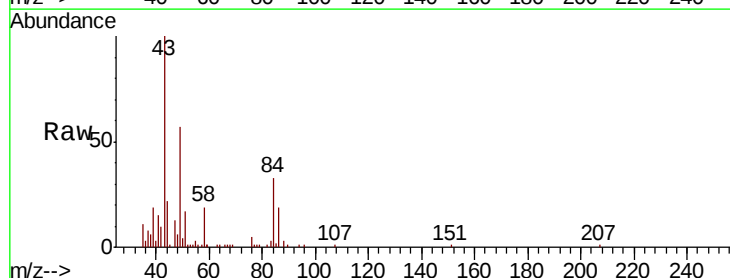
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#16
 Acetone
 Concen: 97.009 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. -0.00 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Tgt Ion:	43	Resp:	52730
Ion	Ratio	Lower	Upper
43	100		
58	19.2	11.1	16.7#





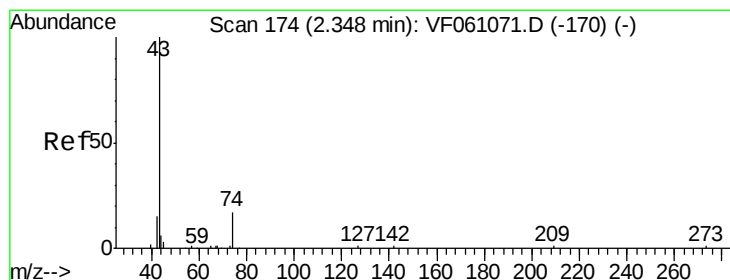
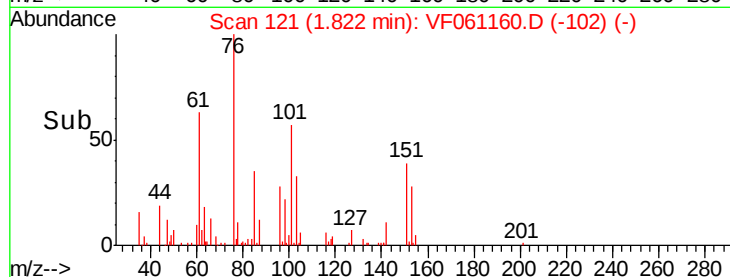
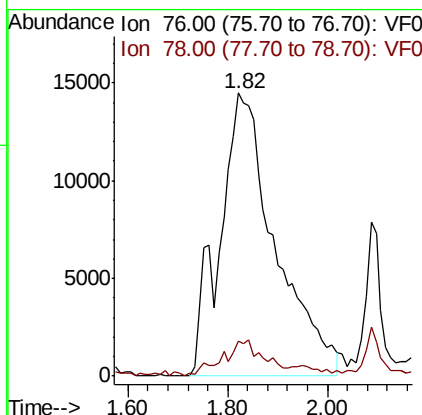
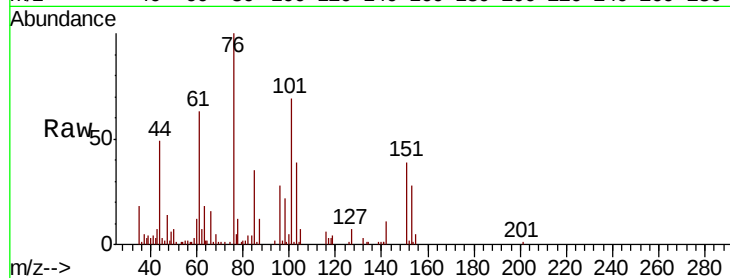
#17
Carbon Disulfide
Concen: 19.881 ug/l m
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion: 76 Resp: 111963
Ion Ratio Lower Upper
76 100
78 12.3 10.2 15.4

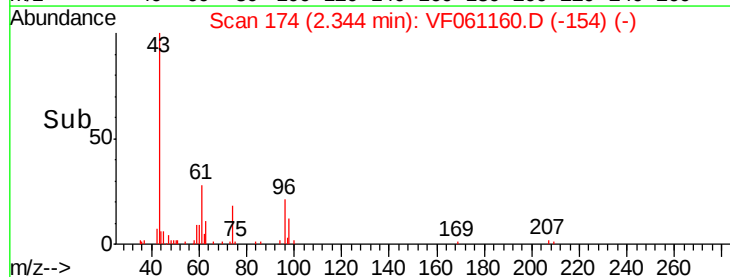
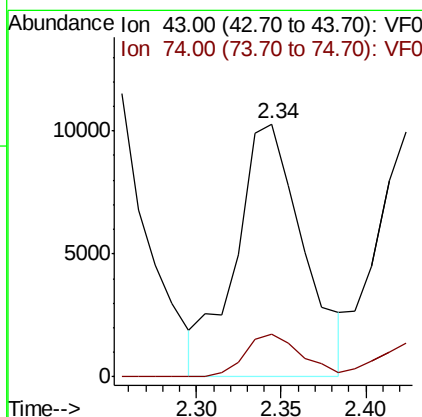
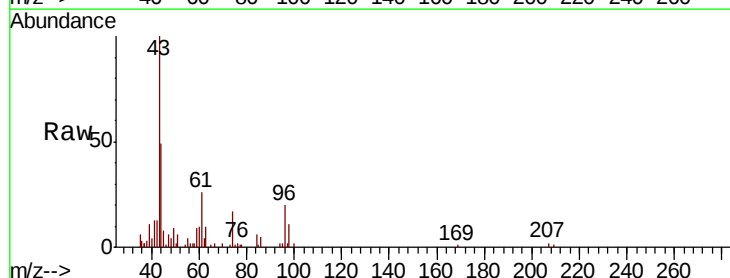
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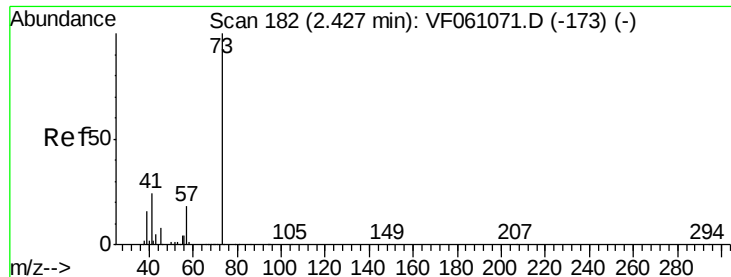
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#18
Methyl Acetate
Concen: 25.556 ug/l m
RT: 2.34 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion: 43 Resp: 28739
Ion Ratio Lower Upper
43 100
74 17.0 11.0 16.6#





#19

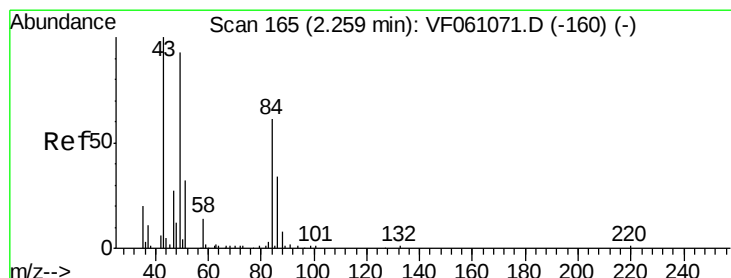
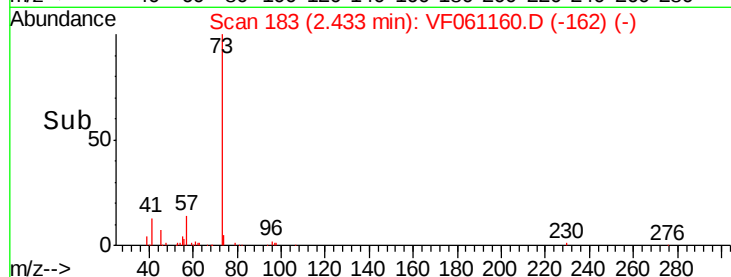
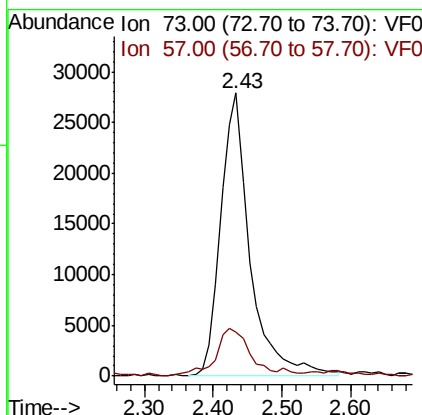
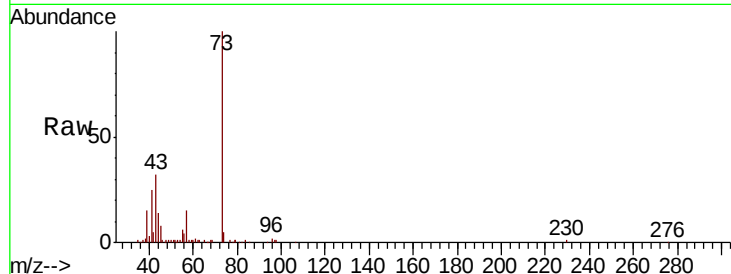
Methyl tert-butyl Ether
 Concen: 19.959 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.3	14.5	21.7

Manual Integrations
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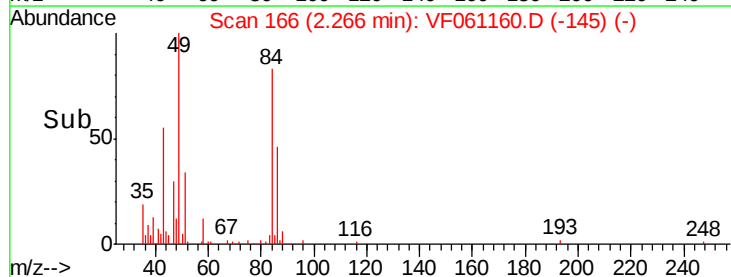
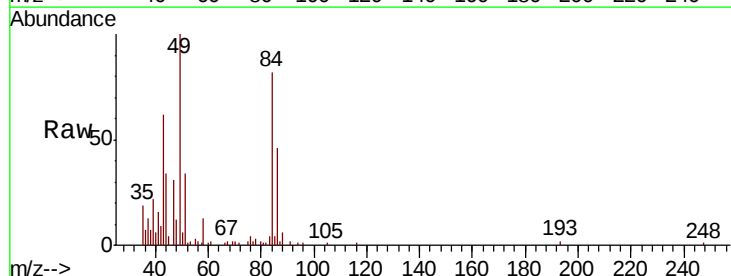
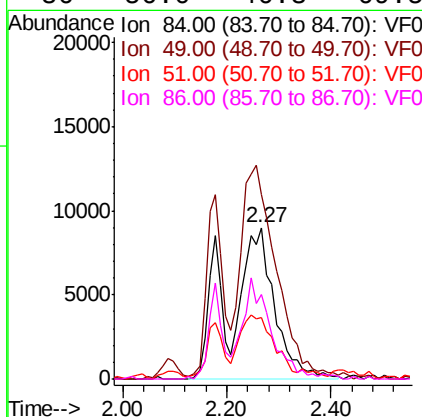
apatel
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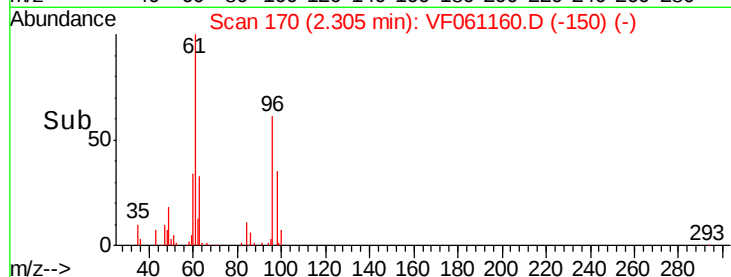
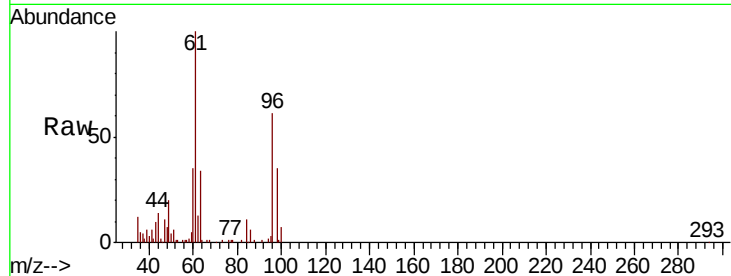
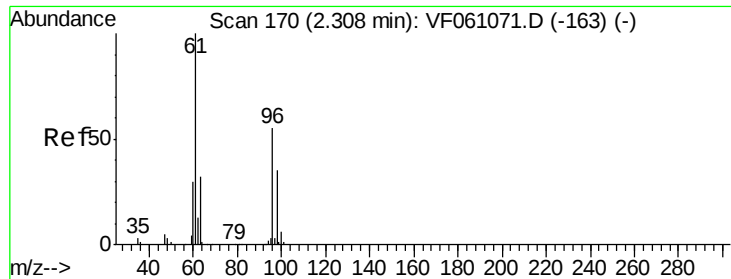


#20

Methylene Chloride
 Concen: 29.406 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.3	129.4	194.2#
51	41.0	44.0	66.0#
86	56.0	46.3	69.5





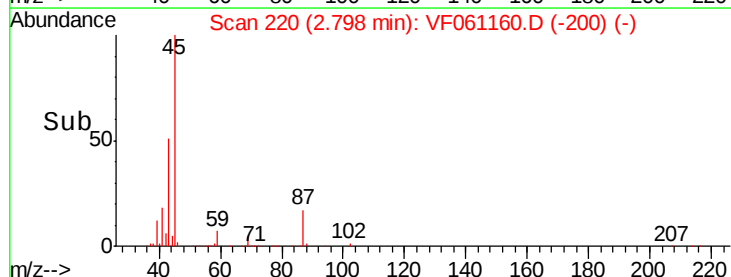
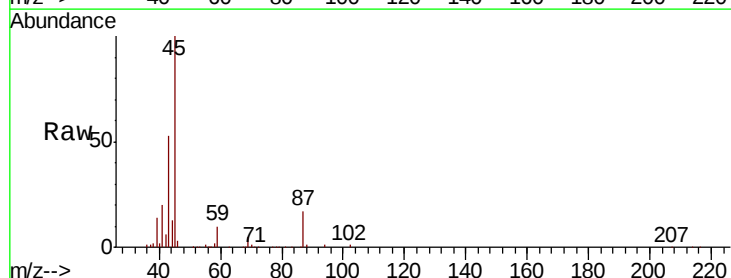
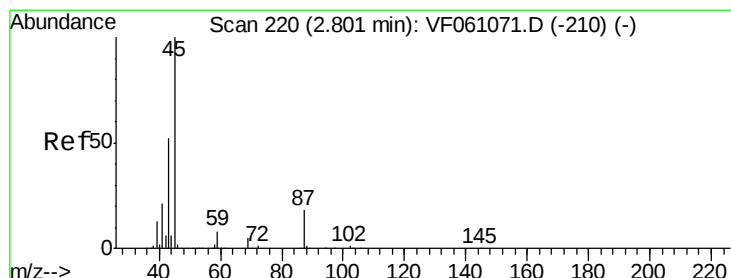
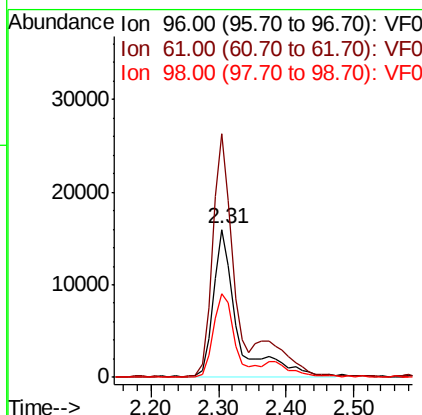
#21
trans-1,2-Dichloroethene
Concen: 20.180 ug/l m
RT: 2.31 min Scan# 170
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tot Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	164.3	146.0	219.0
98	98	56.8	51.6	77.4

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

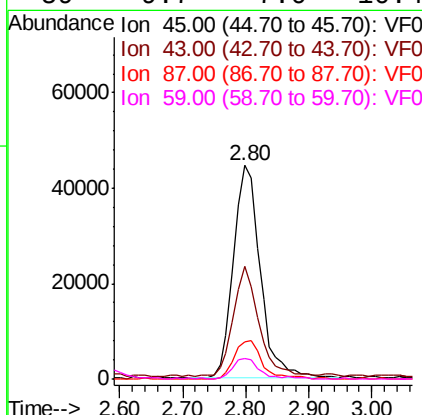
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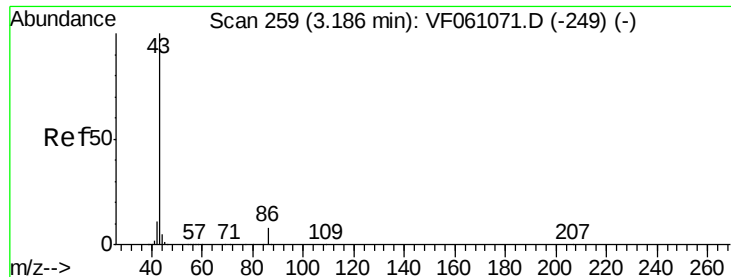
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#22
Diisopropyl ether
Concen: 20.443 ug/l
RT: 2.80 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ion	Ratio	Lower	Upper
45	45	100		
43	43	53.0	42.2	63.2
87	87	17.1	14.6	22.0
59	59	9.7	7.0	10.4





#23

Vinyl Acetate

Concen: 112.674 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 43 Resp: 335775

Ion Ratio Lower Upper

43 100

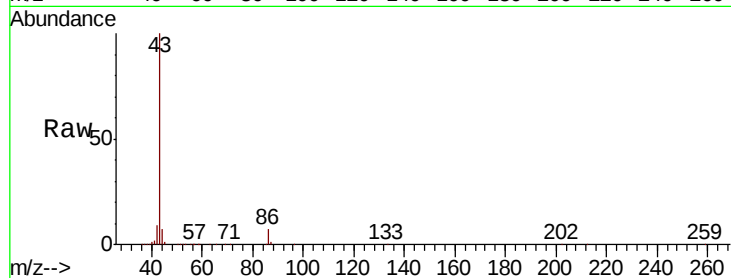
86 7.0 6.3 9.5

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

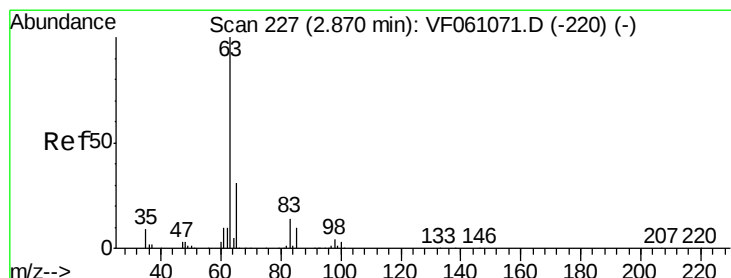
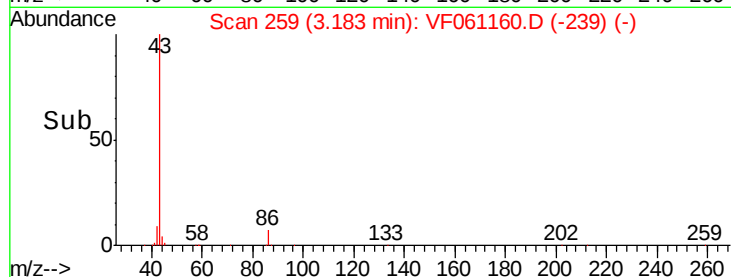
150000

100000

50000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 20.119 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

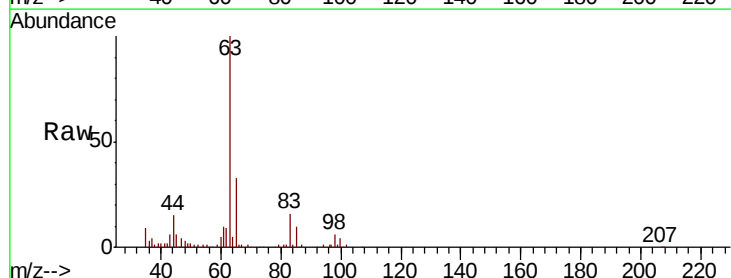
Tgt Ion: 63 Resp: 77005

Ion Ratio Lower Upper

63 100

98 5.6 2.1 6.5

100 3.5 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

40000

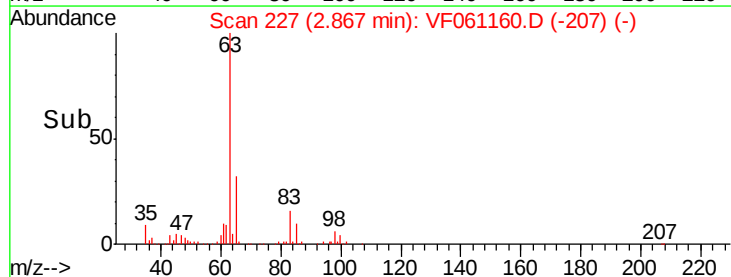
30000

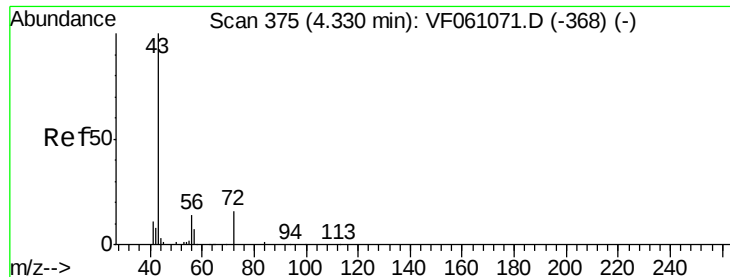
20000

10000

0

Time--> 2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 116.653 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 43 Resp: 102835

Ion Ratio Lower Upper

43 100

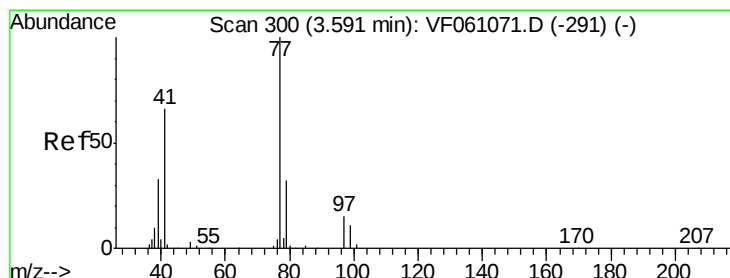
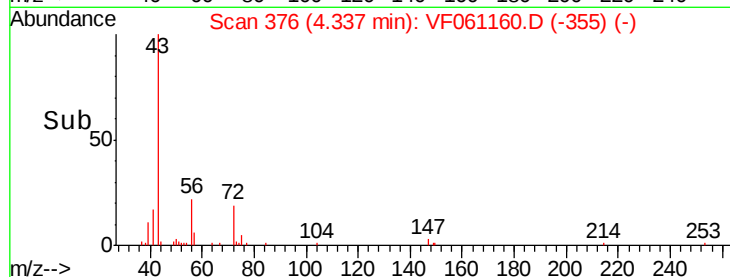
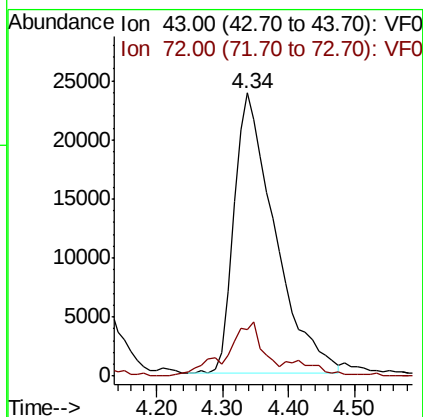
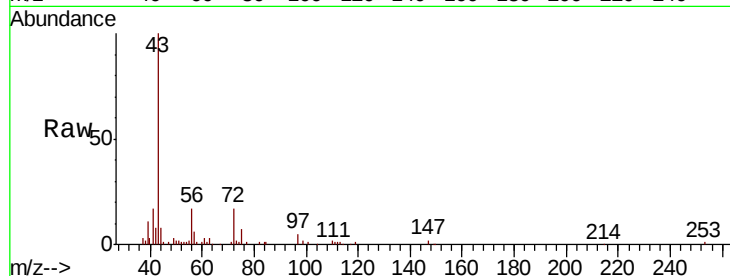
72 16.6 15.6 23.4

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#26

2,2-Dichloropropane

Concen: 20.813 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061160.D

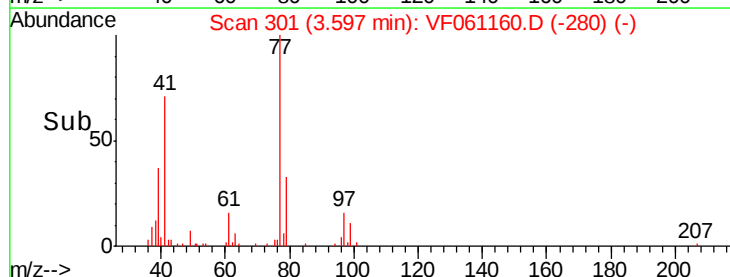
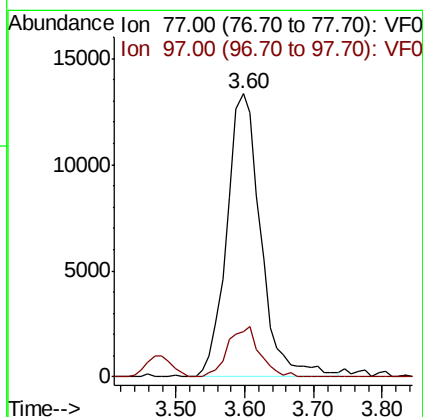
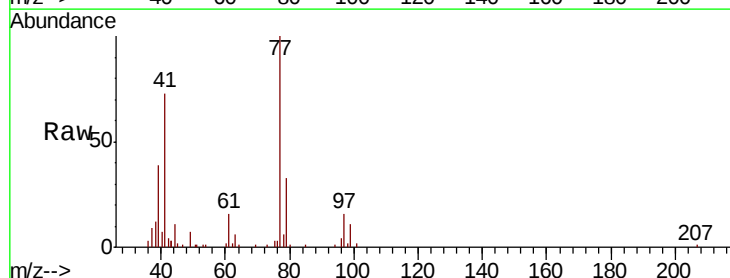
Acq: 24 Dec 2018 12:48

