

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051019\
 Data File : VF062418.D
 Acq On : 10 May 2019 12:47
 Operator : FY/SY
 Sample : VF0510SBSD01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD01

Quant Time: May 10 13:45:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	333987	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	432139	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	366707	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	238625	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	174499	55.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.58%	
35) Dibromofluoromethane	4.31	113	190160	55.23	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.46%	
50) Toluene-d8	7.71	98	423997	50.88	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.50	95	196836	52.35	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.70%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.01	85	86598	22.404 ug/l	95
3) Chloromethane	1.15	50	51896	20.357 ug/l	98
4) Vinyl Chloride	1.19	62	53837	21.172 ug/l	93
5) Bromomethane	1.39	94	45902	22.545 ug/l	96
6) Chloroethane	1.44	64	27166	21.250 ug/l	92
7) Trichlorofluoromethane	1.56	101	119927	22.731 ug/l	98
8) Diethyl Ether	1.71	74	19394	24.294 ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.92	101	69936	23.219 ug/l	97
10) Methyl Iodide	1.98	142	114174	23.002 ug/l	99
11) Tert butyl alcohol	2.70	59	14375	80.584 ug/l	99
12) 1,1-Dichloroethene	1.87	96	52644	20.559 ug/l	93
13) Acrolein	2.11	56	11069	86.585 ug/l #	78
14) Allyl chloride	2.20	41	80676	35.666 ug/l	98
15) Acrylonitrile	3.09	53	34729	102.776 ug/l	93
16) Acetone	2.35	43	75379	118.056 ug/l	94
17) Carbon Disulfide	1.92	76	119139	21.338 ug/l	97
18) Methyl Acetate	2.47	43	28404	22.682 ug/l	94
19) Methyl tert-butyl Ether	2.56	73	107229	20.286 ug/l	93
20) Methylene Chloride	2.33	84	55001	23.809 ug/l	95
21) trans-1,2-Dichloroethene	2.43	96	50057	20.518 ug/l	86
22) Diisopropyl ether	2.94	45	143318	20.273 ug/l	97
23) Vinyl Acetate	3.36	43	316322	100.393 ug/l	99
24) 1,1-Dichloroethane	3.02	63	95247	22.292 ug/l	96
25) 2-Butanone	4.53	43	81675	101.818 ug/l	99
26) 2,2-Dichloropropane	3.77	77	57081	23.923 ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	63308	20.759 ug/l	94
28) Bromochloromethane	3.91	49	37612	19.410 ug/l	100
29) Tetrahydrofuran	4.28	42	32414	87.921 ug/l	97
30) Chloroform	4.06	83	127039	22.008 ug/l	94
31) Cyclohexane	3.90	56	71585	20.990 ug/l	97
32) 1,1,1-Trichloroethane	4.30	97	115149	23.275 ug/l	97
36) 1,1-Dichloropropene	4.48	75	83491	22.491 ug/l	97
37) Ethyl Acetate	4.30	43	33430	19.960 ug/l #	99
38) Carbon Tetrachloride	4.19	117	127152	32.023 ug/l #	96

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 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD01

Quant Time: May 10 13:45:12 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	82142	22.063	ug/l	93
40) Benzene	4.83	78	184862	22.614	ug/l	98
41) Methacrylonitrile	4.93	41	15416	17.319	ug/l #	83
42) 1,2-Dichloroethane	5.14	62	79073	23.128	ug/l	100
43) Isopropyl Acetate	7.12	43	36780	21.783	ug/l #	97
44) Trichloroethene	5.69	130	69981	23.304	ug/l	99
45) 1,2-Dichloropropane	6.41	63	42214	22.799	ug/l	94
46) Dibromomethane	6.27	93	33612	21.895	ug/l	99
47) Bromodichloromethane	6.56	83	88622	23.090	ug/l	95
48) Methyl methacrylate	6.89	41	26437	22.155	ug/l	97
49) 1,4-Dioxane	6.88	88	4684	373.485	ug/l	87
51) 4-Methyl-2-Pentanone	8.40	43	134855	105.400	ug/l	97
52) Toluene	7.78	92	111907	22.191	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	62577	21.556	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	76129	22.533	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	34851	21.770	ug/l	96
56) Ethyl methacrylate	8.76	69	33003	19.530	ug/l	97
57) 1,3-Dichloropropane	9.01	76	53147	21.978	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.46	63	53816	105.924	ug/l	97
59) 2-Hexanone	9.63	43	94867	107.210	ug/l	99
60) Dibromochloromethane	8.87	129	57905	22.116	ug/l	97
61) 1,2-Dibromoethane	9.13	107	39924	21.219	ug/l	94
64) Tetrachloroethene	8.31	164	64728	21.742	ug/l	96
65) Chlorobenzene	9.94	112	140647	23.181	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	70305	22.969	ug/l	97
67) Ethyl Benzene	10.03	91	248272	23.368	ug/l	99
68) m/p-Xylenes	10.27	106	184994	47.192	ug/l	98
69) o-Xylene	10.82	106	96628	22.812	ug/l	98
70) Styrene	10.90	104	144727	22.797	ug/l	99
71) Bromoform	10.89	173	36514	21.775	ug/l #	98
73) Isopropylbenzene	11.21	105	297490	21.029	ug/l	100
74) N-amyl acetate	11.45	43	60681	19.980	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	45049	20.338	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	33743	19.967	ug/l #	100
77) Bromobenzene	11.59	156	80781	21.758	ug/l	97
78) n-propylbenzene	11.68	91	331878	22.035	ug/l	100
79) 2-Chlorotoluene	11.80	91	199369	21.288	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	277752	22.400	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	18833	29.648	ug/l #	69
82) 4-Chlorotoluene	11.97	91	206500	22.325	ug/l	99
83) tert-Butylbenzene	12.20	119	282465	21.676	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	269477	22.208	ug/l	100
85) sec-Butylbenzene	12.37	105	341174	21.510	ug/l	99
86) p-Isopropyltoluene	12.53	119	326392	22.148	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	154222	22.744	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	143078	21.862	ug/l	99
89) n-Butylbenzene	12.90	91	307001	23.416	ug/l	99
90) Hexachloroethane	12.98	117	76769	20.864	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	144263	21.981	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	10194	20.543	ug/l	95

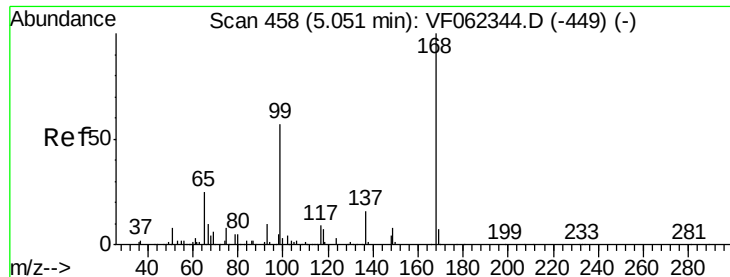
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF051019\
Data File : VF062418.D
Acq On : 10 May 2019 12:47
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	137369	23.335	ug/l	96
94) Hexachlorobutadiene	14.23	225	99456	22.667	ug/l	98
95) Naphthalene	14.50	128	179277	20.256	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	129865	22.771	ug/l	97

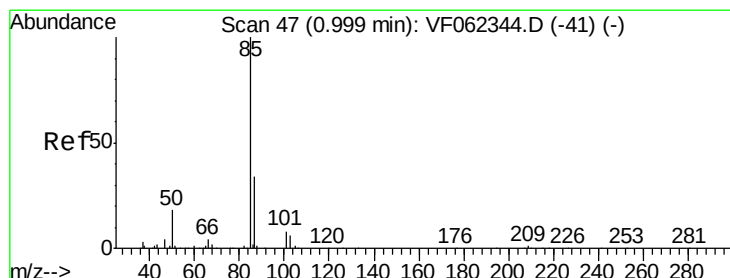
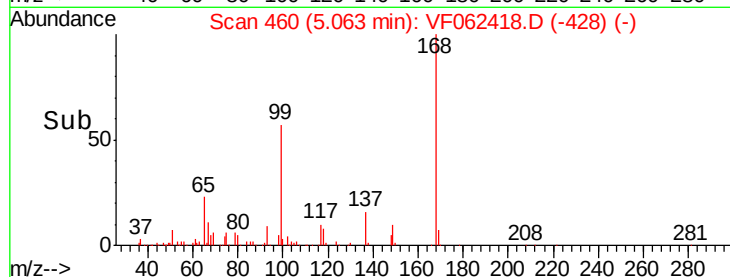
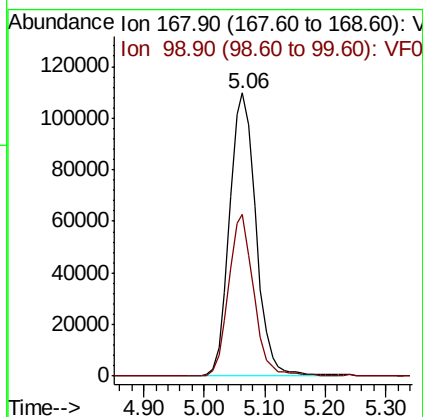
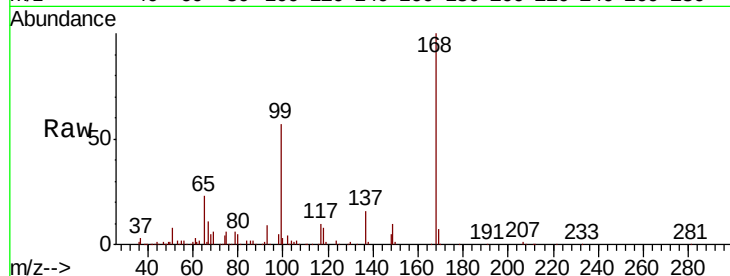
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.06 min Scan# 460
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

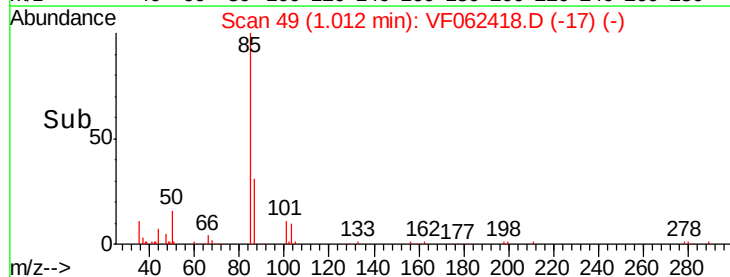
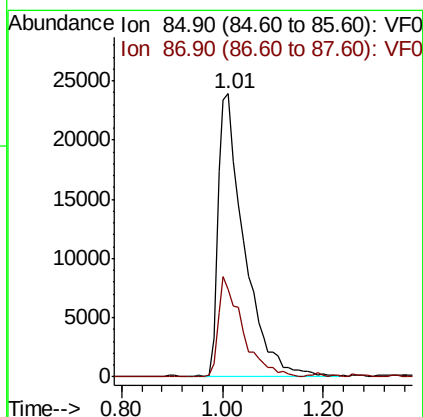
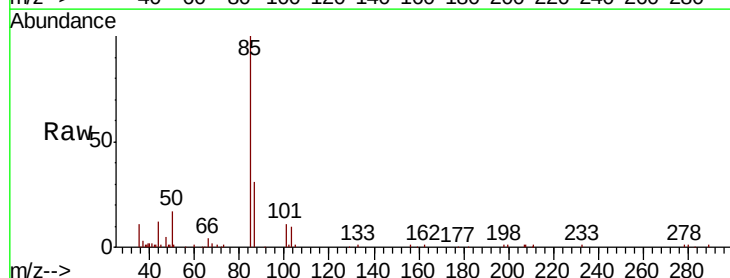
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD01

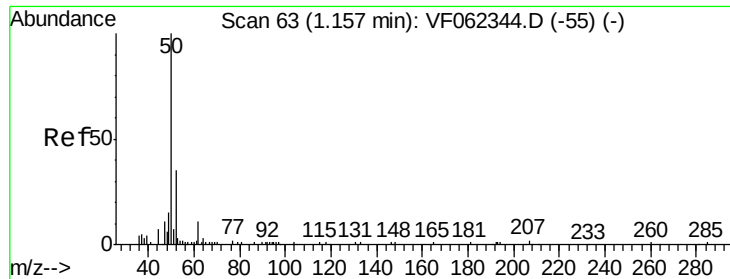
Tgt Ion:168 Resp: 333987
Ion Ratio Lower Upper
168 100
99 57.2 45.9 68.9



#2
Dichlorodifluoromethane
Concen: 22.404 ug/l
RT: 1.01 min Scan# 49
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion: 85 Resp: 86598
Ion Ratio Lower Upper
85 100
87 30.9 16.8 50.4





#3

Chloromethane

Concen: 20.357 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

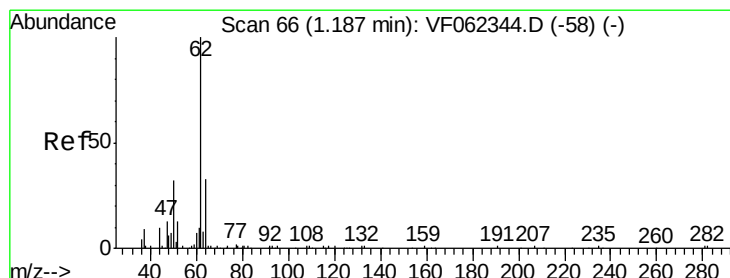
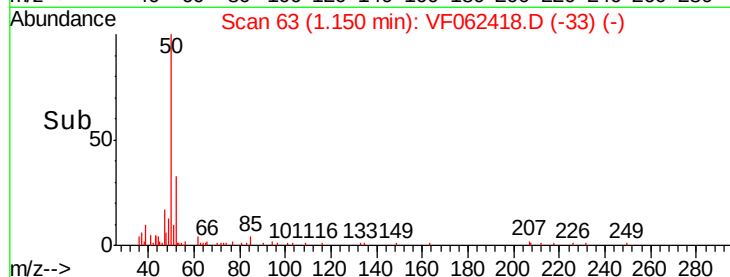
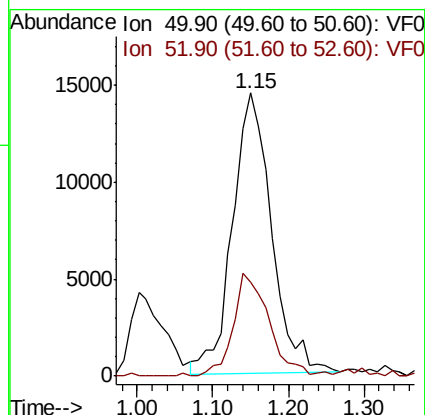
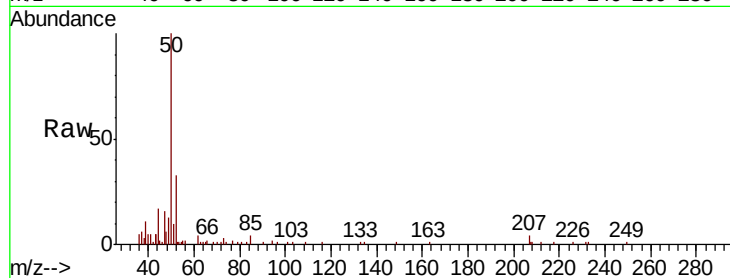
VF0510SBS01

Tgt Ion: 50 Resp: 51896

Ion Ratio Lower Upper

50 100

52 33.6 26.1 39.1



#4

Vinyl Chloride

Concen: 21.172 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062418.D

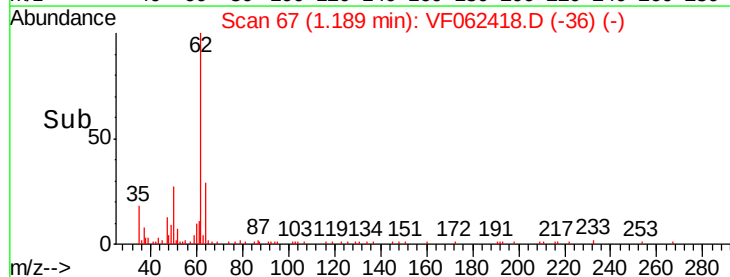
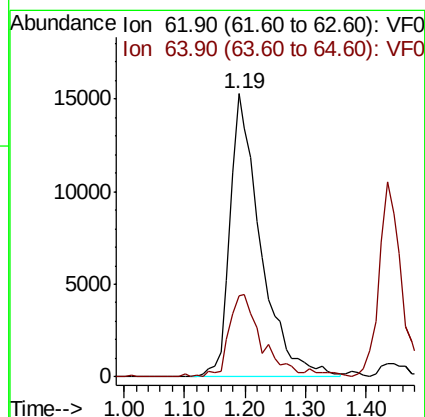
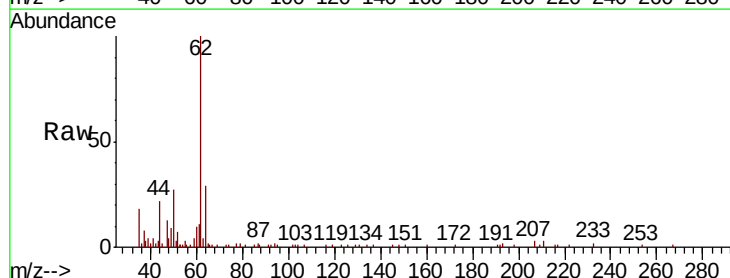
Acq: 10 May 2019 12:47

