

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122618\
 Data File : VF061182.D
 Acq On : 26 Dec 2018 12:15
 Operator : VA/AP
 Sample : VF1226SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Manual Integrations
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 12/27/2018 4:18:52 PM

Quant Time: Dec 27 08:14:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	175527	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	305346	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	277668	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	149297	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	114779	50.84	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.68%	
35) Dibromofluoromethane	4.09	113	127861	52.27	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.54%	
50) Toluene-d8	7.53	98	352148	50.80	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.40	95	167357	52.37	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	76035	19.487	ug/l	95
3) Chloromethane	1.09	50	51394	22.995	ug/l	91
4) Vinyl Chloride	1.14	62	42866	20.675	ug/l	99
5) Bromomethane	1.34	94	30552	21.245	ug/l	94
6) Chloroethane	1.38	64	21574	22.582	ug/l	97
7) Trichlorofluoromethane	1.49	101	88331	22.312	ug/l	95
8) Diethyl Ether	1.62	74	11127	20.525	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.82	101	44164	21.516	ug/l	99
10) Methyl Iodide	1.89	142	68213m	21.082	ug/l	
11) Tert butyl alcohol	2.55	59	9814	107.725	ug/l #	92
12) 1,1-Dichloroethene	1.77	96	33706	21.784	ug/l	97
13) Acrolein	1.99	56	7013m	106.532	ug/l	
14) Allyl chloride	2.09	41	45685	28.373	ug/l	96
15) Acrylonitrile	2.93	53	24081	114.310	ug/l	96
16) Acetone	2.23	43	51316	113.703	ug/l	96
17) Carbon Disulfide	1.83	76	96763	20.694	ug/l	98
18) Methyl Acetate	2.33	43	22290	23.872	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	73718	21.465	ug/l	98
20) Methylene Chloride	2.23	84	52011m	34.688	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	35085	21.201	ug/l	93
22) Diisopropyl ether	2.79	45	115444	21.524	ug/l	95
23) Vinyl Acetate	3.17	43	283205	114.457	ug/l	99
24) 1,1-Dichloroethane	2.86	63	71279	22.430	ug/l	99
25) 2-Butanone	4.32	43	84611	115.597	ug/l	99
26) 2,2-Dichloropropane	3.59	77	45111	24.736	ug/l	96
27) cis-1,2-Dichloroethene	3.46	96	53722	21.205	ug/l	96
28) Bromochloromethane	3.71	49	35275	21.877	ug/l	97
29) Tetrahydrofuran	4.05	42	35860	120.372	ug/l	96
30) Chloroform	3.84	83	107225	22.503	ug/l	99
31) Cyclohexane	3.68	56	72233	21.905	ug/l	94
32) 1,1,1-Trichloroethane	4.07	97	71766	25.128	ug/l	94
36) 1,1-Dichloropropene	4.26	75	71942	19.519	ug/l	99
37) Ethyl Acetate	4.09	43	29472	18.438	ug/l #	79
38) Carbon Tetrachloride	3.97	117	63464	22.610	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	76471	23.127	ug/l	99
40) Benzene	4.61	78	164754	20.786	ug/l	91
41) Methacrylonitrile	4.72	41	16479	21.171	ug/l #	80
42) 1,2-Dichloroethane	4.93	62	61479	20.418	ug/l	98
43) Isopropyl Acetate	6.95	43	37875	21.282	ug/l	96
44) Trichloroethene	5.49	130	54562	21.834	ug/l	91
45) 1,2-Dichloropropane	6.22	63	47426	21.993	ug/l	94
46) Dibromomethane	6.07	93	28109	20.097	ug/l	95
47) Bromodichloromethane	6.37	83	77681	21.376	ug/l	95
48) Methyl methacrylate	6.69	41	24083	19.384	ug/l	96
49) 1,4-Dioxane	6.69	88	3356	372.278	ug/l #	78
51) 4-Methyl-2-Pentanone	8.24	43	133304	109.218	ug/l	95
52) Toluene	7.60	92	110646	21.089	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	58584	19.983	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	77246	20.994	ug/l	95
55) 1,1,2-Trichloroethane	8.47	97	34645	22.026	ug/l	96
56) Ethyl methacrylate	8.61	69	37602	22.093	ug/l	89
57) 1,3-Dichloropropane	8.83	76	64301	22.603	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.28	63	33274	101.793	ug/l	99
59) 2-Hexanone	9.48	43	99726	112.984	ug/l	100
60) Dibromochloromethane	8.70	129	47604	21.113	ug/l	97
61) 1,2-Dibromoethane	8.96	107	36164	21.528	ug/l	99
64) Tetrachloroethene	8.13	164	45422	21.265	ug/l	96
65) Chlorobenzene	9.78	112	121659	21.209	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.91	131	50489	21.538	ug/l	95
67) Ethyl Benzene	9.88	91	232647	22.262	ug/l	98
68) m/p-Xylenes	10.12	106	172887	47.009	ug/l	94
69) o-Xylene	10.70	106	83324	20.428	ug/l	99
70) Styrene	10.78	104	126452	22.783	ug/l	98
71) Bromoform	10.76	173	23653	21.810	ug/l #	96
73) Isopropylbenzene	11.11	105	268574	20.875	ug/l	99
74) N-amyl acetate	11.36	43	59460	20.816	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	45967	21.527	ug/l	100
76) 1,2,3-Trichloropropane	11.78	75	32754	20.612	ug/l	99
77) Bromobenzene	11.48	156	56292	20.325	ug/l	99
78) n-propylbenzene	11.58	91	336690	20.166	ug/l	97
79) 2-Chlorotoluene	11.70	91	184084	20.857	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	218667	20.641	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	14679m	21.497	ug/l	
82) 4-Chlorotoluene	11.88	91	184002	20.153	ug/l	97
83) tert-Butylbenzene	12.12	119	226437	20.771	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	224999	21.298	ug/l	96
85) sec-Butylbenzene	12.30	105	305032	21.441	ug/l	99
86) p-Isopropyltoluene	12.44	119	247494	20.959	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	108581	20.892	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	106750	20.991	ug/l	97
89) n-Butylbenzene	12.83	91	264463	19.509	ug/l	93
90) Hexachloroethane	12.91	117	61091	20.940	ug/l	90
91) 1,2-Dichlorobenzene	12.93	146	103463	20.896	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7721	19.705	ug/l	99

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ClientSampleId :
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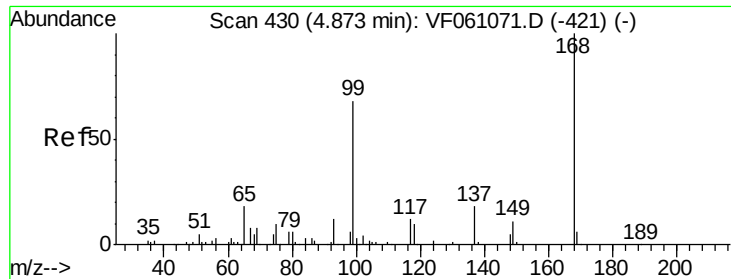
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	73147	20.831	ug/l	94
94) Hexachlorobutadiene	14.18	225	45892	20.520	ug/l	97
95) Naphthalene	14.45	128	125988	19.649	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	63814	19.659	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion:168 Resp: 175527

Ion Ratio Lower Upper

168 100

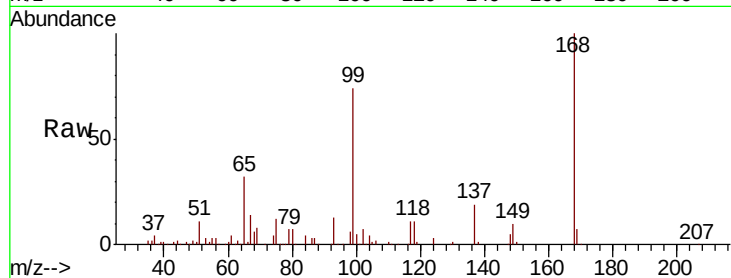
99 74.1 54.4 81.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

50000

40000

30000

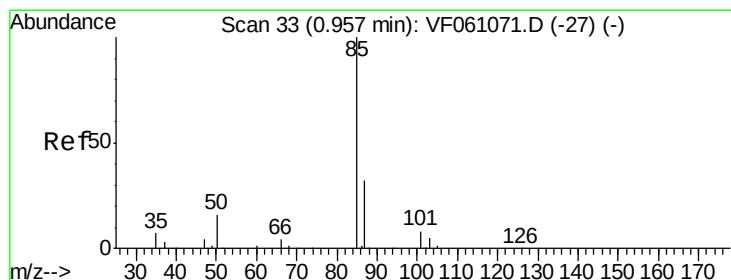
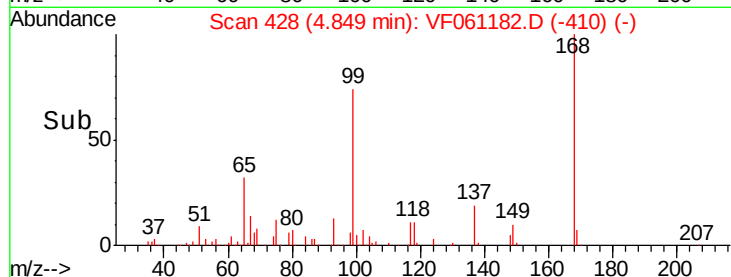
20000

10000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 19.487 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061182.D

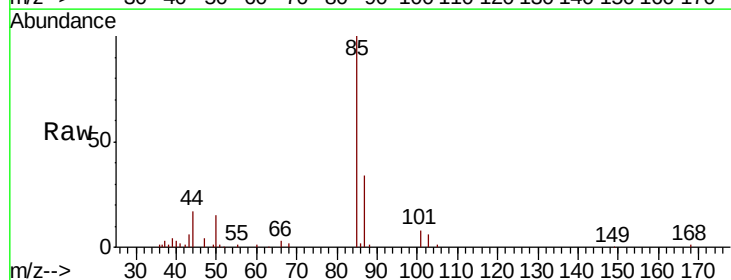
Acq: 26 Dec 2018 12:15

Tgt Ion: 85 Resp: 76035

Ion Ratio Lower Upper

85 100

87 34.5 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

25000

20000

15000

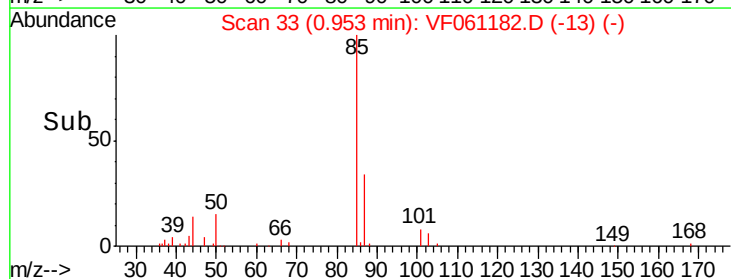
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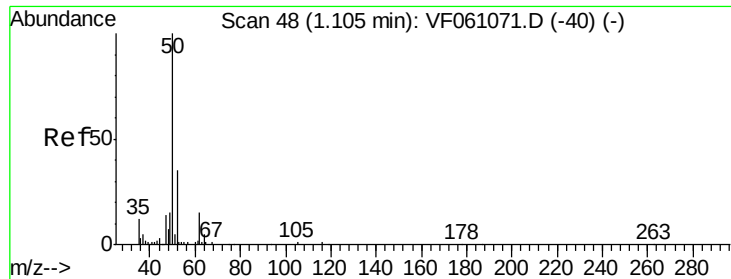
5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 22.995 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 50 Resp: 51394

Ion Ratio Lower Upper

50 100

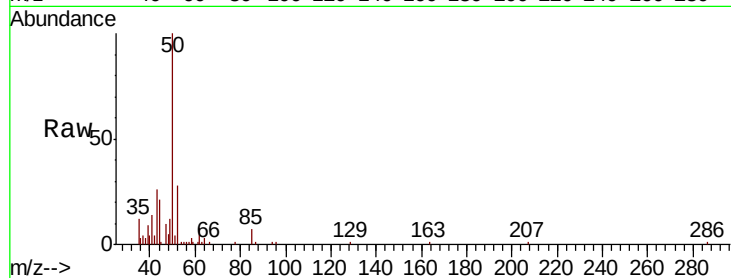
52 27.9 26.3 39.5

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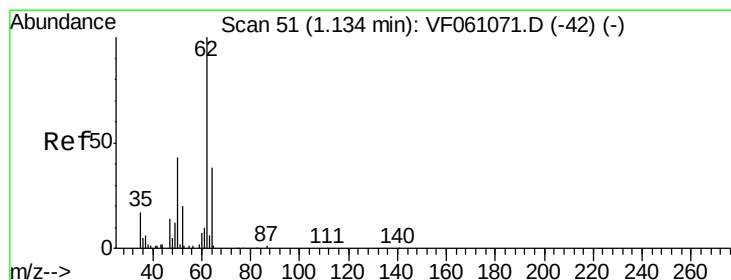
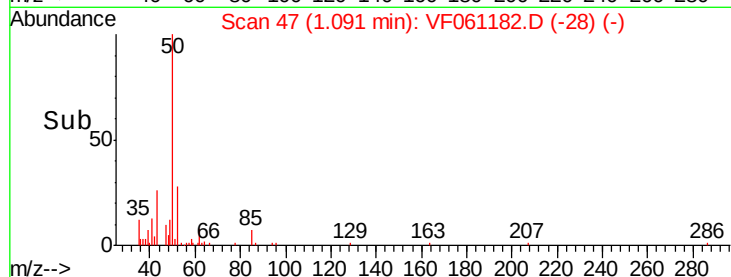
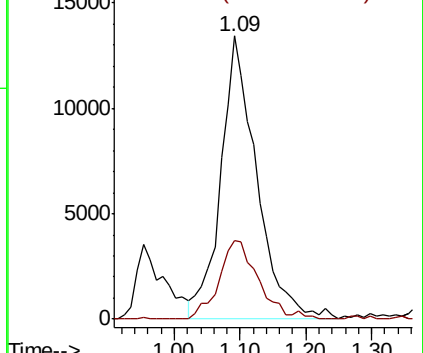
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 20.675 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061182.D

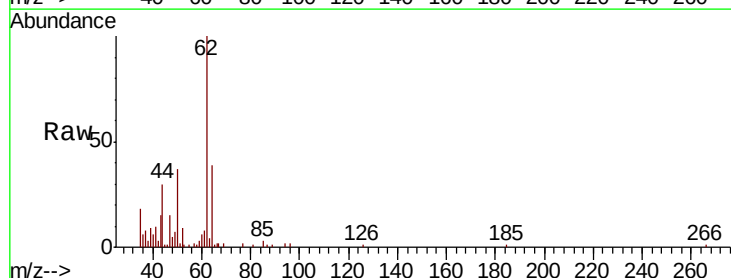
Acq: 26 Dec 2018 12:15

Tgt Ion: 62 Resp: 42866

Ion Ratio Lower Upper

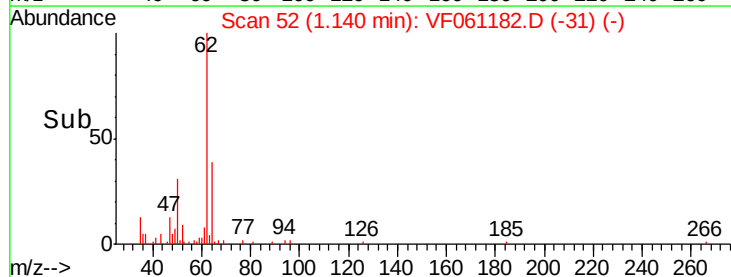
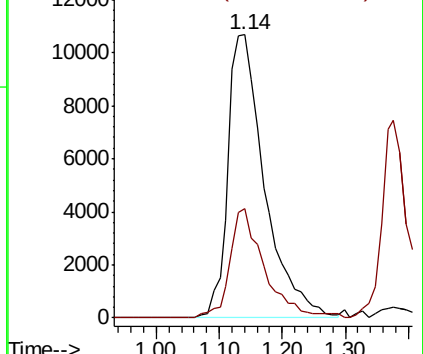
62 100

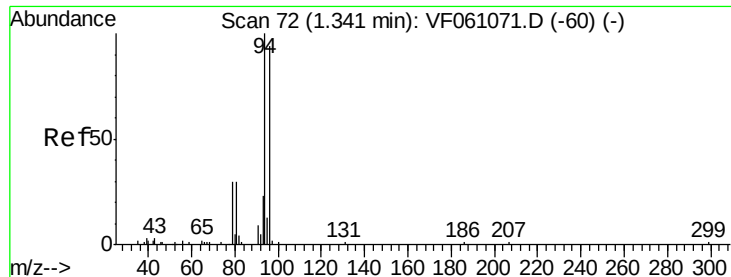
64 38.8 30.4 45.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.245 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 94 Resp: 30552

Ion Ratio Lower Upper

94 100

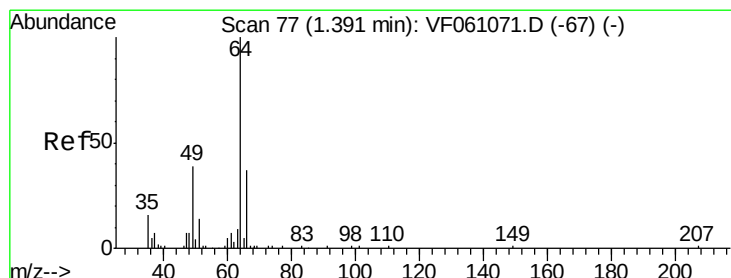
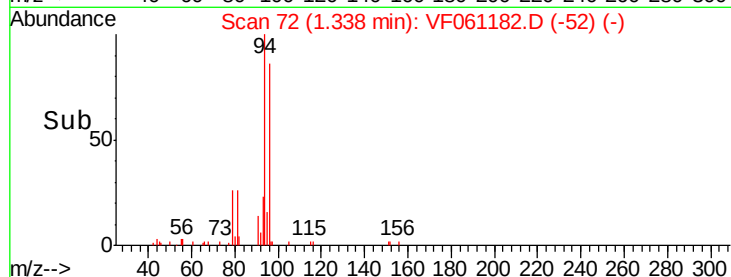
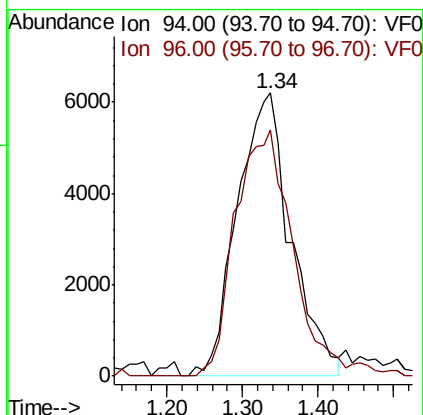
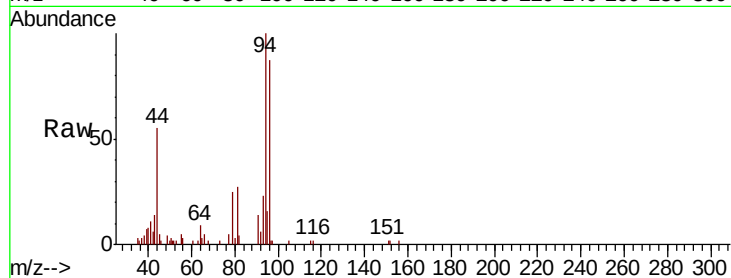
96 86.8 74.4 111.6

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#6

Chloroethane

Concen: 22.582 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061182.D

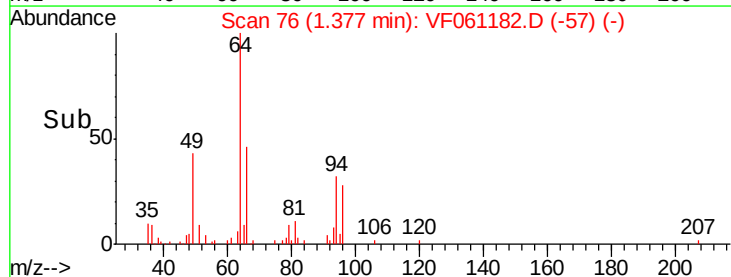
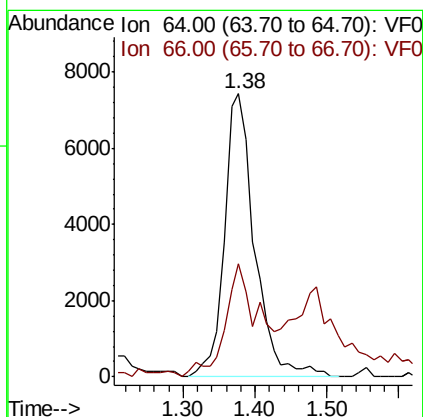
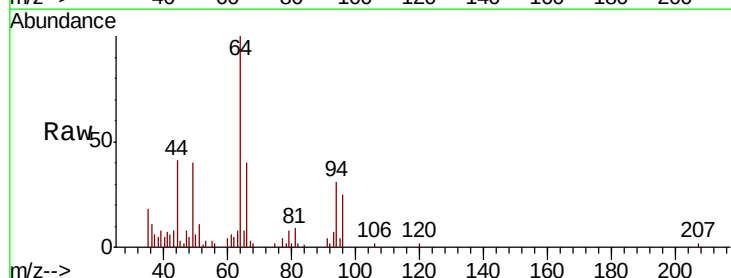
Acq: 26 Dec 2018 12:15

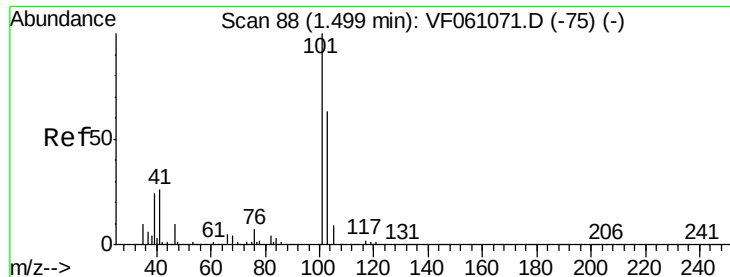
Tgt Ion: 64 Resp: 21574

Ion Ratio Lower Upper

64 100

66 40.2 30.9 46.3





#7

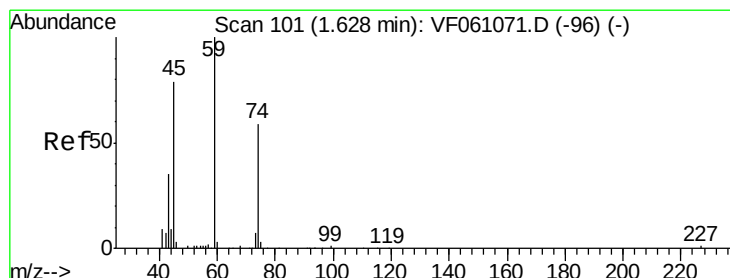
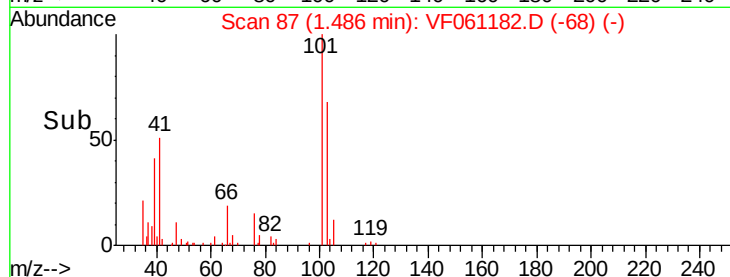
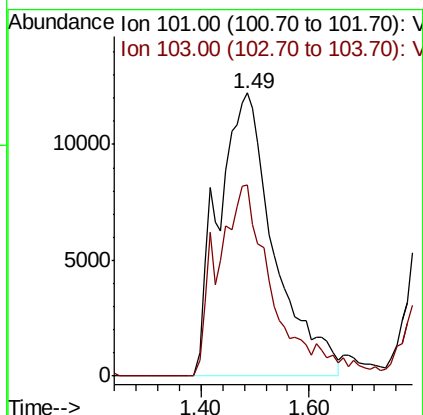
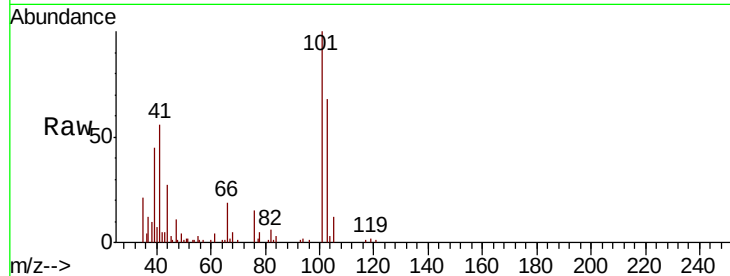
Trichlorofluoromethane
Concen: 22.312 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion:101 Resp: 88331
Ion Ratio Lower Upper
101 100
103 67.6 50.7 76.1

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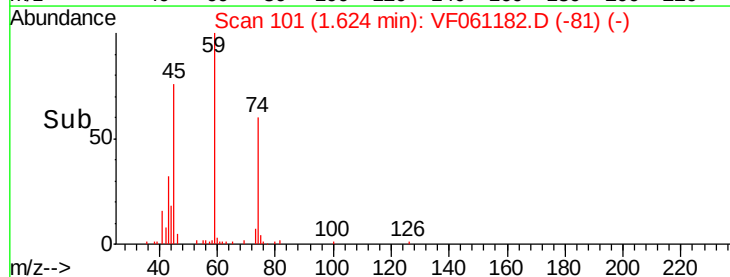
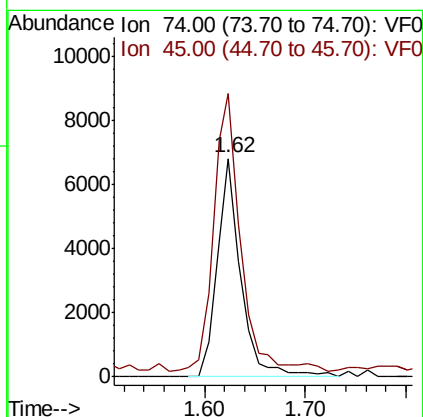
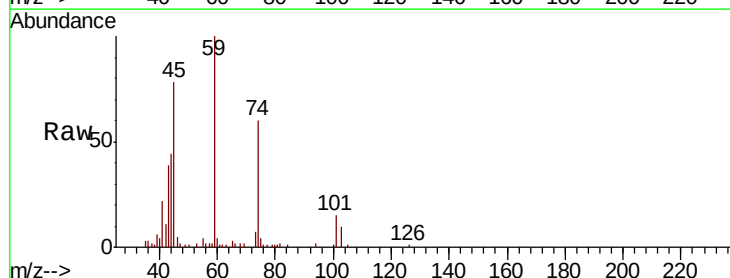
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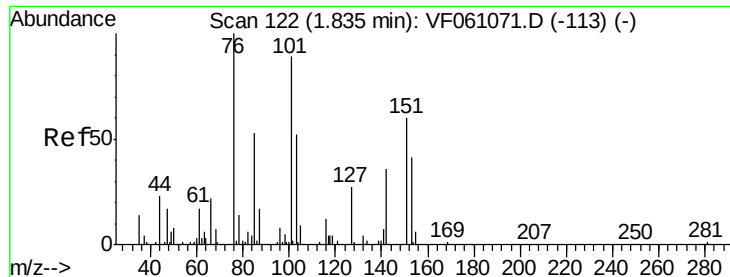


#8

Diethyl Ether
Concen: 20.525 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion: 74 Resp: 11127
Ion Ratio Lower Upper
74 100
45 129.5 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.516 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

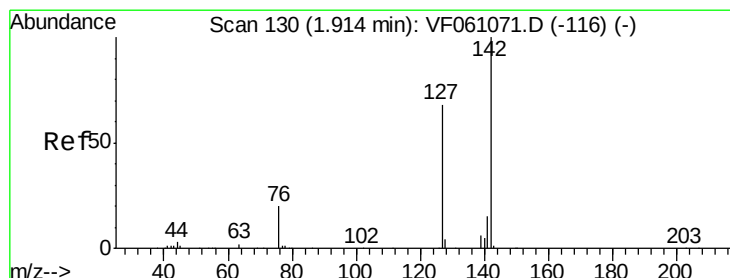
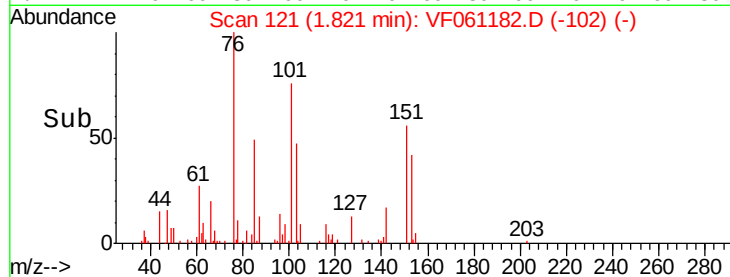
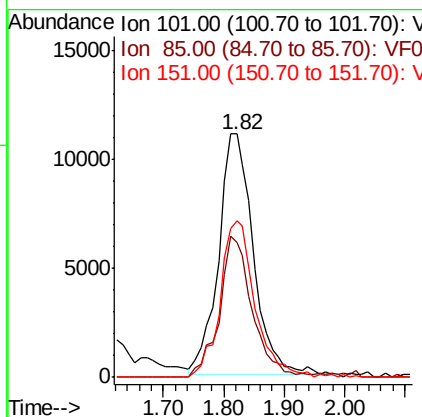
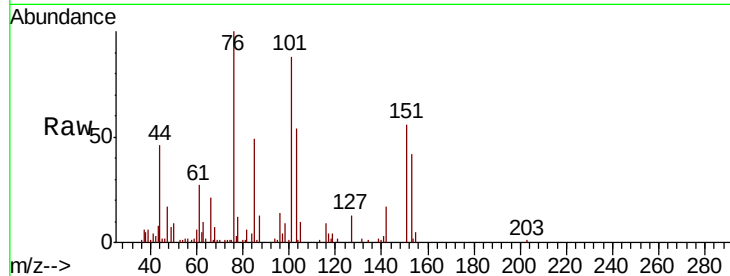
ClientSampleId :

VF1226SBS01

Tot Ion:	101	Resp:	44164
Ion Ratio	Lower	Upper	
101	100		
85	55.5	44.5	66.7
151	64.3	49.9	74.9

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#10

Methyl Iodide

Concen: 21.082 ug/l m

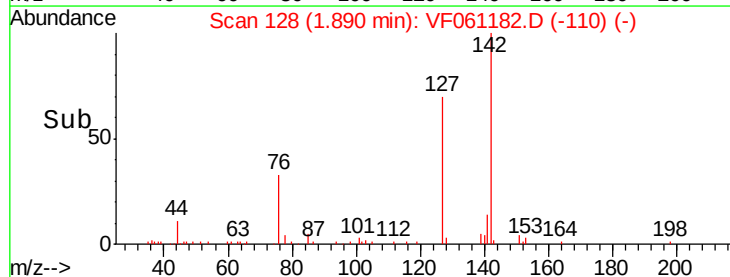
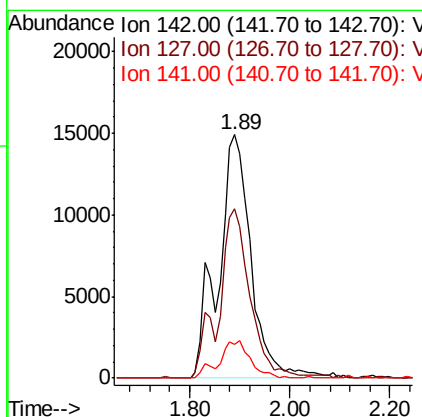
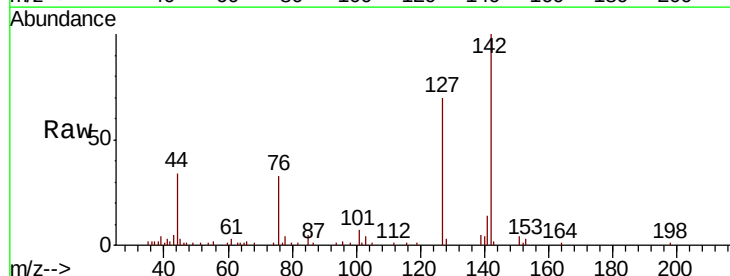
RT: 1.89 min Scan# 128

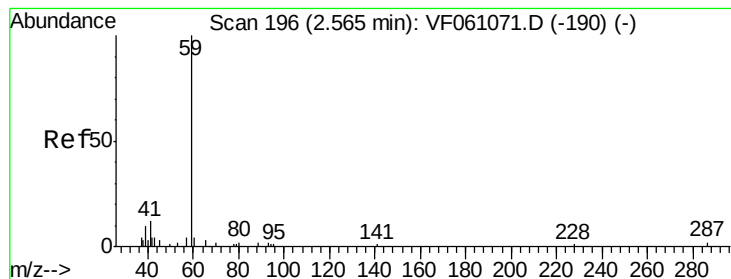
Delta R.T. -0.02 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Tgt Ion:	142	Resp:	68213
Ion Ratio	Lower	Upper	
142	100		
127	69.6	54.7	82.1
141	13.7	12.2	18.2