Tgt Ion: 77 Resp: 45714

Ion Ratio Lower Upper

77 100

97 16.1 8.2 24.4





#27

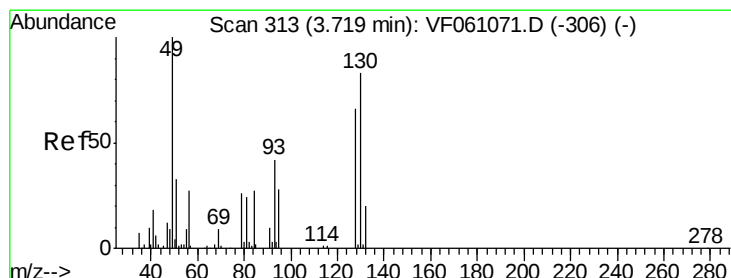
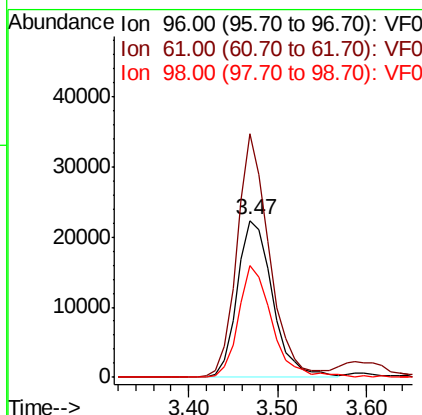
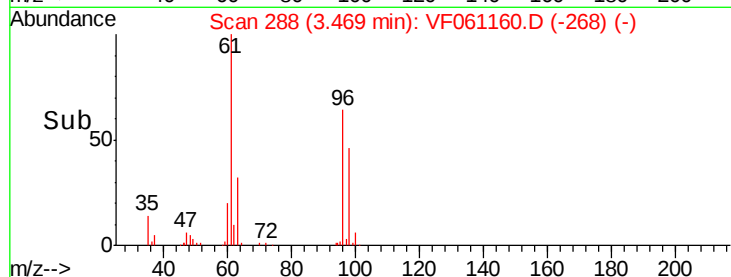
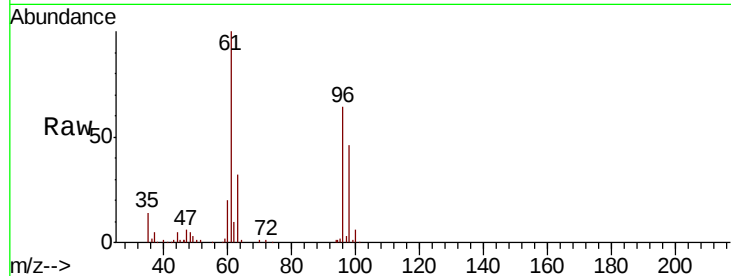
cis-1,2-Dichloroethene
Concen: 20.224 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	61710		
61	155.1	0.0	287.8	
98	71.1	0.0	134.2	

Manual Integrations
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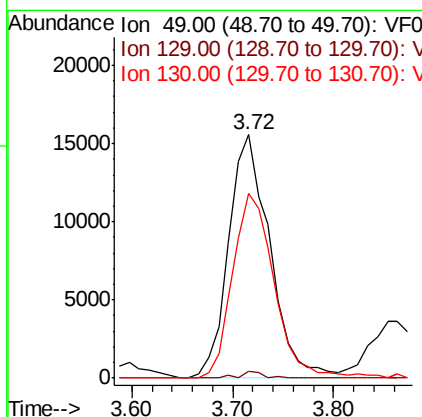
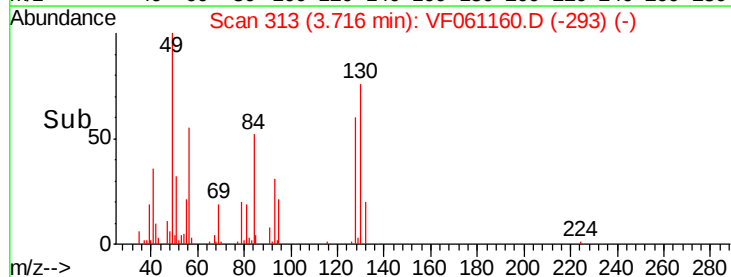
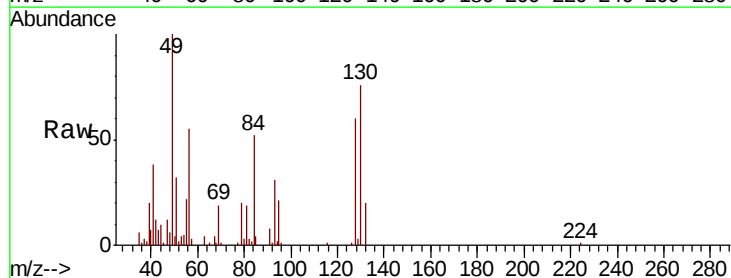
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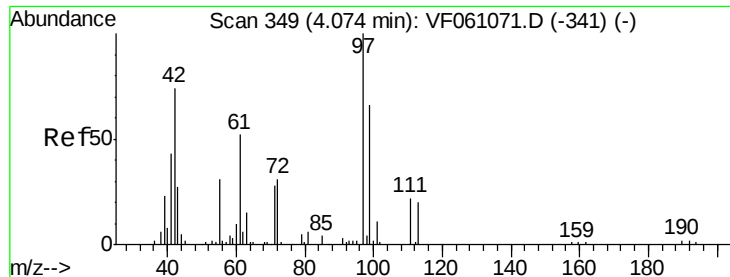


#28

Bromochloromethane
Concen: 22.800 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	44278		
129	2.5	0.0	3.6	
130	75.7	65.8	98.6	





#29

Tetrahydrofuran

Concen: 116.347 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

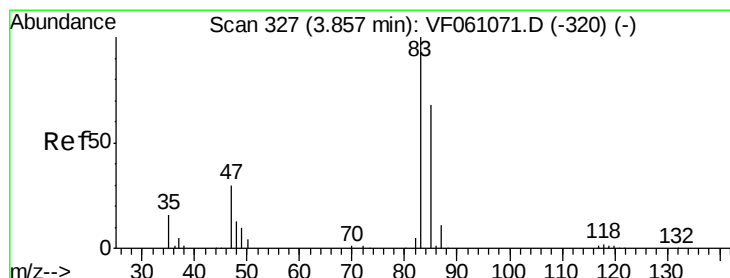
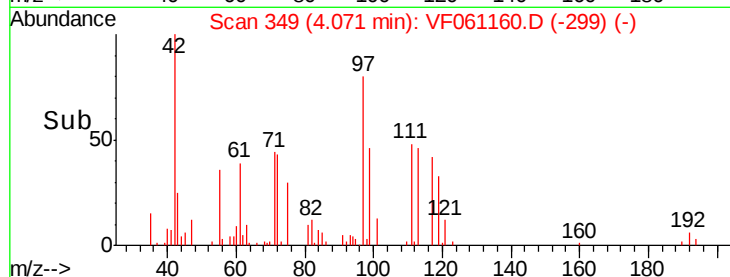
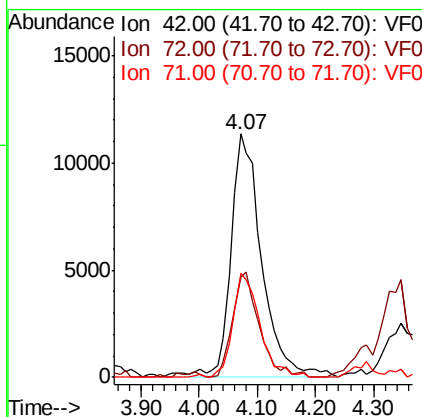
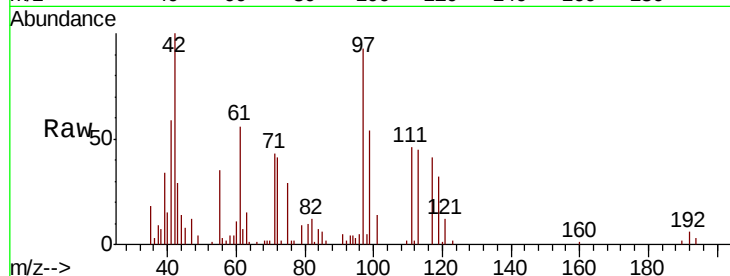
ClientSampleId :

VF1224SBS01

Tot Ion:	42	Resp:	41745
Ion	Ratio	Lower	Upper
42	100		
72	37.6	31.8	47.8
71	37.7	29.7	44.5

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#30

Chloroform

Concen: 19.239 ug/l

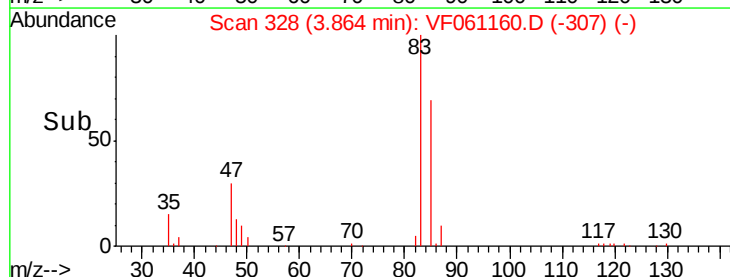
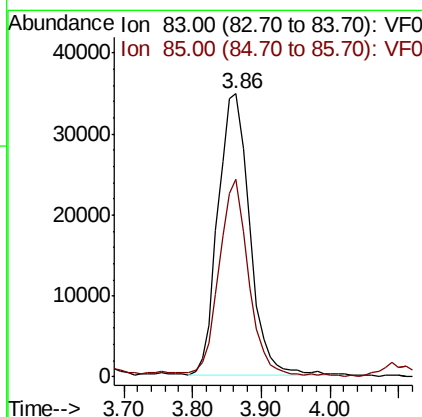
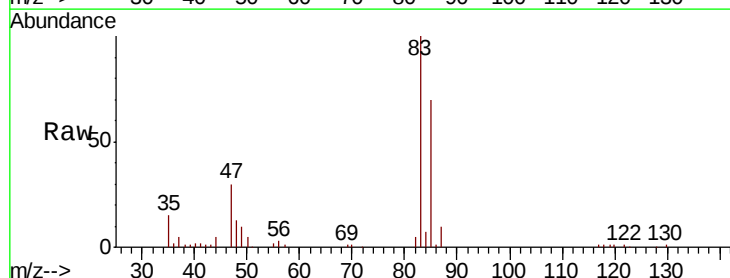
RT: 3.86 min Scan# 328

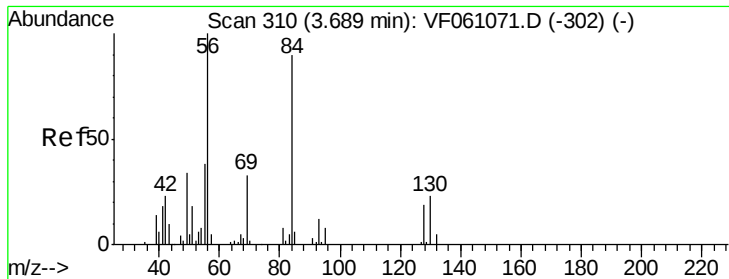
Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Tgt Ion:	83	Resp:	110408
Ion	Ratio	Lower	Upper
83	100		
85	69.8	54.5	81.7





#31

Cyclohexane

Concen: 23.012 ug/l m

RT: 3.69 min Scan# 310

Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

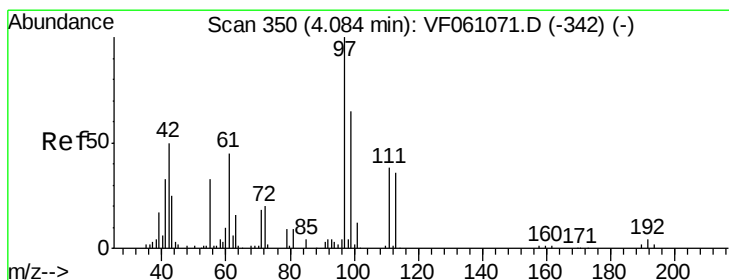
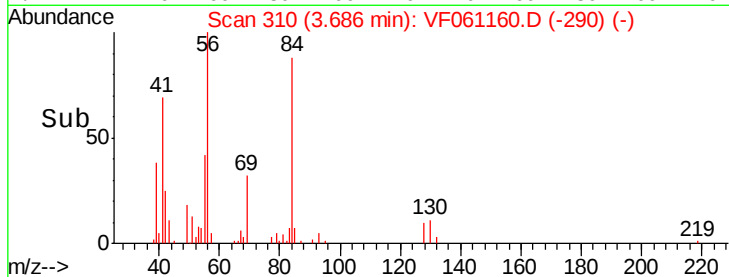
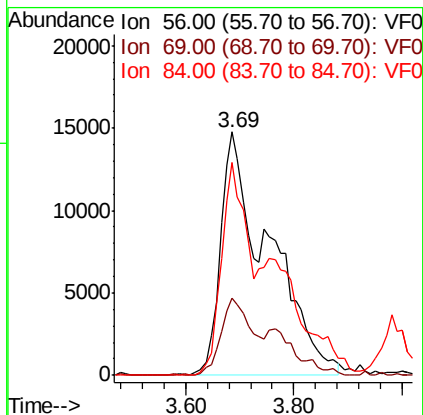
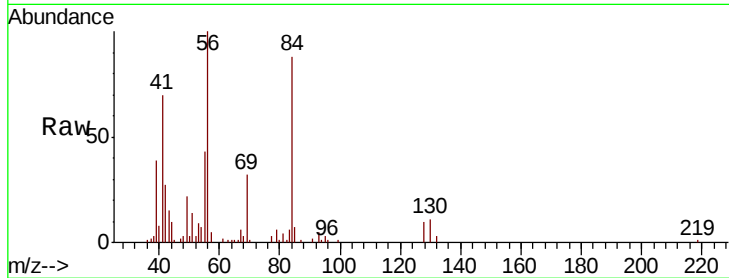
ClientSampleId :

VF1224SBS01

Tot Ion:	56	Resp:	91392
Ion Ratio	Lower	Upper	
56	100		
69	31.5	26.0	39.0
84	87.6	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.513 ug/l

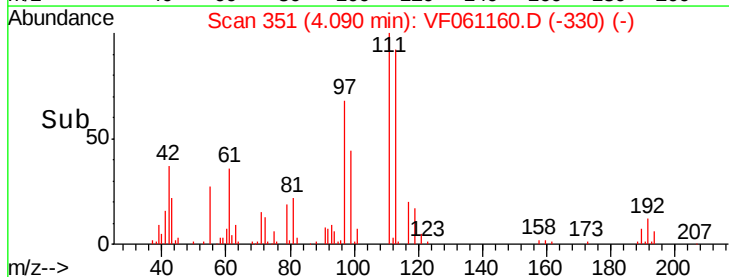
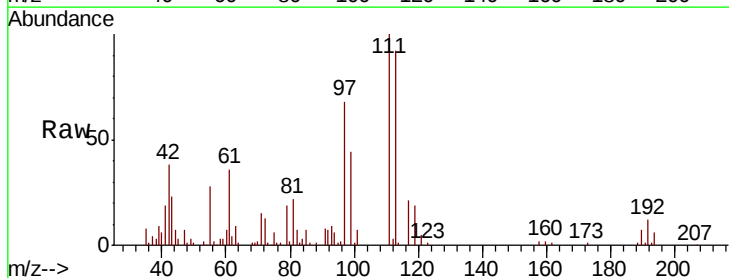
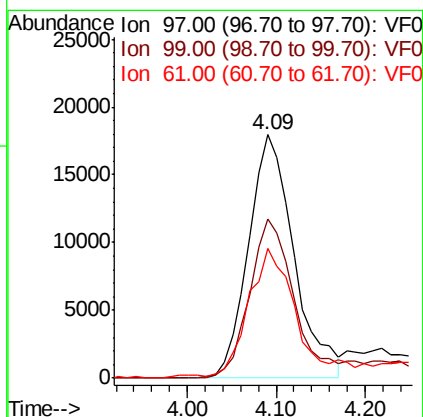
RT: 4.09 min Scan# 351

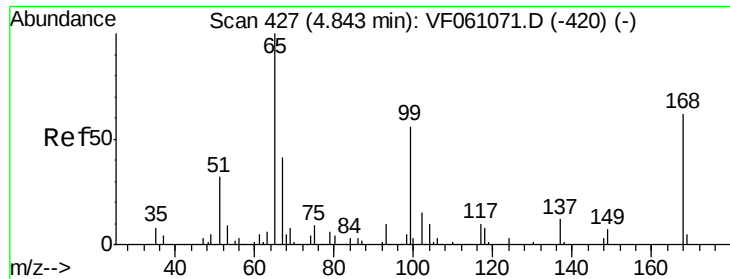
Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Tgt Ion:	97	Resp:	63681
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.6	77.4
61	53.0	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 44.756 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Tot Ion: 65 Resp: 121691

Ion Ratio Lower Upper

65 100

67 47.9 0.0 94.6

Instrument :

MSVOA_F

ClientSampleId :

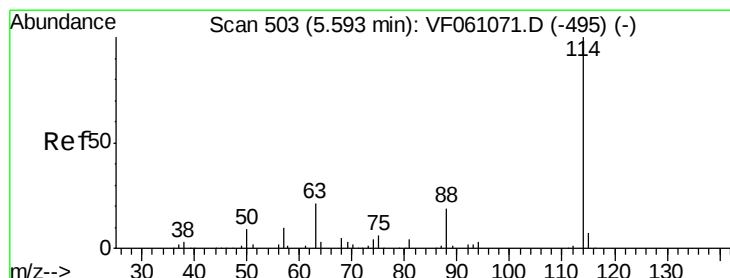
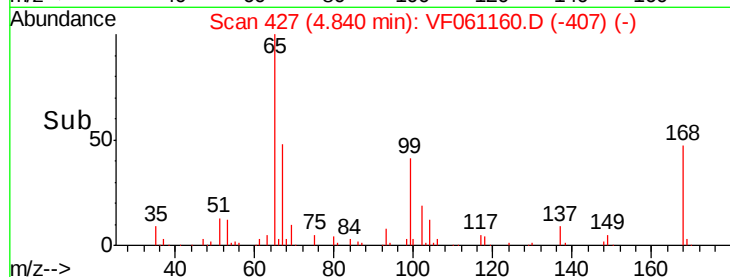
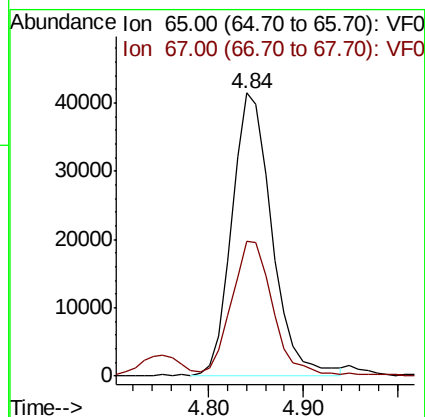
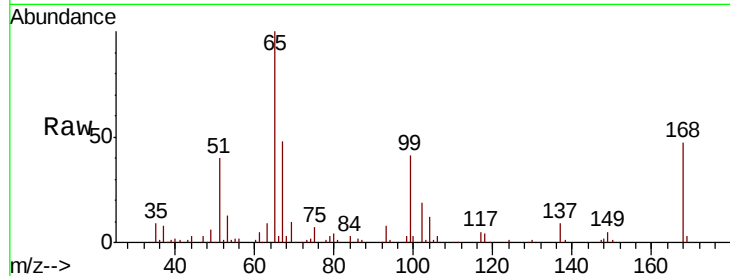
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

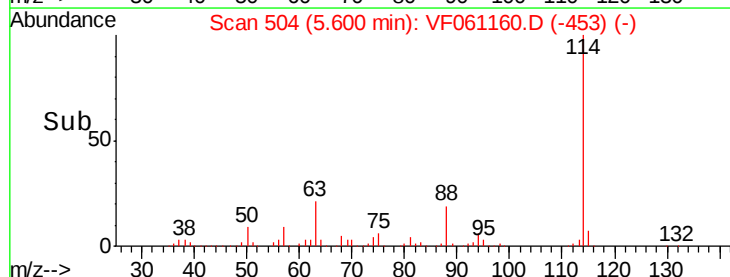
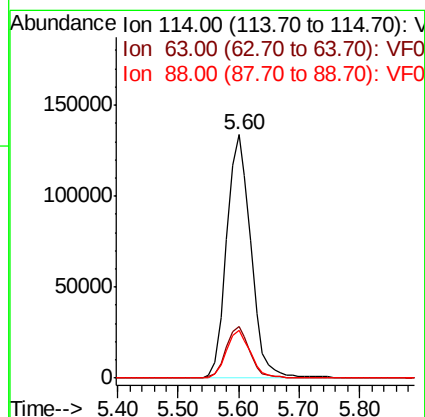
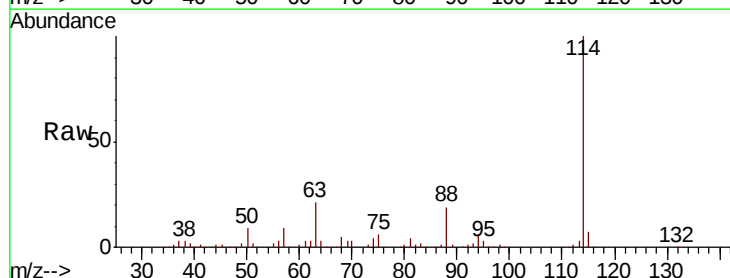
Tgt Ion: 114 Resp: 375154

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.6

88 19.4 0.0 38.0





#35

Dibromofluoromethane

Concen: 48.406 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

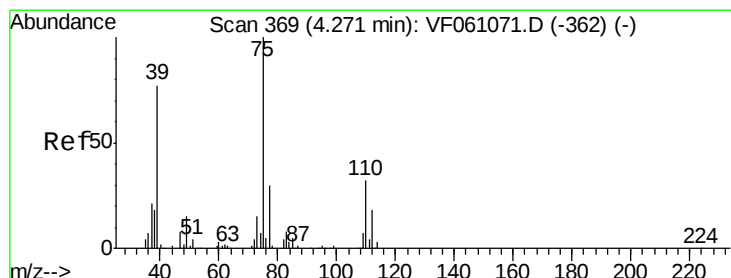
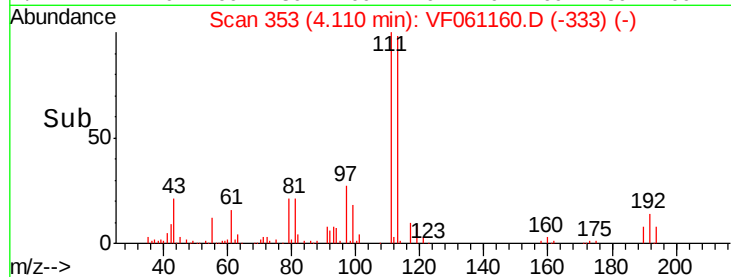
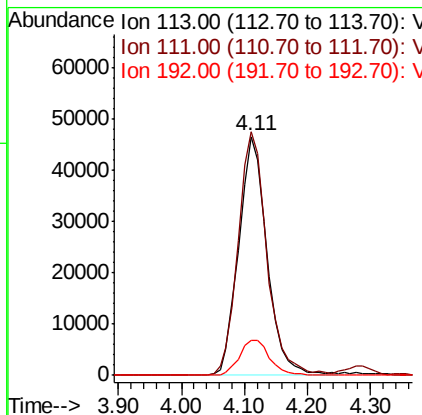
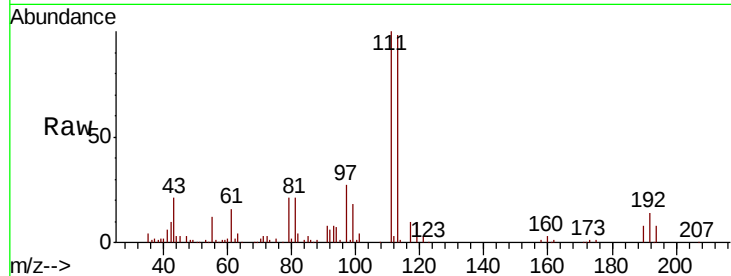
ClientSampleId :

VF1224SBS01

Tot Ion:	113	Resp:	145469
Ion	Ratio	Lower	Upper
113	100		
111	102.1	85.2	127.8
192	14.7	12.8	19.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.022 ug/l