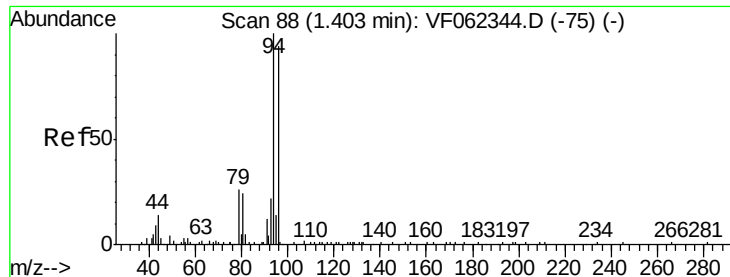
Tgt Ion: 62 Resp: 53837

Ion Ratio Lower Upper

62 100

64 28.5 26.1 39.1





#5

Bromomethane

Concen: 22.545 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

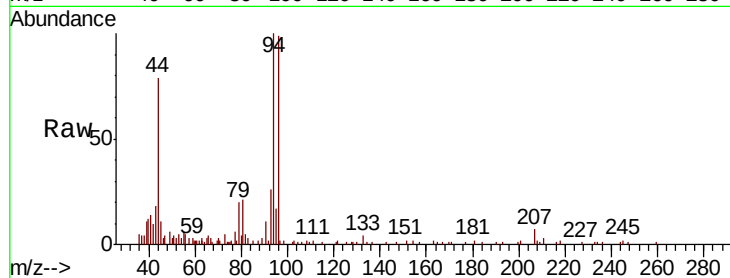
VF0510SBS01

Tgt Ion: 94 Resp: 45902

Ion Ratio Lower Upper

94 100

96 97.9 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.39

10000

8000

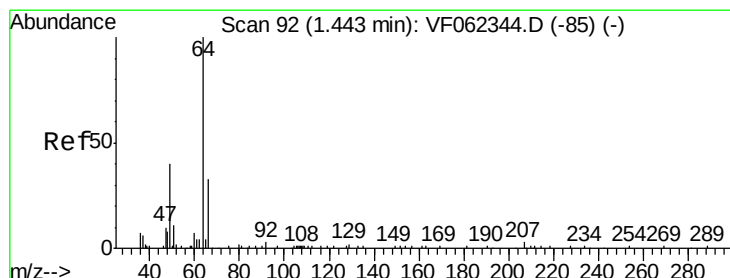
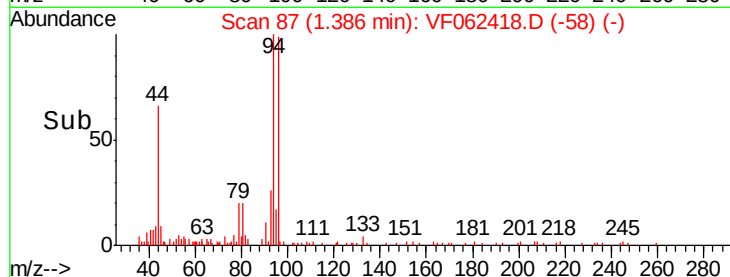
6000

4000

2000

0

Time--> 1.20 1.30 1.40 1.50 1.60



#6

Chloroethane

Concen: 21.250 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062418.D

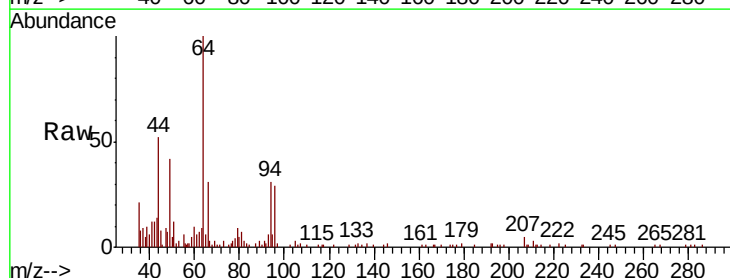
Acq: 10 May 2019 12:47

Tgt Ion: 64 Resp: 27166

Ion Ratio Lower Upper

64 100

66 28.6 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0

1.44

10000

8000

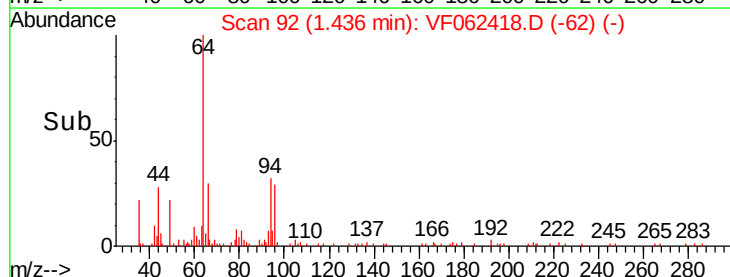
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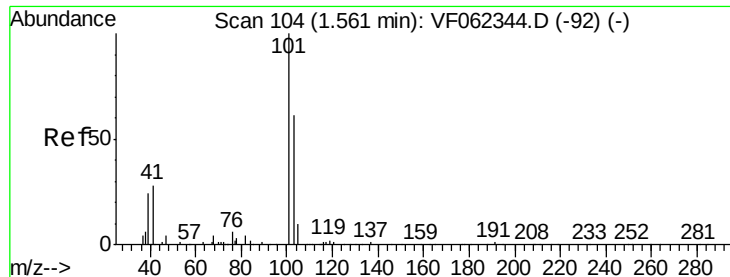
4000

2000

0

Time--> 1.30 1.40 1.50 1.60



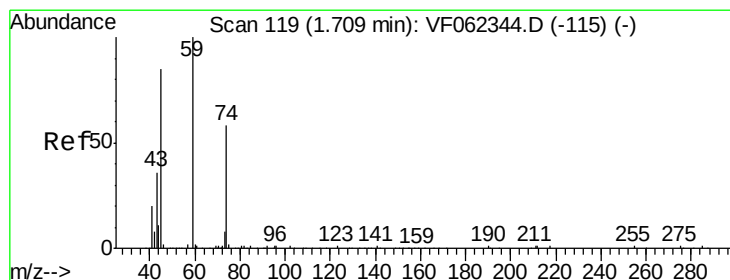
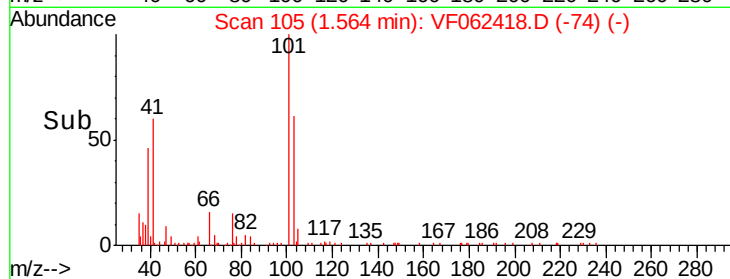
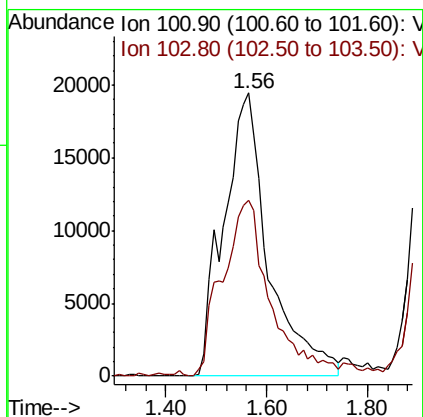
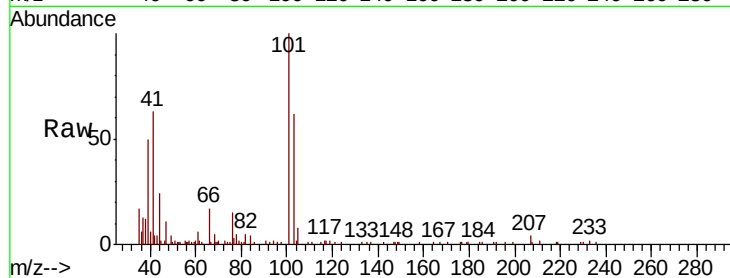


#7

Trichlorofluoromethane
 Concen: 22.731 ug/l
 RT: 1.56 min Scan# 105
 Delta R.T. 0.00 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Instrument :
 MSVOA_F
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 VF0510SBSD01

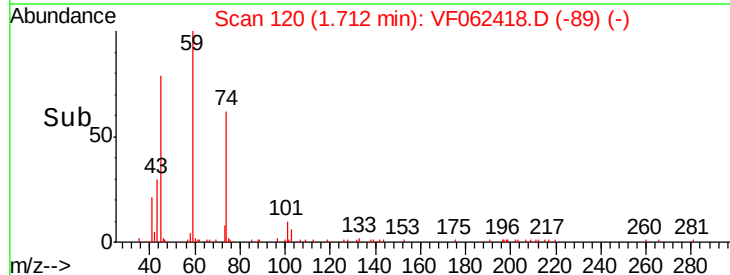
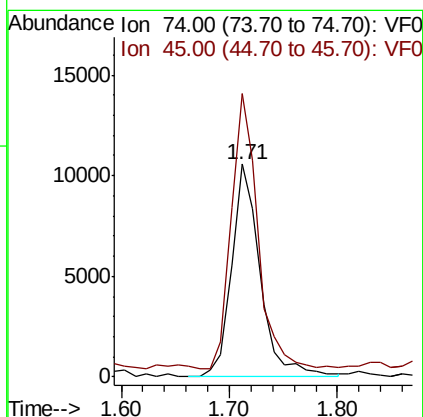
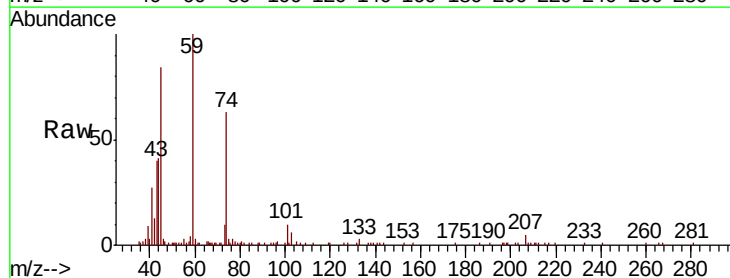
Tgt Ion:101 Resp: 119927
 Ion Ratio Lower Upper
 101 100
 103 62.3 48.5 72.7

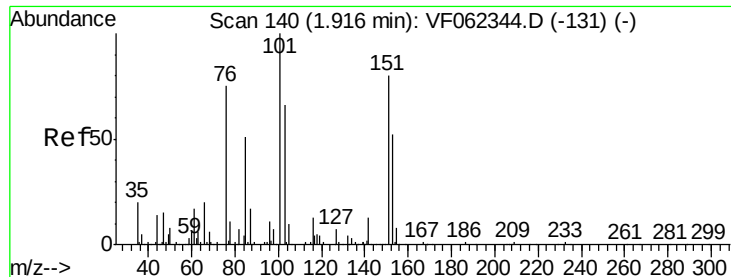


#8

Diethyl Ether
 Concen: 24.294 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.00 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion: 74 Resp: 19394
 Ion Ratio Lower Upper
 74 100
 45 120.7 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.219 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD01

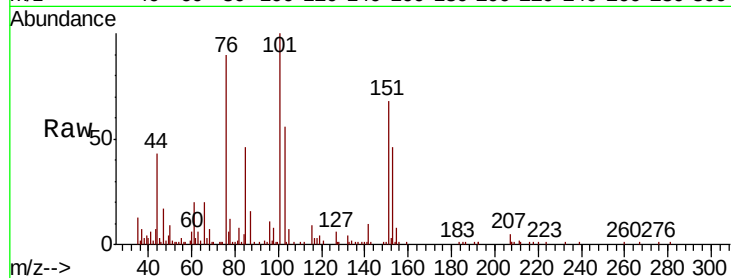
Tgt Ion:101 Resp: 69936

Ion Ratio Lower Upper

101 100

85 51.0 39.5 59.3

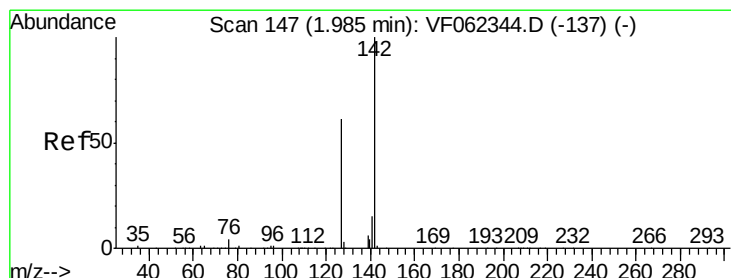
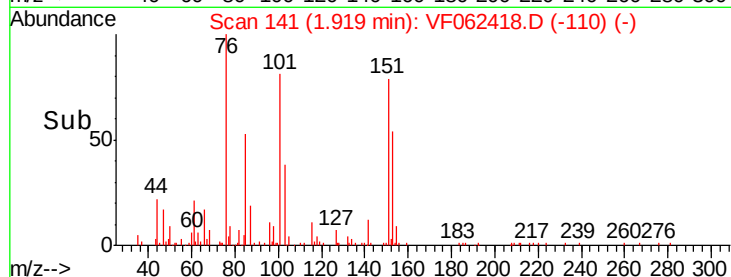
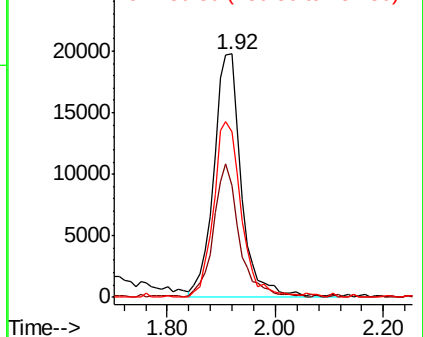
151 72.1 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.002 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

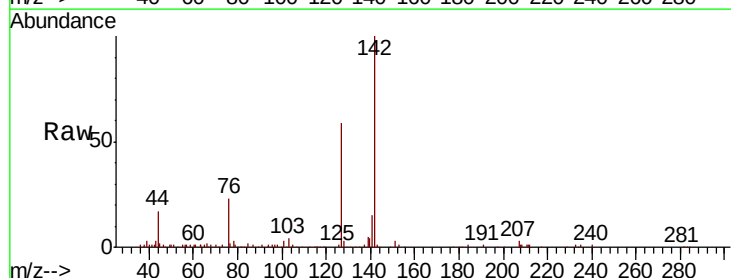
Tgt Ion:142 Resp: 114174

Ion Ratio Lower Upper

142 100

127 61.6 48.4 72.6

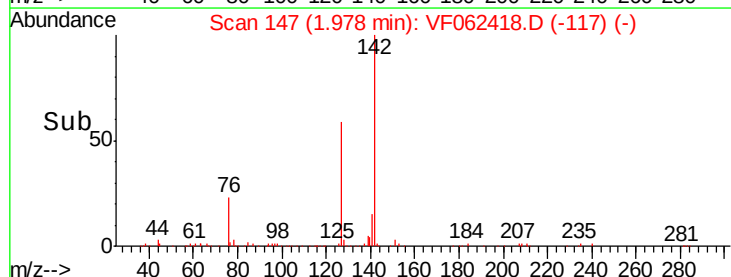
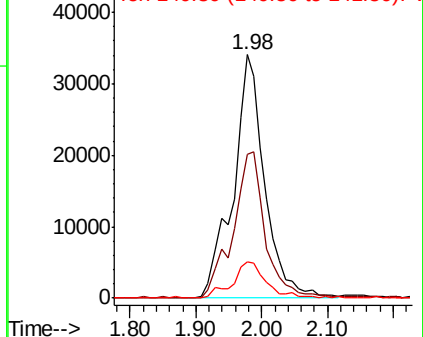
141 15.9 12.2 18.4

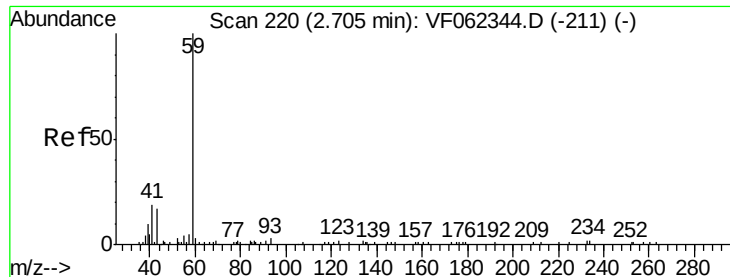


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

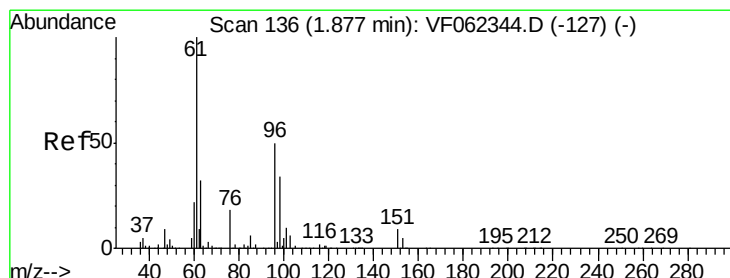
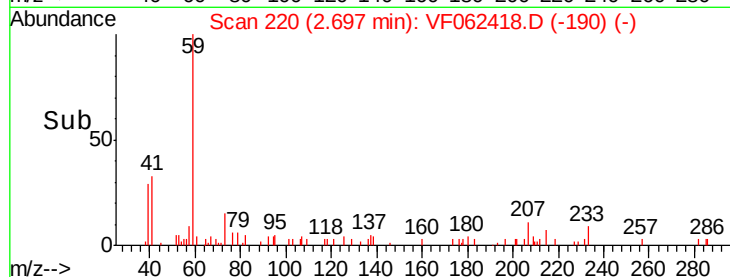
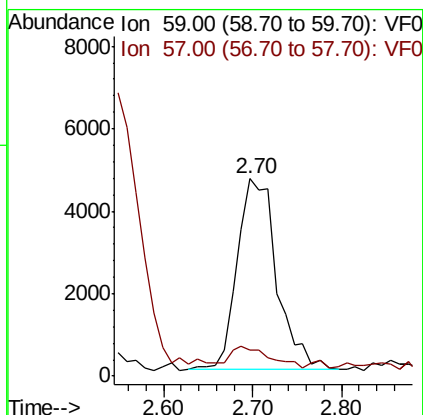
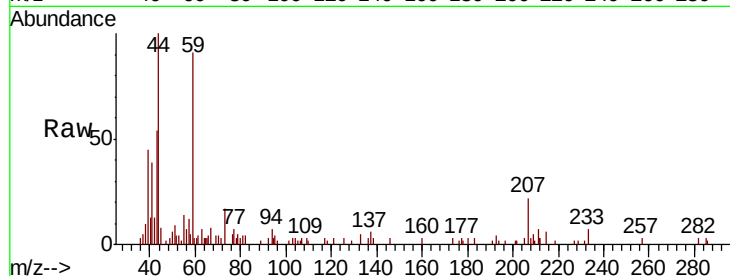




#11
Tert butyl alcohol
Concen: 80.584 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

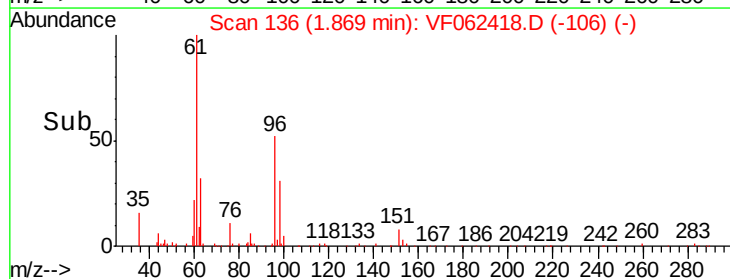
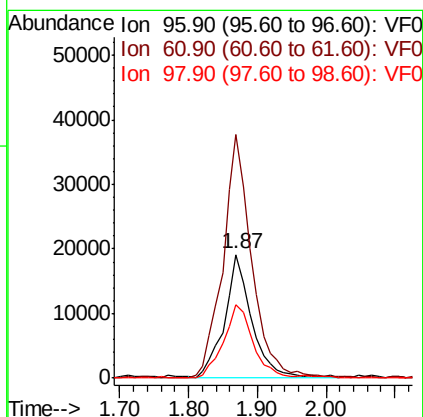
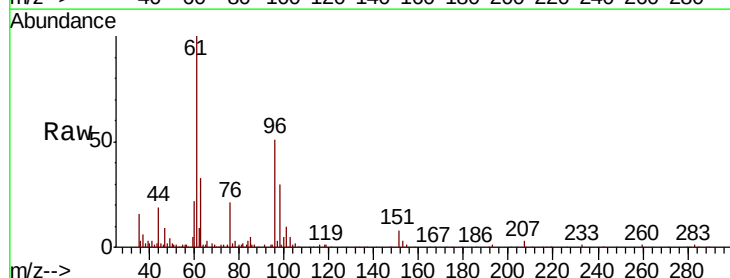
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD01

