

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122118\
 Data File : VF061120.D
 Acq On : 21 Dec 2018 12:24
 Operator : VA/AP
 Sample : VF1221SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:51:09 AM

Quant Time: Dec 24 22:18:59 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	4.90	168	226998	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.63	114	381097	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.80	117	336823	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.57	152	161252	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	131149	44.92	ug/l	0.04
Spiked Amount 50.000			Recovery	=	89.84%	
35) Dibromofluoromethane	4.14	113	148500	48.64	ug/l	0.03
Spiked Amount 50.000			Recovery	=	97.28%	
50) Toluene-d8	7.58	98	432754	50.02	ug/l	0.03
Spiked Amount 50.000			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	11.44	95	188887	47.36	ug/l	0.03
Spiked Amount 50.000			Recovery	=	94.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	84387	16.723	ug/l	97
3) Chloromethane	1.13	50	52989	18.332	ug/l #	87
4) Vinyl Chloride	1.14	62	50771	18.935	ug/l #	86
5) Bromomethane	1.36	94	32813	17.643	ug/l	98
6) Chloroethane	1.42	64	23342	18.893	ug/l	98
7) Trichlorofluoromethane	1.49	101	87288m	17.049	ug/l	
8) Diethyl Ether	1.64	74	13677	19.508	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.87	101	56846	21.415	ug/l	92
10) Methyl Iodide	1.93	142	76347m	18.246	ug/l	
11) Tert butyl alcohol	2.61	59	13164	111.732	ug/l #	89
12) 1,1-Dichloroethene	1.81	96	35325	17.654	ug/l	88
13) Acrolein	2.02	56	11690m	137.313	ug/l	
14) Allyl chloride	2.11	41	28643	13.755	ug/l	86
15) Acrylonitrile	2.97	53	27182	99.773	ug/l	96
16) Acetone	2.26	43	54984	94.206	ug/l	97
17) Carbon Disulfide	1.85	76	109176m	18.054	ug/l	
18) Methyl Acetate	2.37	43	23902m	19.794	ug/l	
19) Methyl tert-butyl Ether	2.45	73	84037	18.921	ug/l	100
20) Methylene Chloride	2.29	84	43581m	20.738	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	40466m	18.908	ug/l	
22) Diisopropyl ether	2.83	45	139589	20.124	ug/l	98
23) Vinyl Acetate	3.21	43	359999	112.503	ug/l	99
24) 1,1-Dichloroethane	2.90	63	73869	17.974	ug/l	100
25) 2-Butanone	4.37	43	101870	107.619	ug/l	93
26) 2,2-Dichloropropane	3.62	77	44704	18.954	ug/l	96
27) cis-1,2-Dichloroethene	3.50	96	63529	19.390	ug/l	97
28) Bromochloromethane	3.75	49	39899	19.134	ug/l	99
29) Tetrahydrofuran	4.12	42	42335	109.884	ug/l	99
30) Chloroform	3.89	83	116493	18.904	ug/l	99
31) Cyclohexane	3.72	56	88778m	20.818	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	87759m	23.760	ug/l	
36) 1,1-Dichloropropene	4.31	75	90104	19.587	ug/l	99
37) Ethyl Acetate	4.15	43	39562	19.936	ug/l #	71
38) Carbon Tetrachloride	4.01	117	64066	18.288	ug/l #	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	79363	19.231	ug/l	98
40) Benzene	4.66	78	217932	22.030	ug/l	95
41) Methacrylonitrile	4.78	41	22407	23.064	ug/l	96
42) 1,2-Dichloroethane	4.97	62	70489	18.757	ug/l	100
43) Isopropyl Acetate	6.99	43	50608	22.784	ug/l #	93
44) Trichloroethene	5.53	130	67599	21.674	ug/l	99
45) 1,2-Dichloropropane	6.26	63	57247	21.270	ug/l	96
46) Dibromomethane	6.11	93	32365	18.541	ug/l	90
47) Bromodichloromethane	6.42	83	89606	19.756	ug/l	98
48) Methyl methacrylate	6.74	41	31482	20.303	ug/l	99
49) 1,4-Dioxane	6.73	88	4681	416.045	ug/l #	90
51) 4-Methyl-2-Pentanone	8.29	43	176278	115.719	ug/l	100
52) Toluene	7.65	92	135479	20.689	ug/l	94
53) t-1,3-Dichloropropene	8.30	75	73583	20.111	ug/l	99
54) cis-1,3-Dichloropropene	7.34	75	96221	20.953	ug/l	99
55) 1,1,2-Trichloroethane	8.52	97	41345	21.061	ug/l	96
56) Ethyl methacrylate	8.65	69	46821	22.041	ug/l	98
57) 1,3-Dichloropropane	8.88	76	72515	20.424	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.33	63	49472	121.263	ug/l #	90
59) 2-Hexanone	9.53	43	122370	111.081	ug/l	99
60) Dibromochloromethane	8.75	129	56875	20.211	ug/l	89
61) 1,2-Dibromoethane	9.02	107	42710	20.371	ug/l	90
64) Tetrachloroethene	8.18	164	55691	21.494	ug/l	97
65) Chlorobenzene	9.83	112	147356	21.177	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.96	131	58173	20.458	ug/l	97
67) Ethyl Benzene	9.93	91	272407	21.489	ug/l	100
68) m/p-Xylenes	10.16	106	195727	43.873	ug/l	99
69) o-Xylene	10.74	106	105889	21.401	ug/l	99
70) Styrene	10.82	104	148975	21.972	ug/l	98
71) Bromoform	10.80	173	28451	21.626	ug/l #	99
73) Isopropylbenzene	11.15	105	303652	21.852	ug/l	100
74) N-amyl acetate	11.40	43	77916	25.255	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.72	83	55607	24.111	ug/l	94
76) 1,2,3-Trichloropropane	11.81	75	37775	22.009	ug/l	96
77) Bromobenzene	11.52	156	61504	20.561	ug/l	99
78) n-propylbenzene	11.62	91	367422	20.393	ug/l	98
79) 2-Chlorotoluene	11.75	91	210882	22.122	ug/l	98
80) 1,3,5-Trimethylbenzene	11.84	105	242083	21.157	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.89	75	18188m	24.661	ug/l	
82) 4-Chlorotoluene	11.92	91	207236	21.015	ug/l	98
83) tert-Butylbenzene	12.15	119	254496	21.614	ug/l	97
84) 1,2,4-Trimethylbenzene	12.23	105	244844	21.458	ug/l	100
85) sec-Butylbenzene	12.33	105	349100	22.720	ug/l	99
86) p-Isopropyltoluene	12.49	119	280405	21.985	ug/l	98
87) 1,3-Dichlorobenzene	12.50	146	125912	22.874	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	118679	21.606	ug/l	96
89) n-Butylbenzene	12.87	91	293737	20.103	ug/l	97
90) Hexachloroethane	12.94	117	65935	20.924	ug/l	92
91) 1,2-Dichlorobenzene	12.97	146	114656	21.440	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.67	75	8730	20.628	ug/l	93

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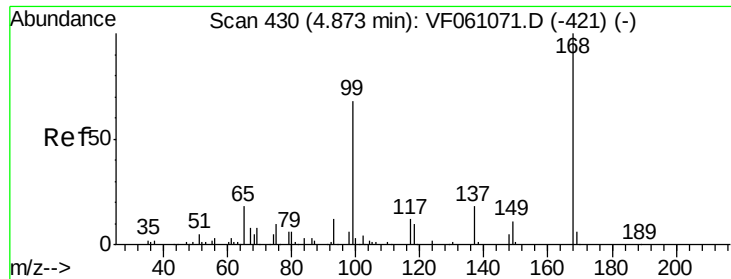
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	81985	21.617	ug/l	97
94) Hexachlorobutadiene	14.21	225	48822	20.212	ug/l	99
95) Naphthalene	14.48	128	143012	20.651	ug/l	97
96) 1,2,3-Trichlorobenzene	14.63	180	74209	21.166	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

Tgt Ion: 168 Resp: 226998

Ion Ratio Lower Upper

168 100

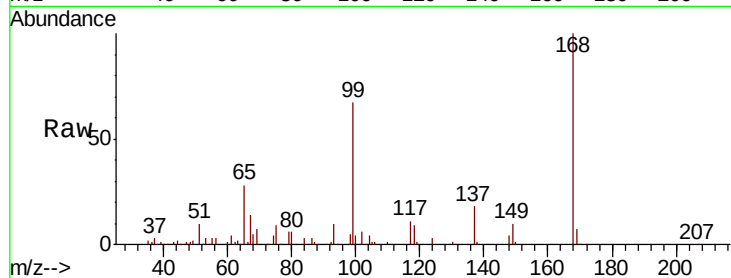
99 67.1 54.4 81.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

40000

20000

0

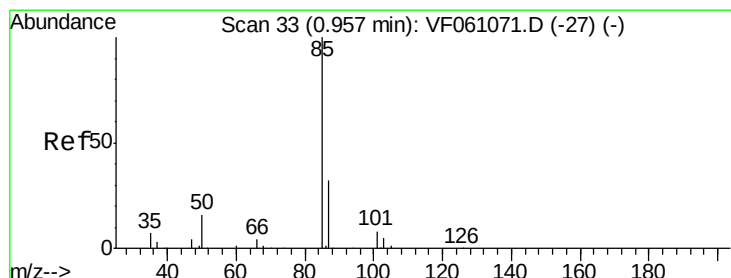
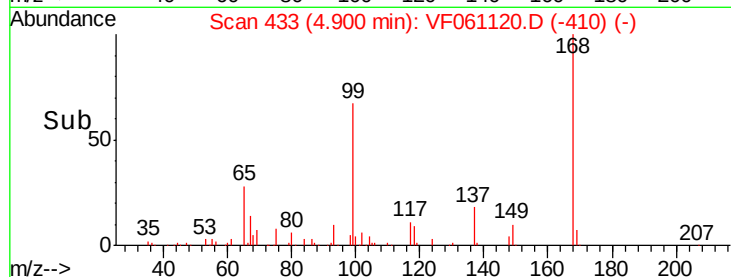
4.80

4.90

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.723 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061120.D

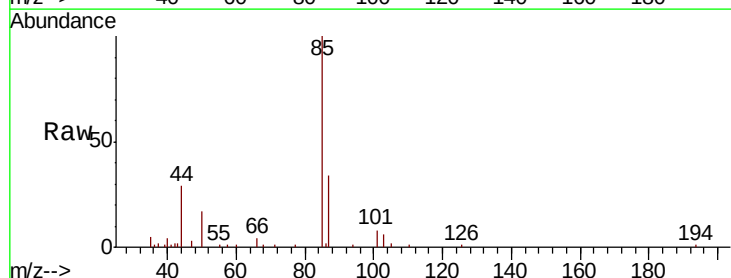
Acq: 21 Dec 2018 12:24

Tgt Ion: 85 Resp: 84387

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

15000

10000

5000

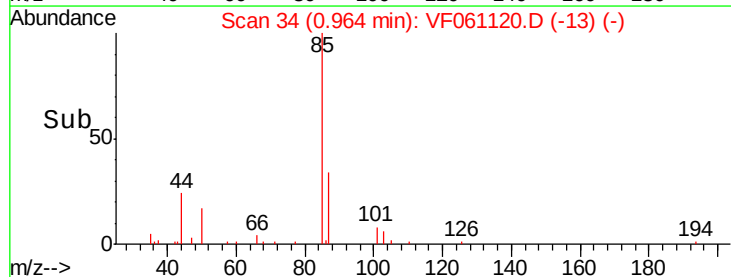
0

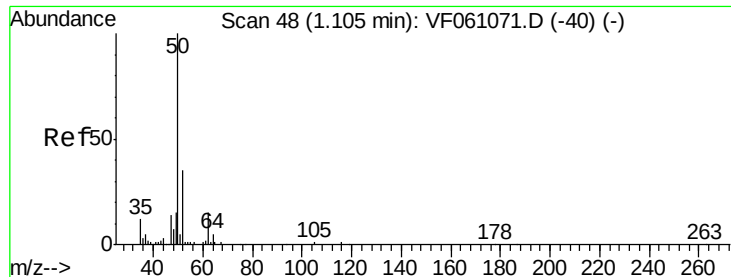
0.90

1.00

1.10

Time-->





#3

Chloromethane

Concen: 18.332 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

Tgt Ion: 50 Resp: 52989

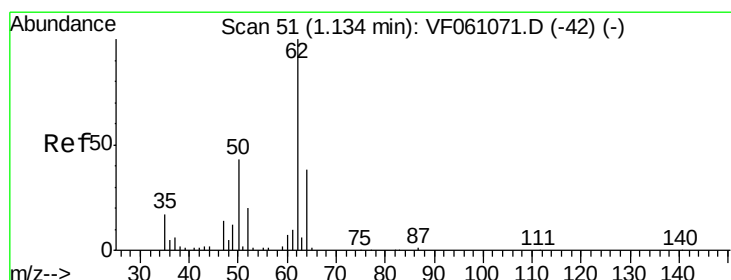
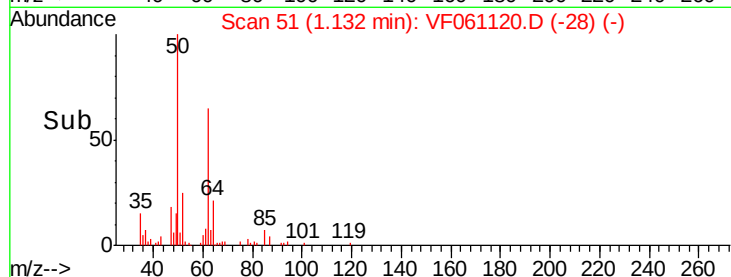
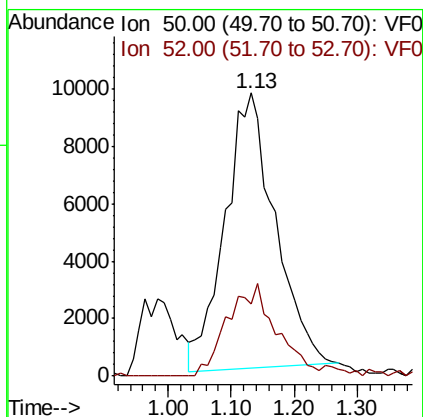
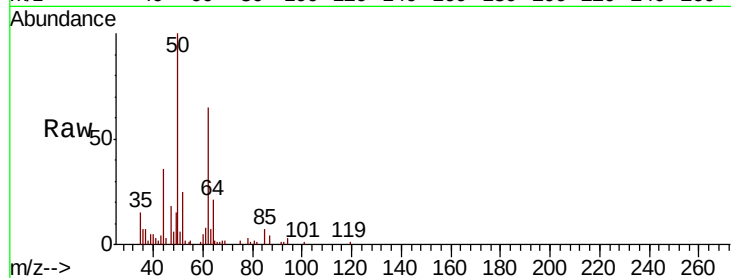
Ion Ratio Lower Upper

50 100

52 25.3 26.3 39.5#

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#4

Vinyl Chloride

Concen: 18.935 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061120.D

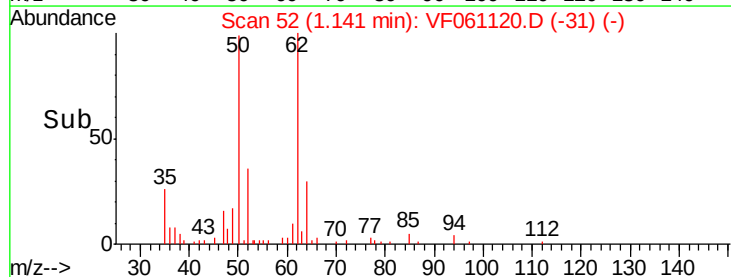
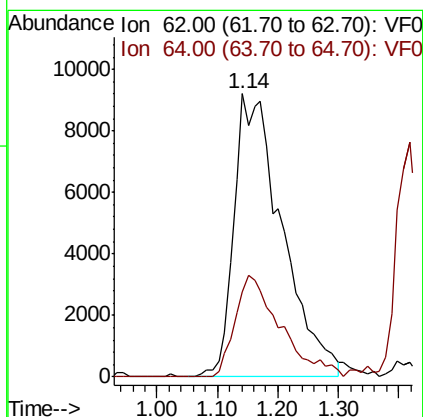
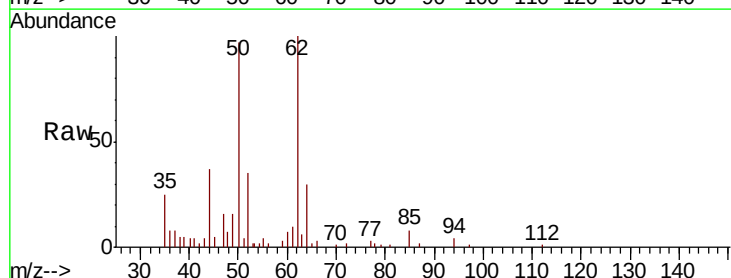
Acq: 21 Dec 2018 12:24

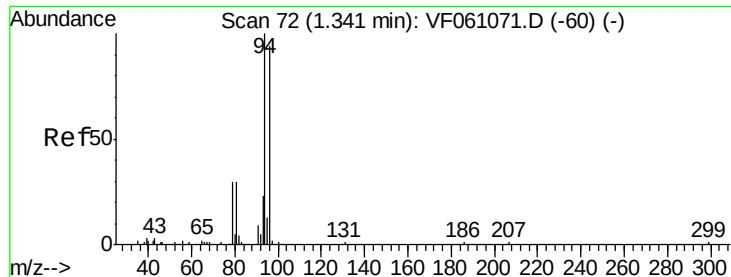
Tgt Ion: 62 Resp: 50771

Ion Ratio Lower Upper

62 100

64 29.8 30.4 45.6#





#5

Bromomethane

Concen: 17.643 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.02 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

Tgt Ion: 94 Resp: 32813

Ion Ratio Lower Upper

94 100

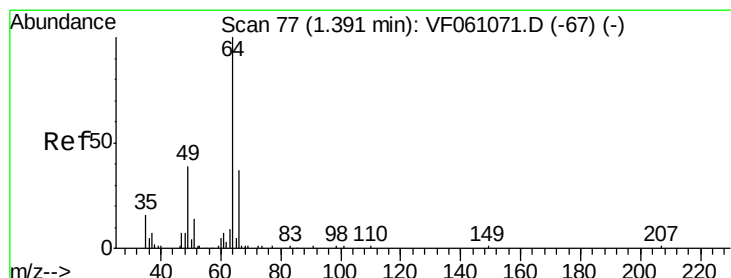
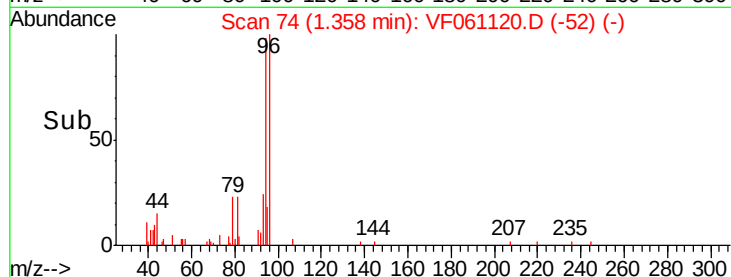
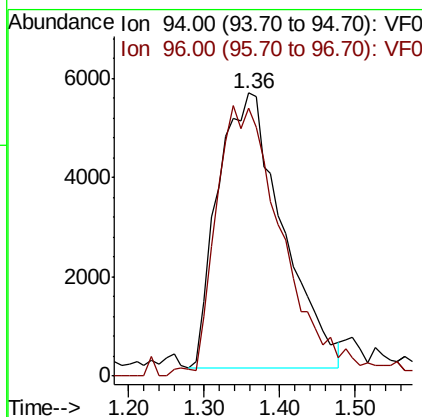
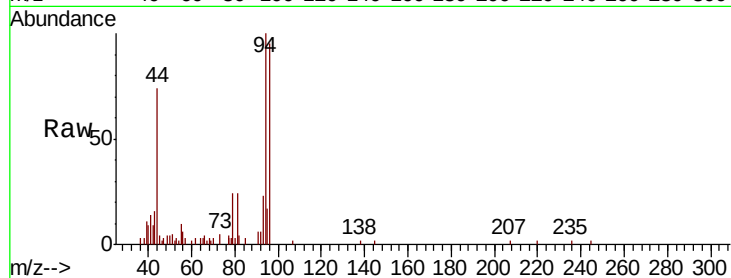
96 94.6 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 18.893 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.03 min

Lab File: VF061120.D

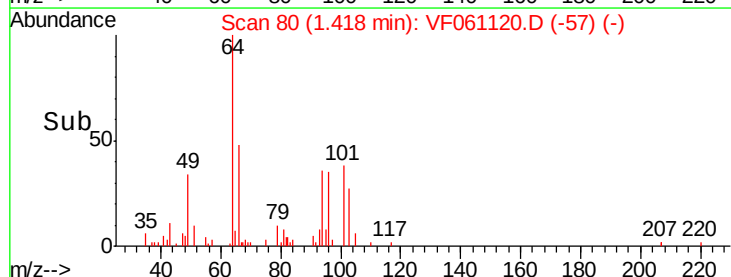
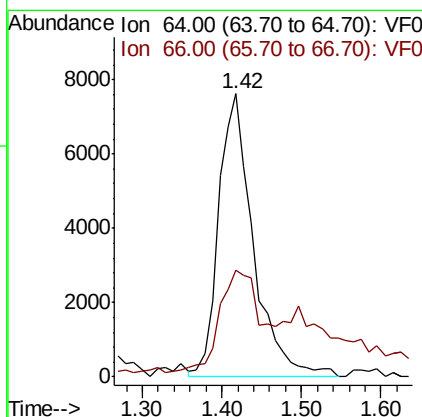
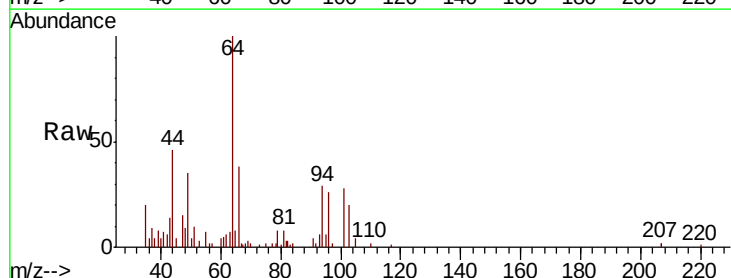
Acq: 21 Dec 2018 12:24

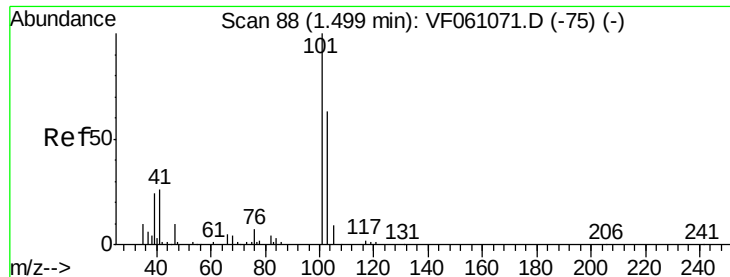
Tgt Ion: 64 Resp: 23342

Ion Ratio Lower Upper

64 100

66 37.6 30.9 46.3





#7

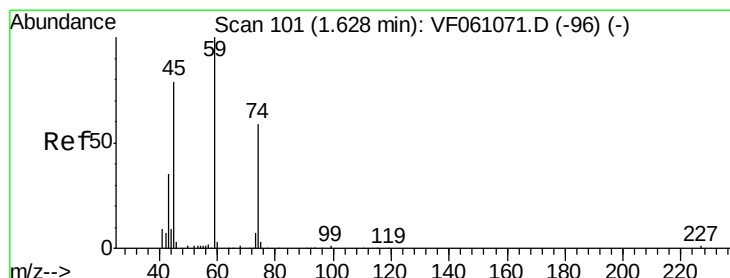
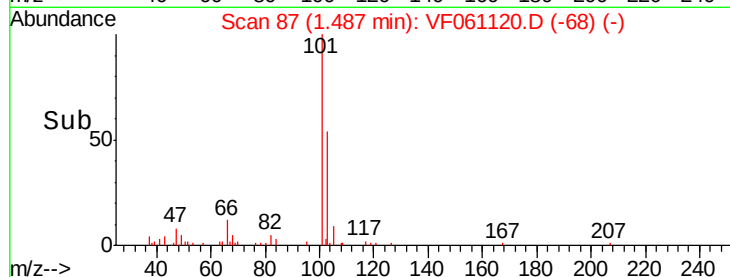
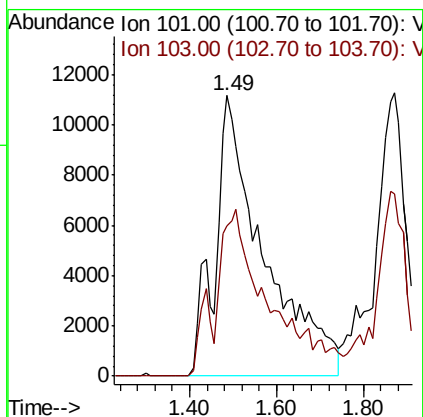
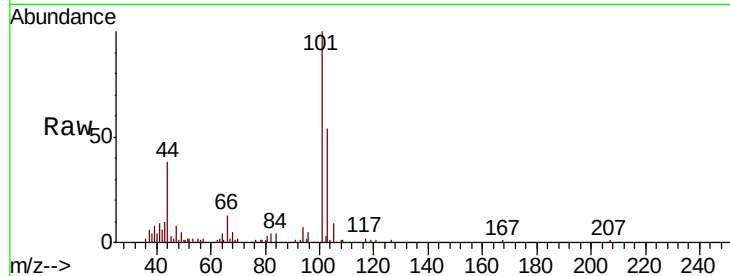
Trichlorofluoromethane
 Concen: 17.049 ug/l m
 RT: 1.49 min Scan# 87
 Delta R.T. -0.01 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Instrument :
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 VF1221SBS01

Tgt Ion:101 Resp: 87288
 Ion Ratio Lower Upper
 101 100
 103 53.6 50.7 76.1

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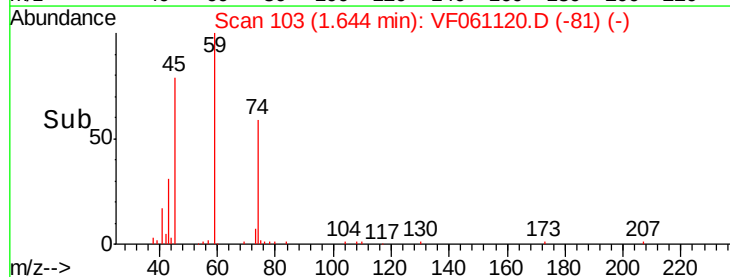
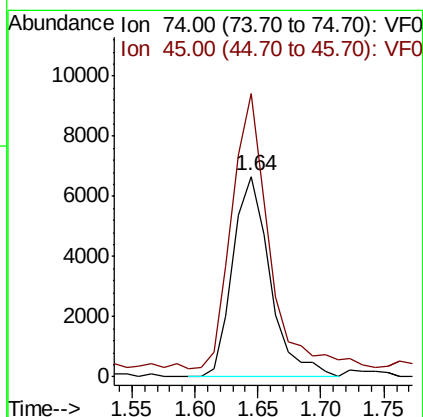
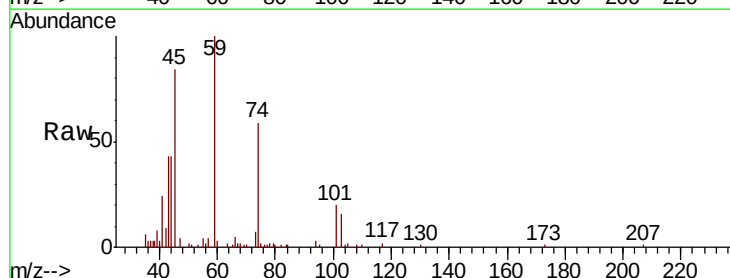
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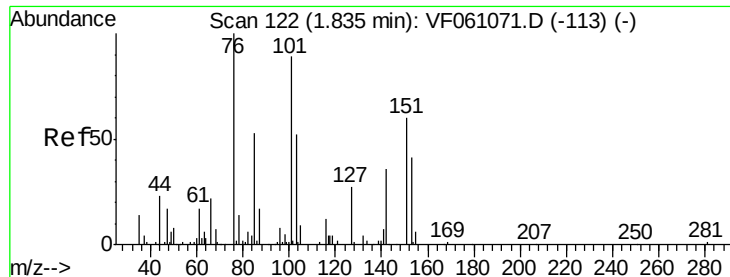


#8

Diethyl Ether
 Concen: 19.508 ug/l
 RT: 1.64 min Scan# 103
 Delta R.T. 0.02 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Tgt Ion: 74 Resp: 13677
 Ion Ratio Lower Upper
 74 100
 45 141.1 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.415 ug/l

RT: 1.87 min Scan# 126

Delta R.T. 0.04 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

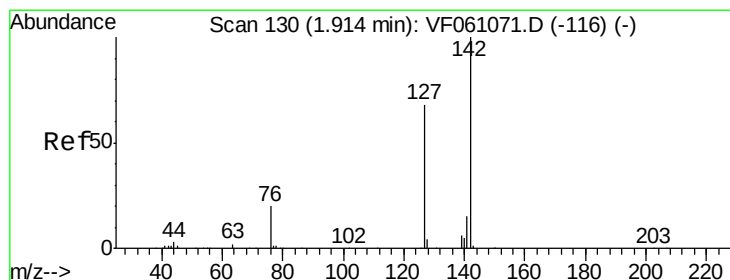
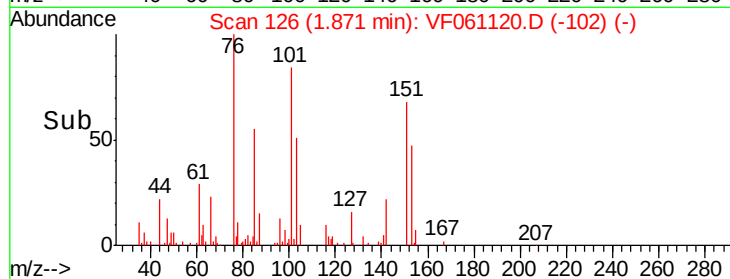
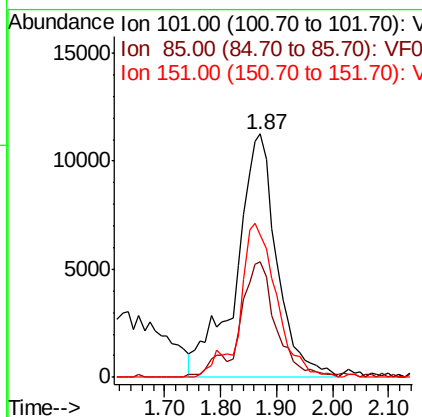
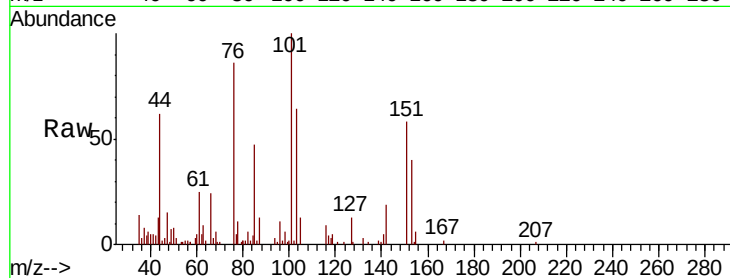
ClientSampleId :

VF1221SBS01

Tgt Ion:	101	Resp:	56846
Ion Ratio	Lower	Upper	
101	100		
85	47.4	44.5	66.7
151	58.3	49.9	74.9

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#10

Methyl Iodide

Concen: 18.246 ug/l m

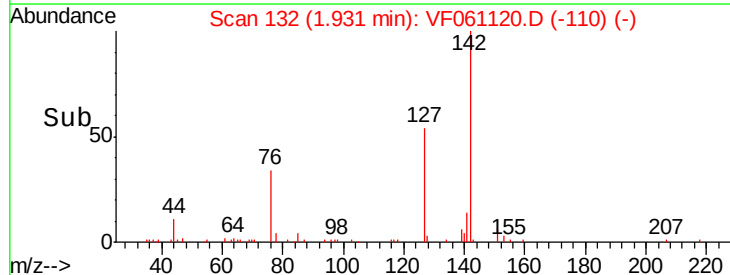
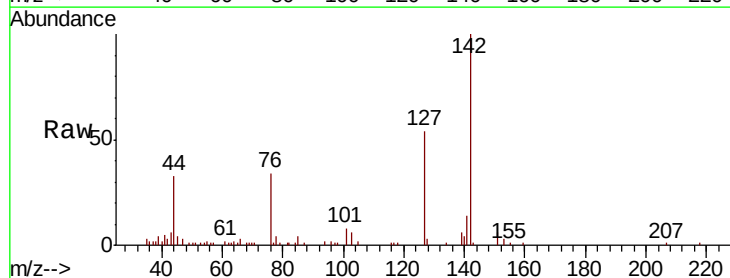
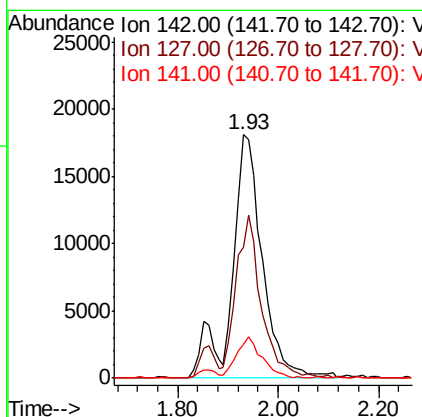
RT: 1.93 min Scan# 132