#11

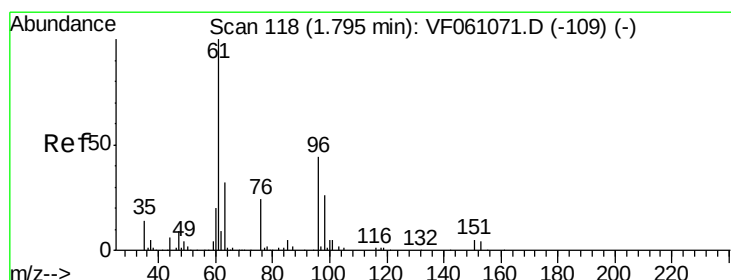
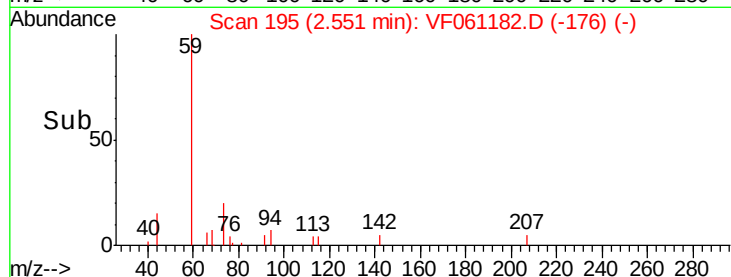
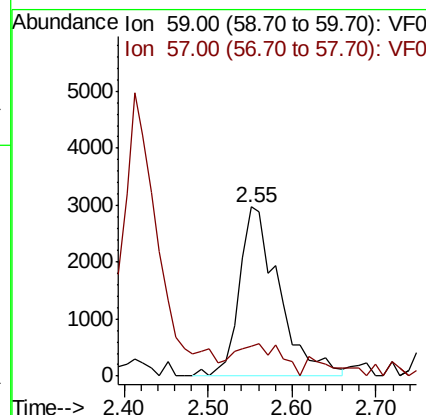
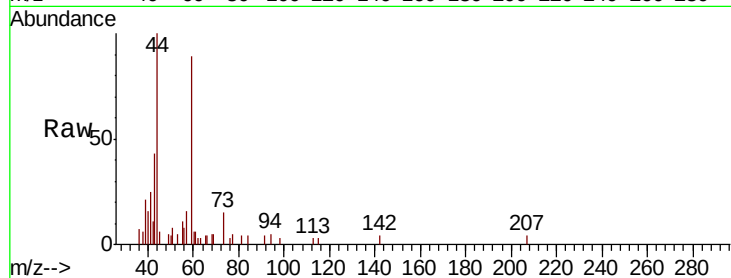
Tert butyl alcohol
 Concen: 107.725 ug/l
 RT: 2.55 min Scan# 195
 Delta R.T. -0.01 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	17.6	11.5	17.3#

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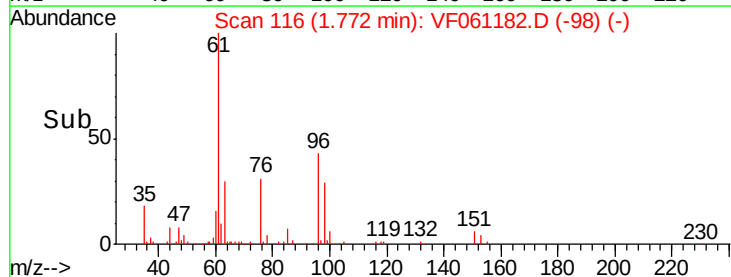
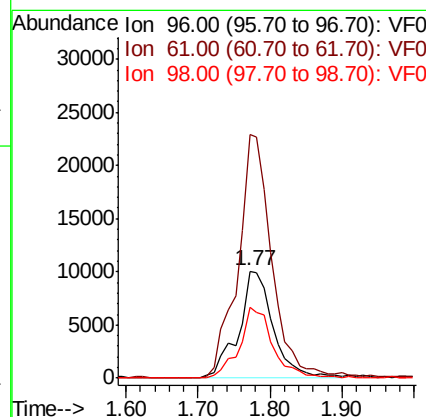
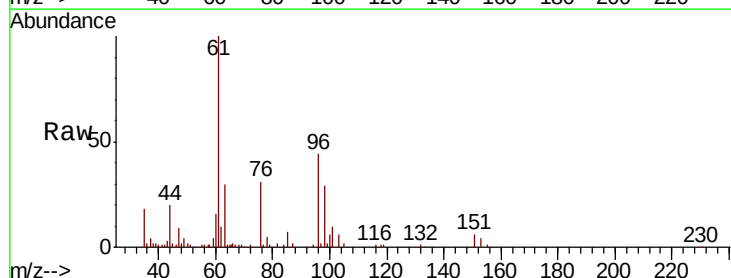
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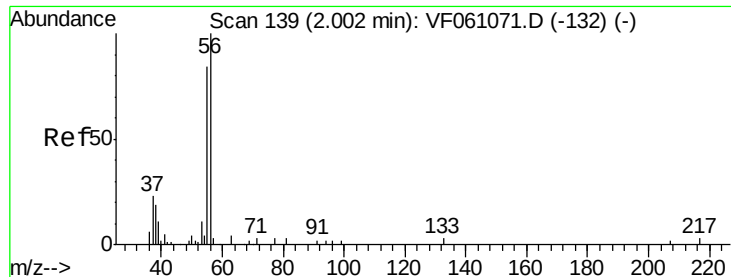


#12

1,1-Dichloroethene
 Concen: 21.784 ug/l
 RT: 1.77 min Scan# 116
 Delta R.T. -0.02 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	228.3	182.0	273.0
98	66.5	46.5	69.7





#13

Acrolein

Concen: 106.532 ug/l m

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 56 Resp: 7013

Ion Ratio Lower Upper

56 100

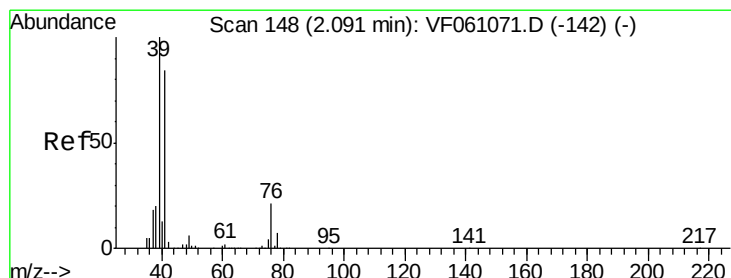
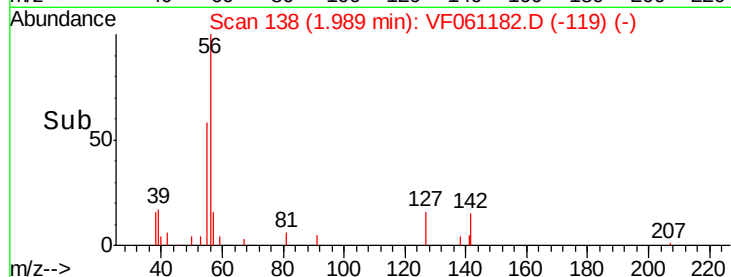
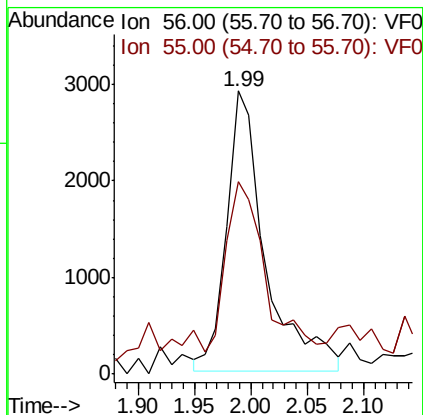
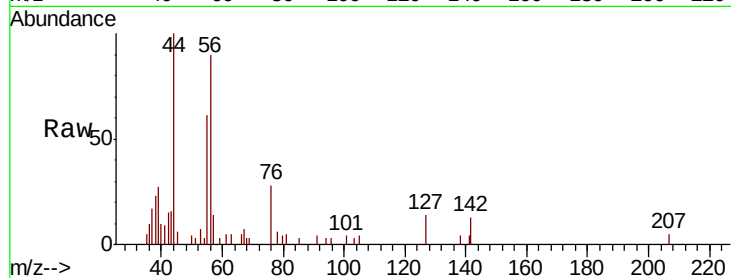
55 68.0 70.2 105.2#

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#14

Allyl chloride

Concen: 28.373 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

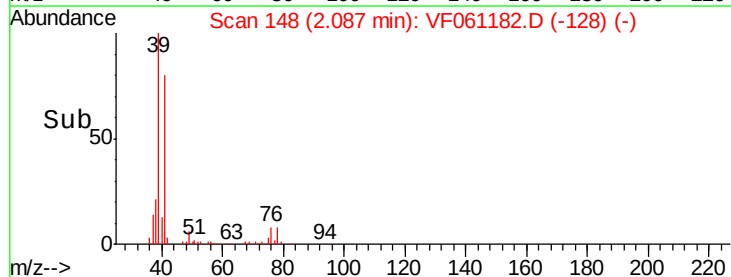
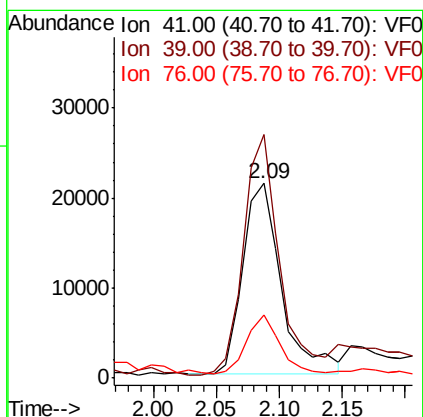
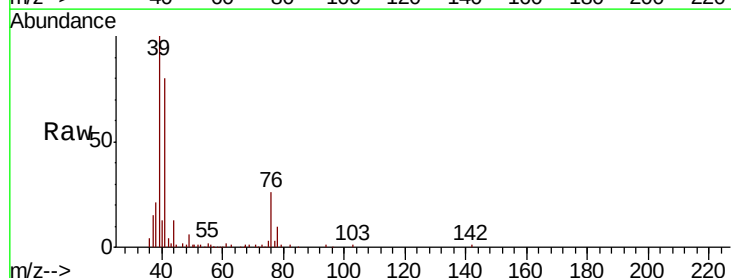
Tgt Ion: 41 Resp: 45685

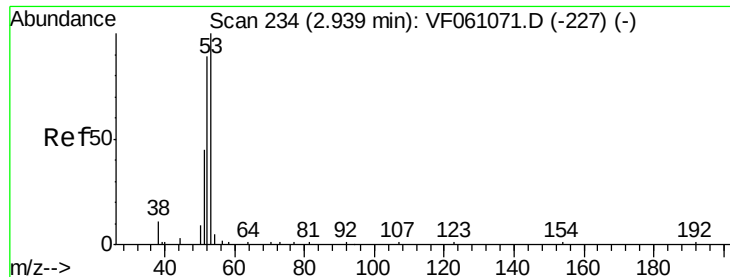
Ion Ratio Lower Upper

41 100

39 125.1 96.4 144.6

76 32.5 25.4 38.0





#15

Acrylonitrile

Concen: 114.310 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

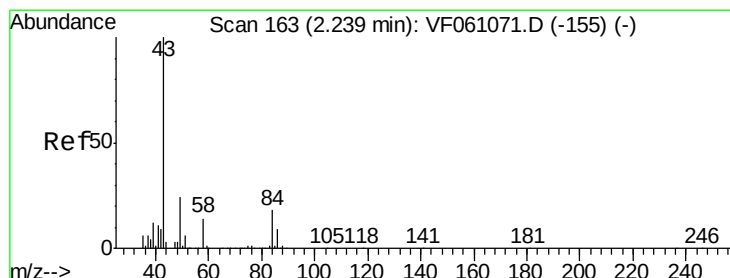
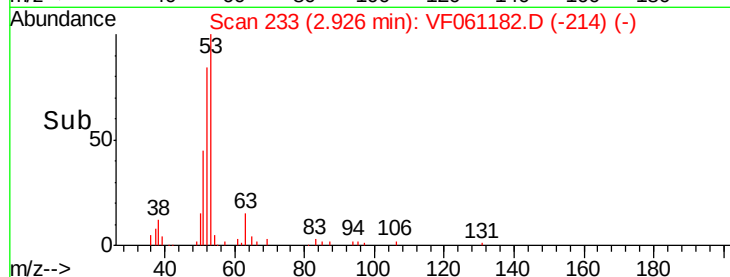
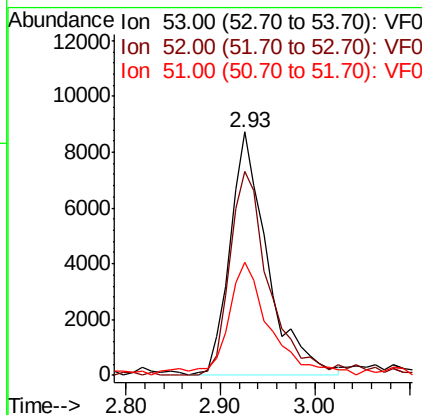
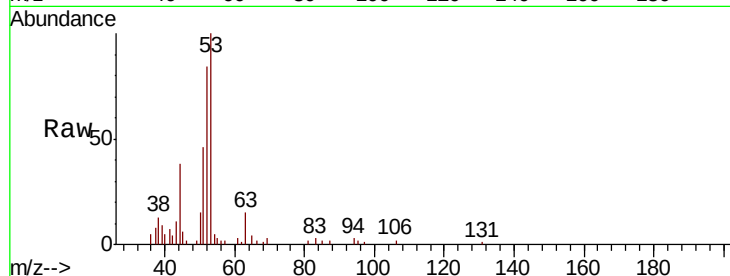
ClientSampleId :

VF1226SBS01

Tot Ion:	53	Resp:	24081
Ion	Ratio	Lower	Upper
53	100		
52	83.6	71.3	106.9
51	46.3	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 113.703 ug/l

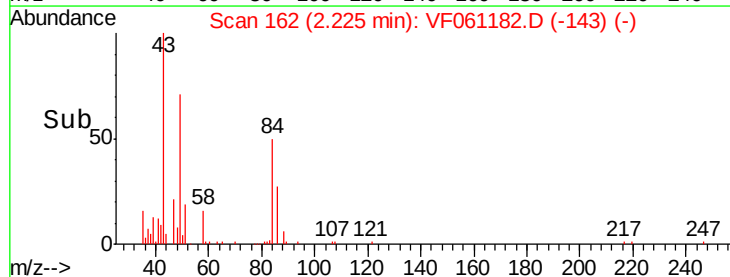
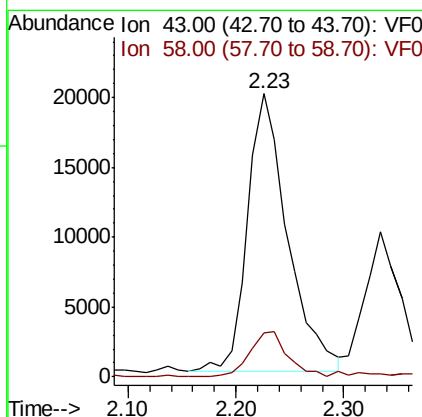
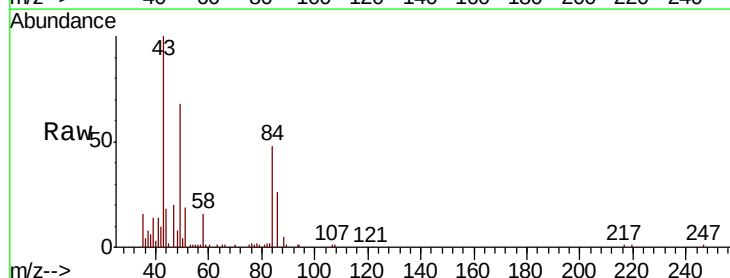
RT: 2.23 min Scan# 162

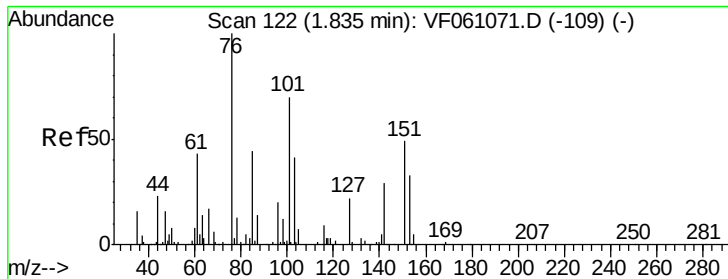
Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Tgt Ion:	43	Resp:	51316
Ion	Ratio	Lower	Upper
43	100		
58	15.6	11.1	16.7





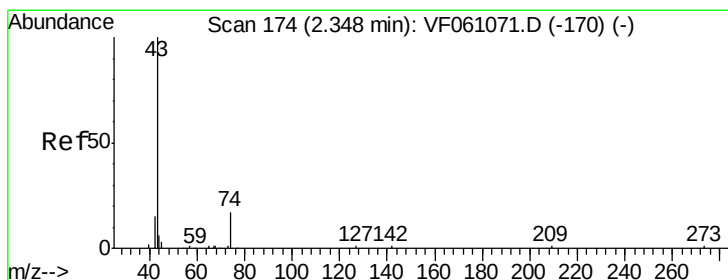
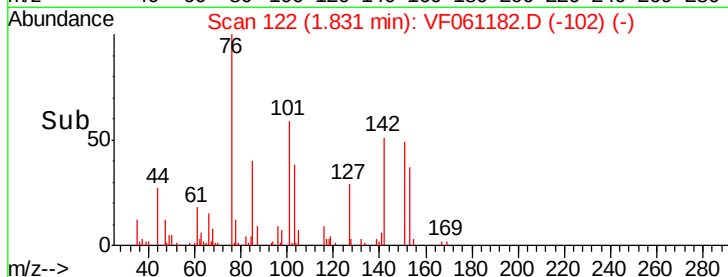
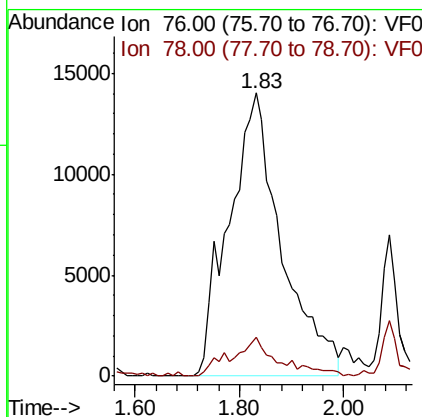
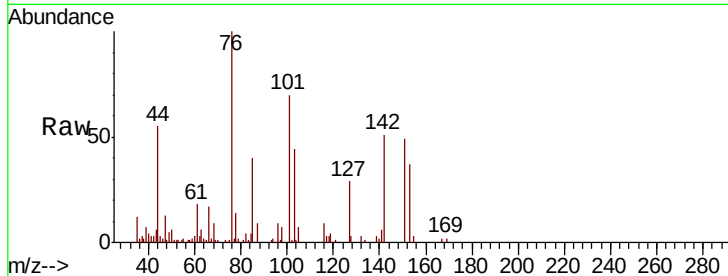
#17
Carbon Disulfide
Concen: 20.694 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ion	Ratio	Lower	Upper
76	76	100		
78	78	13.6	10.2	15.4

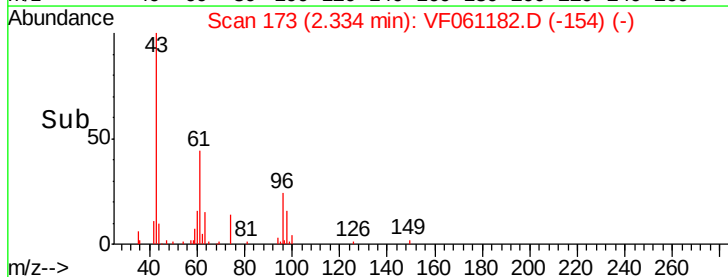
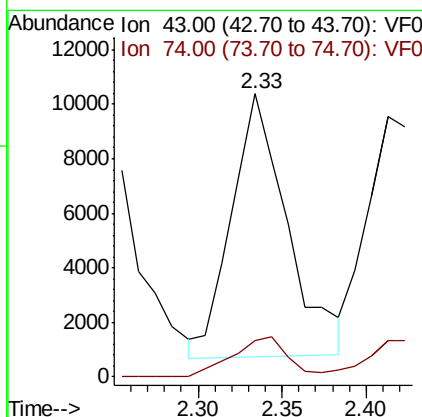
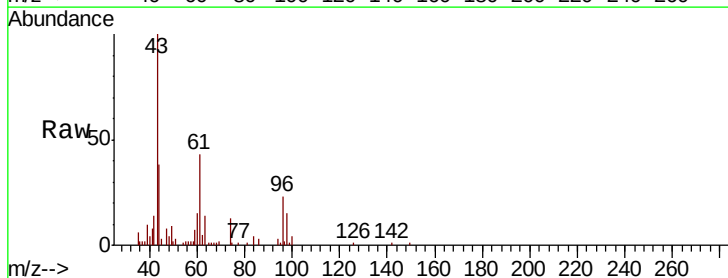
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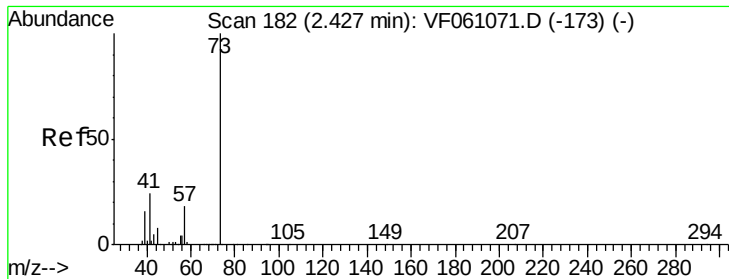
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#18
Methyl Acetate
Concen: 23.872 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
74	74	12.9	11.0	16.6





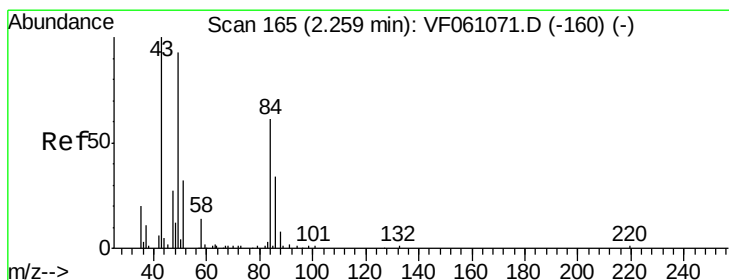
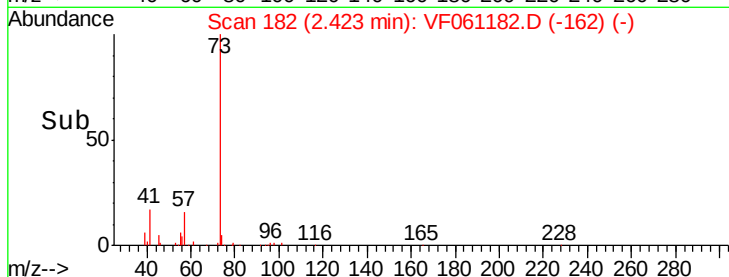
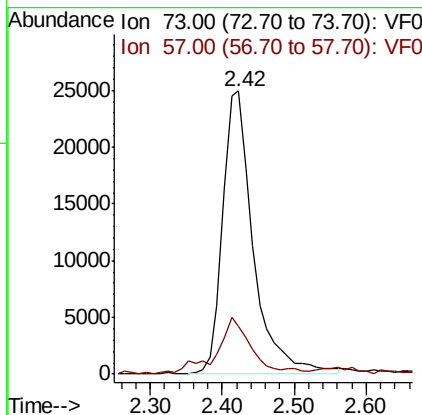
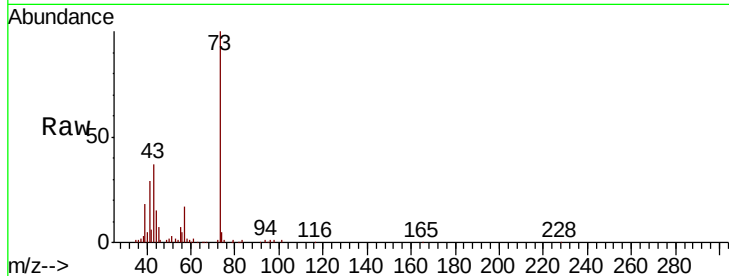
#19
Methyl tert-butyl Ether
Concen: 21.465 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion: 73 Resp: 73718
Ion Ratio Lower Upper
73 100
57 17.0 14.5 21.7

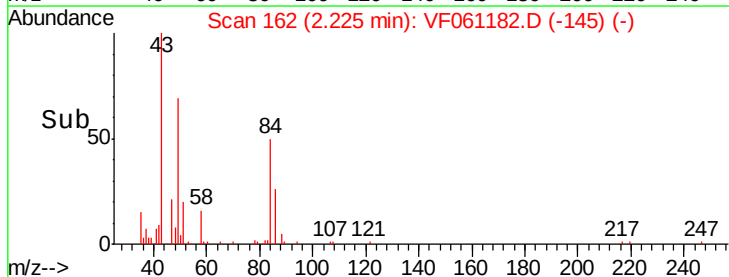
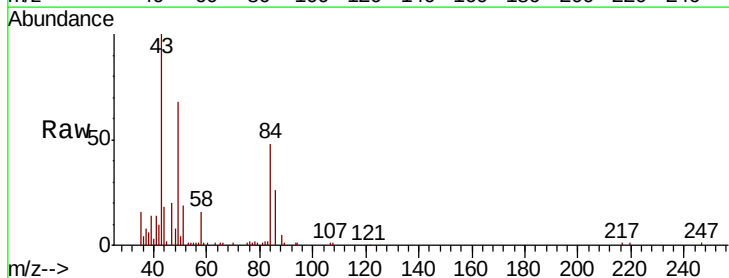
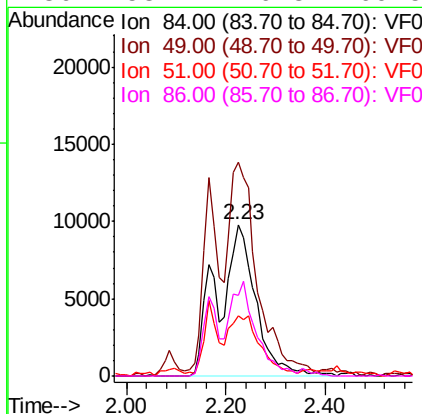
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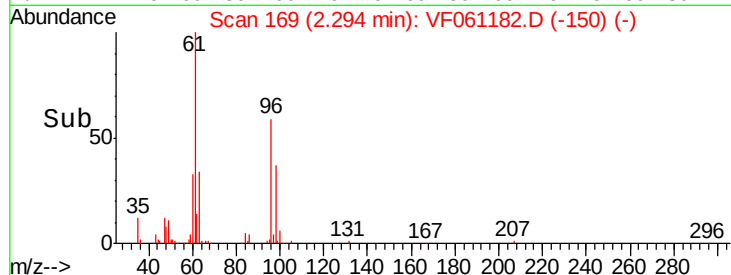
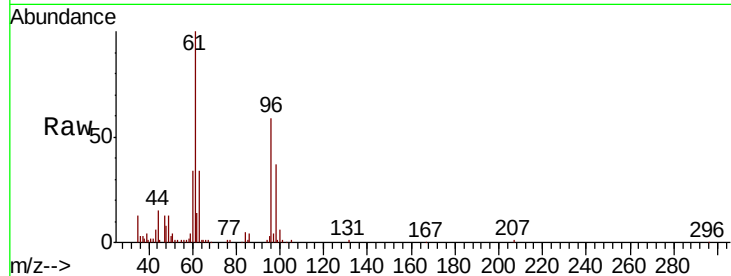
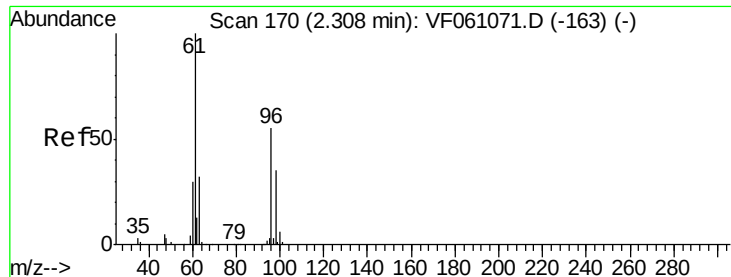
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#20
Methylene Chloride
Concen: 34.688 ug/l m
RT: 2.23 min Scan# 162
Delta R.T. -0.03 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion: 84 Resp: 52011
Ion Ratio Lower Upper
84 100
49 141.3 129.4 194.2
51 40.2 44.0 66.0#
86 53.1 46.3 69.5





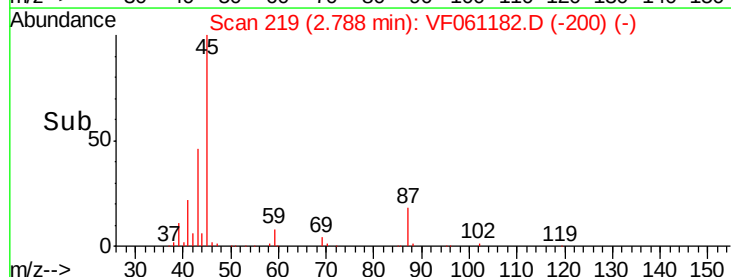
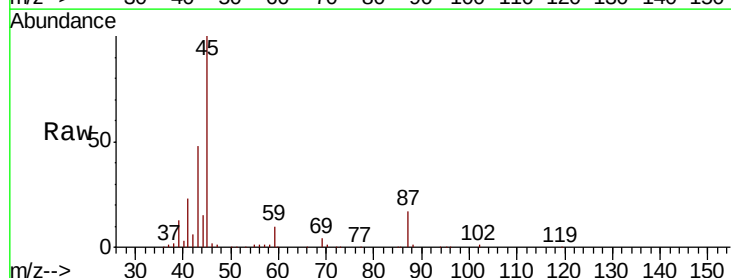
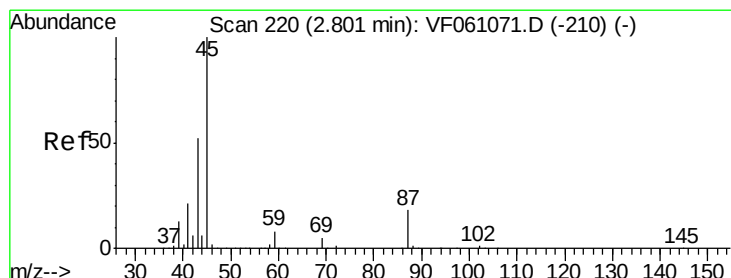
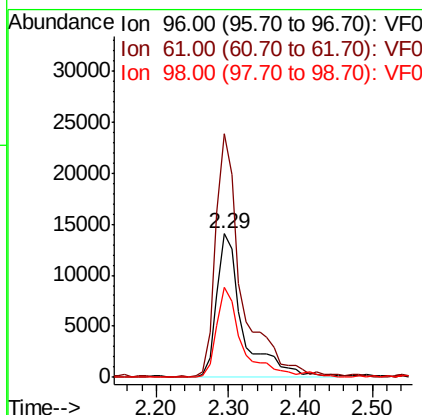
#21
trans-1,2-Dichloroethene
Concen: 21.201 ug/l
RT: 2.29 min Scan# 169
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	169.8	146.0	219.0	
98	62.7	51.6	77.4	

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

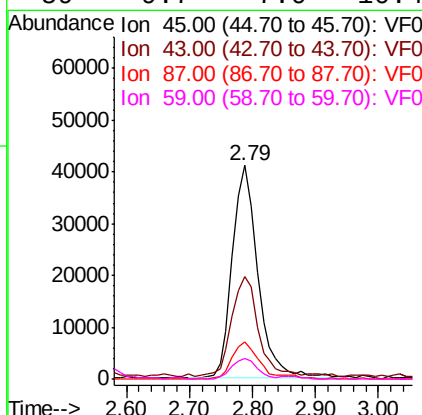
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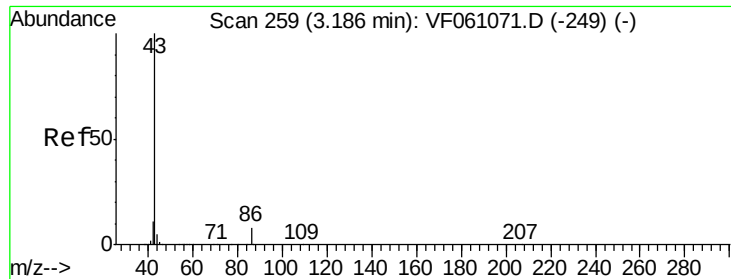
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#22
Diisopropyl ether
Concen: 21.524 ug/l
RT: 2.79 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	47.8	42.2	63.2	
87	17.4	14.6	22.0	
59	9.7	7.0	10.4	