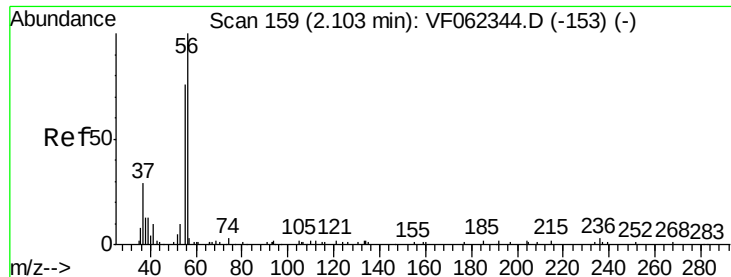
Tgt Ion: 59 Resp: 14375
Ion Ratio Lower Upper
59 100
57 11.2 9.3 13.9



#12
1,1-Dichloroethene
Concen: 20.559 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion: 96 Resp: 52644
Ion Ratio Lower Upper
96 100
61 196.8 163.2 244.8
98 59.0 55.2 82.8

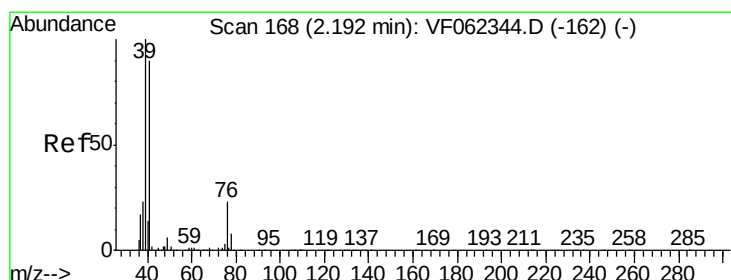
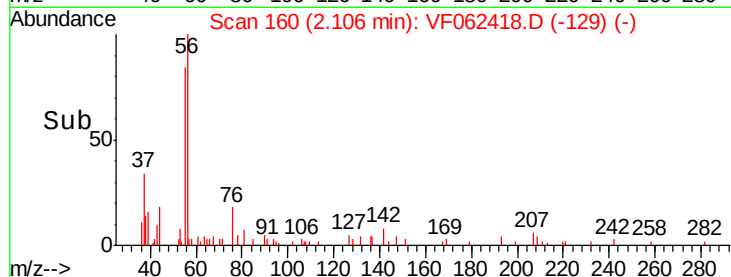
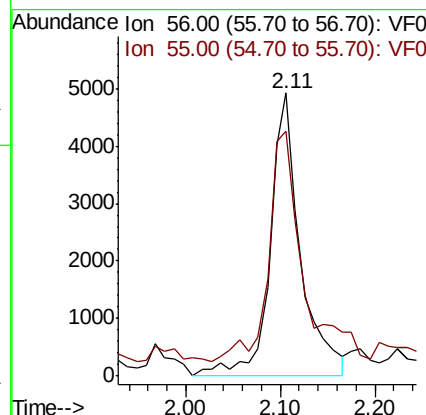
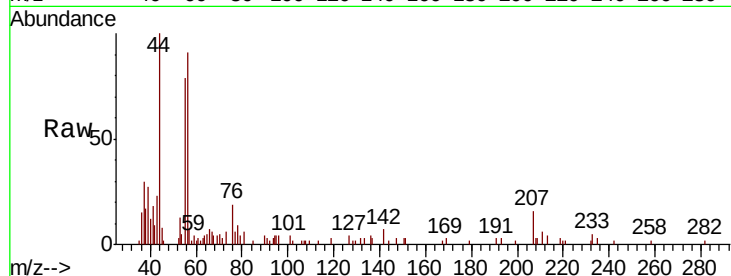




#13
Acrolein
Concen: 86.585 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

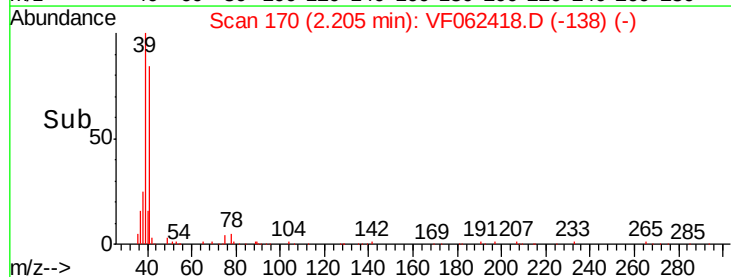
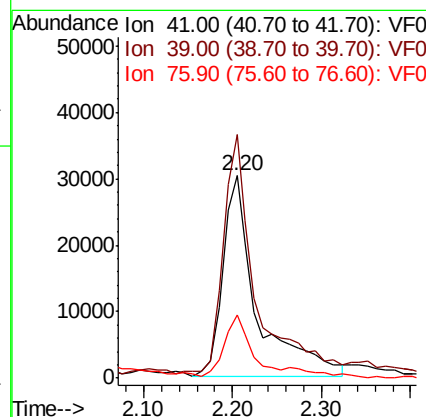
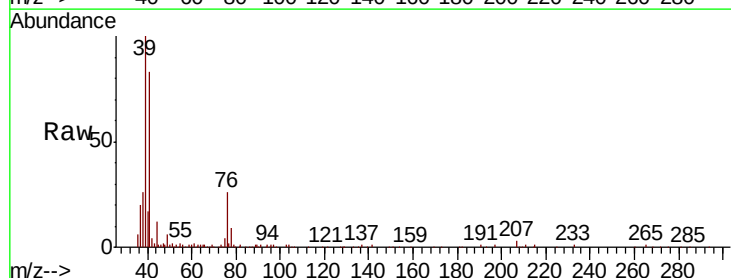
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

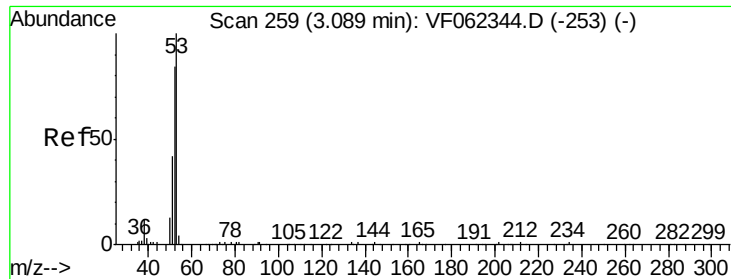
Tgt Ion: 56 Resp: 11069
Ion Ratio Lower Upper
56 100
55 91.4 58.4 87.6#



#14
Allyl chloride
Concen: 35.666 ug/l
RT: 2.20 min Scan# 170
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion: 41 Resp: 80676
Ion Ratio Lower Upper
41 100
39 114.2 90.8 136.2
76 24.2 22.2 33.4





#15

Acrylonitrile

Concen: 102.776 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

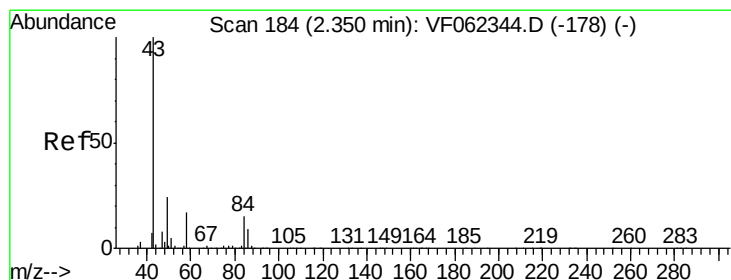
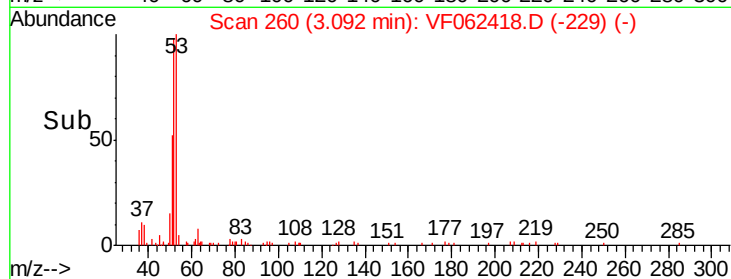
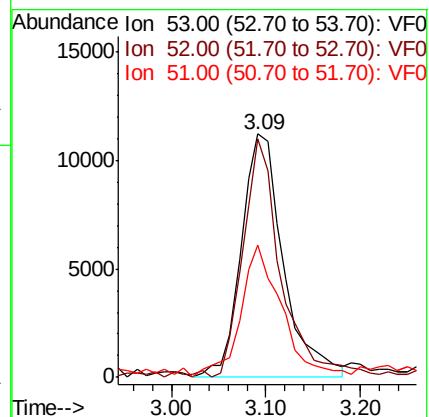
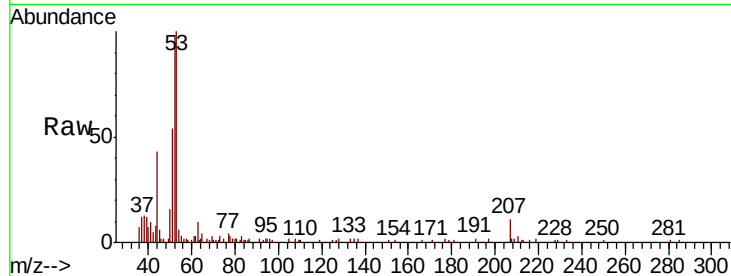
MSVOA_F

ClientSampleId :

VF0510SBS01

Tgt Ion: 53 Resp: 34729

Ion	Ratio	Lower	Upper
53	100		
52	88.6	77.2	115.8
51	53.4	40.6	61.0



#16

Acetone

Concen: 118.056 ug/l

RT: 2.35 min Scan# 185

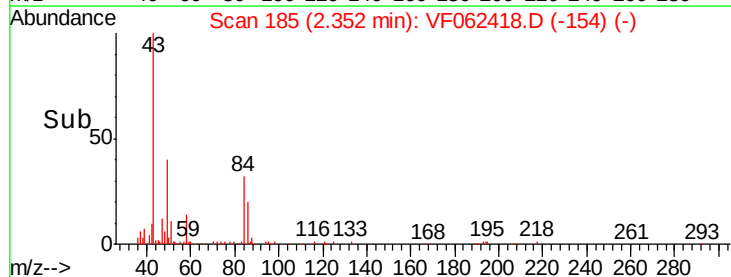
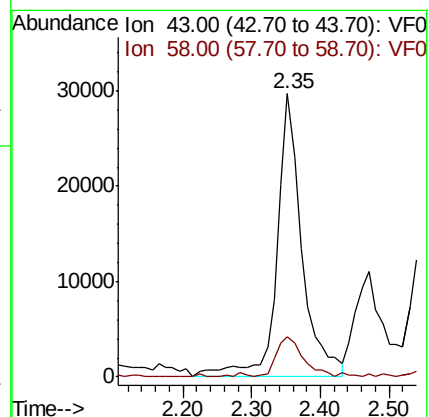
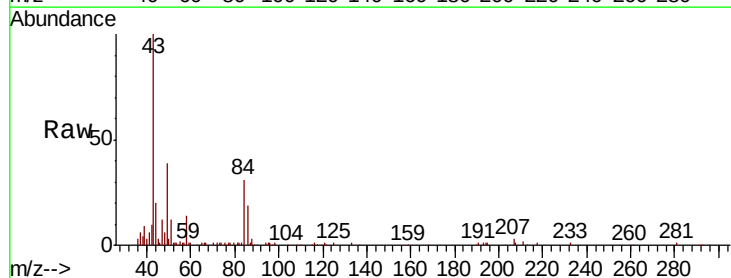
Delta R.T. 0.00 min

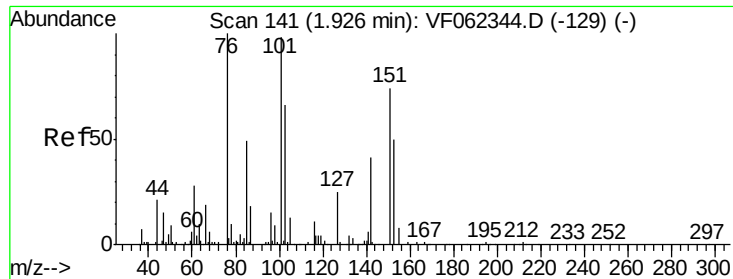
Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion: 43 Resp: 75379

Ion	Ratio	Lower	Upper
43	100		
58	14.0	13.1	19.7





#17

Carbon Disulfide

Concen: 21.338 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

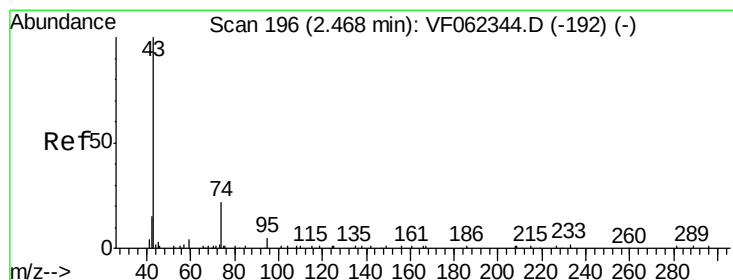
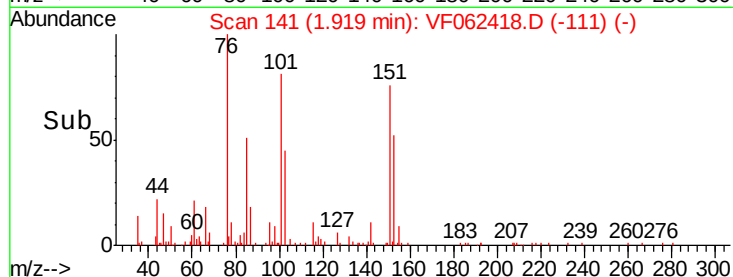
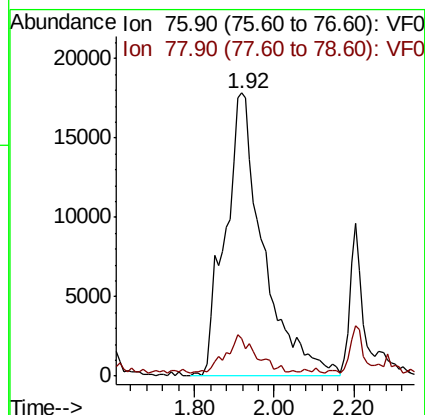
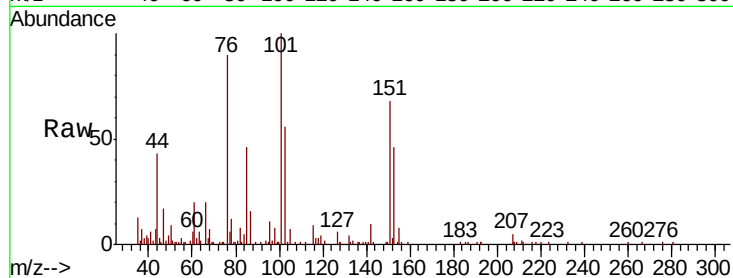
VF0510SBS01

Tgt Ion: 76 Resp: 119139

Ion Ratio Lower Upper

76 100

78 12.2 9.0 13.4



#18

Methyl Acetate

Concen: 22.682 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF062418.D

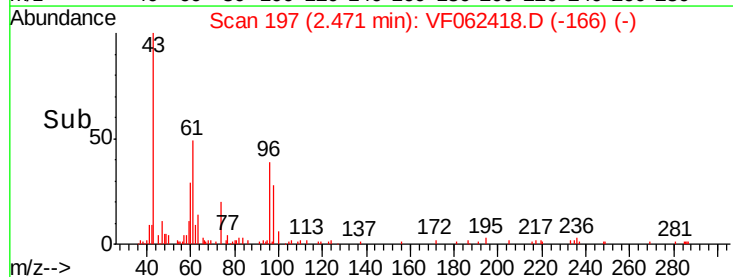
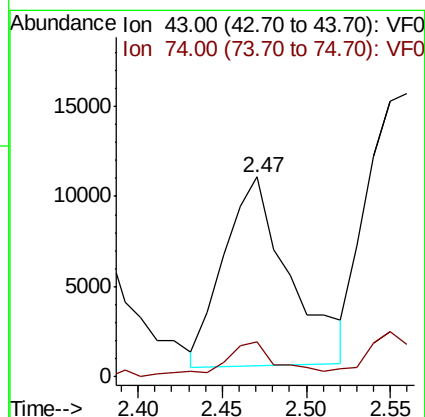
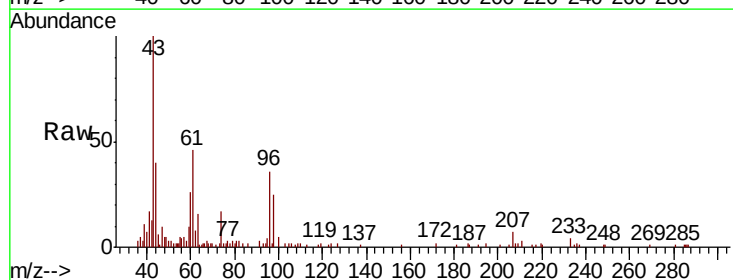
Acq: 10 May 2019 12:47