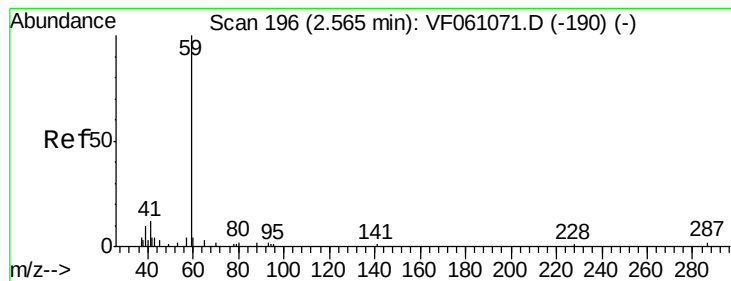
Delta R.T. 0.02 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Tgt Ion:	142	Resp:	76347
Ion Ratio	Lower	Upper	
142	100		
127	53.6	54.7	82.1#
141	13.9	12.2	18.2





#11

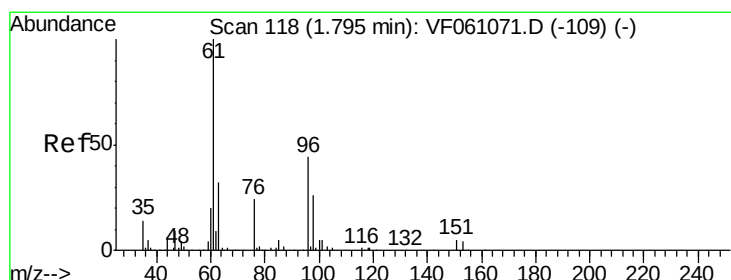
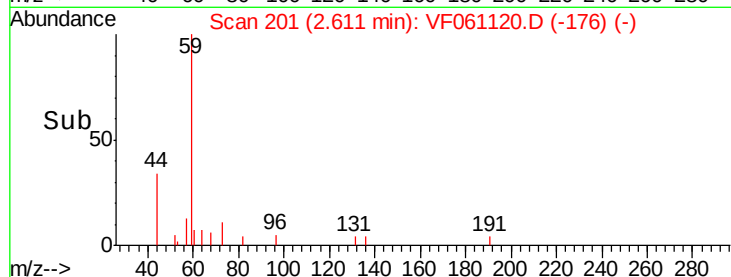
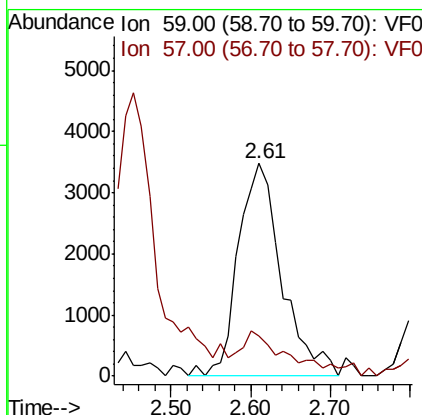
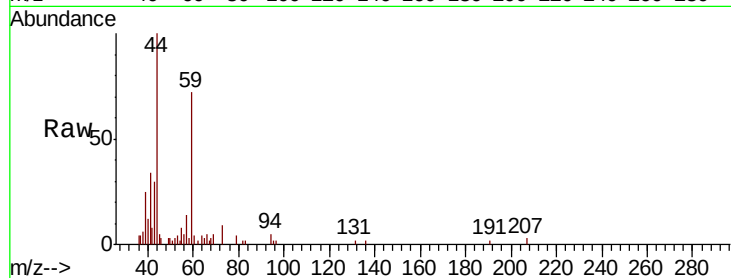
Tert butyl alcohol
 Concen: 111.732 ug/l
 RT: 2.61 min Scan# 201
 Delta R.T. 0.05 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	19.1	11.5	17.3#

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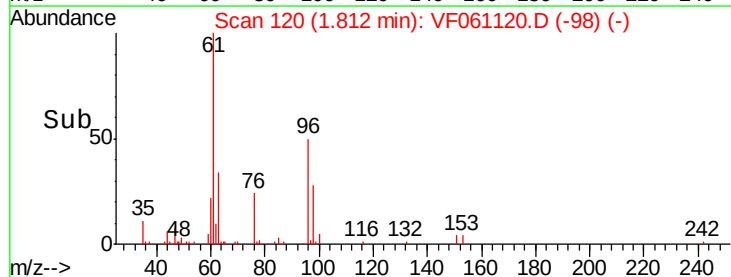
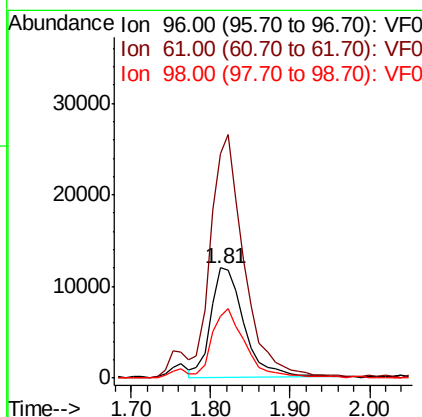
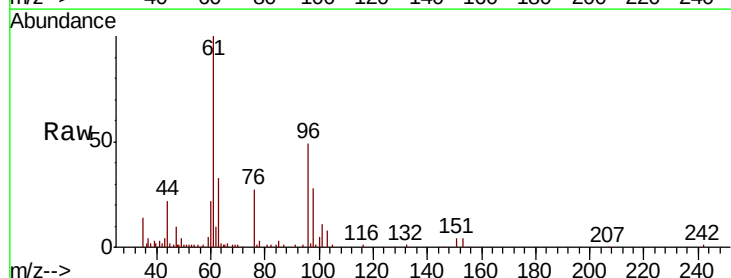
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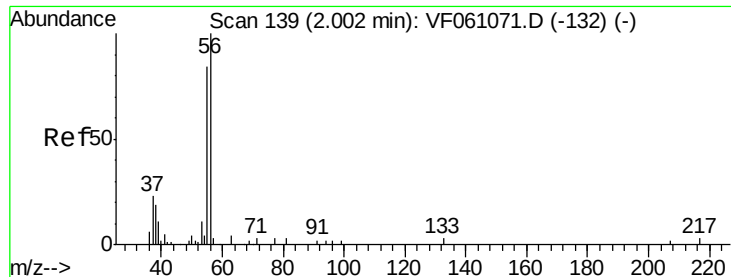


#12

1,1-Dichloroethene
 Concen: 17.654 ug/l
 RT: 1.81 min Scan# 120
 Delta R.T. 0.02 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	203.5	182.0	273.0
98	56.3	46.5	69.7





#13

Acrolein

Concen: 137.313 ug/l m

RT: 2.02 min Scan# 141

Delta R.T. 0.02 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

Tgt Ion: 56 Resp: 11690

Ion Ratio Lower Upper

56 100

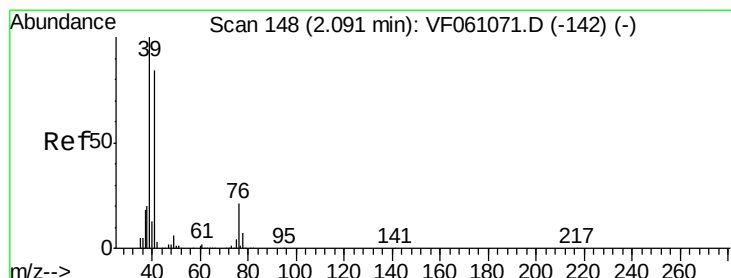
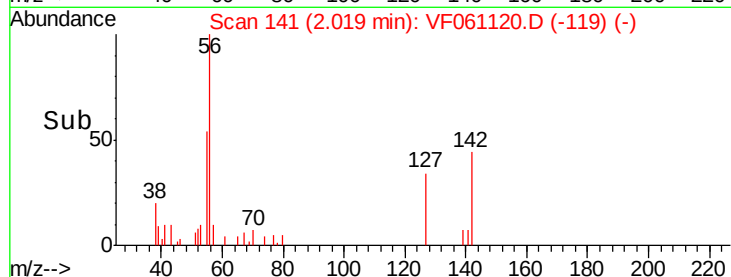
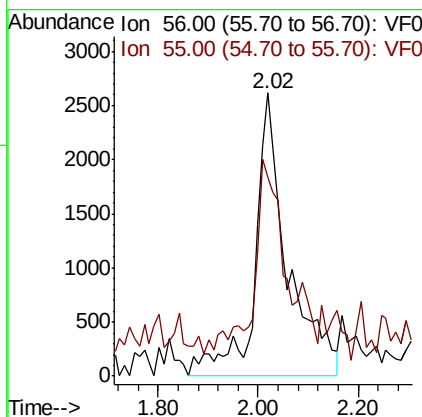
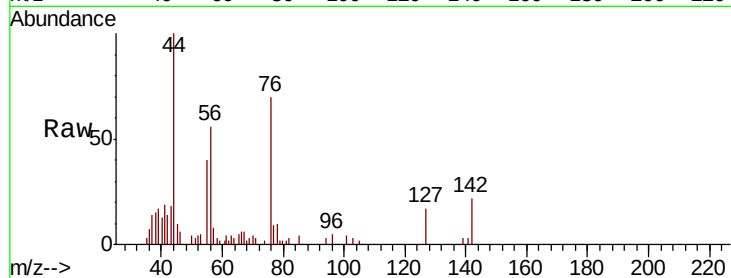
55 70.3 70.2 105.2

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#14

Allyl chloride

Concen: 13.755 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.02 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

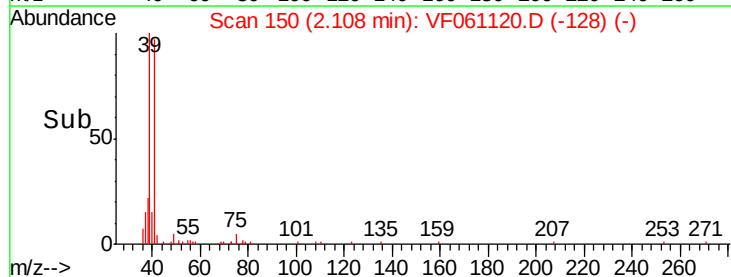
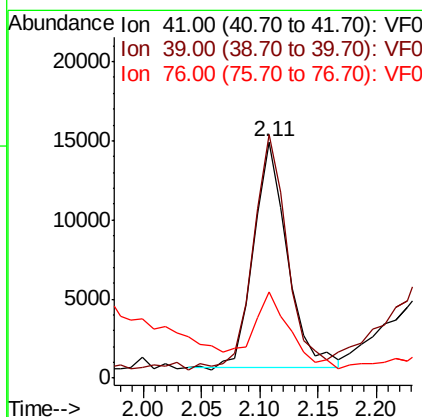
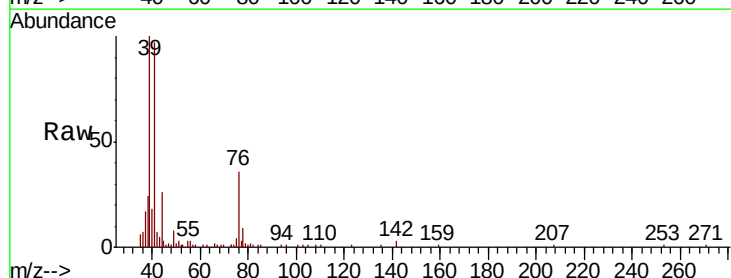
Tgt Ion: 41 Resp: 28643

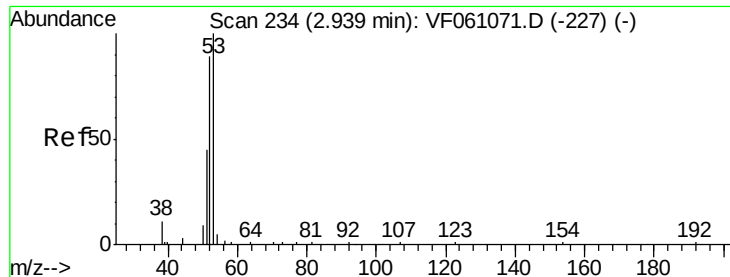
Ion Ratio Lower Upper

41 100

39 103.0 96.4 144.6

76 36.7 25.4 38.0





#15

Acrylonitrile

Concen: 99.773 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

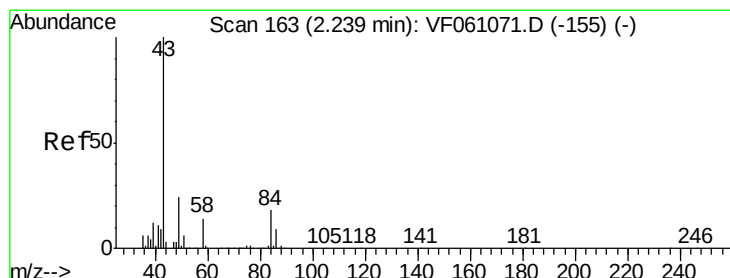
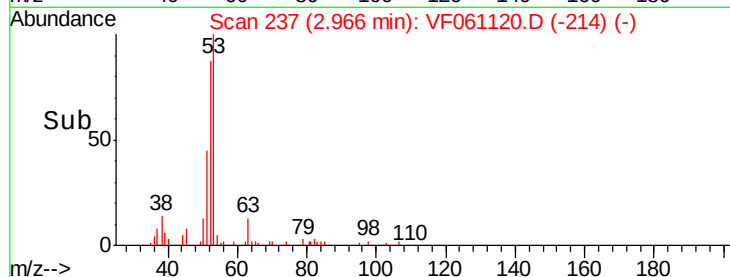
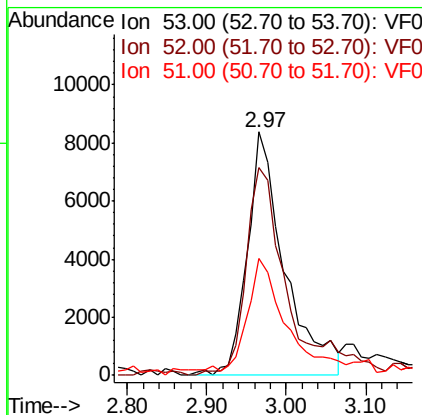
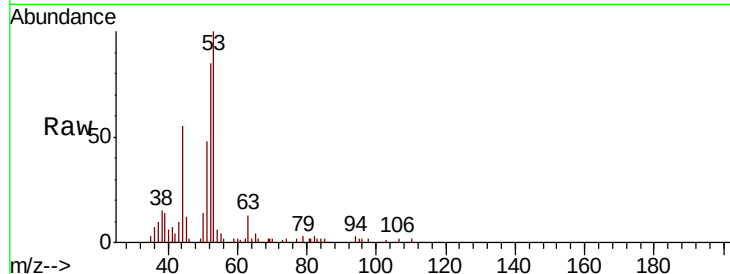
ClientSampleId :

VF1221SBS01

Tgt Ion:	53	Resp:	27182
Ion	Ratio	Lower	Upper
53	100		
52	85.4	71.3	106.9
51	48.2	36.8	55.2

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#16

Acetone

Concen: 94.206 ug/l

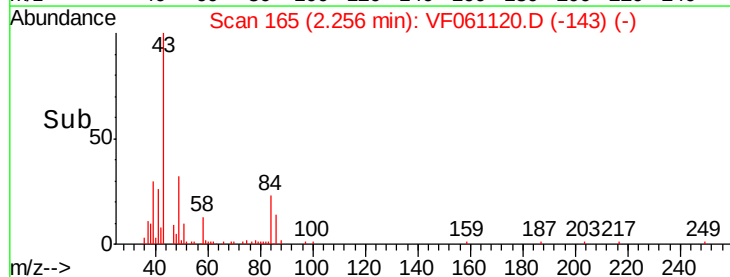
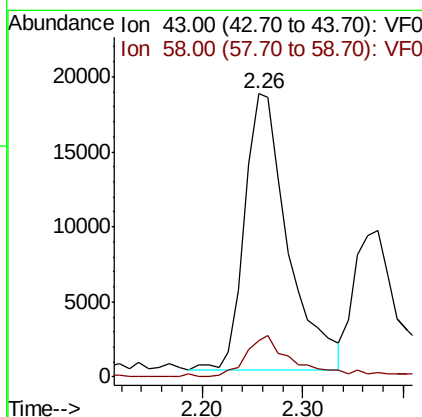
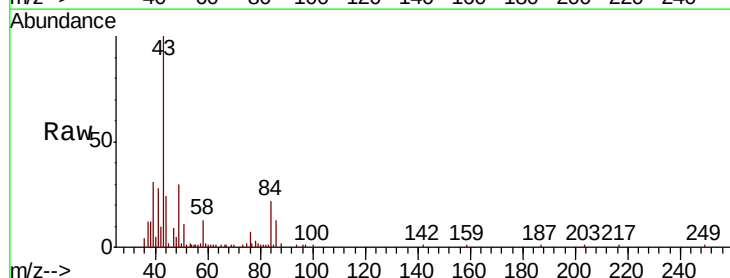
RT: 2.26 min Scan# 165

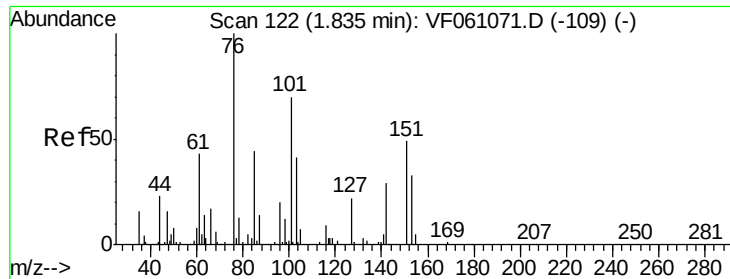
Delta R.T. 0.02 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Tgt Ion:	43	Resp:	54984
Ion	Ratio	Lower	Upper
43	100		
58	12.8	11.1	16.7





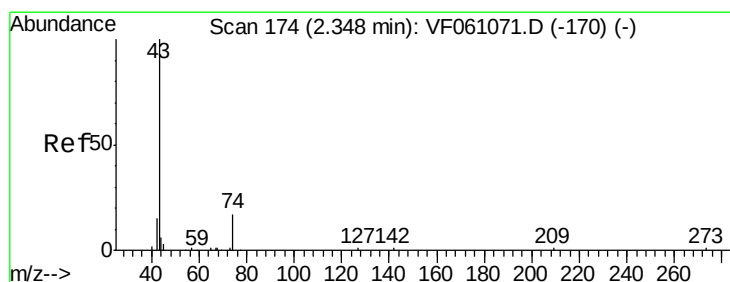
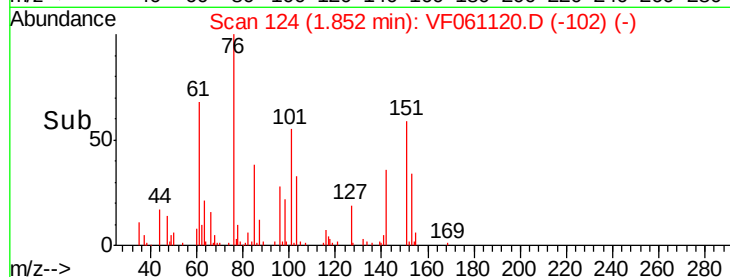
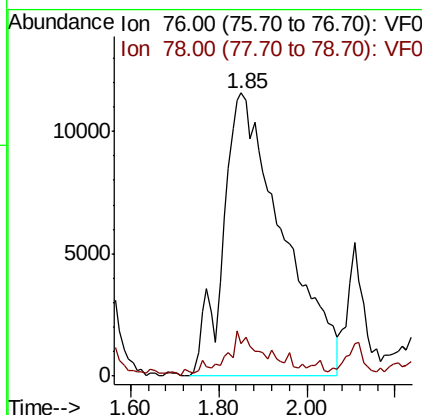
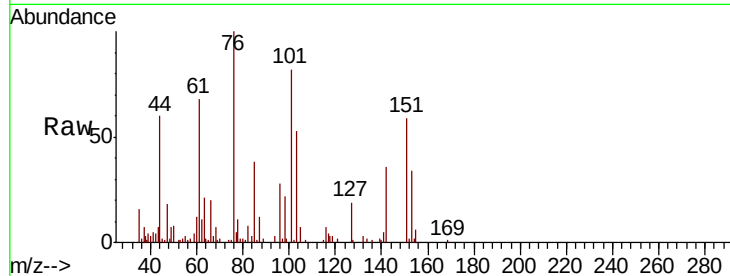
#17
Carbon Disulfide
Concen: 18.054 ug/l m
RT: 1.85 min Scan# 124
Delta R.T. 0.02 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion: 76 Resp: 109176
Ion Ratio Lower Upper
76 100
78 11.3 10.2 15.4

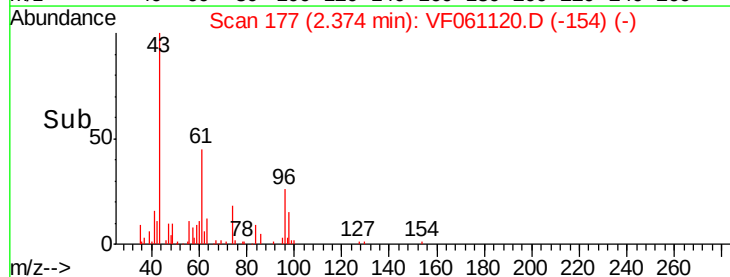
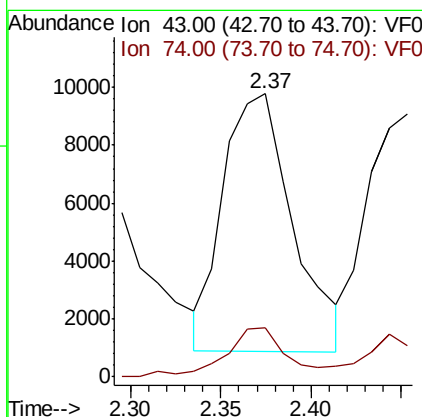
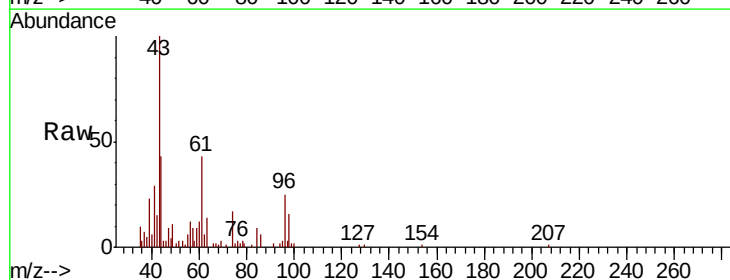
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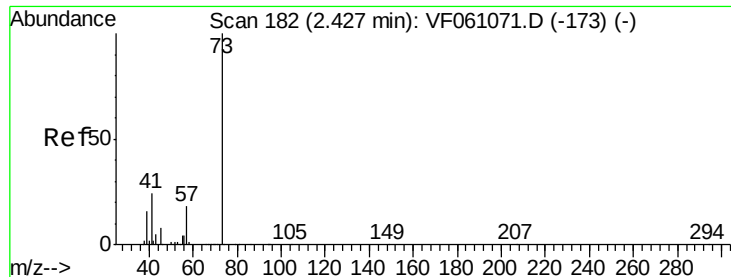
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#18
Methyl Acetate
Concen: 19.794 ug/l m
RT: 2.37 min Scan# 177
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion: 43 Resp: 23902
Ion Ratio Lower Upper
43 100
74 17.2 11.0 16.6#





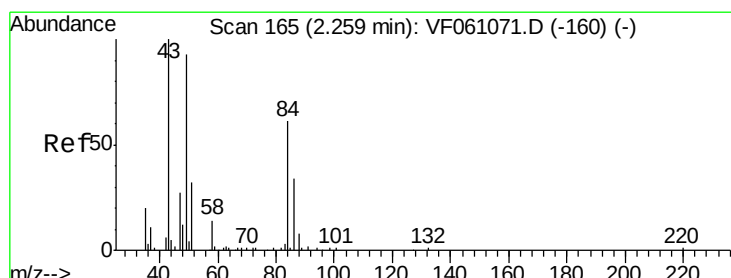
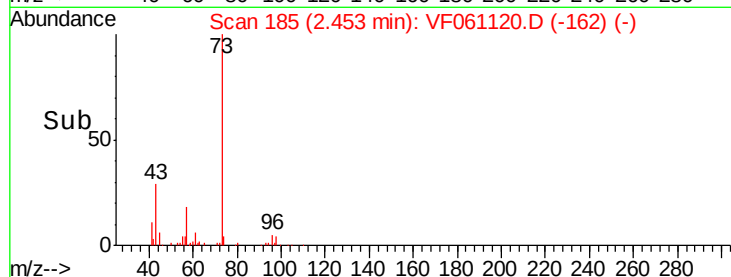
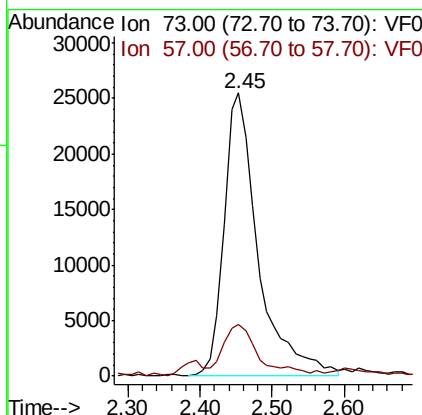
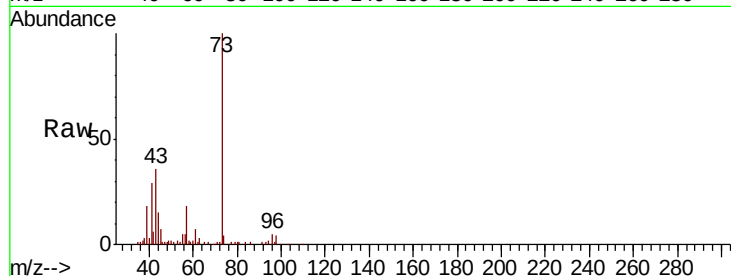
#19
Methyl tert-butyl Ether
Concen: 18.921 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.2	14.5	21.7

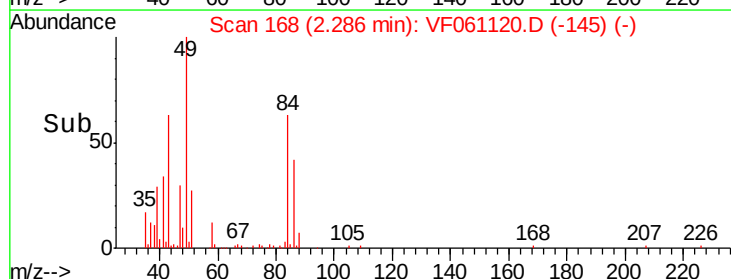
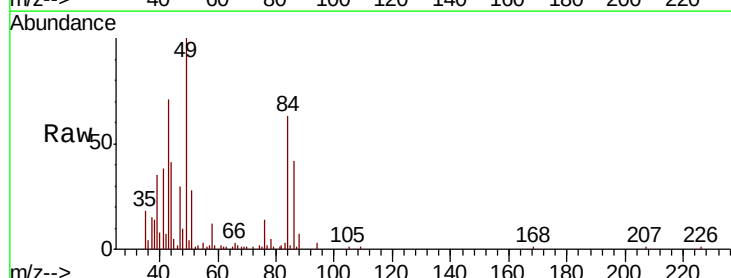
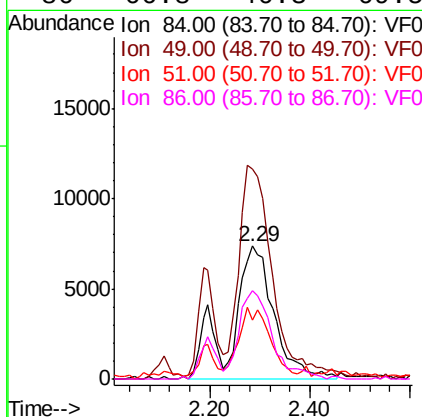
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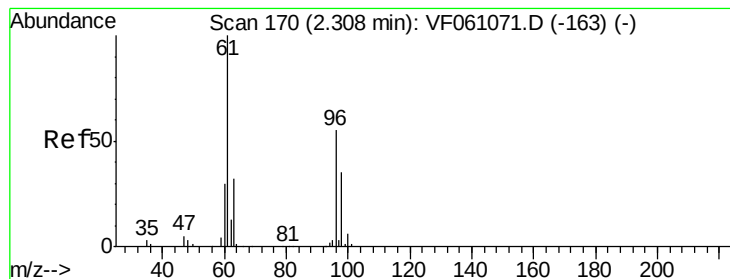
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#20
Methylene Chloride
Concen: 20.738 ug/l m
RT: 2.29 min Scan# 168
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.5	129.4	194.2
51	44.2	44.0	66.0
86	66.8	46.3	69.5





#21

trans-1,2-Dichloroethene

Concen: 18.908 ug/l m

RT: 2.33 min Scan# 172

Delta R.T. 0.02 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

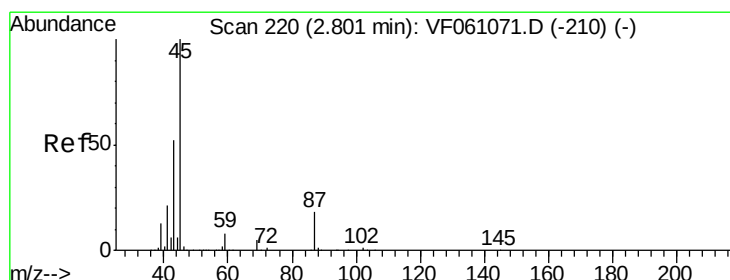
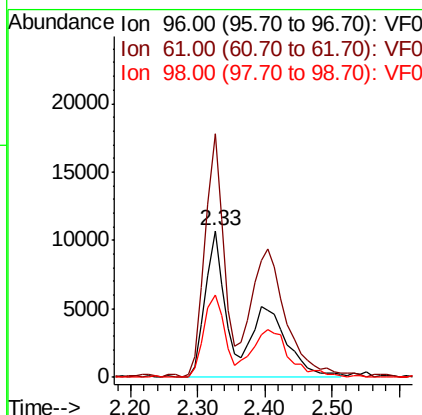
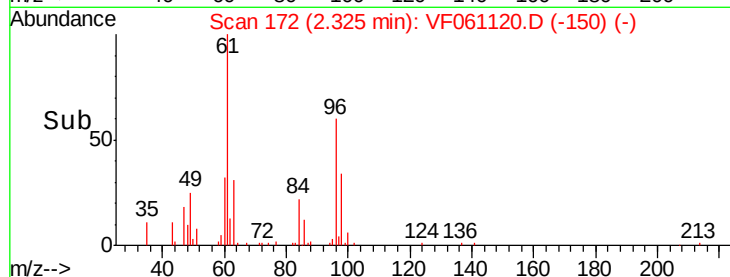
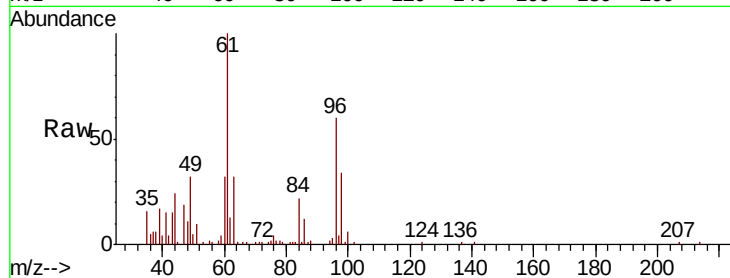
ClientSampleId :

VF1221SBS01

Tgt Ion:	96	Resp:	40466
Ion	Ratio	Lower	Upper
96	100		
61	166.2	146.0	219.0
98	56.2	51.6	77.4

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#22

Diisopropyl ether

Concen: 20.124 ug/l

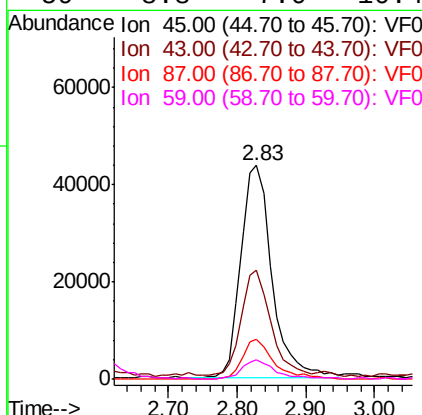
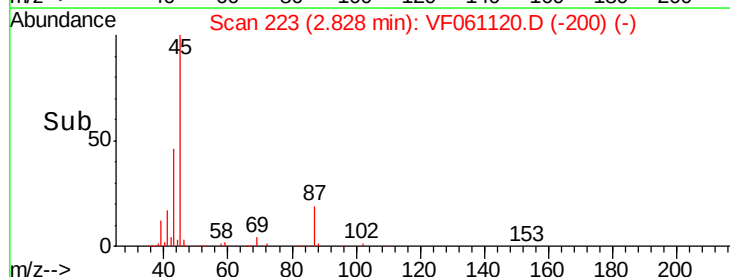
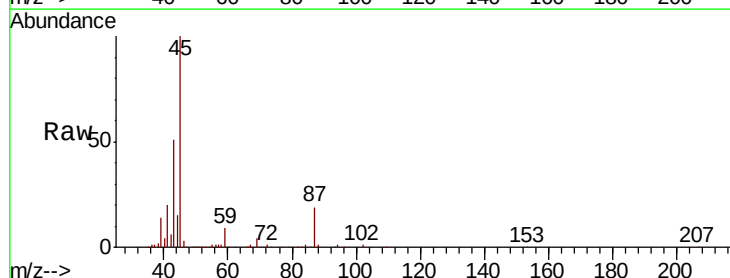
RT: 2.83 min Scan# 223