#23

Vinyl Acetate

Concen: 114.457 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 43 Resp: 283205

Ion Ratio Lower Upper

43 100

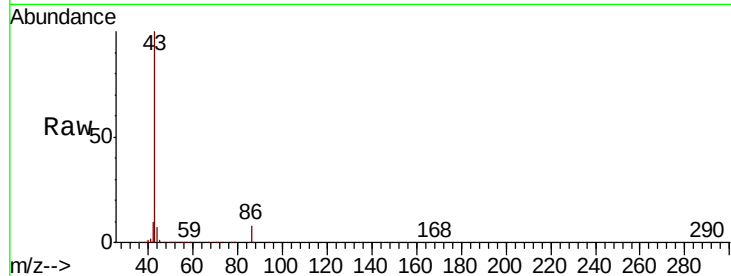
86 8.4 6.3 9.5

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

120000

100000

80000

60000

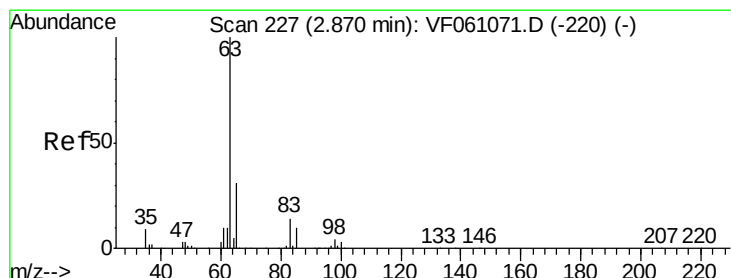
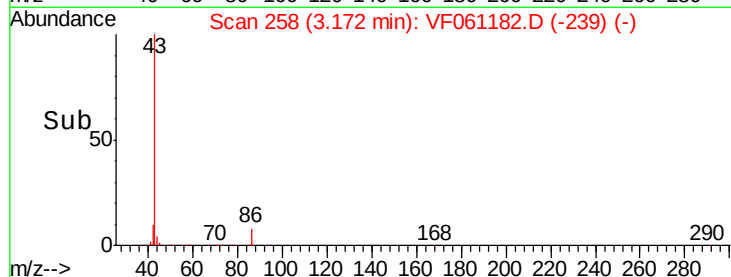
40000

20000

0

3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 22.430 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

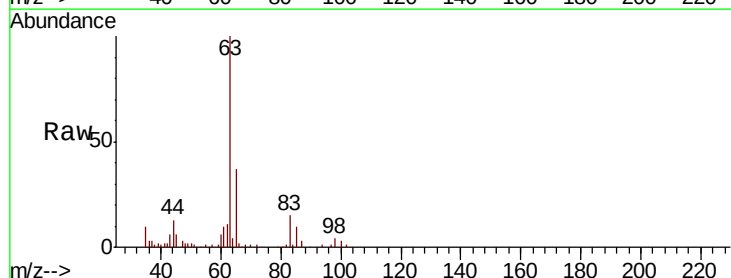
Tgt Ion: 63 Resp: 71279

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.5

100 3.0 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

30000

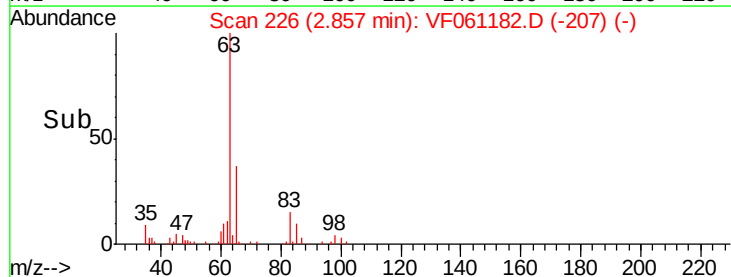
20000

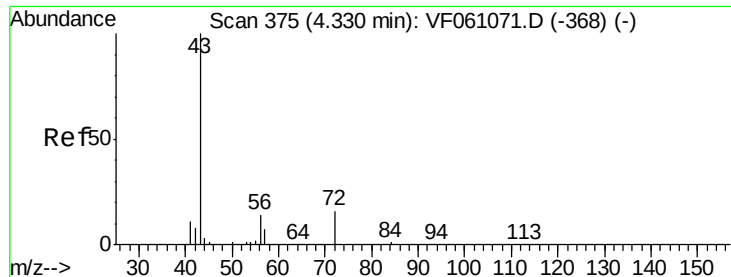
10000

0

2.70 2.80 2.90 3.00

Time-->





#25

2-Butanone

Concen: 115.597 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 43 Resp: 84611

Ion Ratio Lower Upper

43 100

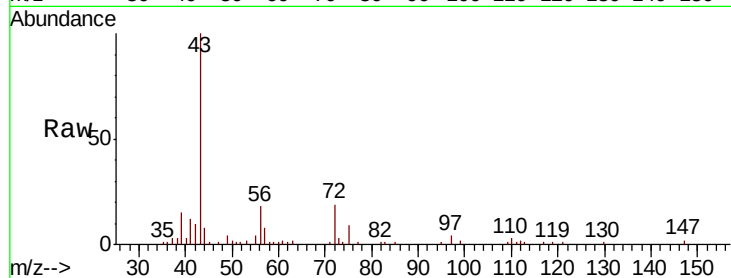
72 19.0 15.6 23.4

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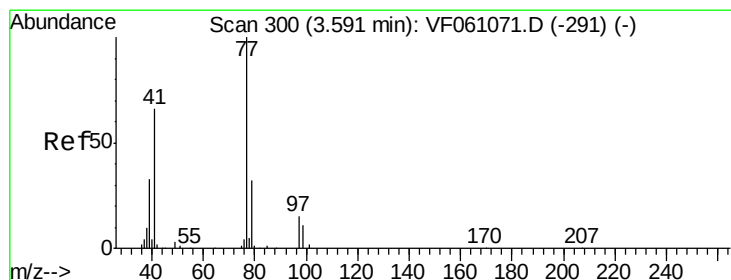
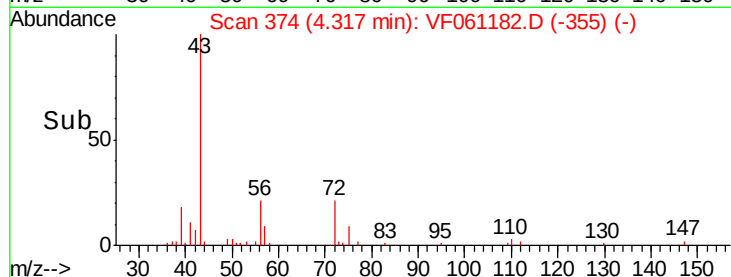
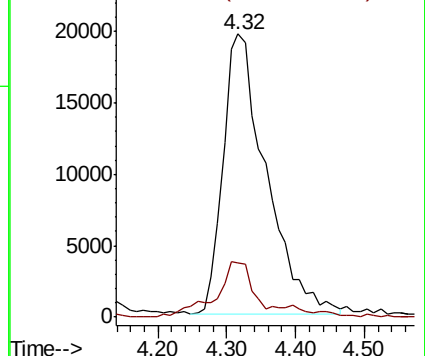
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 24.736 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061182.D

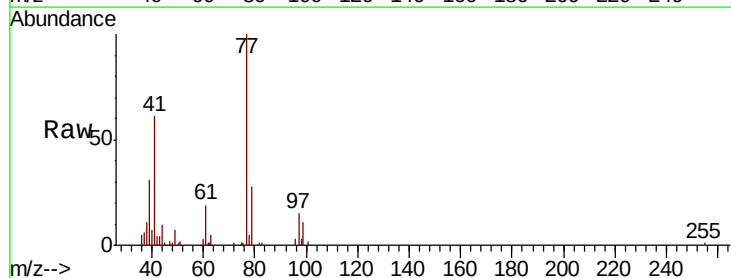
Acq: 26 Dec 2018 12:15

Tgt Ion: 77 Resp: 45111

Ion Ratio Lower Upper

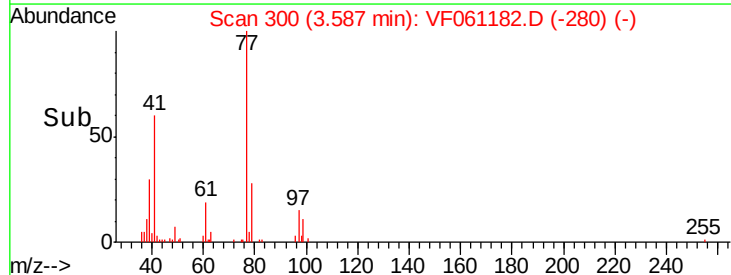
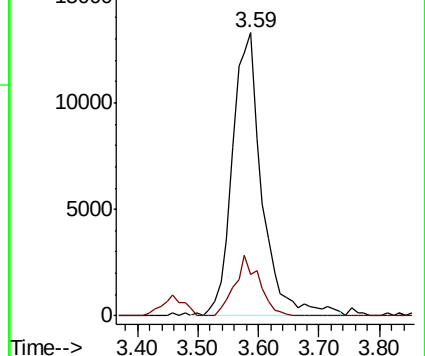
77 100

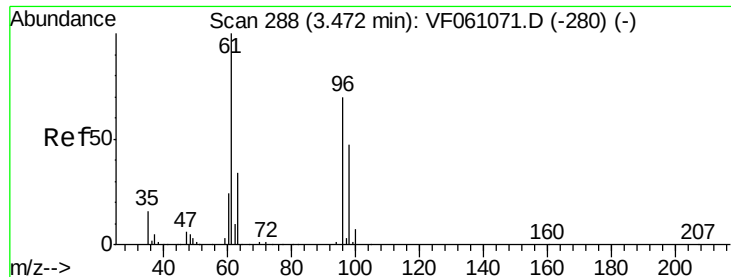
97 14.6 8.2 24.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

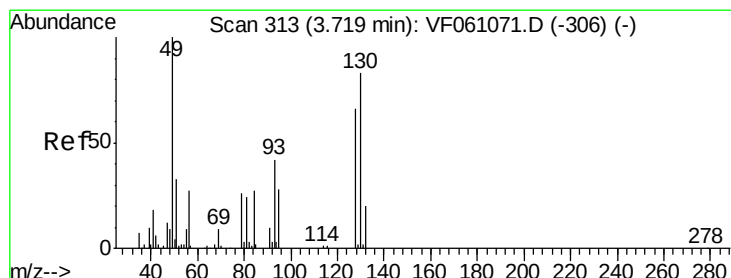
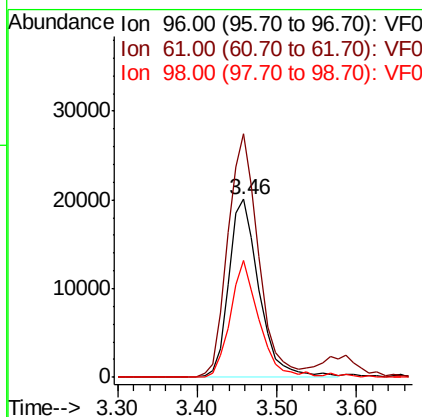
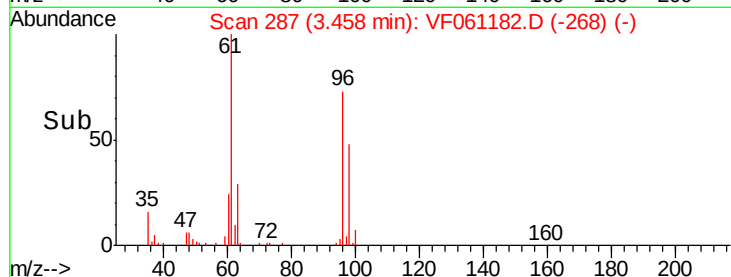
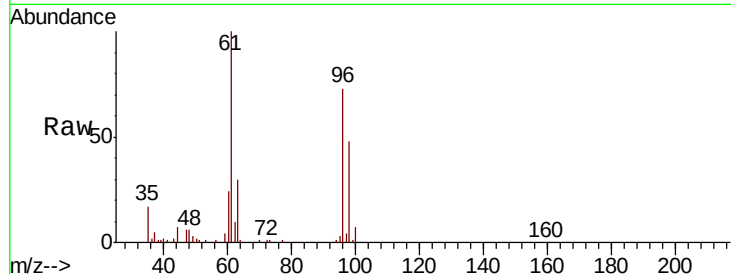
cis-1,2-Dichloroethene
 Concen: 21.205 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	53722		
61	136.9		0.0	287.8
98	66.1		0.0	134.2

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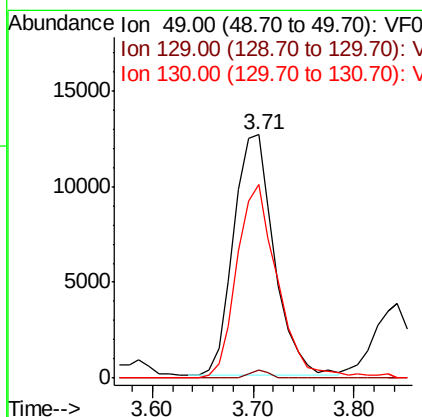
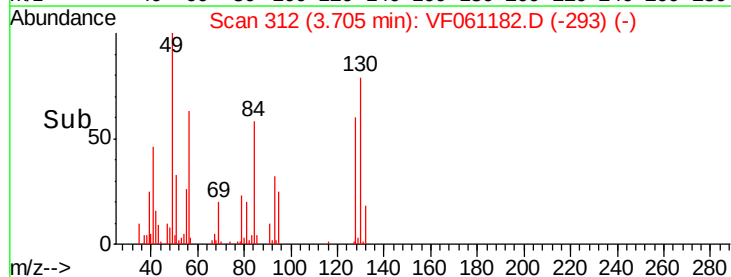
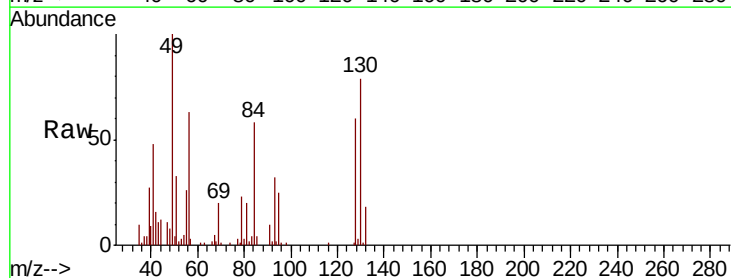
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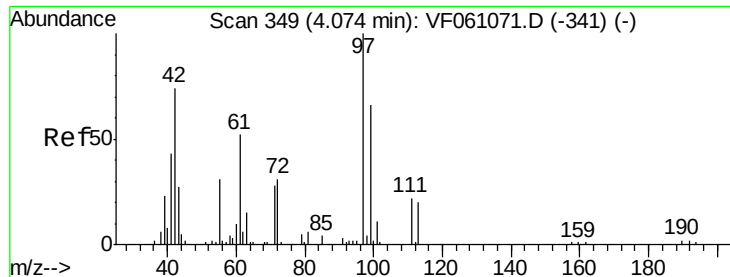


#28

Bromochloromethane
 Concen: 21.877 ug/l
 RT: 3.71 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	35275		
129	3.4		0.0	3.6
130	79.3		65.8	98.6





#29

Tetrahydrofuran

Concen: 120.372 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

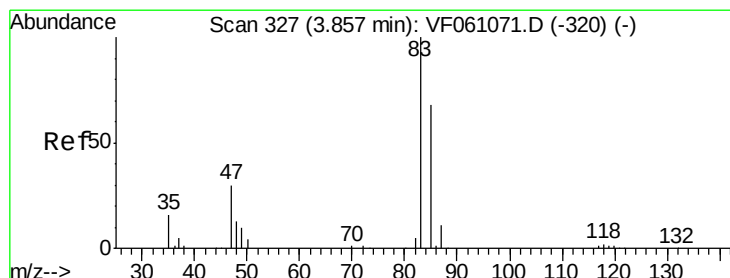
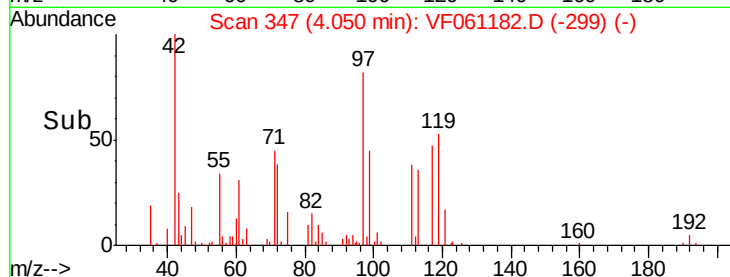
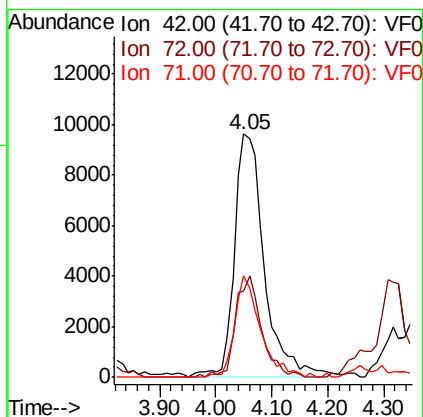
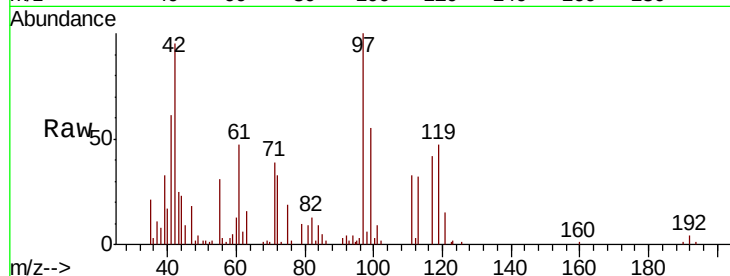
ClientSampleId :

VF1226SBS01

Tot Ion:	42	Resp:	35860
Ion	Ratio	Lower	Upper
42	100		
72	36.3	31.8	47.8
71	35.5	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 22.503 ug/l

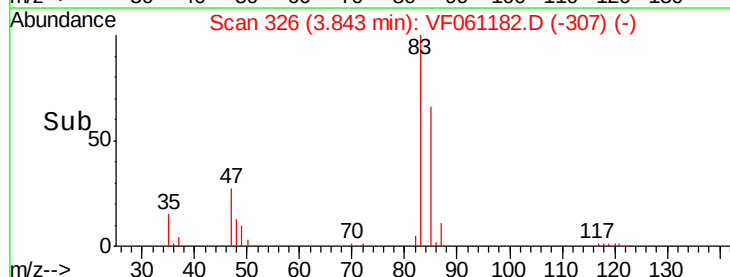
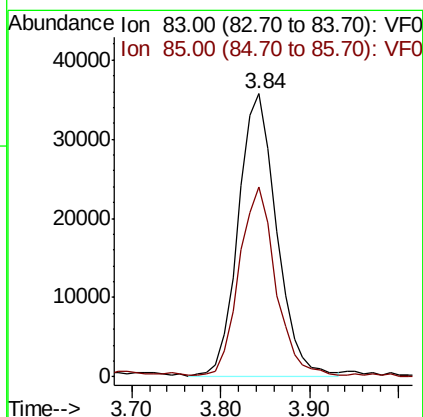
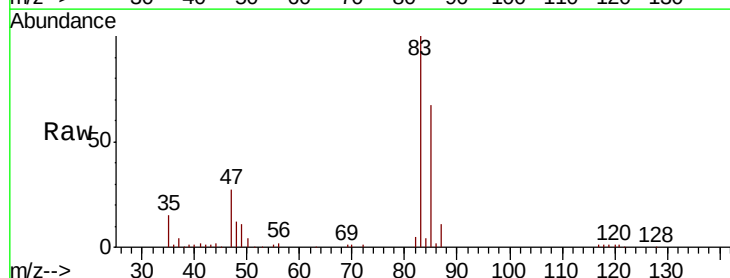
RT: 3.84 min Scan# 326

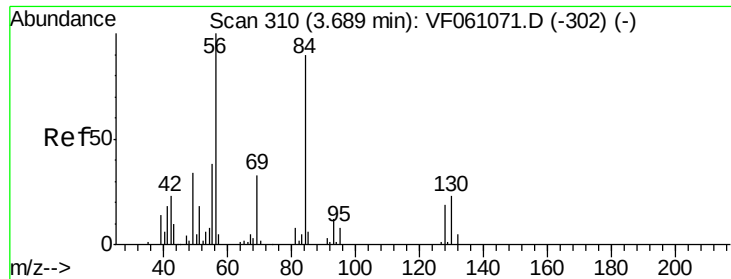
Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Tgt Ion:	83	Resp:	107225
Ion	Ratio	Lower	Upper
83	100		
85	67.1	54.5	81.7





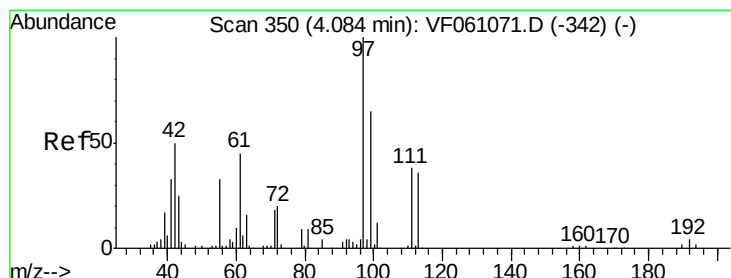
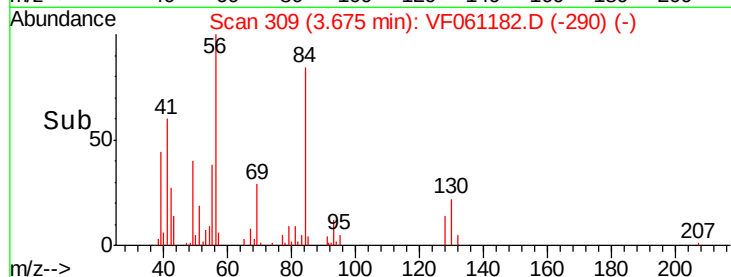
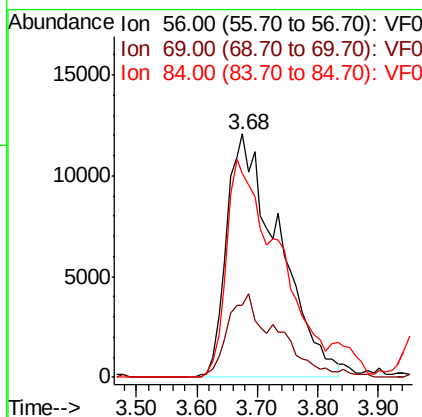
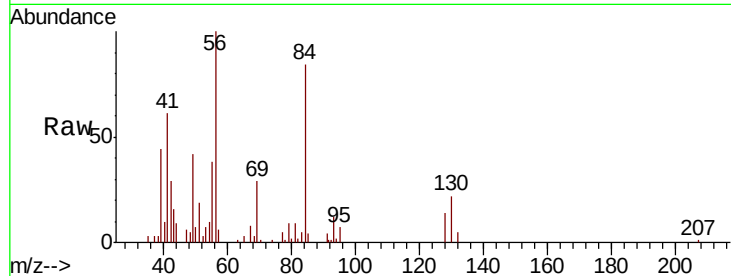
#31
Cyclohexane
Concen: 21.905 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	26.0	39.0
84	83.8	71.4	107.2

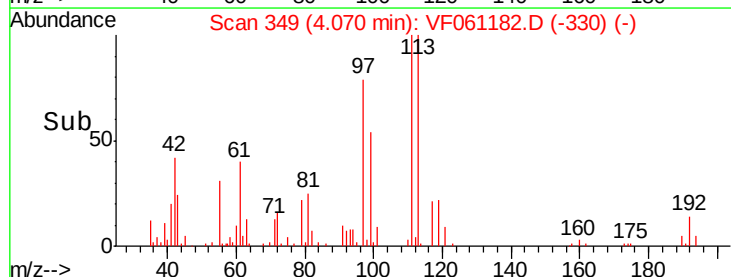
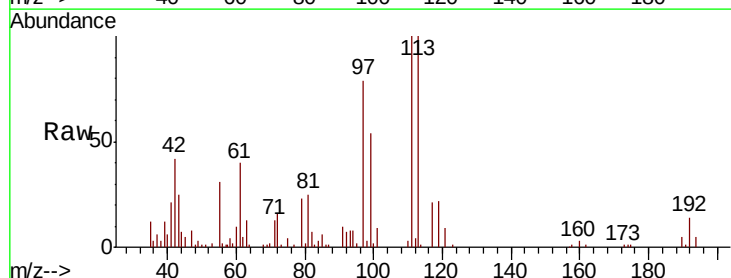
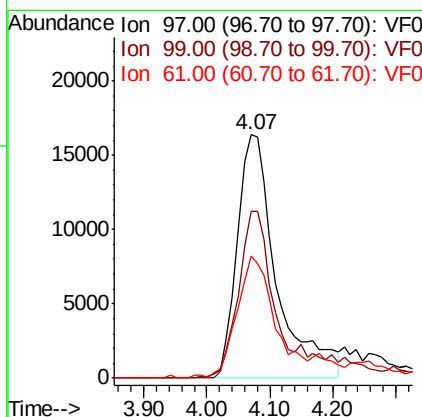
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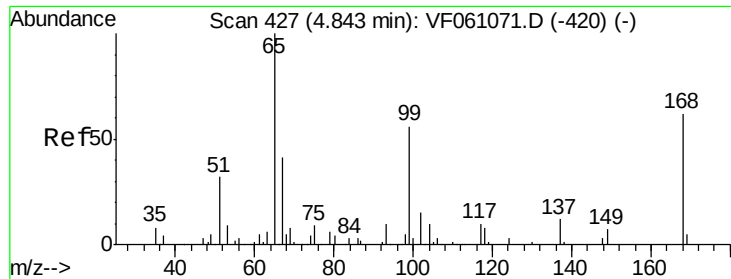
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#32
1,1,1-Trichloroethane
Concen: 25.128 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.5	51.6	77.4
61	50.3	36.2	54.2





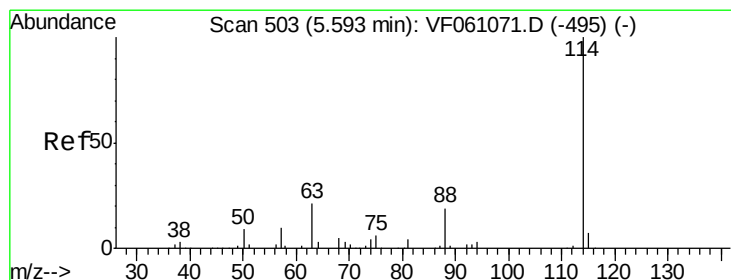
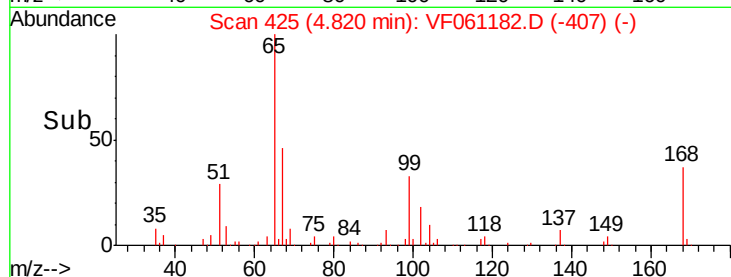
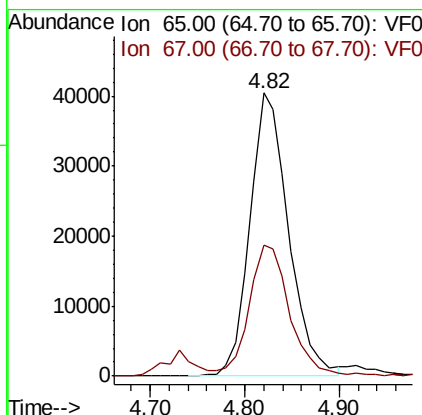
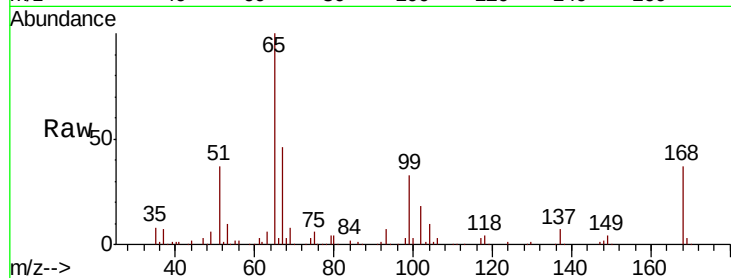
#33
 1,2-Dichloroethane-d4
 Concen: 50.842 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.02 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	114779		
67	46.4	0.0	94.6	

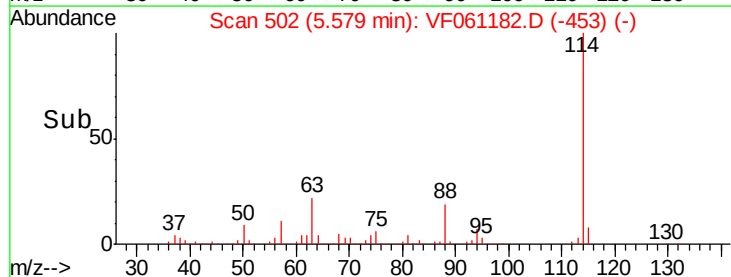
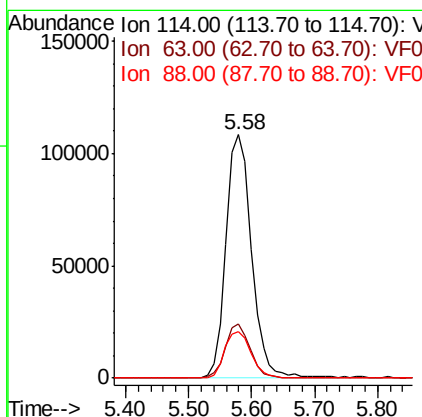
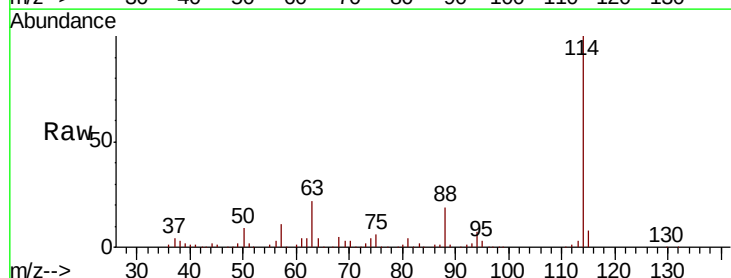
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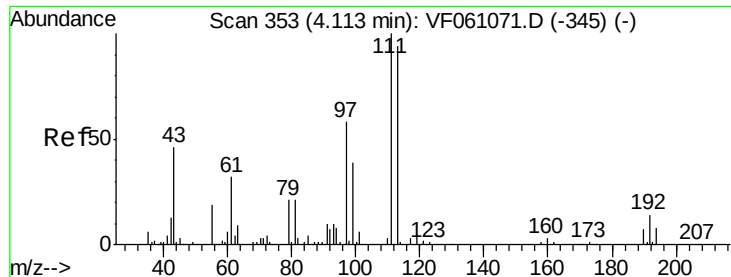
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	305346		
63	22.3	0.0	41.6	
88	19.3	0.0	38.0	





#35

Dibromofluoromethane

Concen: 52.274 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

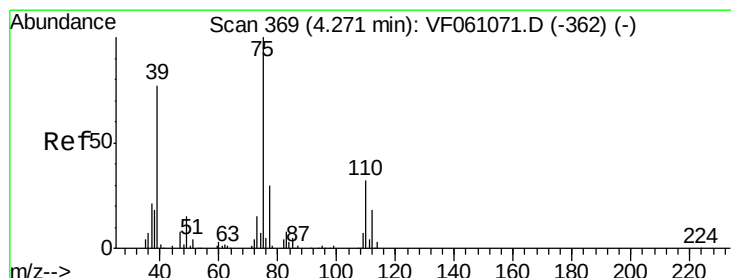
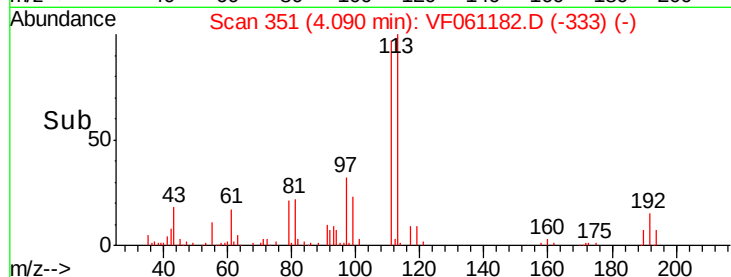
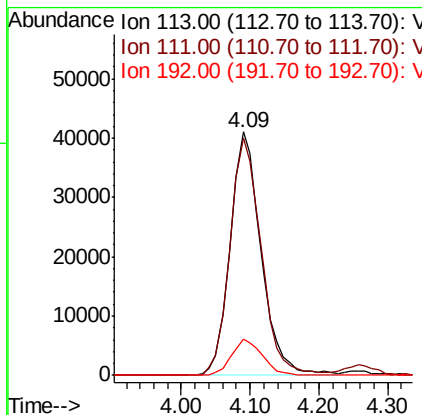
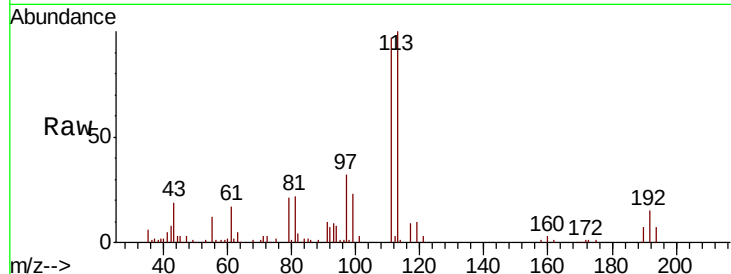
ClientSampleId :