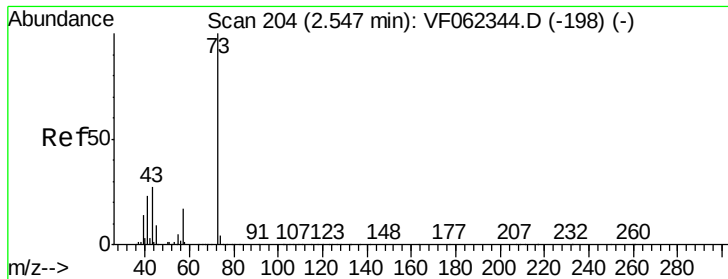
Tgt Ion: 43 Resp: 28404

Ion Ratio Lower Upper

43 100

74 15.8 15.0 22.4



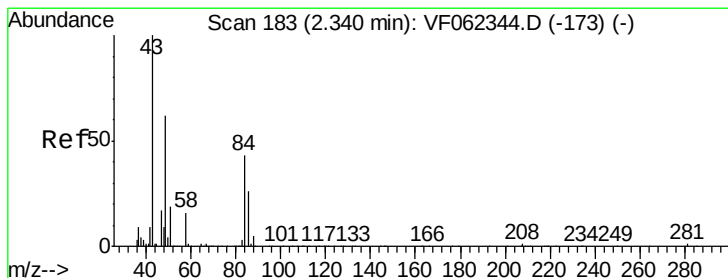
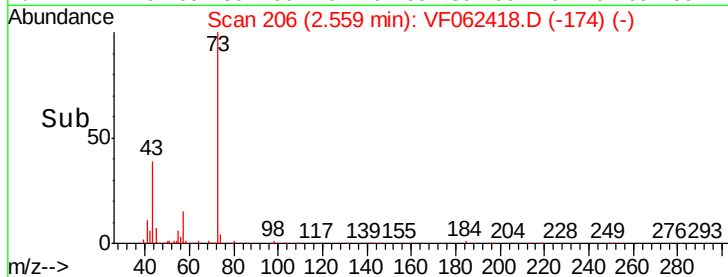
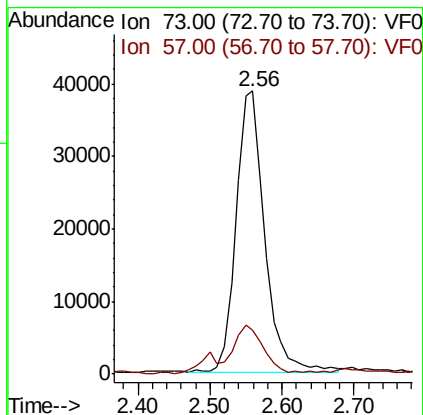
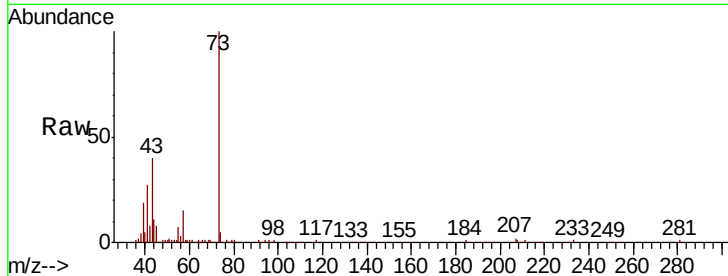


#19

Methyl tert-butyl Ether
 Concen: 20.286 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD01

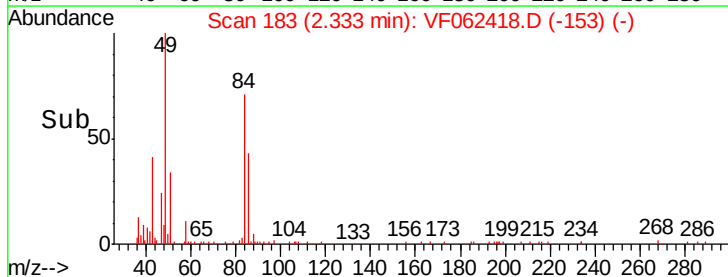
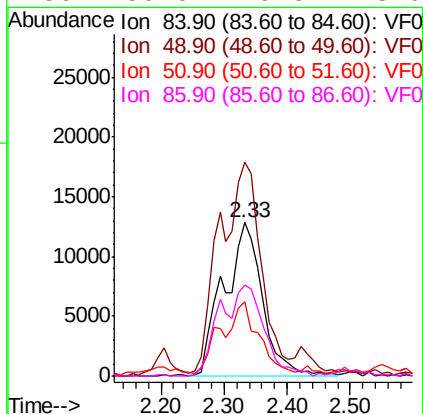
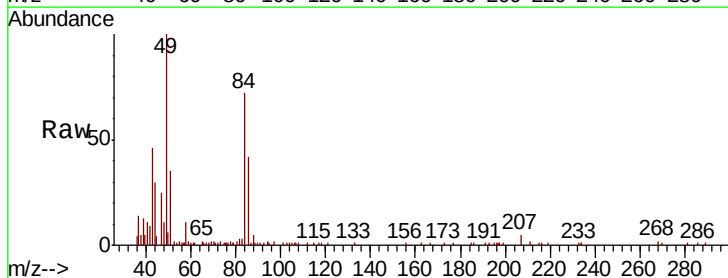
Tgt Ion: 73 Resp: 107229
 Ion Ratio Lower Upper
 73 100
 57 14.3 13.7 20.5

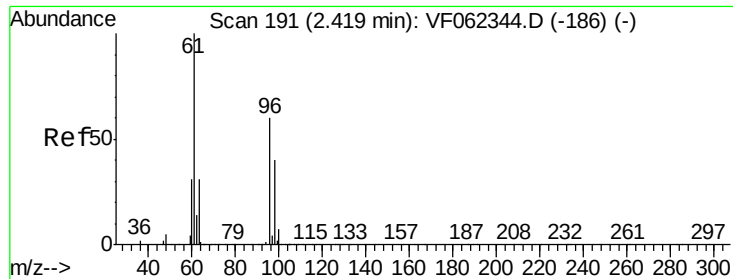


#20

Methylene Chloride
 Concen: 23.809 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion: 84 Resp: 55001
 Ion Ratio Lower Upper
 84 100
 49 137.5 117.5 176.3
 51 45.9 37.0 55.4
 86 59.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.518 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

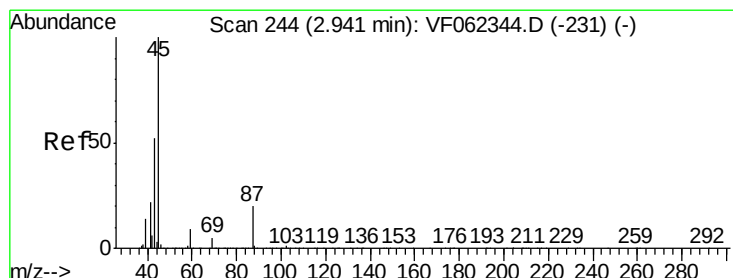
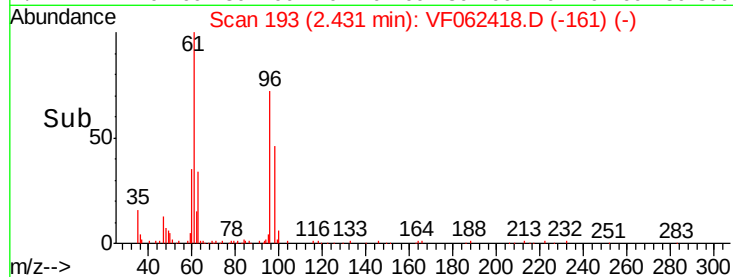
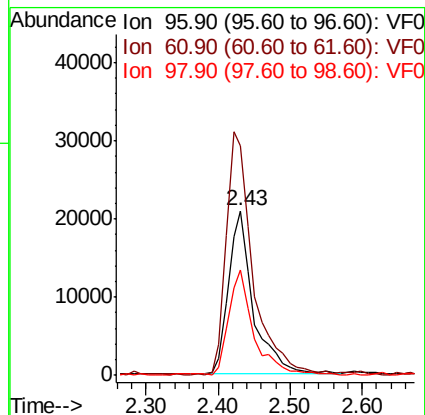
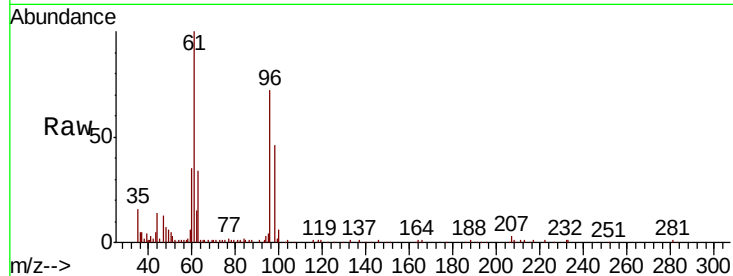
Tgt Ion: 96 Resp: 50057

Ion Ratio Lower Upper

96 100

61 140.4 133.2 199.8

98 64.7 53.1 79.7



#22

Diisopropyl ether

Concen: 20.273 ug/l

RT: 2.94 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion: 45 Resp: 143318

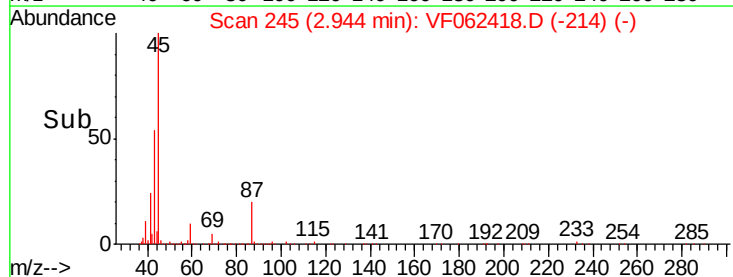
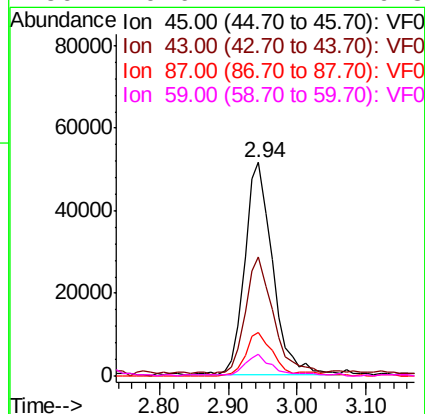
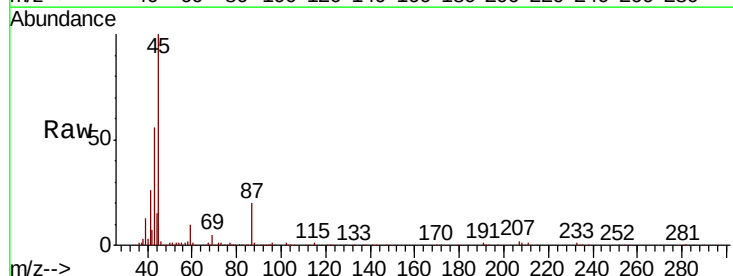
Ion Ratio Lower Upper

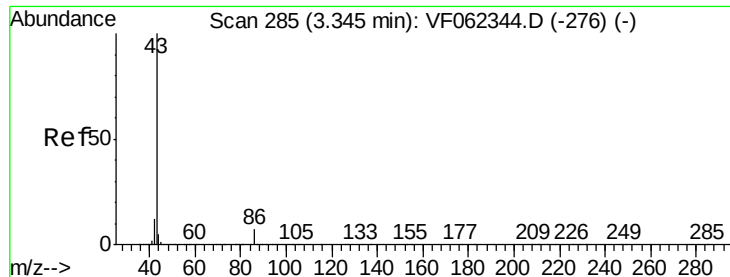
45 100

43 54.8 41.4 62.0

87 20.3 15.8 23.6

59 9.6 7.2 10.8

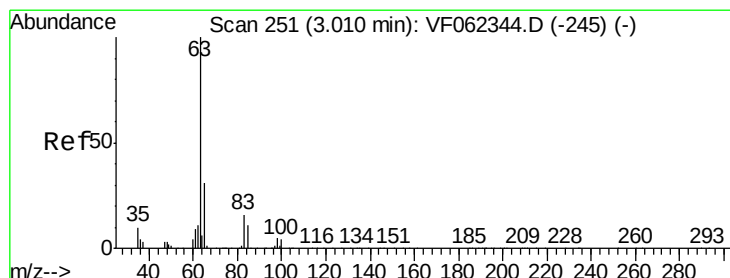
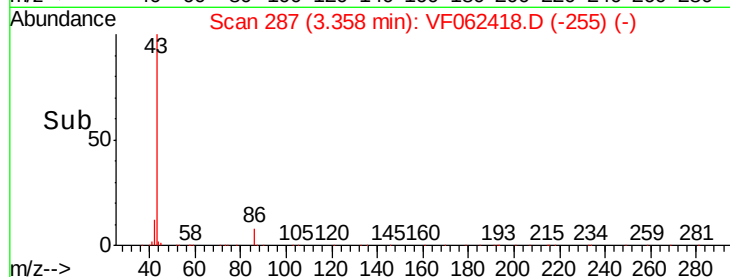
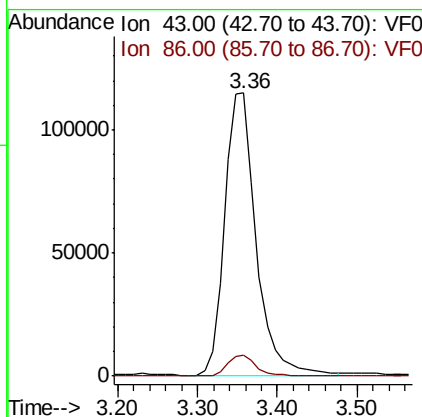
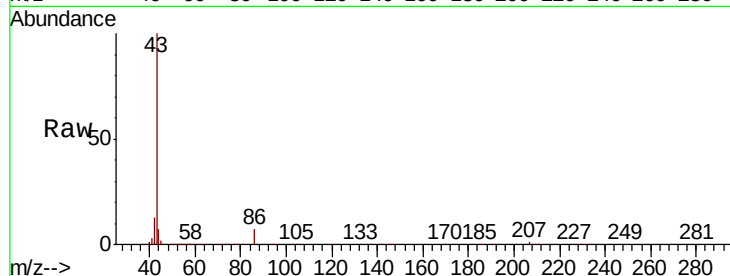




#23
 Vinyl Acetate
 Concen: 100.393 ug/l
 RT: 3.36 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

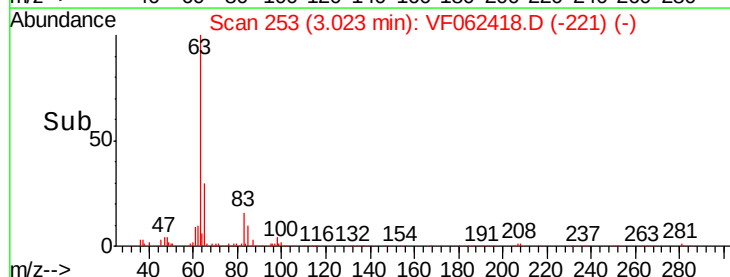
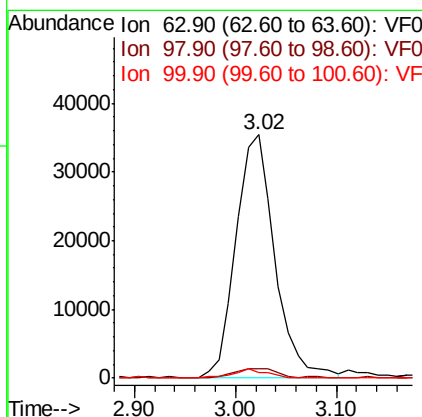
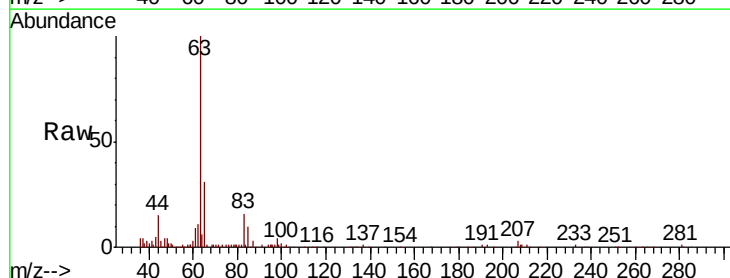
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS01

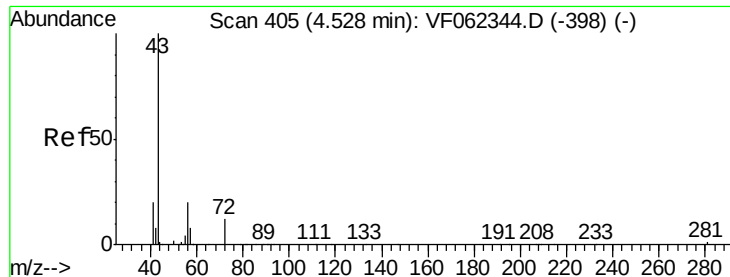
Tgt Ion: 43 Resp: 316322
 Ion Ratio Lower Upper
 43 100
 86 7.5 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 22.292 ug/l
 RT: 3.02 min Scan# 253
 Delta R.T. 0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion: 63 Resp: 95247
 Ion Ratio Lower Upper
 63 100
 98 3.7 2.6 8.0
 100 2.4 1.8 5.4





#25

2-Butanone

Concen: 101.818 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

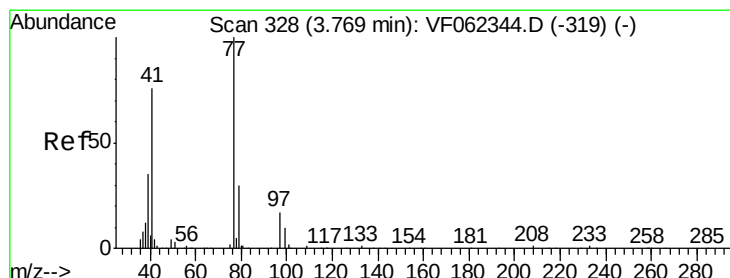
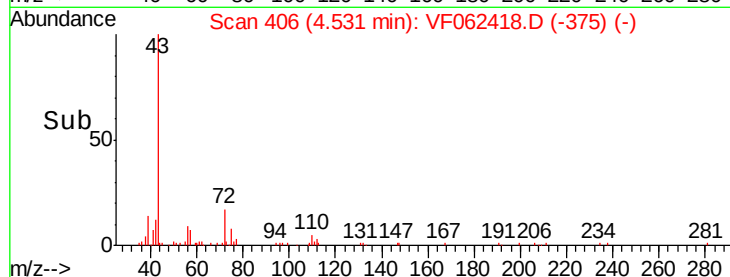
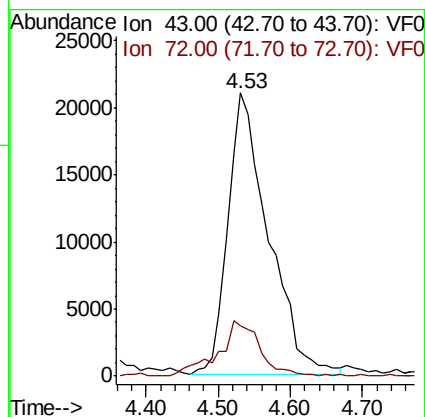
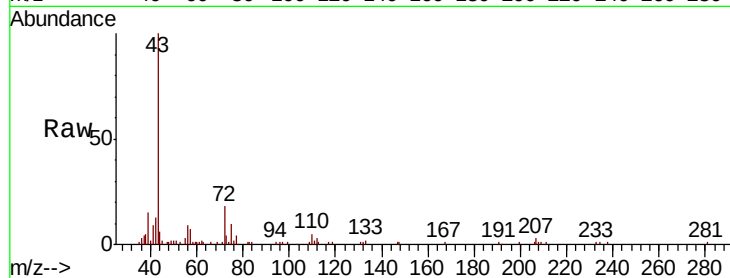
VF0510SBSD01