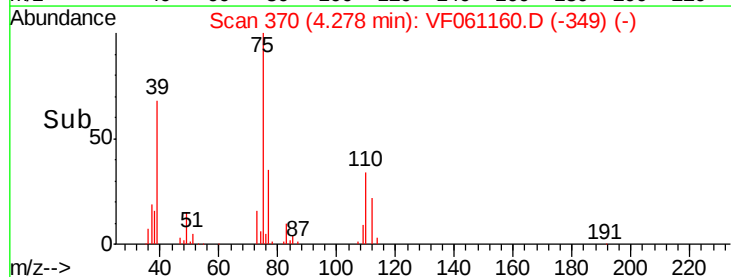
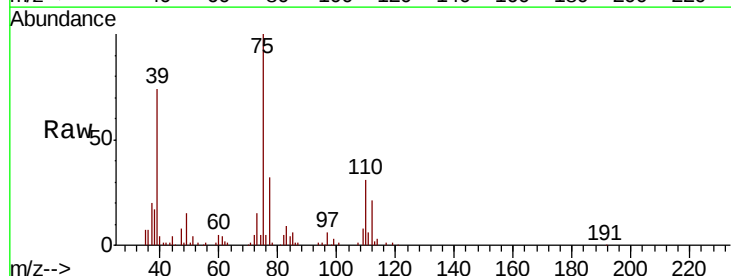
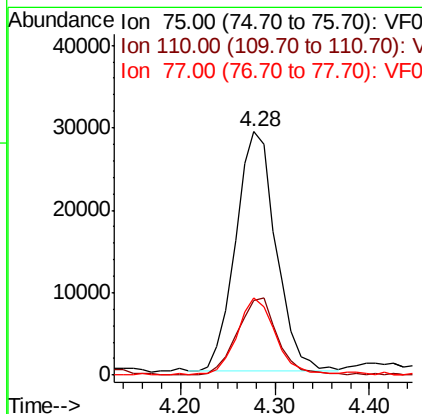
RT: 4.28 min Scan# 370

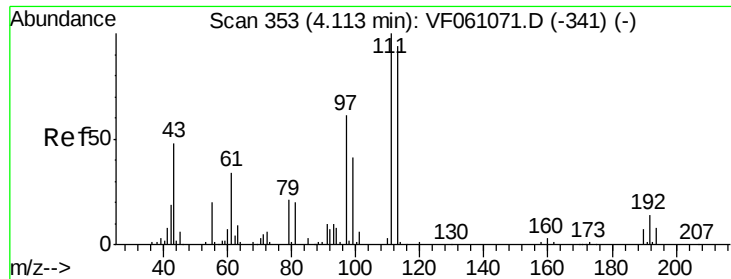
Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Tgt Ion:	75	Resp:	86137
Ion	Ratio	Lower	Upper
75	100		
110	30.9	16.1	48.2
77	31.7	24.5	36.7





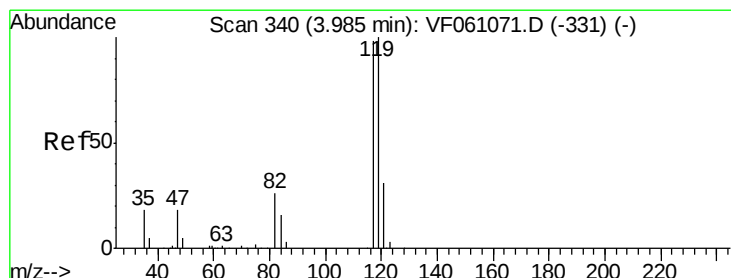
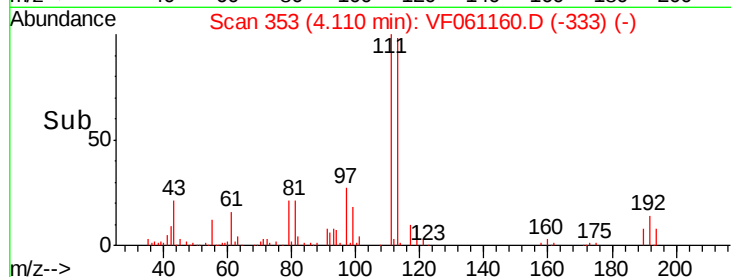
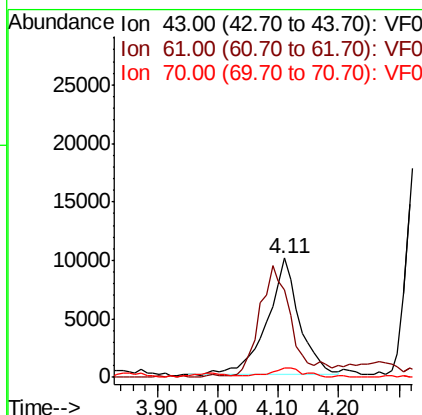
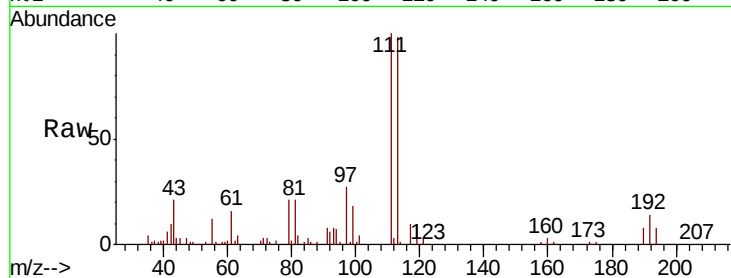
#37
Ethyl Acetate
Concen: 18.949 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	73.2	56.6	84.8
70	7.8	6.3	9.5

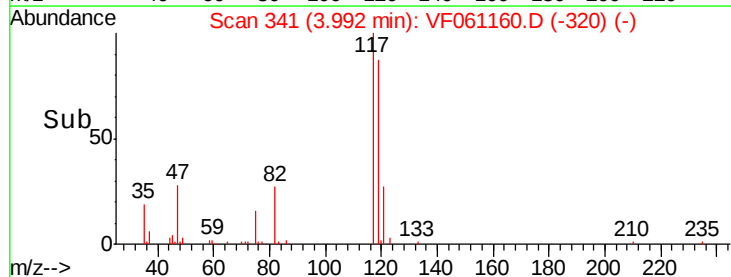
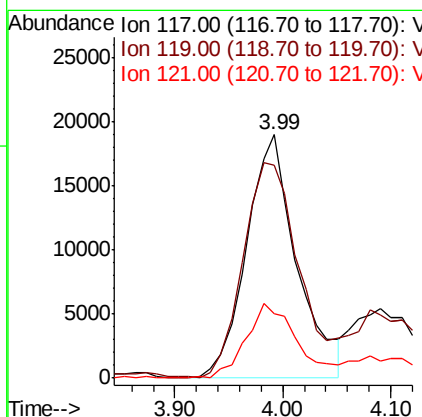
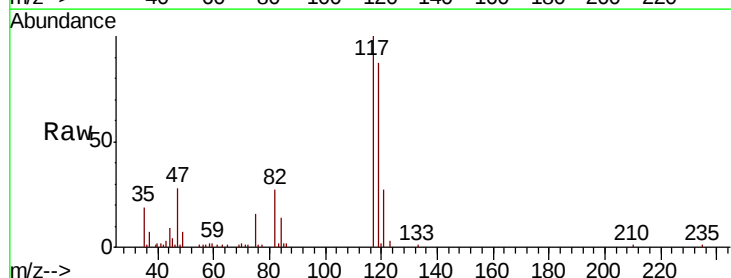
Manual Integrations
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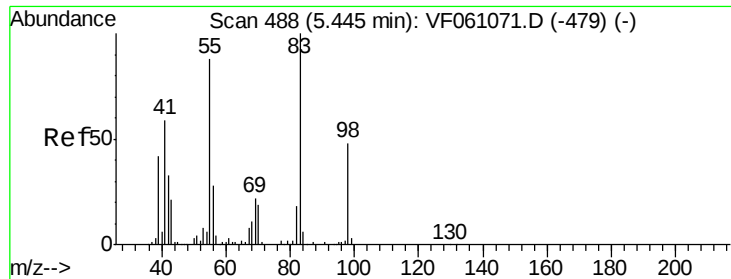
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#38
Carbon Tetrachloride
Concen: 17.924 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.3	82.1	123.1
121	26.6	25.5	38.3





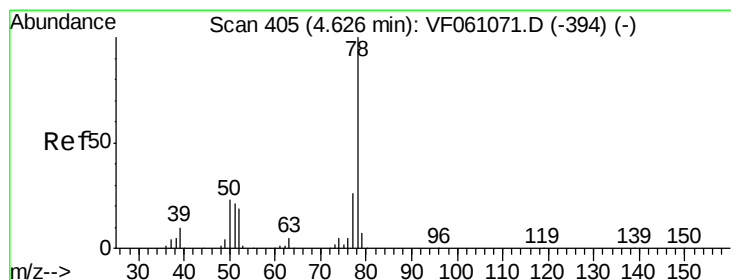
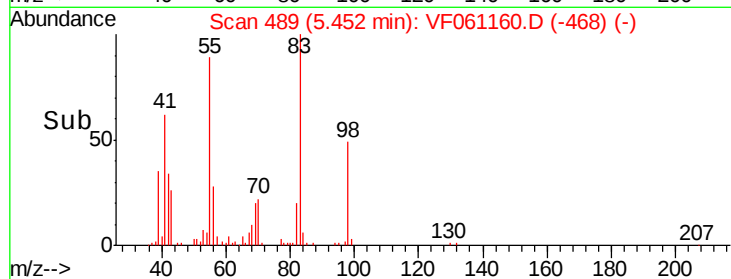
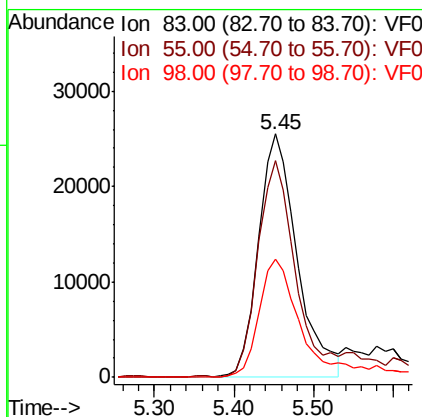
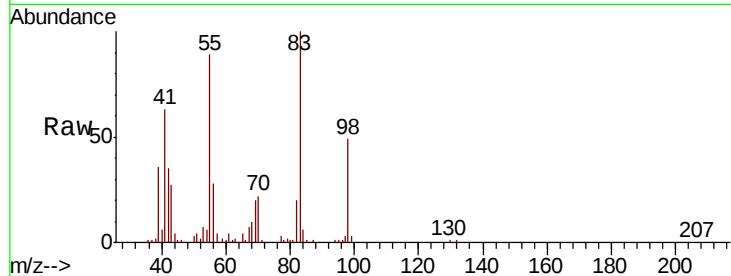
#39
Methvlcvclohexane
Concen: 21.147 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.1	70.6	105.8
98	48.6	38.5	57.7

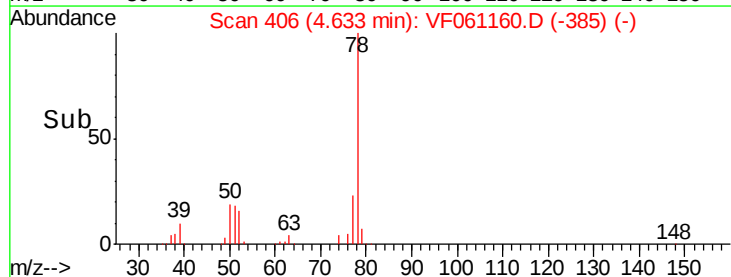
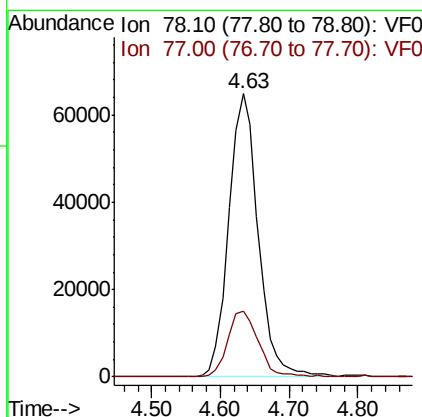
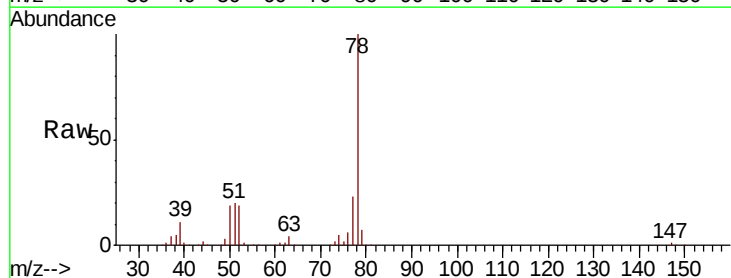
Manual Integrations
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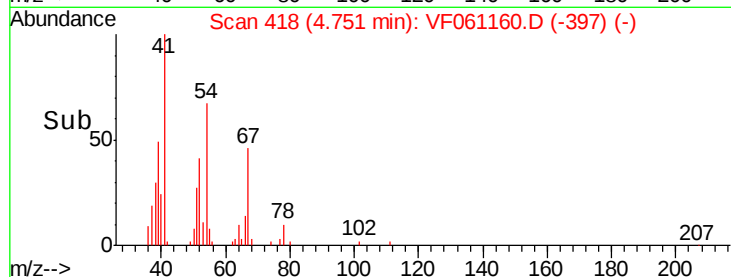
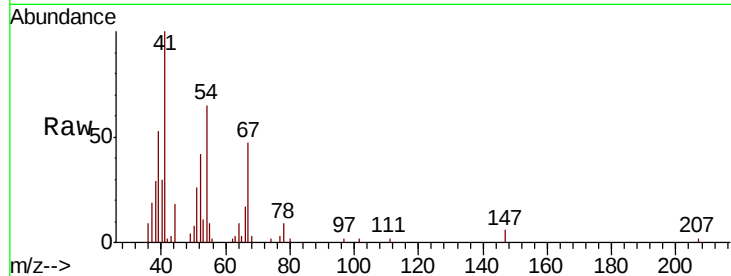
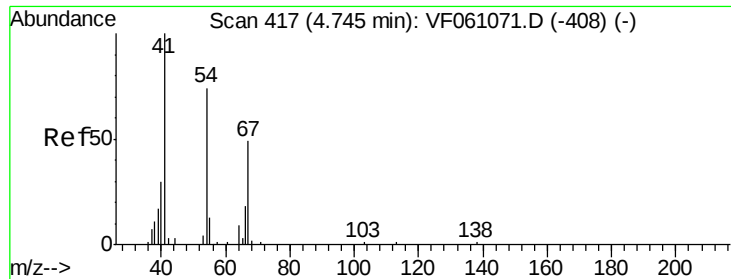
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#40
Benzene
Concen: 19.726 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

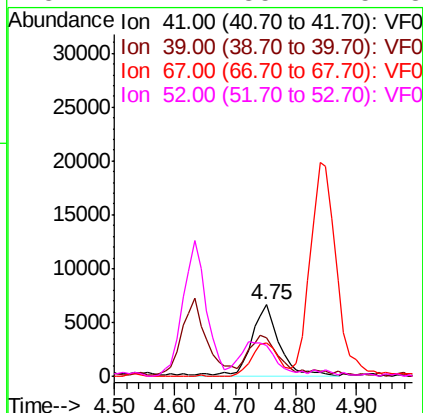
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.7	31.1





#41
Methacrylonitrile
Concen: 22.295 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

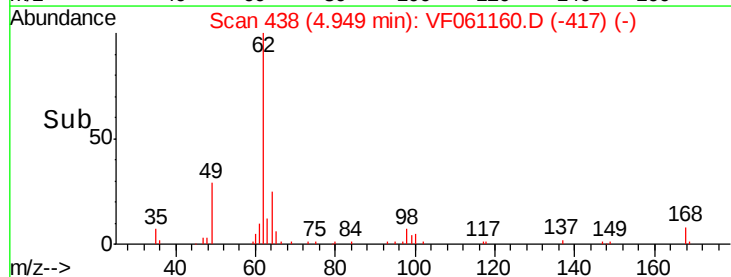
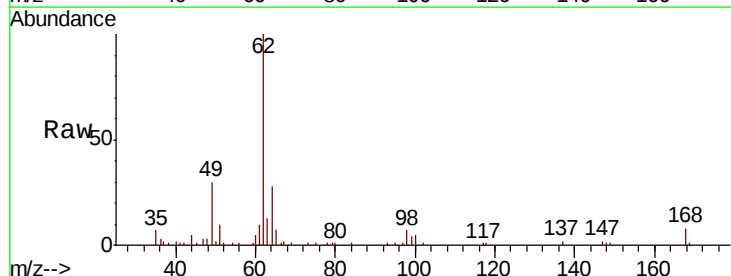
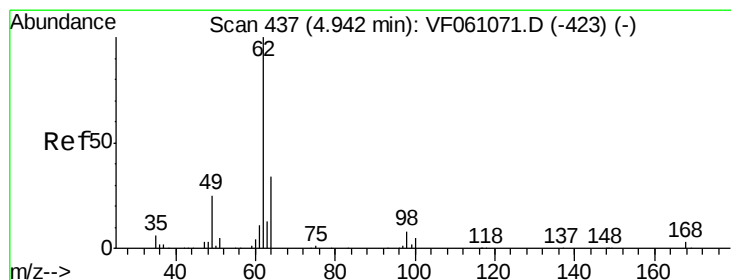
Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	53.0	45.7	68.5
67	67	46.6	38.9	58.3
52	52	42.2	35.2	52.8



Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

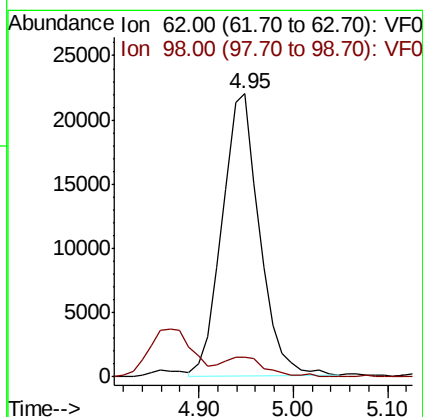
Manual Integrations
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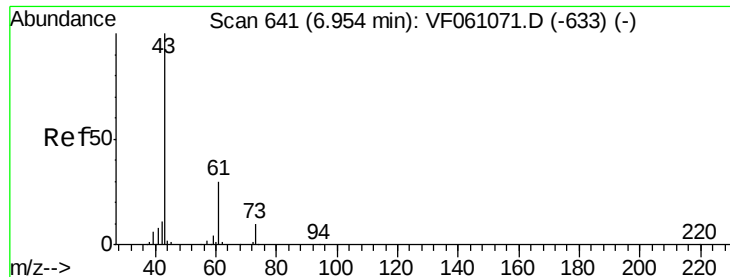
apatel
12/27/2018 12:57:38 PM



#42
1,2-Dichloroethane
Concen: 16.290 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	6.7	0.0	16.6





#43

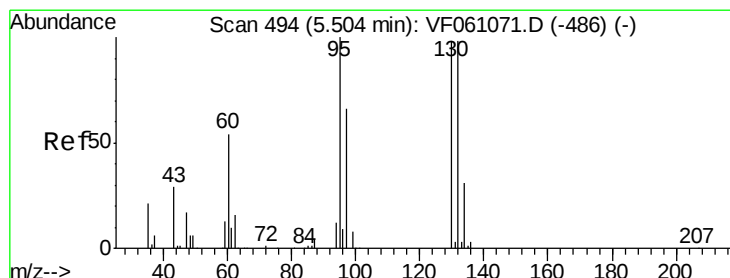
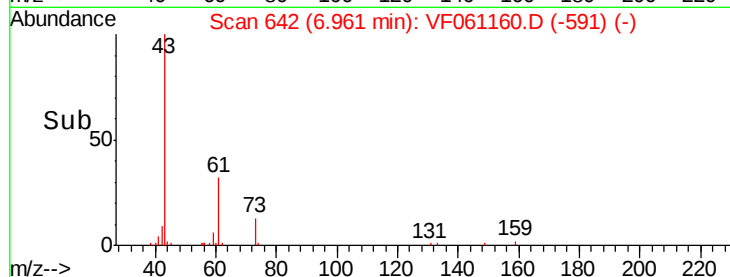
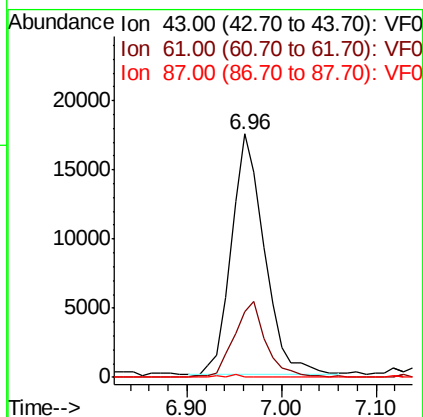
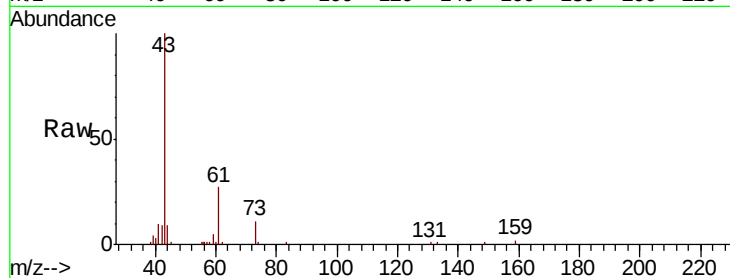
Isopropyl Acetate
 Concen: 19.309 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	23.8	35.8
87	0.0	0.0	0.0

Manual Integrations
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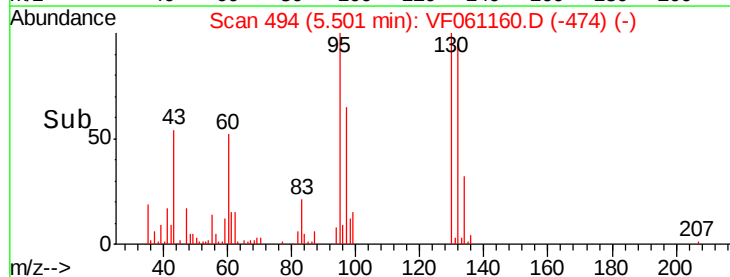
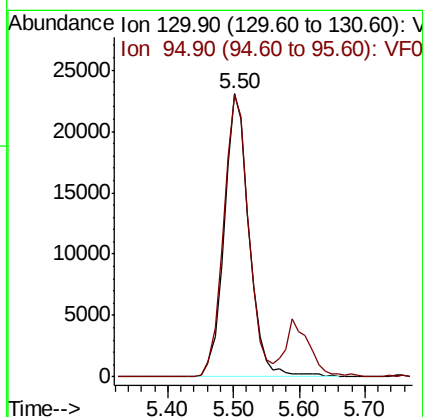
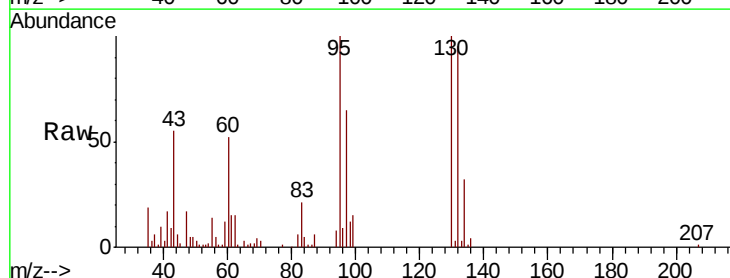
apatel
 12/27/2018 12:57:38 PM



#44

Trichloroethene
 Concen: 19.884 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	205.2





#45

1,2-Dichloropropane

Concen: 20.000 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 63 Resp: 52988

Ion Ratio Lower Upper

63 100

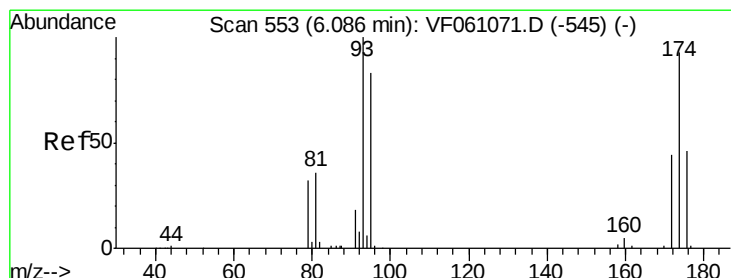
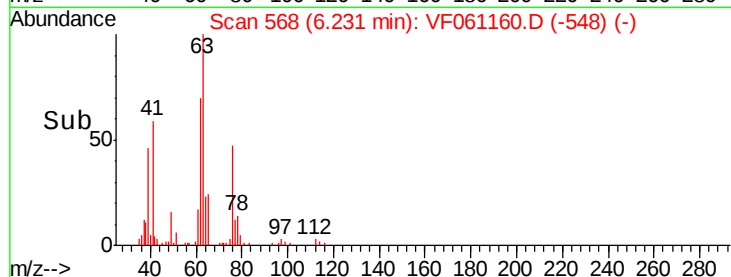
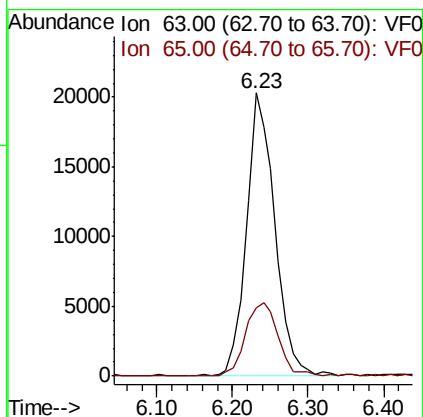
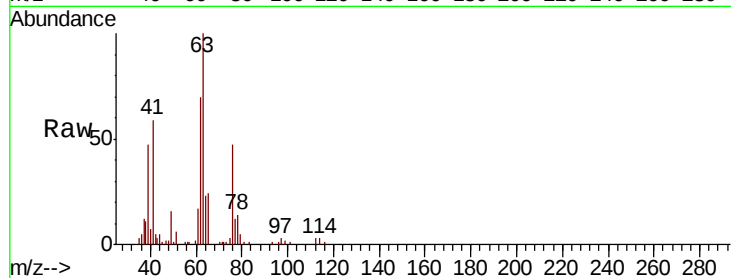
65 24.2 24.4 36.6#