VF1226SBS01

Tot Ion:	113	Resp:	127861
Ion Ratio	Lower	Upper	
113	100		
111	97.2	85.2	127.8
192	14.8	12.8	19.2

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#36

1,1-Dichloropropene

Concen: 19.519 ug/l

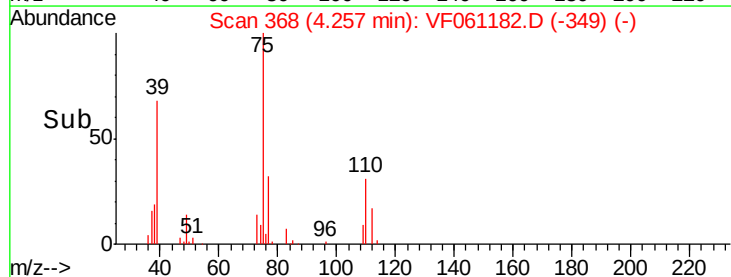
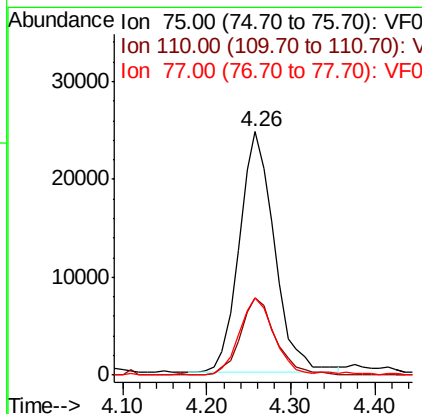
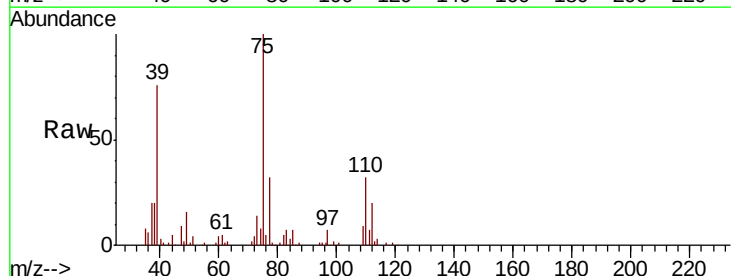
RT: 4.26 min Scan# 368

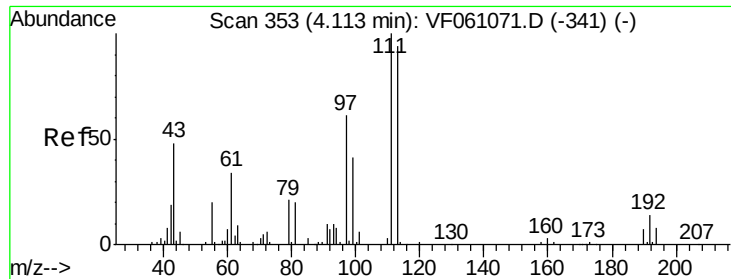
Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Tgt Ion:	75	Resp:	71942
Ion Ratio	Lower	Upper	
75	100		
110	31.8	16.1	48.2
77	31.6	24.5	36.7





#37

Ethyl Acetate

Concen: 18.438 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

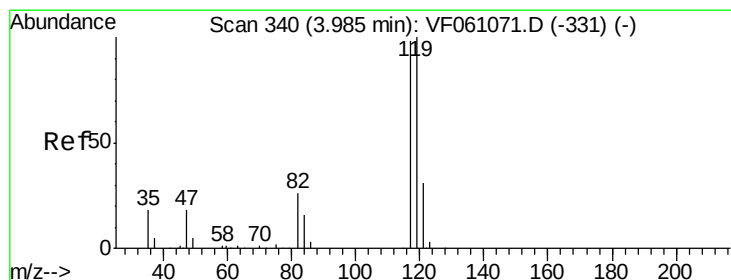
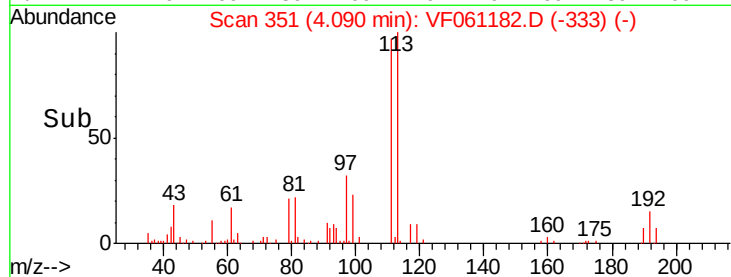
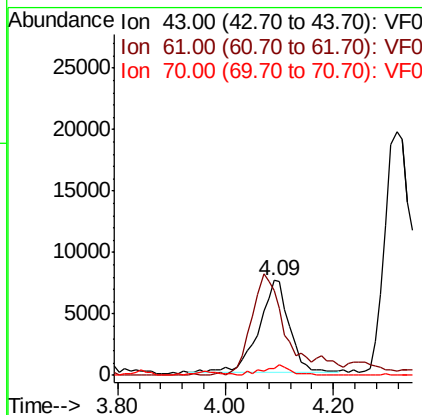
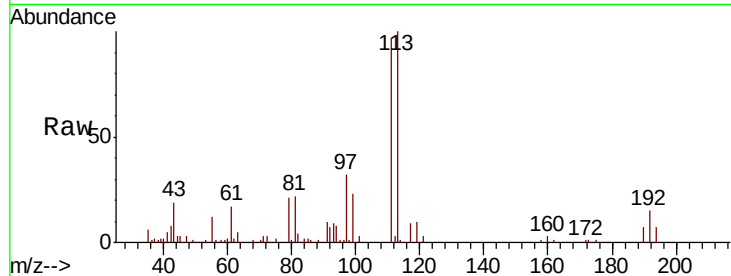
ClientSampleId :

VF1226SBS01

Tot Ion:	43	Resp:	29472
Ion Ratio	Lower	Upper	
43	100		
61	89.9	56.6	84.8#
70	7.8	6.3	9.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 22.610 ug/l

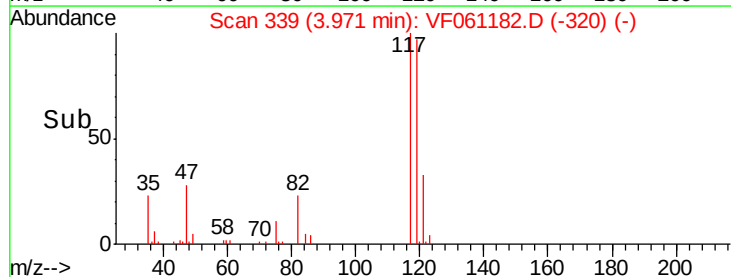
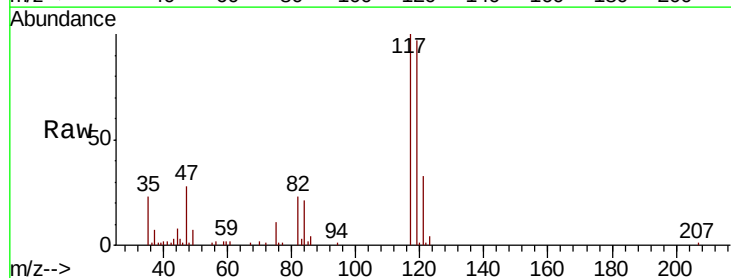
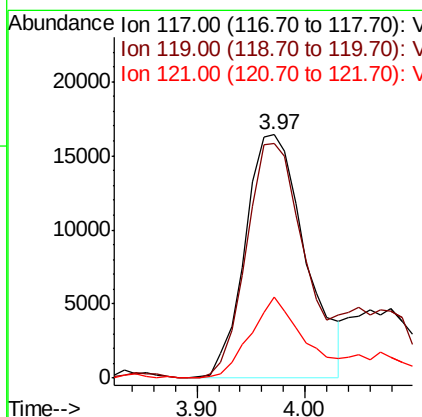
RT: 3.97 min Scan# 339

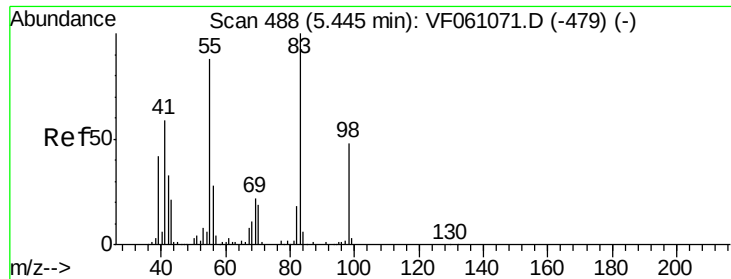
Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Tgt Ion:	117	Resp:	63464
Ion Ratio	Lower	Upper	
117	100		
119	96.6	82.1	123.1
121	33.0	25.5	38.3





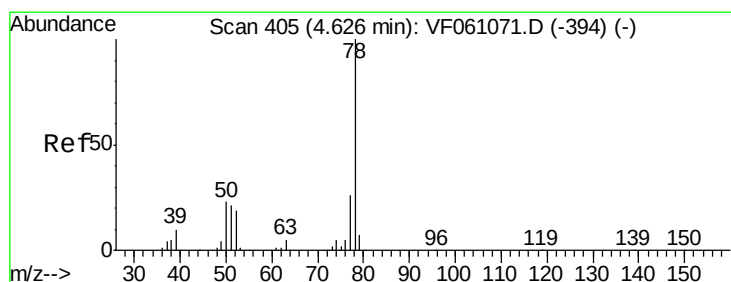
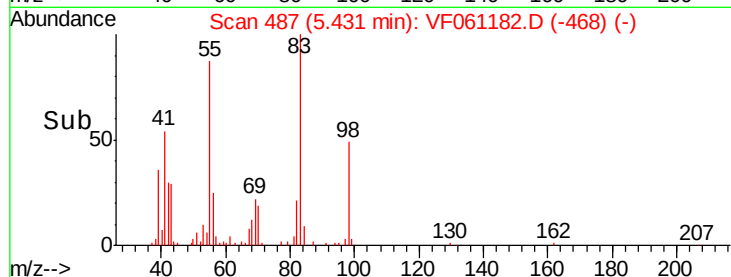
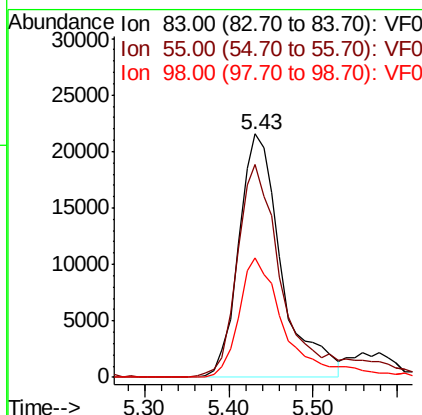
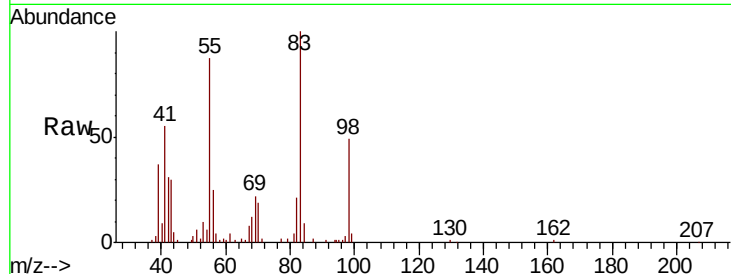
#39
Methylvlcyclohexane
Concen: 23.127 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.3	70.6	105.8
98	49.2	38.5	57.7

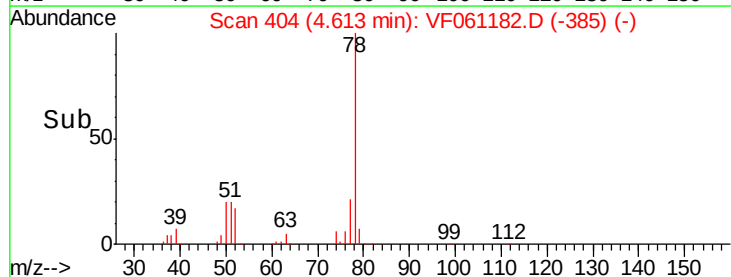
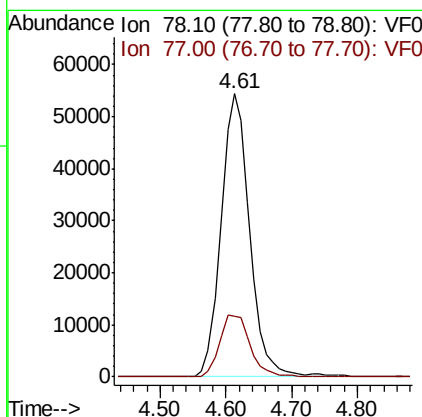
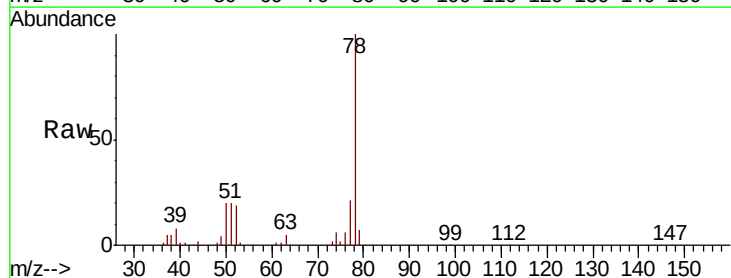
Manual Integrations
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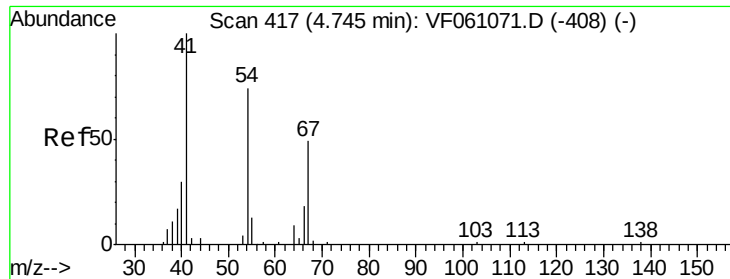
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#40
Benzene
Concen: 20.786 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.3	20.7	31.1





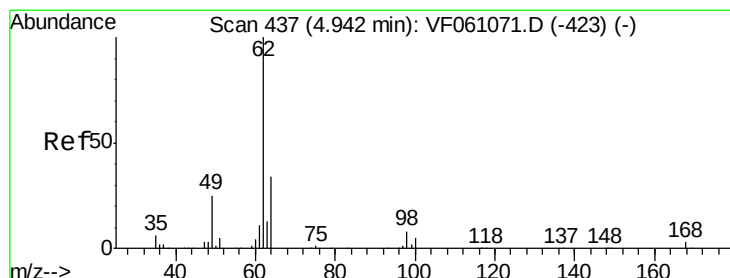
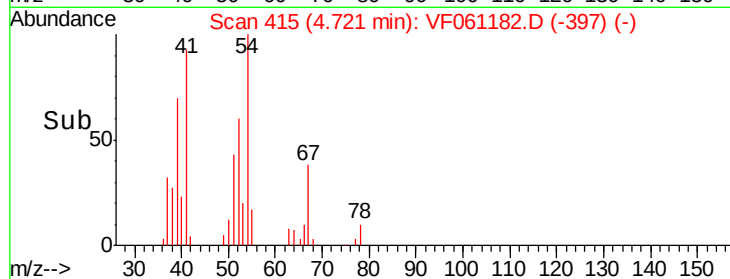
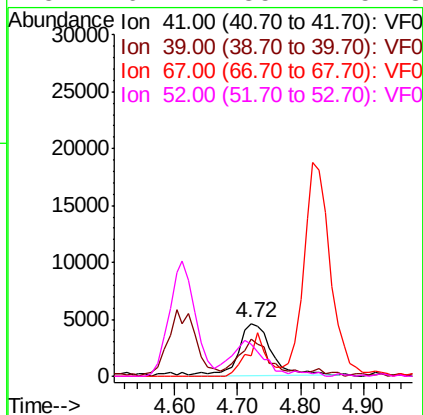
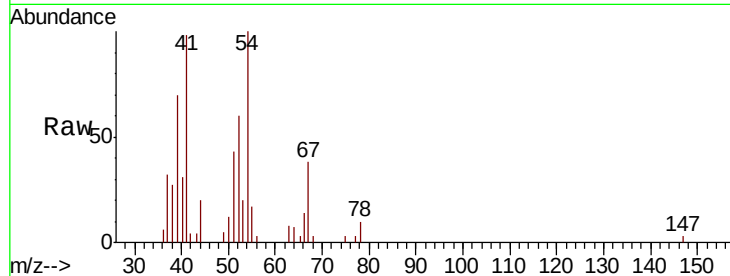
#41
Methacrylonitrile
Concen: 21.171 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.0	45.7	68.5#
67	38.3	38.9	58.3#
52	61.4	35.2	52.8#

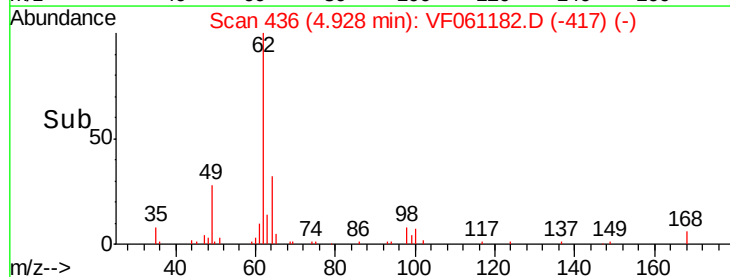
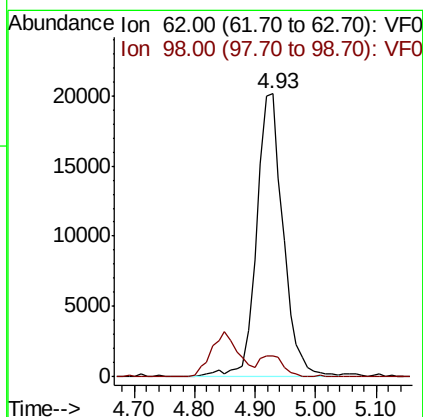
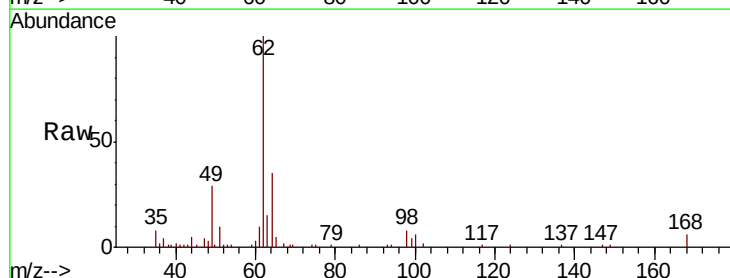
Manual Integrations
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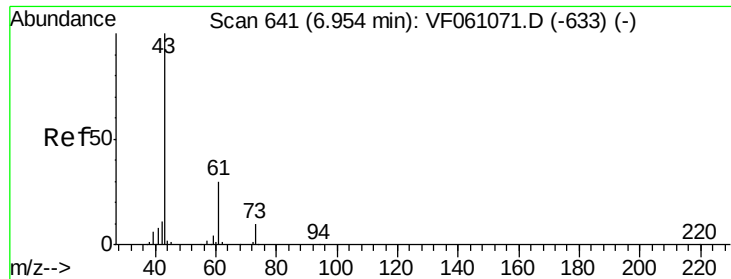
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#42
1,2-Dichloroethane
Concen: 20.418 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	16.6





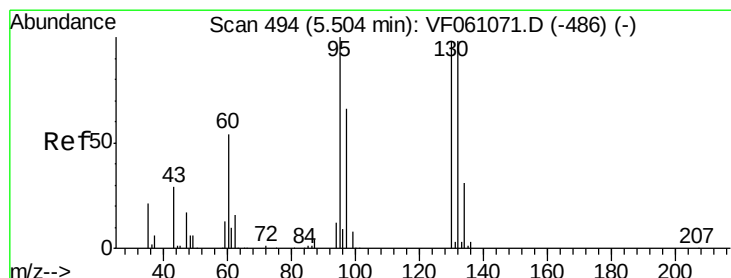
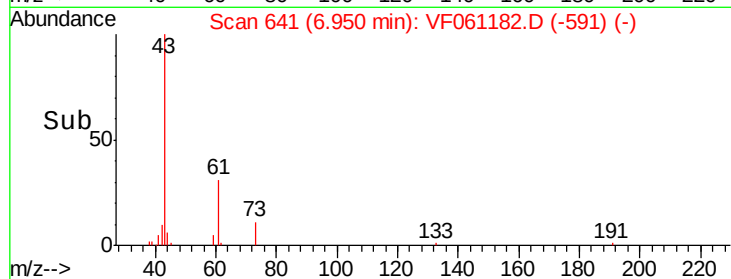
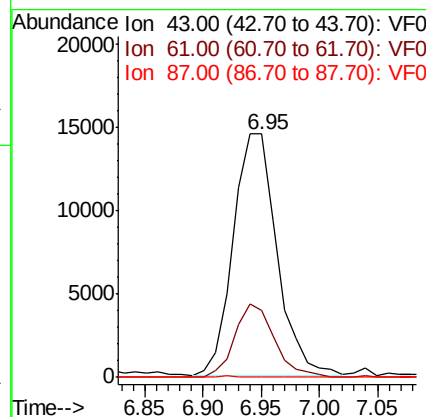
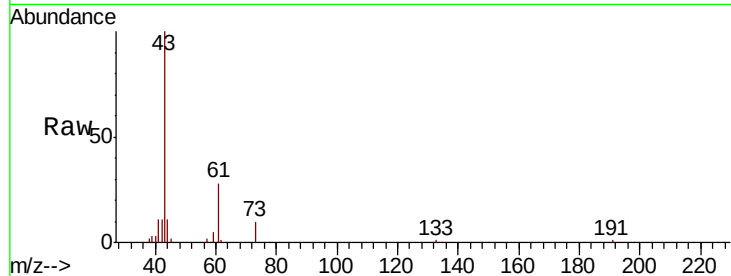
#43
Isopropyl Acetate
Concen: 21.282 ug/l
RT: 6.95 min Scan# 641
Delta R.T. -0.00 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	23.8	35.8
87	0.0	0.0	0.0

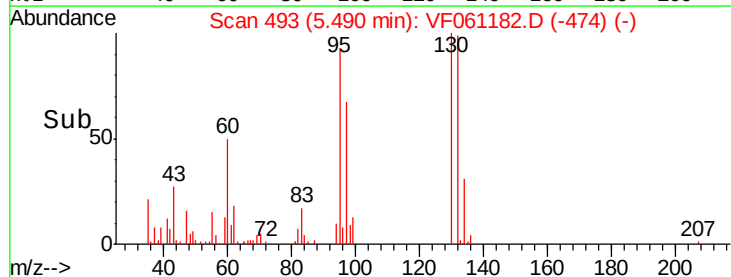
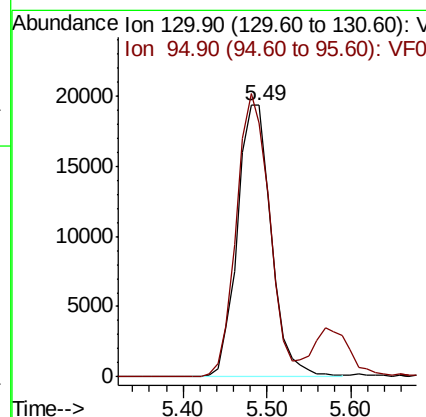
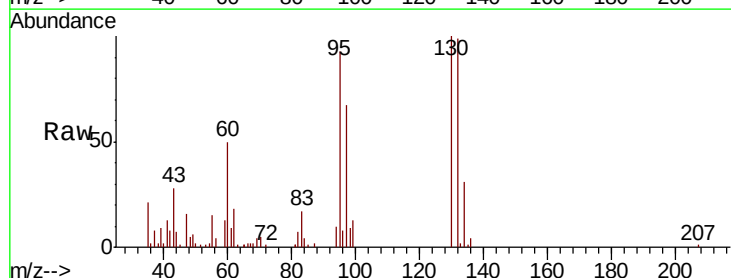
Manual Integrations
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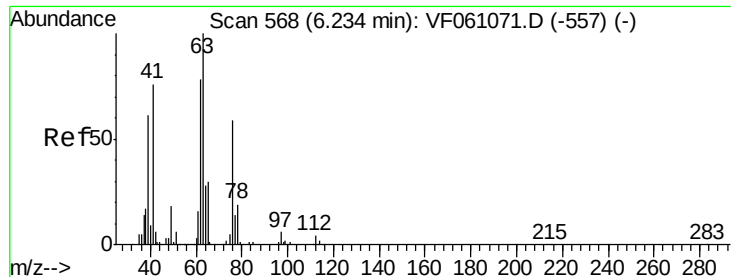
apatel
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#44
Trichloroethene
Concen: 21.834 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	205.2





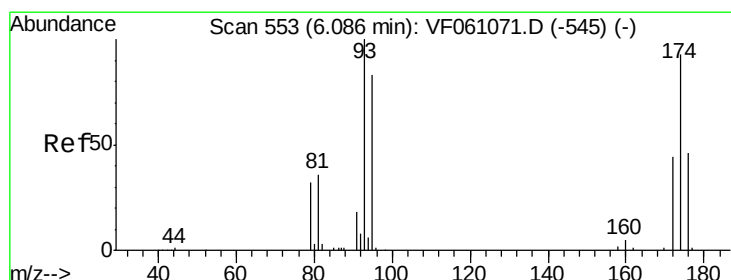
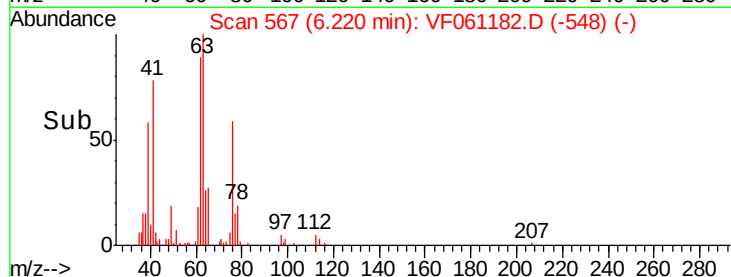
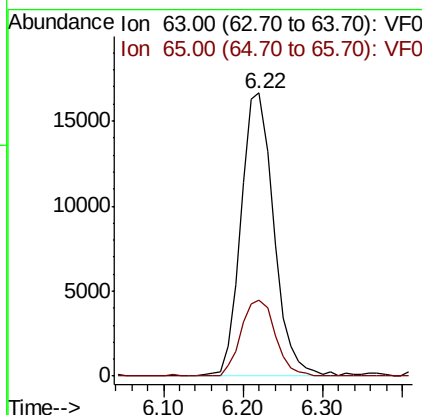
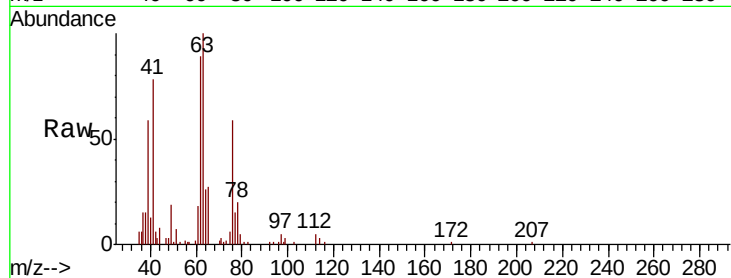
#45
 1,2-Dichloropropane
 Concen: 21.993 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tot Ion: 63 Resp: 47426
 Ion Ratio Lower Upper
 63 100
 65 27.0 24.4 36.6

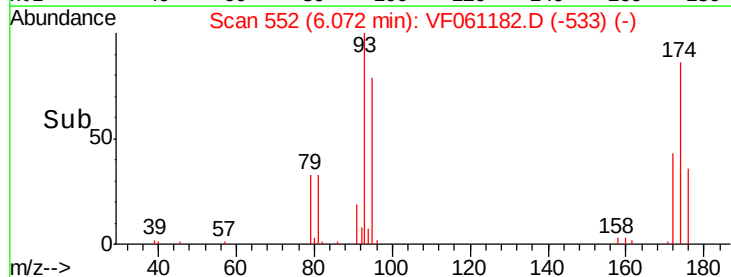
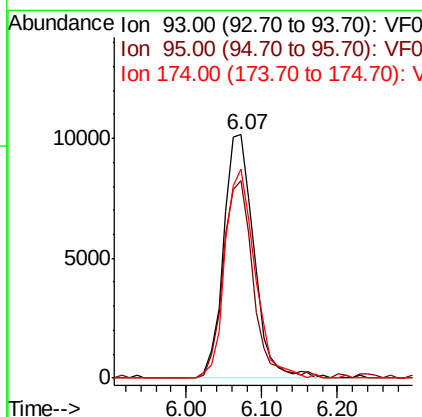
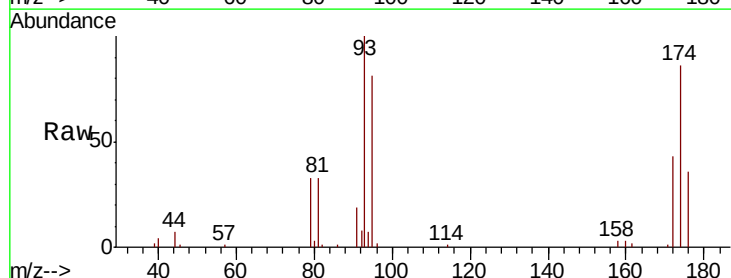
Manual Integrations
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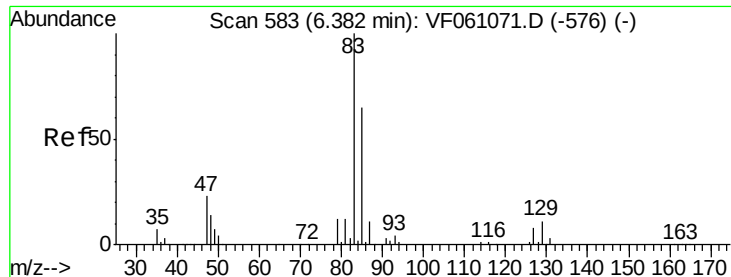
apatel
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#46
 Dibromomethane
 Concen: 20.097 ug/l
 RT: 6.07 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Tgt Ion: 93 Resp: 28109
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.9 100.3
 174 85.8 74.1 111.1





#47

Bromodichloromethane

Concen: 21.376 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

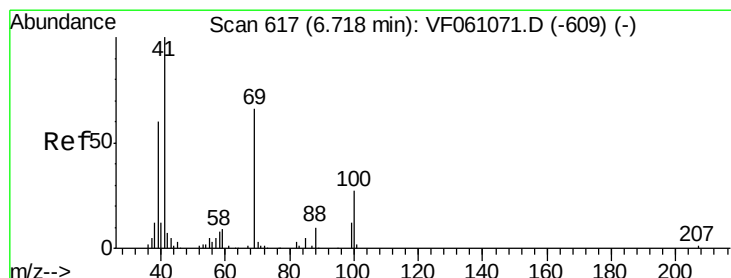
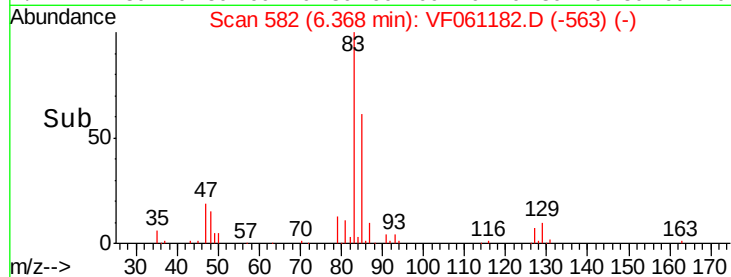
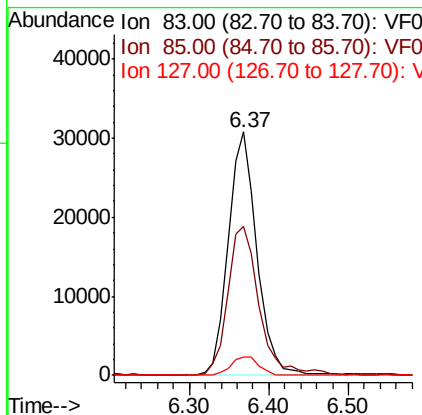
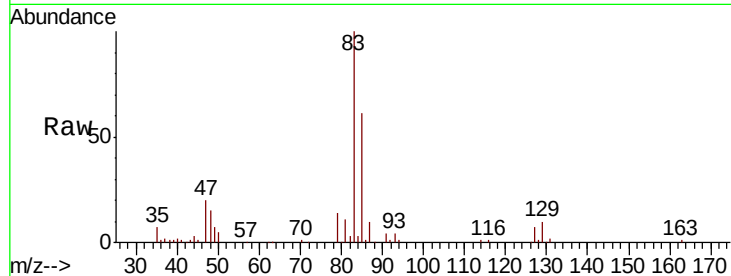
ClientSampleId :