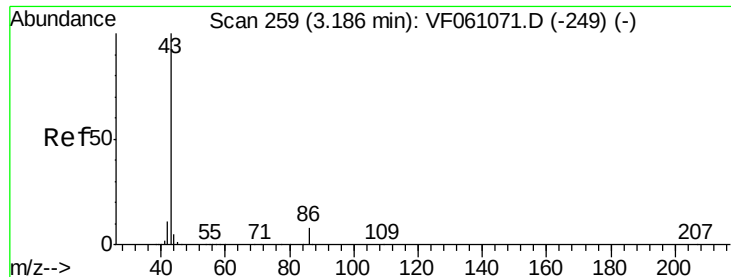
Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Tgt Ion:	45	Resp:	139589
Ion	Ratio	Lower	Upper
45	100		
43	50.7	42.2	63.2
87	18.9	14.6	22.0
59	8.8	7.0	10.4





#23

Vinyl Acetate

Concen: 112.503 ug/l

RT: 3.21 min Scan# 262

Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

Tgt Ion: 43 Resp: 359999

Ion Ratio Lower Upper

43 100

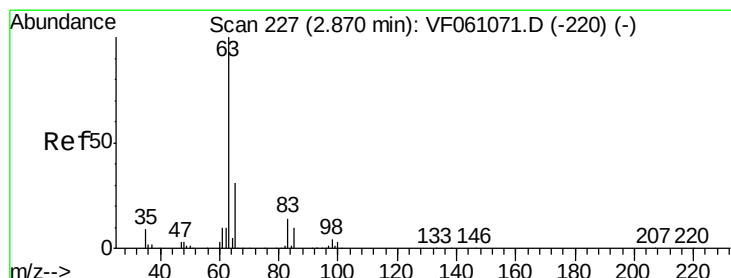
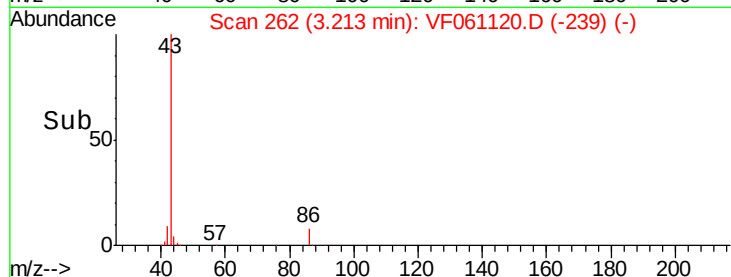
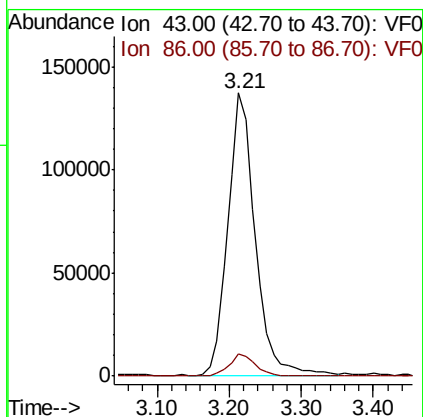
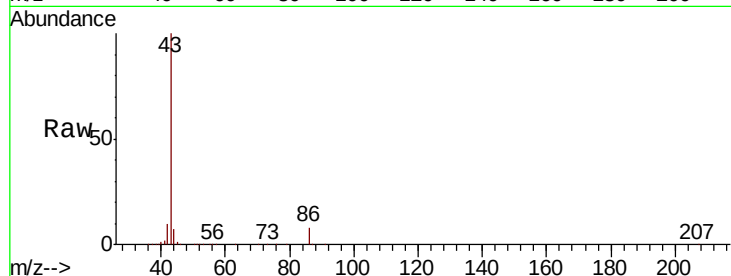
86 7.7 6.3 9.5

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#24

1,1-Dichloroethane

Concen: 17.974 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

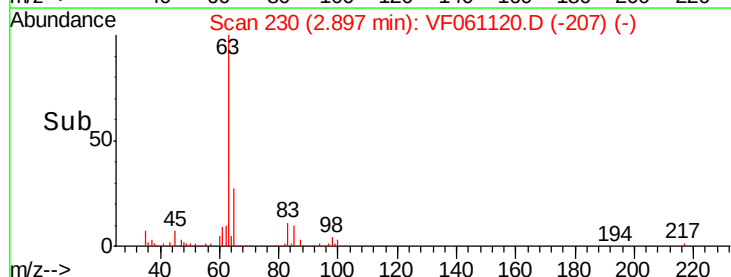
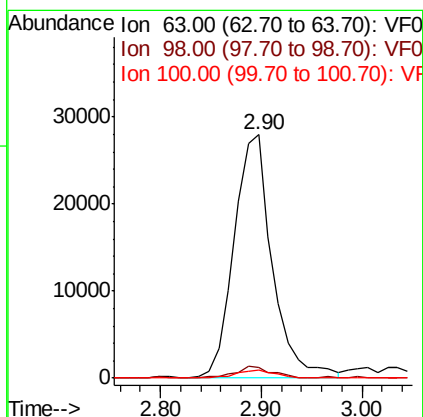
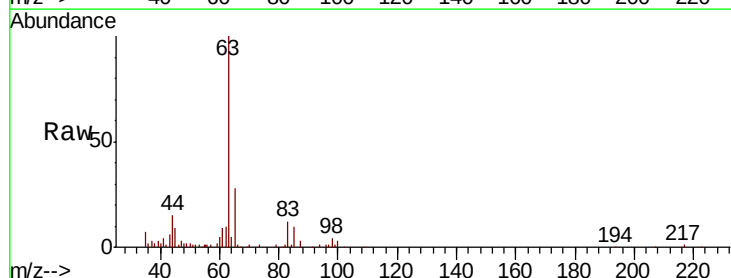
Tgt Ion: 63 Resp: 73869

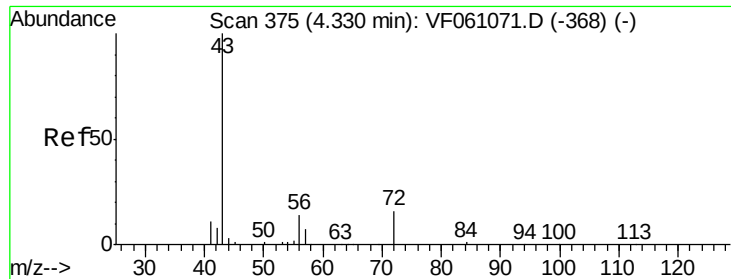
Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

100 3.5 1.7 5.1





#25

2-Butanone

Concen: 107.619 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.04 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

Tgt Ion: 43 Resp: 101870

Ion Ratio Lower Upper

43 100

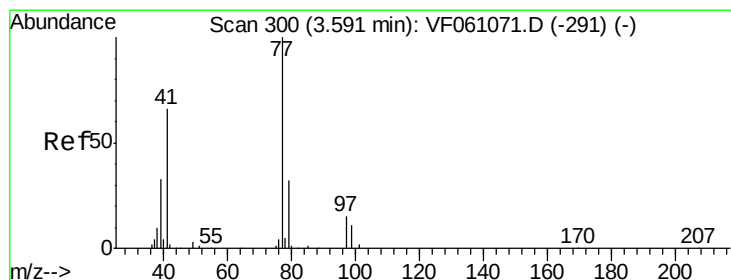
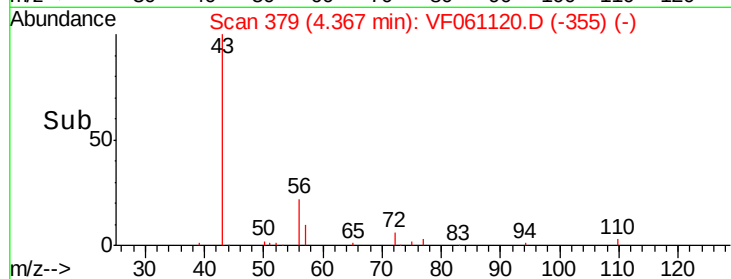
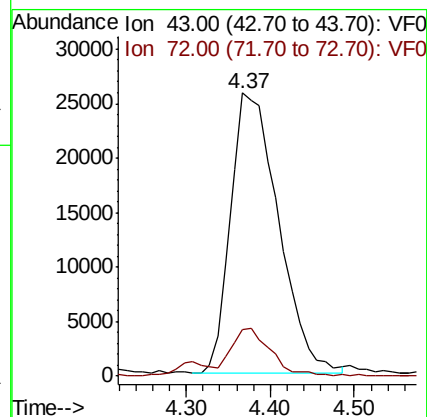
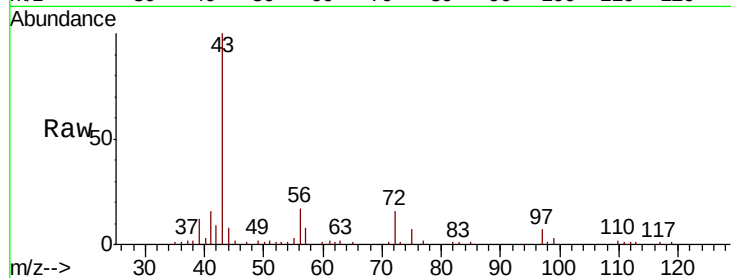
72 16.4 15.6 23.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.954 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.03 min

Lab File: VF061120.D

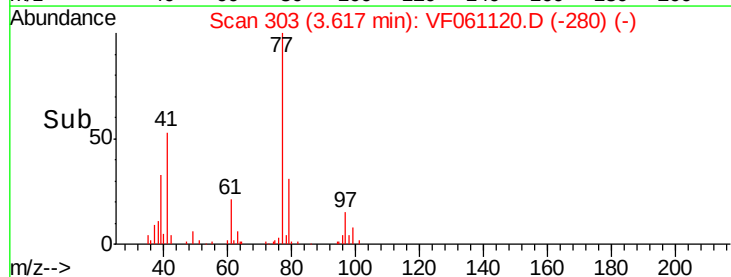
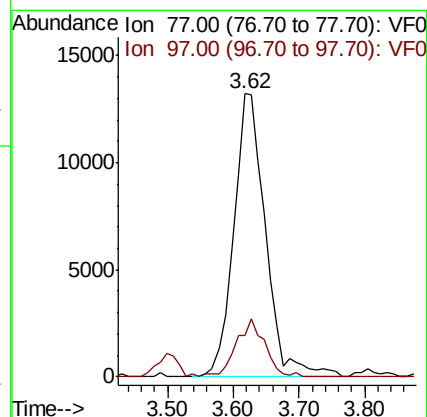
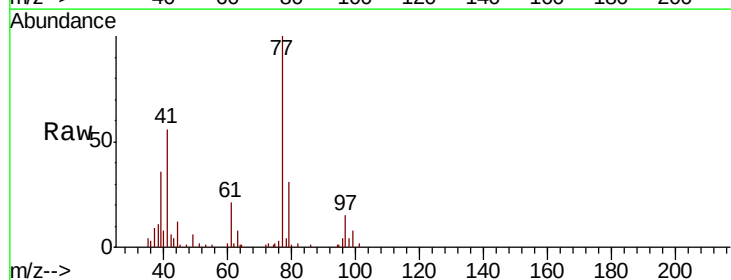
Acq: 21 Dec 2018 12:24

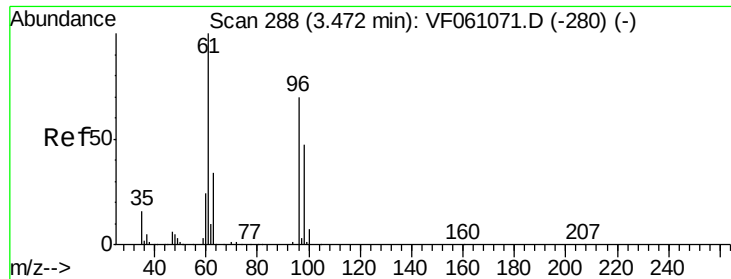
Tgt Ion: 77 Resp: 44704

Ion Ratio Lower Upper

77 100

97 14.7 8.2 24.4





#27

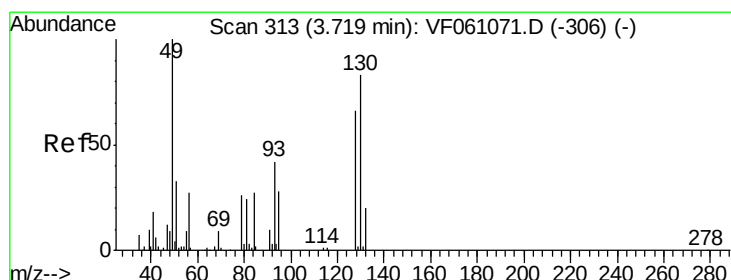
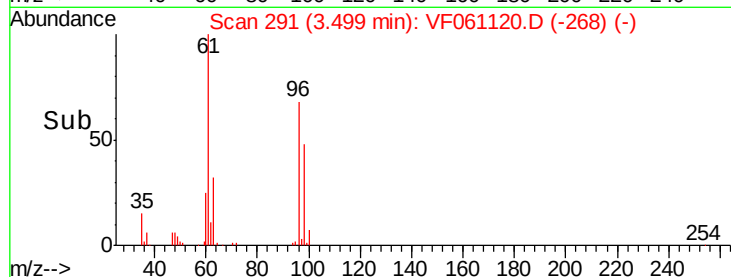
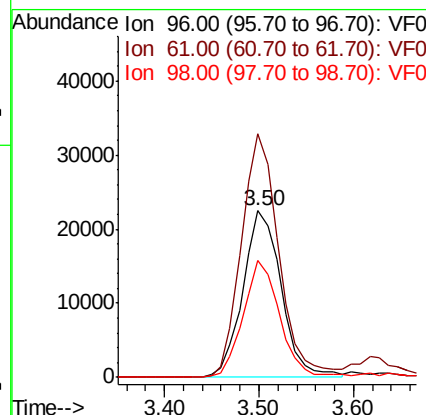
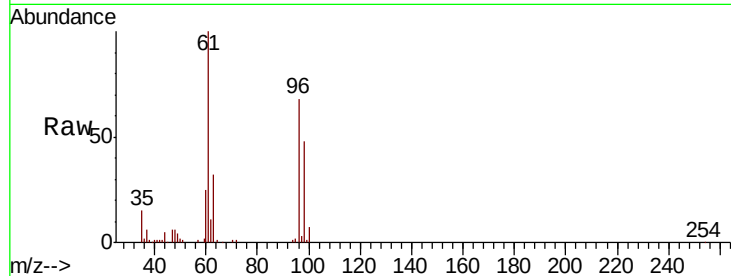
cis-1,2-Dichloroethene
 Concen: 19.390 ug/l
 RT: 3.50 min Scan# 291
 Delta R.T. 0.03 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	63529		
61	146.5	0.0	287.8	
98	70.3	0.0	134.2	

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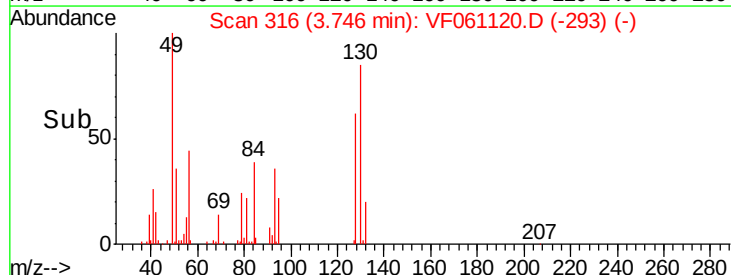
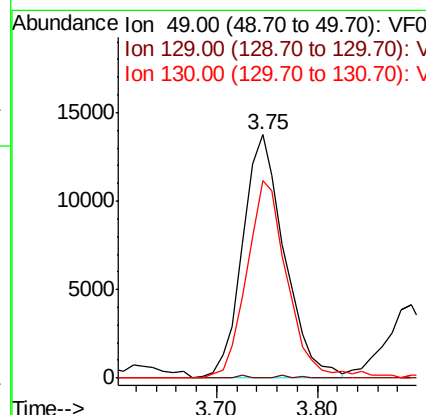
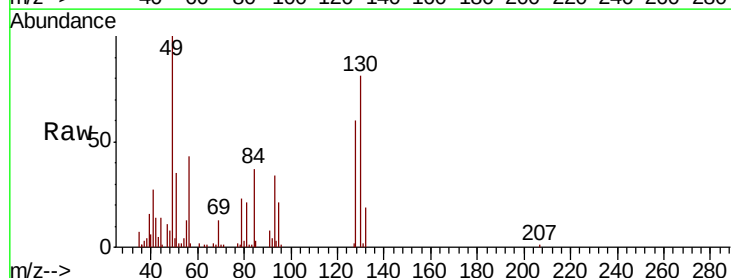
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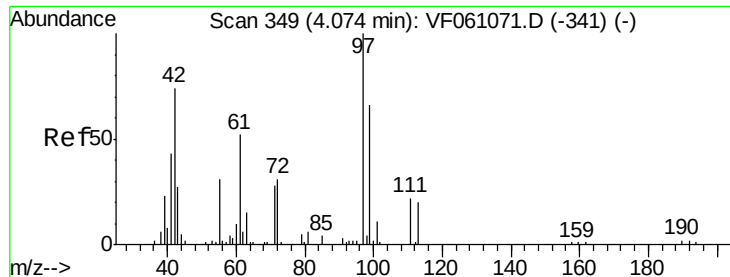


#28

Bromochloromethane
 Concen: 19.134 ug/l
 RT: 3.75 min Scan# 316
 Delta R.T. 0.03 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	39899		
129	0.0	0.0	3.6	
130	81.3	65.8	98.6	





#29

Tetrahydrofuran

Concen: 109.884 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.05 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

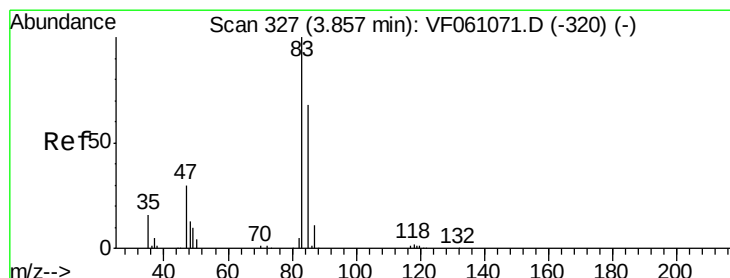
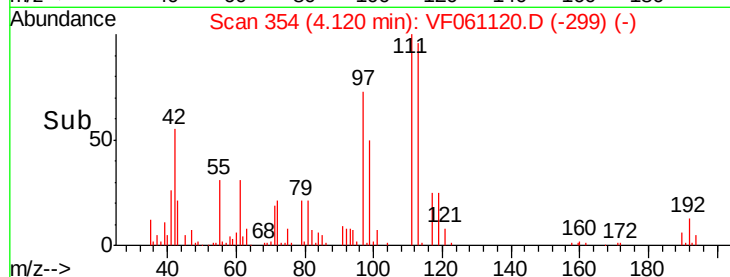
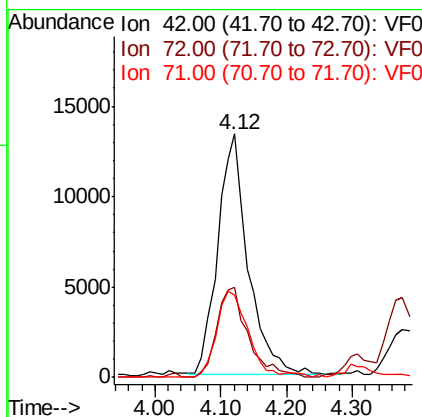
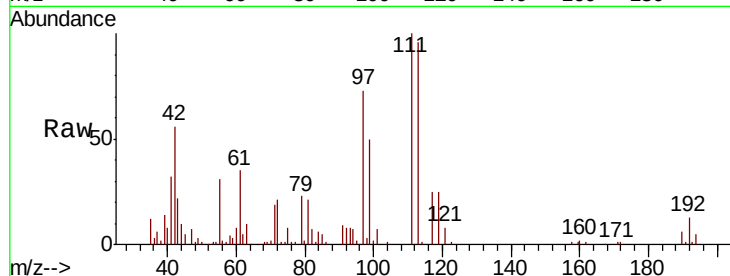
ClientSampleId :

VF1221SBS01

Tgt Ion:	42	Resp:	42335
Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.8	47.8
71	38.0	29.7	44.5

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#30

Chloroform

Concen: 18.904 ug/l

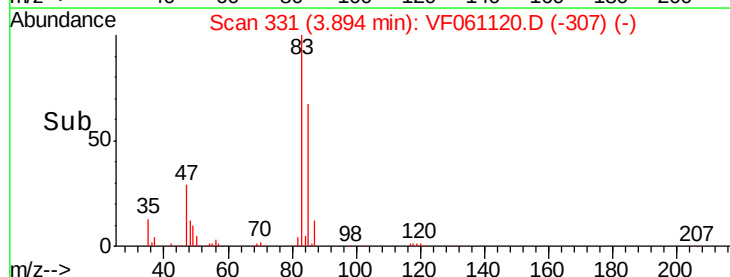
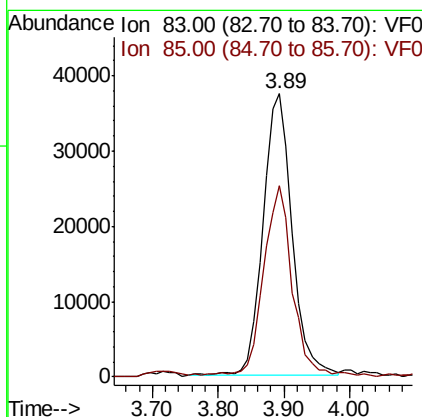
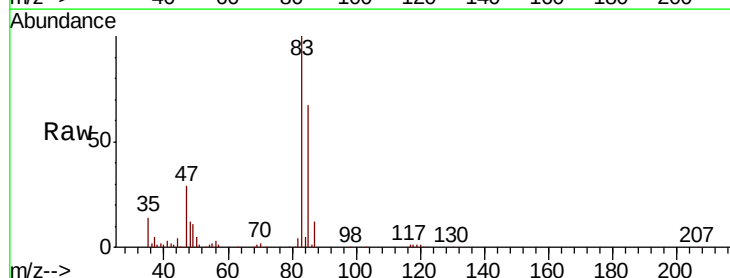
RT: 3.89 min Scan# 331

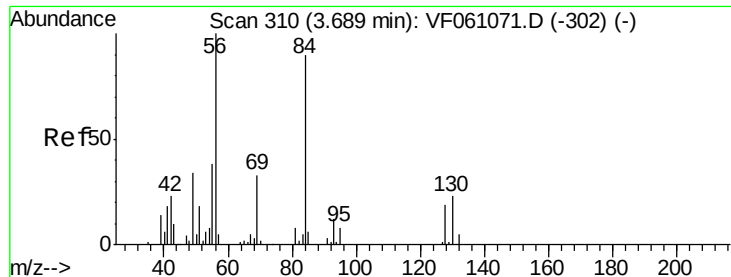
Delta R.T. 0.04 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Tgt Ion:	83	Resp:	116493
Ion	Ratio	Lower	Upper
83	100		
85	67.5	54.5	81.7





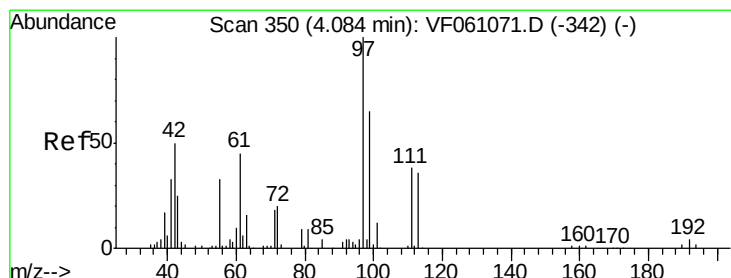
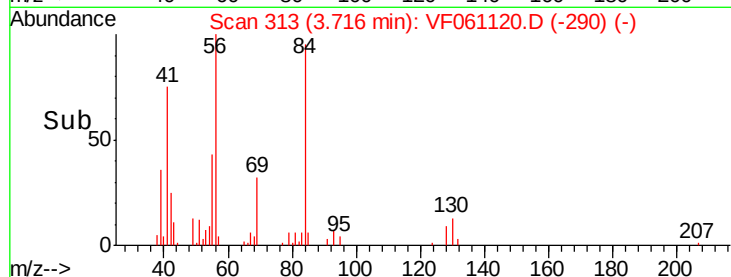
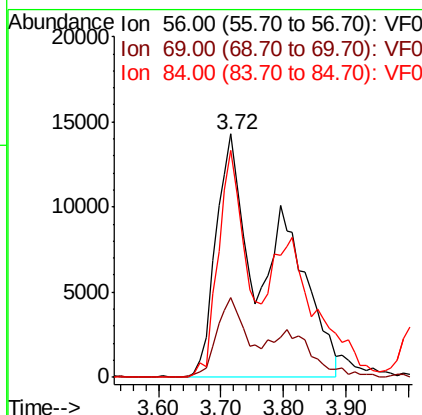
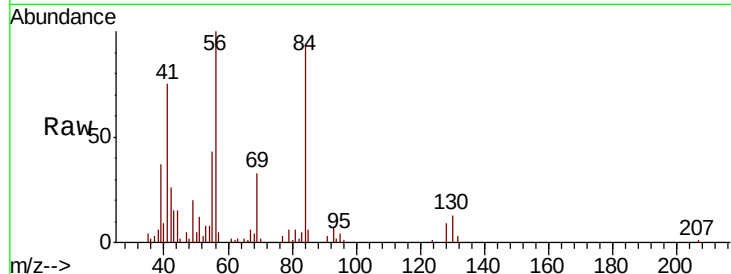
#31
Cyclohexane
Concen: 20.818 ug/l m
RT: 3.72 min Scan# 313
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion: 56 Resp: 88778
Ion Ratio Lower Upper
56 100
69 32.8 26.0 39.0
84 93.4 71.4 107.2

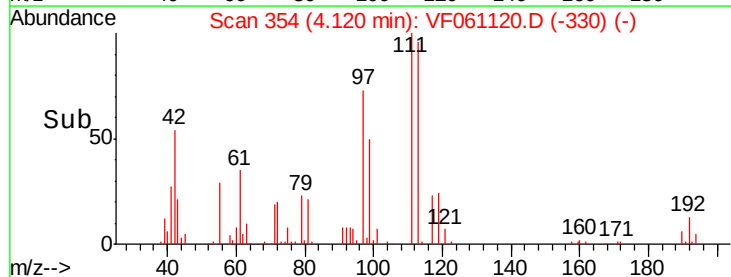
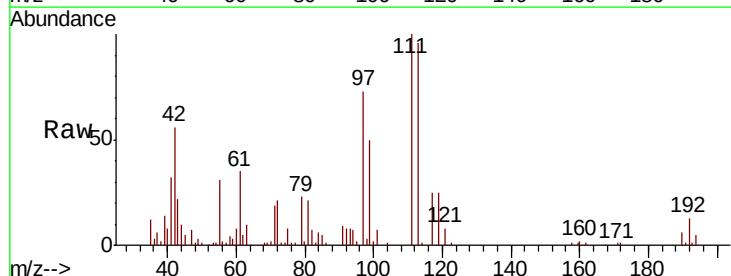
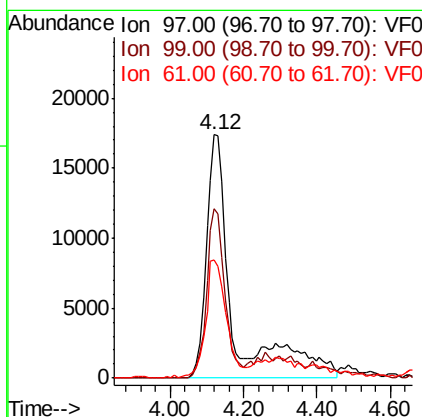
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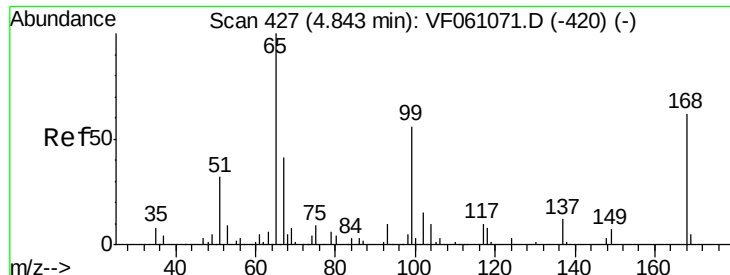
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#32
1,1,1-Trichloroethane
Concen: 23.760 ug/l m
RT: 4.12 min Scan# 354
Delta R.T. 0.04 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion: 97 Resp: 87759
Ion Ratio Lower Upper
97 100
99 69.3 51.6 77.4
61 48.4 36.2 54.2





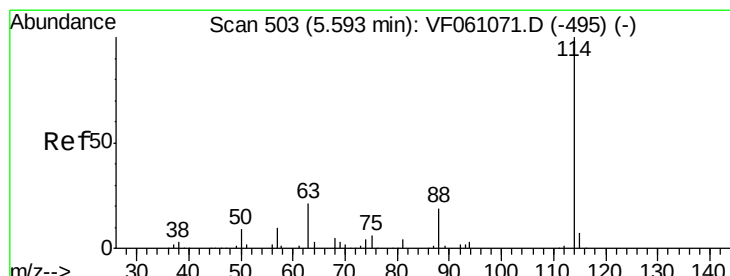
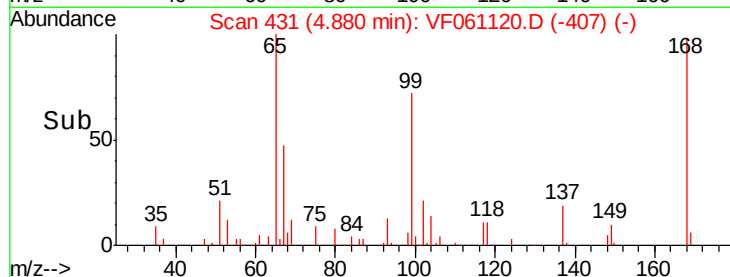
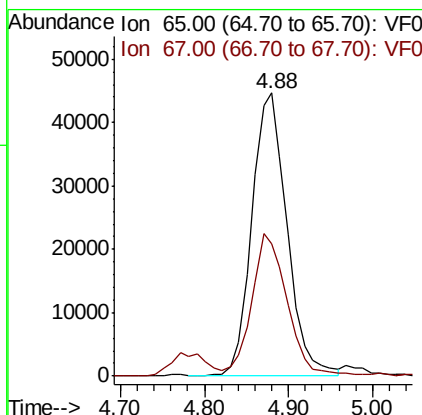
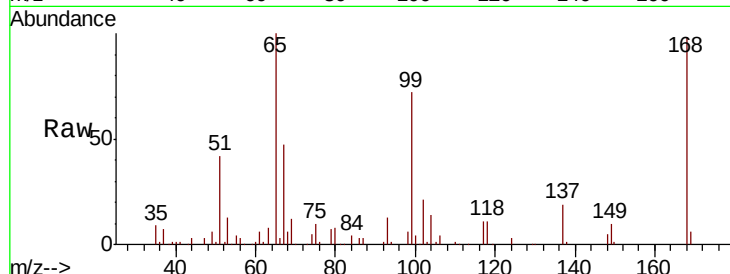
#33
 1,2-Dichloroethane-d4
 Concen: 44.920 ug/l
 RT: 4.88 min Scan# 431
 Delta R.T. 0.04 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

Tgt Ion: 65 Resp: 131149
 Ion Ratio Lower Upper
 65 100
 67 46.9 0.0 94.6

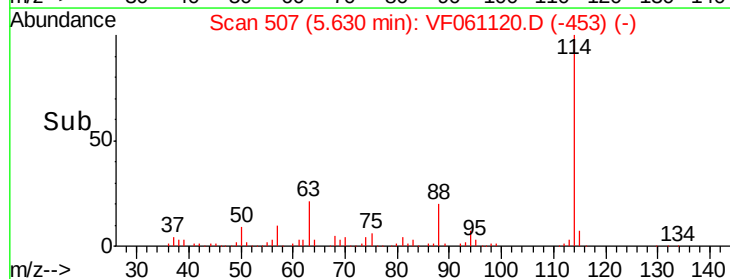
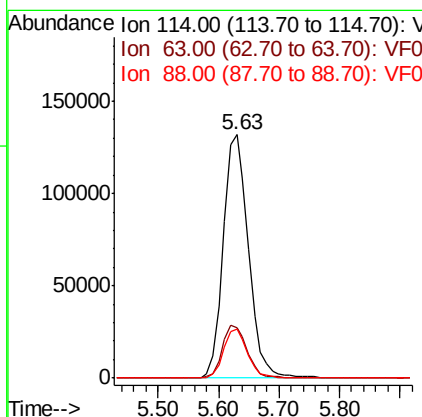
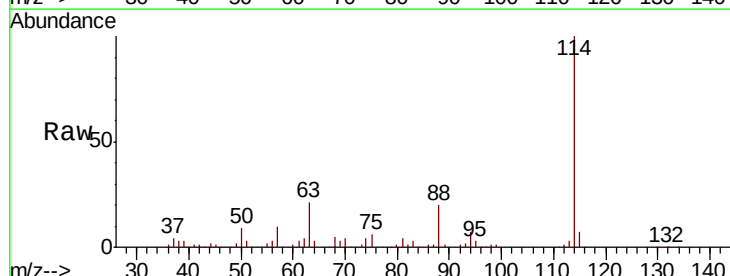
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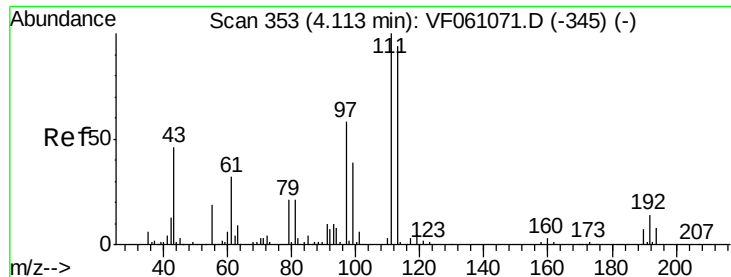
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. 0.04 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Tgt Ion: 114 Resp: 381097
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.6
 88 20.4 0.0 38.0