Manual Integrations

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#46

Dibromomethane

Concen: 18.726 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

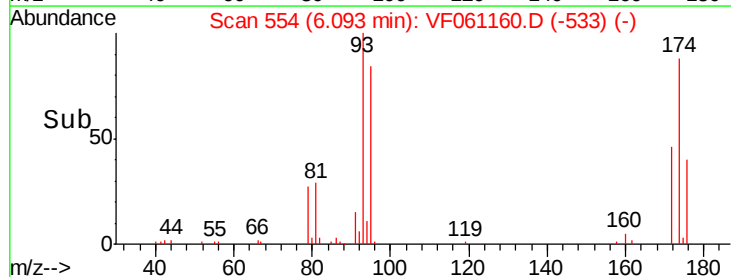
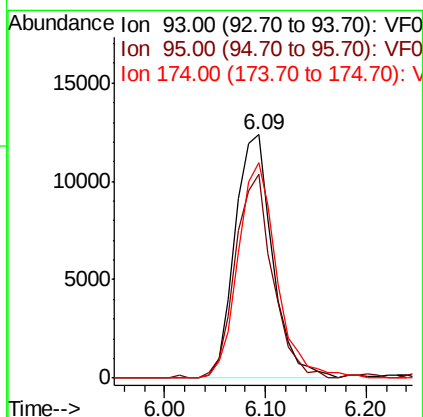
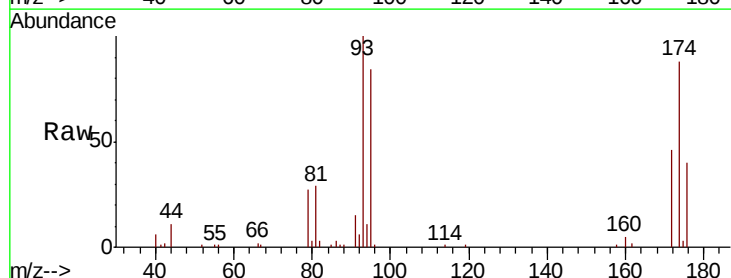
Tgt Ion: 93 Resp: 32179

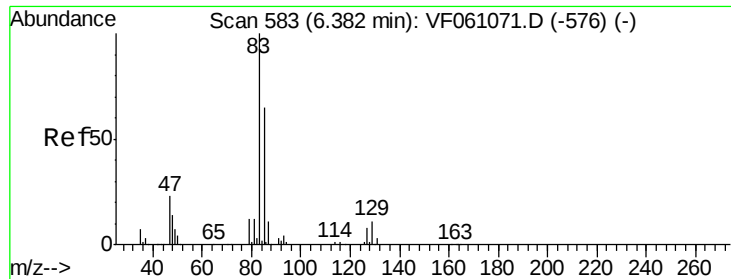
Ion Ratio Lower Upper

93 100

95 83.8 66.9 100.3

174 88.3 74.1 111.1





#47

Bromodichloromethane

Concen: 18.215 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

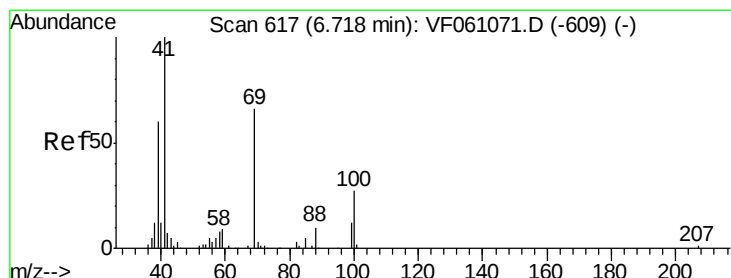
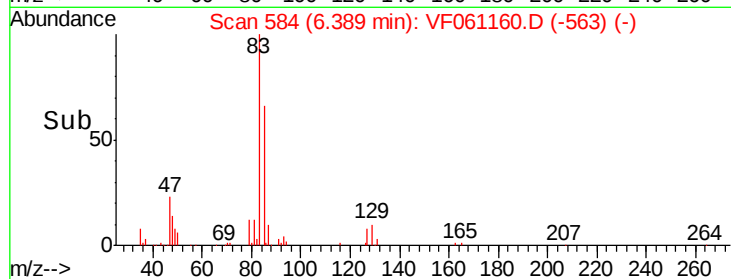
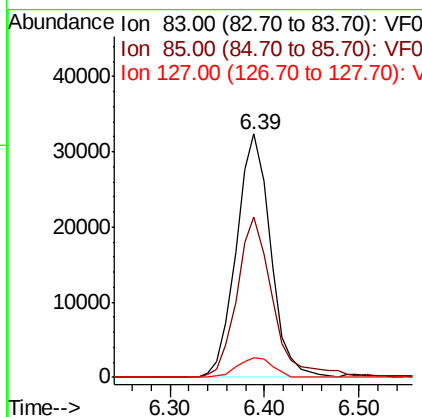
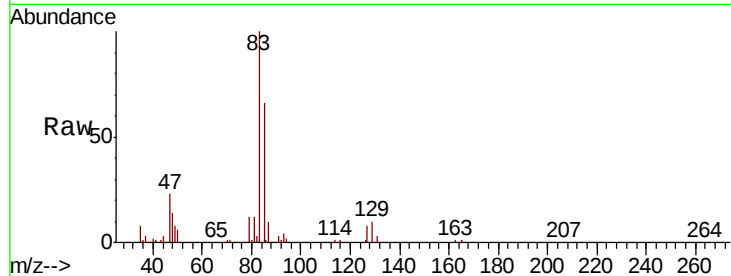
ClientSampleId :

VF1224SBS01

Tot Ion:	83	Resp:	81327
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.4
127	8.3	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.447 ug/l

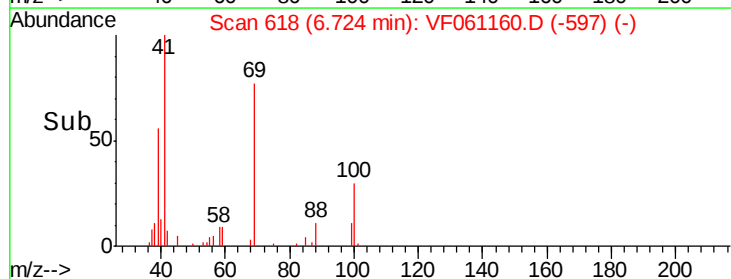
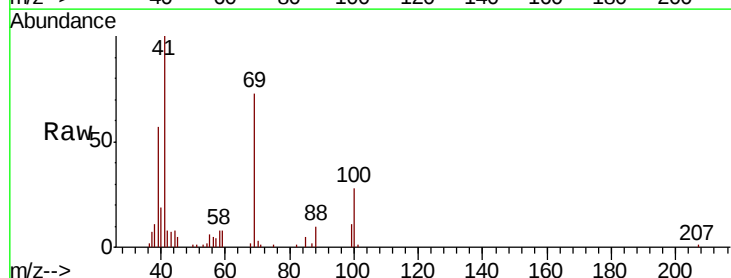
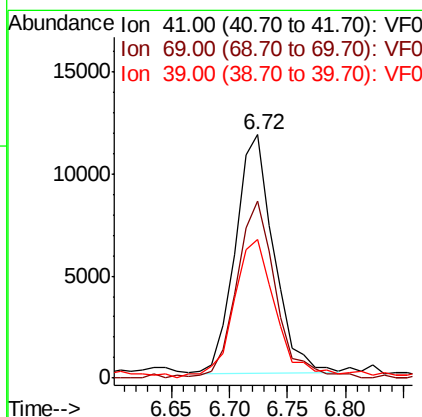
RT: 6.72 min Scan# 618

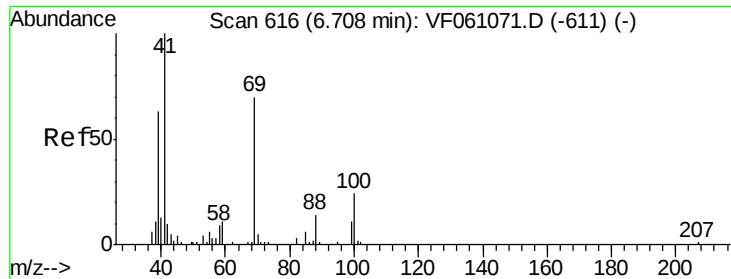
Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Tgt Ion:	41	Resp:	26632
Ion	Ratio	Lower	Upper
41	100		
69	72.7	52.7	79.1
39	57.1	47.8	71.6





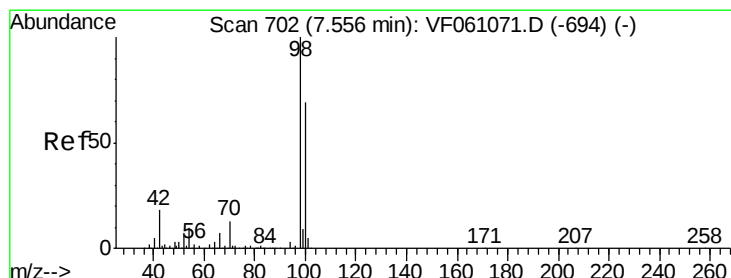
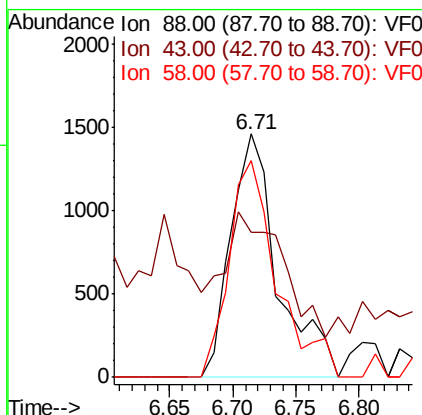
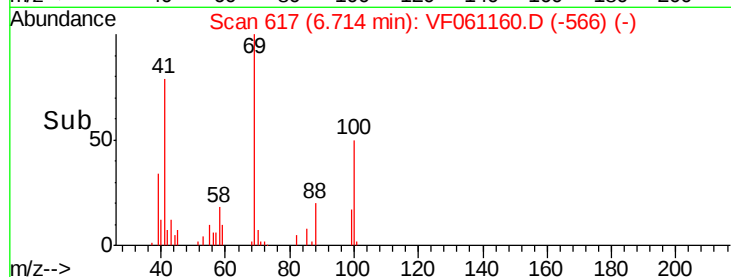
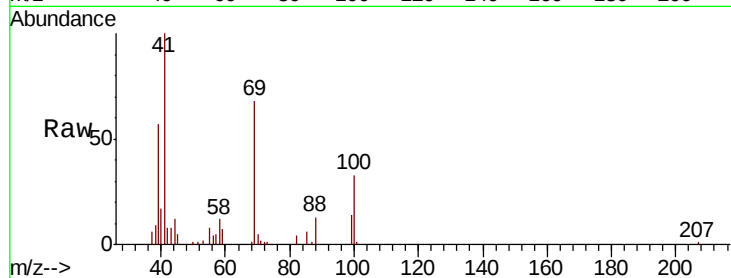
#49
1,4-Dioxane
Concen: 341.739 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	59.4		33.3	49.9#
58	88.8		53.2	79.8#

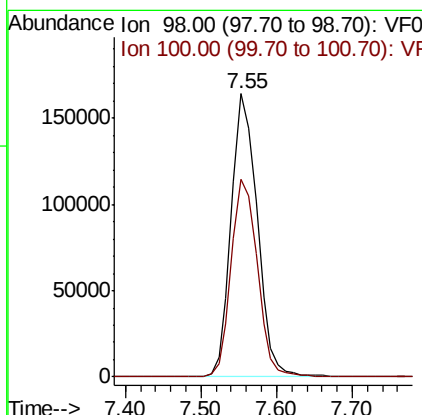
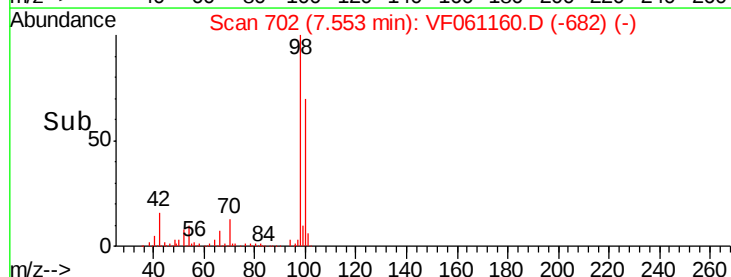
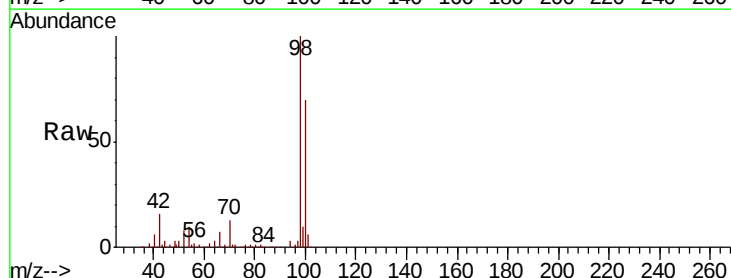
Manual Integrations
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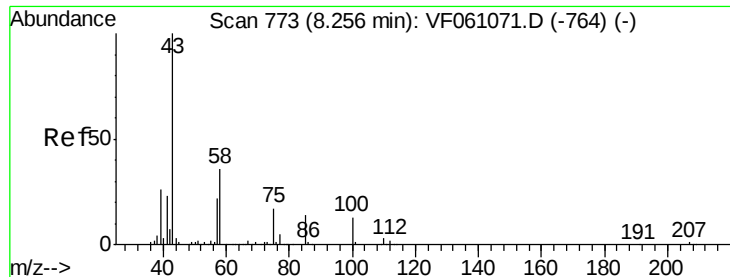
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#50
Toluene-d8
Concen: 46.023 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	69.8		55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 106.520 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 43 Resp: 159734

Ion Ratio Lower Upper

43 100

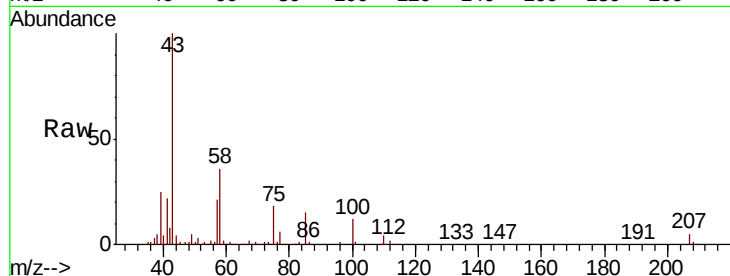
58 35.6 29.1 43.7

Manual Integrations

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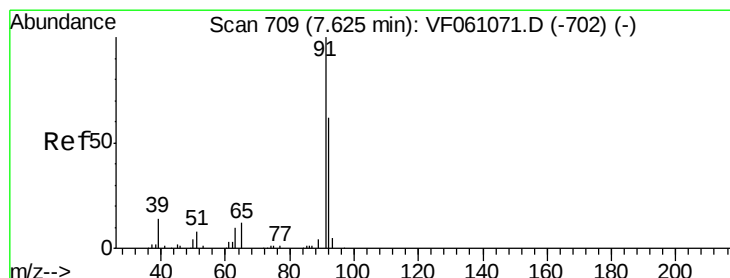
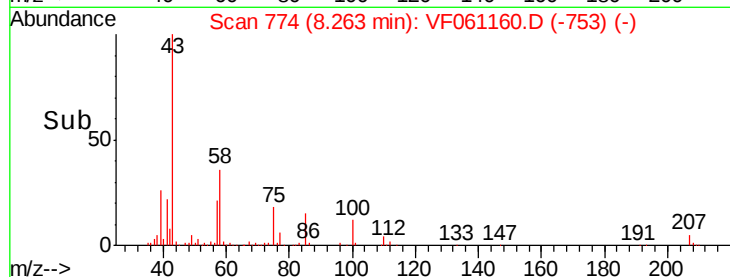
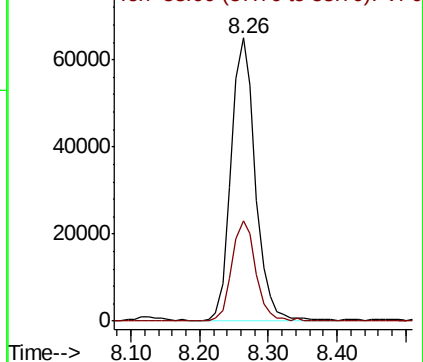
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 18.999 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061160.D

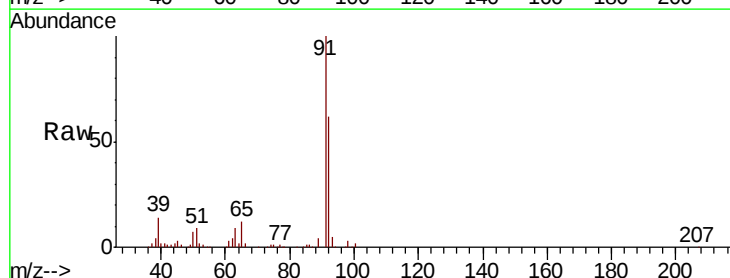
Acq: 24 Dec 2018 12:48

Tgt Ion: 92 Resp: 122470

Ion Ratio Lower Upper

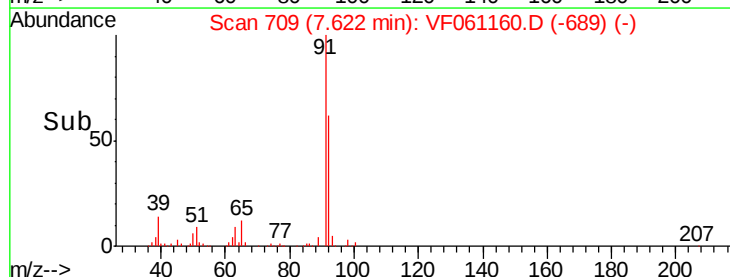
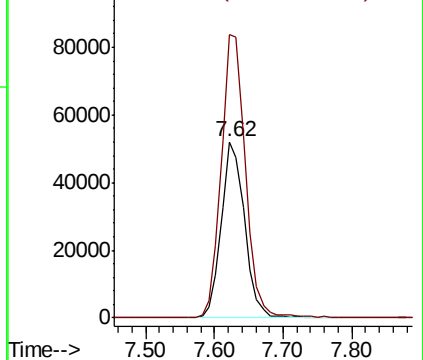
92 100

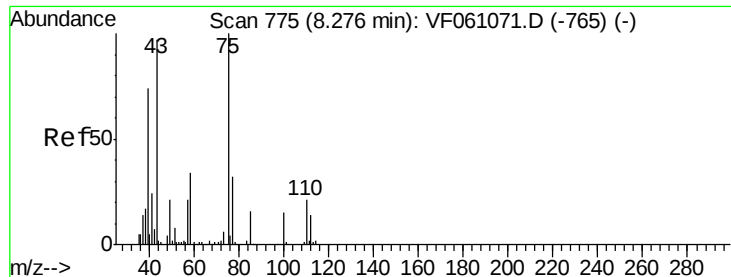
91 160.5 128.8 193.2



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: 19.129 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 75 Resp: 68899

Ion Ratio Lower Upper

75 100

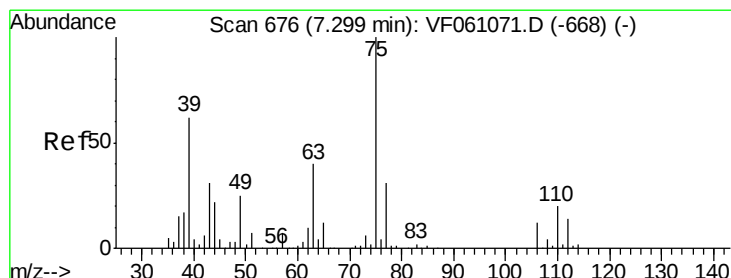
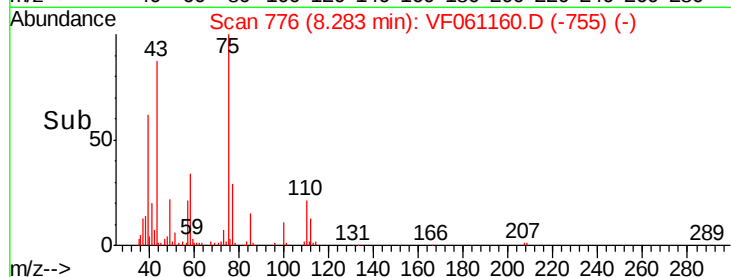
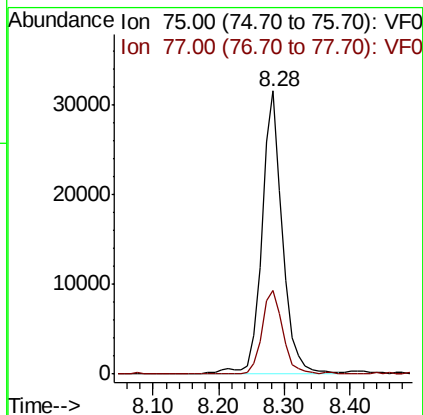
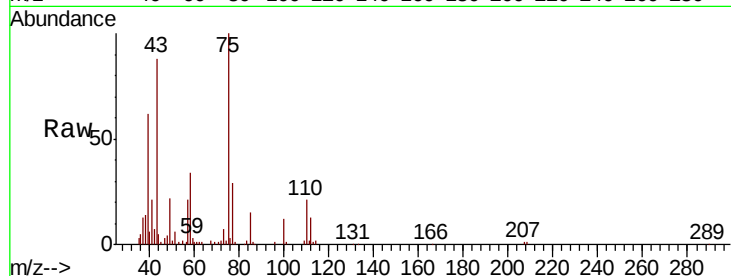
77 29.4 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.118 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

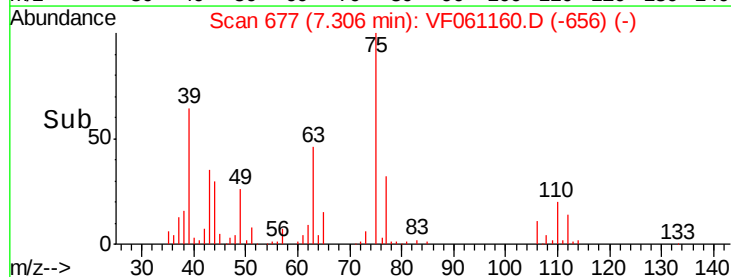
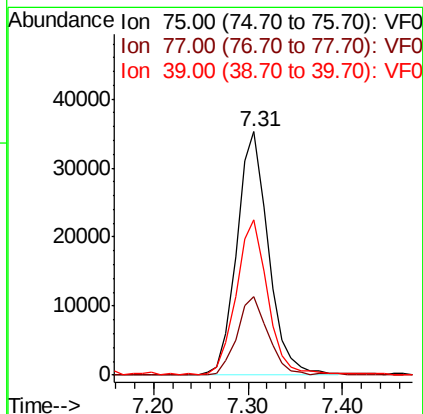
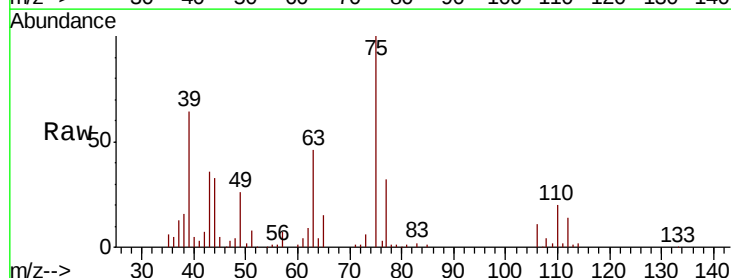
Tgt Ion: 75 Resp: 81906

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.4

39 63.9 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 19.149 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

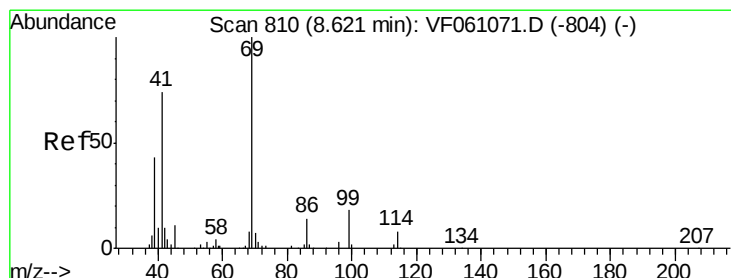
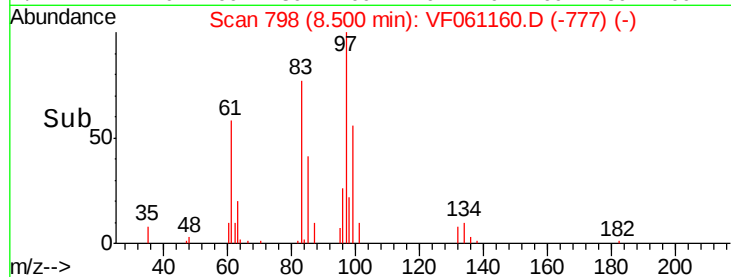
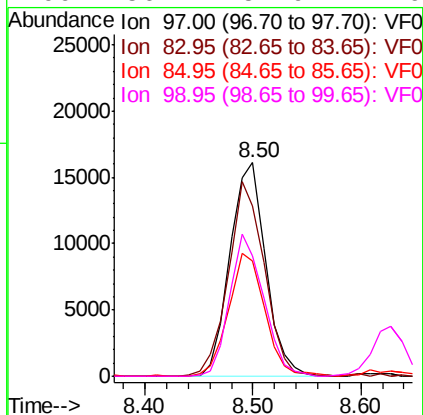
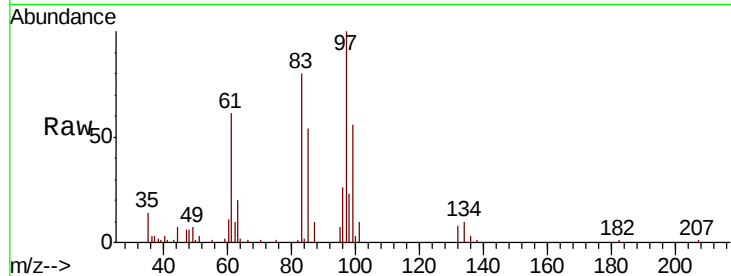
ClientSampleId :