Tgt Ion: 43 Resp: 81675

Ion Ratio Lower Upper

43 100

72 17.4 14.2 21.4



#26

2,2-Dichloropropane

Concen: 23.923 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF062418.D

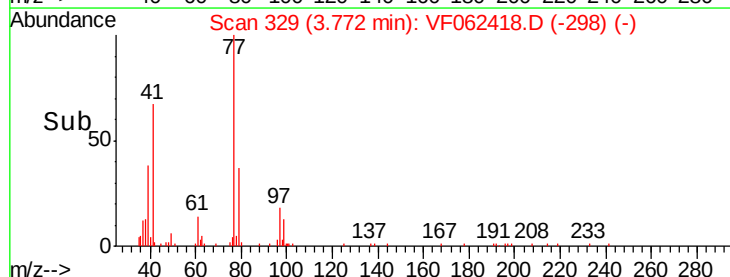
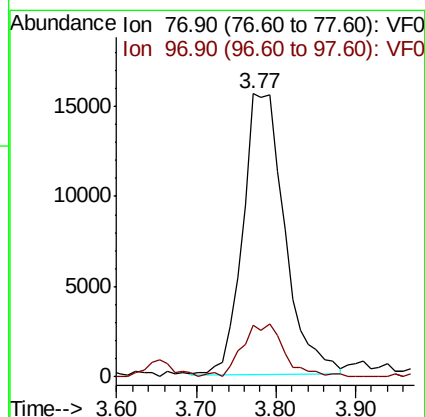
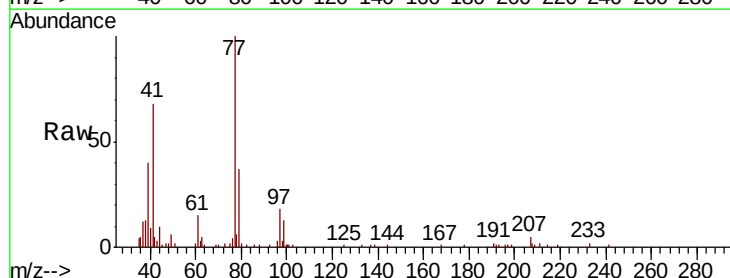
Acq: 10 May 2019 12:47

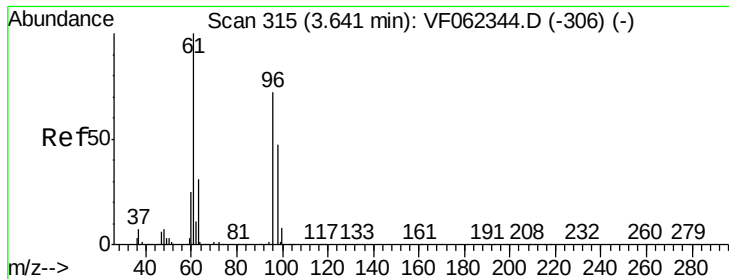
Tgt Ion: 77 Resp: 57081

Ion Ratio Lower Upper

77 100

97 19.0 9.5 28.5



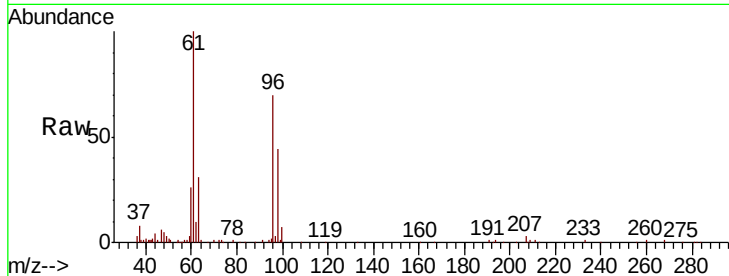


#27

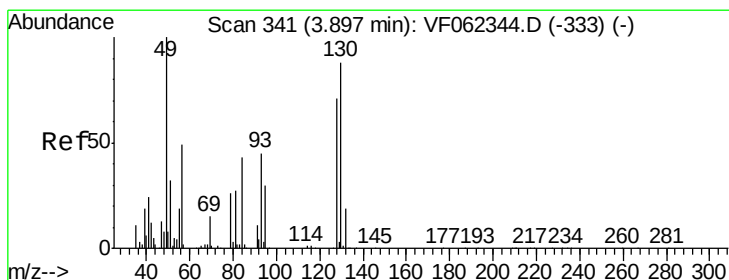
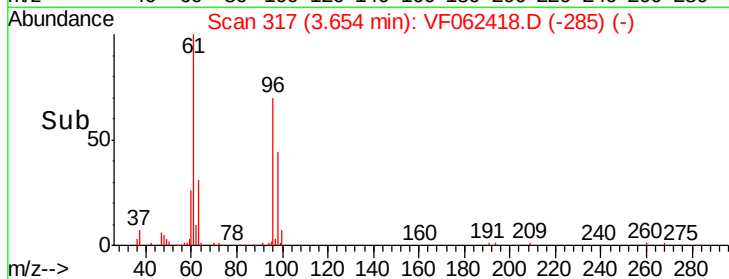
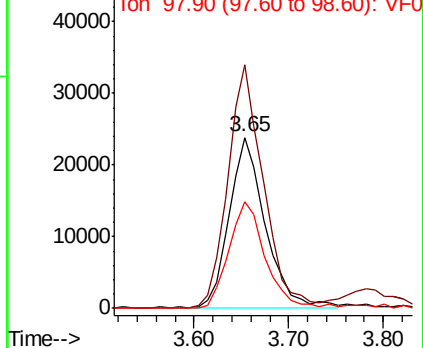
cis-1,2-Dichloroethene
Concen: 20.759 ug/l
RT: 3.65 min Scan# 317
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tgt Ion: 96 Resp: 63308
Ion Ratio Lower Upper
96 100
61 139.5 0.0 263.0
98 61.8 0.0 130.8



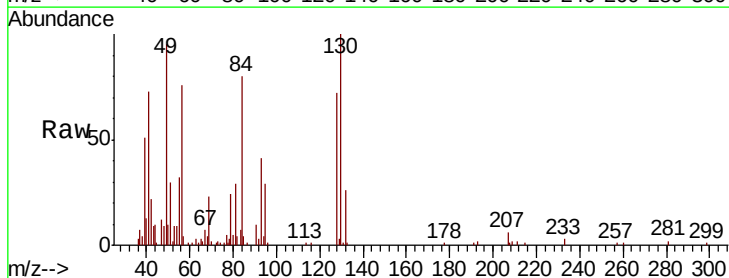
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



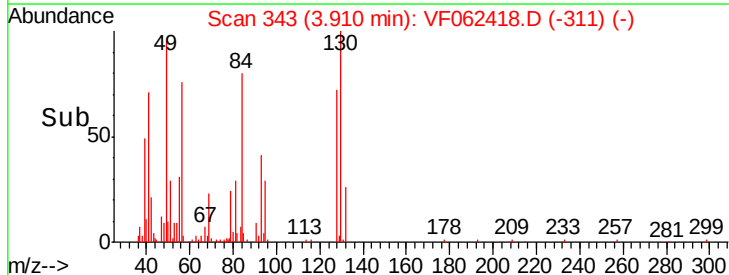
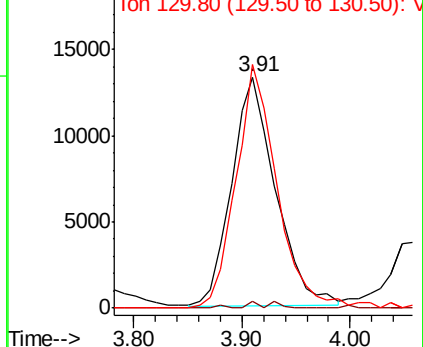
#28

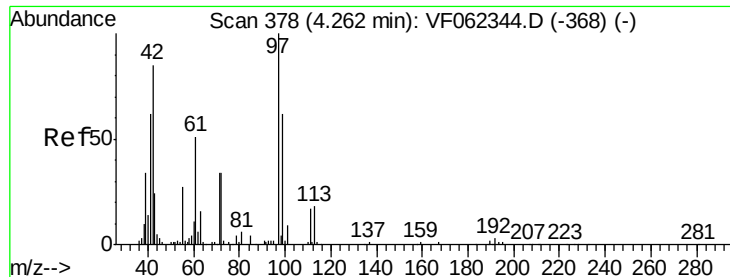
Bromochloromethane
Concen: 19.410 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion: 49 Resp: 37612
Ion Ratio Lower Upper
49 100
129 0.9 0.0 2.2
130 99.7 79.4 119.0



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 87.921 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

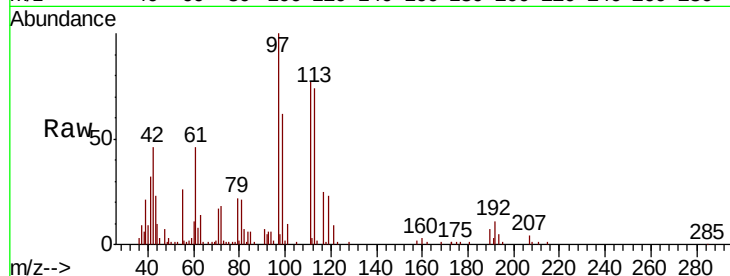
Tgt Ion: 42 Resp: 32414

Ion Ratio Lower Upper

42 100

72 38.9 31.4 47.0

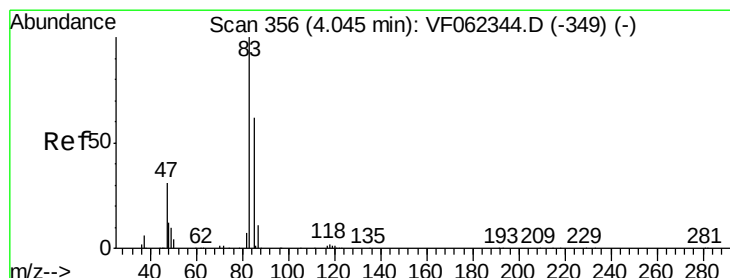
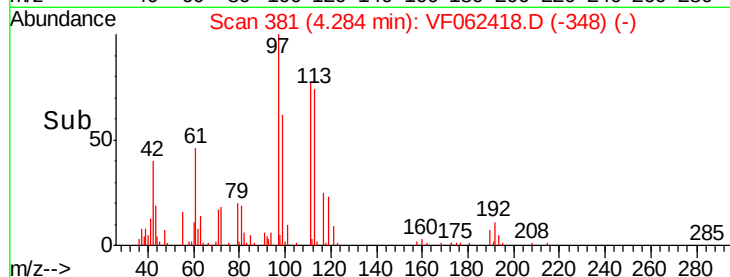
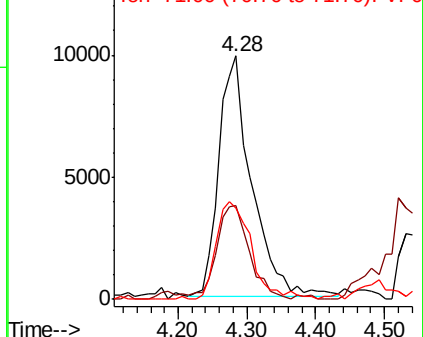
71 43.5 31.7 47.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 22.008 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF062418.D

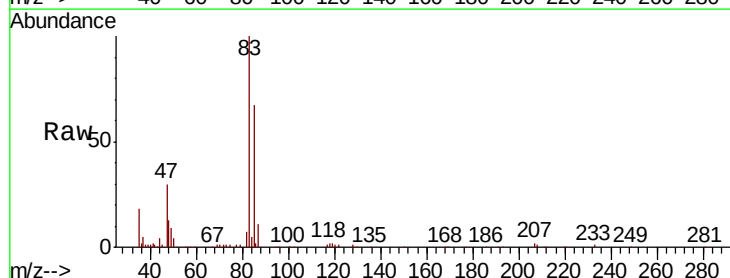
Acq: 10 May 2019 12:47

Tgt Ion: 83 Resp: 127039

Ion Ratio Lower Upper

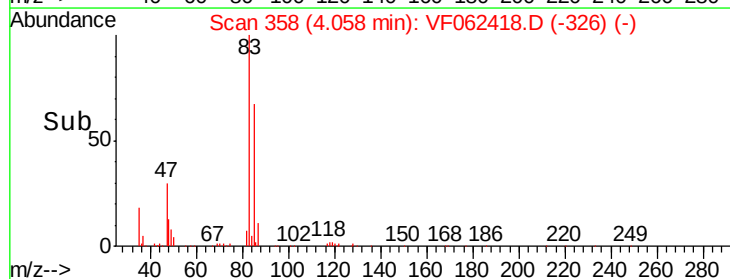
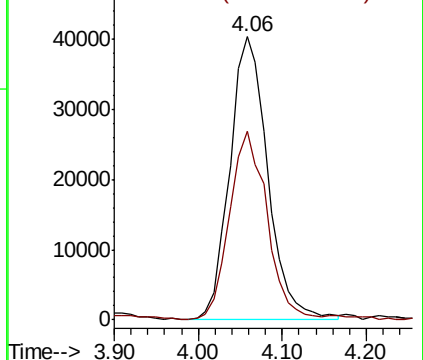
83 100

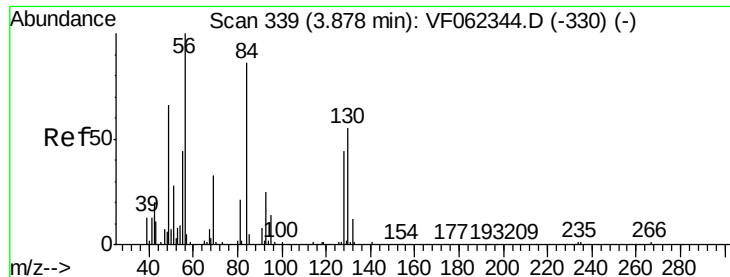
85 66.4 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

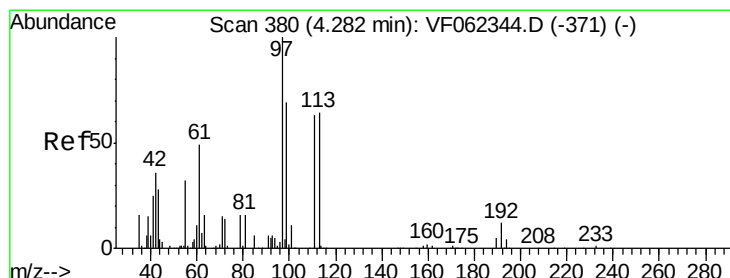
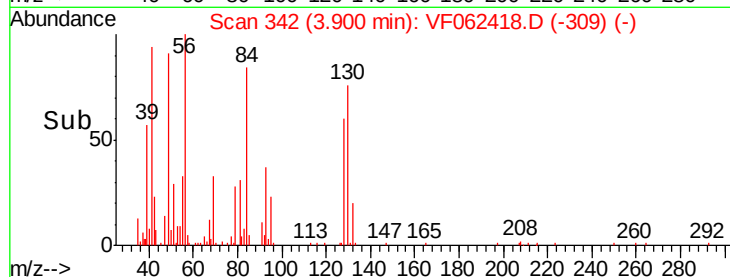
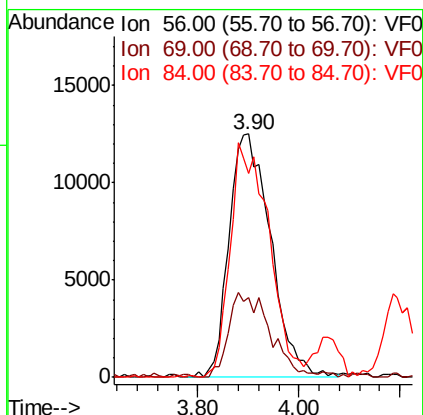
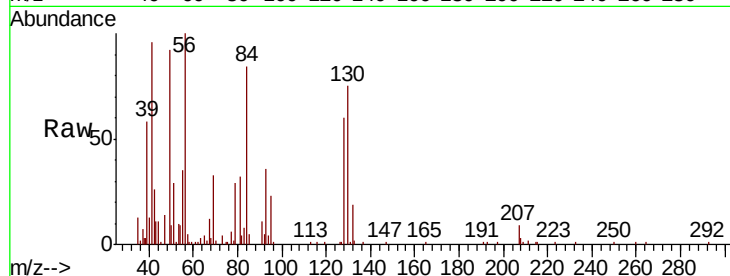




#31
Cyclohexane
Concen: 20.990 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

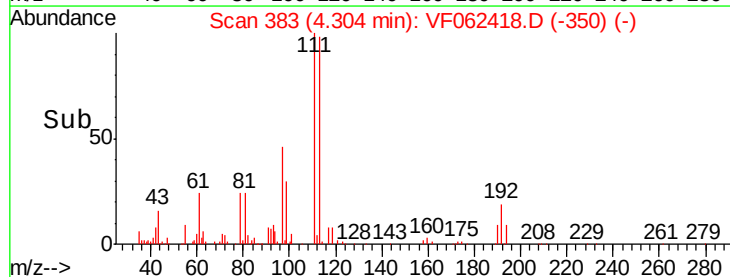
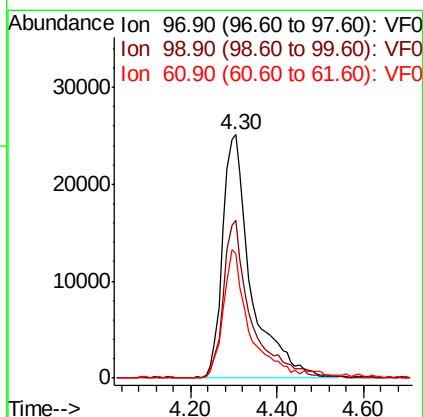
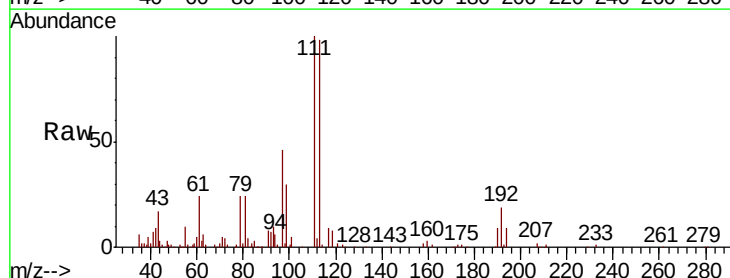
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