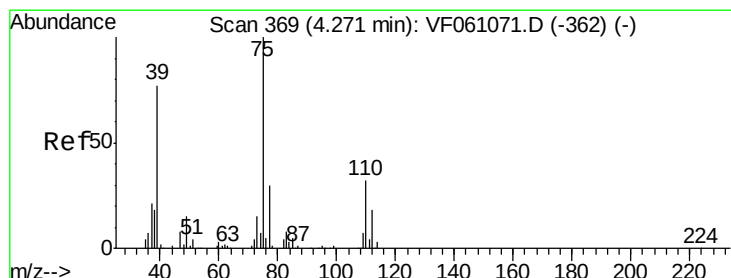
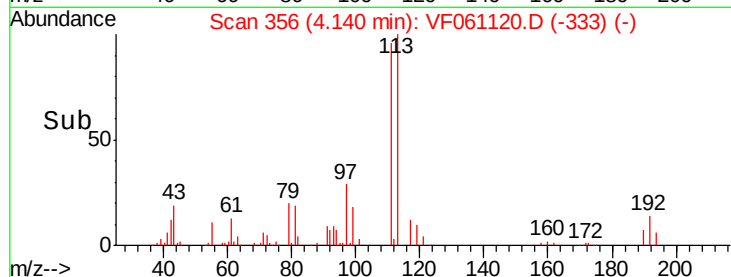
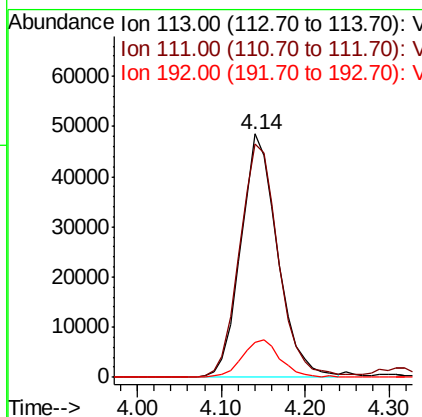
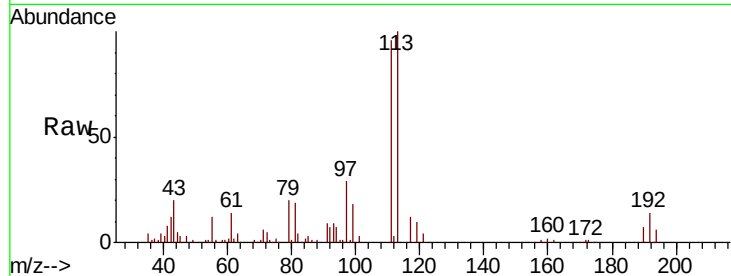
#35
 Dibromofluoromethane
 Concen: 48.644 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. 0.03 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	148500		
111	95.6	85.2	127.8	
192	14.5	12.8	19.2	

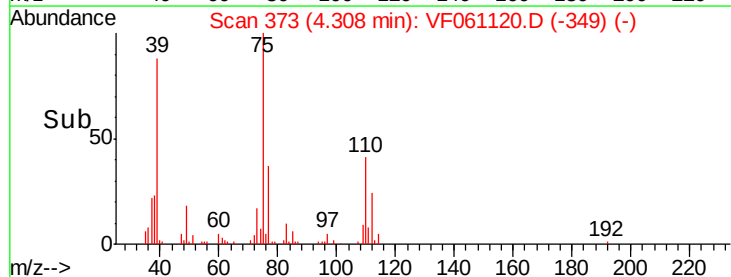
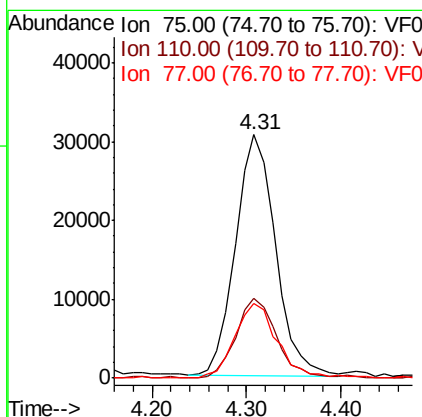
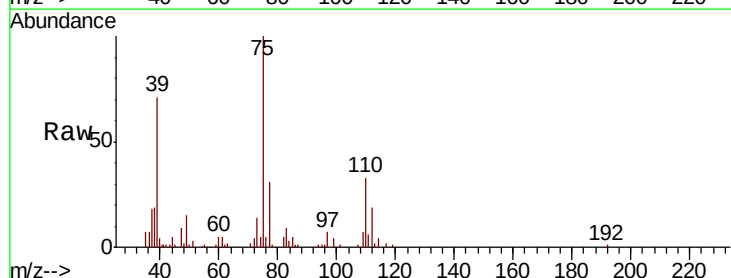
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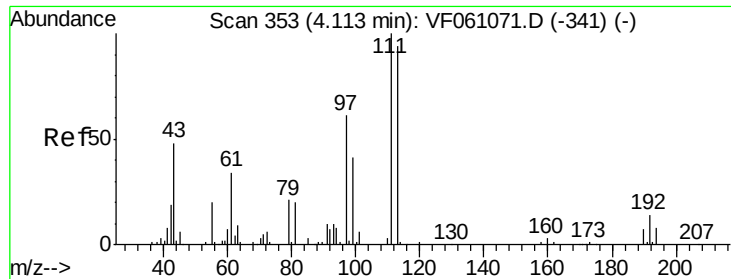
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#36
 1,1-Dichloropropene
 Concen: 19.587 ug/l
 RT: 4.31 min Scan# 373
 Delta R.T. 0.04 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90104		
110	33.0	16.1	48.2	
77	30.5	24.5	36.7	





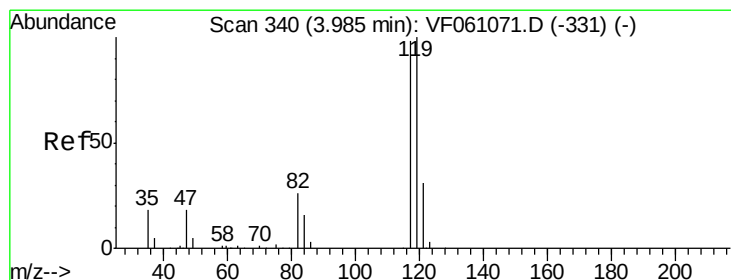
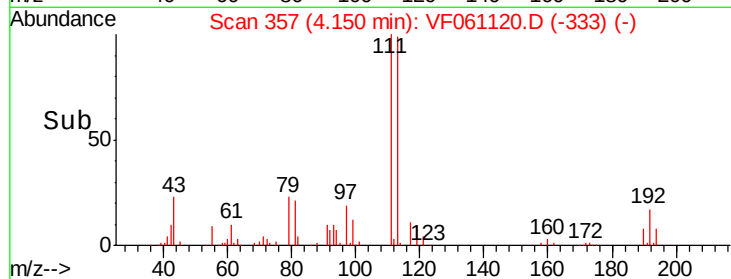
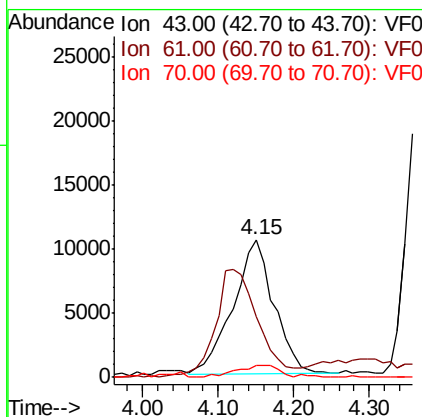
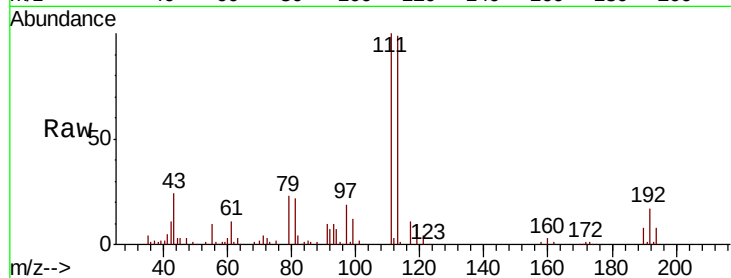
#37
Ethyl Acetate
Concen: 19.936 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.04 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	44.1	56.6	84.8#
70	8.5	6.3	9.5

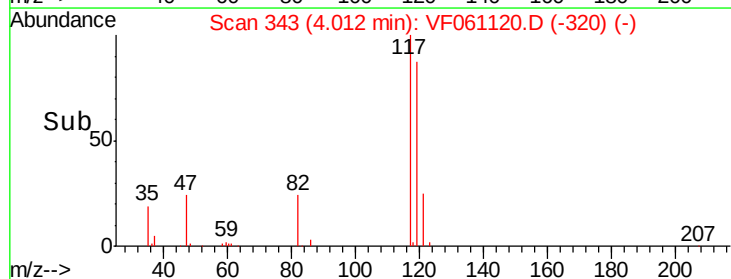
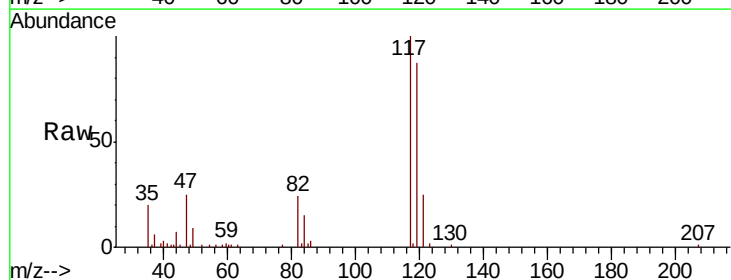
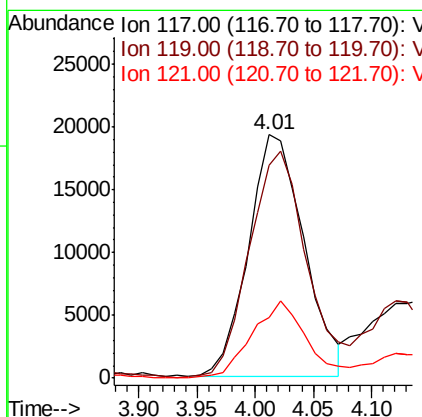
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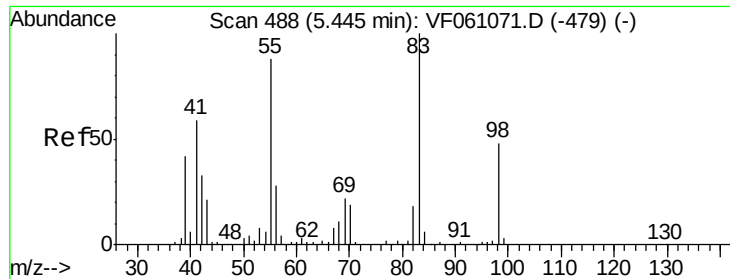
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#38
Carbon Tetrachloride
Concen: 18.288 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.5	82.1	123.1
121	24.7	25.5	38.3#





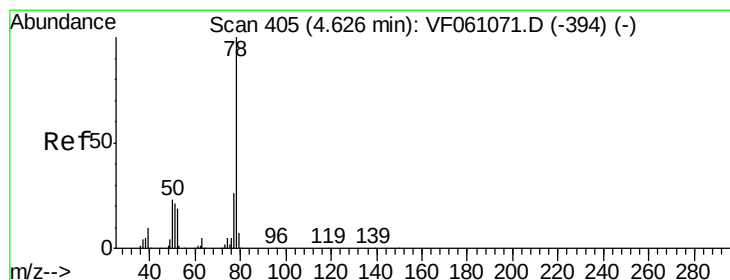
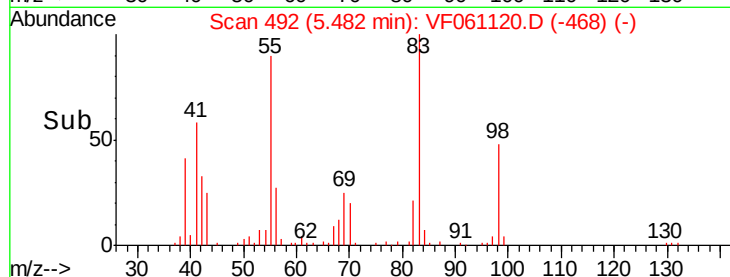
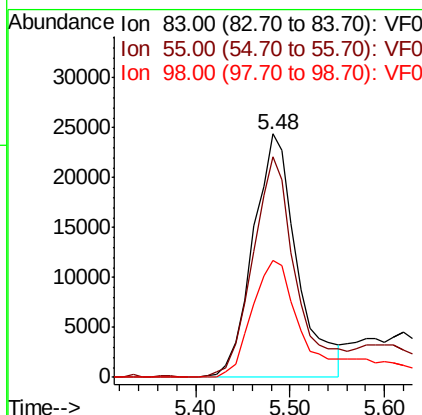
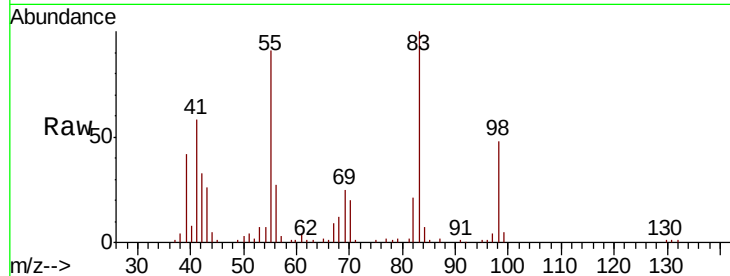
#39
Methylcyclohexane
Concen: 19.231 ug/l
RT: 5.48 min Scan# 492
Delta R.T. 0.04 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.5	70.6	105.8
98	48.0	38.5	57.7

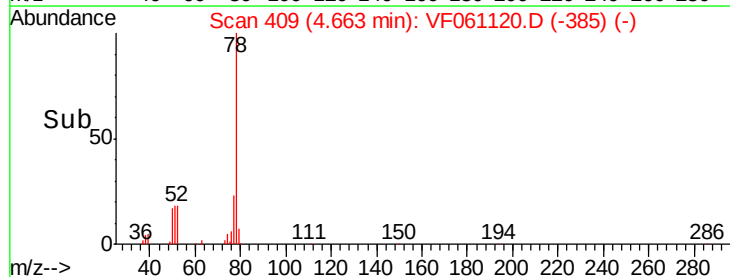
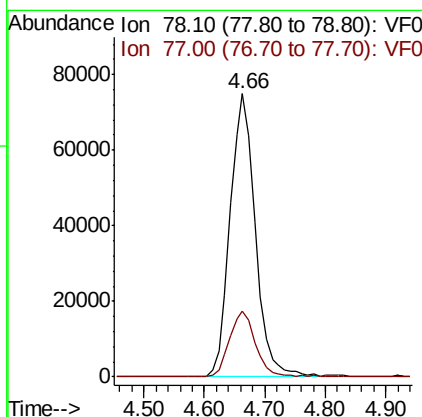
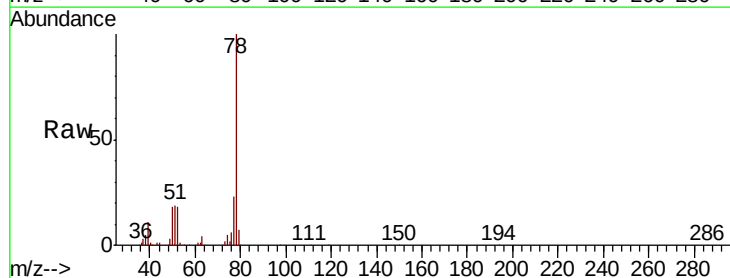
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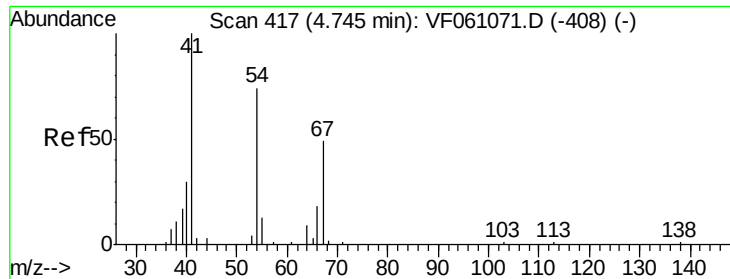
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#40
Benzene
Concen: 22.030 ug/l
RT: 4.66 min Scan# 409
Delta R.T. 0.04 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	20.7	31.1





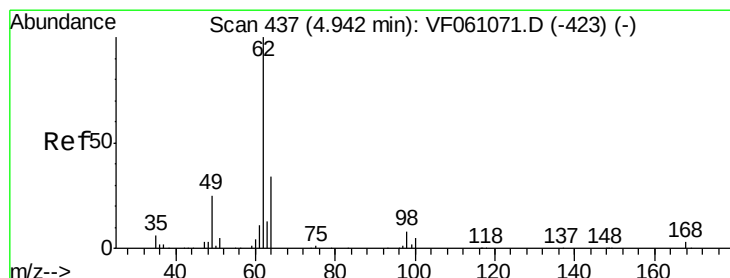
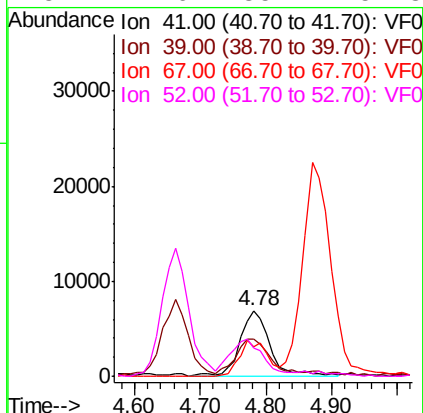
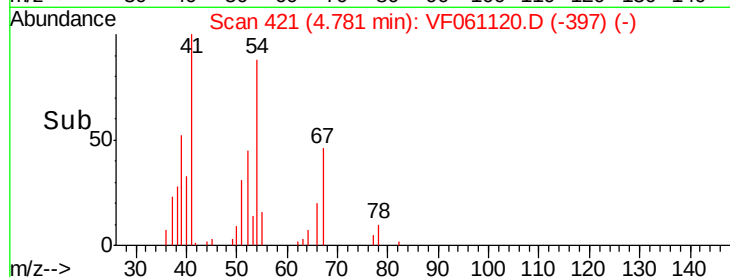
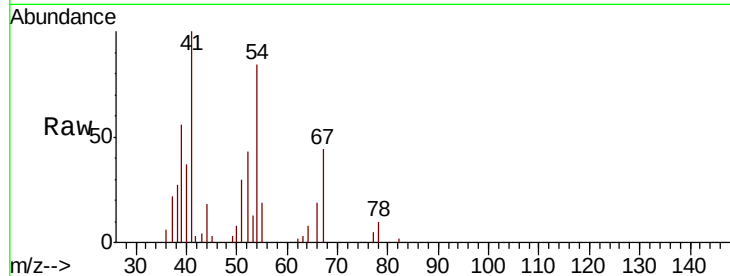
#41
Methacrylonitrile
Concen: 23.064 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.04 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	45.7	68.5	
67	43.9	38.9	58.3	
52	42.6	35.2	52.8	

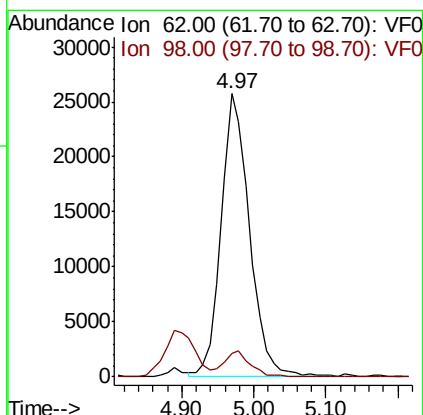
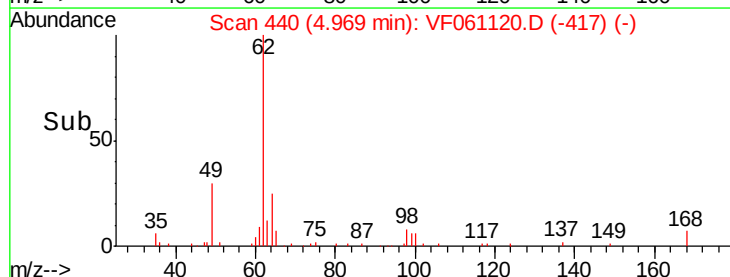
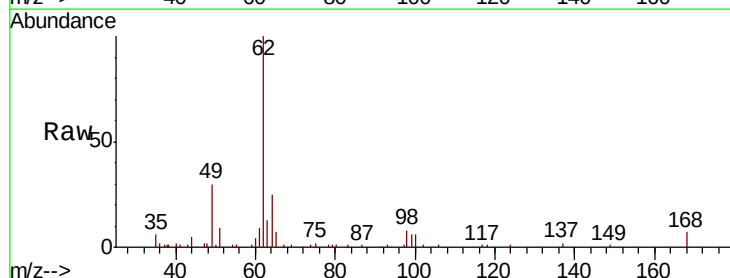
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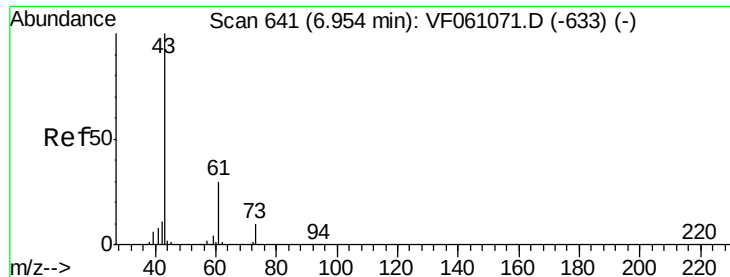
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#42
1,2-Dichloroethane
Concen: 18.757 ug/l
RT: 4.97 min Scan# 440
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.6	





#43

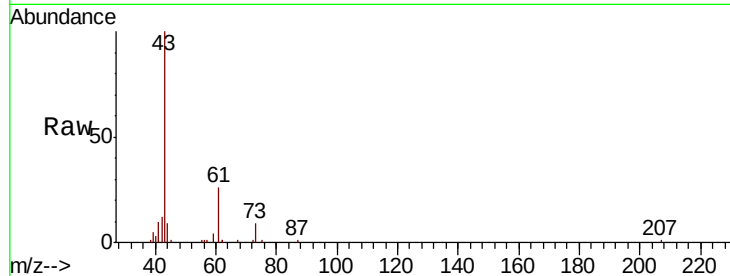
Isopropyl Acetate
 Concen: 22.784 ug/l
 RT: 6.99 min Scan# 645
 Delta R.T. 0.04 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

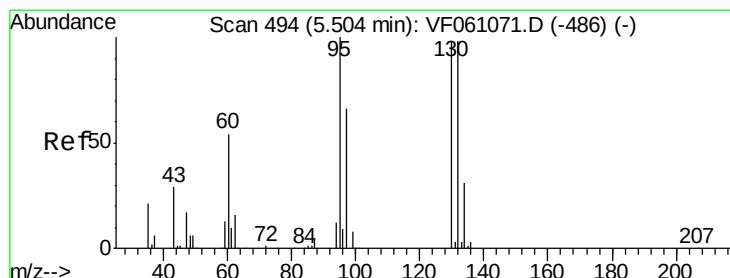
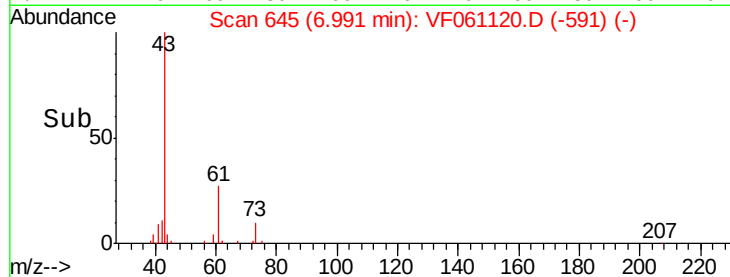
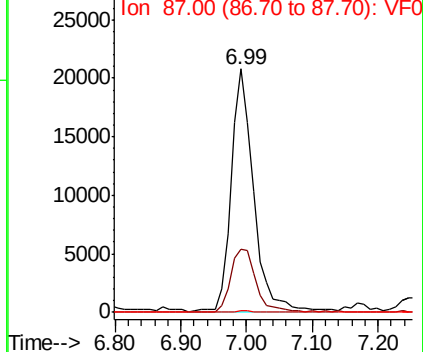
Tgt Ion	Ratio	Lower	Upper
43	100		
61	25.9	23.8	35.8
87	0.8	0.0	0.0#

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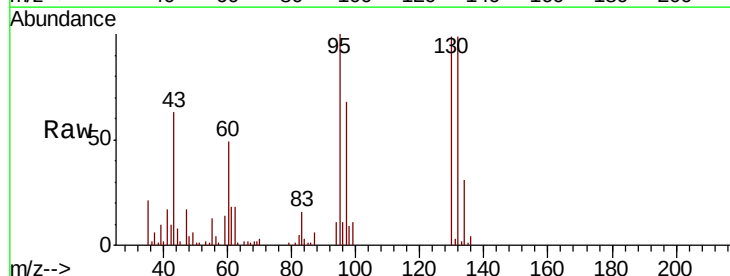
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



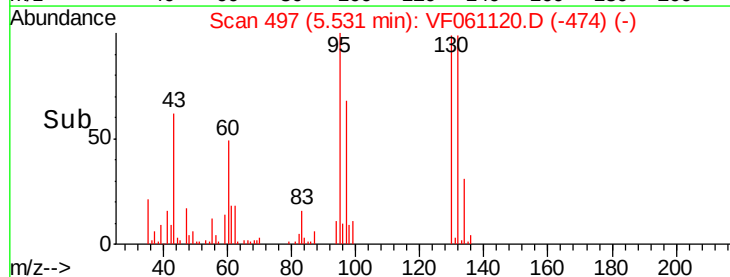
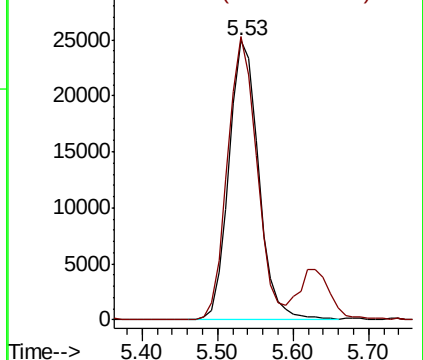
#44

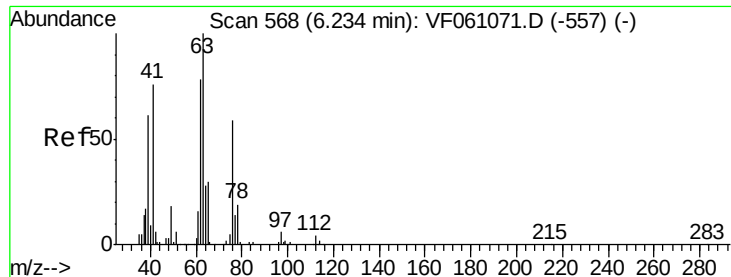
Trichloroethene
 Concen: 21.674 ug/l
 RT: 5.53 min Scan# 497
 Delta R.T. 0.03 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	205.2



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.270 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

Tgt Ion: 63 Resp: 57247

Ion Ratio Lower Upper

63 100

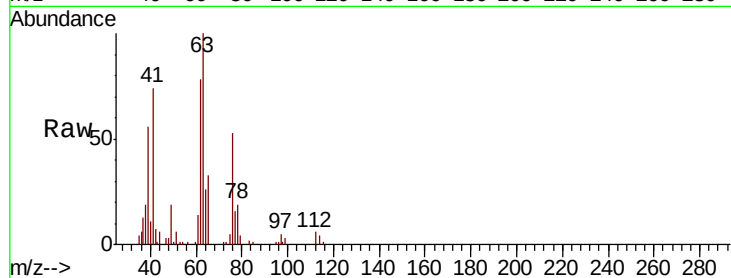
65 32.7 24.4 36.6

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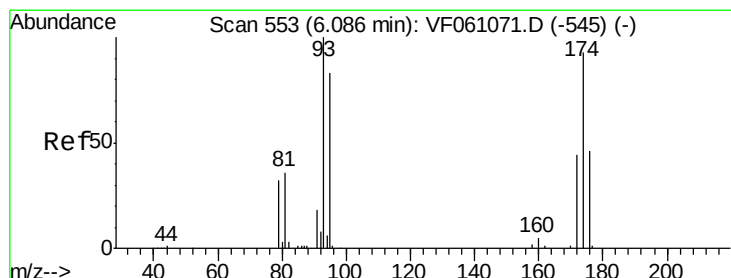
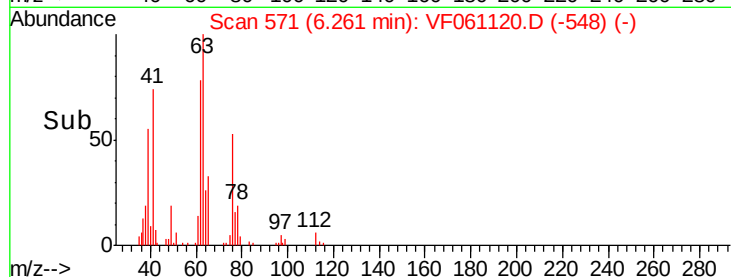
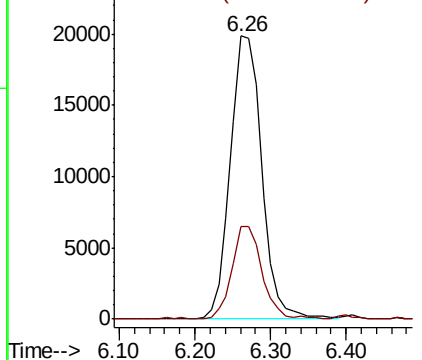
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 18.541 ug/l

RT: 6.11 min Scan# 556

Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

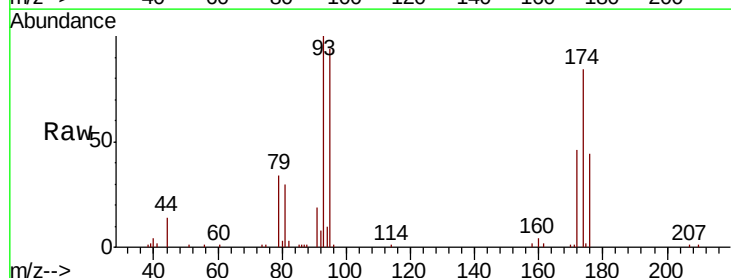
Tgt Ion: 93 Resp: 32365

Ion Ratio Lower Upper

93 100

95 93.7 66.9 100.3

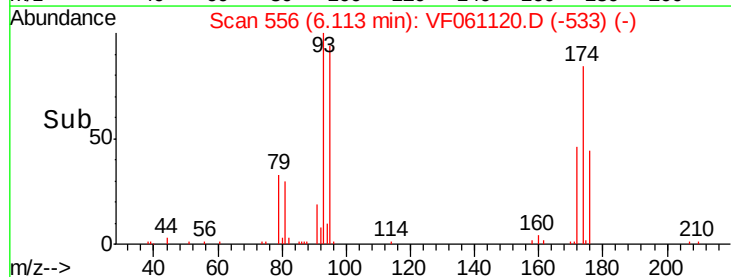
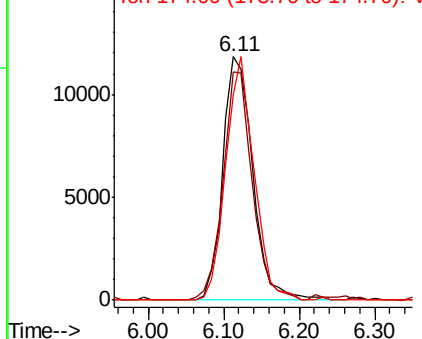
174 84.3 74.1 111.1

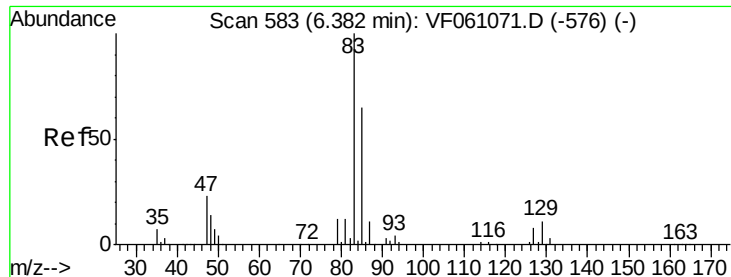


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 19.756 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.04 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