VF1226SBS01

Tot Ion:	83	Resp:	77681
Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.2	78.4
127	7.4	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.384 ug/l

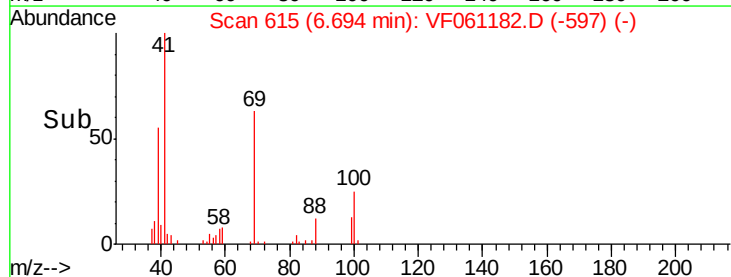
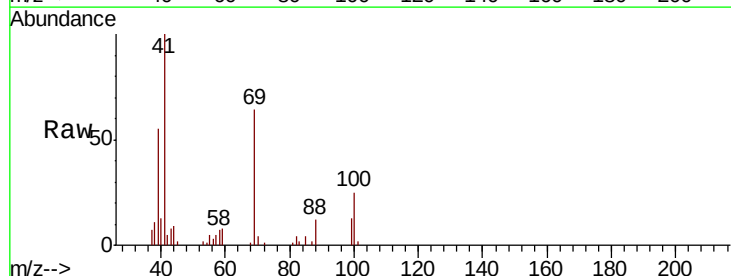
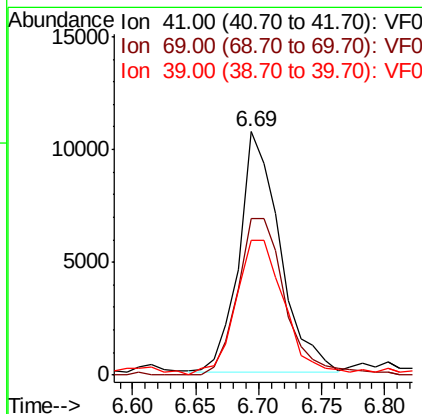
RT: 6.69 min Scan# 615

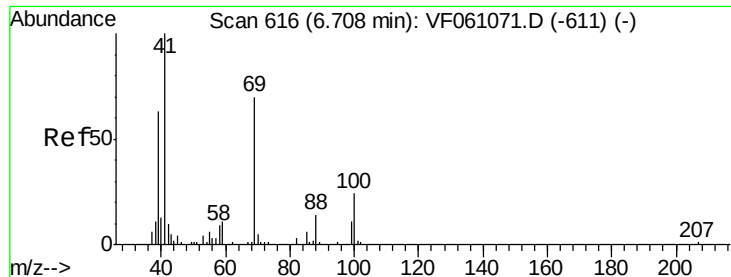
Delta R.T. -0.02 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Tgt Ion:	41	Resp:	24083
Ion	Ratio	Lower	Upper
41	100		
69	64.2	52.7	79.1
39	55.2	47.8	71.6





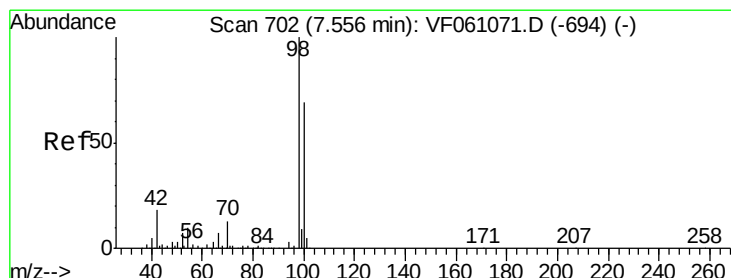
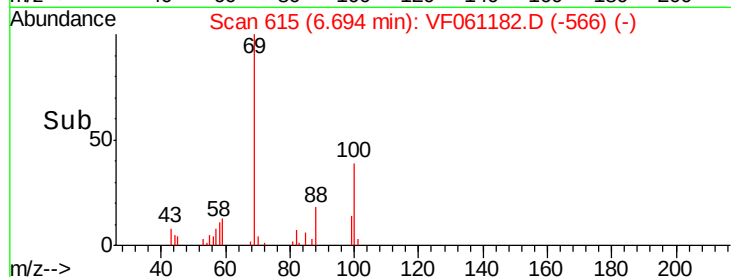
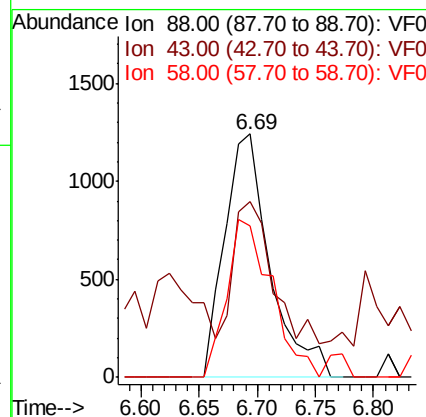
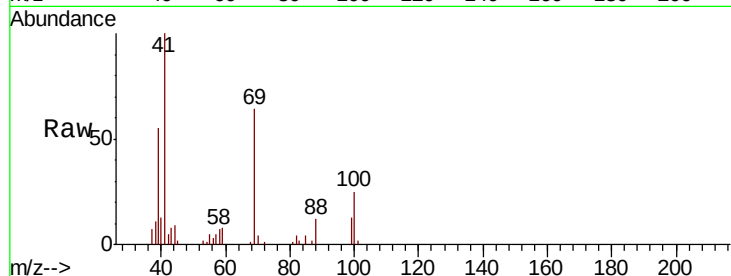
#49
1,4-Dioxane
Concen: 372.278 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	72.5	33.3	49.9#	
58	62.2	53.2	79.8	

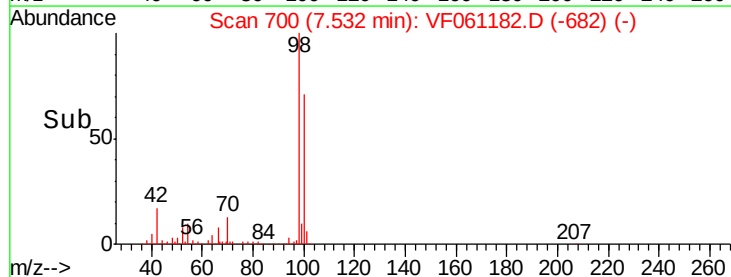
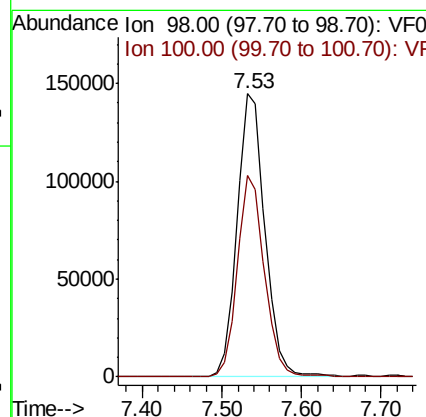
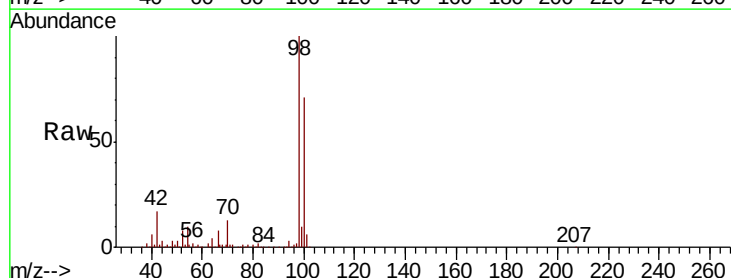
Manual Integrations
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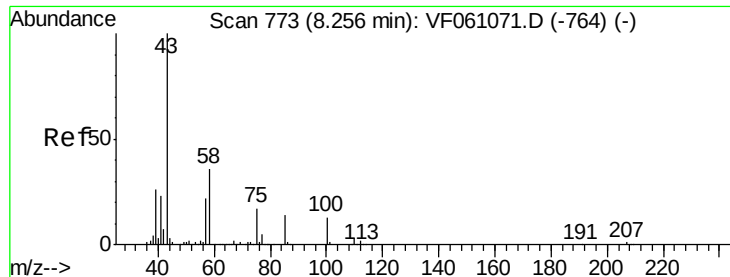
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#50
Toluene-d8
Concen: 50.803 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	71.0	55.3	82.9	





#51

4-Methyl-2-Pentanone

Concen: 109.218 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 43 Resp: 133304

Ion Ratio Lower Upper

43 100

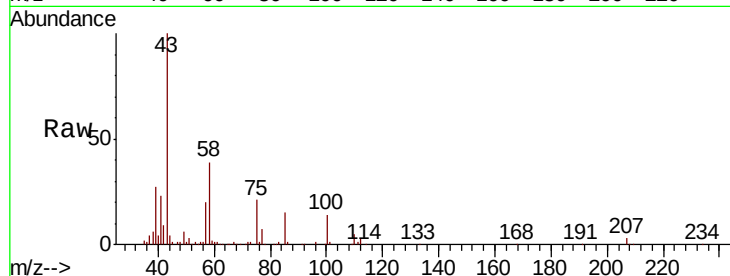
58 39.3 29.1 43.7

Manual Integrations

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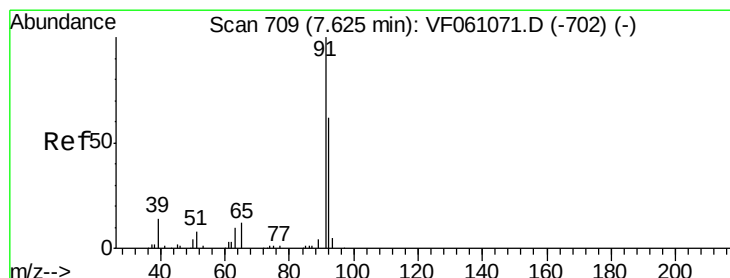
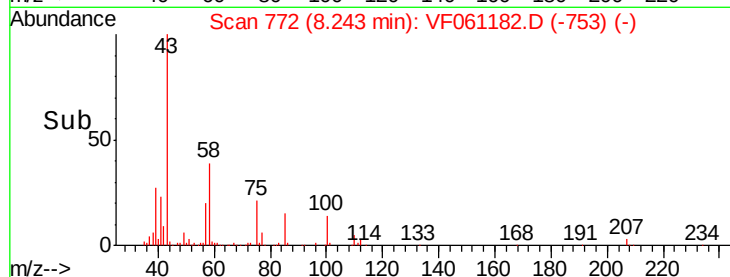
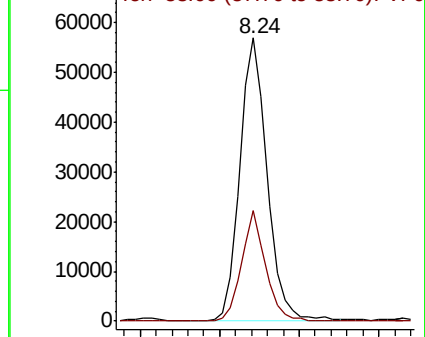
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.089 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061182.D

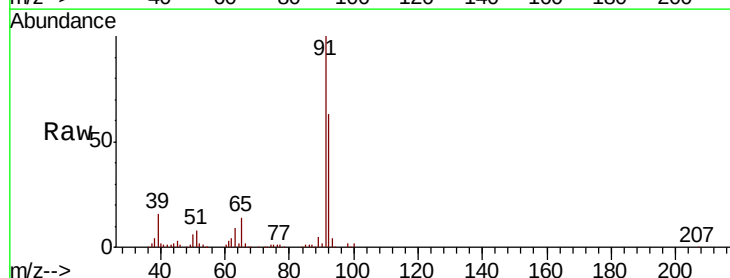
Acq: 26 Dec 2018 12:15

Tgt Ion: 92 Resp: 110646

Ion Ratio Lower Upper

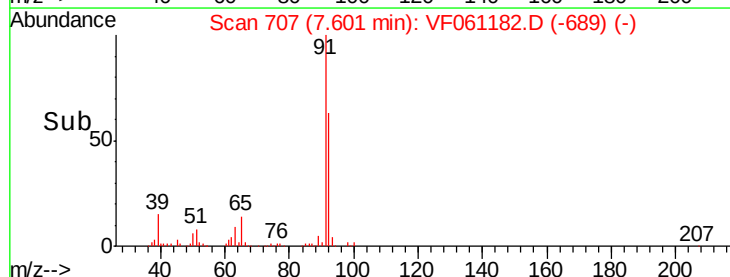
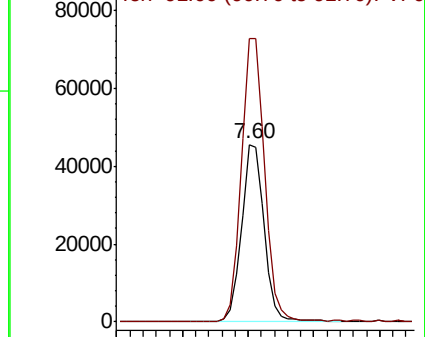
92 100

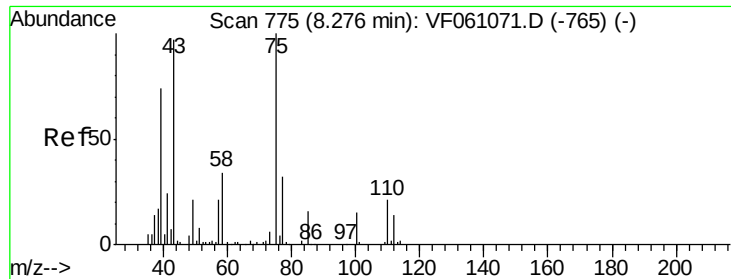
91 159.5 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





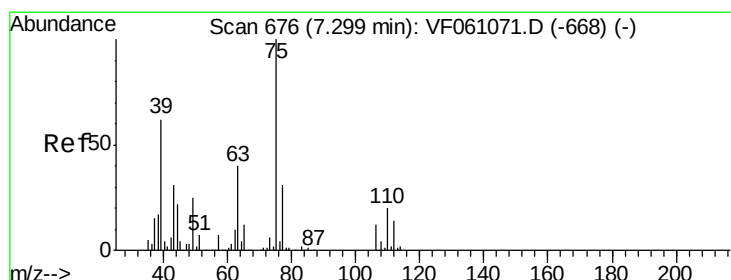
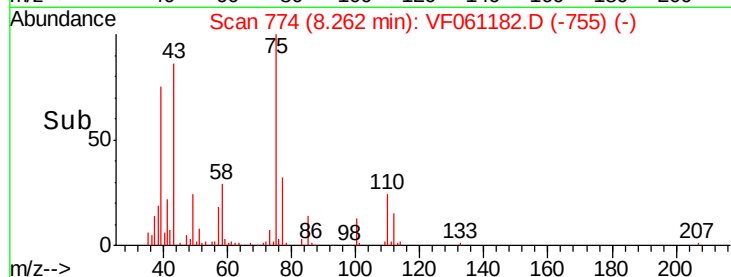
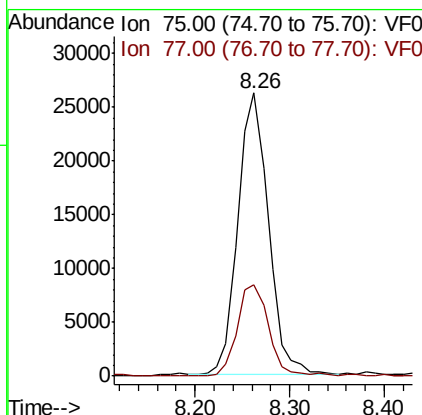
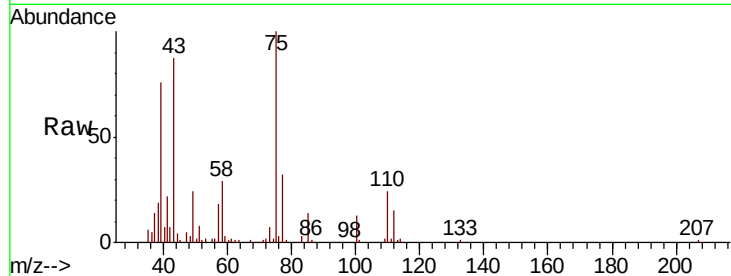
#53
t-1,3-Dichloropropene
Concen: 19.983 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion: 75 Resp: 58584
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.8

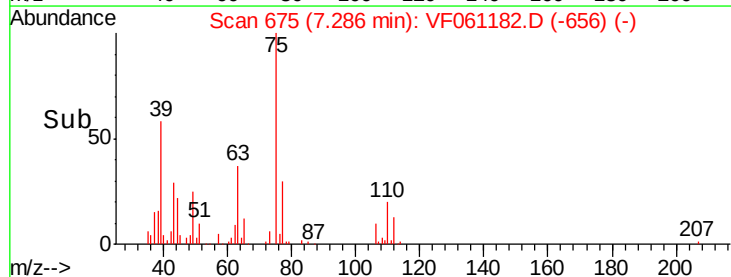
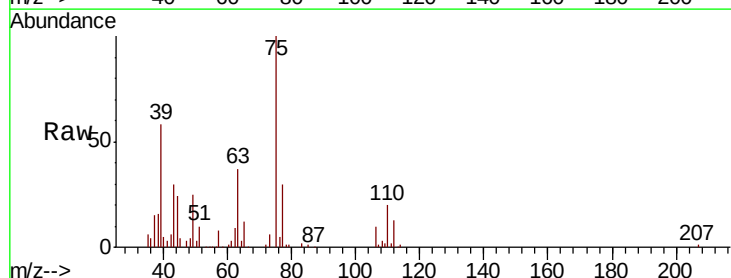
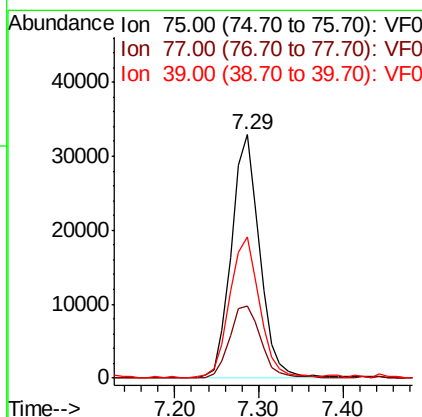
Manual Integrations
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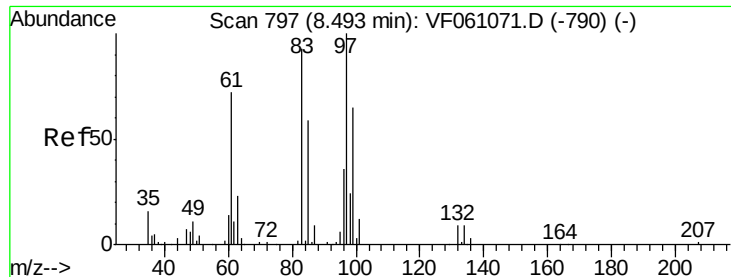
apatel
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#54
cis-1,3-Dichloropropene
Concen: 20.994 ug/l
RT: 7.29 min Scan# 675
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion: 75 Resp: 77246
Ion Ratio Lower Upper
75 100
77 29.7 25.0 37.4
39 58.3 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 22.026 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

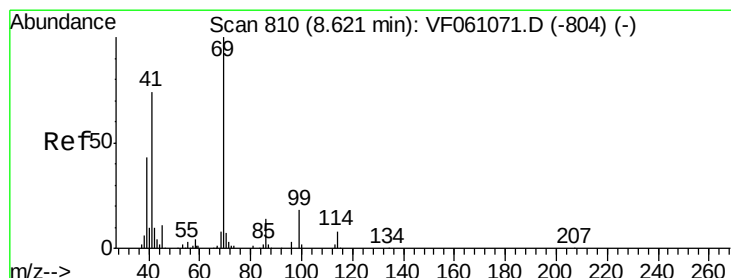
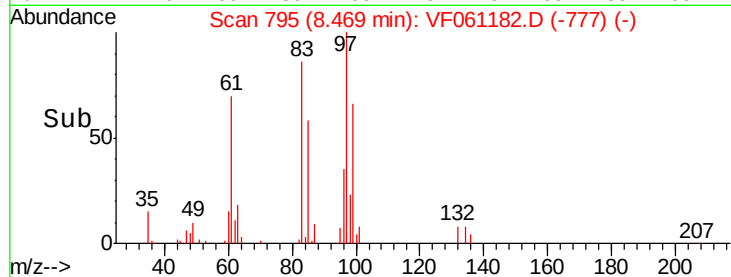
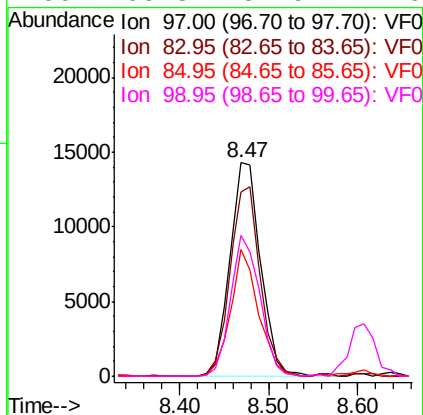
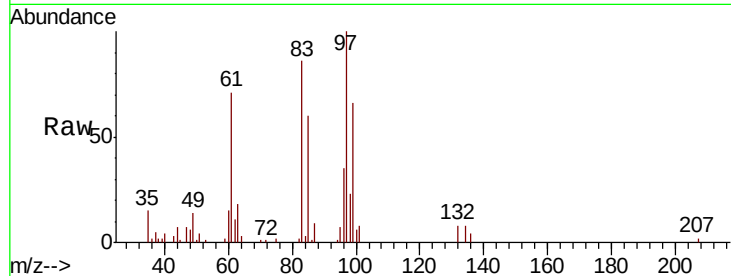
ClientSampleId :

VF1226SBS01

Tot Ion:	97	Resp:	34645
Ion	Ratio	Lower	Upper
97	100		
83	86.4	75.0	112.4
85	59.5	47.5	71.3
99	65.8	51.9	77.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 22.093 ug/l

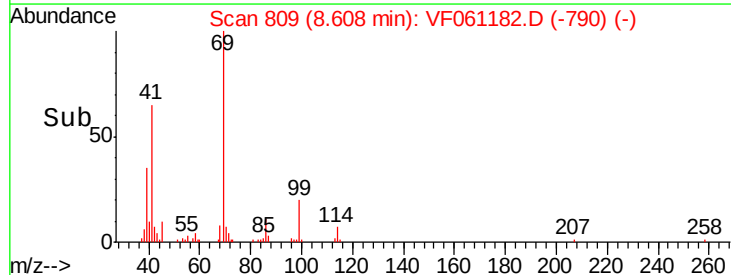
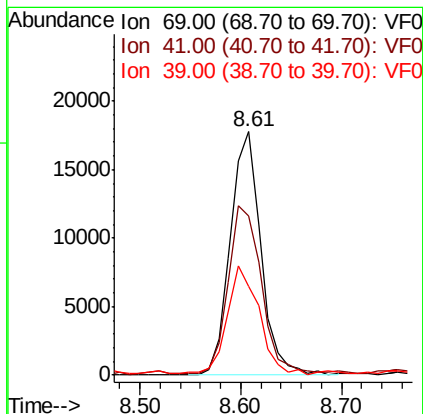
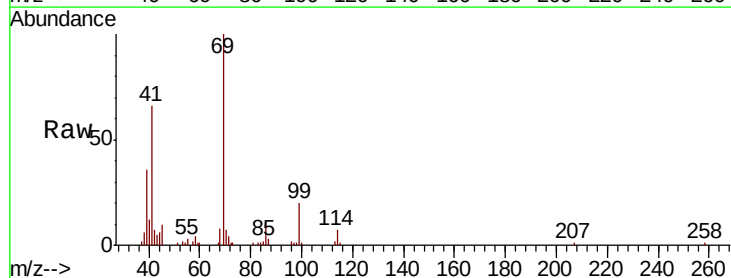
RT: 8.61 min Scan# 809

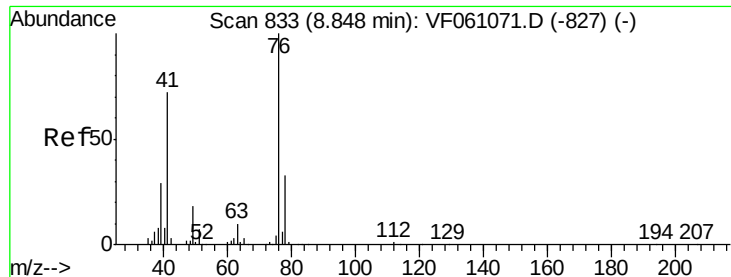
Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Tgt Ion:	69	Resp:	37602
Ion	Ratio	Lower	Upper
69	100		
41	65.6	59.7	89.5
39	36.5	35.0	52.6





#57

1,3-Dichloropropane

Concen: 22.603 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 76 Resp: 64301

Ion Ratio Lower Upper

76 100

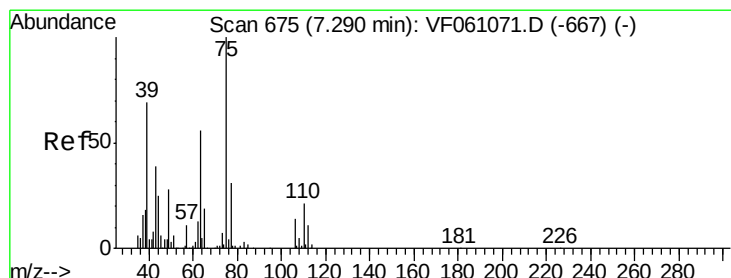
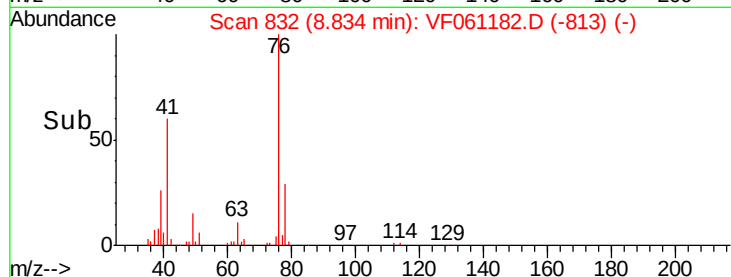
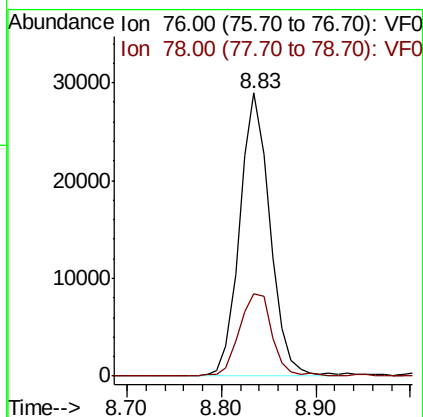
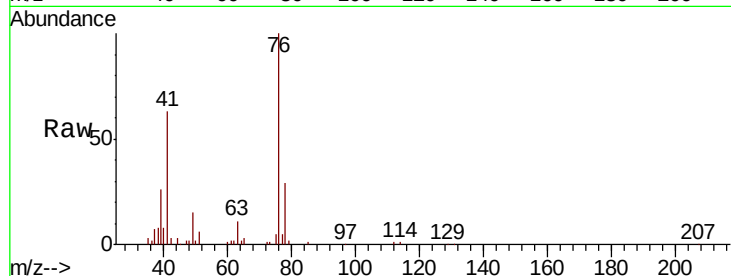
78 28.9 26.5 39.7

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 101.793 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061182.D

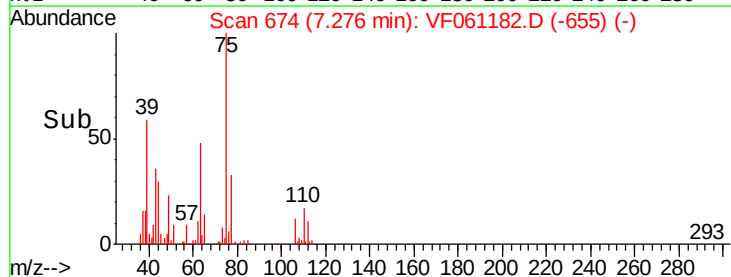
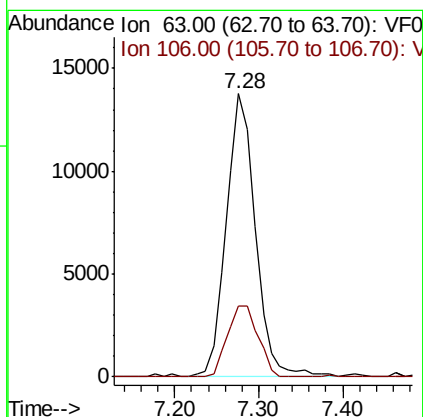
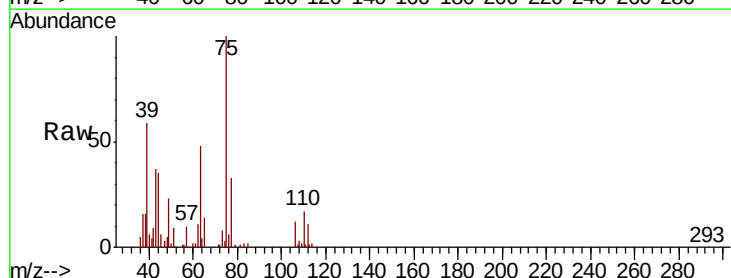
Acq: 26 Dec 2018 12:15

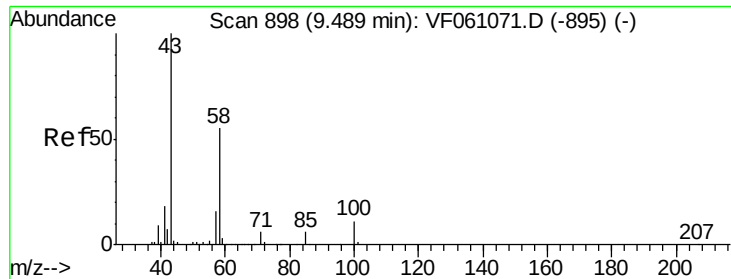
Tgt Ion: 63 Resp: 33274

Ion Ratio Lower Upper

63 100

106 25.2 19.8 29.8





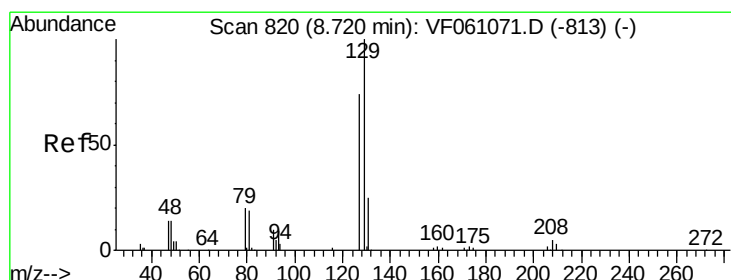
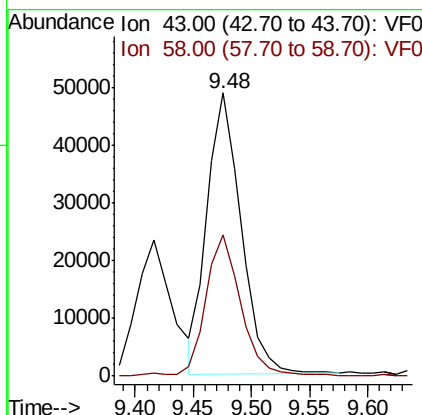
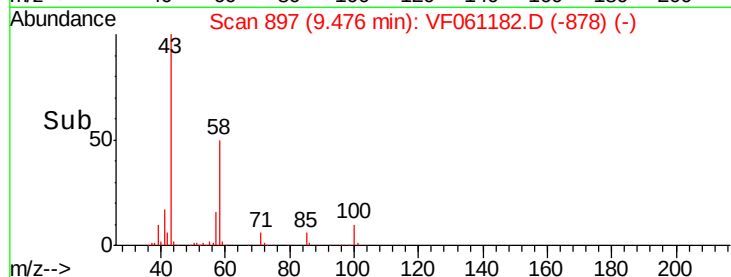
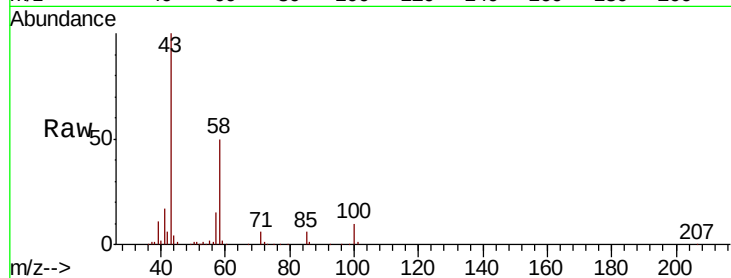
#59
2-Hexanone
Concen: 112.984 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion: 43 Resp: 99726
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.2