VF1224SBS01

Tot Ion:	97	Resp:	37005
Ion	Ratio	Lower	Upper
97	100		
83	79.9	75.0	112.4
85	53.8	47.5	71.3
99	56.4	51.9	77.9

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#56

Ethyl methacrylate

Concen: 19.786 ug/l

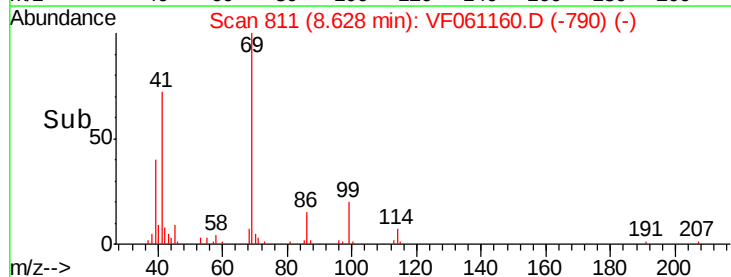
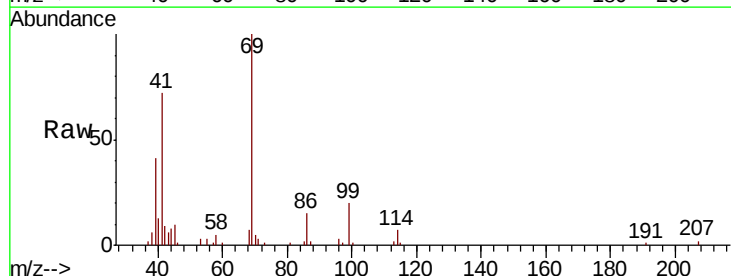
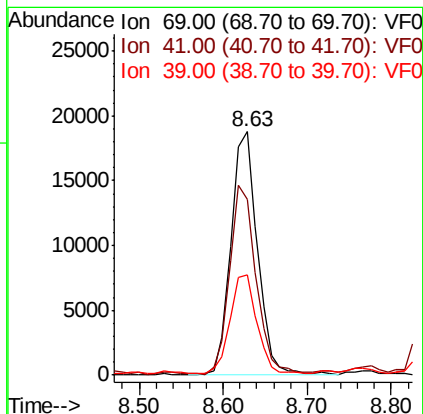
RT: 8.63 min Scan# 811

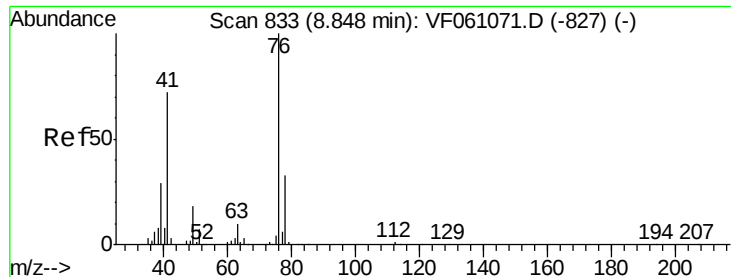
Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Tgt Ion:	69	Resp:	41375
Ion	Ratio	Lower	Upper
69	100		
41	72.4	59.7	89.5
39	41.3	35.0	52.6





#57

1,3-Dichloropropane

Concen: 18.177 ug/l

RT: 8.86 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 76 Resp: 63532

Ion Ratio Lower Upper

76 100

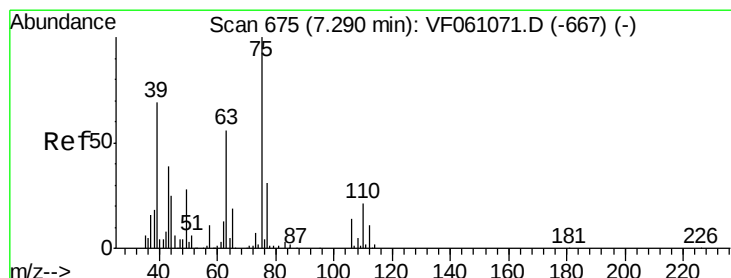
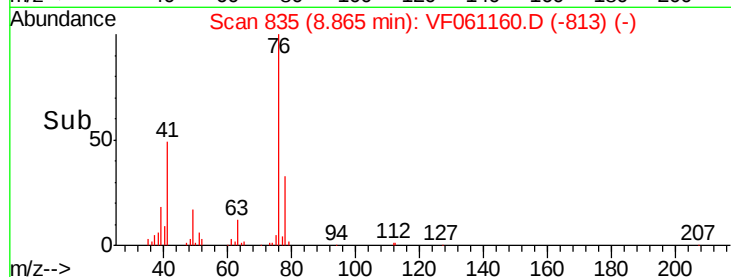
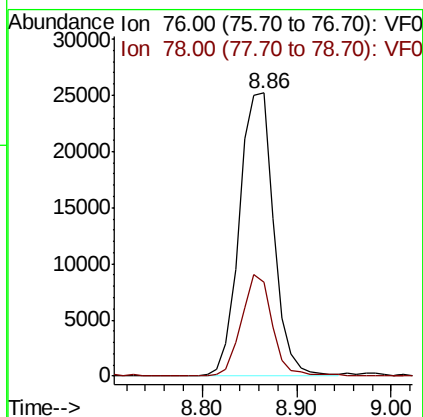
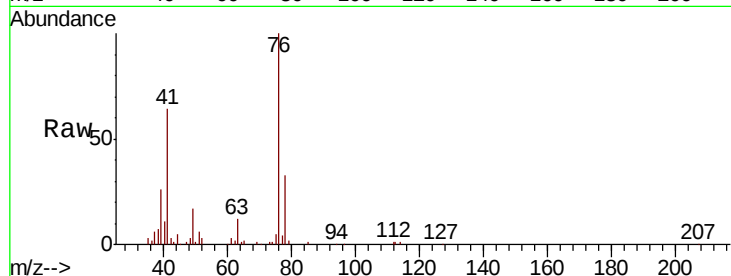
78 33.0 26.5 39.7

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 102.848 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061160.D

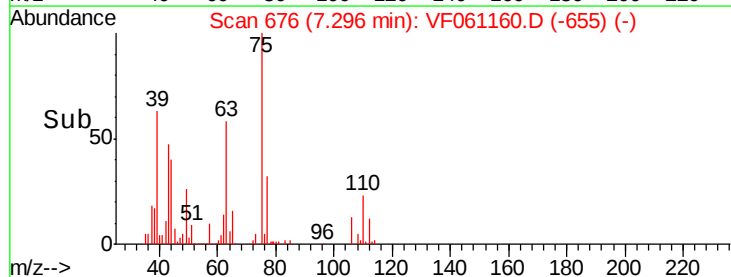
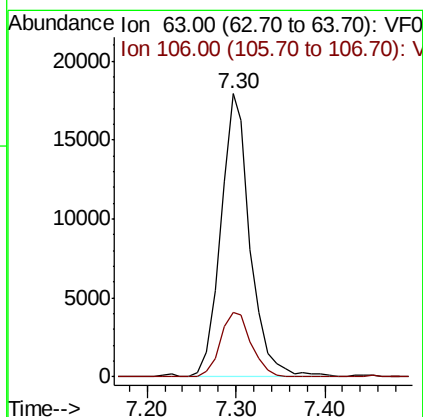
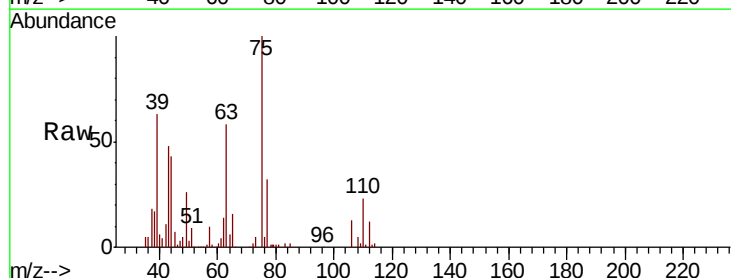
Acq: 24 Dec 2018 12:48

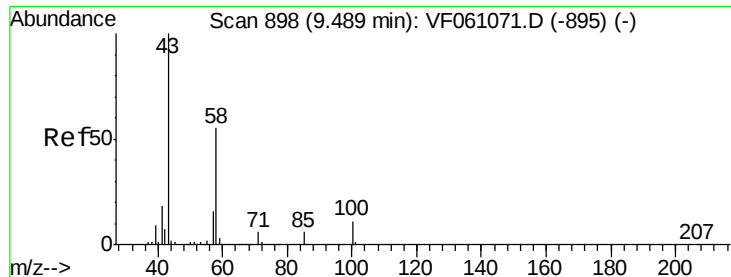
Tgt Ion: 63 Resp: 41305

Ion Ratio Lower Upper

63 100

106 22.7 19.8 29.8





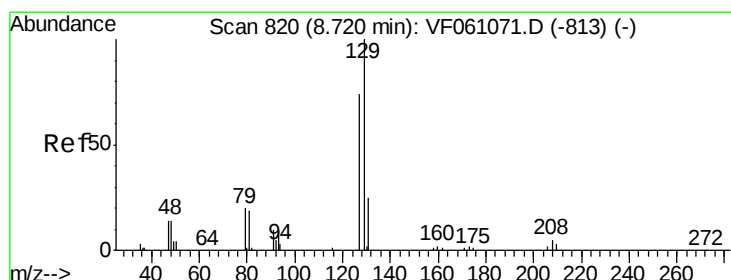
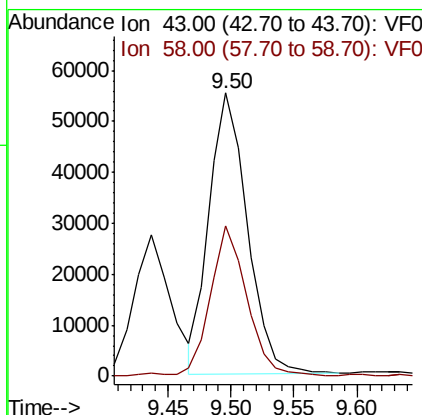
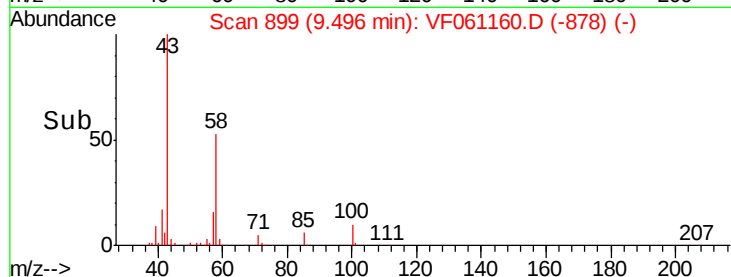
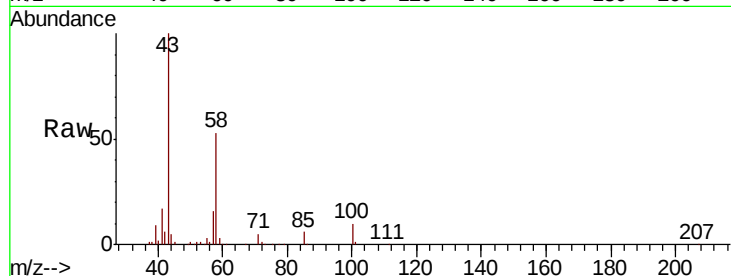
#59
2-Hexanone
Concen: 107.159 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion: 43 Resp: 116209
Ion Ratio Lower Upper
43 100
58 52.9 25.1 75.2

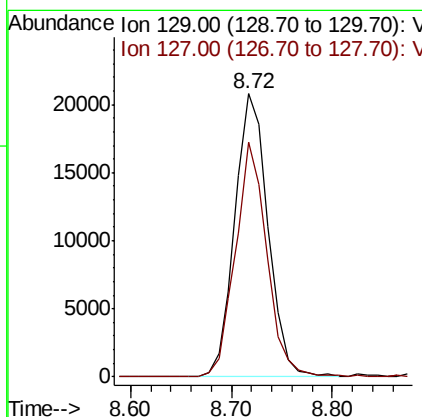
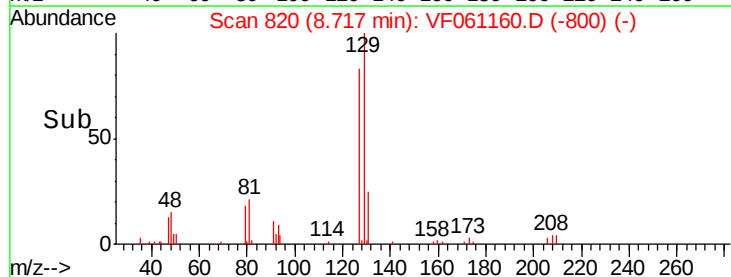
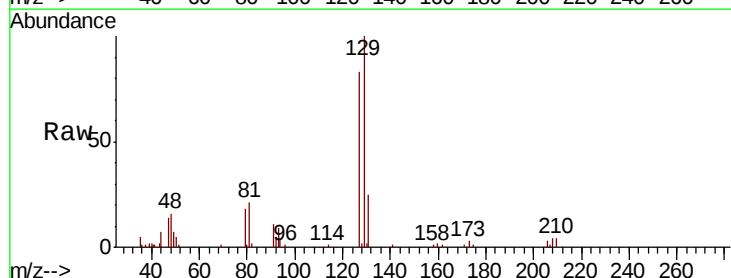
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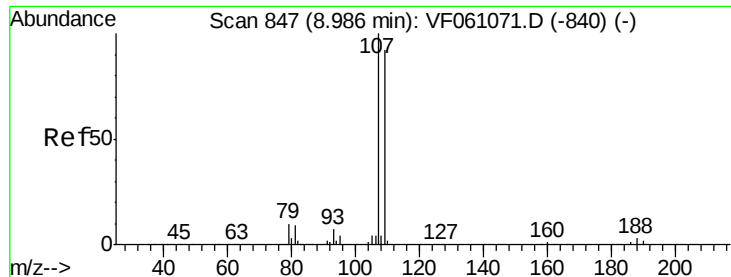
apatel
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#60
Dibromochloromethane
Concen: 17.211 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion: 129 Resp: 47677
Ion Ratio Lower Upper
129 100
127 82.9 36.8 110.3





#61

1,2-Dibromoethane

Concen: 18.982 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 107 Resp: 39176

Ion Ratio Lower Upper

107 100

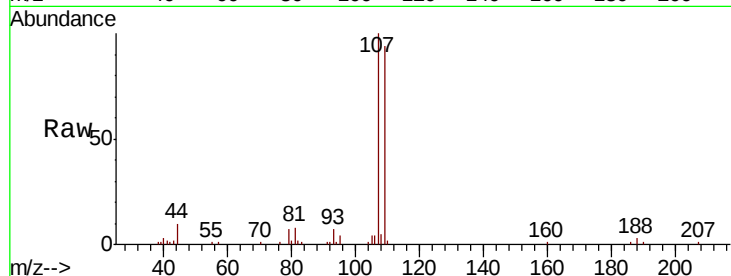
109 93.6 73.7 110.5

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

20000

15000

10000

5000

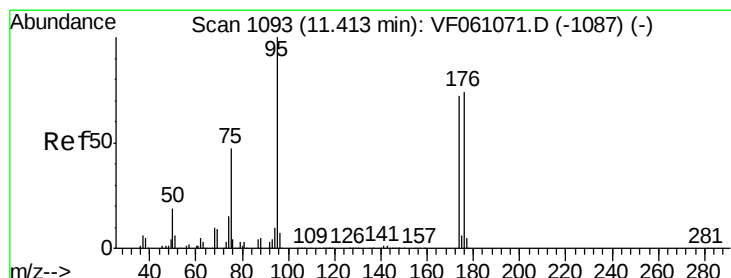
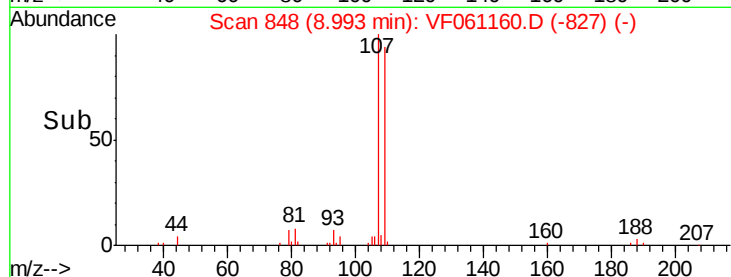
0

8.90

9.00

9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 45.170 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

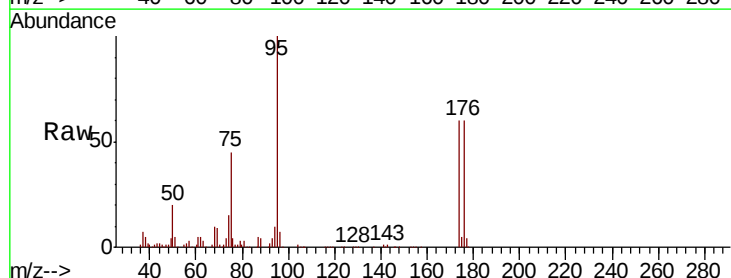
Tgt Ion: 95 Resp: 177344

Ion Ratio Lower Upper

95 100

174 60.2 0.0 143.8

176 60.0 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

100000

50000

0

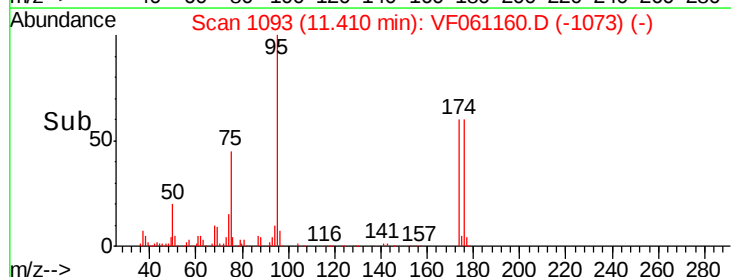
11.30

11.40

11.50

11.60

Time-->





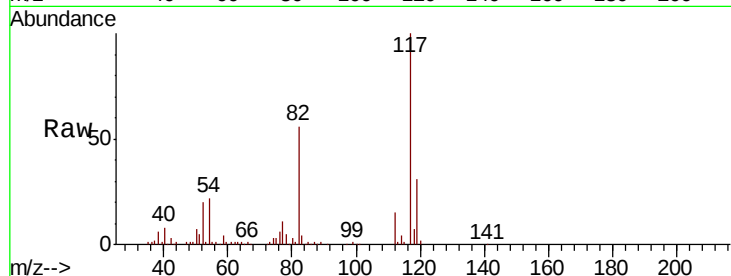
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

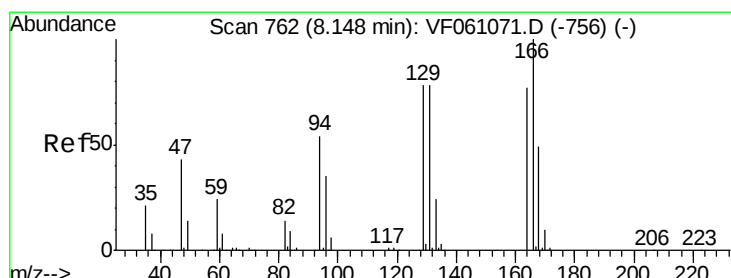
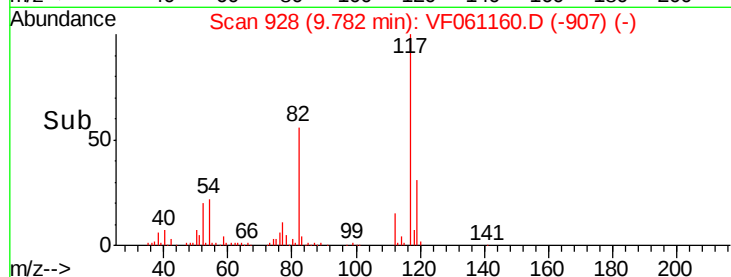
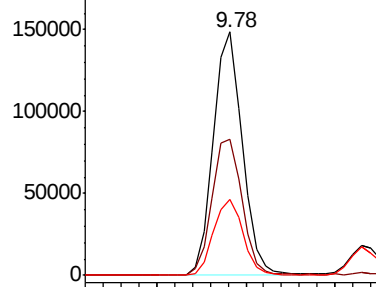
Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	55.9	45.0	67.4	
119	31.4	24.8	37.2	

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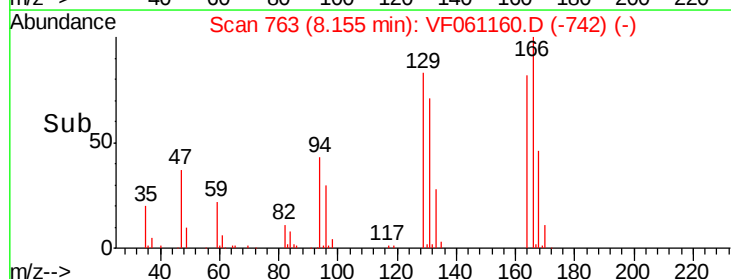
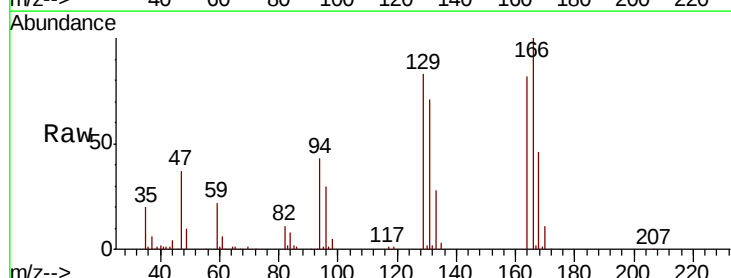
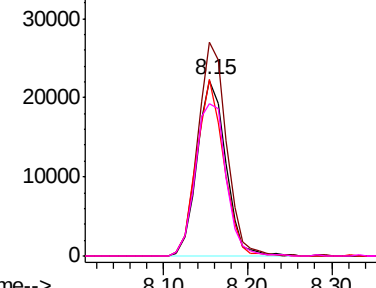
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 20.218 ug/l
RT: 8.15 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	121.6	104.0	156.0	
129	100.3	81.1	121.7	
131	86.9	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





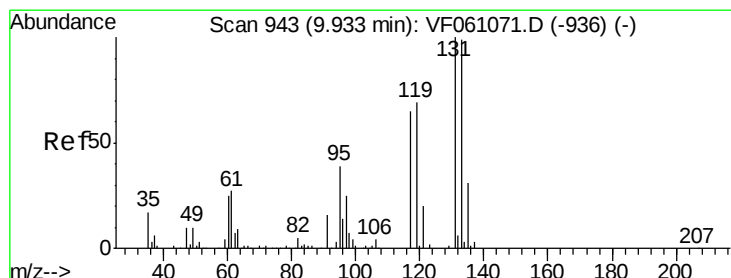
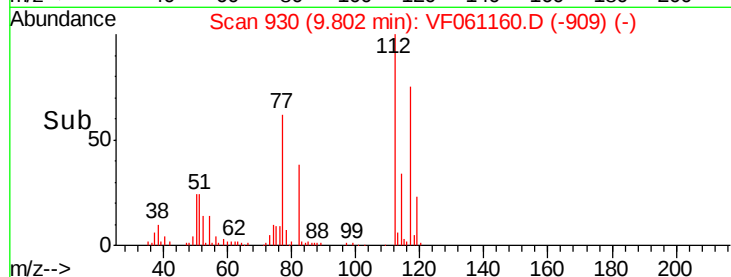
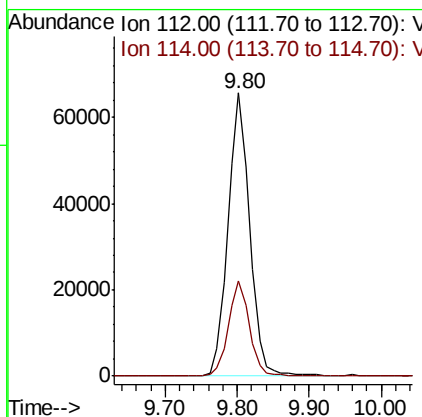
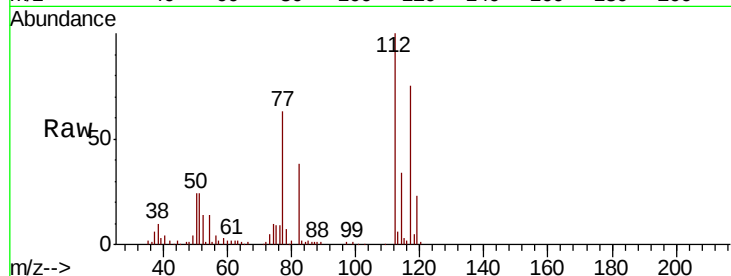
#65
Chlorobenzene
Concen: 19.842 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	27.8	41.6