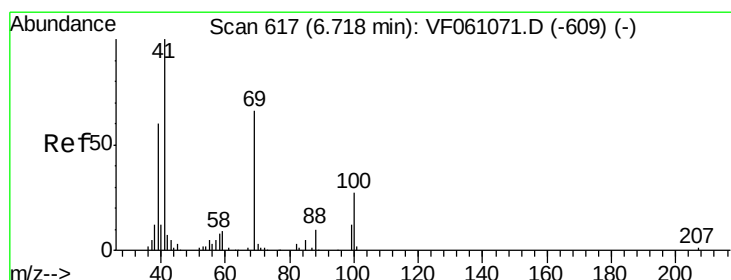
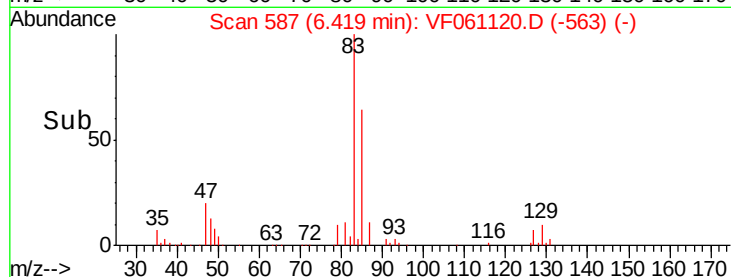
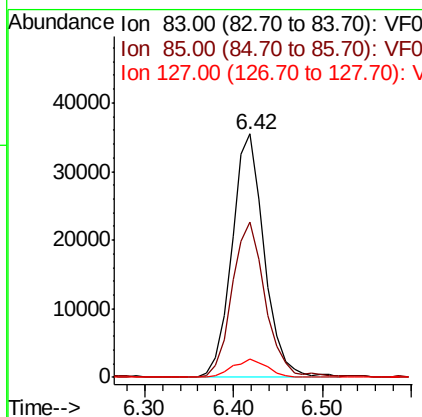
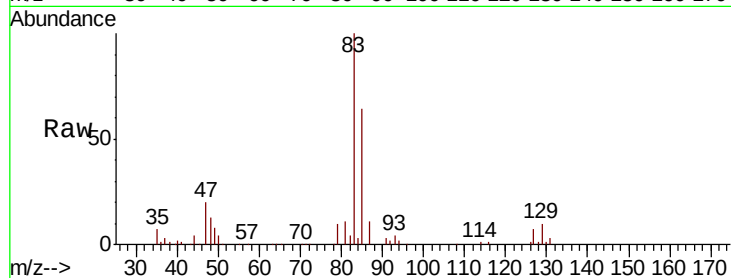
ClientSampleId :

VF1221SBS01

Tgt Ion:	83	Resp:	89606
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.4
127	7.5	6.1	9.1

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#48

Methyl methacrylate

Concen: 20.303 ug/l

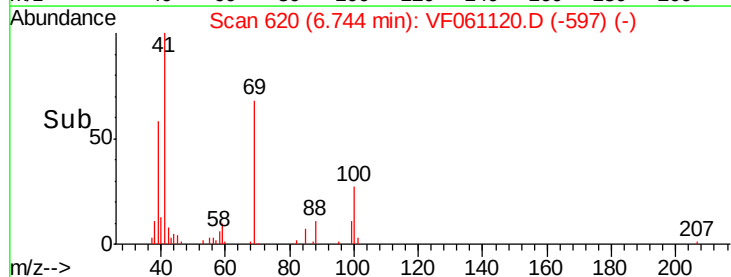
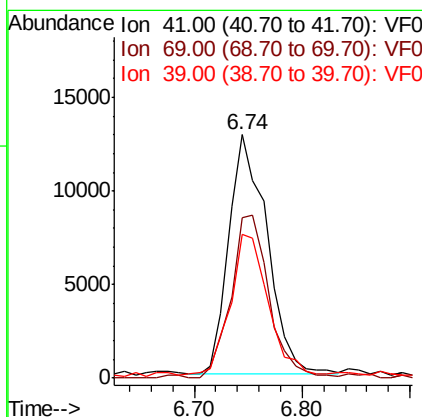
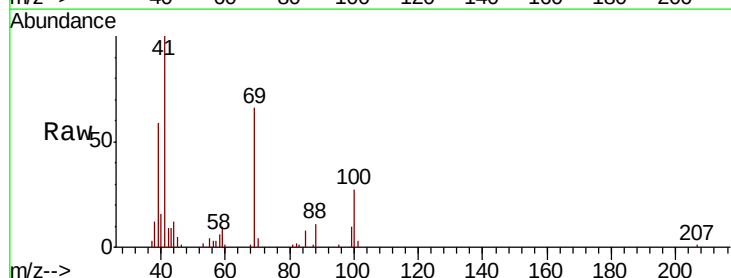
RT: 6.74 min Scan# 620

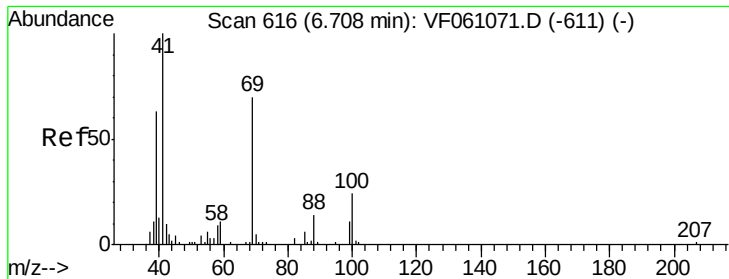
Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Tgt Ion:	41	Resp:	31482
Ion	Ratio	Lower	Upper
41	100		
69	66.1	52.7	79.1
39	58.9	47.8	71.6





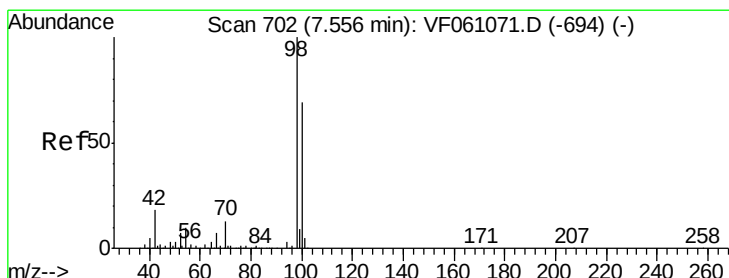
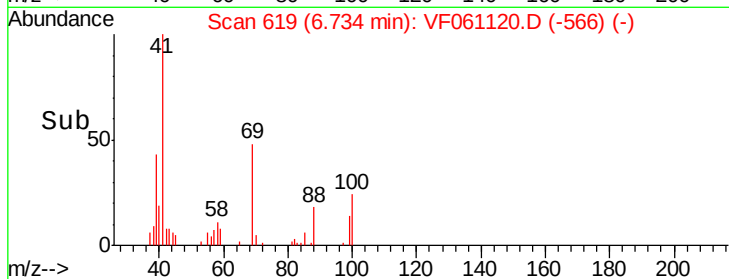
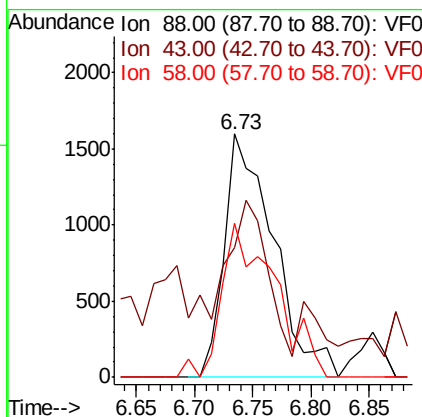
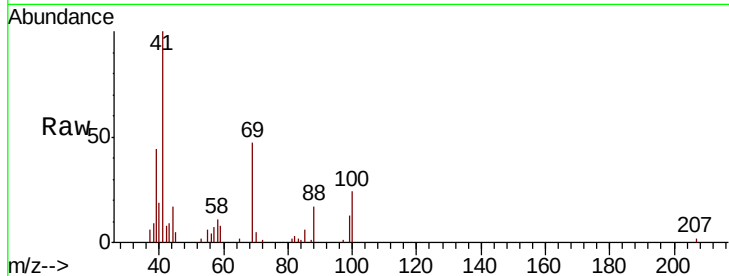
#49
1,4-Dioxane
Concen: 416.045 ug/l
RT: 6.73 min Scan# 619
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	4681		
43	53.1	33.3	49.9#	
58	63.2	53.2	79.8	

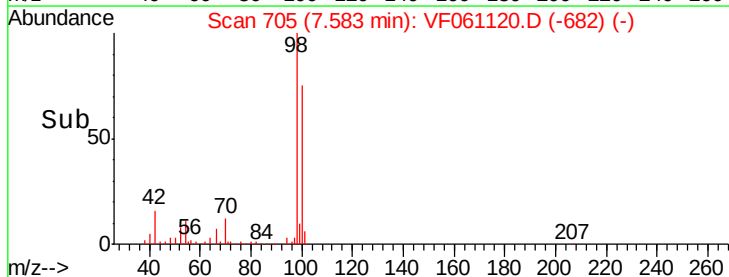
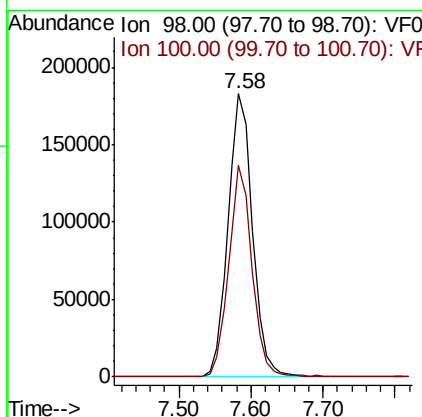
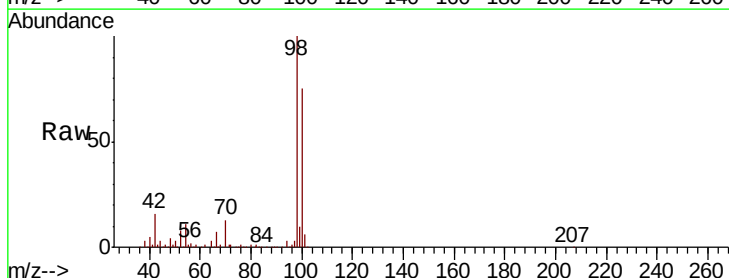
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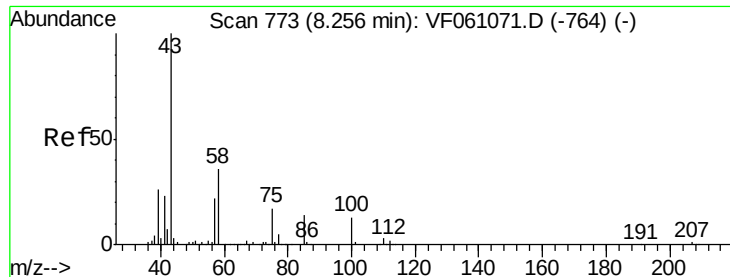
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#50
Toluene-d8
Concen: 50.022 ug/l
RT: 7.58 min Scan# 705
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	432754		
100	74.6	55.3	82.9	





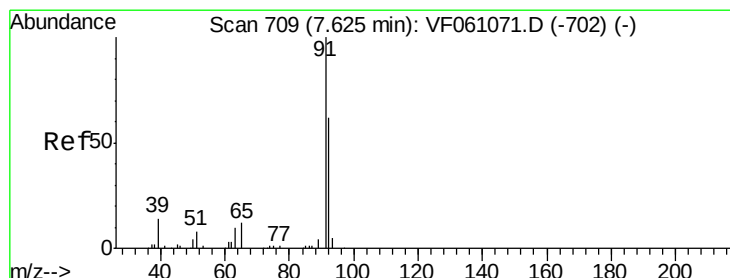
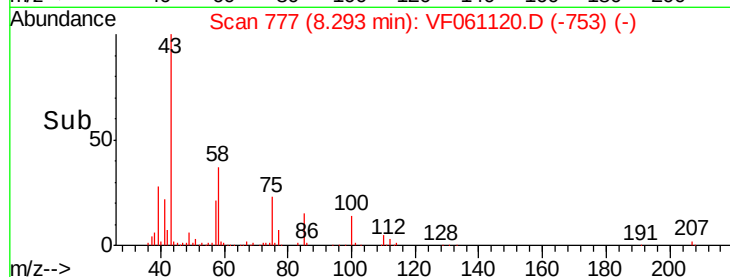
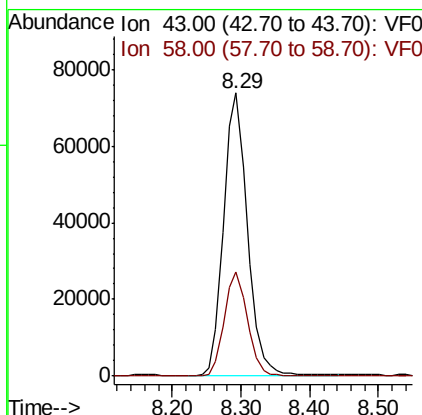
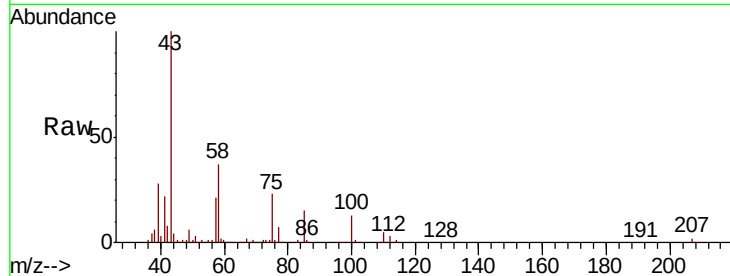
#51
 4-Methyl-2-Pentanone
 Concen: 115.719 ug/l
 RT: 8.29 min Scan# 777
 Delta R.T. 0.04 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

Tgt Ion: 43 Resp: 176278
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.1 43.7

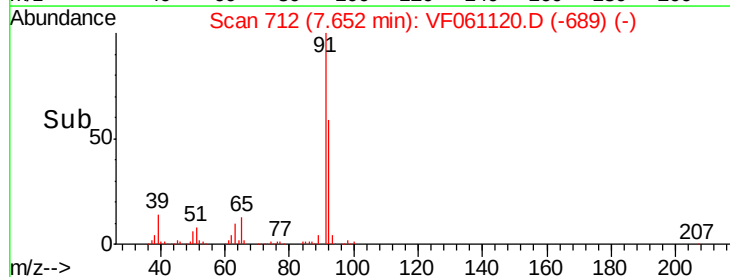
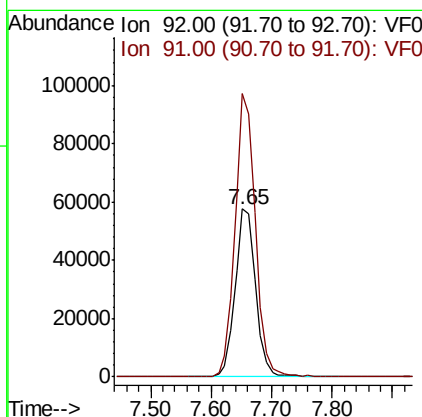
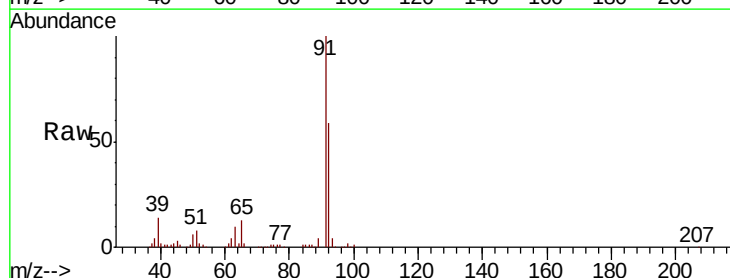
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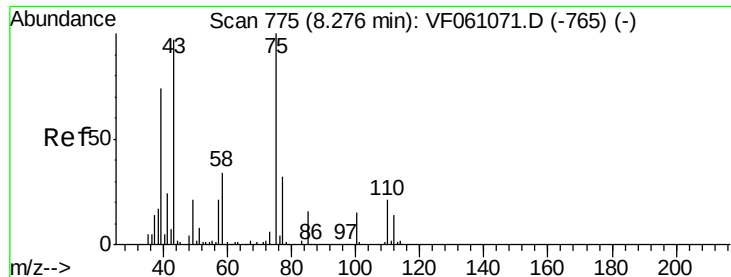
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#52
 Toluene
 Concen: 20.689 ug/l
 RT: 7.65 min Scan# 712
 Delta R.T. 0.03 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Tgt Ion: 92 Resp: 135479
 Ion Ratio Lower Upper
 92 100
 91 168.9 128.8 193.2





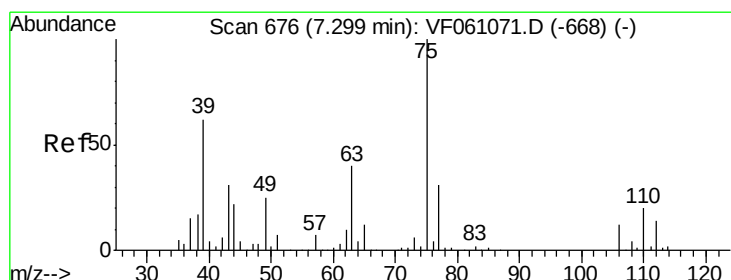
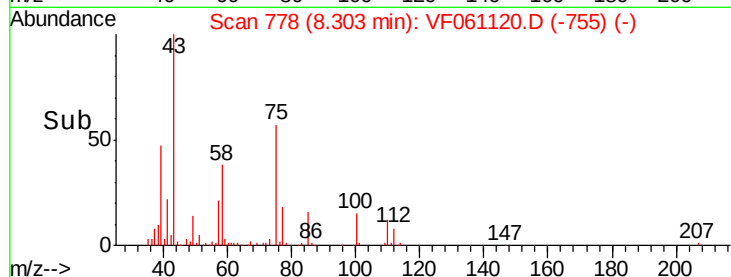
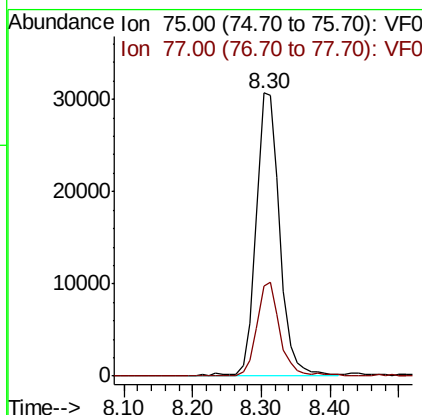
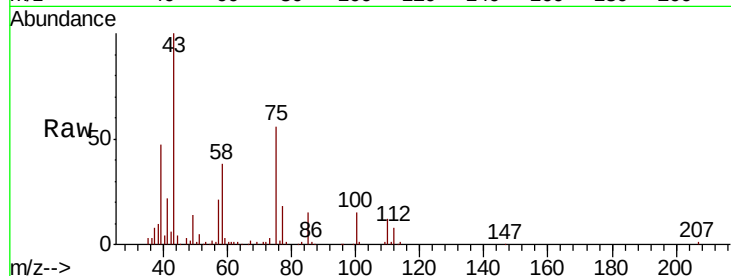
#53
t-1,3-Dichloropropene
Concen: 20.111 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion: 75 Resp: 73583
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.8

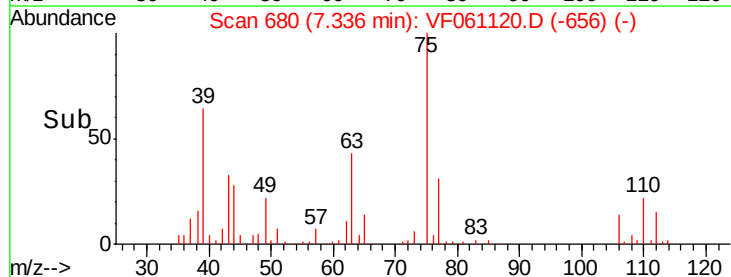
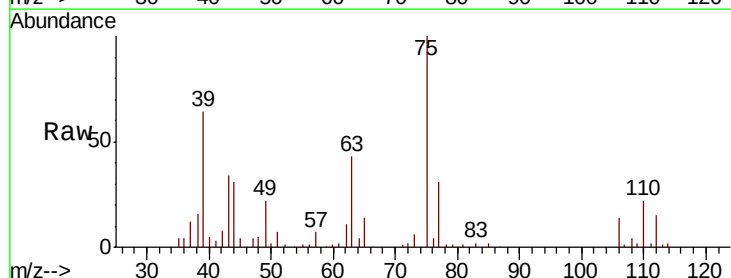
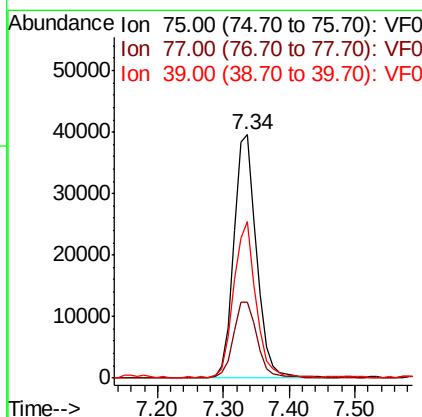
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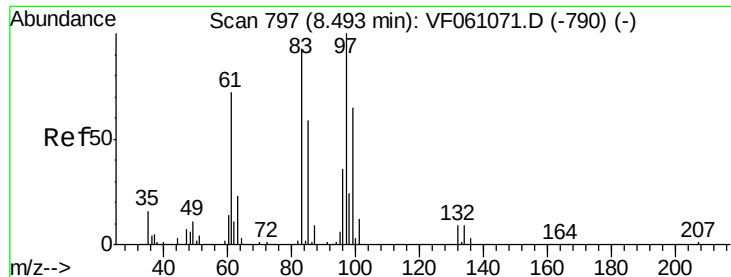
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#54
cis-1,3-Dichloropropene
Concen: 20.953 ug/l
RT: 7.34 min Scan# 680
Delta R.T. 0.04 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion: 75 Resp: 96221
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4
39 64.1 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 21.061 ug/l

RT: 8.52 min Scan# 800

Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

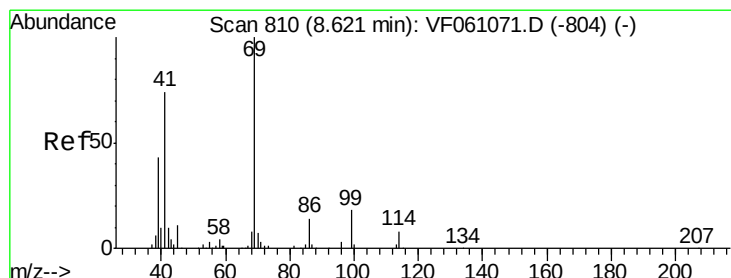
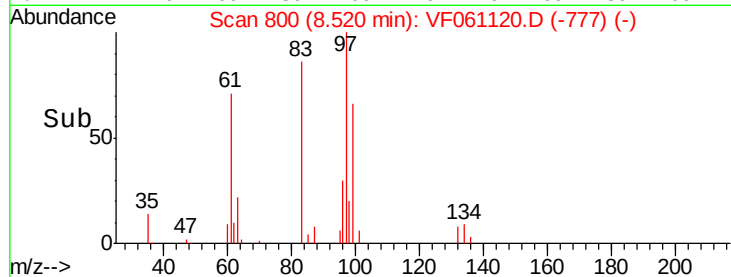
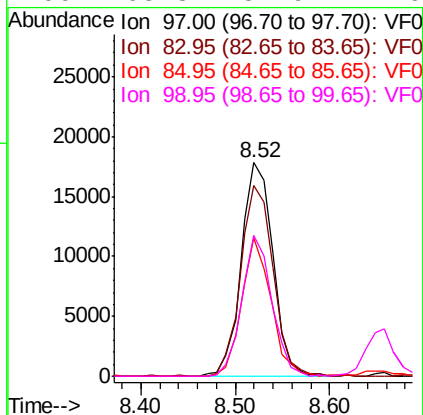
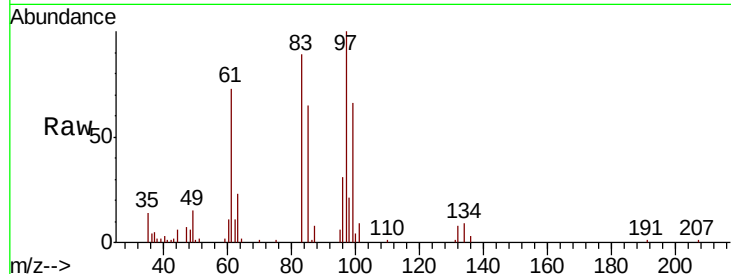
ClientSampleId :

VF1221SBS01

Tgt Ion:	97	Resp:	41345
Ion	Ratio	Lower	Upper
97	100		
83	89.3	75.0	112.4
85	65.0	47.5	71.3
99	65.8	51.9	77.9

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#56

Ethyl methacrylate

Concen: 22.041 ug/l

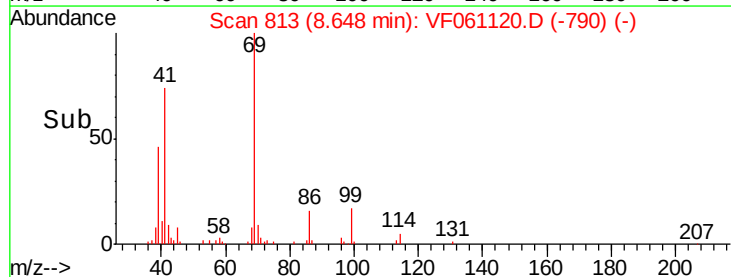
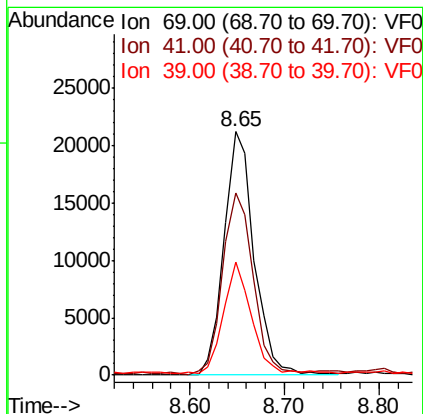
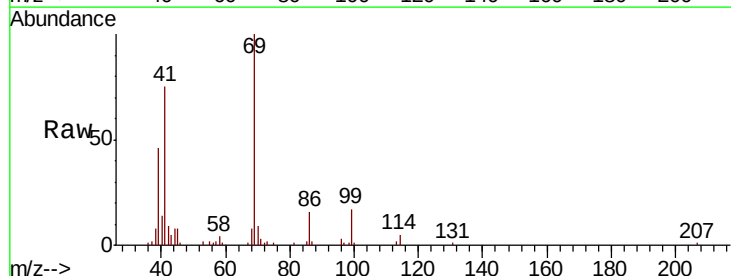
RT: 8.65 min Scan# 813

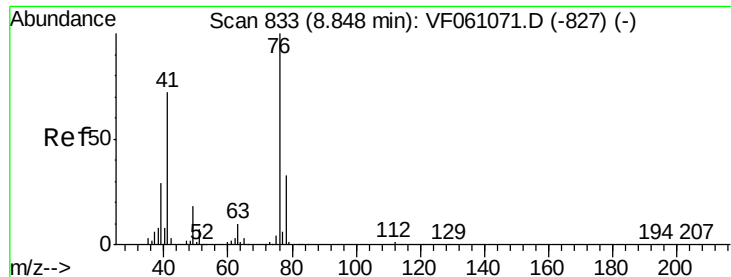
Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Tgt Ion:	69	Resp:	46821
Ion	Ratio	Lower	Upper
69	100		
41	74.8	59.7	89.5
39	46.4	35.0	52.6





#57

1,3-Dichloropropane

Concen: 20.424 ug/l

RT: 8.88 min Scan# 837

Delta R.T. 0.04 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

Tgt Ion: 76 Resp: 72515

Ion Ratio Lower Upper

76 100

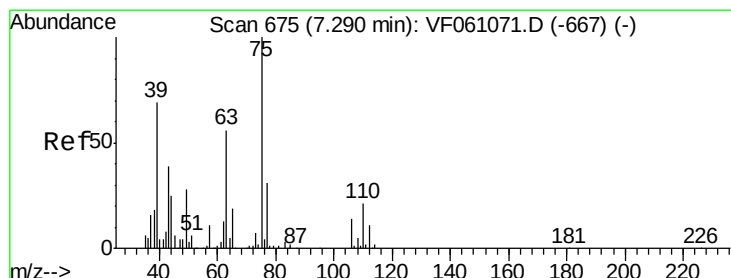
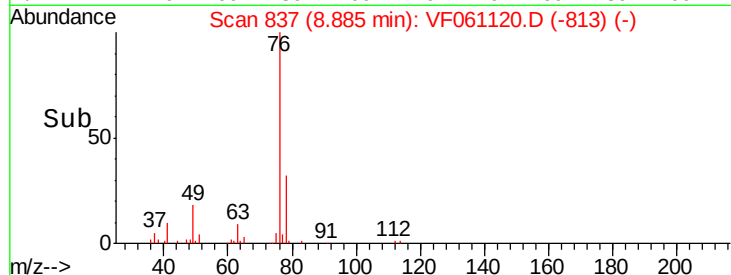
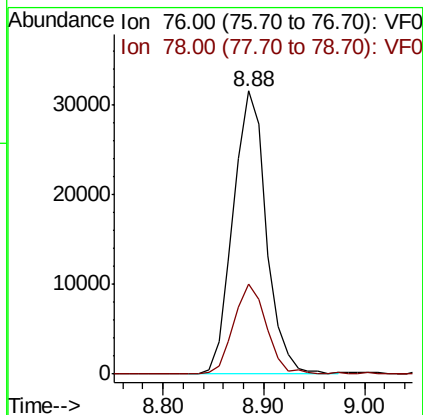
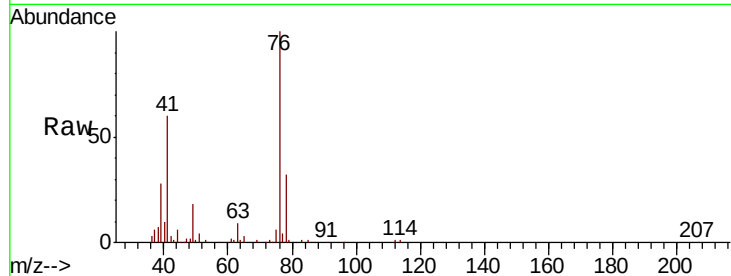
78 31.9 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 121.263 ug/l

RT: 7.33 min Scan# 679

Delta R.T. 0.04 min

Lab File: VF061120.D

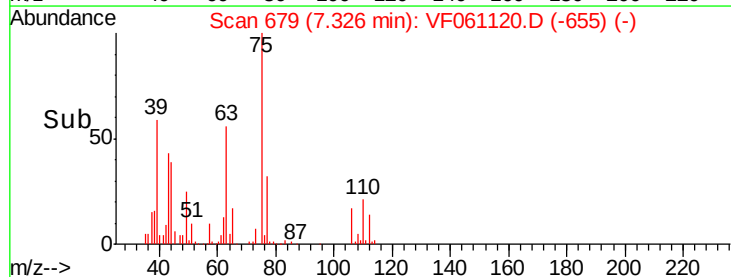
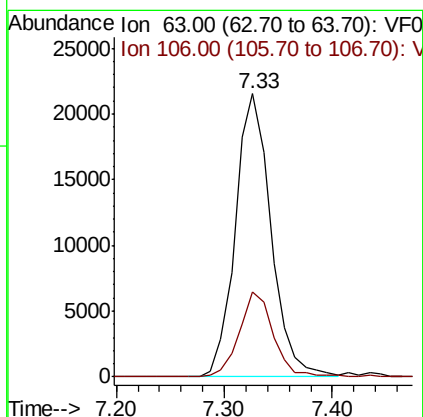
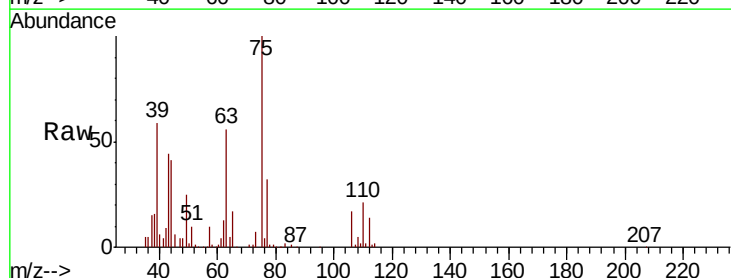
Acq: 21 Dec 2018 12:24