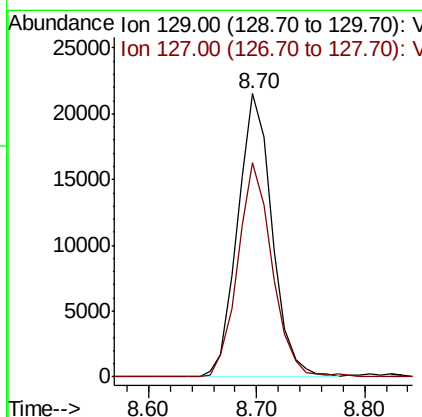
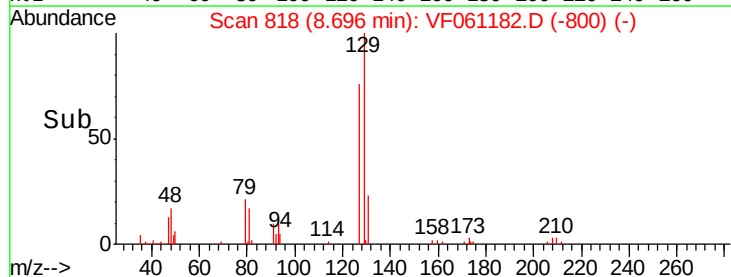
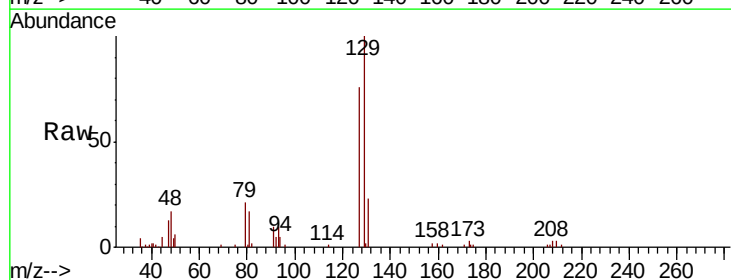
Manual Integrations
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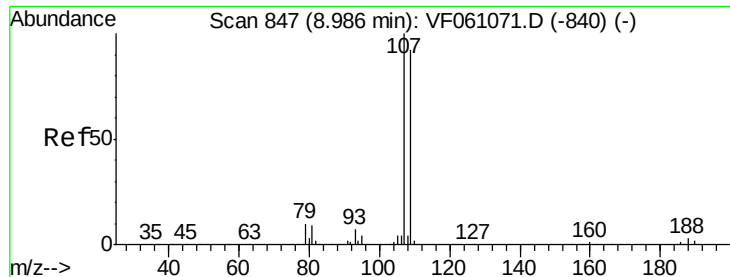
apatel
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#60
Dibromochloromethane
Concen: 21.113 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion: 129 Resp: 47604
Ion Ratio Lower Upper
129 100
127 75.9 36.8 110.3





#61

1,2-Dibromoethane

Concen: 21.528 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.02 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 107 Resp: 36164

Ion Ratio Lower Upper

107 100

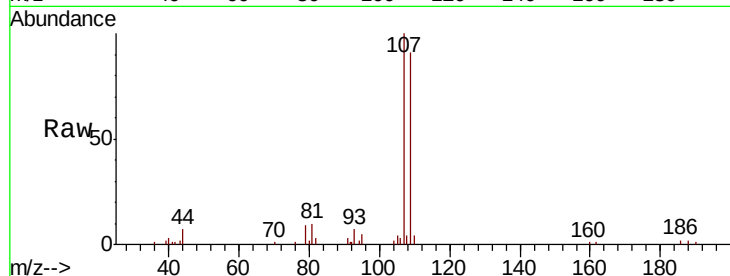
109 91.5 73.7 110.5

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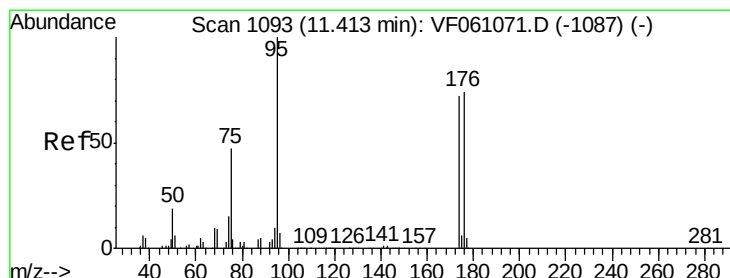
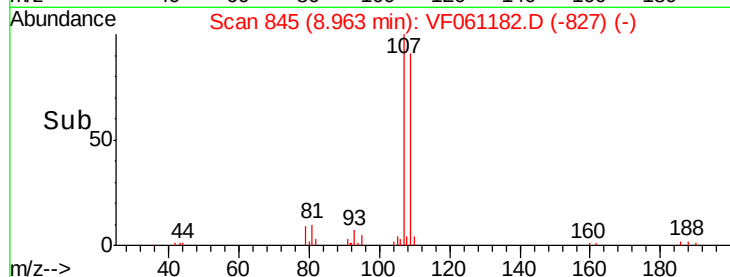
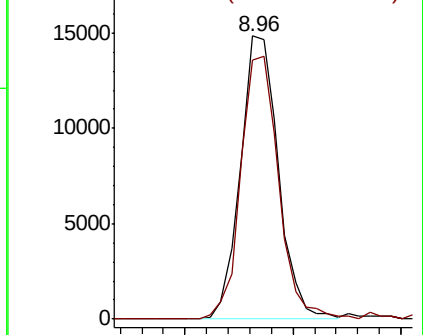
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.371 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

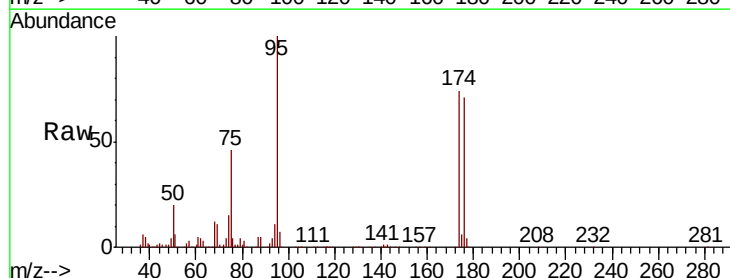
Tgt Ion: 95 Resp: 167357

Ion Ratio Lower Upper

95 100

174 74.4 0.0 143.8

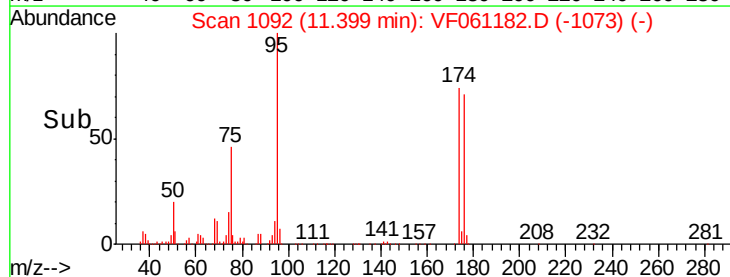
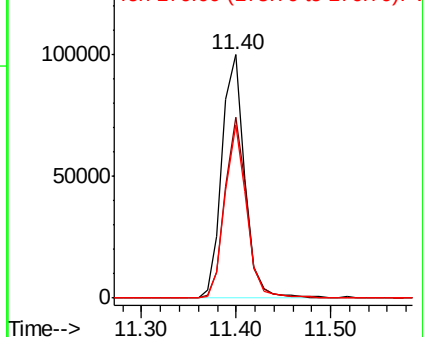
176 71.1 0.0 147.6

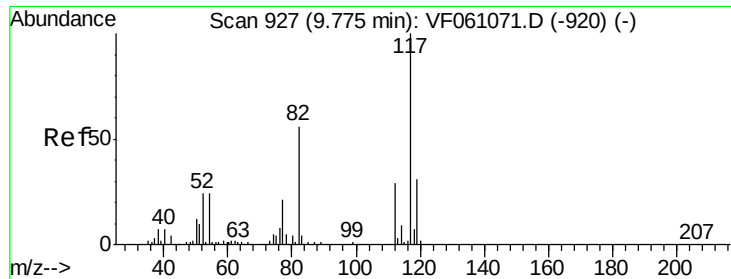


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





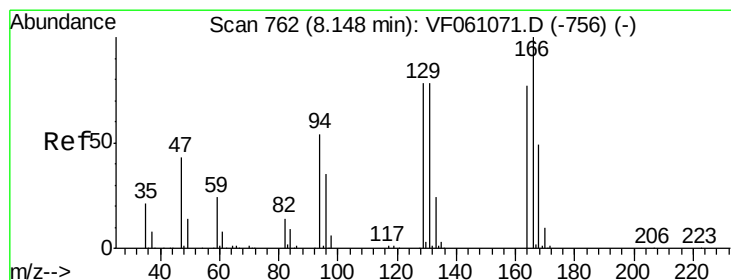
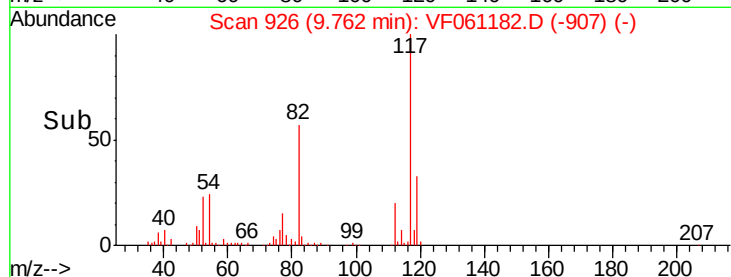
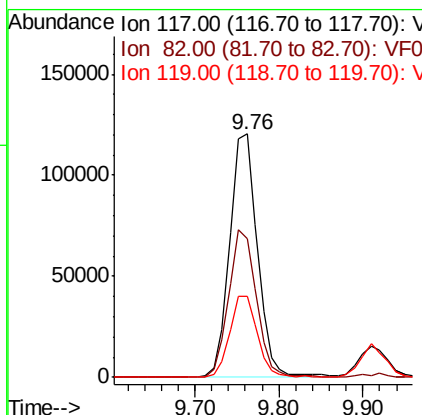
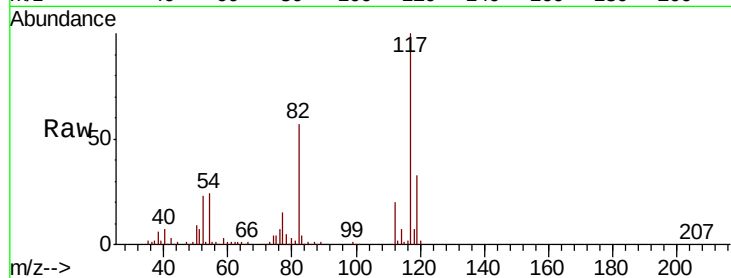
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	277668		
82	57.2		45.0	67.4
119	33.1		24.8	37.2

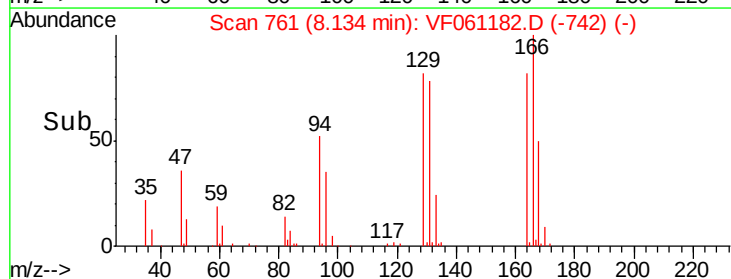
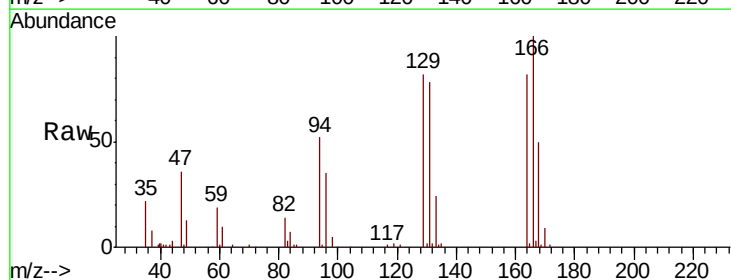
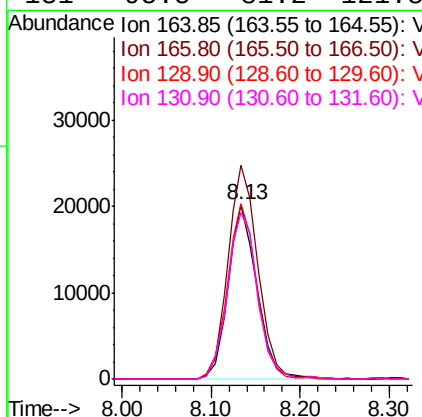
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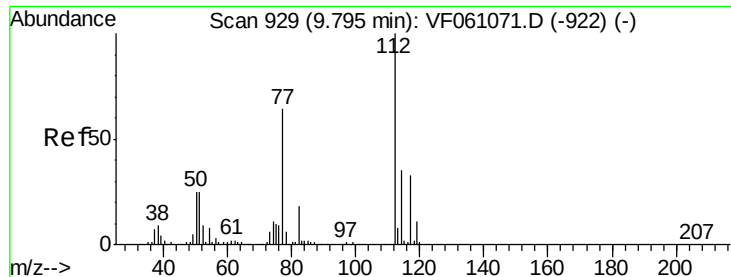
apatel
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#64
Tetrachloroethene
Concen: 21.265 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45422		
166	122.6		104.0	156.0
129	101.0		81.1	121.7
131	95.5		81.2	121.8





#65

Chlorobenzene

Concen: 21.209 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion:112 Resp: 121659

Ion Ratio Lower Upper

112 100

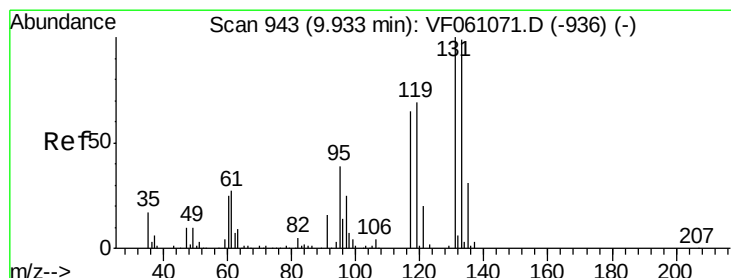
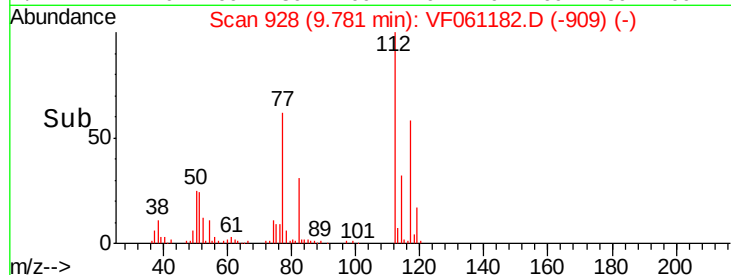
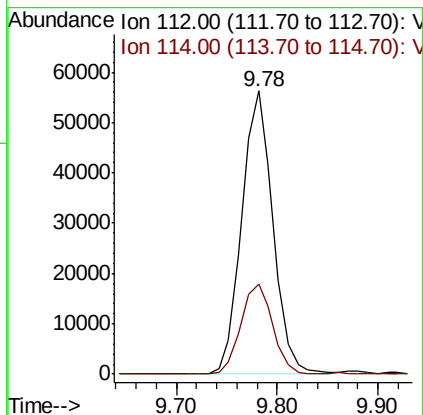
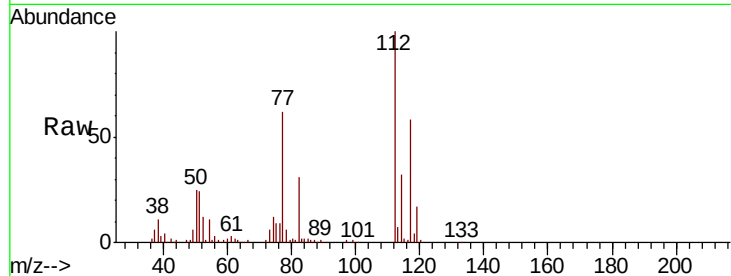
114 31.8 27.8 41.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.538 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.02 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

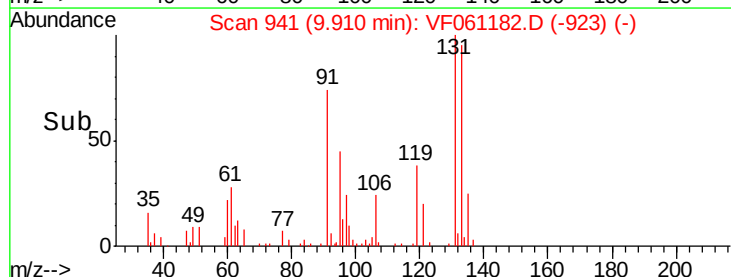
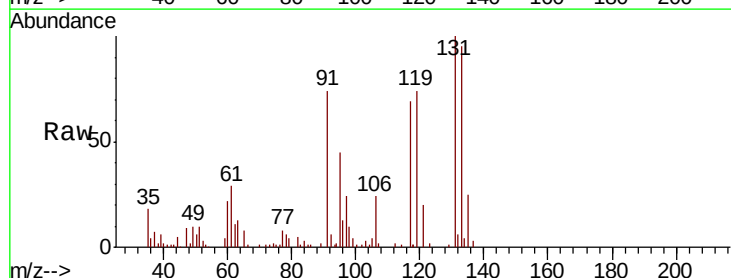
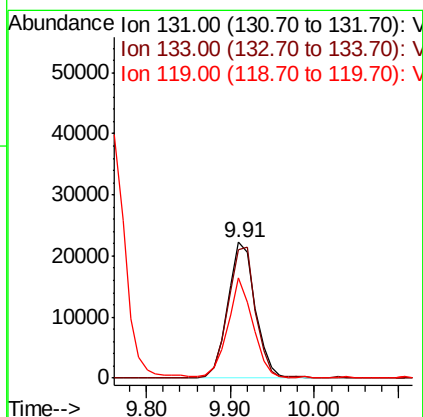
Tgt Ion:131 Resp: 50489

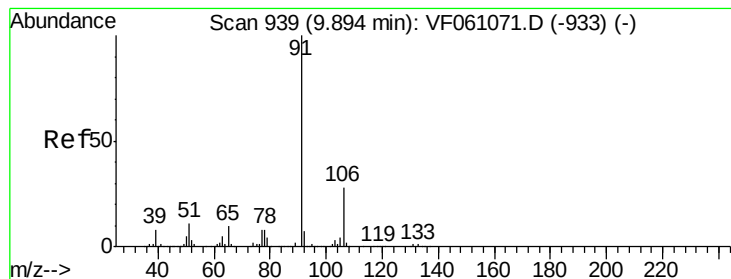
Ion Ratio Lower Upper

131 100

133 95.0 49.5 148.7

119 73.8 34.5 103.5





#67

Ethyl Benzene

Concen: 22.262 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 91 Resp: 232647

Ion Ratio Lower Upper

91 100

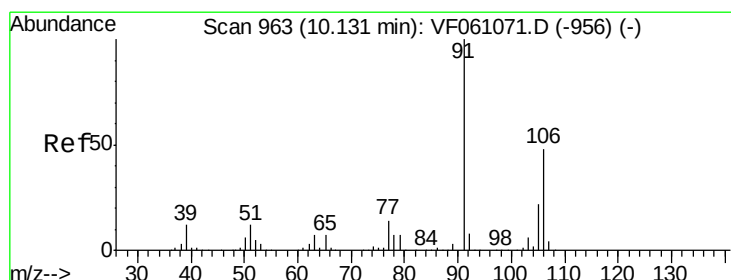
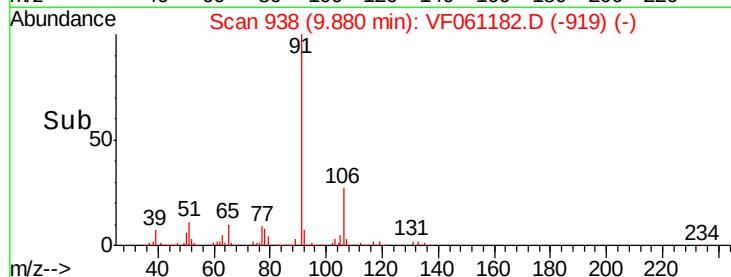
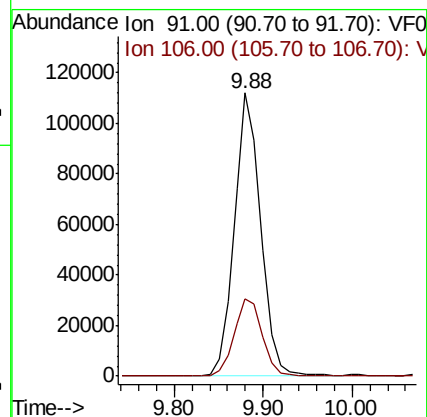
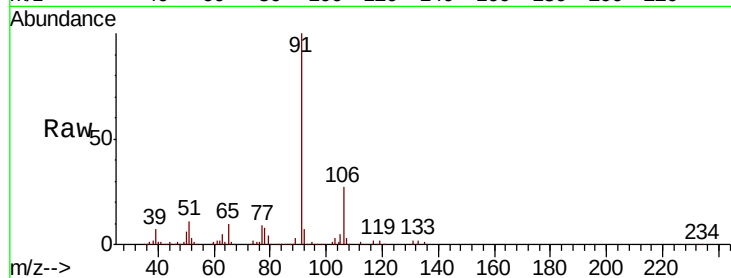
106 27.3 22.5 33.7

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#68

m/p-Xylenes

Concen: 47.009 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF061182.D

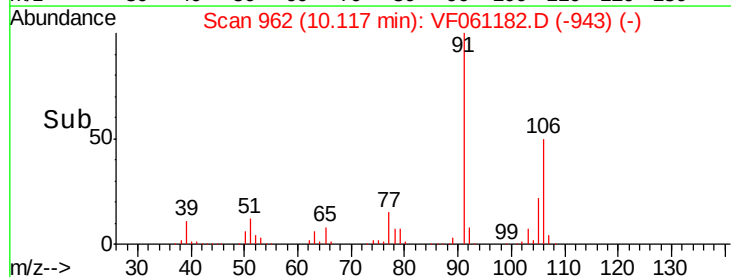
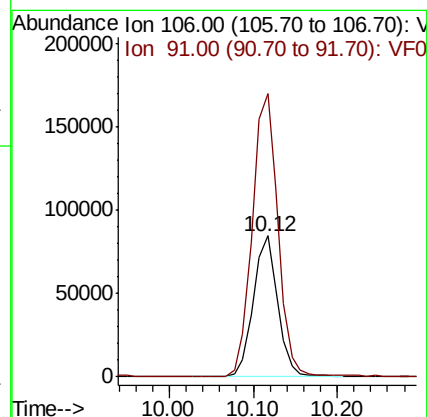
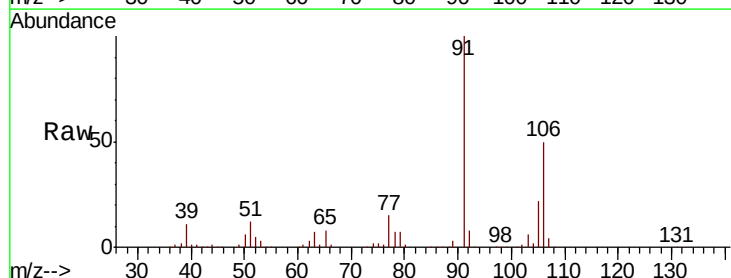
Acq: 26 Dec 2018 12:15

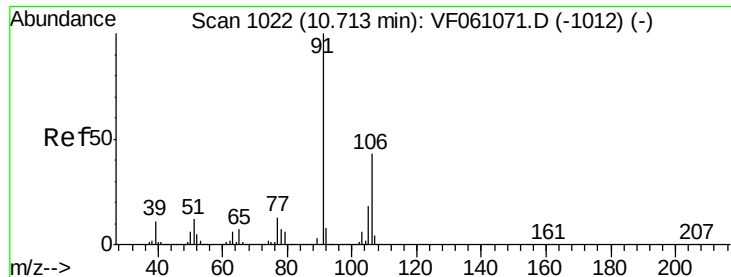
Tgt Ion: 106 Resp: 172887

Ion Ratio Lower Upper

106 100

91 200.8 168.2 252.2





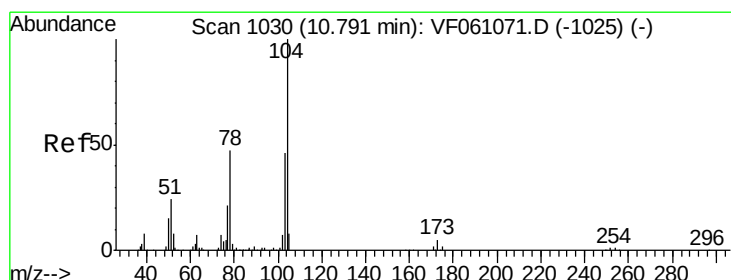
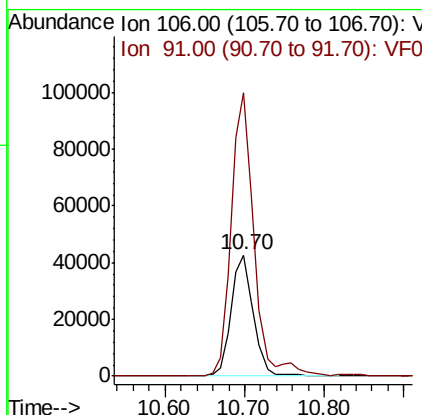
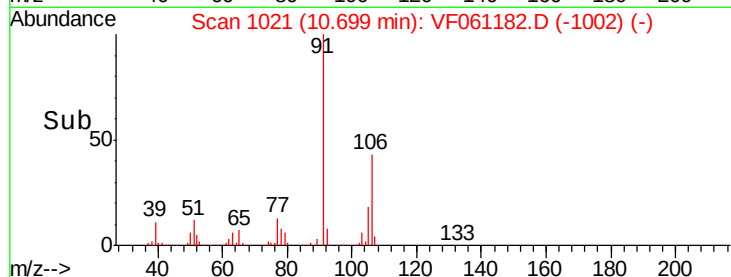
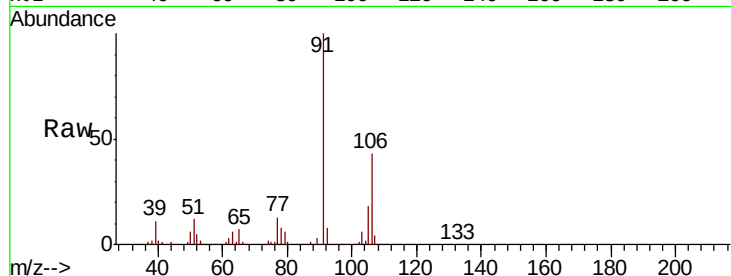
#69
o-Xylene
Concen: 20.428 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion:106 Resp: 83324
Ion Ratio Lower Upper
106 100
91 233.4 115.9 347.7

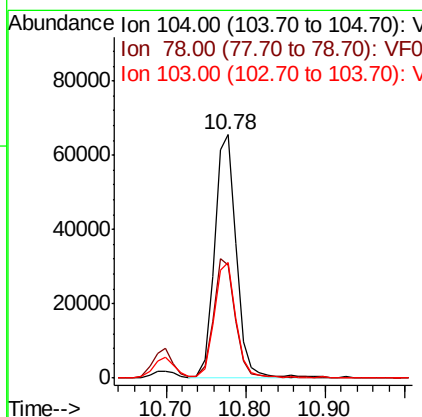
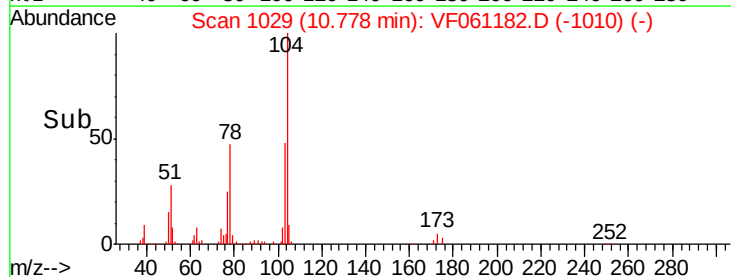
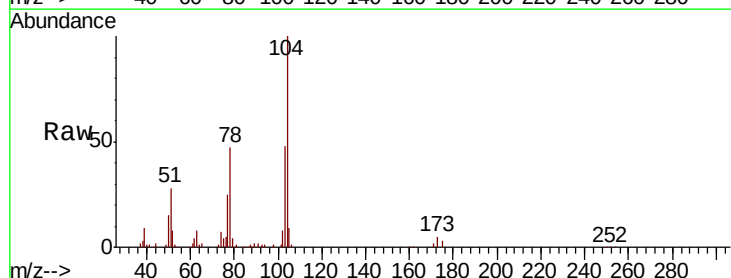
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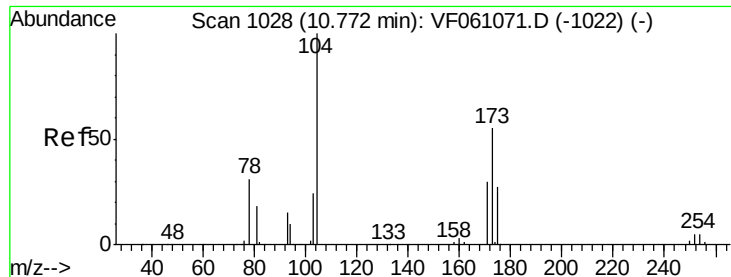
apatel
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#70
Styrene
Concen: 22.783 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion:104 Resp: 126452
Ion Ratio Lower Upper
104 100
78 46.7 38.4 57.6
103 47.6 37.0 55.6





#71

Bromoform

Concen: 21.810 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

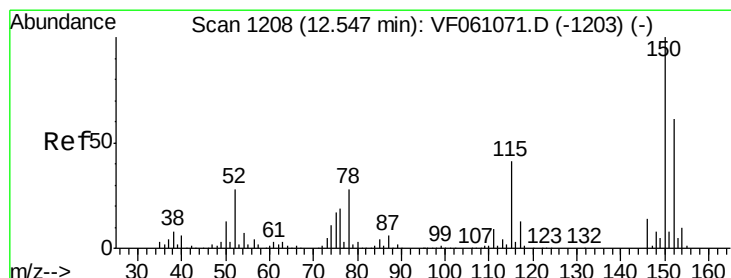
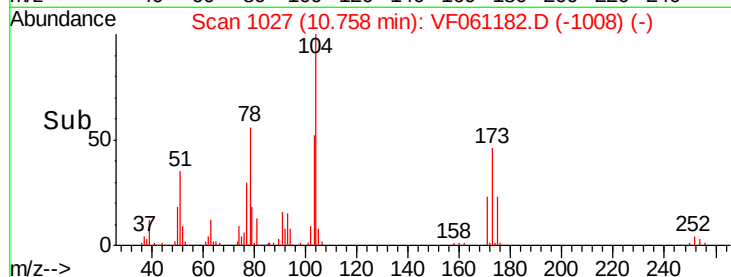
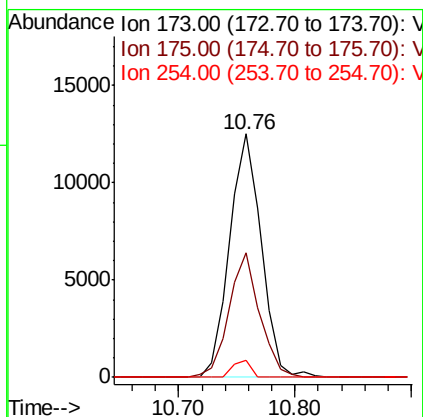
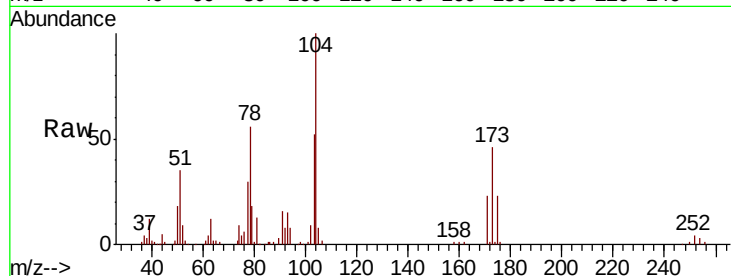
ClientSampleId :