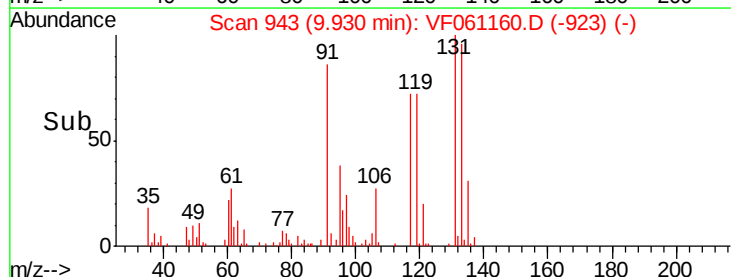
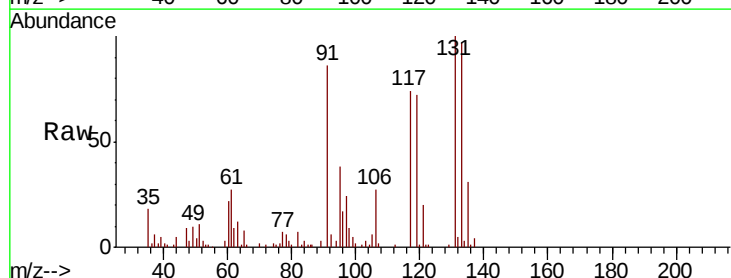
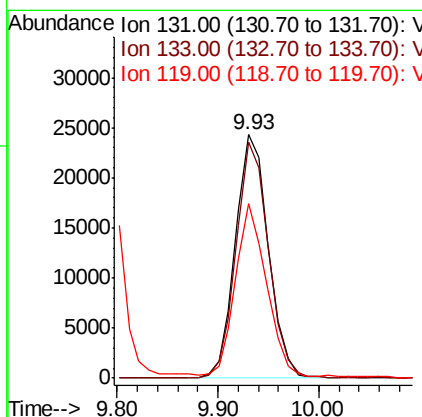
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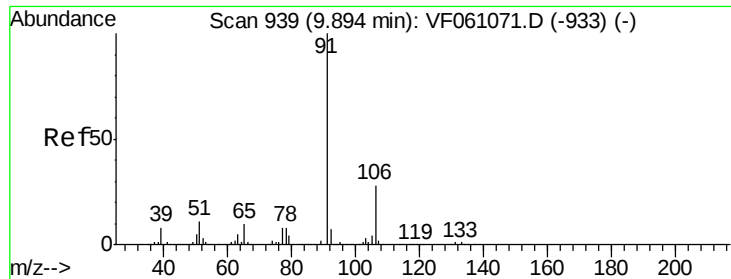
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.529 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	49.5	148.7
119	71.7	34.5	103.5





#67

Ethyl Benzene

Concen: 20.207 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 91 Resp: 255967

Ion Ratio Lower Upper

91 100

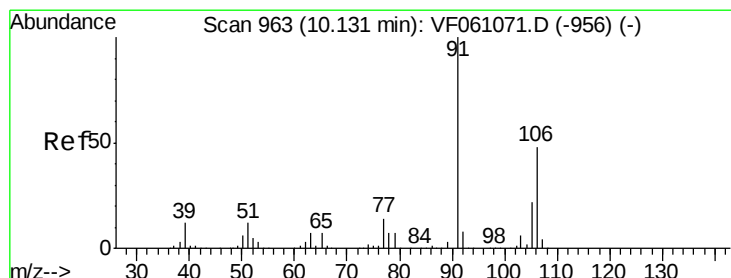
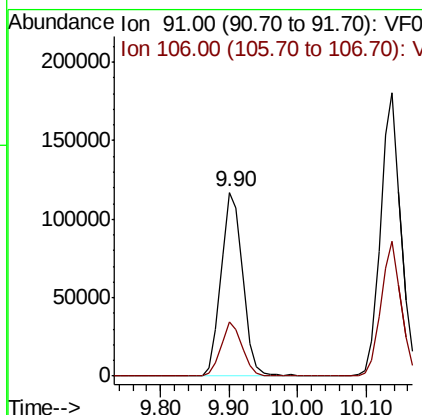
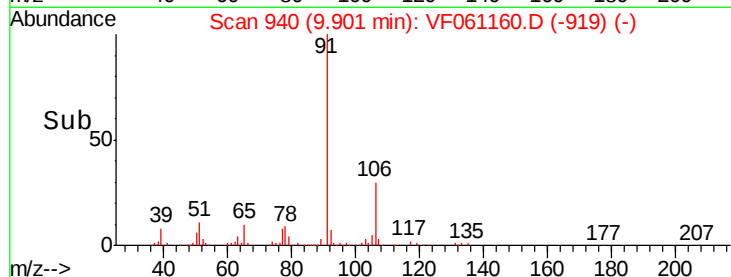
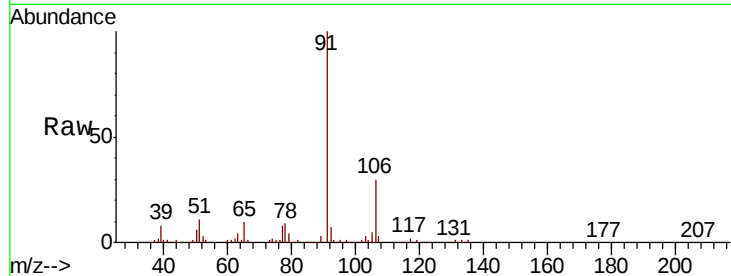
106 29.6 22.5 33.7

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#68

m/p-Xylenes

Concen: 39.696 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF061160.D

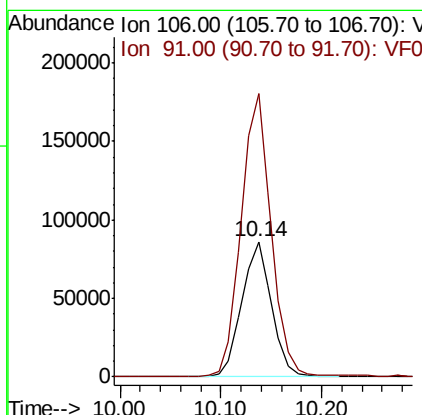
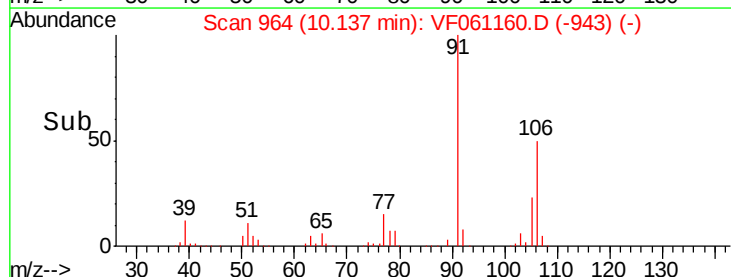
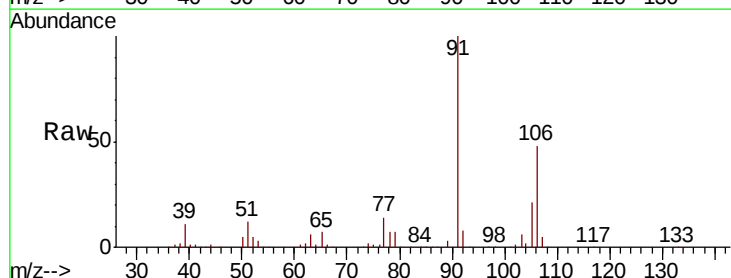
Acq: 24 Dec 2018 12:48

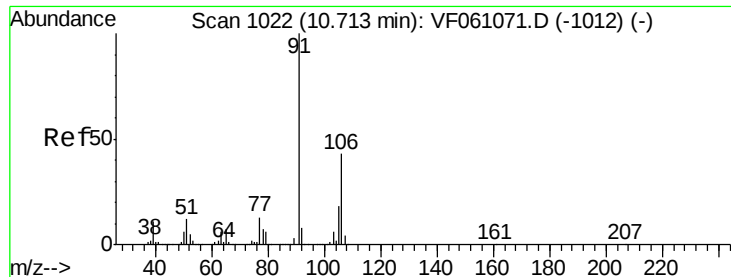
Tgt Ion: 106 Resp: 176966

Ion Ratio Lower Upper

106 100

91 209.8 168.2 252.2





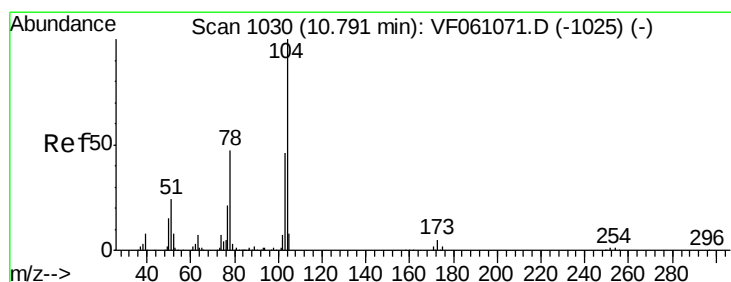
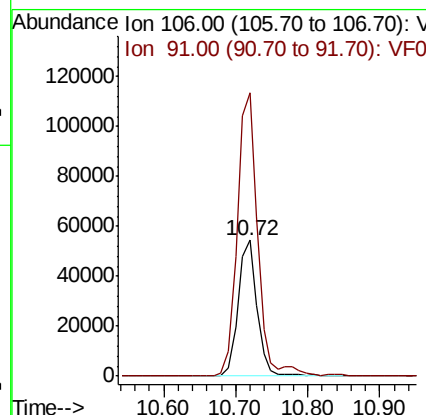
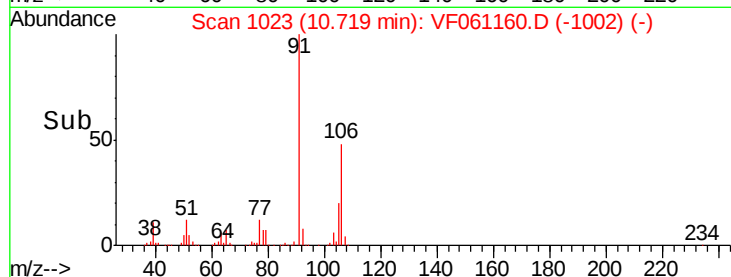
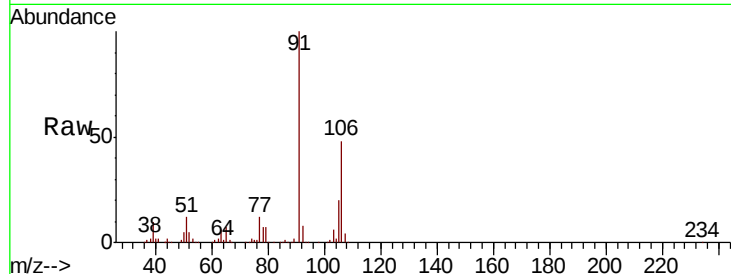
#69
o-Xylene
Concen: 20.310 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	208.3	115.9	347.7		

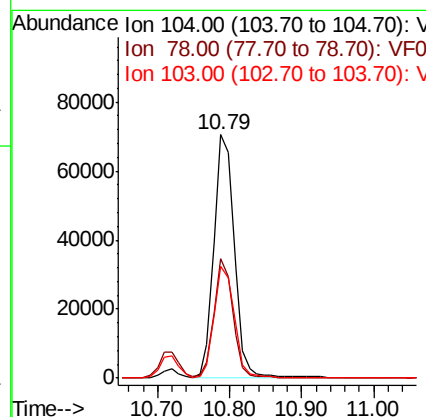
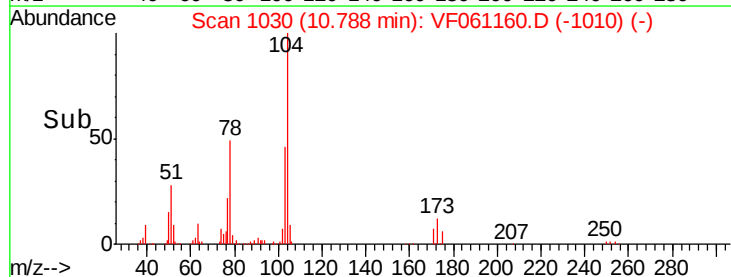
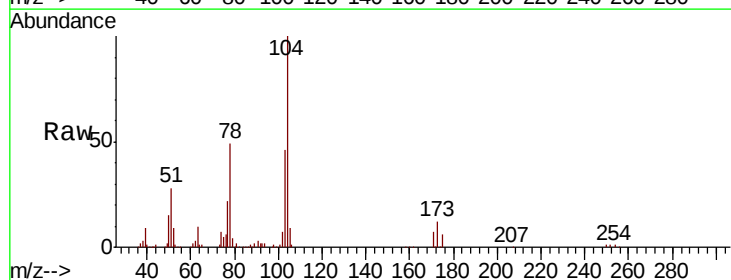
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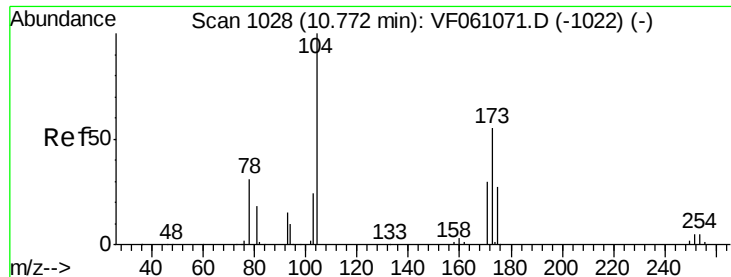
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#70
Styrene
Concen: 19.942 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.1	38.4	57.6		
103	45.7	37.0	55.6		





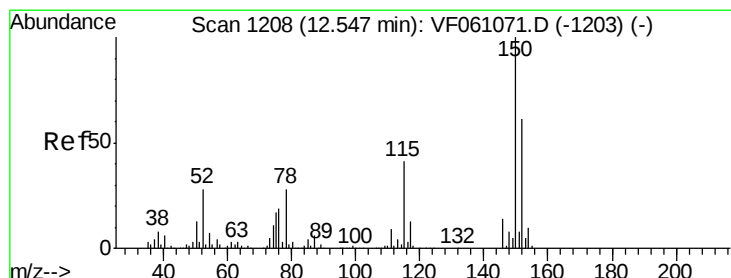
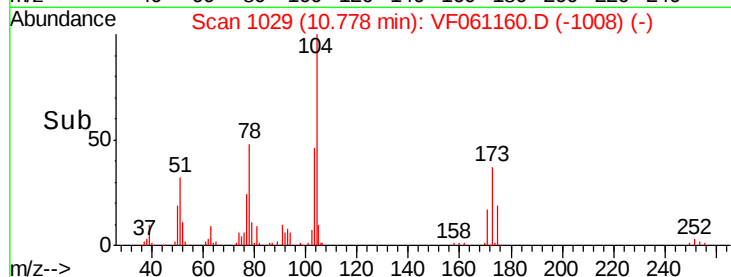
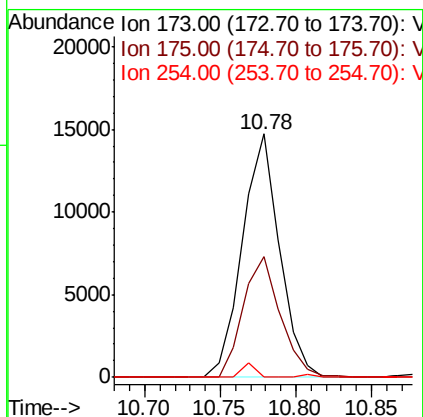
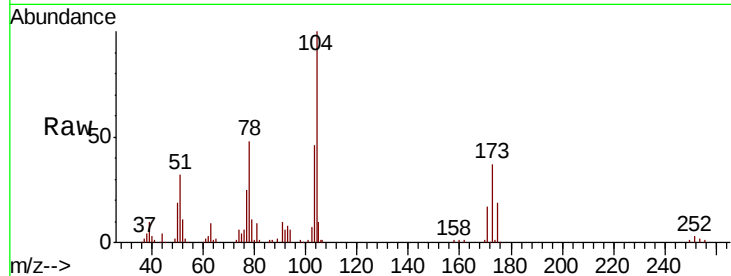
#71
Bromoform
Concen: 19.217 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.8	74.4
254	0.0	0.0	0.0

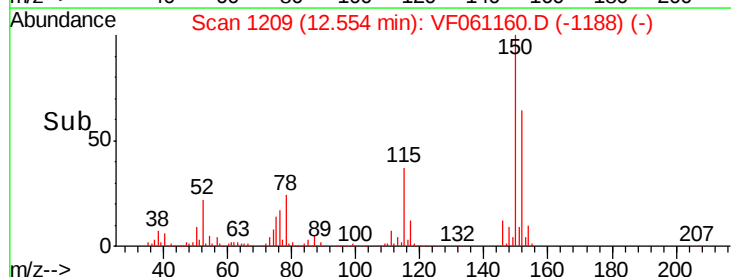
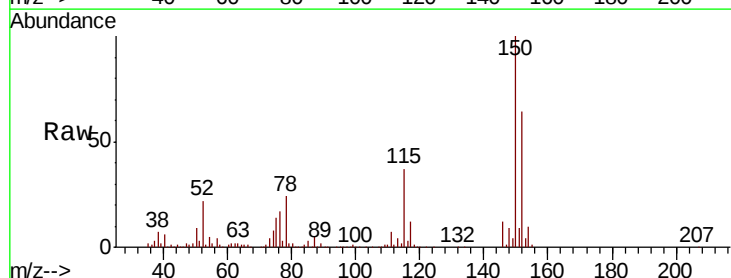
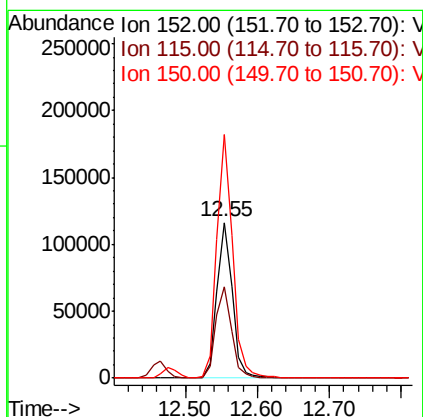
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	33.3	99.9
150	156.2	0.0	328.2





#73

Isopropylbenzene

Concen: 19.937 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 105 Resp: 292099

Ion Ratio Lower Upper

105 100

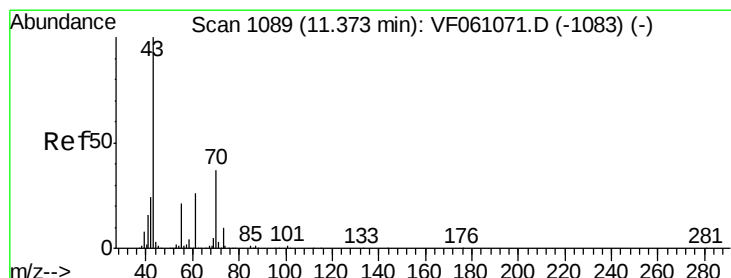
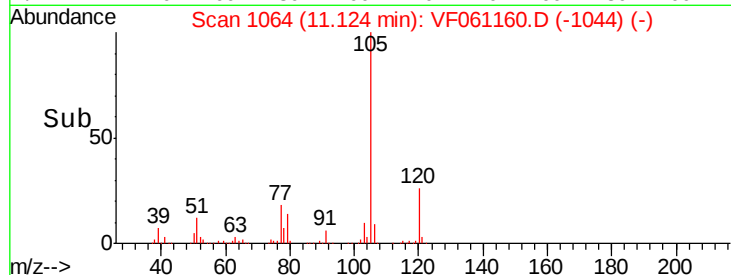
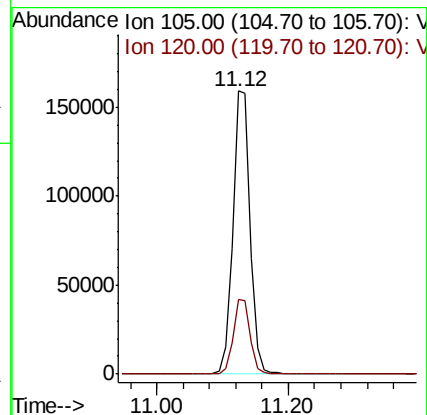
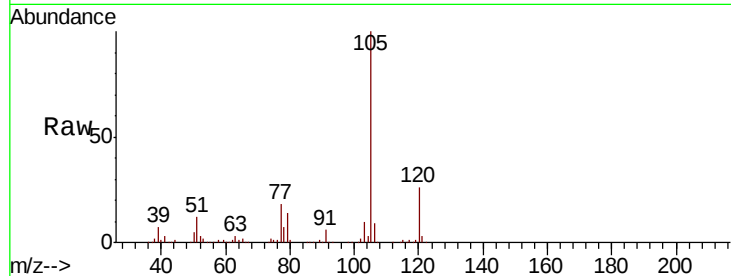
120 26.3 13.0 39.0

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#74

N-ethyl acetate

Concen: 22.293 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Tgt Ion: 43 Resp: 72512

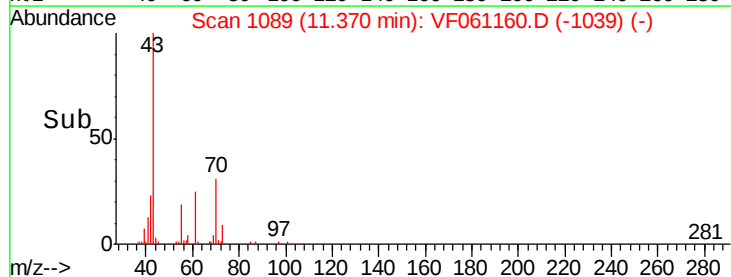
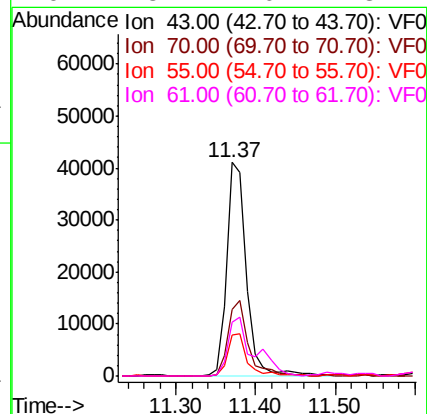
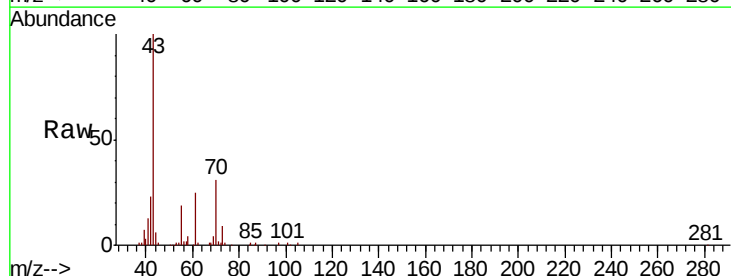
Ion Ratio Lower Upper

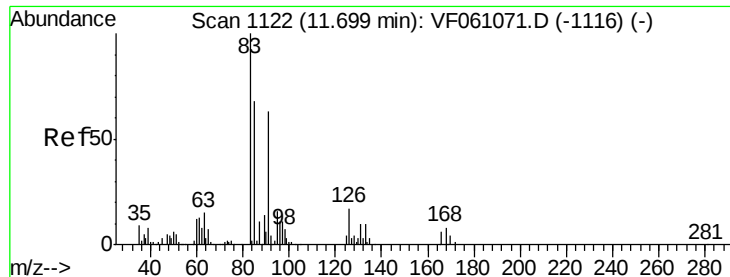
43 100

70 31.2 29.2 43.8

55 19.4 16.5 24.7

61 25.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.474 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

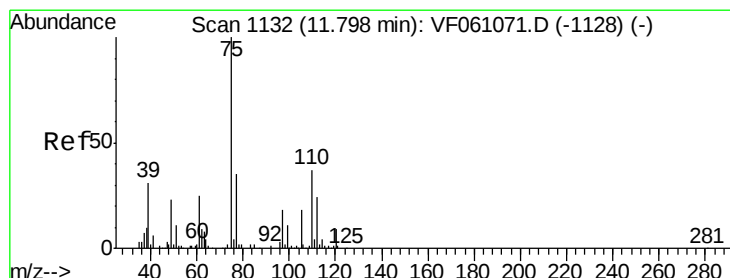
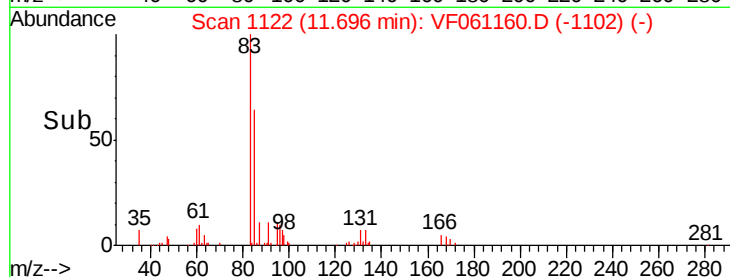
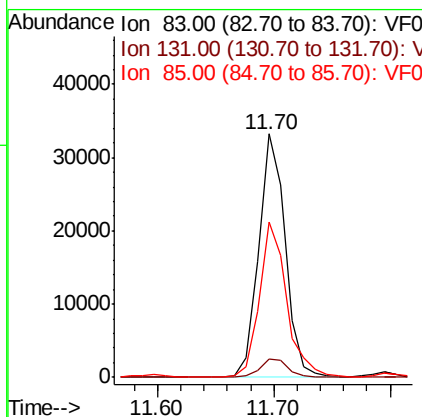
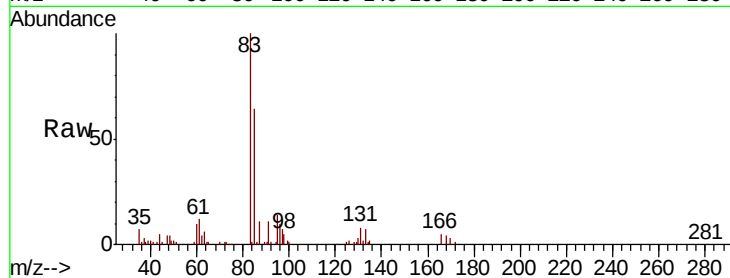
ClientSampleId :

VF1224SBS01

Tot Ion:	83	Resp:	52215
Ion Ratio	Lower	Upper	
83	100		
131	7.8	4.8	14.3
85	63.7	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 19.675 ug/l