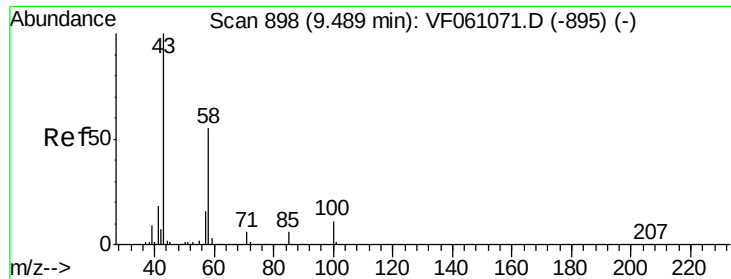
Tgt Ion: 63 Resp: 49472

Ion Ratio Lower Upper

63 100

106 29.9 19.8 29.8#





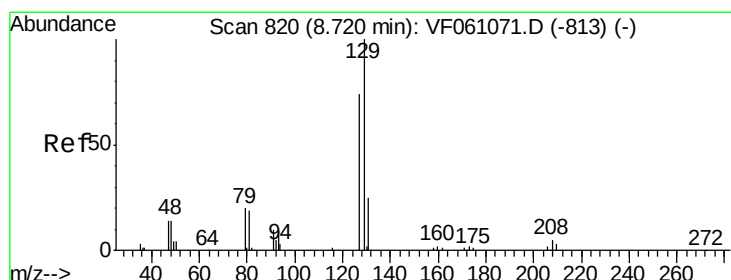
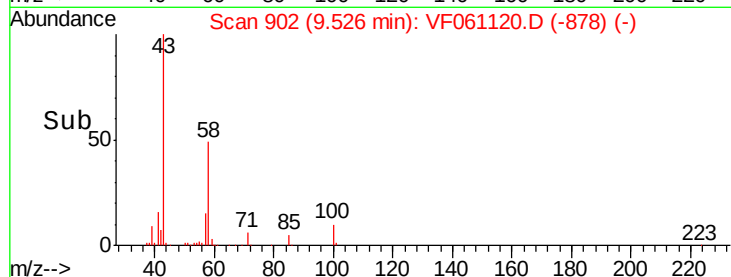
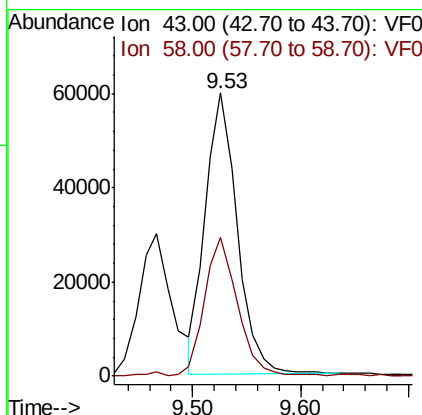
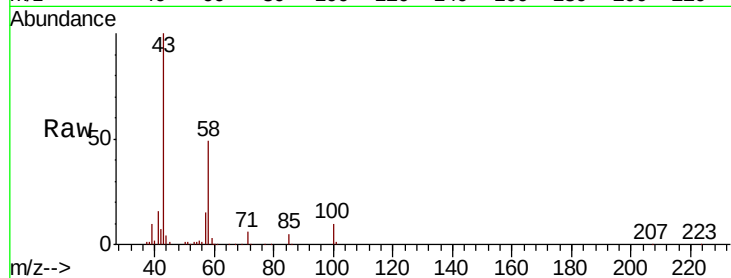
#59
2-Hexanone
Concen: 111.081 ug/l
RT: 9.53 min Scan# 902
Delta R.T. 0.04 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion: 43 Resp: 122370
Ion Ratio Lower Upper
43 100
58 49.1 25.1 75.2

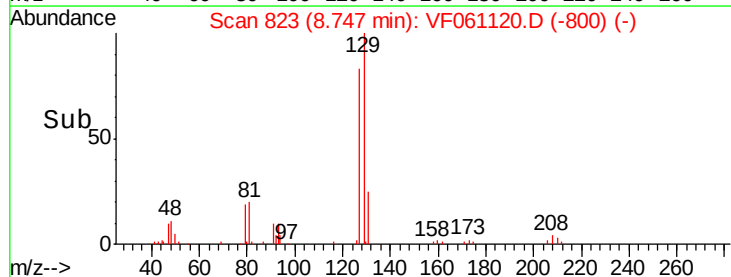
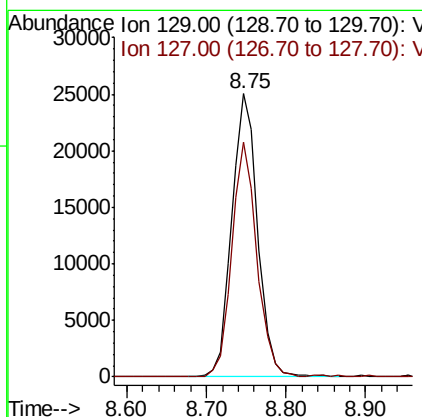
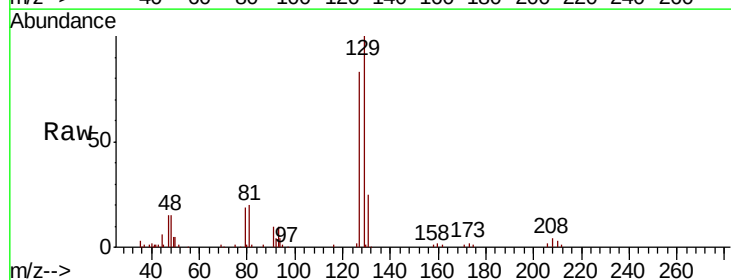
Manual Integrations
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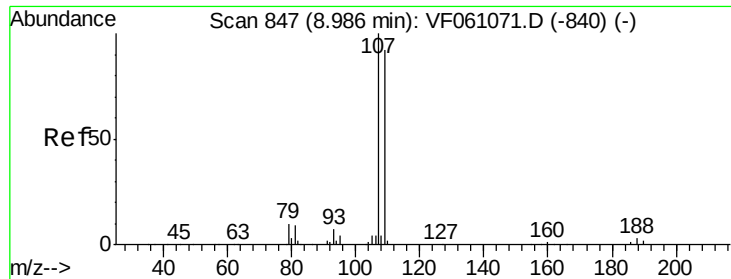
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#60
Dibromochloromethane
Concen: 20.211 ug/l
RT: 8.75 min Scan# 823
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion: 129 Resp: 56875
Ion Ratio Lower Upper
129 100
127 83.1 36.8 110.3





#61

1,2-Dibromoethane

Concen: 20.371 ug/l

RT: 9.02 min Scan# 851

Delta R.T. 0.04 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

Tgt Ion: 107 Resp: 42710

Ion Ratio Lower Upper

107 100

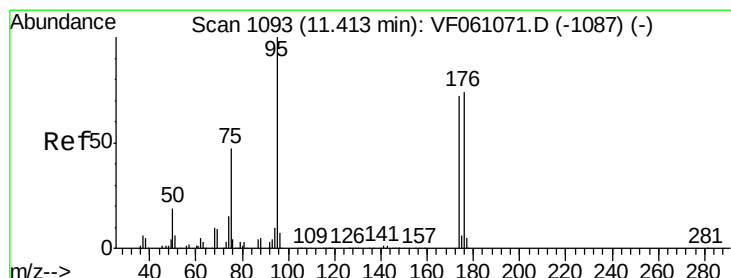
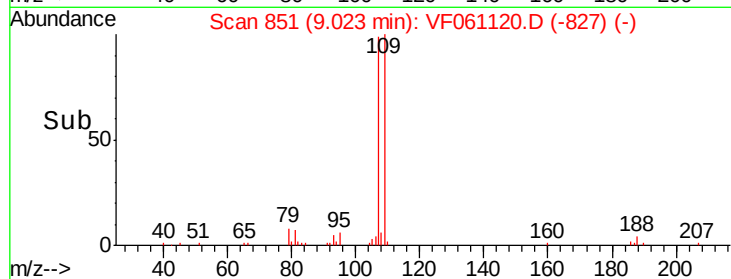
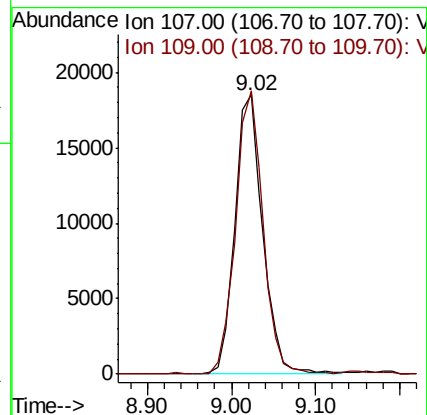
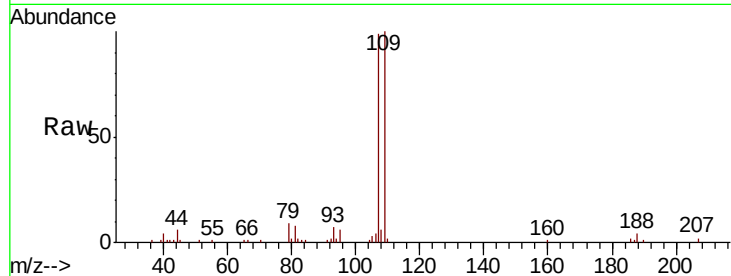
109 101.5 73.7 110.5

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#62

4-Bromofluorobenzene

Concen: 47.360 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

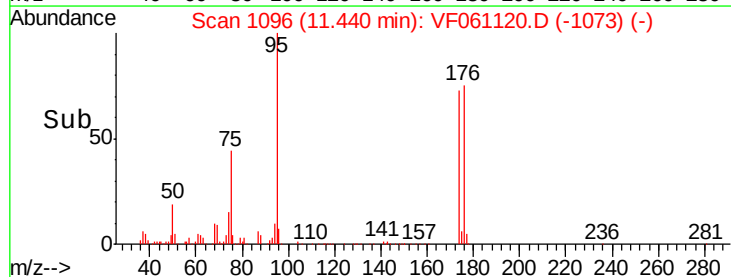
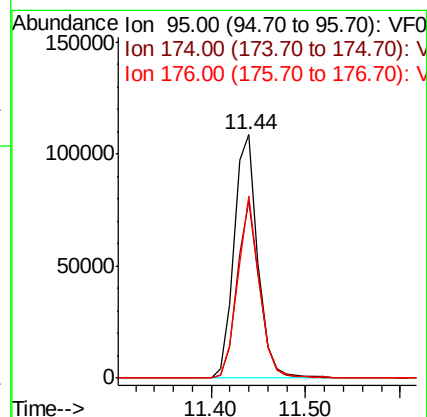
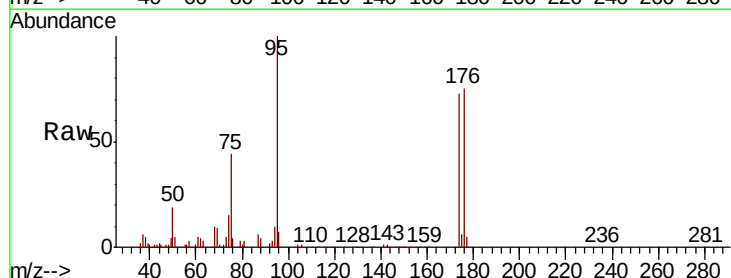
Tgt Ion: 95 Resp: 188887

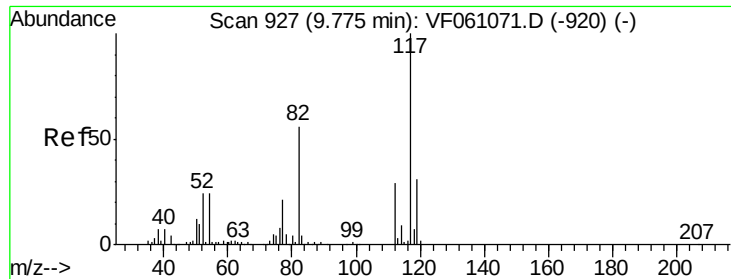
Ion Ratio Lower Upper

95 100

174 72.6 0.0 143.8

176 74.6 0.0 147.6





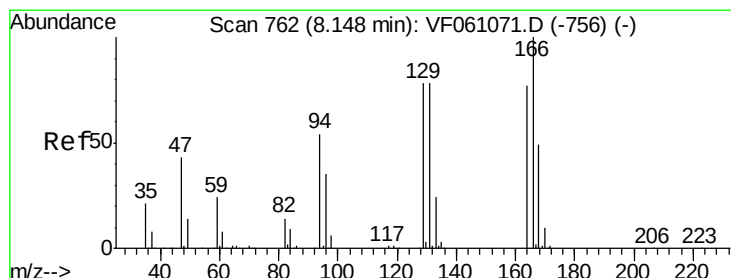
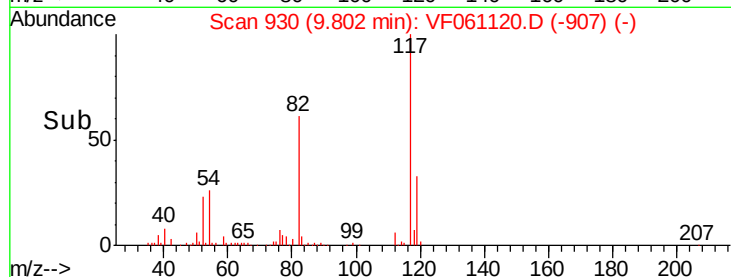
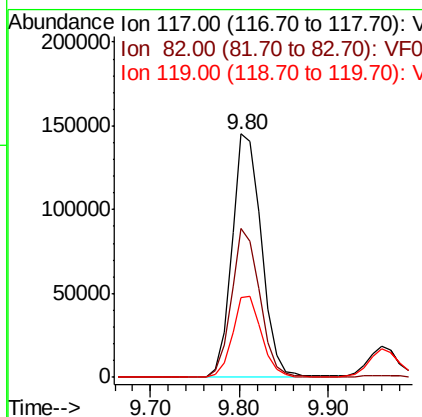
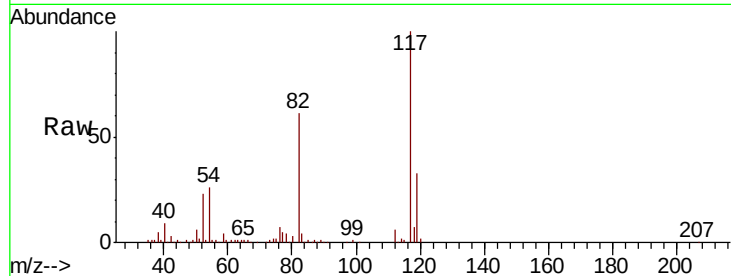
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	336823		
82	61.1	45.0	67.4	
119	32.7	24.8	37.2	

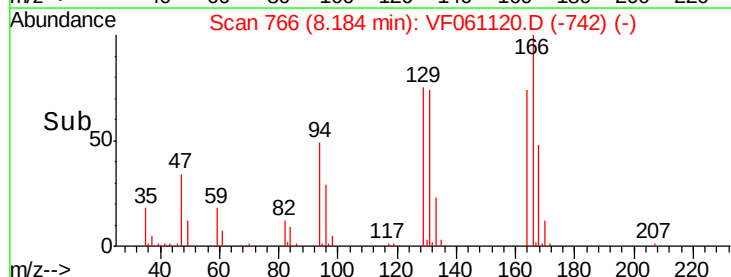
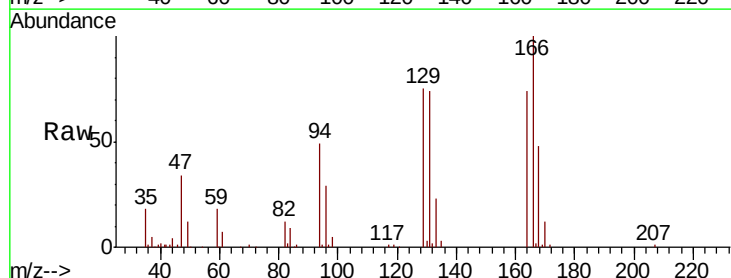
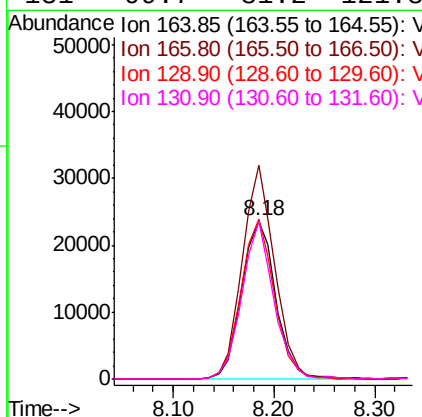
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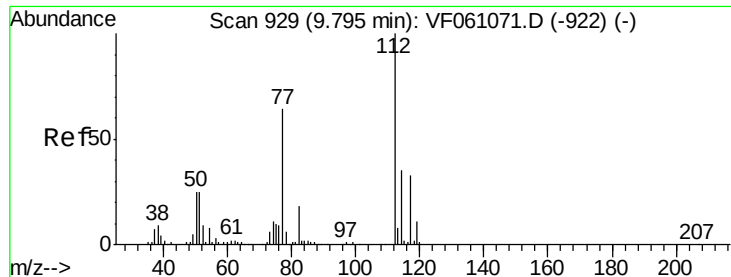
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#64
Tetrachloroethene
Concen: 21.494 ug/l
RT: 8.18 min Scan# 766
Delta R.T. 0.04 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55691		
166	135.6	104.0	156.0	
129	101.9	81.1	121.7	
131	99.7	81.2	121.8	





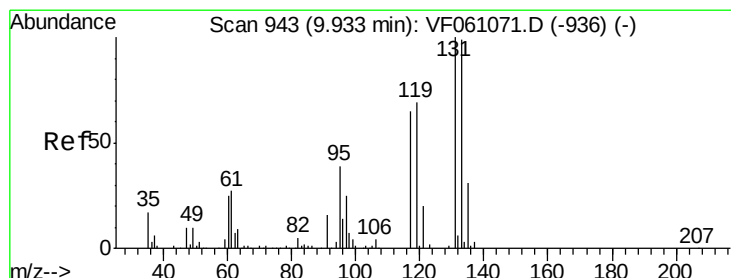
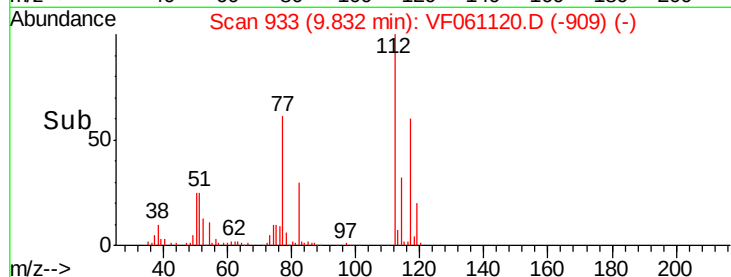
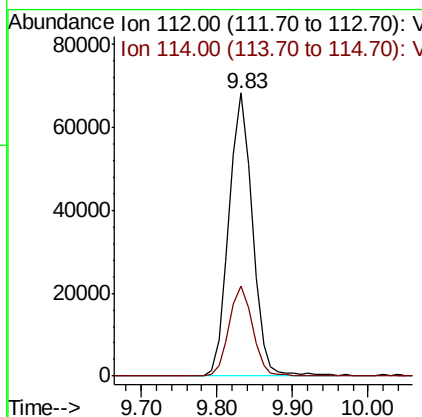
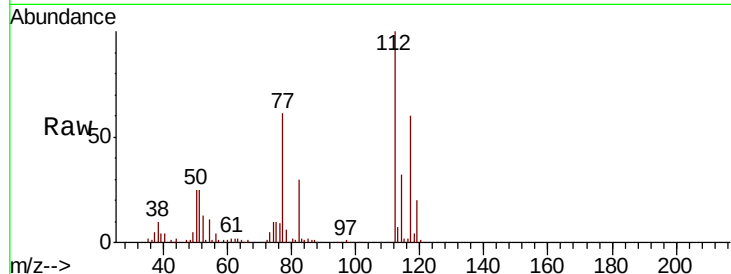
#65
Chlorobenzene
Concen: 21.177 ug/l
RT: 9.83 min Scan# 933
Delta R.T. 0.04 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion:112 Resp: 147356
Ion Ratio Lower Upper
112 100
114 31.6 27.8 41.6

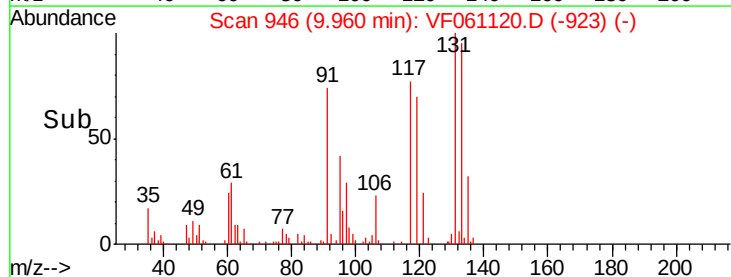
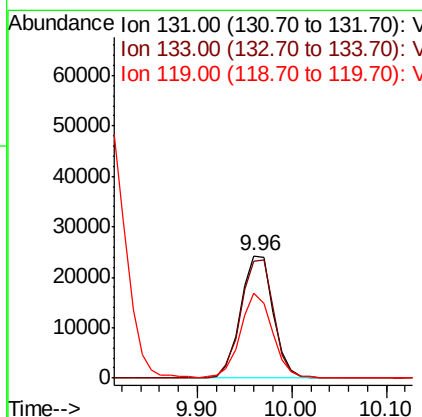
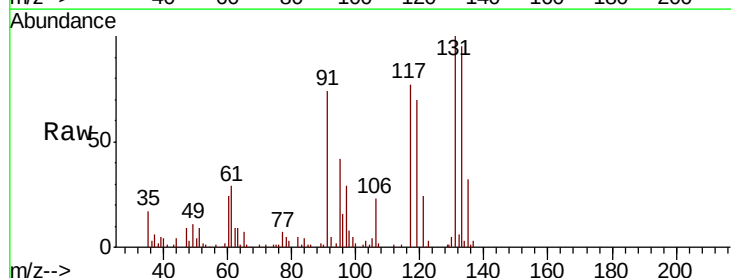
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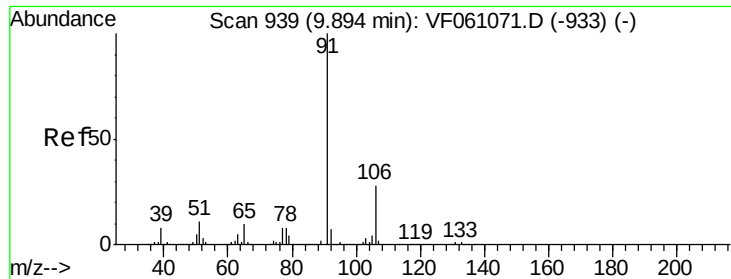
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.458 ug/l
RT: 9.96 min Scan# 946
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion:131 Resp: 58173
Ion Ratio Lower Upper
131 100
133 95.4 49.5 148.7
119 70.0 34.5 103.5





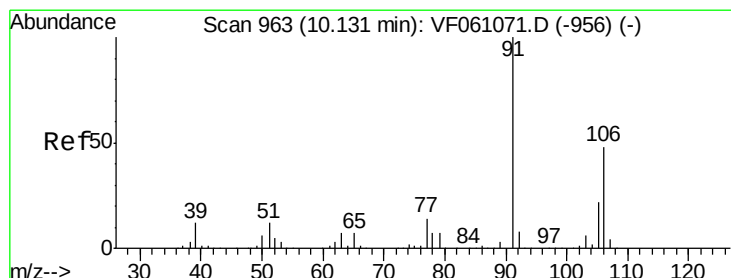
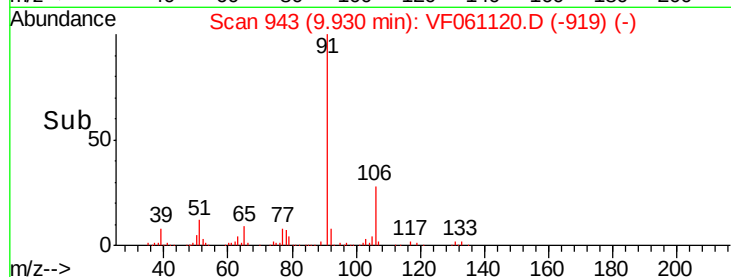
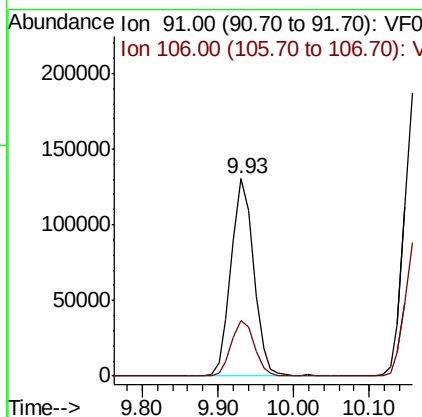
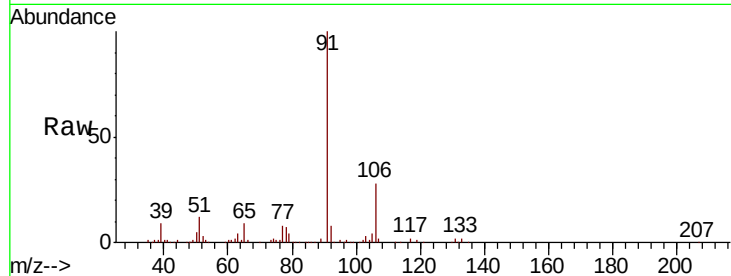
#67
Ethyl Benzene
Concen: 21.489 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.04 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion: 91 Resp: 272407
Ion Ratio Lower Upper
91 100
106 28.2 22.5 33.7

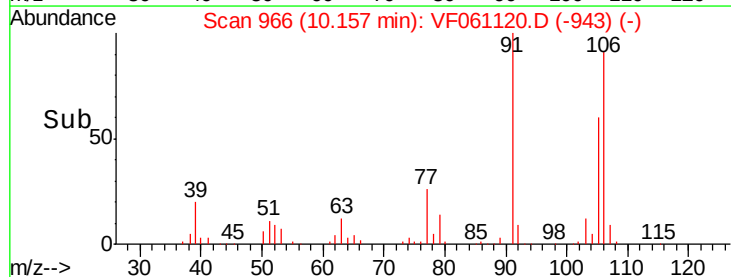
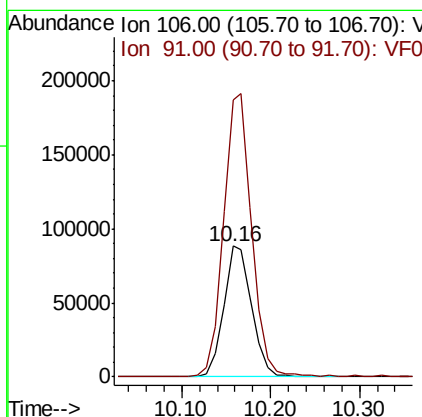
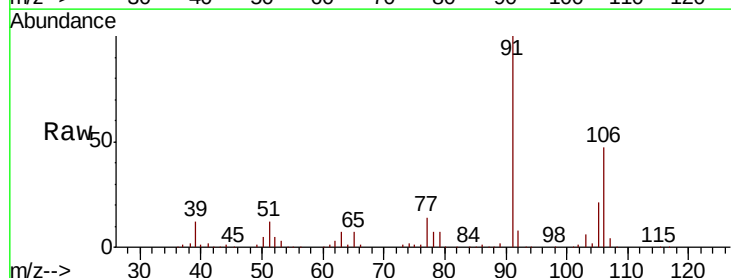
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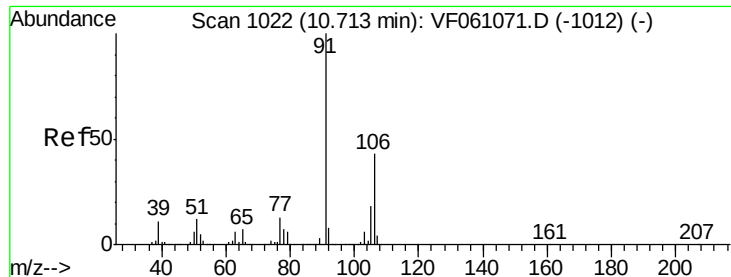
MMDadoda
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#68
m/p-Xylenes
Concen: 43.873 ug/l
RT: 10.16 min Scan# 966
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion: 106 Resp: 195727
Ion Ratio Lower Upper
106 100
91 211.6 168.2 252.2





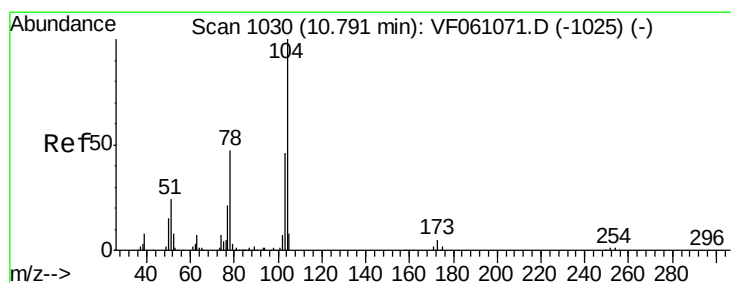
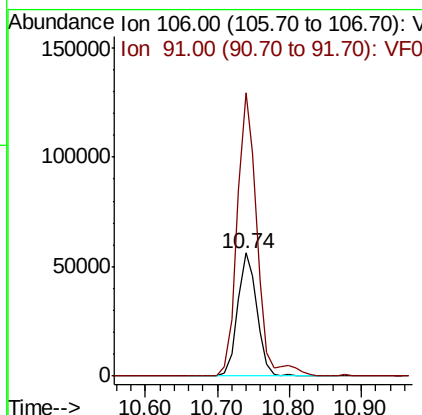
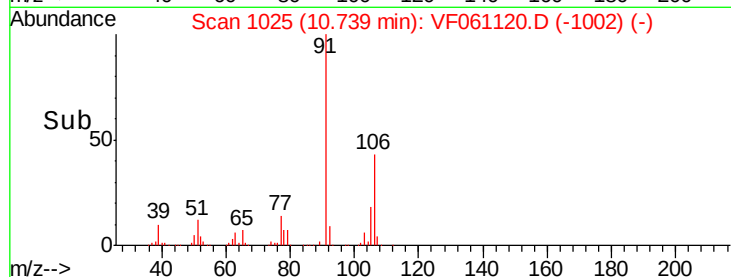
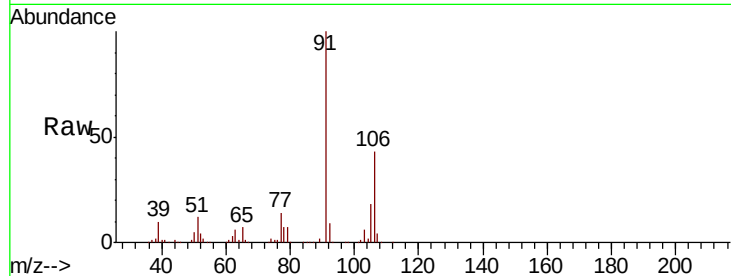
#69
o-Xylene
Concen: 21.401 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion:106 Resp: 105889
Ion Ratio Lower Upper
106 100
91 229.9 115.9 347.7

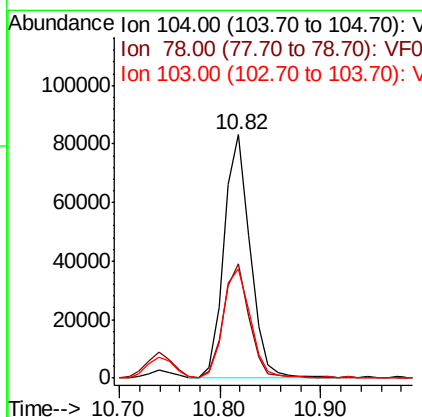
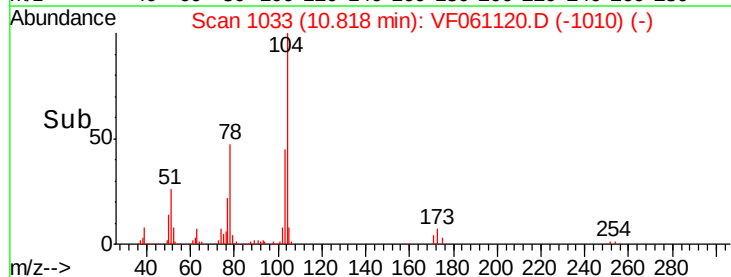
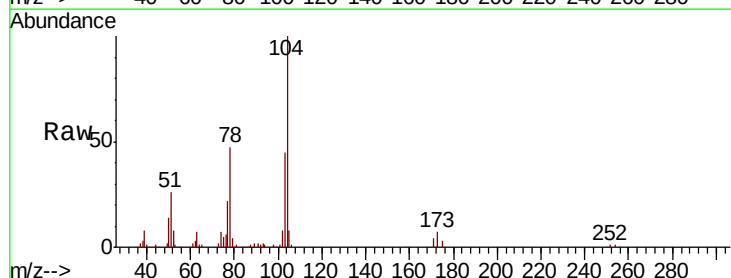
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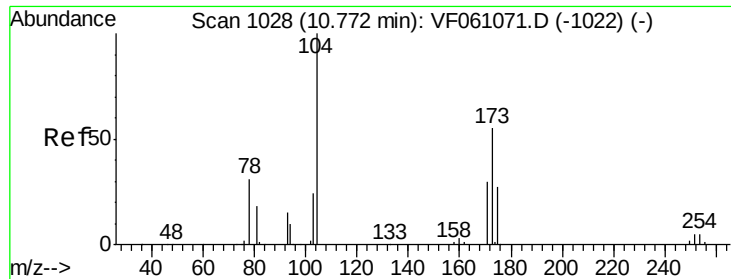
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#70
Styrene
Concen: 21.972 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion:104 Resp: 148975
Ion Ratio Lower Upper
104 100
78 46.9 38.4 57.6
103 45.0 37.0 55.6