VF1226SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.6	24.8	74.4
254	7.0	0.0	0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

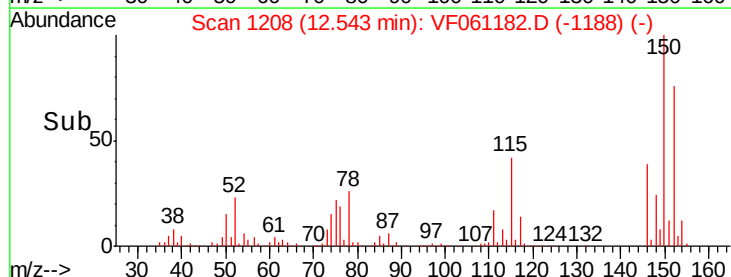
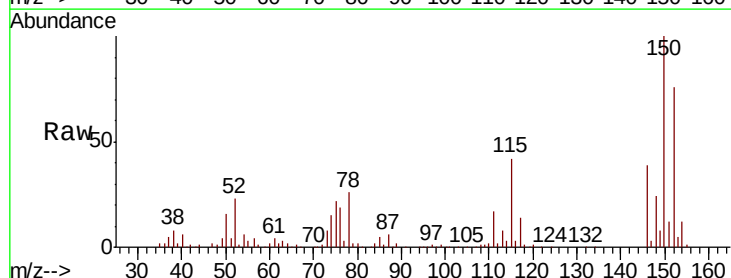
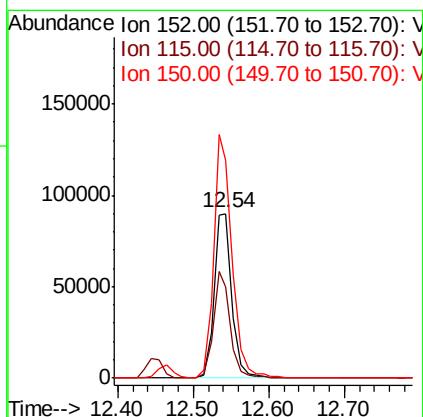
RT: 12.54 min Scan# 1208

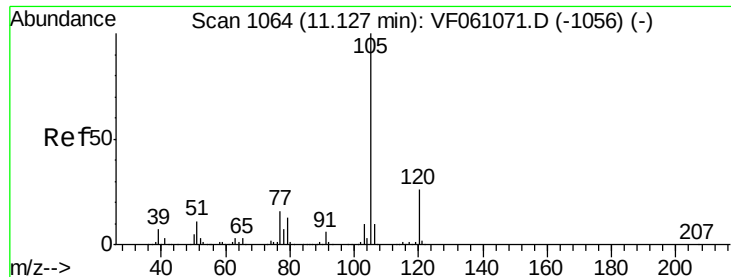
Delta R.T. -0.00 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	33.3	99.9
150	132.4	0.0	328.2





#73

Isopropylbenzene

Concen: 20.875 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion:105 Resp: 268574

Ion Ratio Lower Upper

105 100

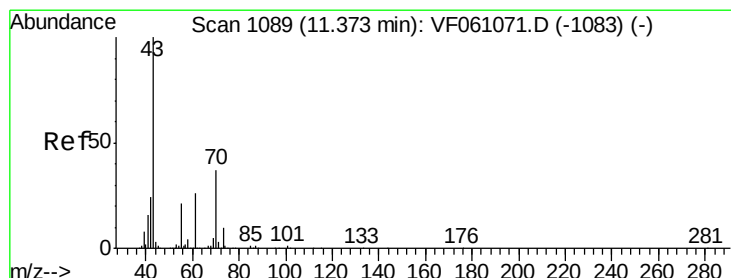
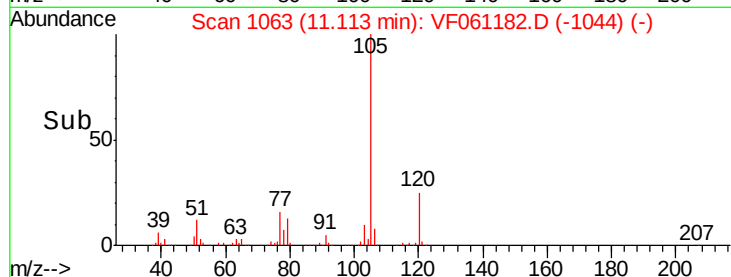
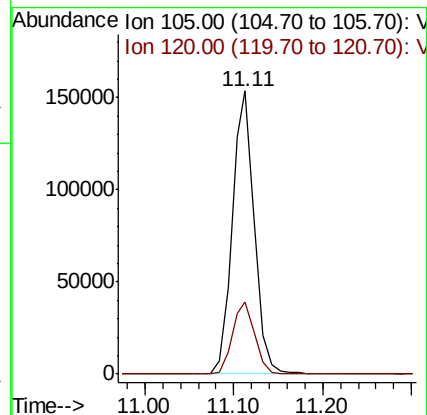
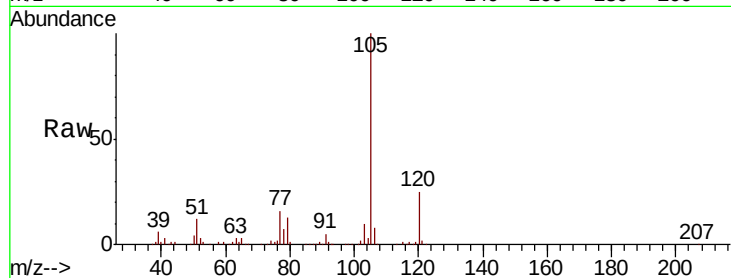
120 25.4 13.0 39.0

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#74

N-ethyl acetate

Concen: 20.816 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Tgt Ion: 43 Resp: 59460

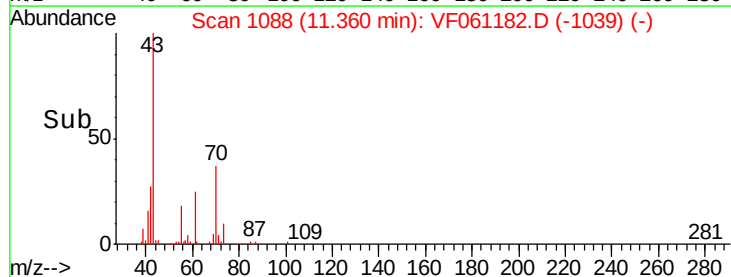
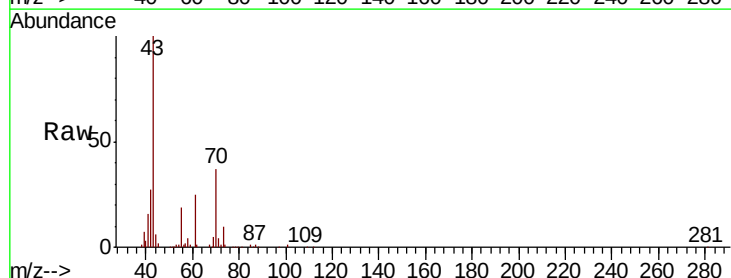
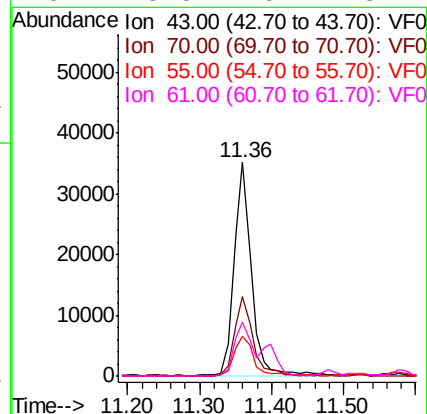
Ion Ratio Lower Upper

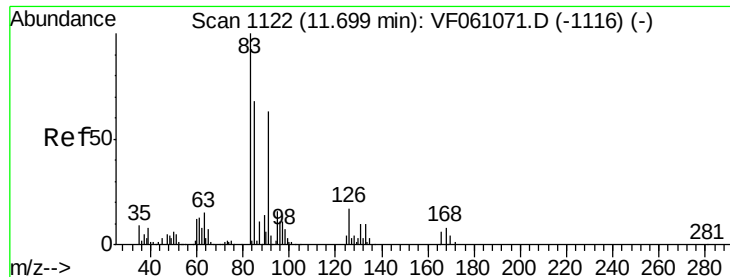
43 100

70 37.0 29.2 43.8

55 18.6 16.5 24.7

61 25.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.527 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

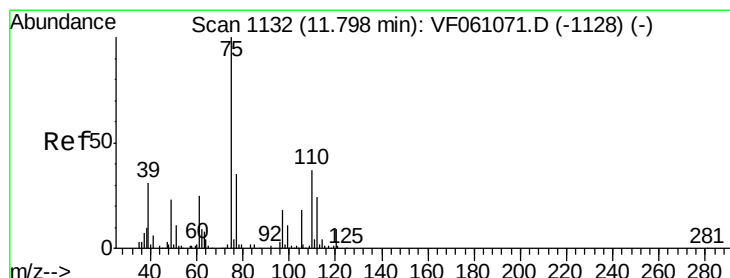
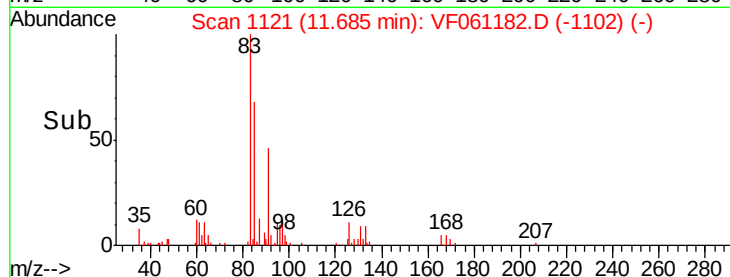
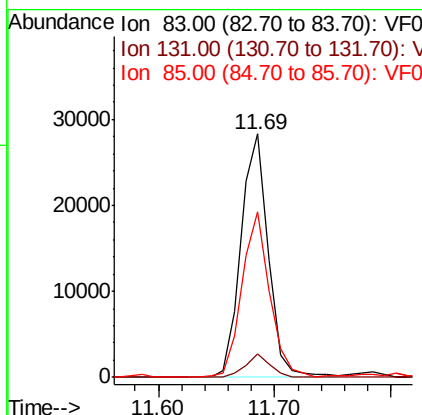
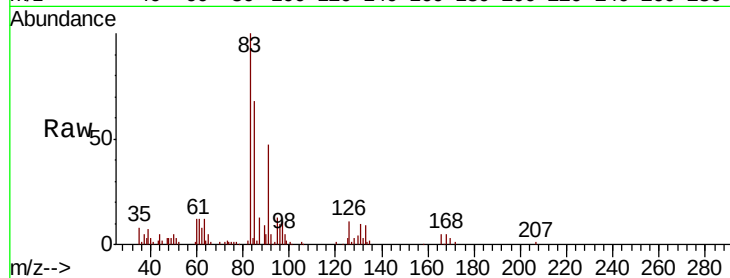
ClientSampleId :

VF1226SBS01

Tot Ion:	83	Resp:	45967
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	67.8	33.9	101.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.612 ug/l

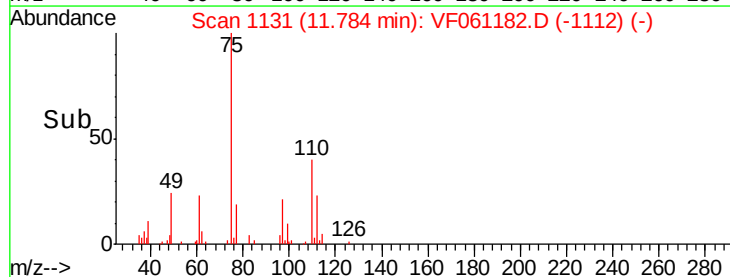
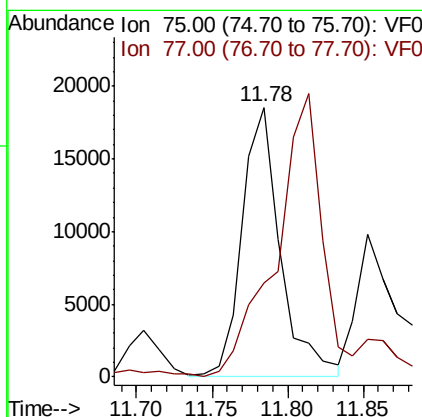
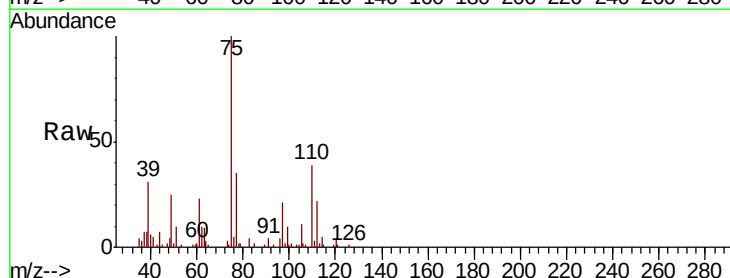
RT: 11.78 min Scan# 1131

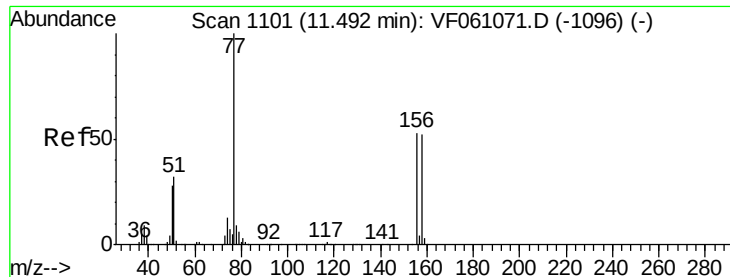
Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Tgt Ion:	75	Resp:	32754
Ion Ratio	Lower	Upper	
75	100		
77	35.0	17.6	52.9





#77

Bromobenzene

Concen: 20.325 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

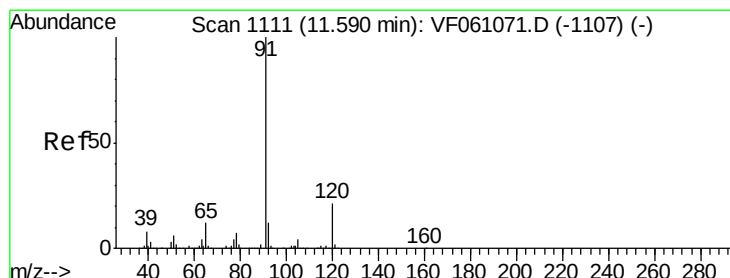
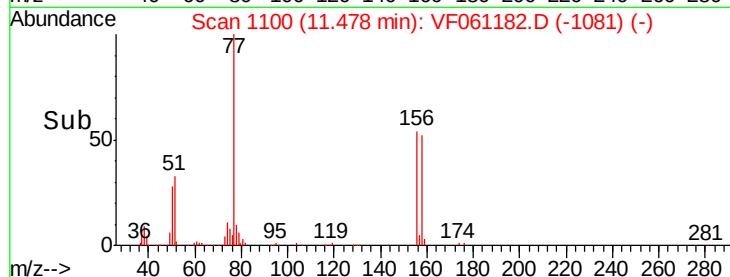
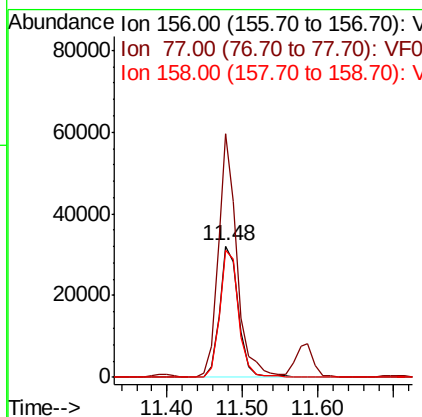
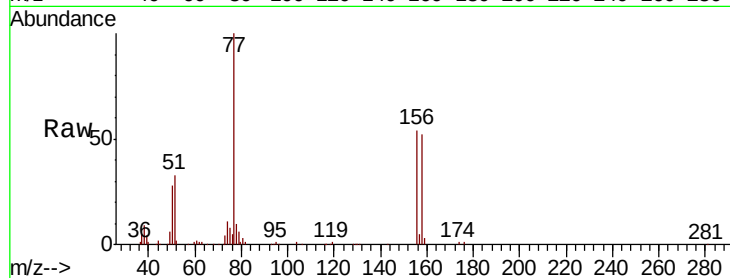
ClientSampleId :

VF1226SBS01

Tot Ion:	156	Resp:	56292
Ion	Ratio	Lower	Upper
156	100		
77	185.9	93.8	281.4
158	96.7	48.9	146.8

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#78

n-propylbenzene

Concen: 20.166 ug/l

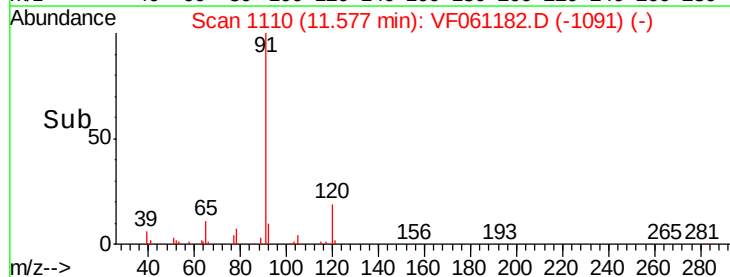
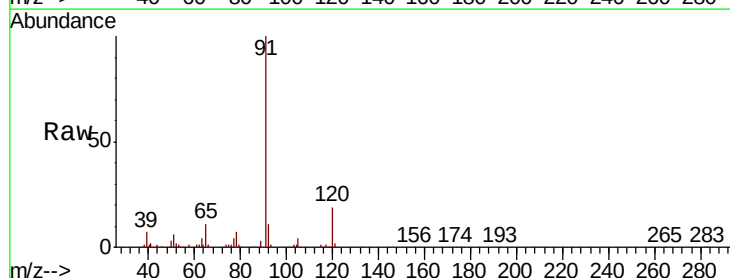
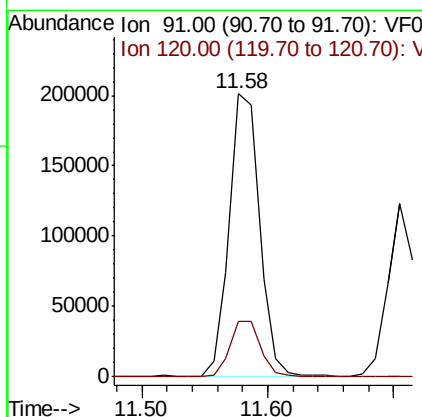
RT: 11.58 min Scan# 1110

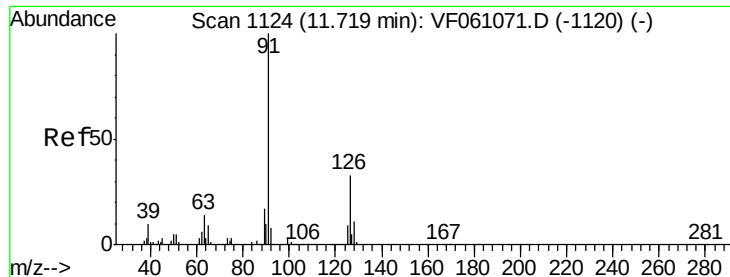
Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Tgt Ion:	91	Resp:	336690
Ion	Ratio	Lower	Upper
91	100		
120	19.4	10.4	31.2





#79

2-Chlorotoluene

Concen: 20.857 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 91 Resp: 184084

Ion Ratio Lower Upper

91 100

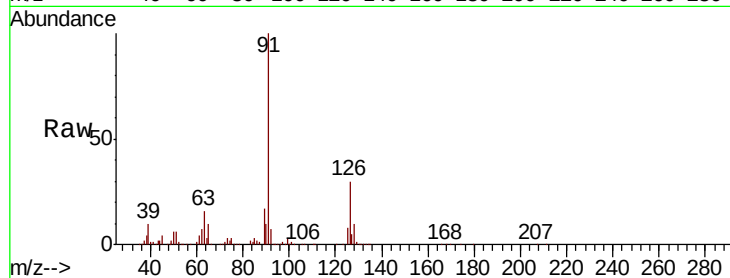
126 30.4 16.4 49.1

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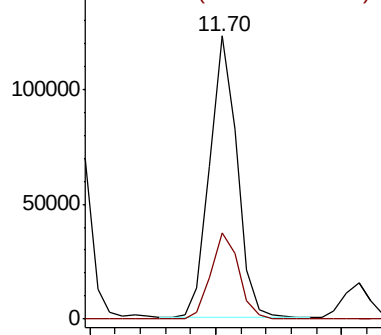
apatel

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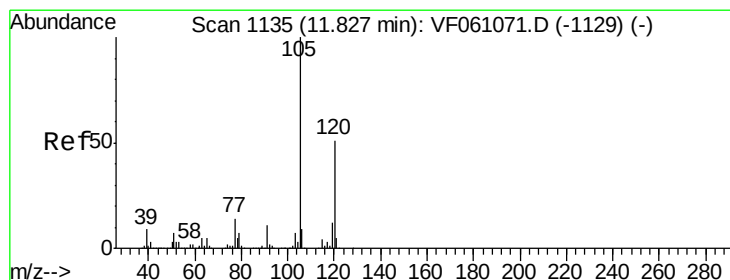
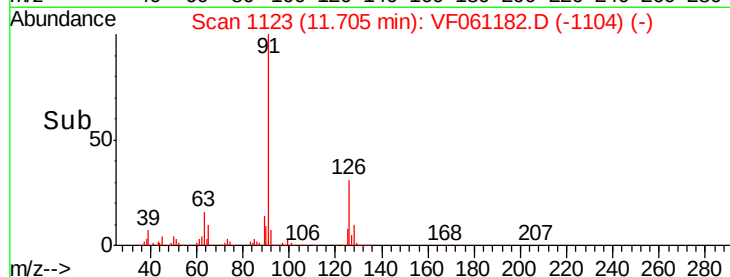


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time--> 11.60 11.70 11.80



#80

1,3,5-Trimethylbenzene

Concen: 20.641 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061182.D

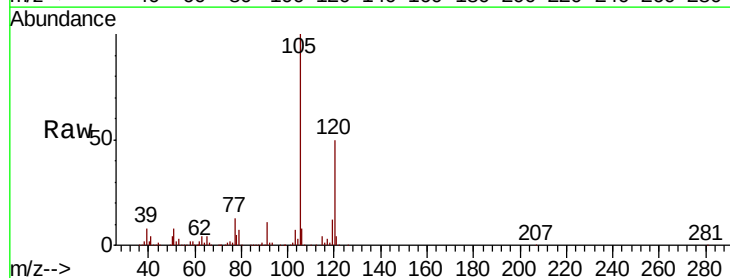
Acq: 26 Dec 2018 12:15

Tgt Ion: 105 Resp: 218667

Ion Ratio Lower Upper

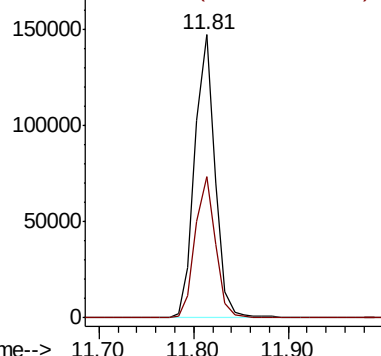
105 100

120 49.9 25.4 76.4

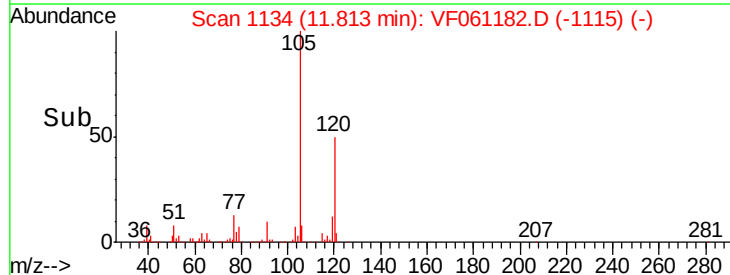


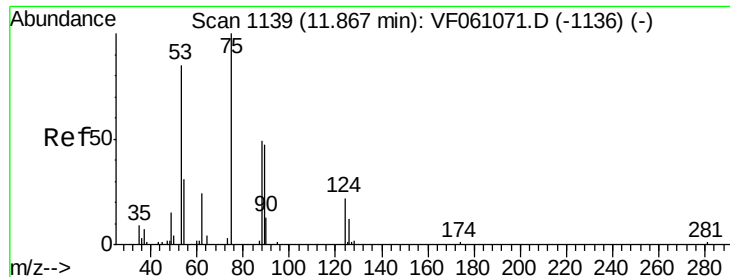
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 11.70 11.80 11.90





#81

trans-1,4-Dichloro-2-butene

Concen: 21.497 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061182.D

Acq: 26 Dec 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VF1226SBS01

Tot Ion: 75 Resp: 14679

Ion Ratio Lower Upper

75 100

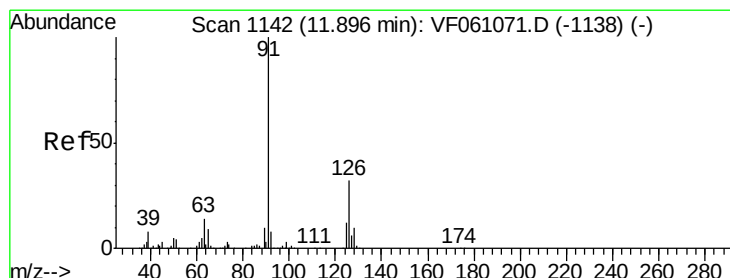
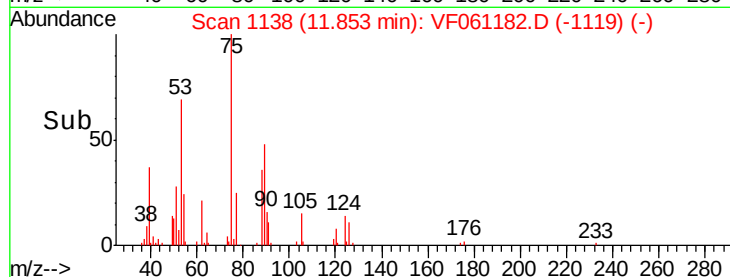
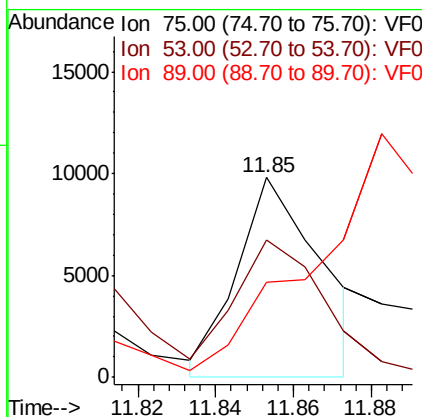
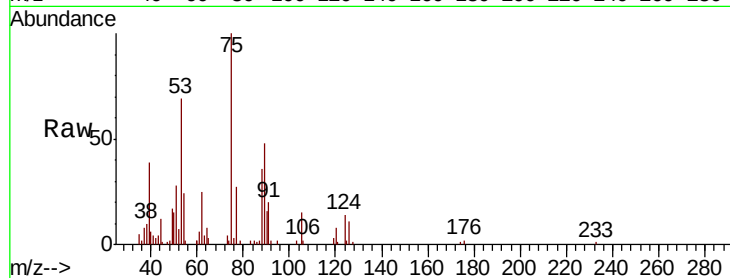
53 68.8 74.1 111.1#

89 47.5 42.6 64.0

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#82

4-Chlorotoluene

Concen: 20.153 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061182.D

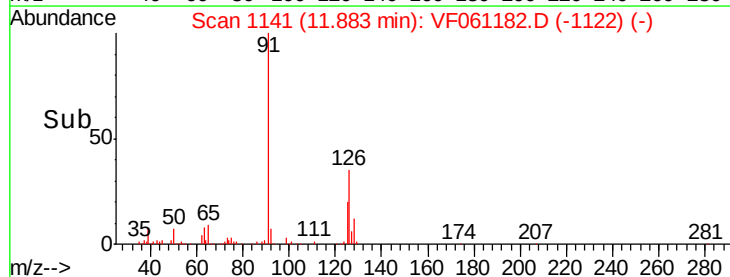
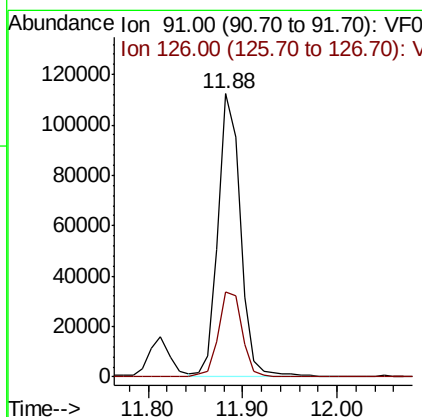
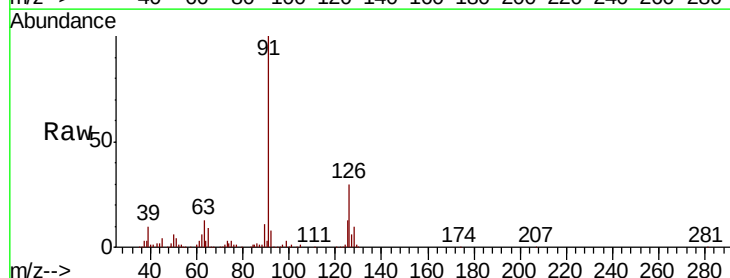
Acq: 26 Dec 2018 12:15

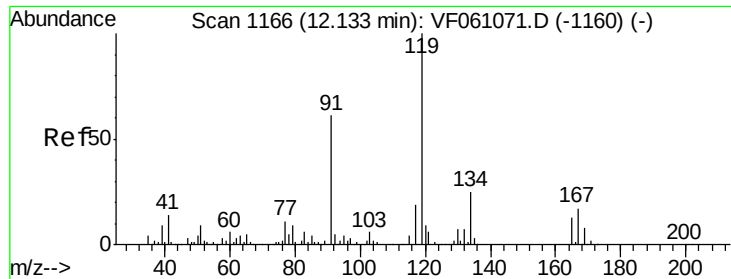
Tgt Ion: 91 Resp: 184002

Ion Ratio Lower Upper

91 100

126 30.0 16.0 47.9





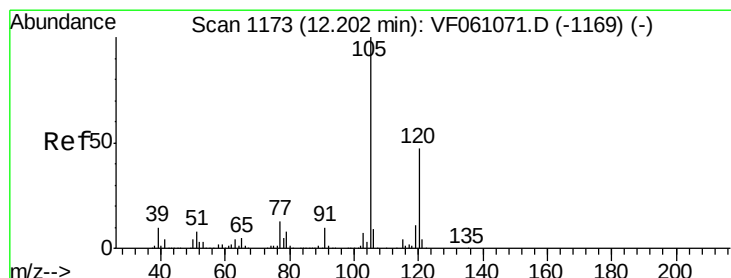
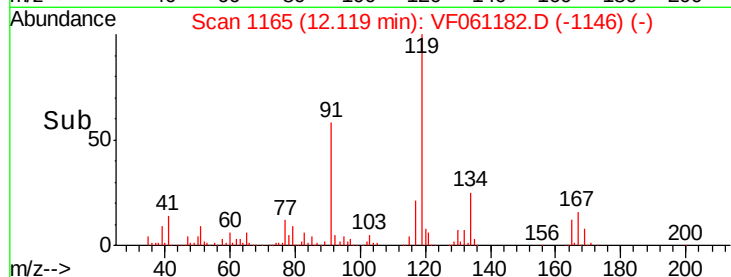
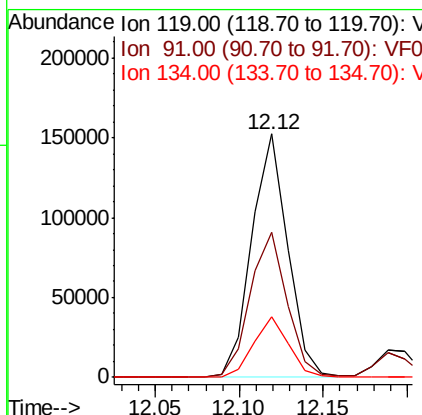
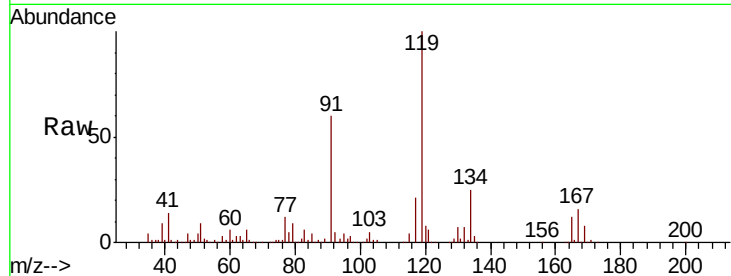
#83
 tert-Butylbenzene
 Concen: 20.771 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	226437		
91	59.7	30.5	91.5	
134	24.7	12.4	37.4	