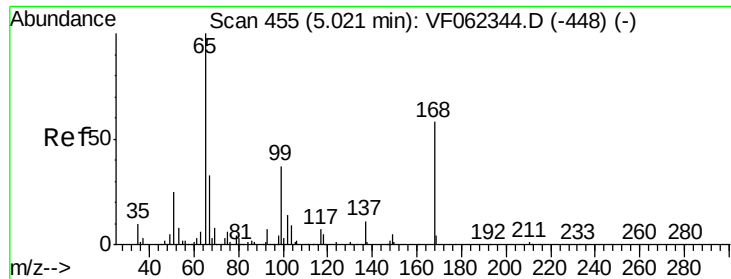
Tgt Ion: 56 Resp: 71585
Ion Ratio Lower Upper
56 100
69 33.0 26.4 39.6
84 82.9 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 23.275 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion: 97 Resp: 115149
Ion Ratio Lower Upper
97 100
99 62.2 52.6 78.8
61 47.8 39.4 59.0

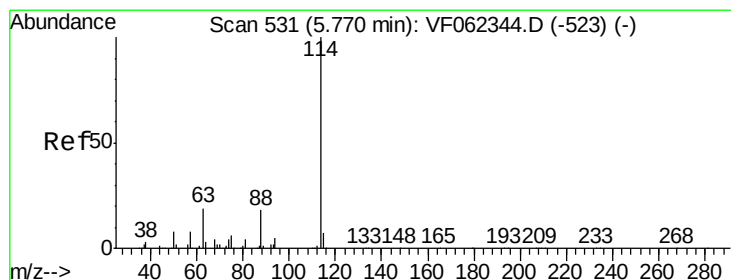
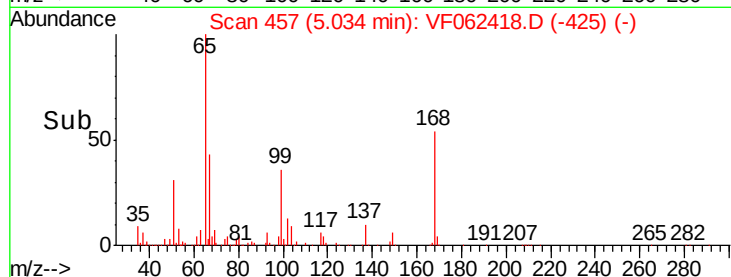
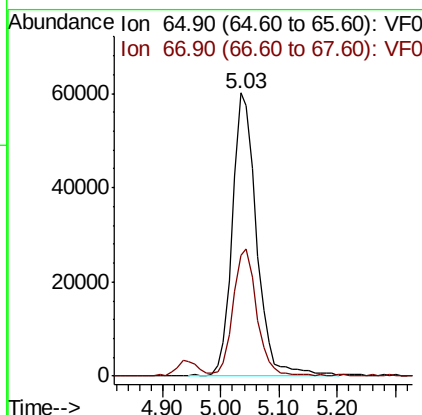
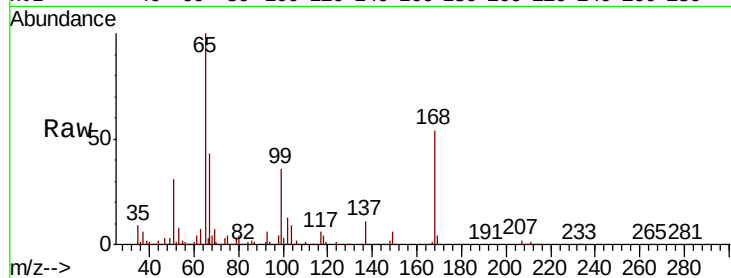




#33
 1,2-Dichloroethane-d4
 Concen: 55.286 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. 0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

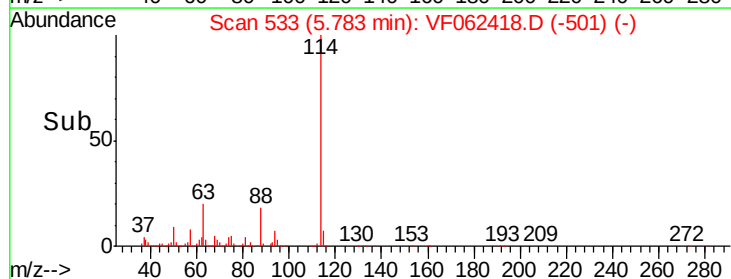
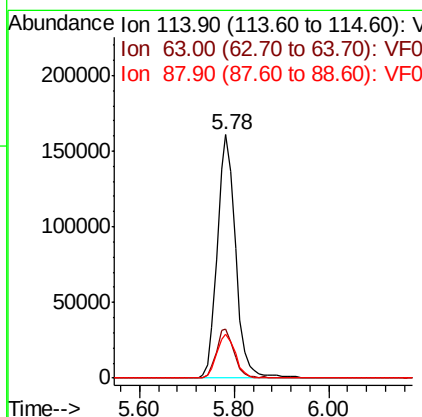
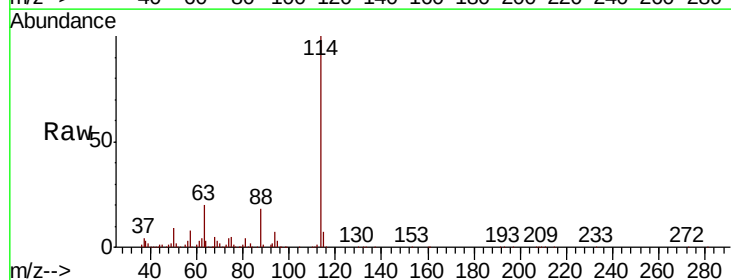
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD01

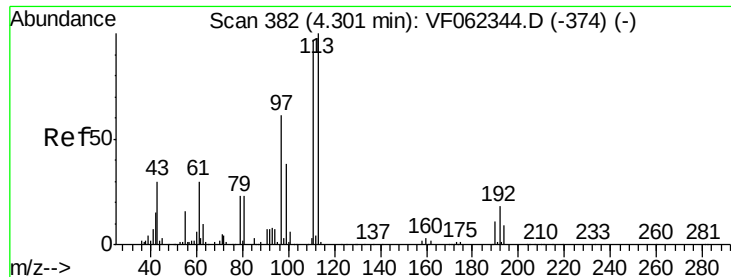
Tgt Ion: 65 Resp: 174499
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion: 114 Resp: 432139
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 37.4
 88 18.2 0.0 36.4





#35

Dibromofluoromethane

Concen: 55.234 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

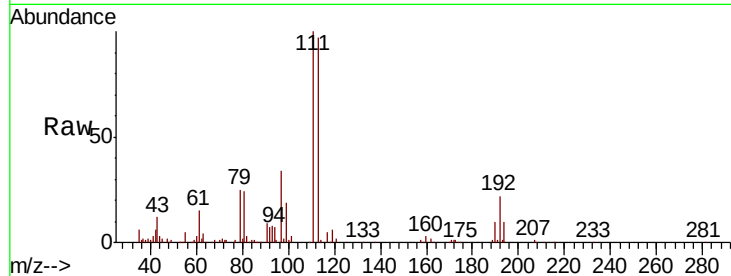
Tgt Ion:113 Resp: 190160

Ion Ratio Lower Upper

113 100

111 101.8 79.4 119.0

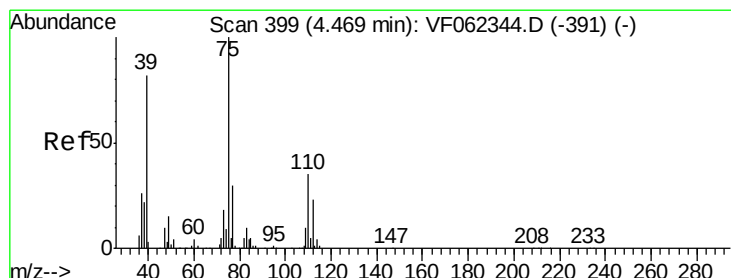
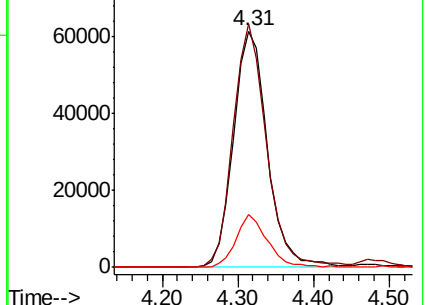
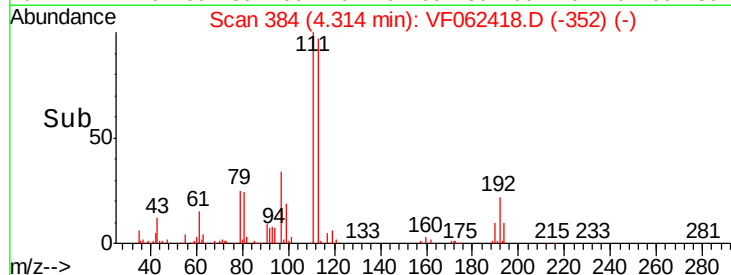
192 20.9 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.491 ug/l

RT: 4.48 min Scan# 401

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

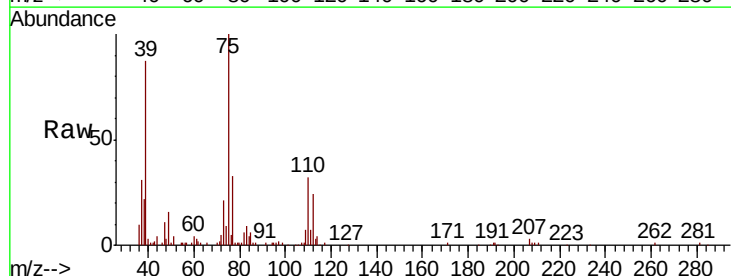
Tgt Ion: 75 Resp: 83491

Ion Ratio Lower Upper

75 100

110 32.9 17.2 51.5

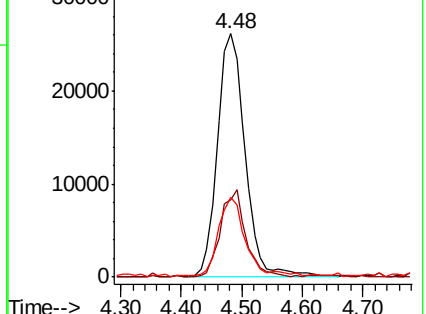
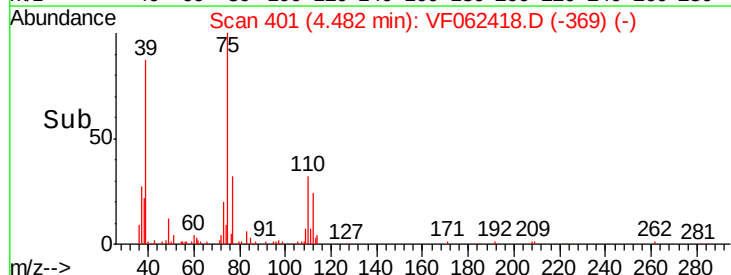
77 33.5 25.2 37.8

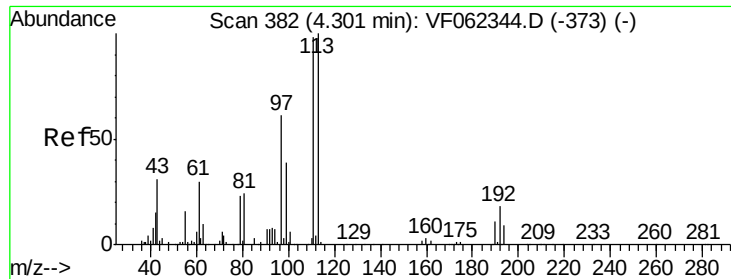


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0

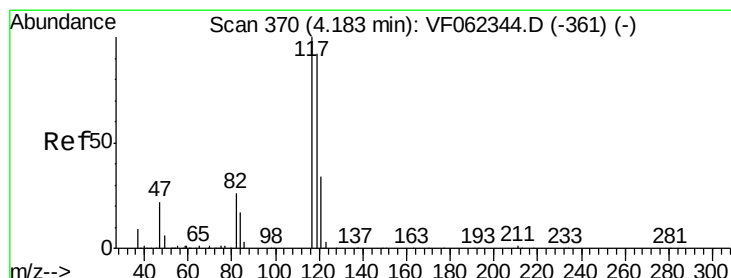
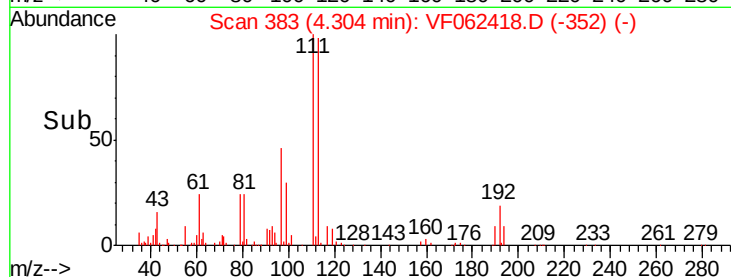
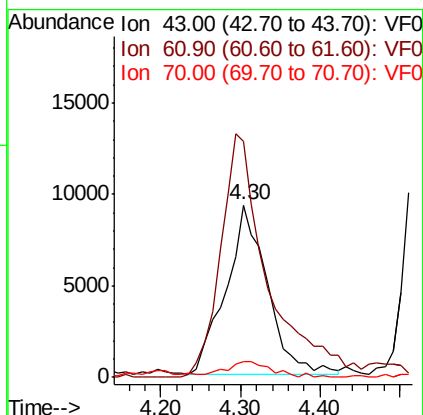
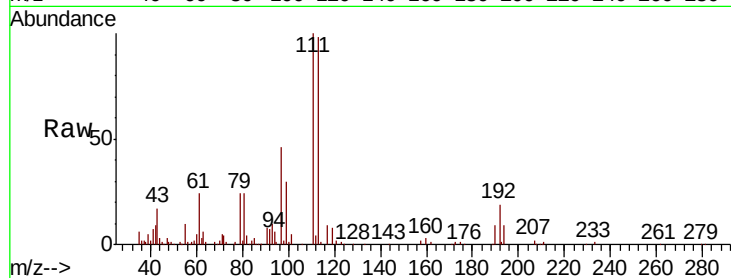




#37
Ethyl Acetate
Concen: 19.960 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

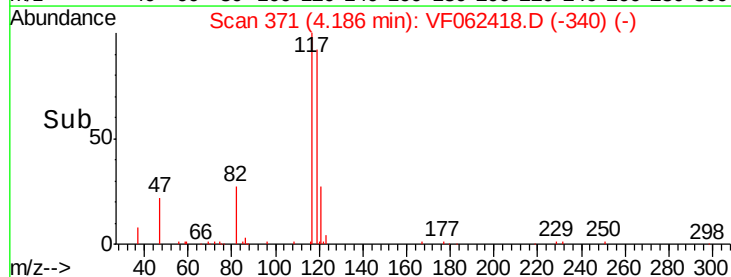
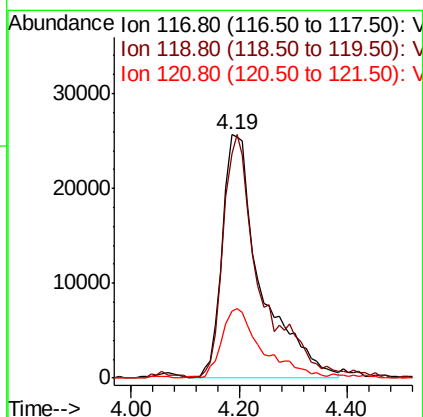
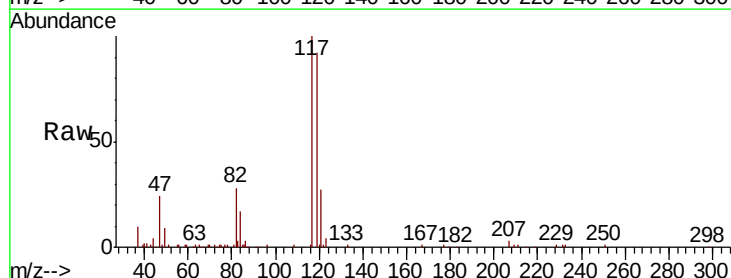
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD01

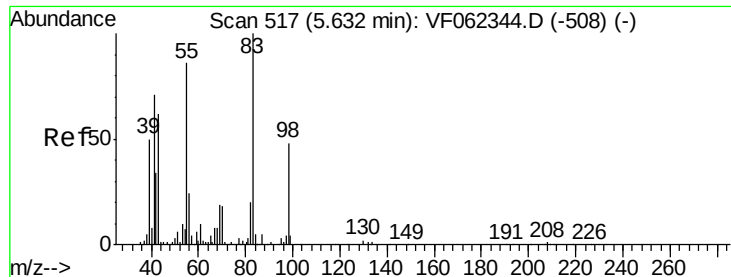
Tgt Ion: 43 Resp: 33430
Ion Ratio Lower Upper
43 100
61 164.7 0.0 0.0#
70 10.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 32.023 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion: 117 Resp: 127152
Ion Ratio Lower Upper
117 100
119 92.3 73.4 110.2
121 26.7 27.4 41.0#





#39

Methylcyclohexane

Concen: 22.063 ug/l

RT: 5.64 min Scan# 519

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD01

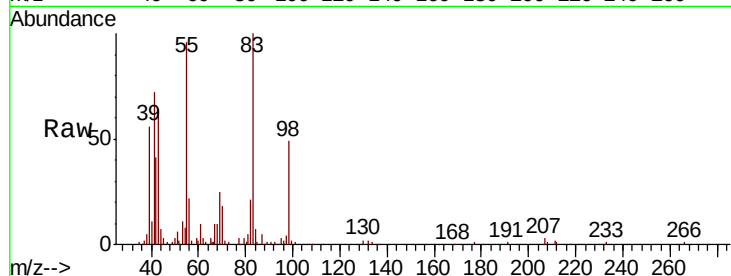
Tgt Ion: 83 Resp: 82142

Ion Ratio Lower Upper

83 100

55 96.0 69.0 103.6

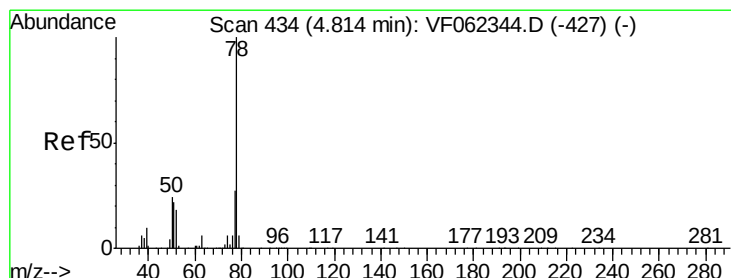
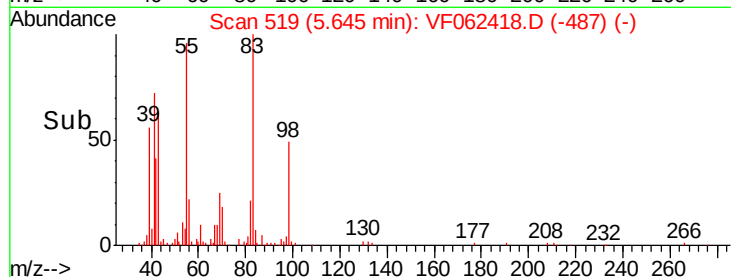
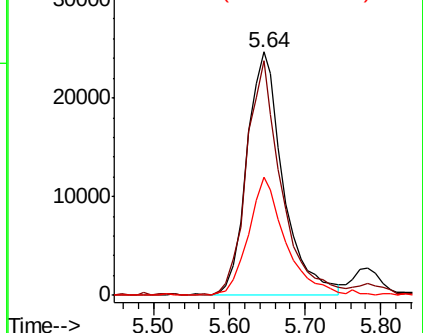
98 48.7 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 22.614 ug/l