#71

Bromoform

Concen: 21.626 ug/l

RT: 10.80 min Scan# 1031

Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

Tgt Ion:173 Resp: 28451

Ion Ratio Lower Upper

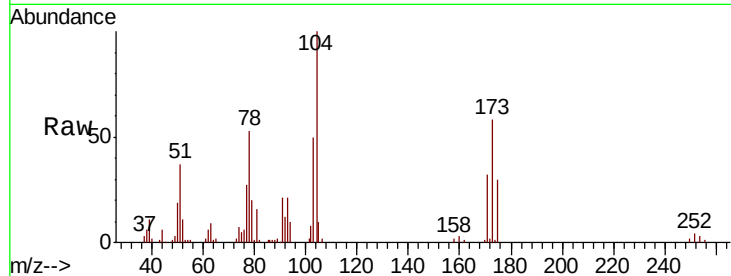
173 100

175 50.5 24.8 74.4

254 5.8 0.0 0.0#

Manual Integrations
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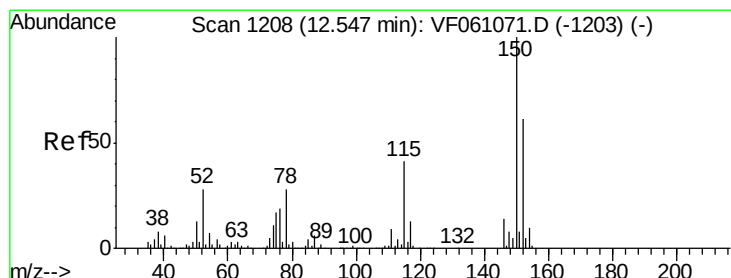
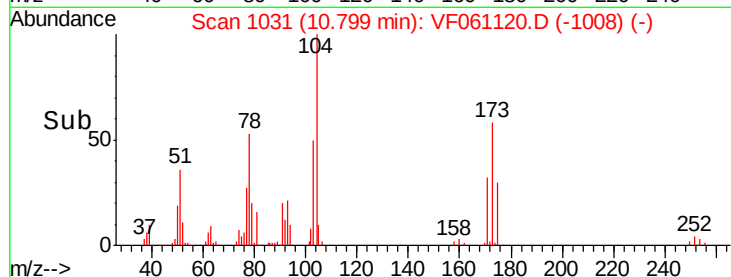
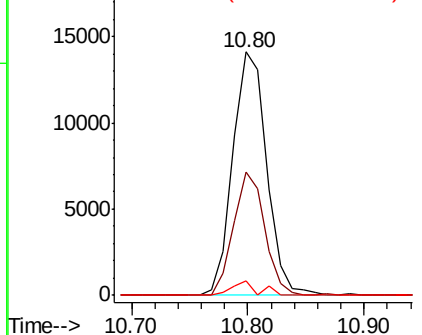
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

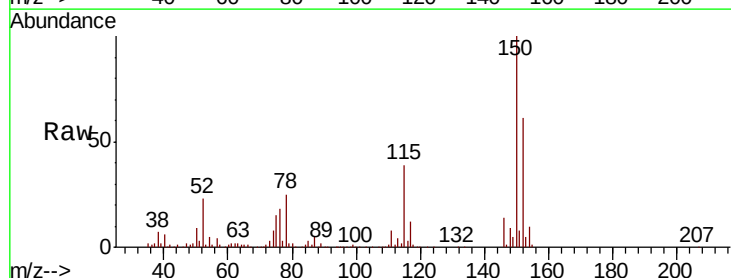
Tgt Ion:152 Resp: 161252

Ion Ratio Lower Upper

152 100

115 63.1 33.3 99.9

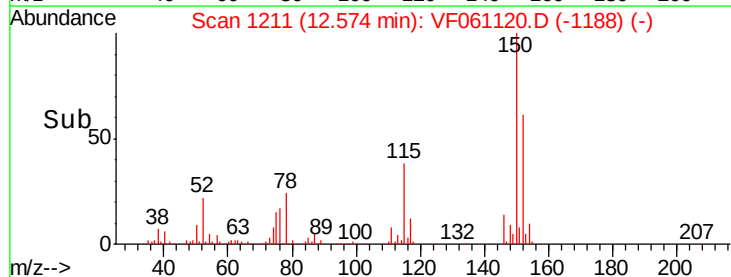
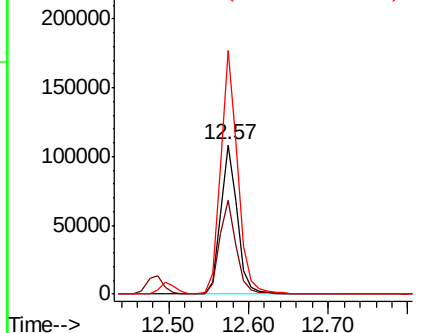
150 162.9 0.0 328.2

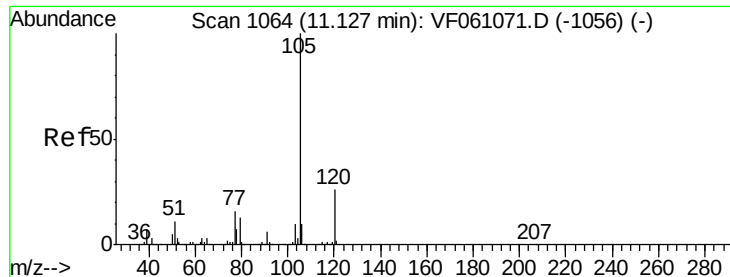


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





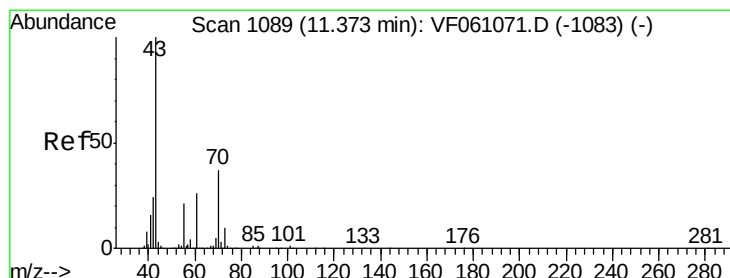
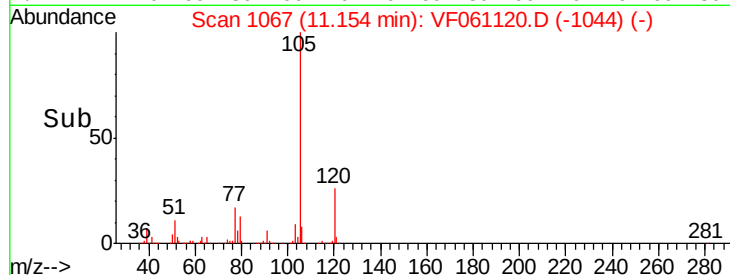
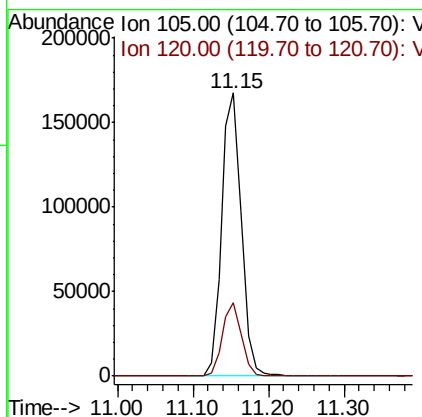
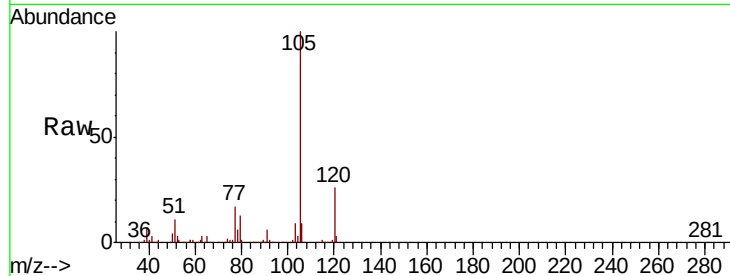
#73
Isopropylbenzene
Concen: 21.852 ug/l
RT: 11.15 min Scan# 1067
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	39.0

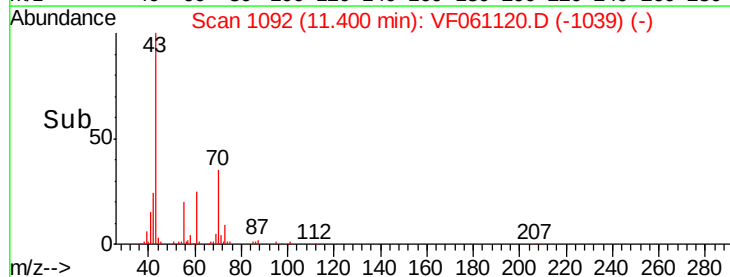
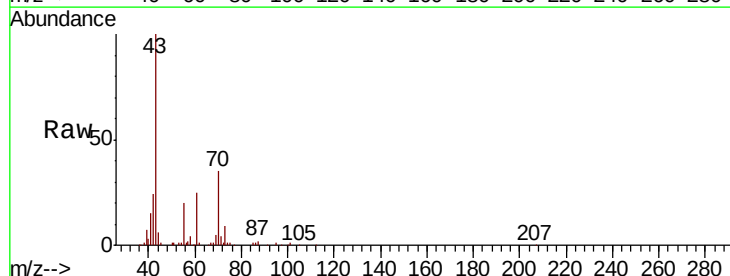
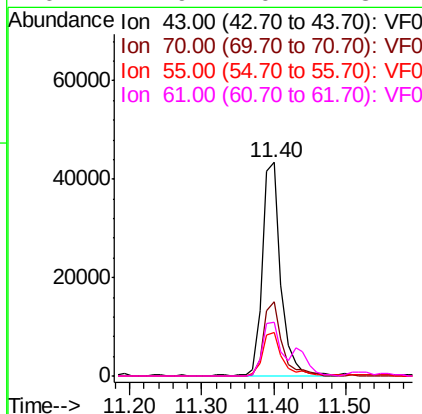
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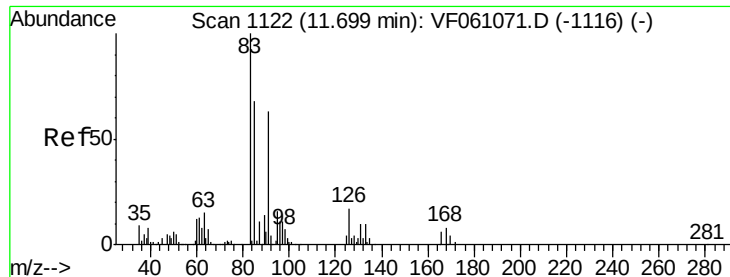
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#74
N-ethyl acetate
Concen: 25.255 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.9	29.2	43.8
55	20.5	16.5	24.7
61	24.9	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 24.111 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.02 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

Tgt Ion: 83 Resp: 55607
Ion Ratio Lower Upper

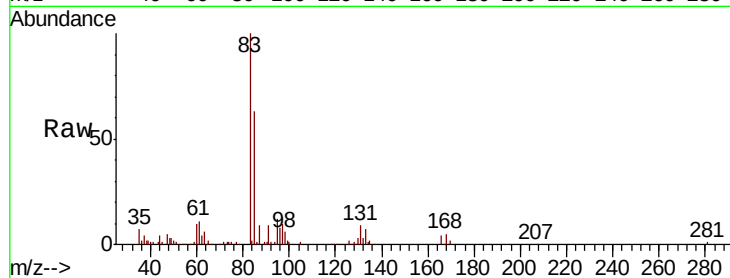
83 100

131 8.6 4.8 14.3

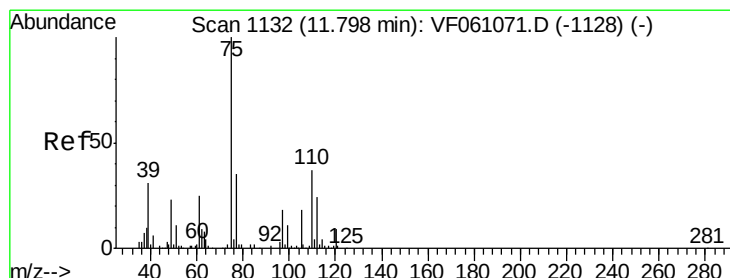
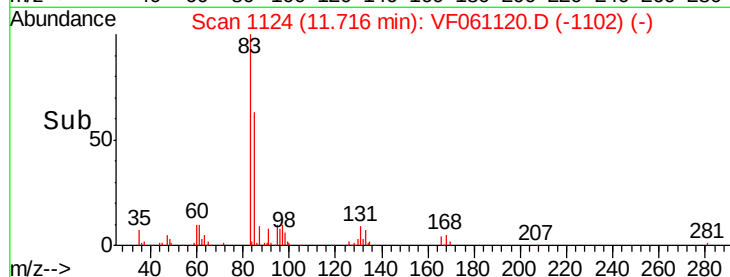
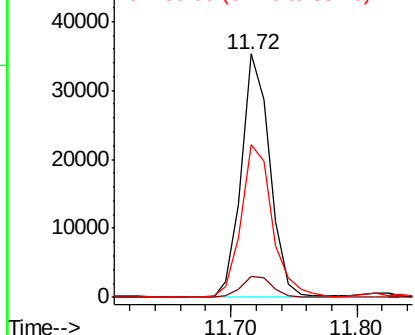
85 62.7 33.9 101.6

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 22.009 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.02 min

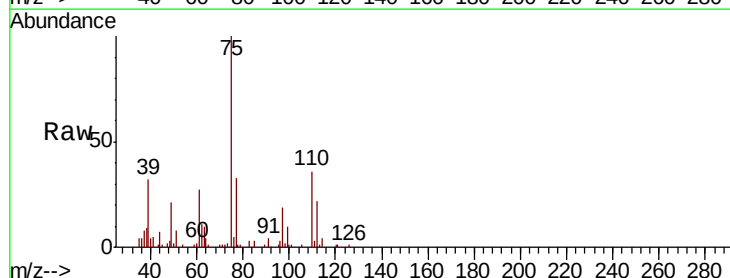
Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

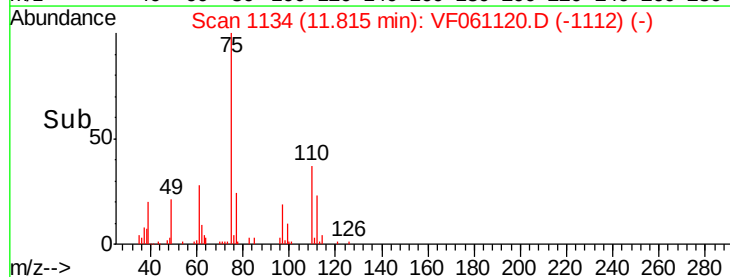
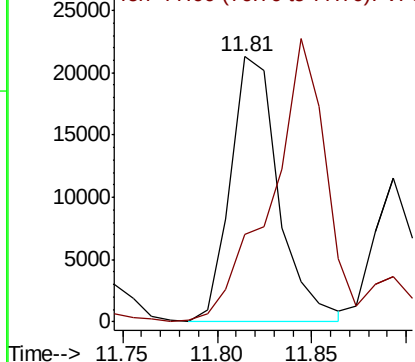
Tgt Ion: 75 Resp: 37775
Ion Ratio Lower Upper

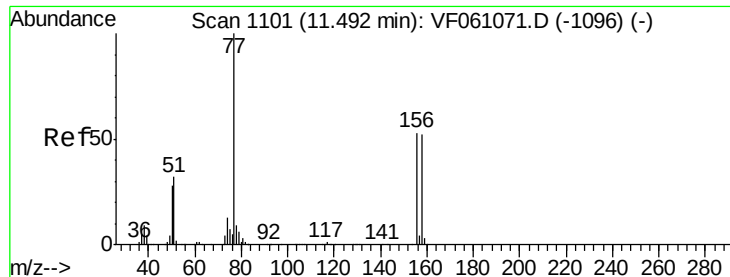
75 100

77 33.0 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.561 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

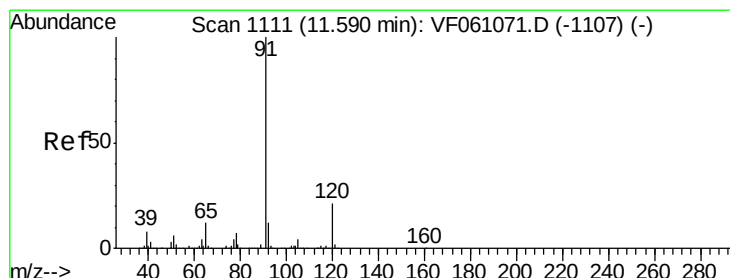
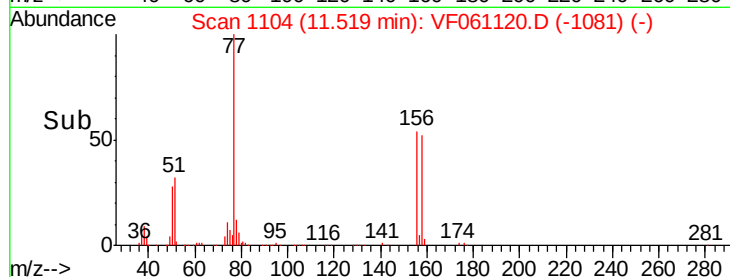
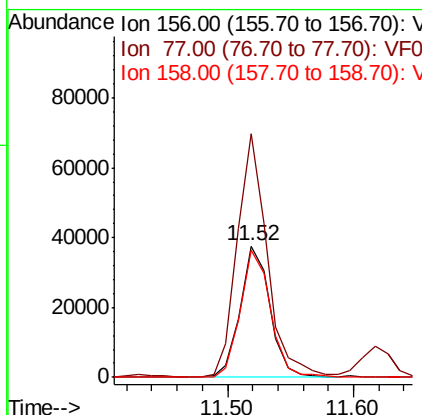
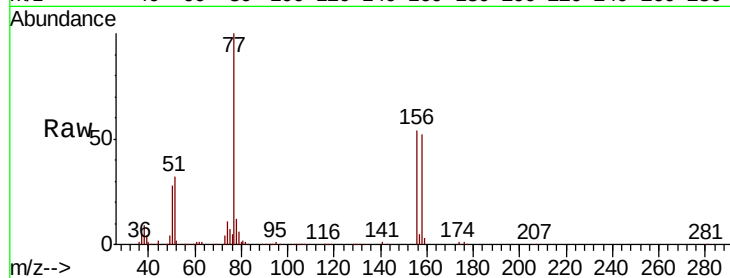
ClientSampleId :

VF1221SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	185.8	93.8	281.4
158	96.6	48.9	146.8

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#78

n-propylbenzene

Concen: 20.393 ug/l

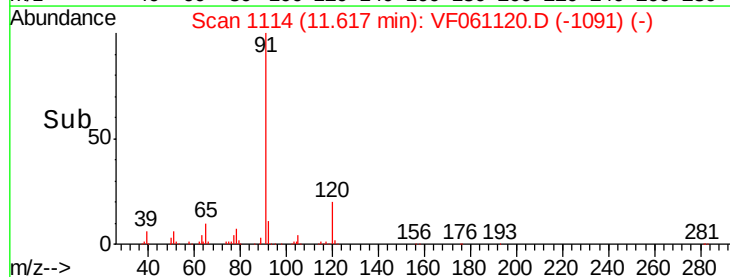
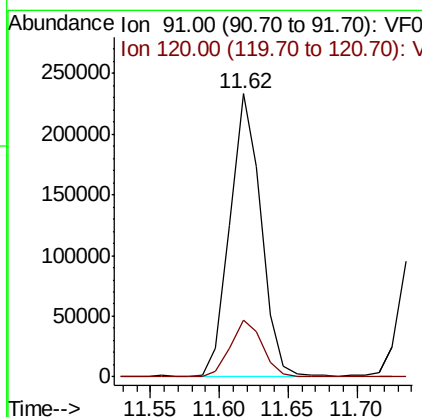
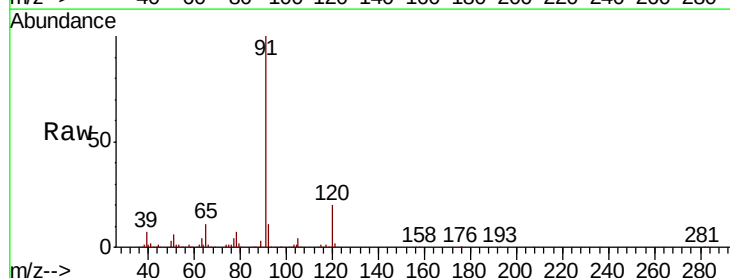
RT: 11.62 min Scan# 1114

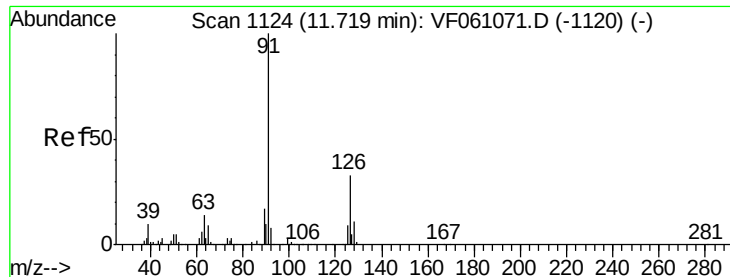
Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.4	31.2





#79

2-Chlorotoluene

Concen: 22.122 ug/l

RT: 11.75 min Scan# 1127

Delta R.T. 0.03 min

Lab File: VF061120.D

Acq: 21 Dec 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF1221SBS01

Tgt Ion: 91 Resp: 210882

Ion Ratio Lower Upper

91 100

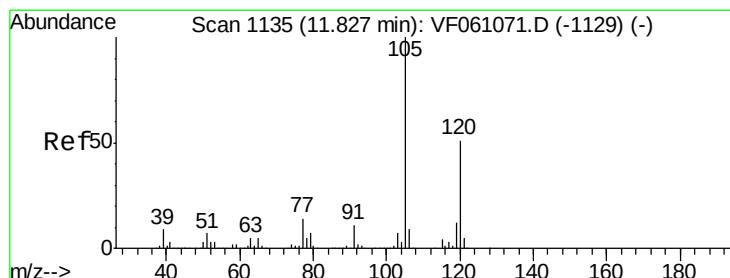
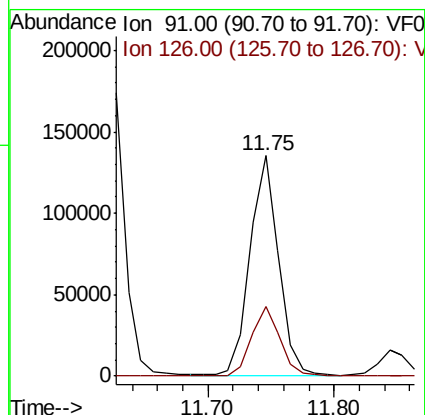
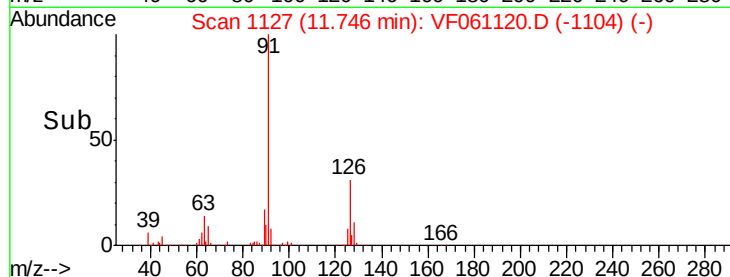
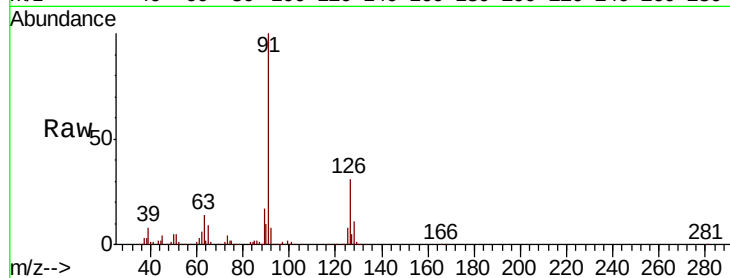
126 31.4 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.157 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. 0.02 min

Lab File: VF061120.D

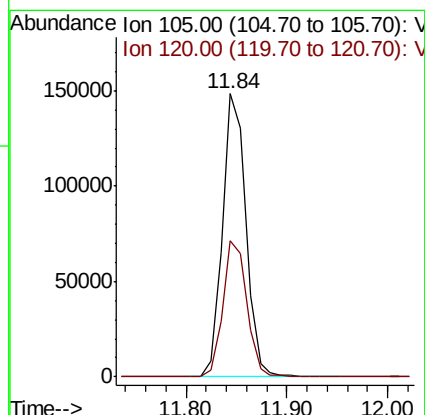
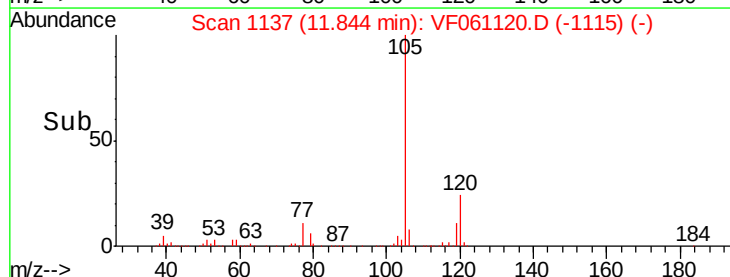
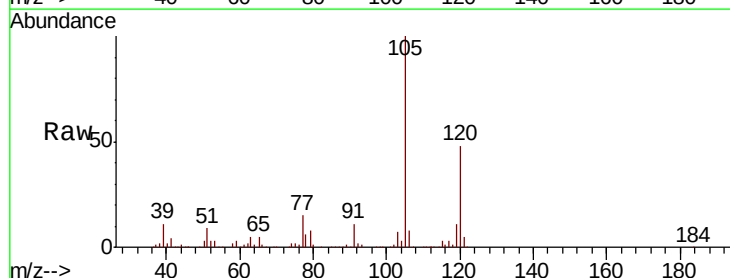
Acq: 21 Dec 2018 12:24

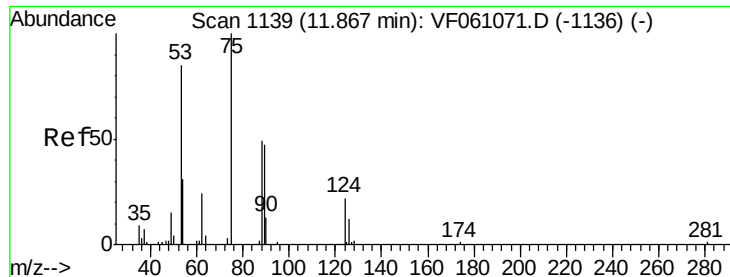
Tgt Ion: 105 Resp: 242083

Ion Ratio Lower Upper

105 100

120 48.0 25.4 76.4





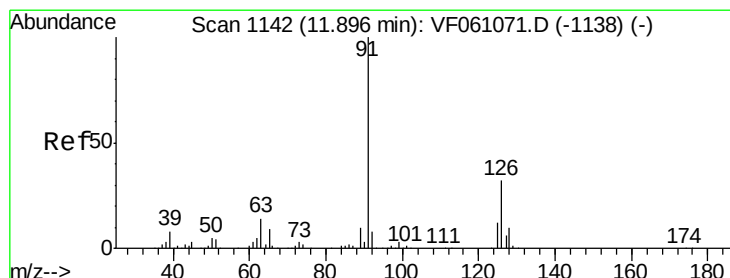
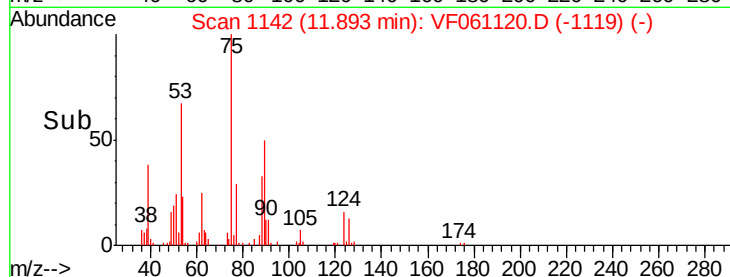
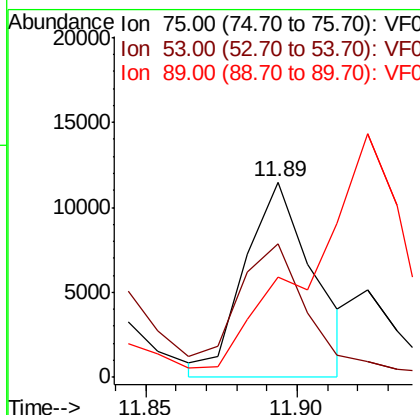
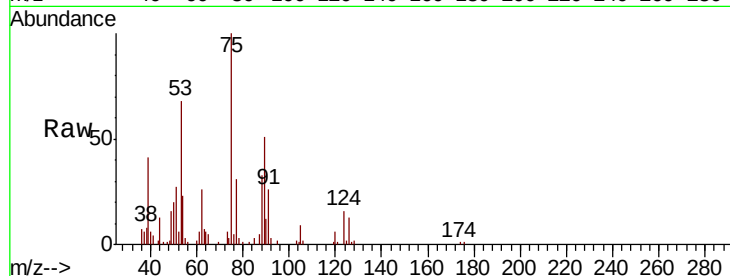
#81
trans-1,4-Dichloro-2-butene
Concen: 24.661 ug/l m
RT: 11.89 min Scan# 1142
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	68.3	74.1	111.1#
89	51.1	42.6	64.0

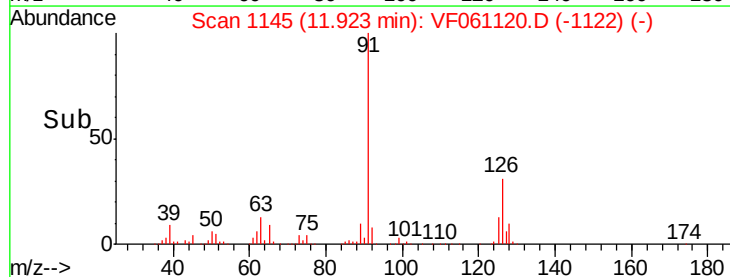
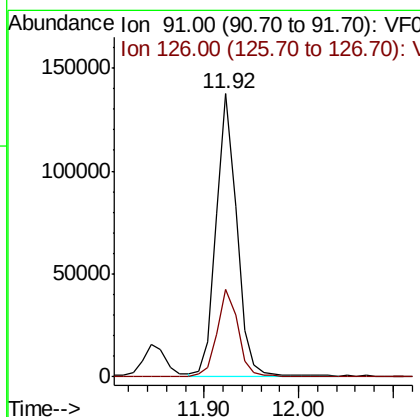
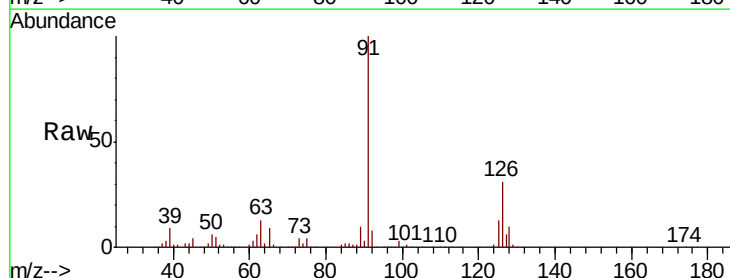
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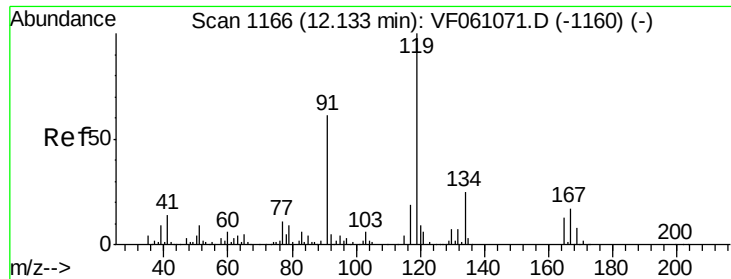
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#82
4-Chlorotoluene
Concen: 21.015 ug/l
RT: 11.92 min Scan# 1145
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	16.0	47.9





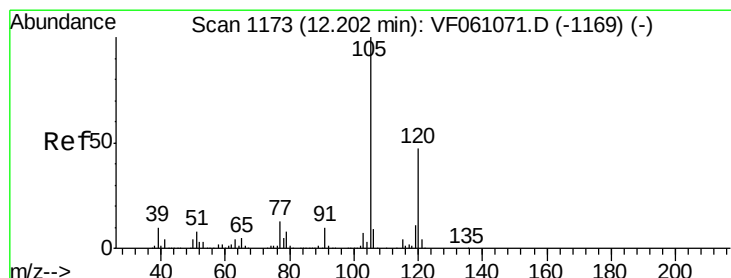
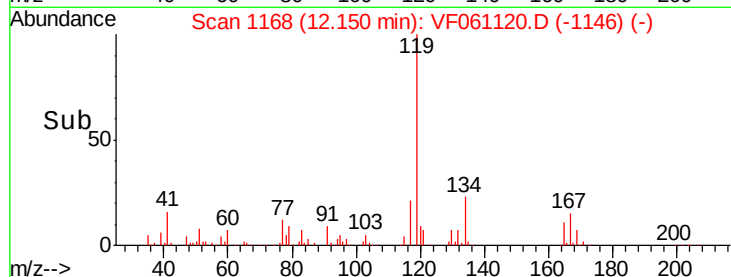
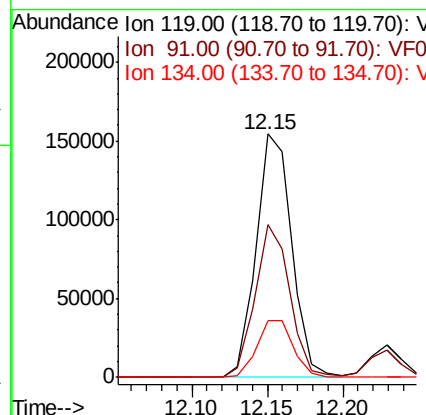
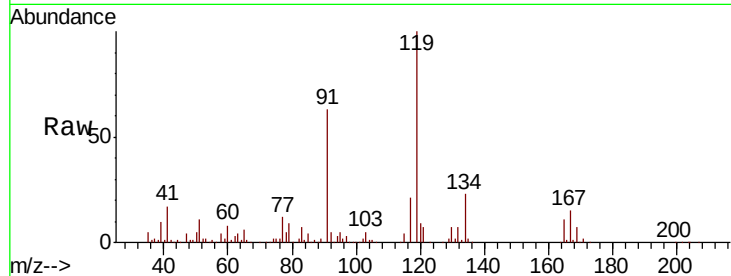
#83
 tert-Butylbenzene
 Concen: 21.614 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. 0.02 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	254496		
91	63.0	30.5	91.5	
134	23.2	12.4	37.4	