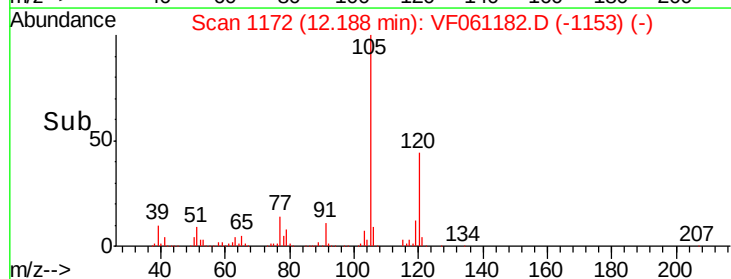
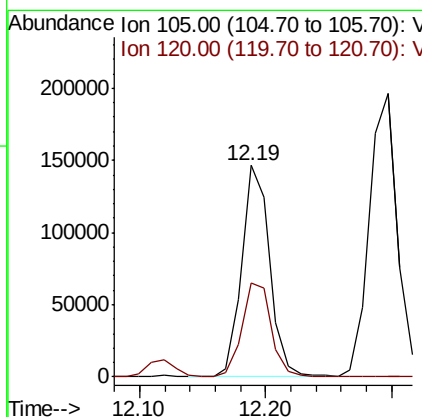
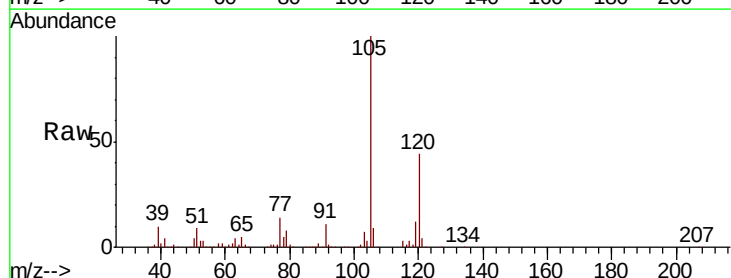
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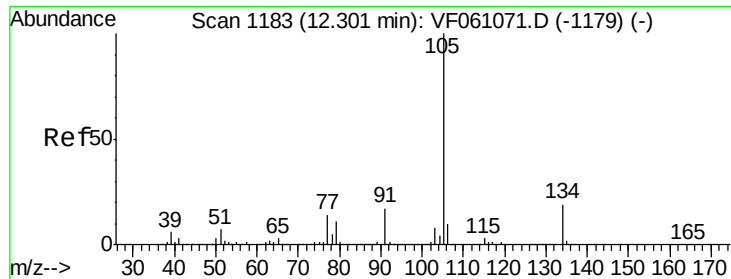
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.298 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	224999		
120	44.5	23.6	71.0	





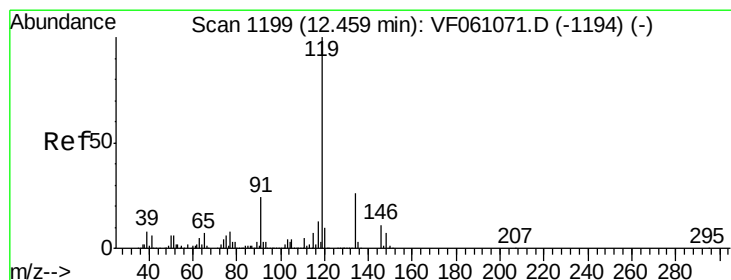
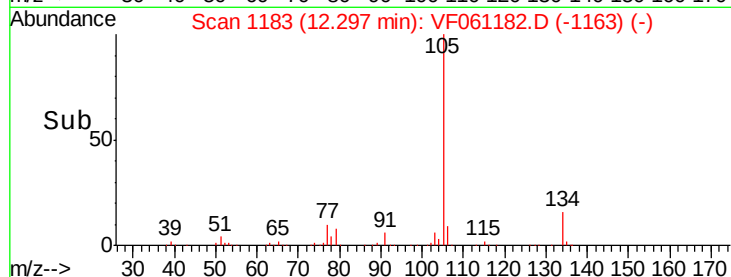
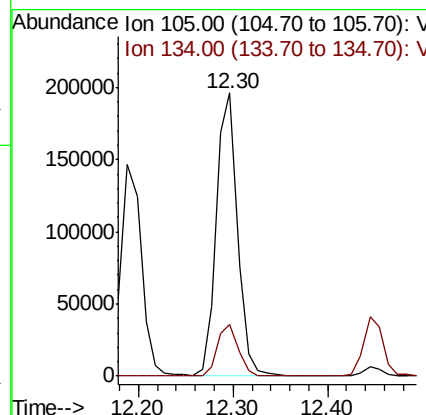
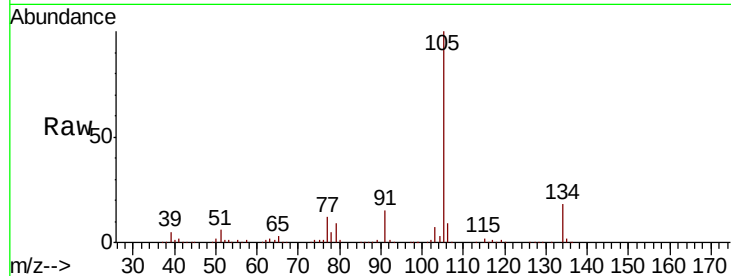
#85
 sec-Butylbenzene
 Concen: 21.441 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.4	9.4	28.2

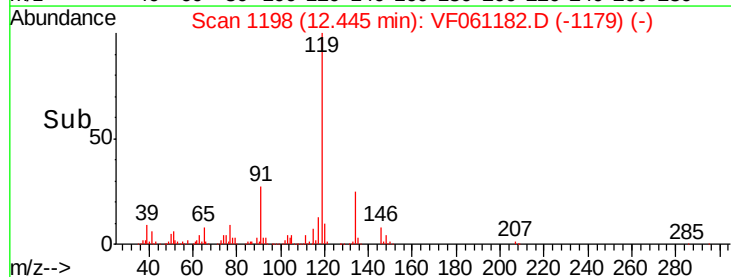
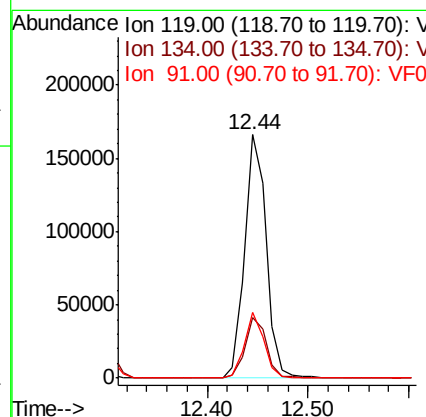
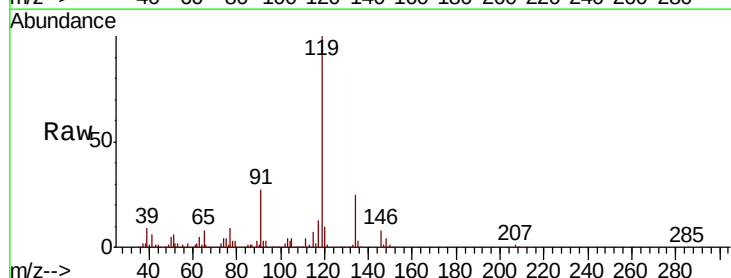
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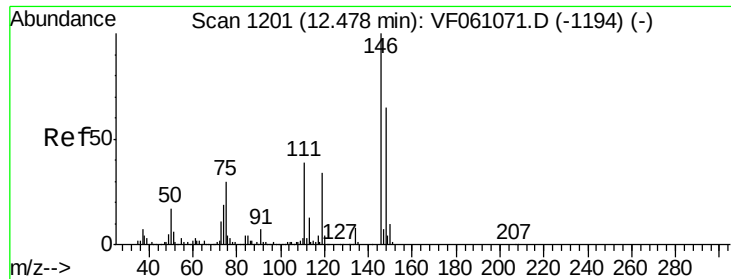
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#86
 p-Isopropyltoluene
 Concen: 20.959 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.8	38.4
91	27.1	12.2	36.6





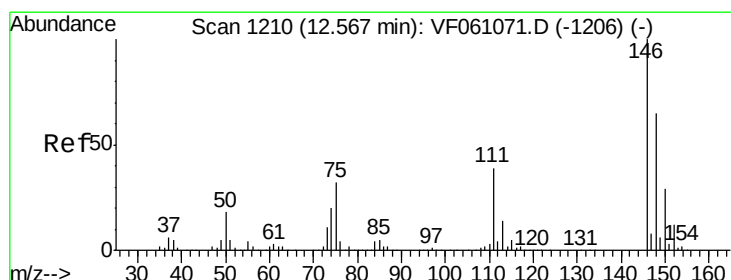
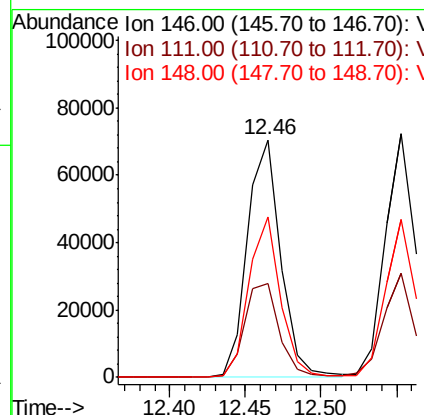
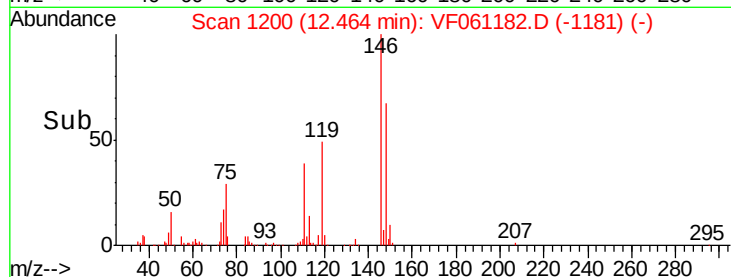
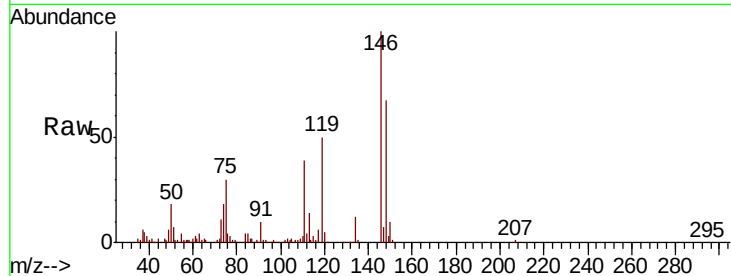
#87
 1,3-Dichlorobenzene
 Concen: 20.892 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1226SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.9
148	67.4	32.4	97.2

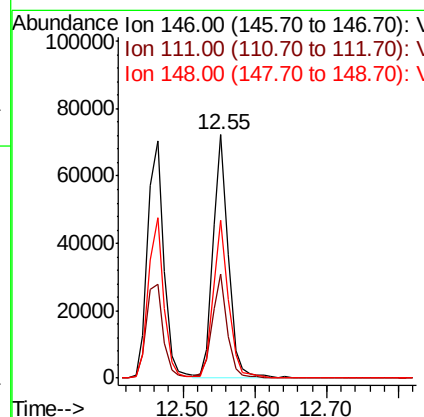
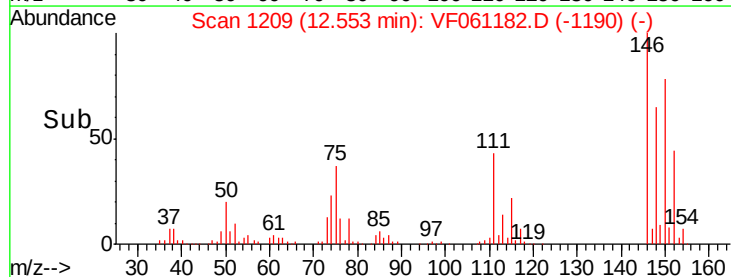
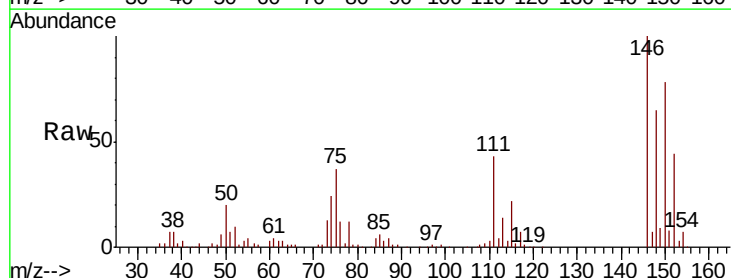
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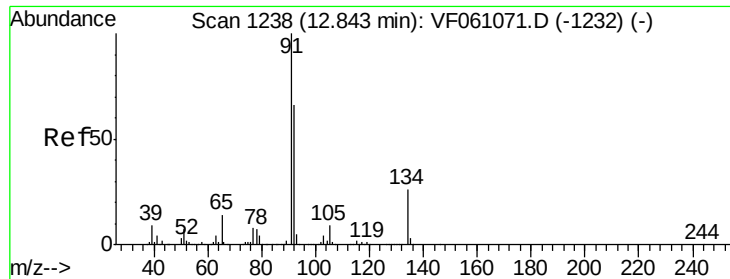
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#88
 1,4-Dichlorobenzene
 Concen: 20.991 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	19.4	58.4
148	64.7	32.4	97.0





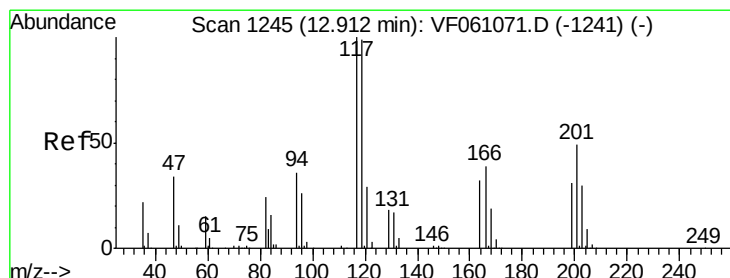
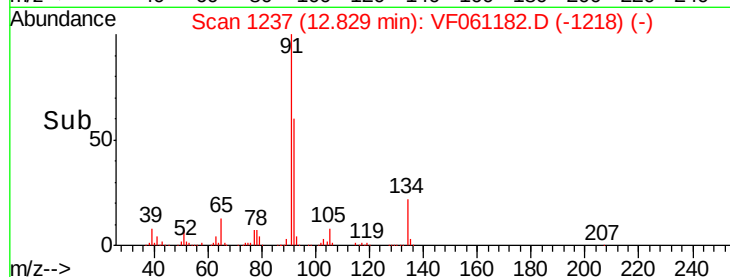
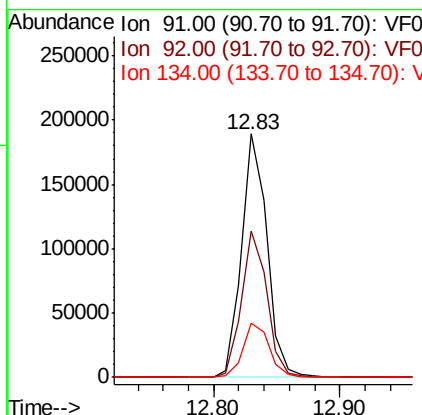
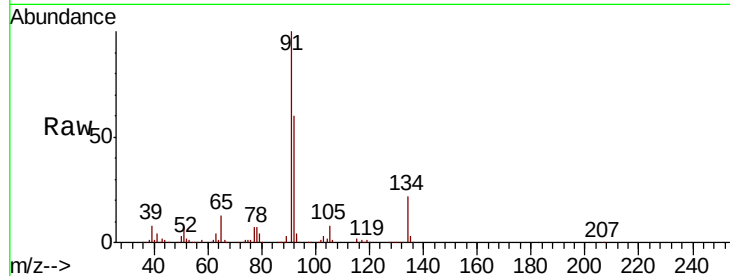
#89
n-Butylbenzene
Concen: 19.509 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.0	32.8	98.4
134	22.1	13.2	39.5

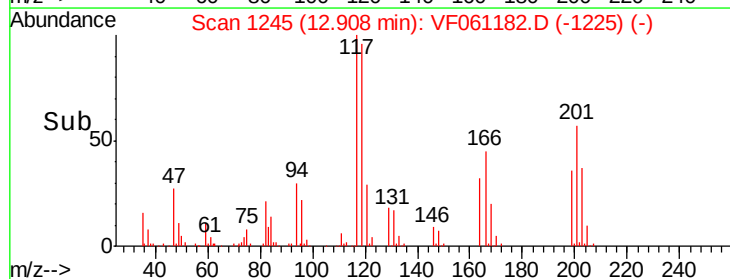
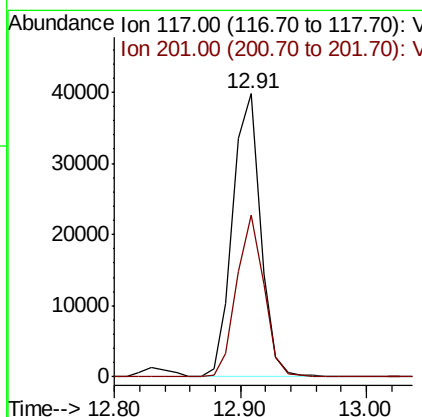
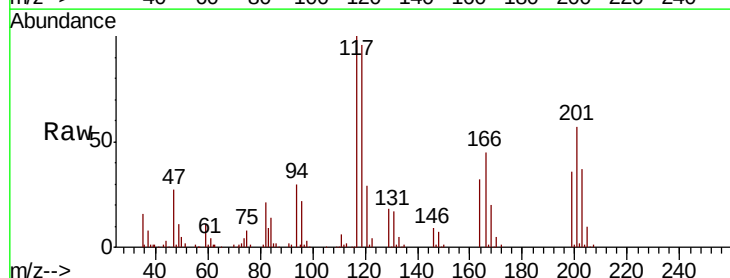
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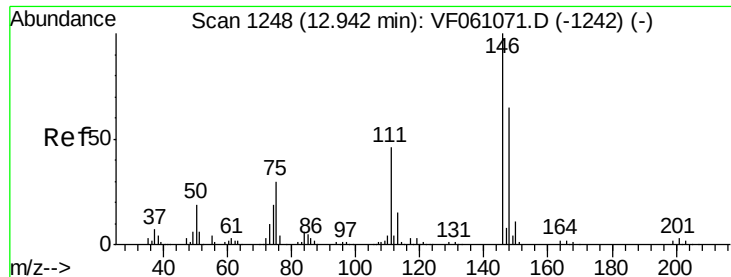
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#90
Hexachloroethane
Concen: 20.940 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	57.0	24.9	74.8





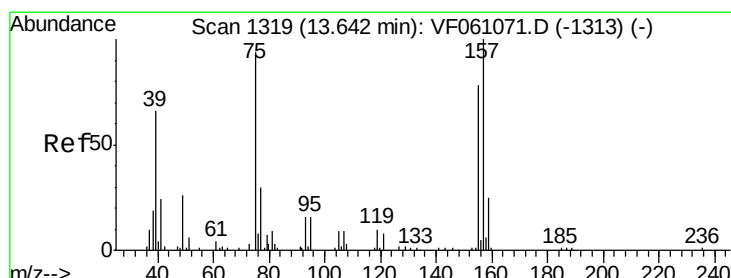
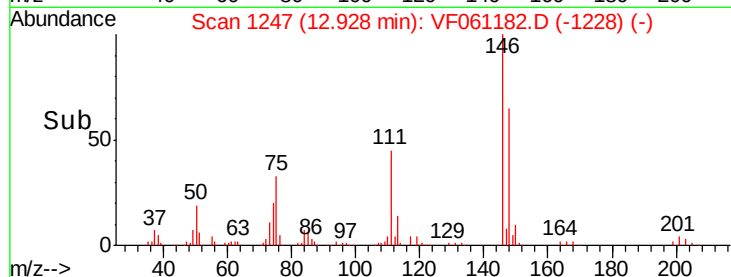
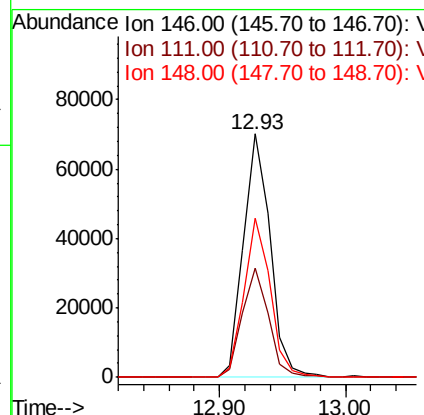
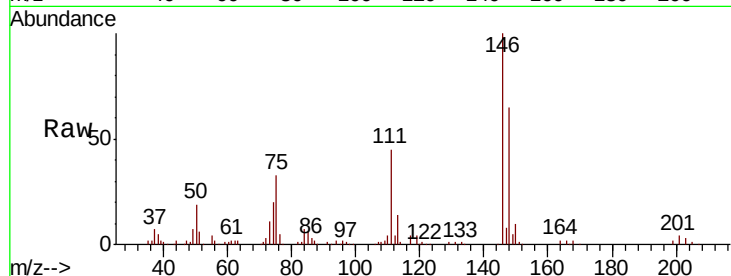
#91
 1,2-Dichlorobenzene
 Concen: 20.896 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	103463		
111	44.9	23.2	69.5	
148	65.4	32.4	97.0	

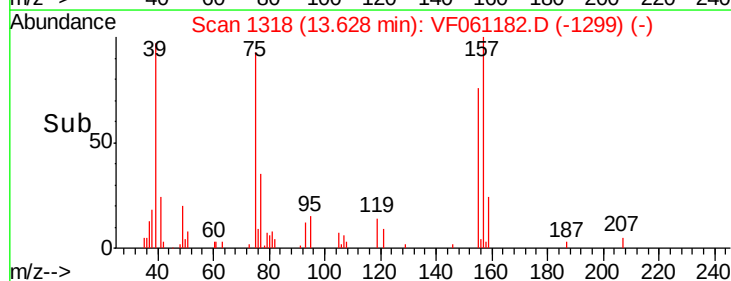
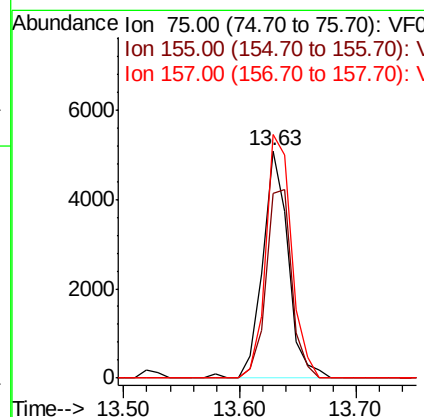
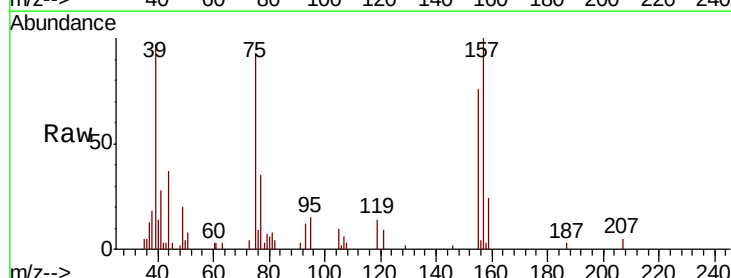
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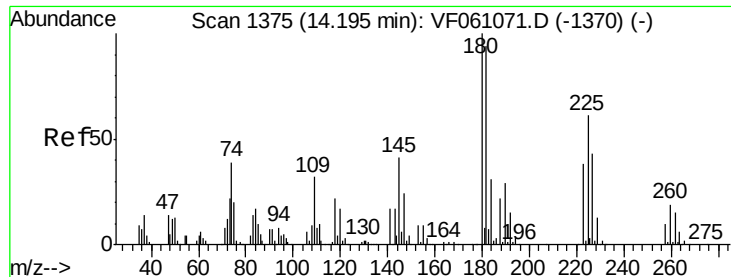
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.705 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7721		
155	81.3	41.5	124.5	
157	107.3	53.2	159.6	





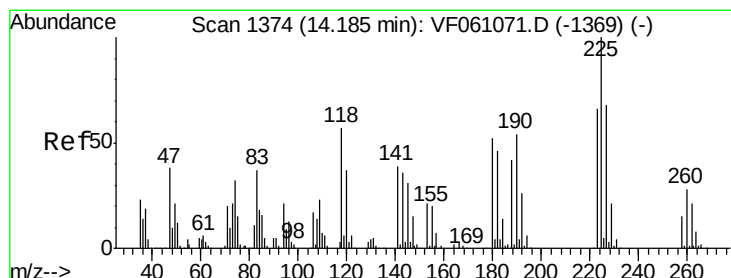
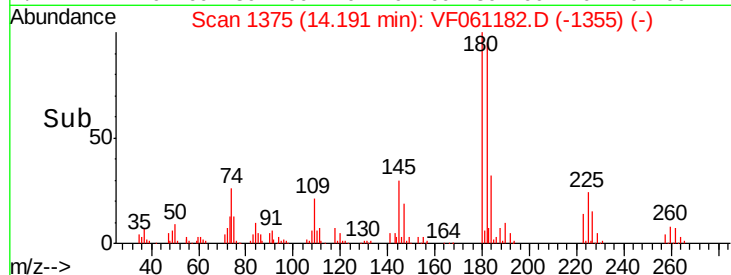
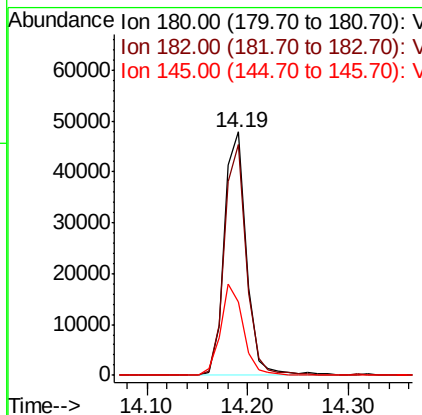
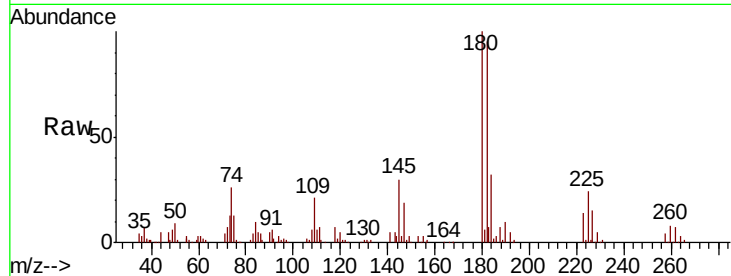
#93
 1,2,4-Trichlorobenzene
 Concen: 20.831 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1226SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.9	140.6
145	30.3	20.5	61.6

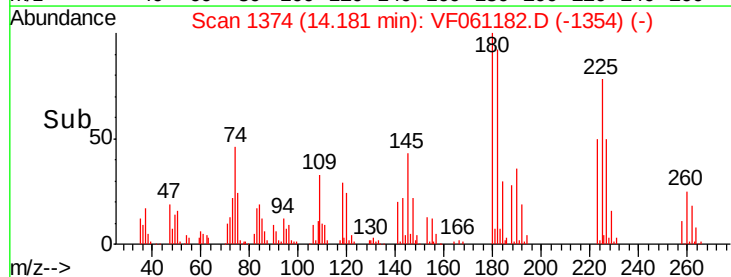
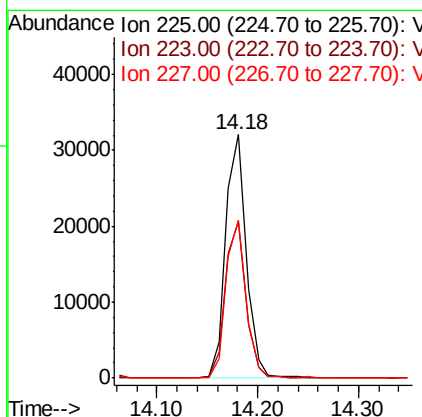
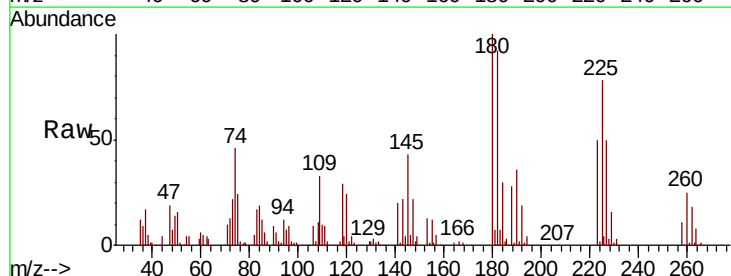
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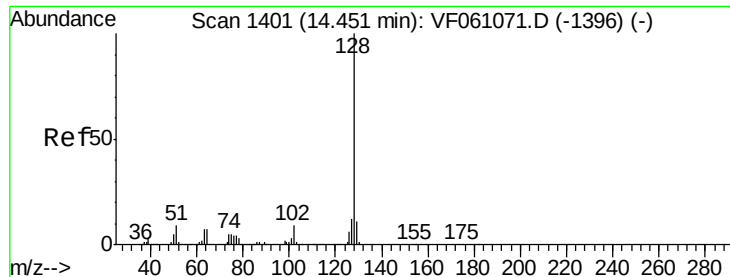
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#94
 Hexachlorobutadiene
 Concen: 20.520 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061182.D
 Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	32.8	98.3
227	64.7	34.0	101.8





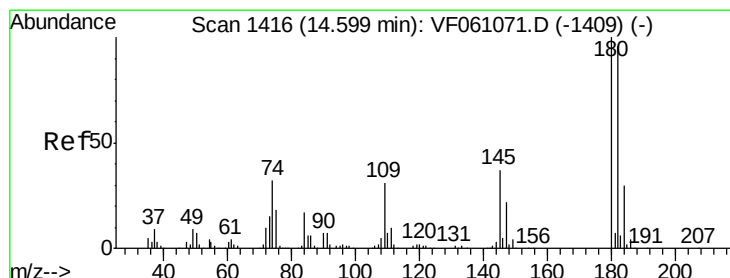
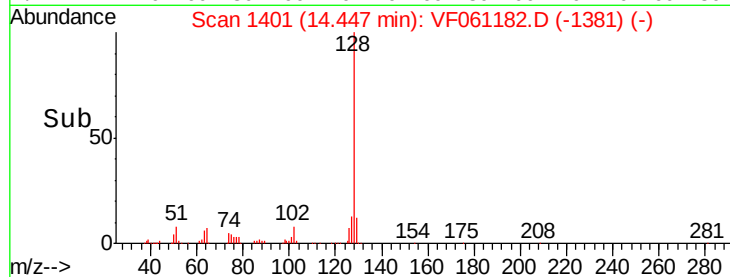
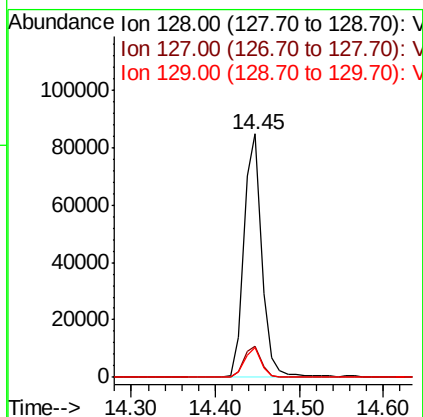
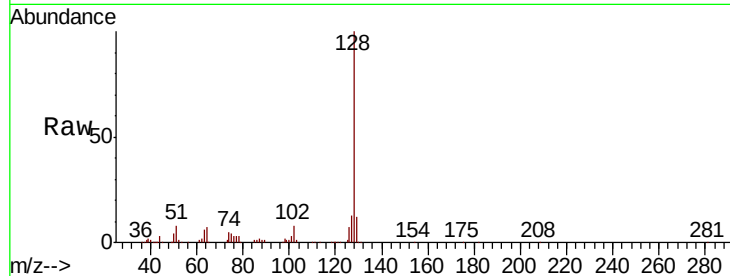
#95
Naphthalene
Concen: 19.649 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VF1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	125988		
127	12.7		9.4	14.2
129	12.3		8.8	13.2

Manual Integrations
APPROVED

apatel
12/27/2018 4:18:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.659 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF061182.D
Acq: 26 Dec 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	63814		
182	97.8		47.9	143.8
145	36.6		18.6	55.8