RT: 4.83 min Scan# 436

Delta R.T. 0.01 min

Lab File: VF062418.D

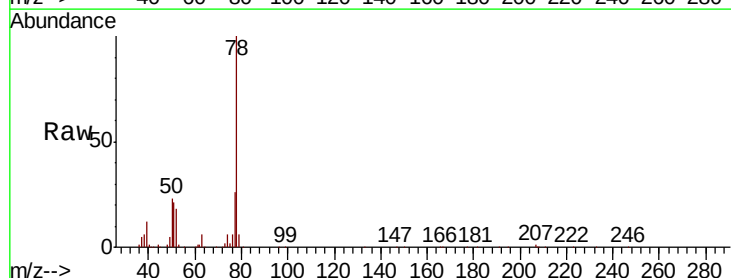
Acq: 10 May 2019 12:47

Tgt Ion: 78 Resp: 184862

Ion Ratio Lower Upper

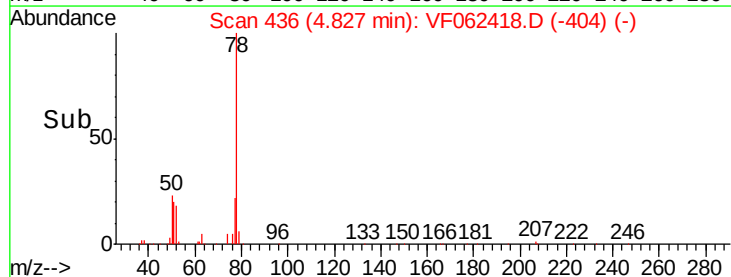
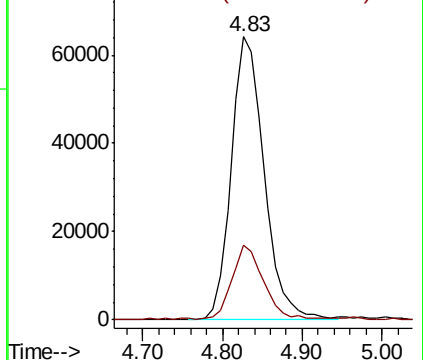
78 100

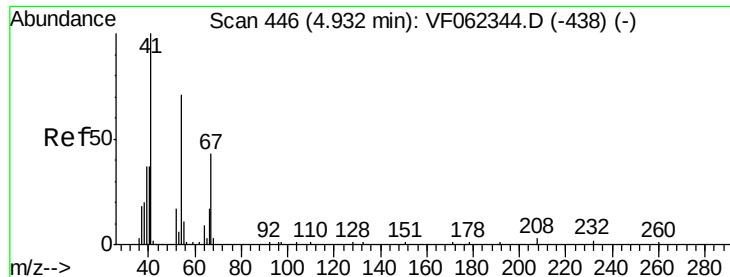
77 26.0 21.6 32.4



Abundance Ion 78.00 (77.70 to 78.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

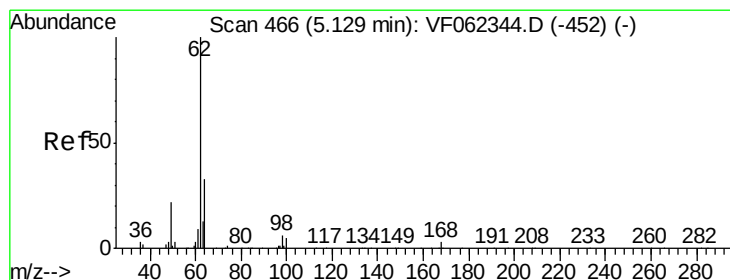
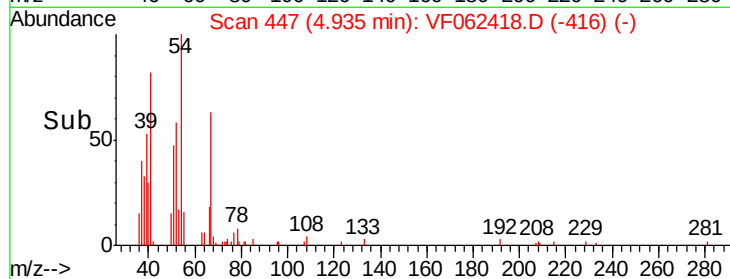
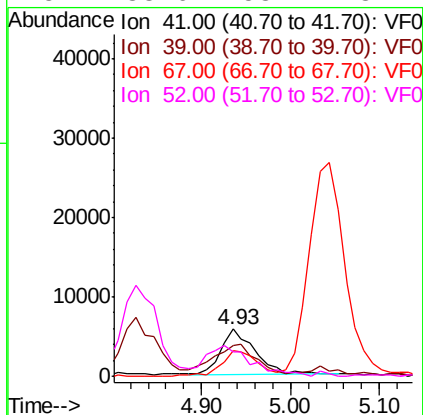
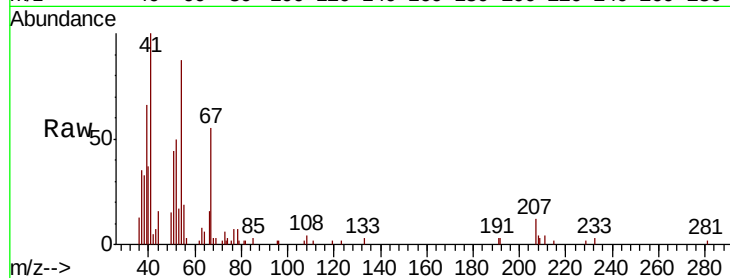




#41
Methacrylonitrile
Concen: 17.319 ug/l
RT: 4.93 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

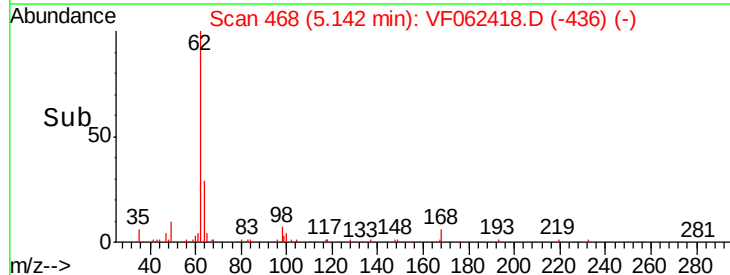
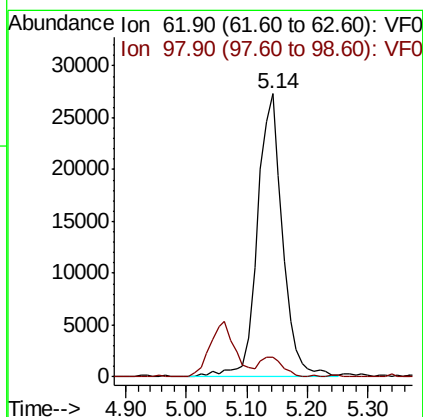
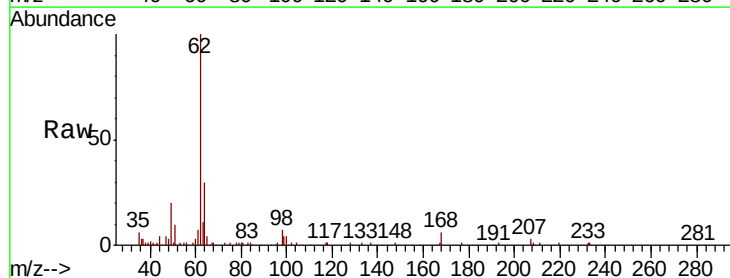
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

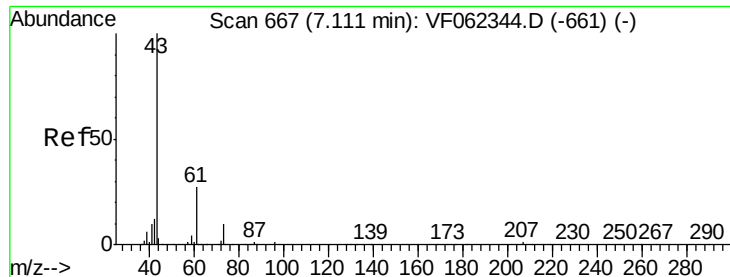
Tgt Ion:	41	Resp:	15416
Ion	Ratio	Lower	Upper
41	100		
39	80.7	54.3	81.5
67	58.2	37.8	56.8#
52	88.6	58.2	87.4#



#42
1,2-Dichloroethane
Concen: 23.128 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion:	62	Resp:	79073
Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	12.4



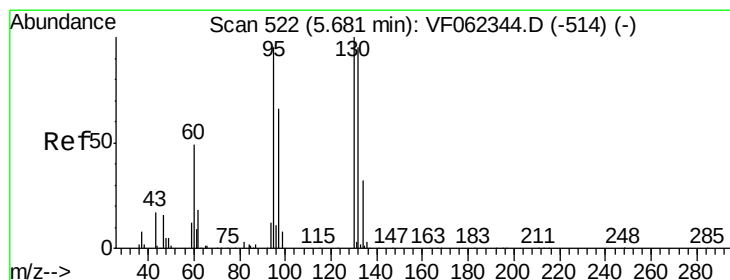
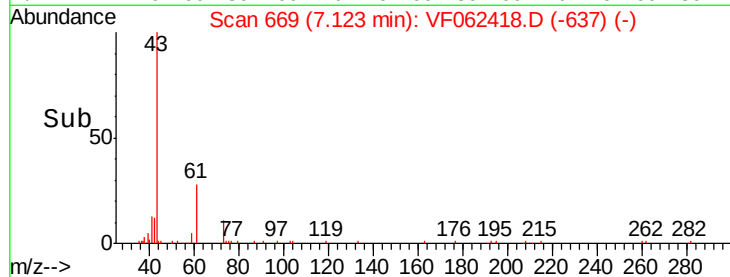
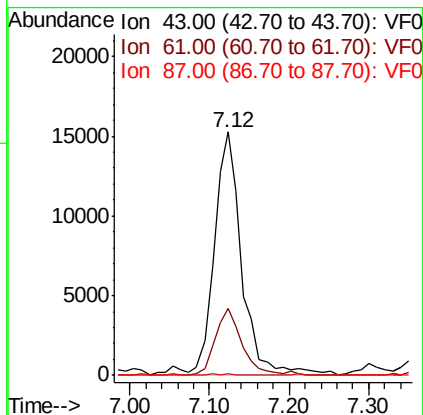
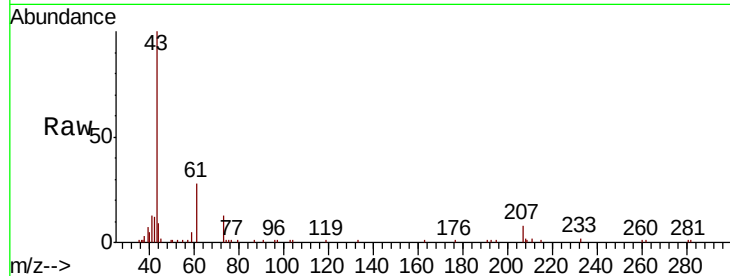


#43

Isopropyl Acetate
 Concen: 21.783 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS01

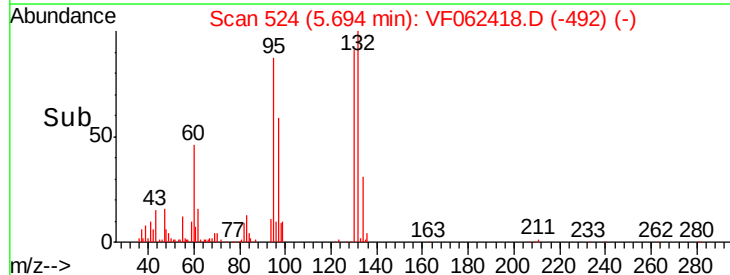
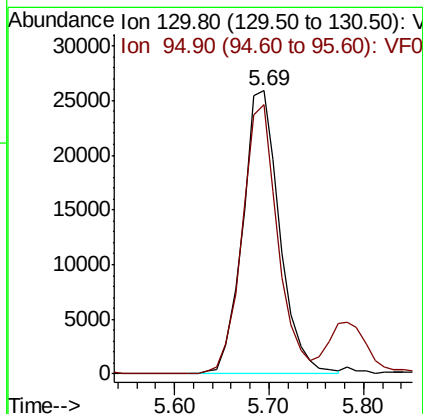
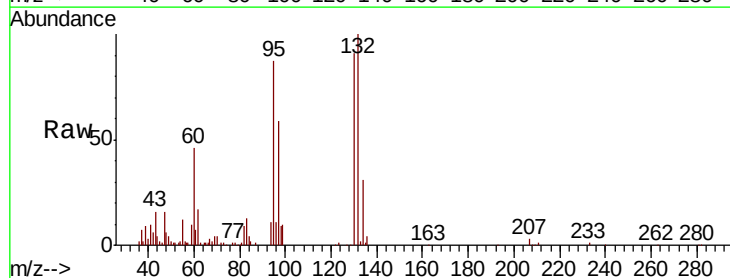
Tgt Ion: 43 Resp: 36780
 Ion Ratio Lower Upper
 43 100
 61 26.8 22.8 34.2
 87 0.4 0.6 1.0#

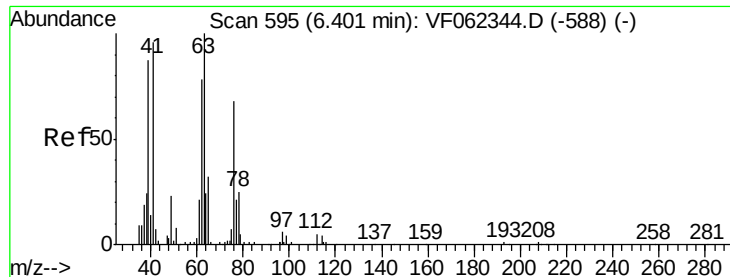


#44

Trichloroethene
 Concen: 23.304 ug/l
 RT: 5.69 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion: 130 Resp: 69981
 Ion Ratio Lower Upper
 130 100
 95 95.1 0.0 189.0

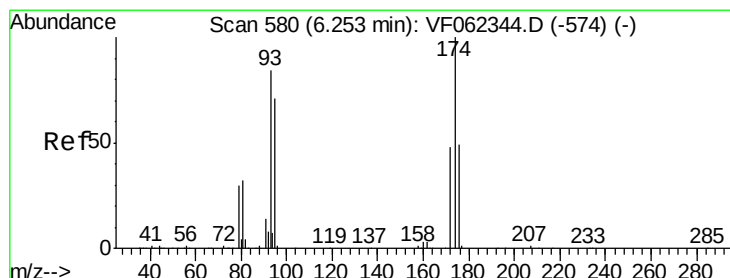
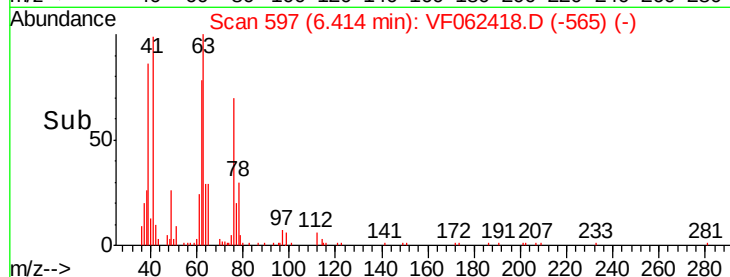
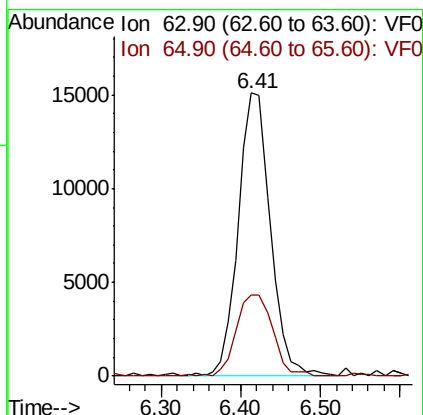
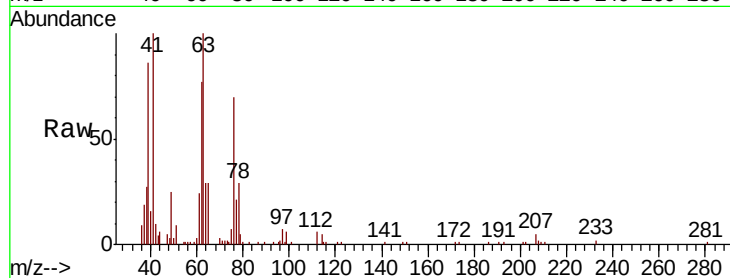




#45
1,2-Dichloropropane
Concen: 22.799 ug/l
RT: 6.41 min Scan# 597
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

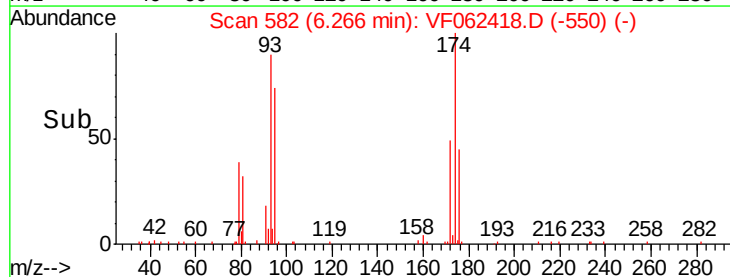
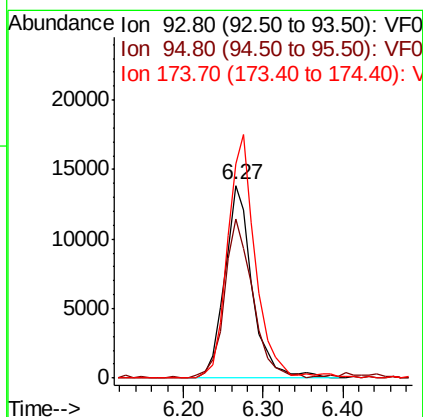
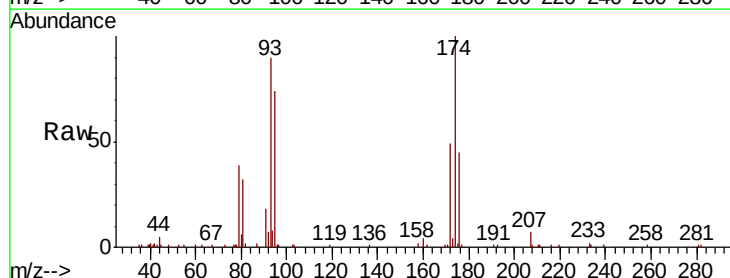
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