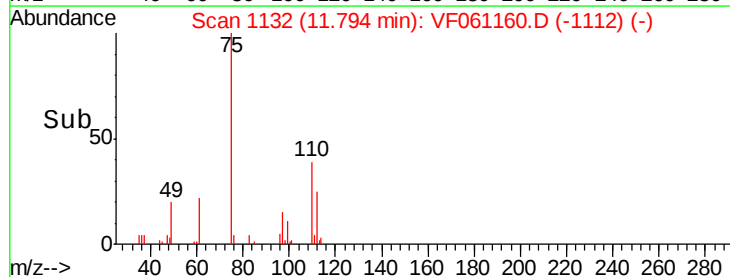
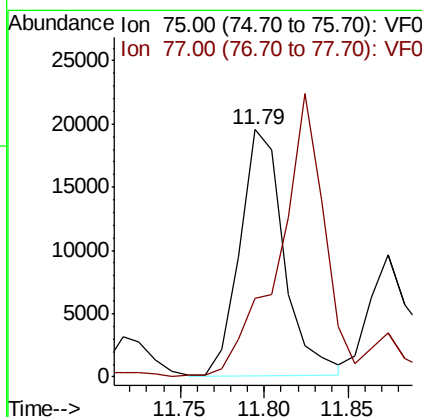
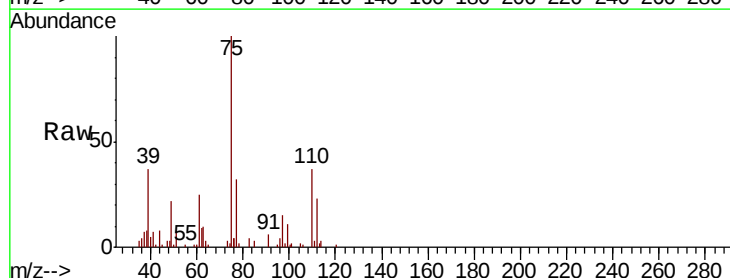
RT: 11.79 min Scan# 1132

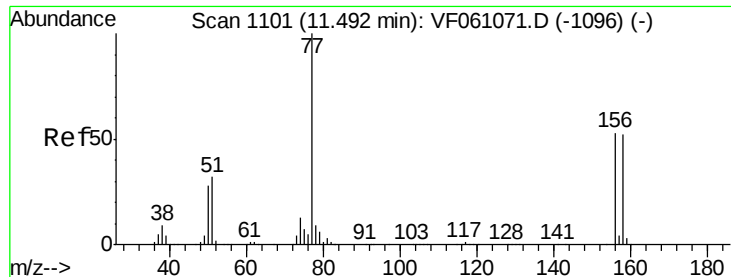
Delta R.T. -0.00 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Tgt Ion:	75	Resp:	35604
Ion Ratio	Lower	Upper	
75	100		
77	31.9	17.6	52.9





#77

Bromobenzene

Concen: 18.373 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

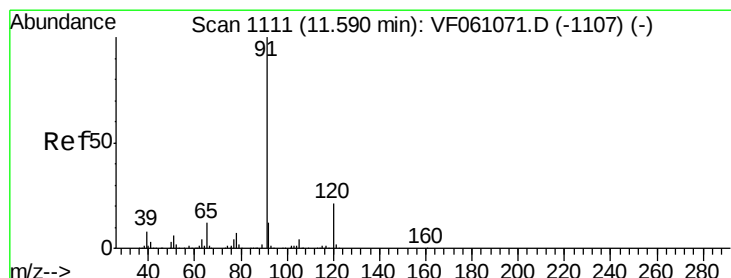
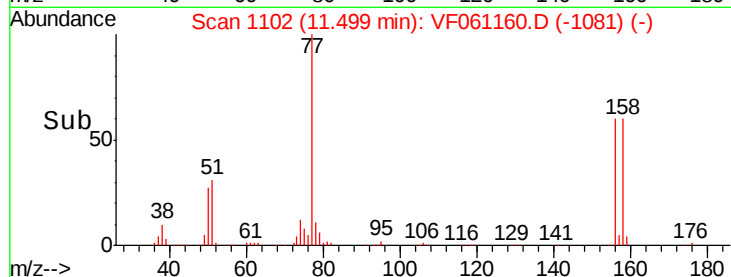
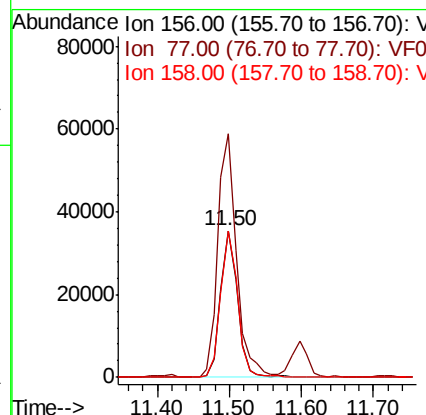
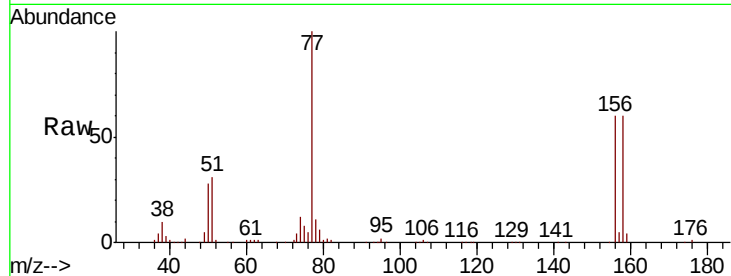
ClientSampleId :

VF1224SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	165.9	93.8	281.4		
158	99.4	48.9	146.8		

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#78

n-propylbenzene

Concen: 18.681 ug/l

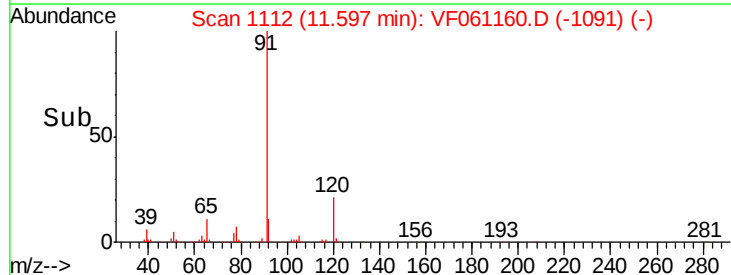
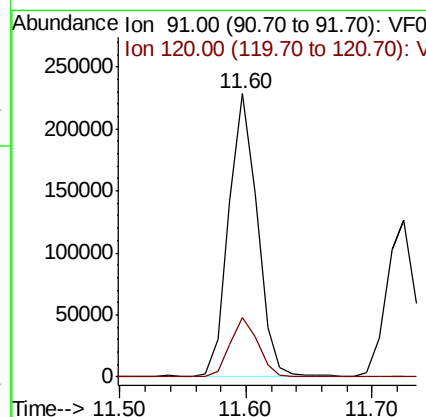
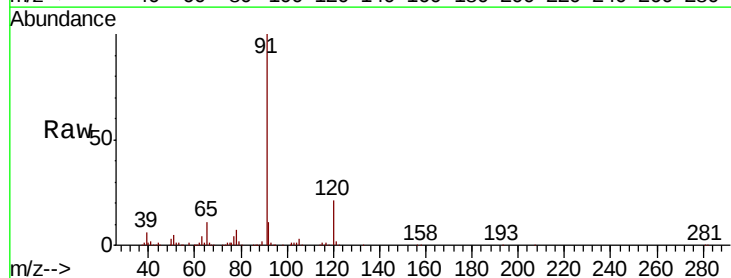
RT: 11.60 min Scan# 1112

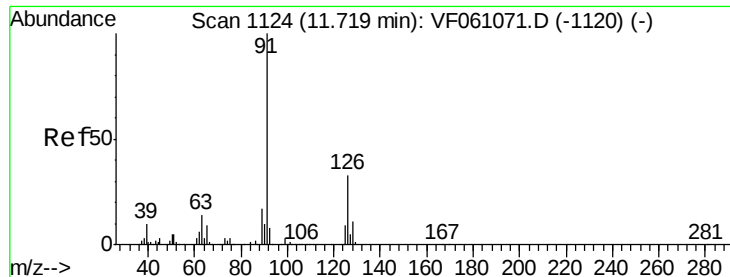
Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	20.9	10.4	31.2		





#79

2-Chlorotoluene

Concen: 19.751 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 91 Resp: 198504

Ion Ratio Lower Upper

91 100

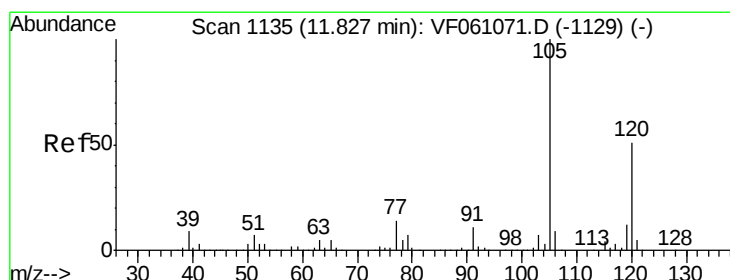
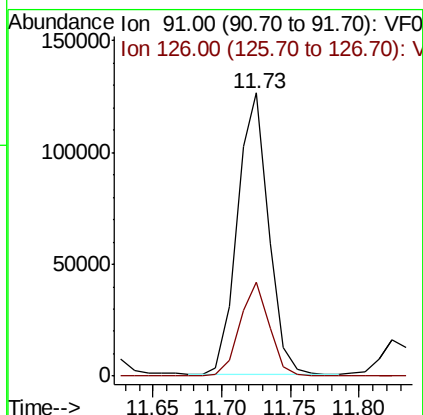
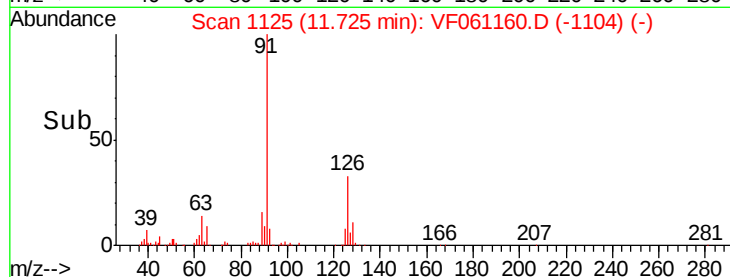
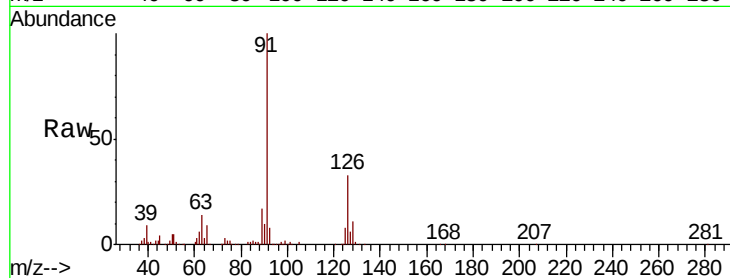
126 33.2 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 19.576 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061160.D

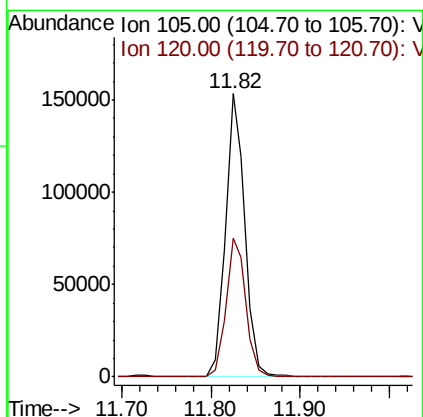
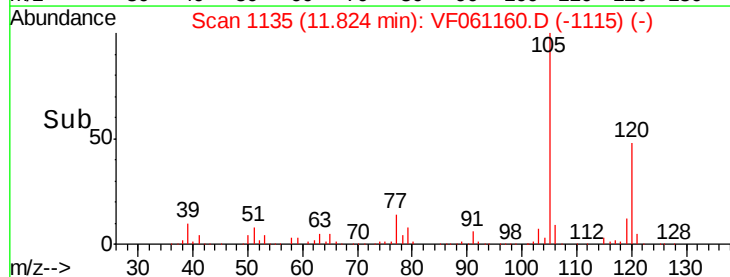
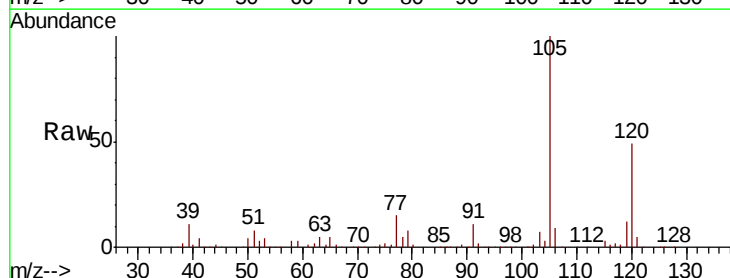
Acq: 24 Dec 2018 12:48

Tgt Ion: 105 Resp: 236168

Ion Ratio Lower Upper

105 100

120 49.1 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.892 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF061160.D

Acq: 24 Dec 2018 12:48

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 75 Resp: 16245

Ion Ratio Lower Upper

75 100

53 74.3 74.1 111.1

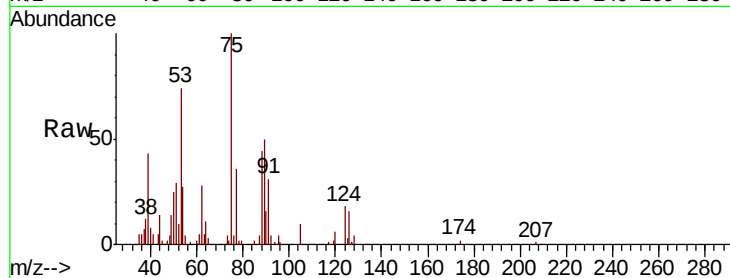
89 50.2 42.6 64.0

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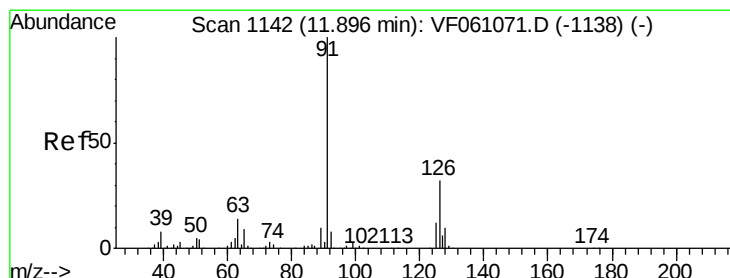
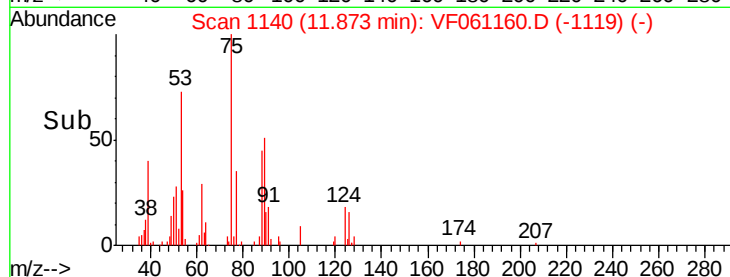
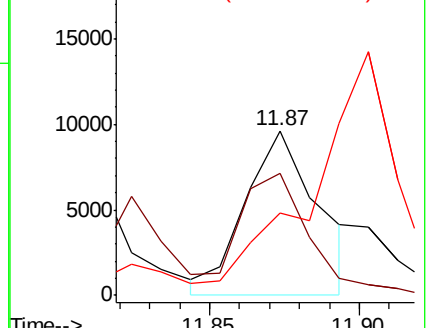
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 18.810 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF061160.D

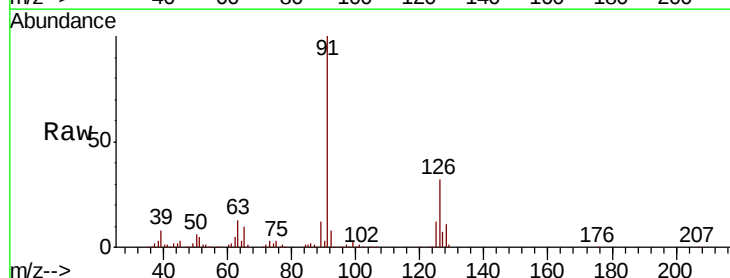
Acq: 24 Dec 2018 12:48

Tgt Ion: 91 Resp: 195563

Ion Ratio Lower Upper

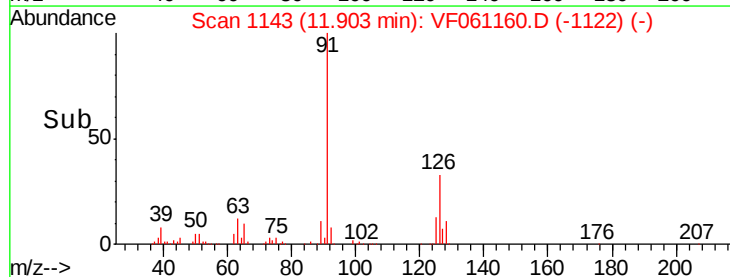
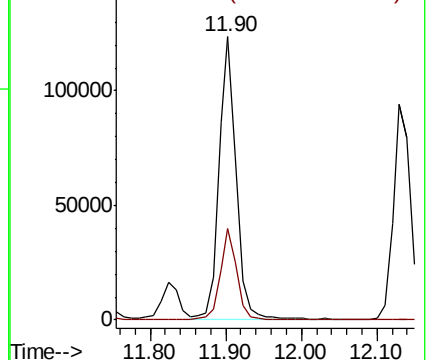
91 100

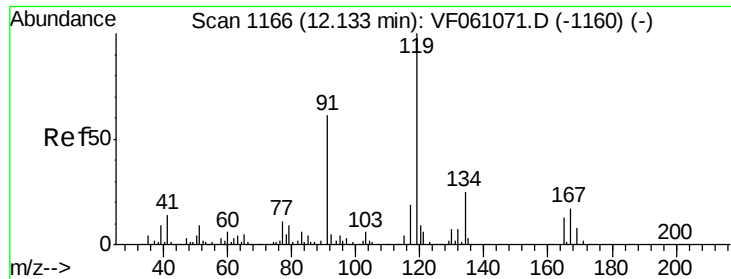
126 32.1 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





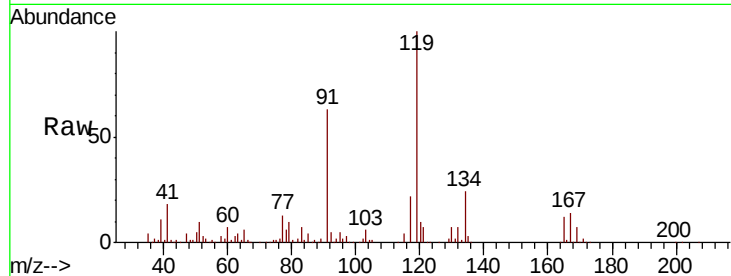
#83
tert-Butylbenzene
Concen: 19.650 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.00 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

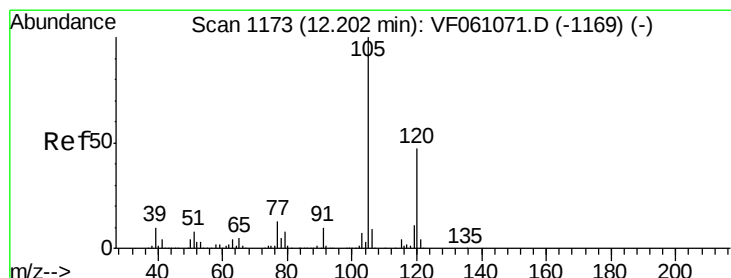
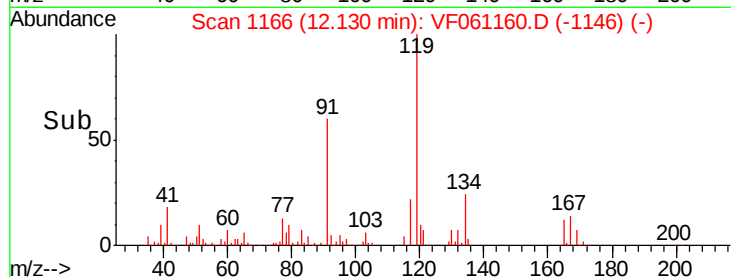
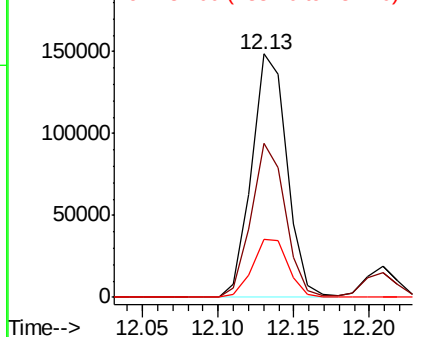
Tot Ion	Ratio	Resp	Lower	Upper
119	100	243941		
91	63.2	30.5	91.5	
134	23.7	12.4	37.4	

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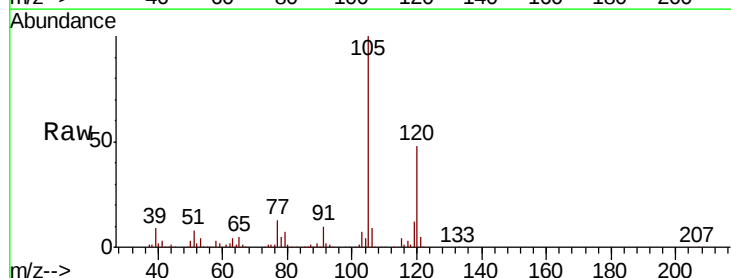


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

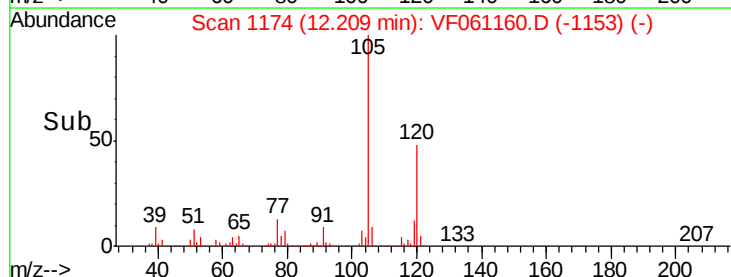
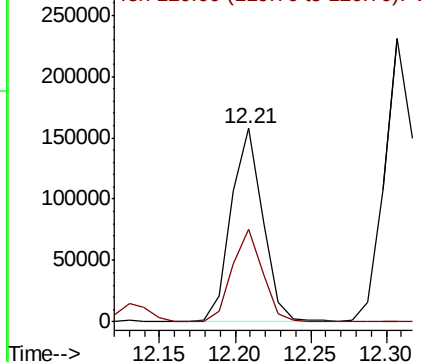


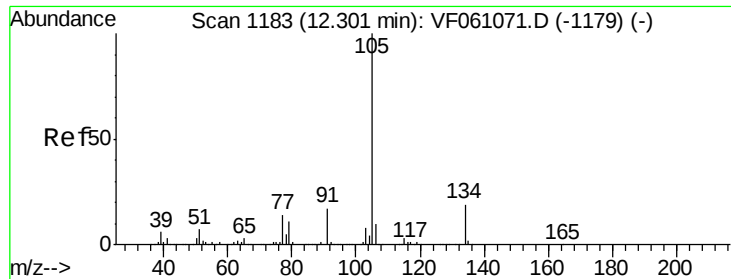
#84
1,2,4-Trimethylbenzene
Concen: 19.044 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	229104		
120	48.1	23.6	71.0	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





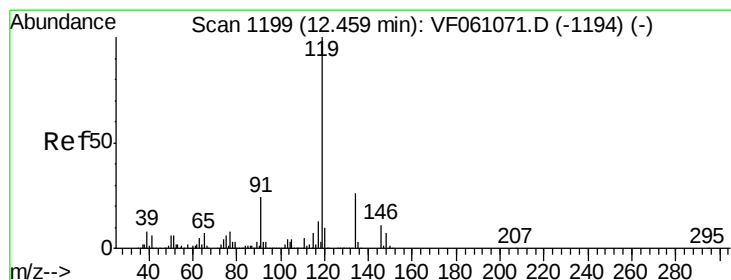
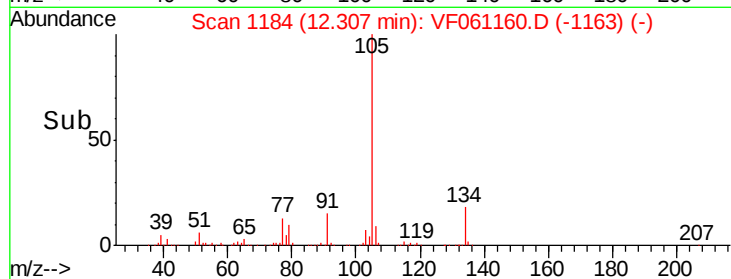
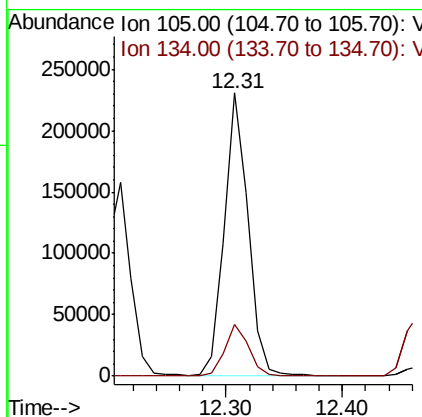
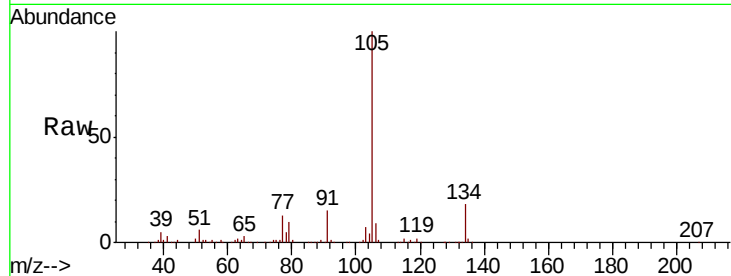
#85
 sec-Butylbenzene
 Concen: 20.145 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	326358		
134	18.1	9.4	28.2	