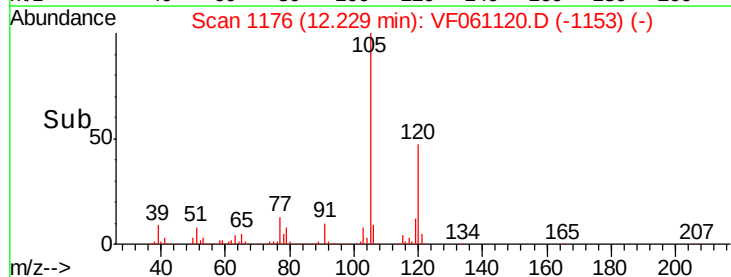
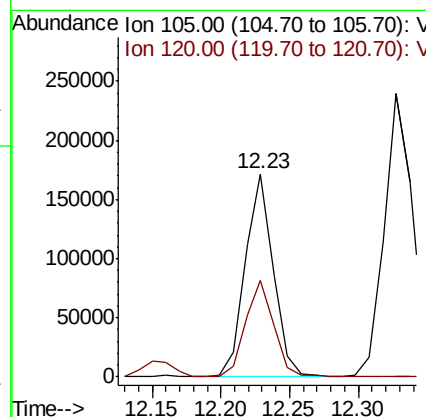
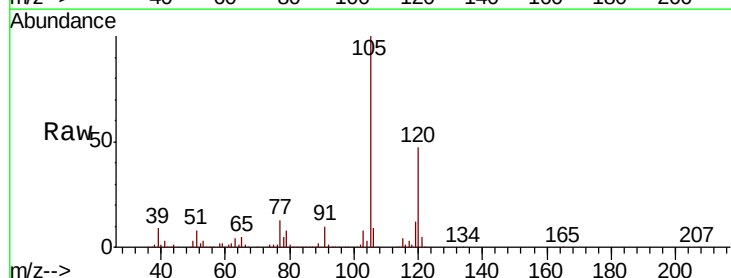
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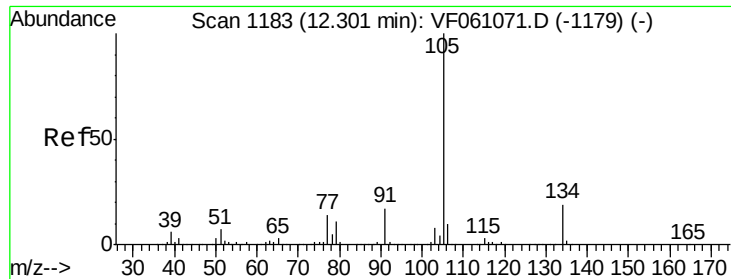
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.458 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. 0.03 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	244844		
120	47.4	23.6	71.0	





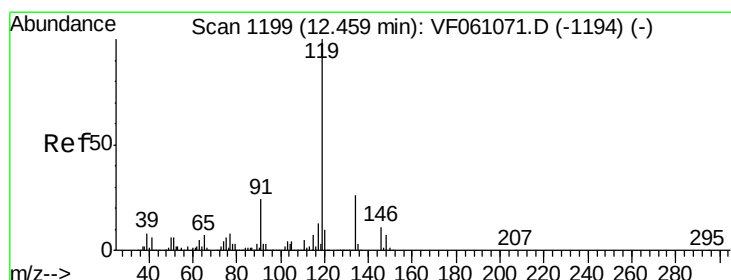
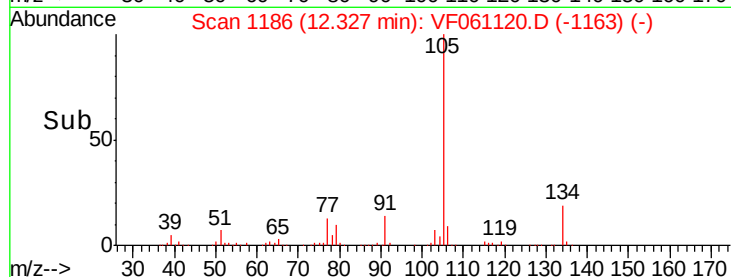
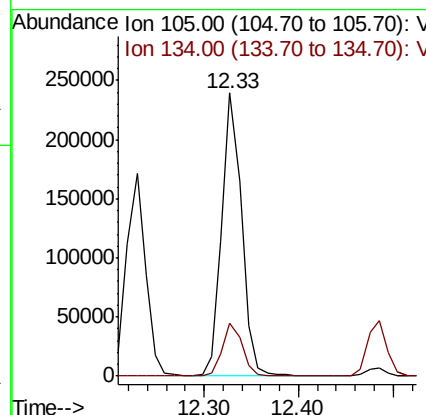
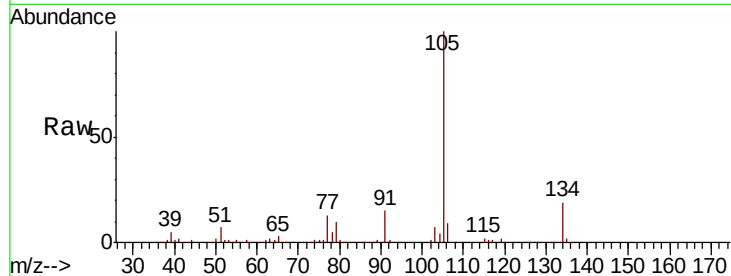
#85
 sec-Butylbenzene
 Concen: 22.720 ug/l
 RT: 12.33 min Scan# 1186
 Delta R.T. 0.03 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	349100		
134	18.6	9.4	28.2	

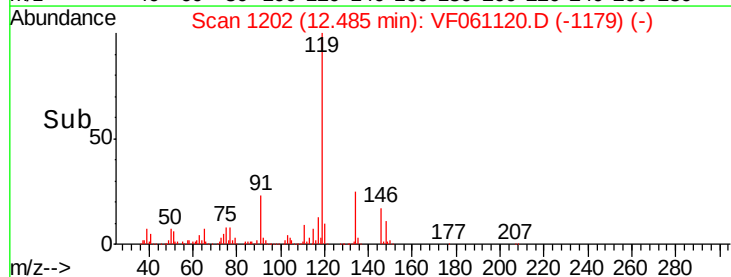
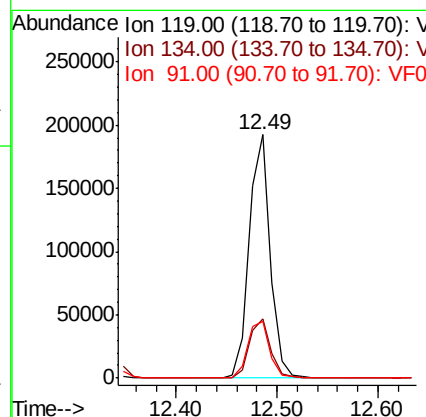
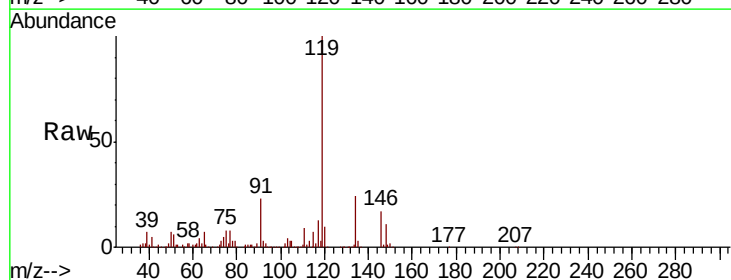
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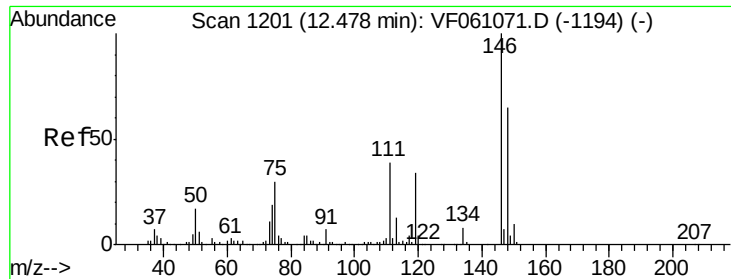
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#86
 p-Isopropyltoluene
 Concen: 21.985 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.03 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	280405		
134	24.5	12.8	38.4	
91	23.2	12.2	36.6	





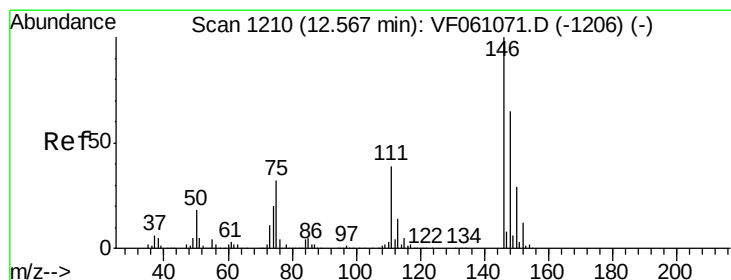
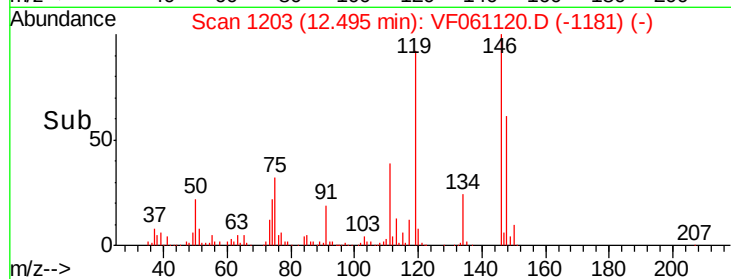
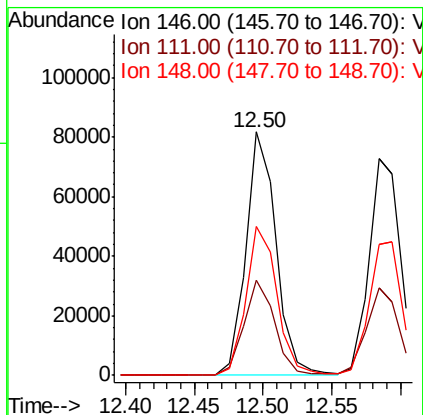
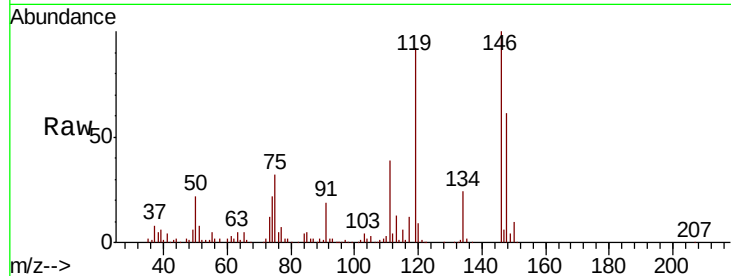
#87
 1,3-Dichlorobenzene
 Concen: 22.874 ug/l
 RT: 12.50 min Scan# 1203
 Delta R.T. 0.02 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.9
148	61.1	32.4	97.2

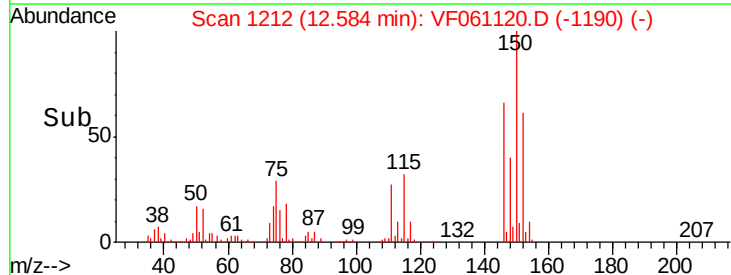
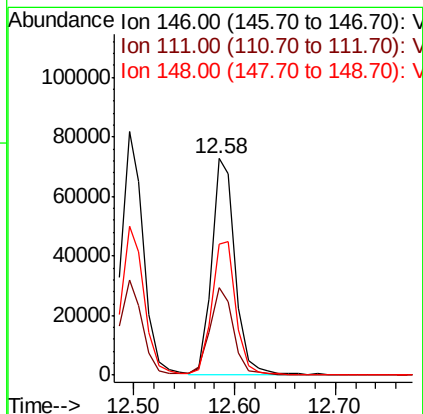
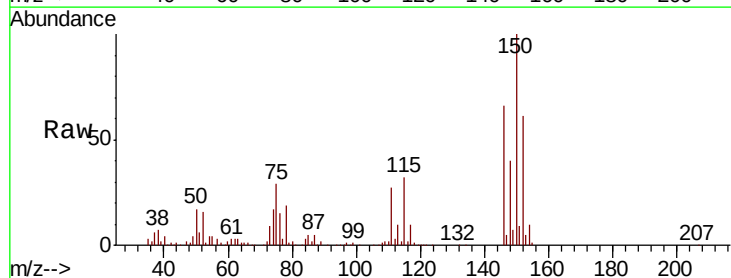
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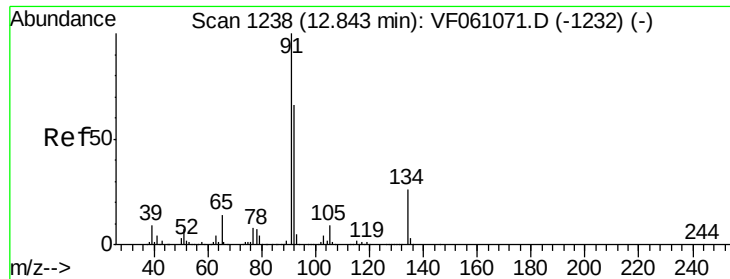
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#88
 1,4-Dichlorobenzene
 Concen: 21.606 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. 0.02 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.4	58.4
148	60.8	32.4	97.0





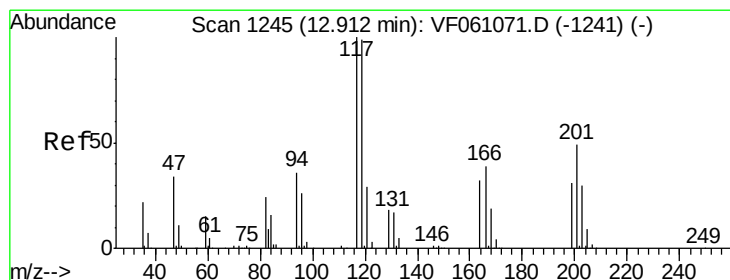
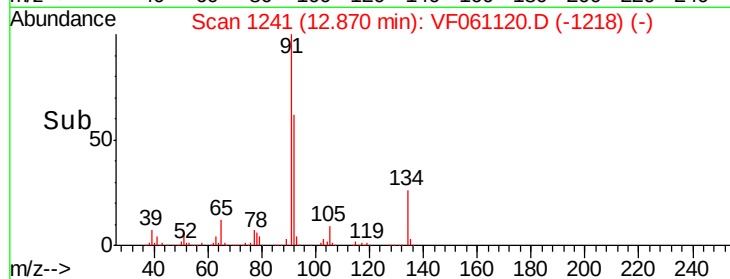
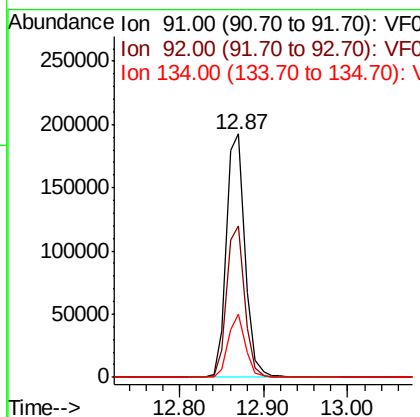
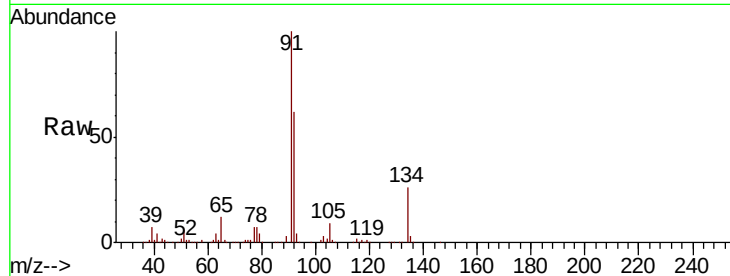
#89
n-Butylbenzene
Concen: 20.103 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.1	32.8	98.4
134	26.0	13.2	39.5

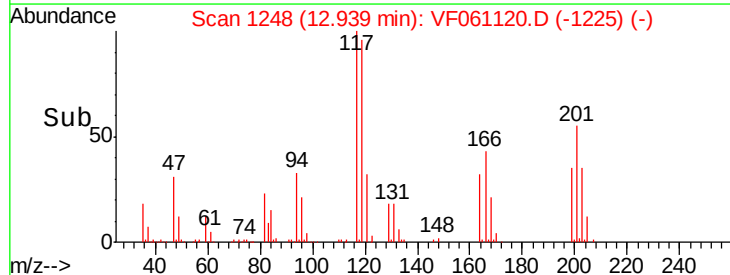
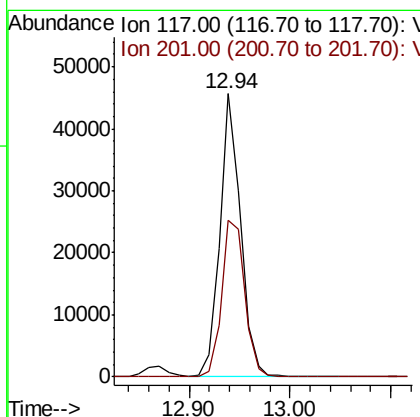
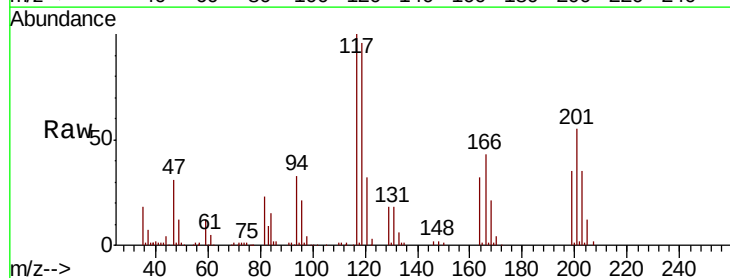
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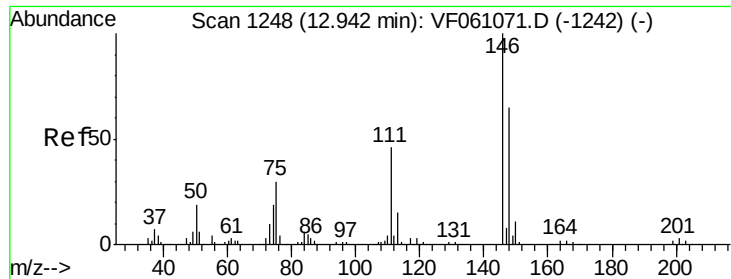
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#90
Hexachloroethane
Concen: 20.924 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	55.2	24.9	74.8





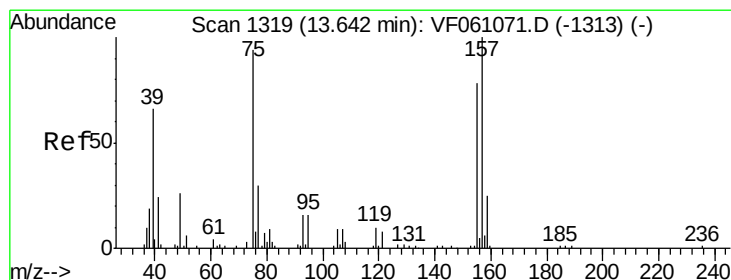
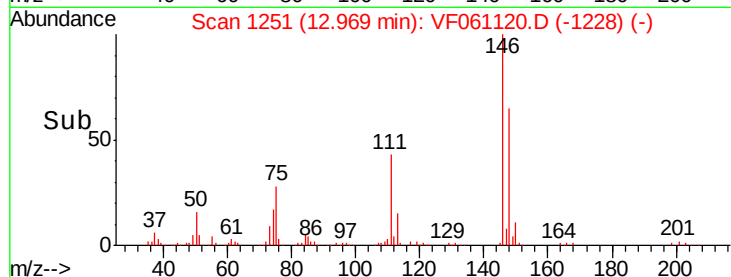
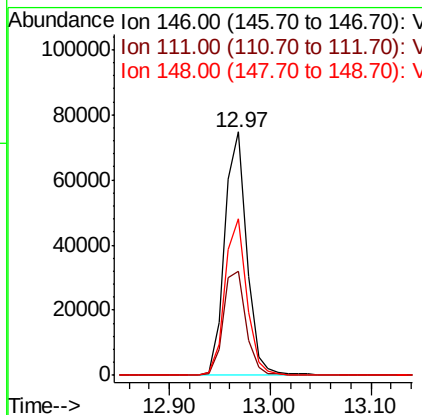
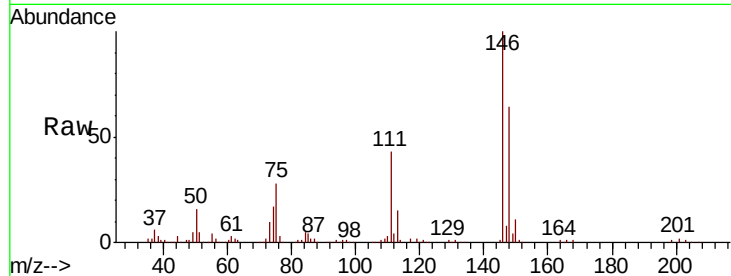
#91
 1,2-Dichlorobenzene
 Concen: 21.440 ug/l
 RT: 12.97 min Scan# 1251
 Delta R.T. 0.03 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1221SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114656		
111	42.8	23.2	69.5	
148	64.5	32.4	97.0	

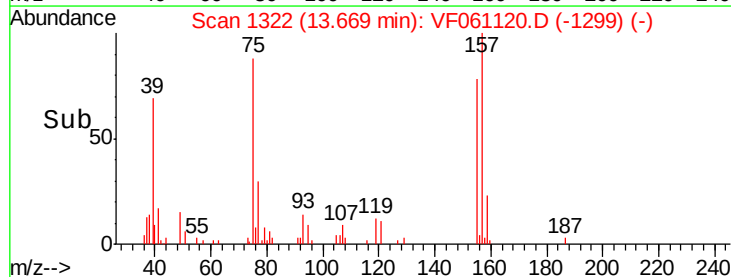
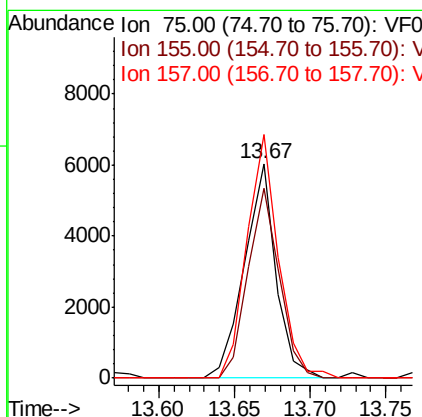
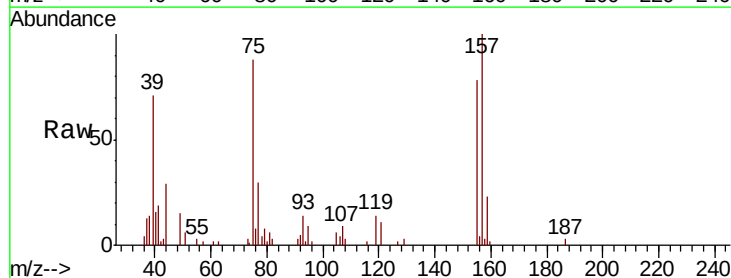
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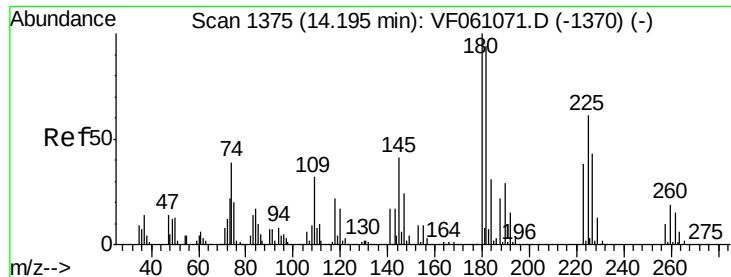
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.628 ug/l
 RT: 13.67 min Scan# 1322
 Delta R.T. 0.03 min
 Lab File: VF061120.D
 Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8730		
155	88.7	41.5	124.5	
157	113.7	53.2	159.6	





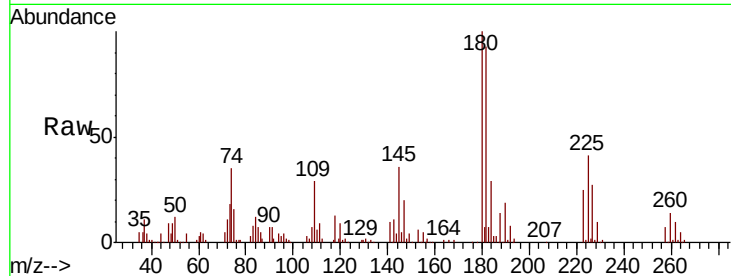
#93
1,2,4-Trichlorobenzene
Concen: 21.617 ug/l
RT: 14.22 min Scan# 1378
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

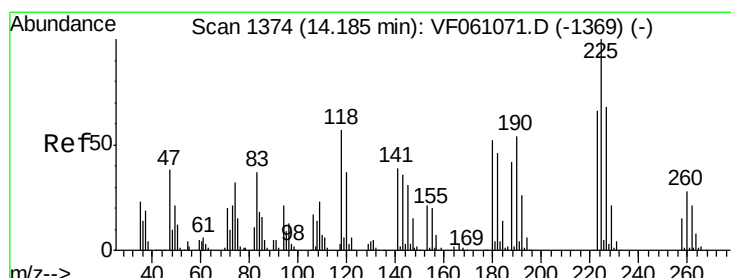
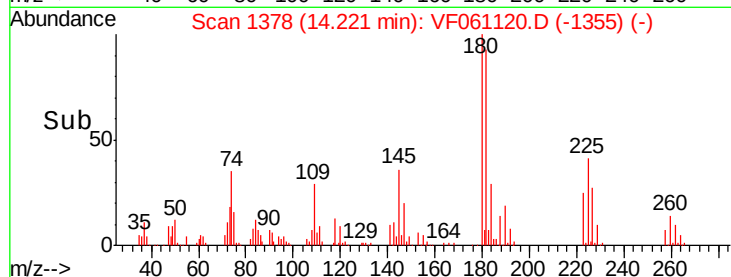
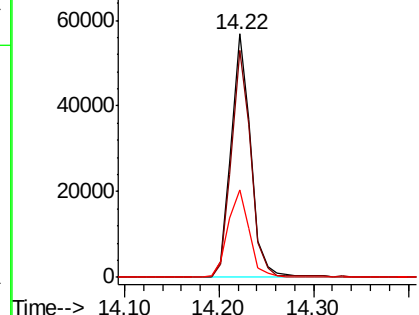
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	81985		
182	93.4	46.9	140.6	
145	35.8	20.5	61.6	

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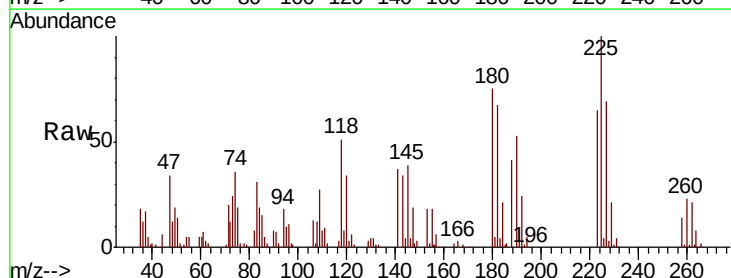


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

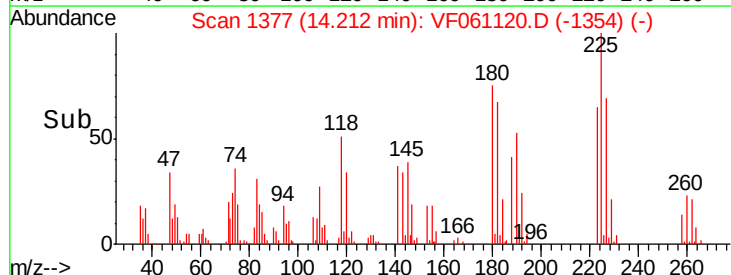
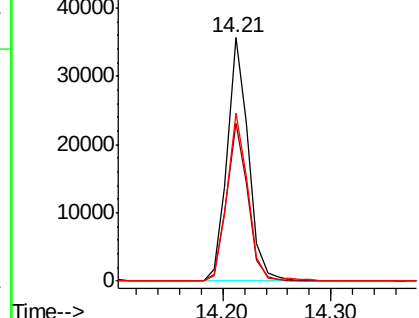


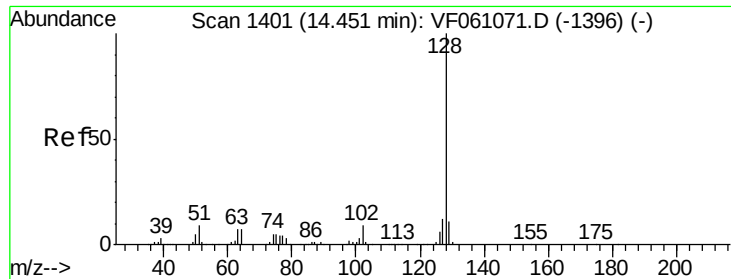
#94
Hexachlorobutadiene
Concen: 20.212 ug/l
RT: 14.21 min Scan# 1377
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48822		
223	64.9	32.8	98.3	
227	69.0	34.0	101.8	



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





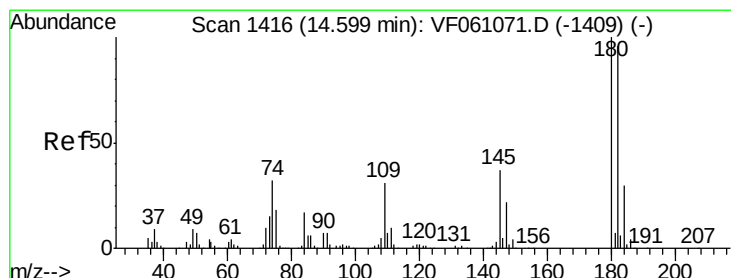
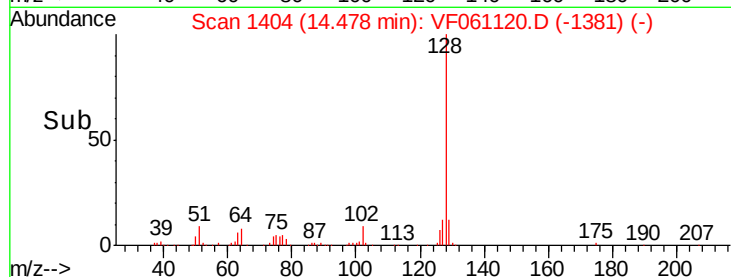
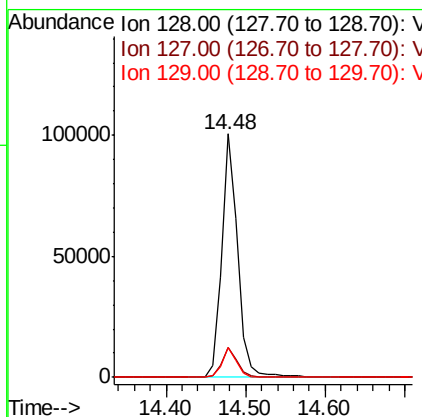
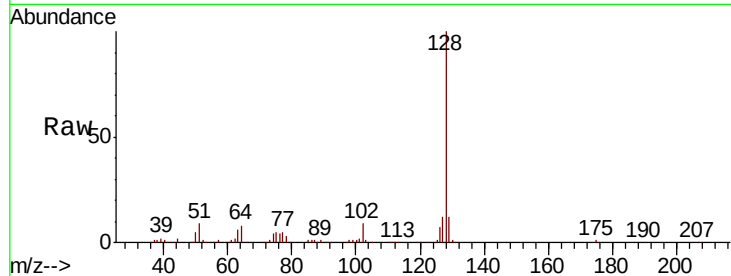
#95
Naphthalene
Concen: 20.651 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF1221SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	143012		
127	12.4		9.4	14.2
129	12.3		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:51:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.166 ug/l
RT: 14.63 min Scan# 1419
Delta R.T. 0.03 min
Lab File: VF061120.D
Acq: 21 Dec 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	74209		
182	95.2		47.9	143.8
145	33.9		18.6	55.8