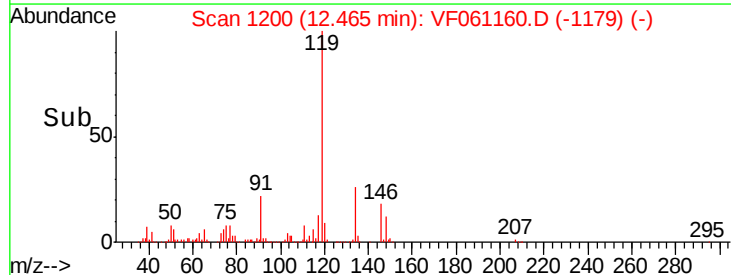
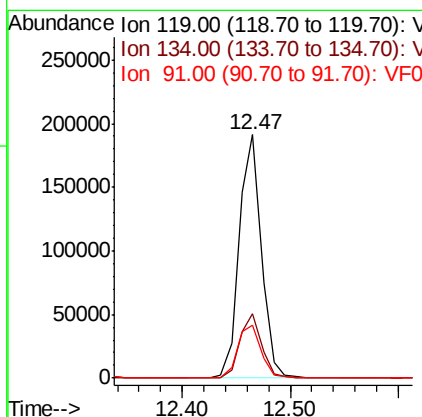
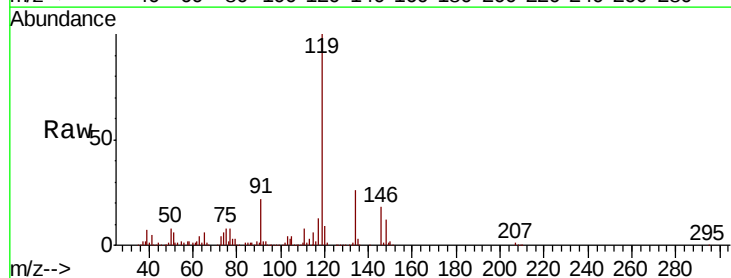
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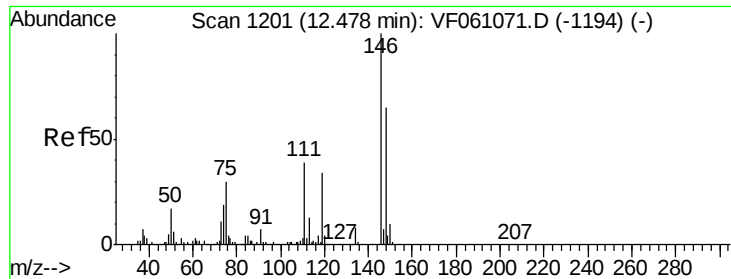
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#86
 p-Isopropyltoluene
 Concen: 20.293 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	272878		
134	26.3	12.8	38.4	
91	21.9	12.2	36.6	





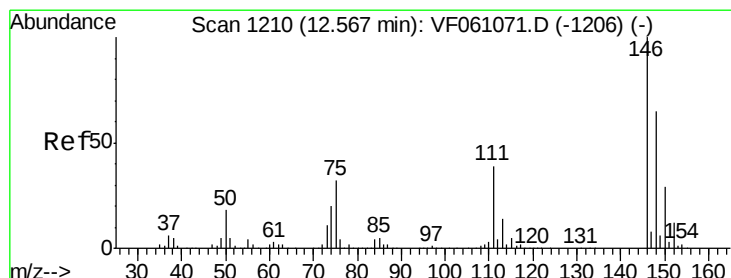
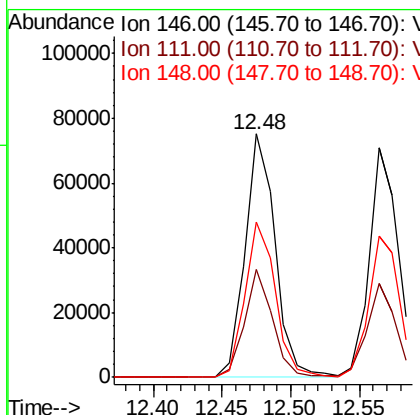
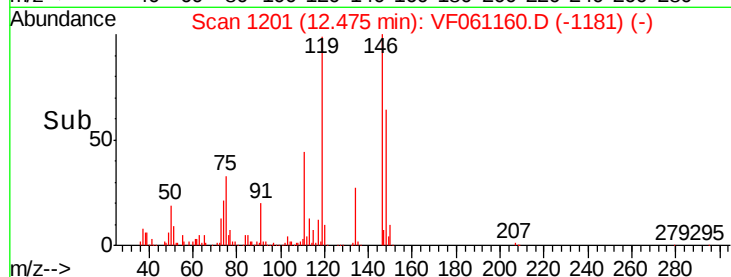
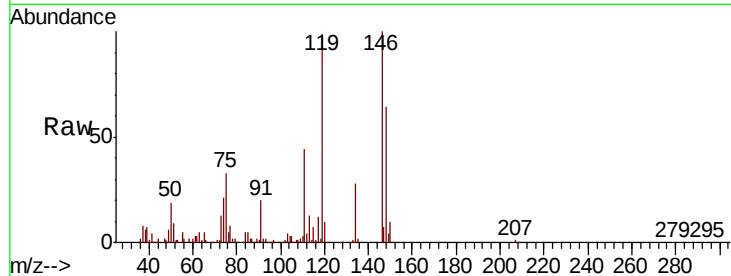
#87
 1,3-Dichlorobenzene
 Concen: 19.068 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	19.3	57.9
148	64.0	32.4	97.2

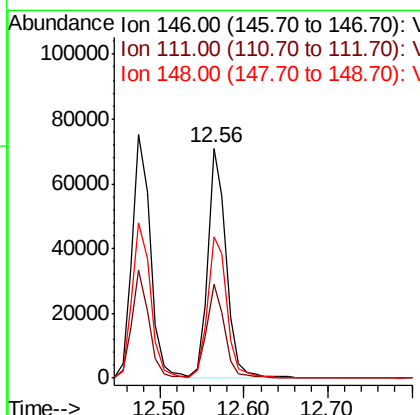
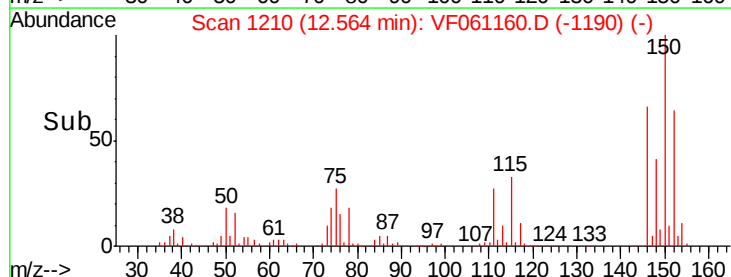
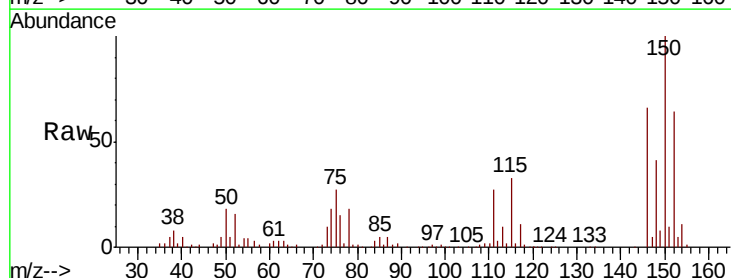
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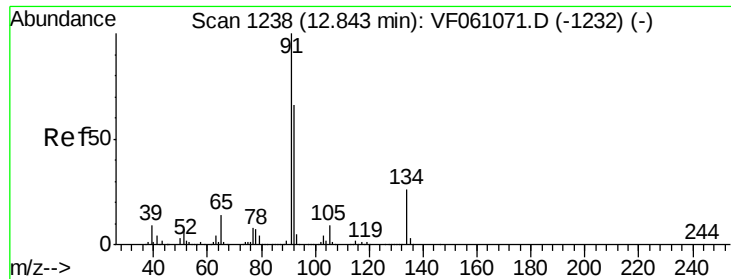
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#88
 1,4-Dichlorobenzene
 Concen: 18.417 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.4	58.4
148	61.5	32.4	97.0





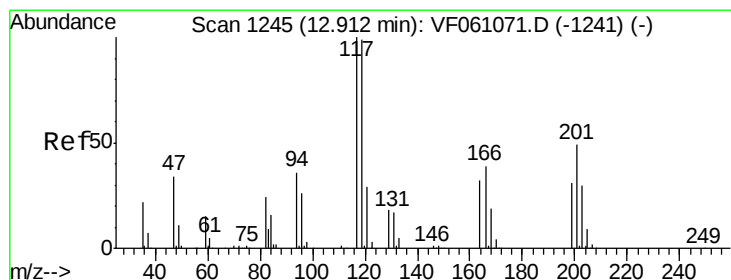
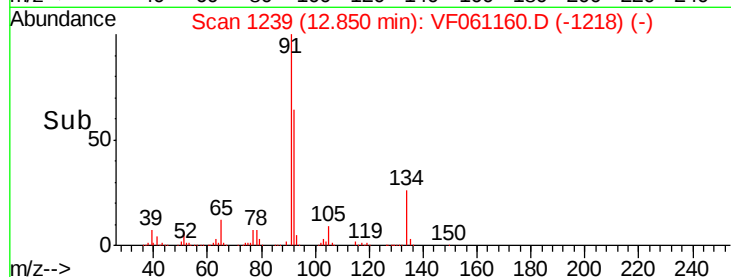
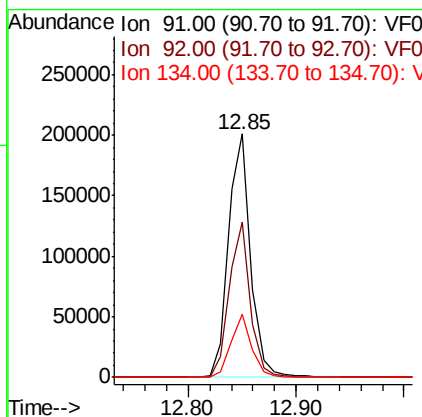
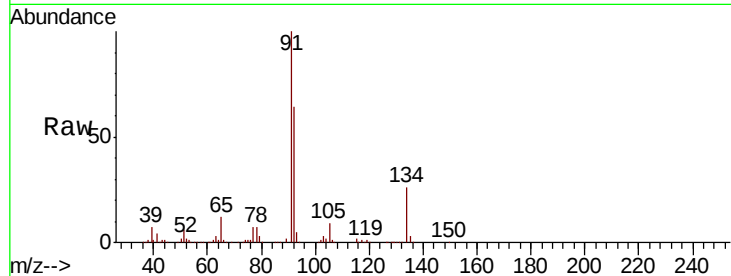
#89
n-Butylbenzene
Concen: 18.340 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.0	32.8	98.4
134	25.8	13.2	39.5

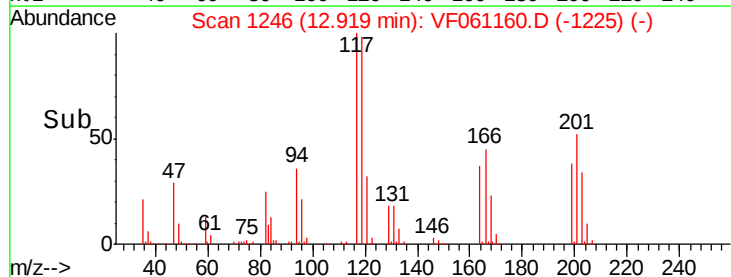
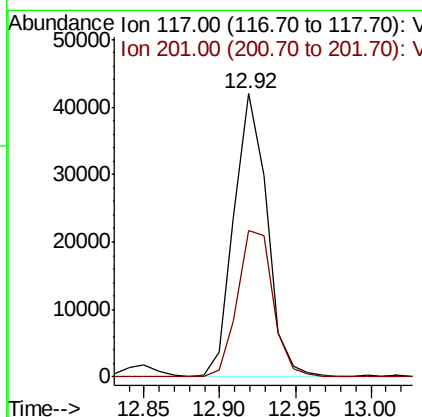
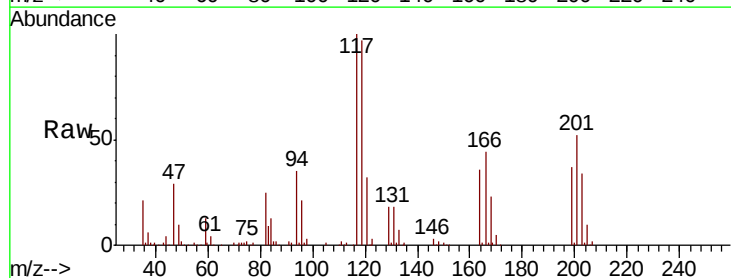
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#90
Hexachloroethane
Concen: 19.281 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	51.8	24.9	74.8





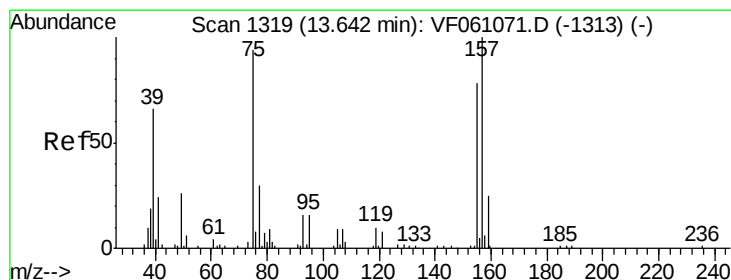
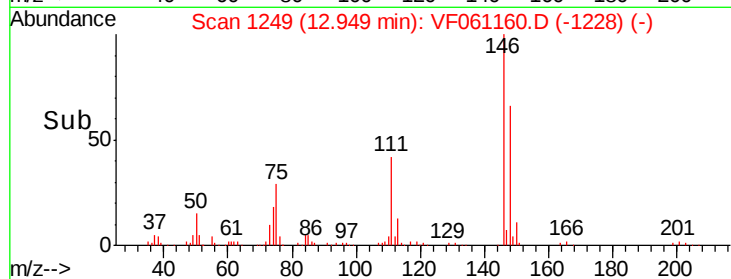
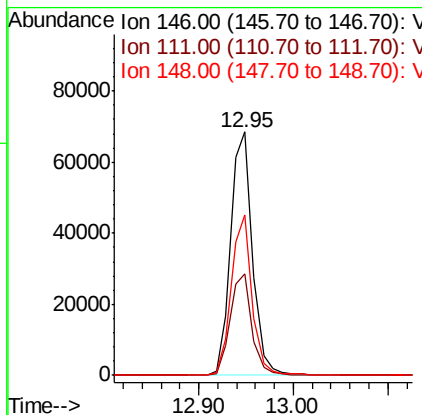
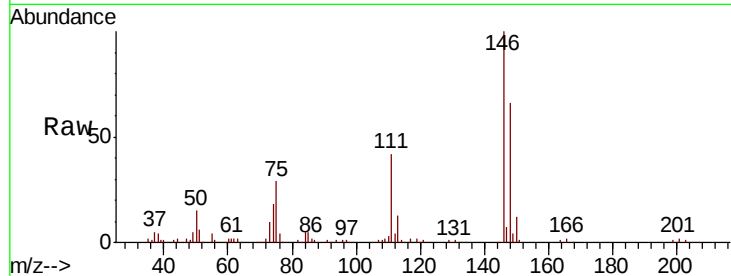
#91
 1,2-Dichlorobenzene
 Concen: 19.465 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	23.2	69.5
148	66.1	32.4	97.0

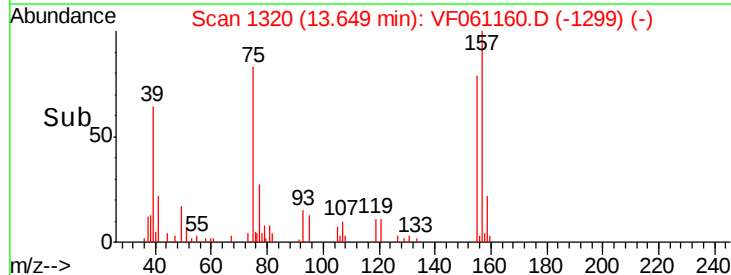
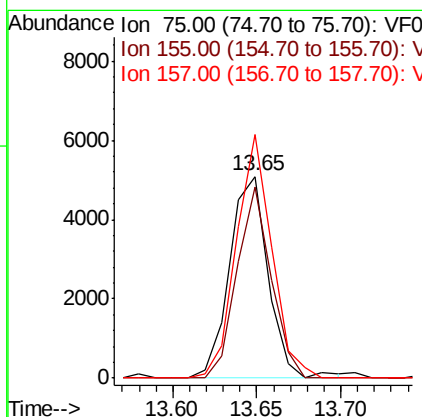
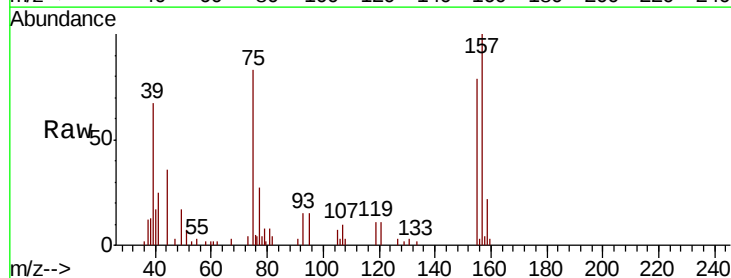
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.182 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: VF061160.D
 Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	41.5	124.5
157	120.9	53.2	159.6





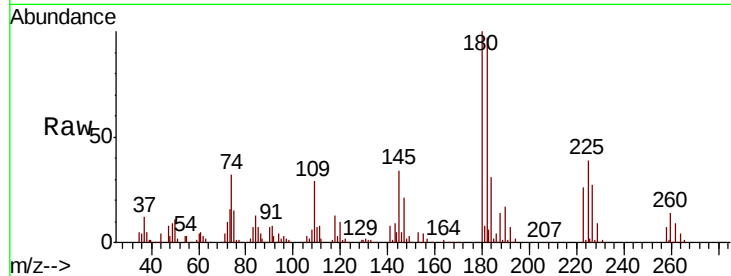
#93
1,2,4-Trichlorobenzene
Concen: 19.322 ug/l
RT: 14.20 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	77263		
182	96.9	46.9	140.6	
145	34.2	20.5	61.6	

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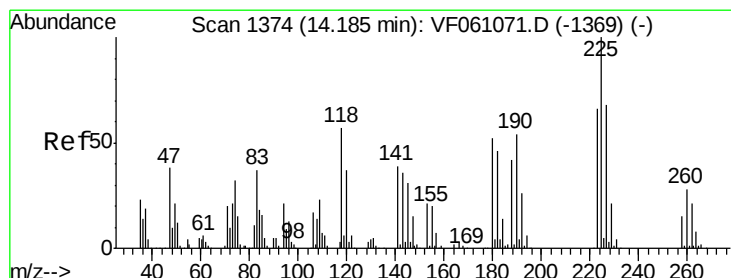
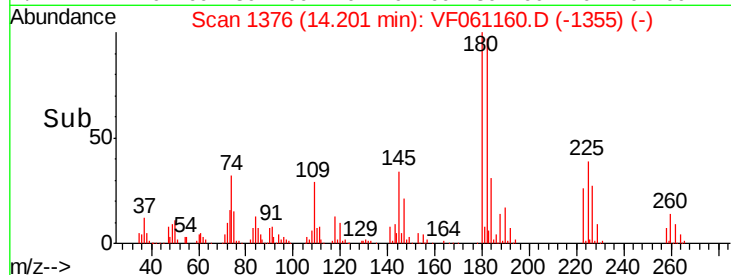
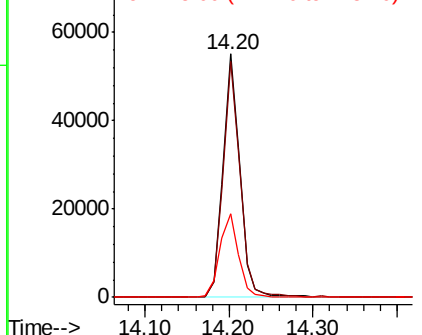


Abundance

Ion 180.00 (179.70 to 180.70): V

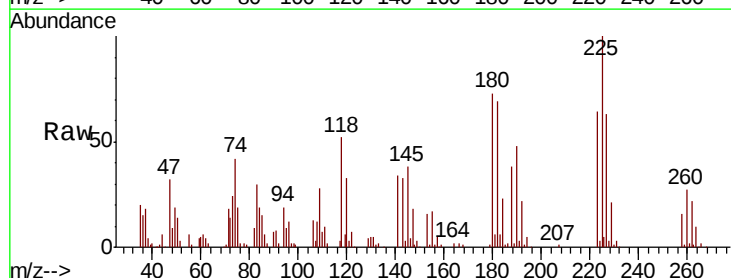
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 18.321 ug/l
RT: 14.19 min Scan# 1375
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46660		
223	64.2	32.8	98.3	
227	63.3	34.0	101.8	

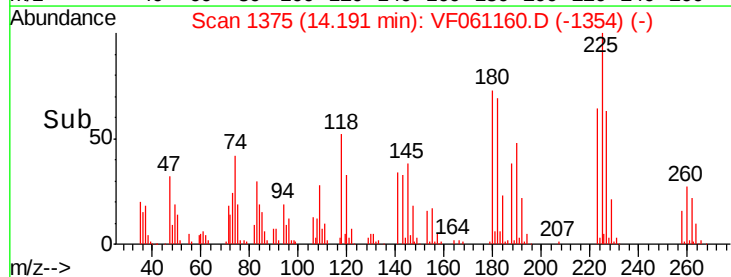
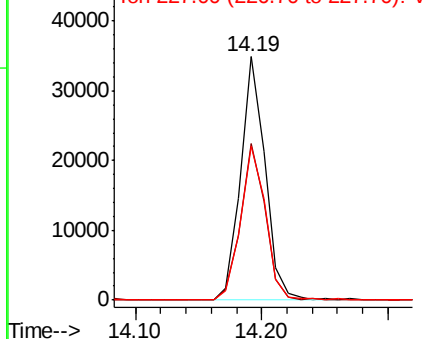


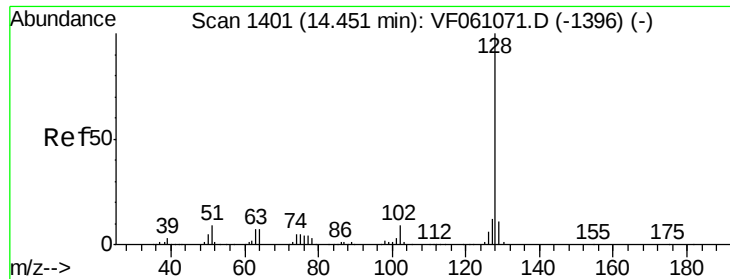
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





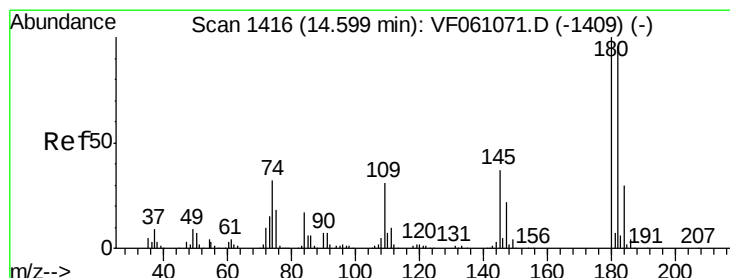
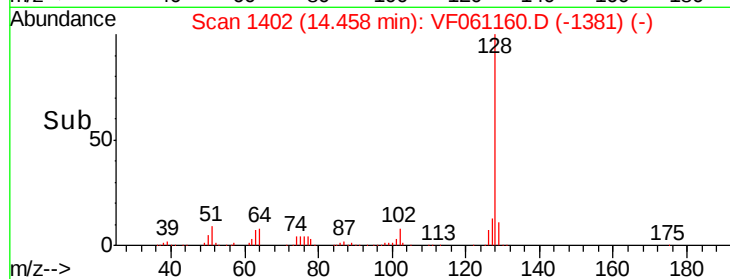
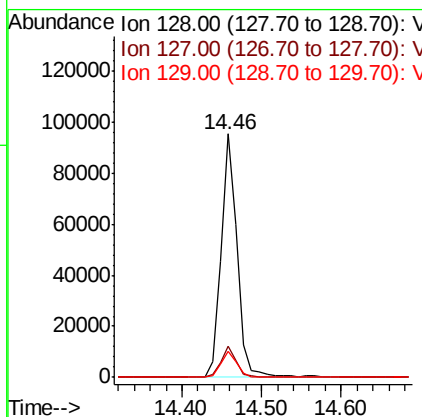
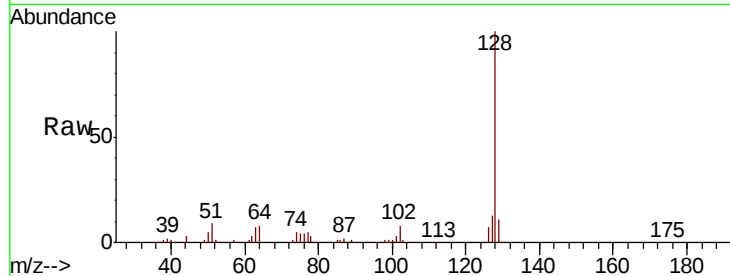
#95
Naphthalene
Concen: 18.712 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	136628		
127	13.0		9.4	14.2
129	10.7		8.8	13.2

Manual Integrations
APPROVED

apatel
12/27/2018 12:57:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.626 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF061160.D
Acq: 24 Dec 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	72550		
182	91.6		47.9	143.8
145	34.4		18.6	55.8