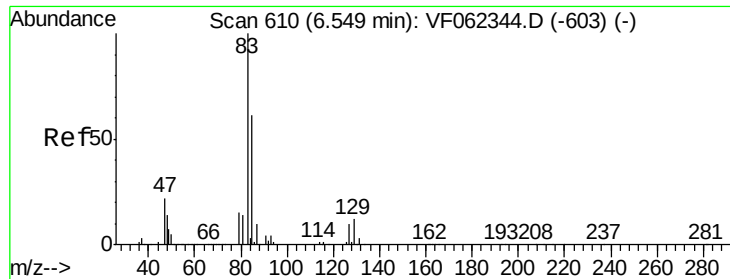
Tgt Ion: 63 Resp: 42214
Ion Ratio Lower Upper
63 100
65 28.7 25.6 38.4



#46
Dibromomethane
Concen: 21.895 ug/l
RT: 6.27 min Scan# 582
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion: 93 Resp: 33612
Ion Ratio Lower Upper
93 100
95 84.6 68.4 102.6
174 125.7 99.6 149.4





#47

Bromodichloromethane

Concen: 23.090 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

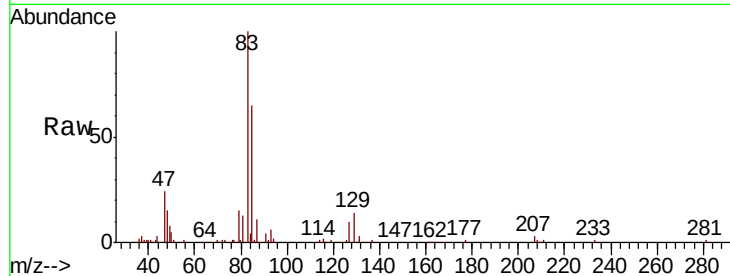
Tgt Ion: 83 Resp: 88622

Ion Ratio Lower Upper

83 100

85 65.4 49.1 73.7

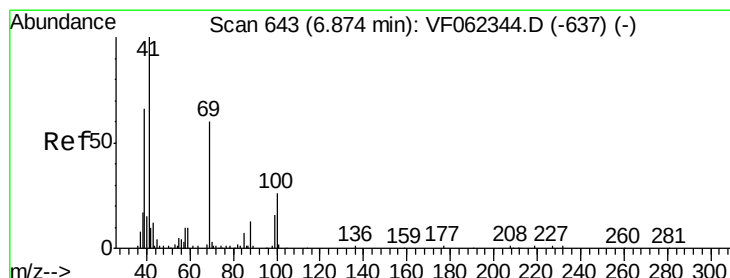
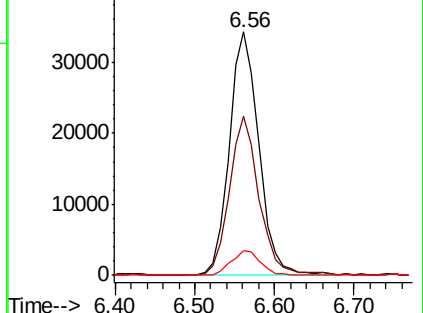
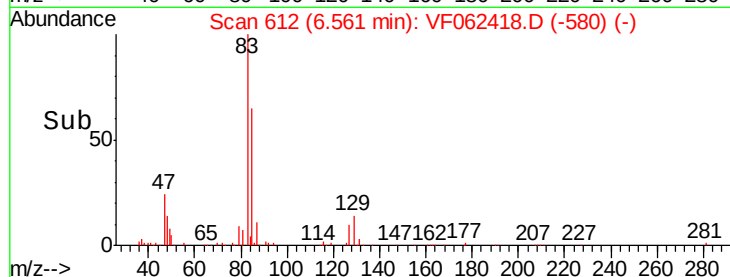
127 10.0 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.155 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

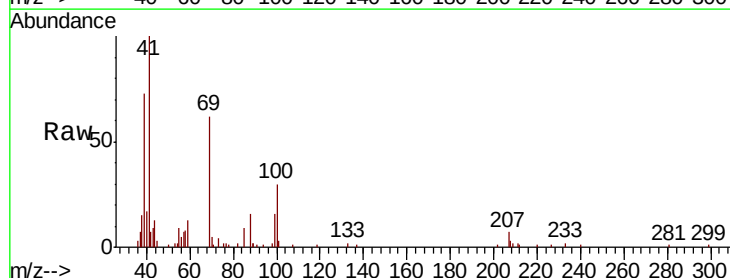
Tgt Ion: 41 Resp: 26437

Ion Ratio Lower Upper

41 100

69 59.9 48.6 72.8

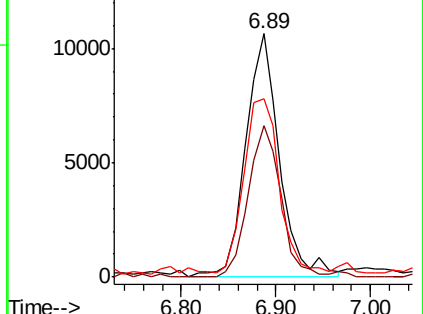
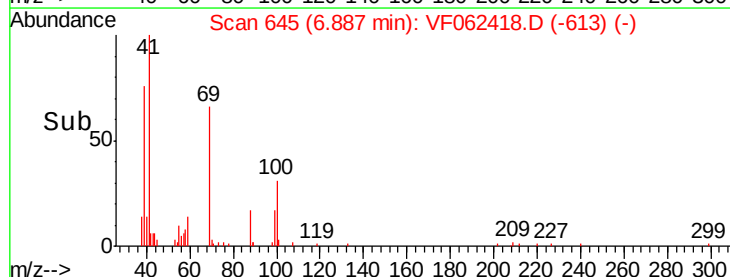
39 74.7 56.1 84.1

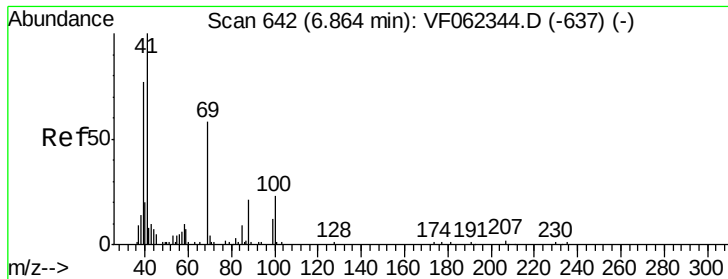


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

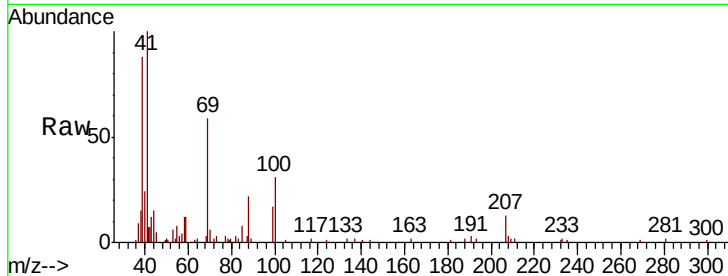




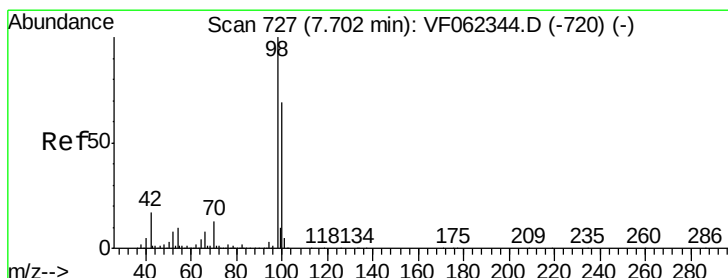
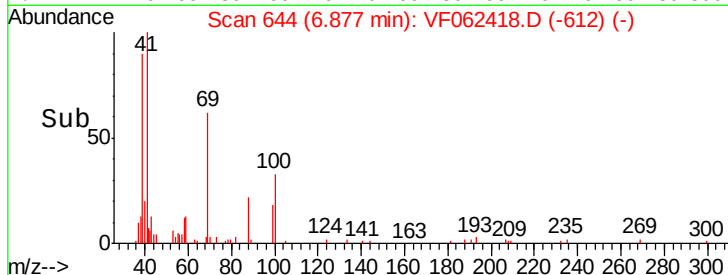
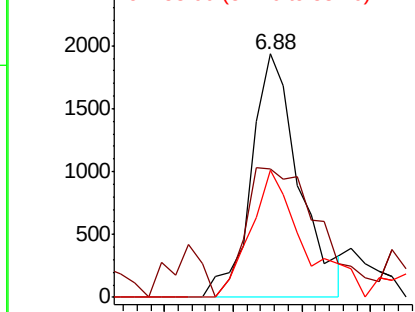
#49
1,4-Dioxane
Concen: 373.485 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD01

Tgt Ion: 88 Resp: 4684
Ion Ratio Lower Upper
88 100
43 82.8 55.6 83.4
58 57.9 52.8 79.2

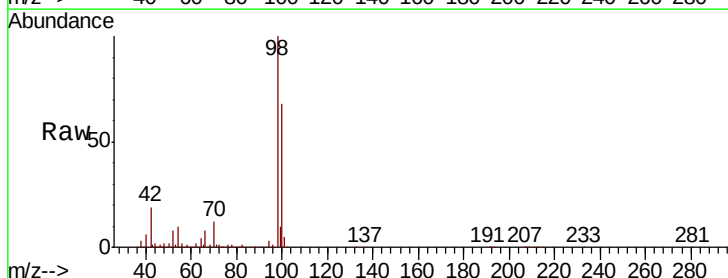


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

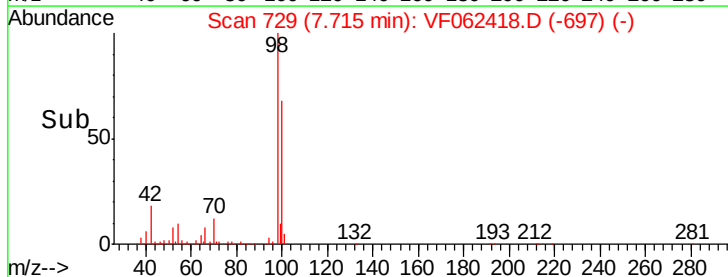
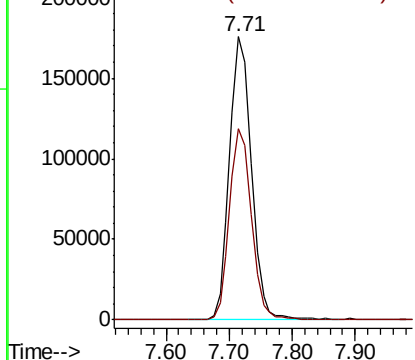


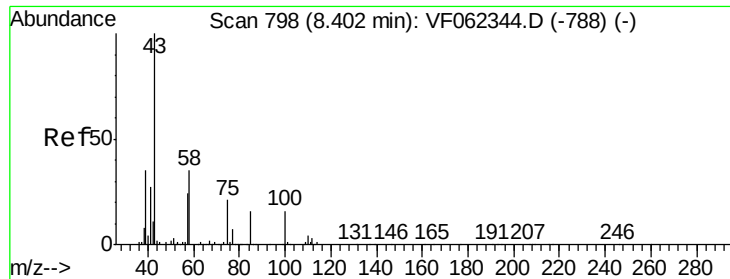
#50
Toluene-d8
Concen: 50.877 ug/l
RT: 7.71 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion: 98 Resp: 423997
Ion Ratio Lower Upper
98 100
100 67.6 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

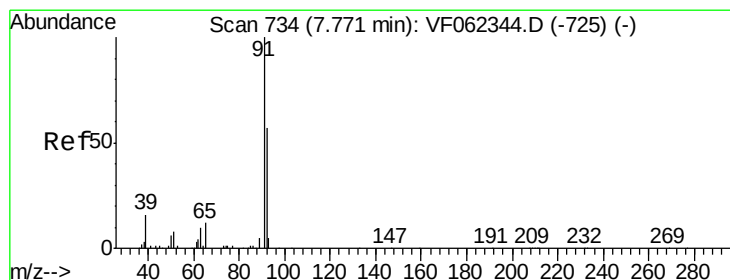
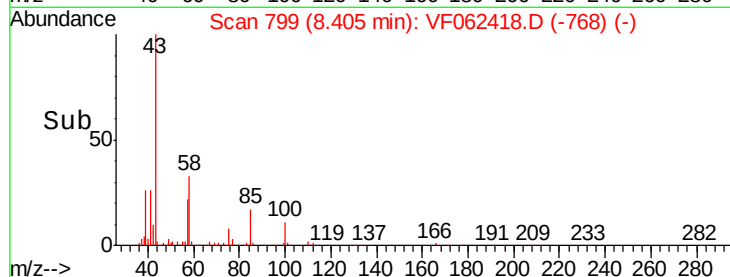
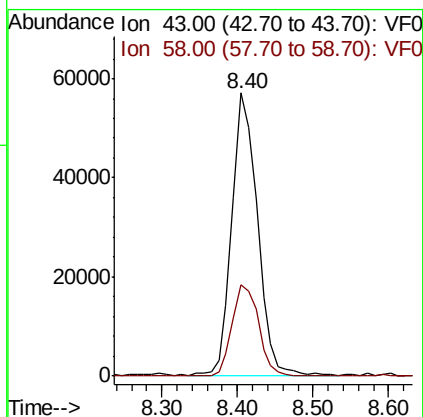
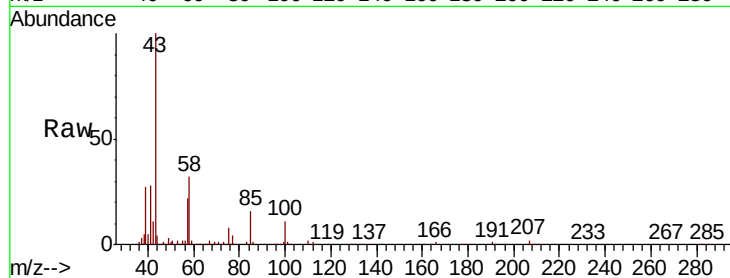




#51
 4-Methyl-2-Pentanone
 Concen: 105.400 ug/l
 RT: 8.40 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

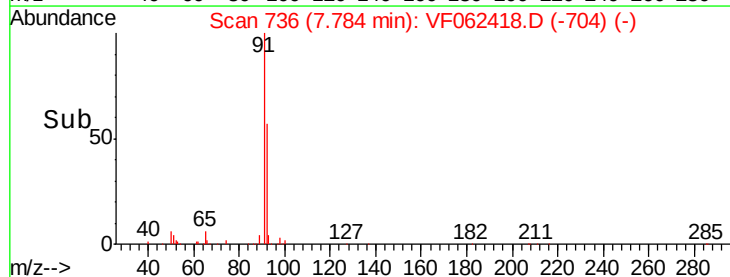
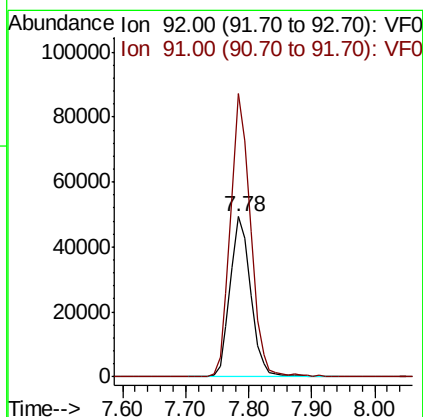
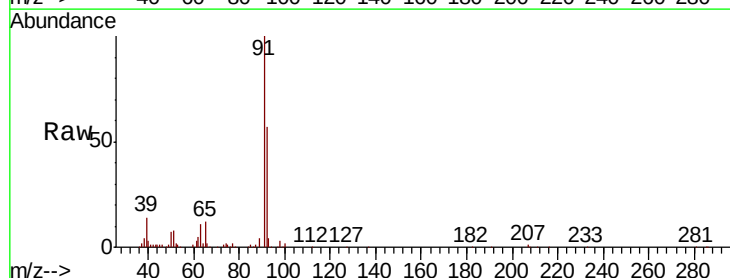
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD01

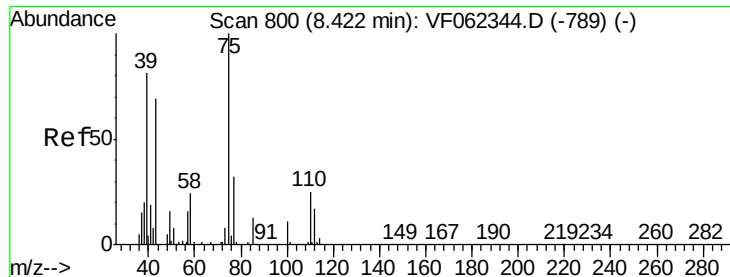
Tgt Ion: 43 Resp: 134855
 Ion Ratio Lower Upper
 43 100
 58 33.1 27.8 41.6



#52
 Toluene
 Concen: 22.191 ug/l
 RT: 7.78 min Scan# 736
 Delta R.T. 0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion: 92 Resp: 111907
 Ion Ratio Lower Upper
 92 100
 91 171.2 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 21.556 ug/l

RT: 8.43 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

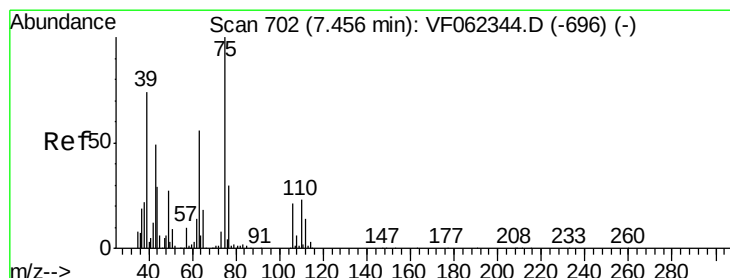
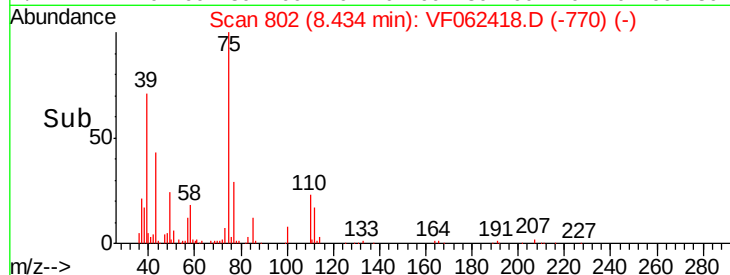
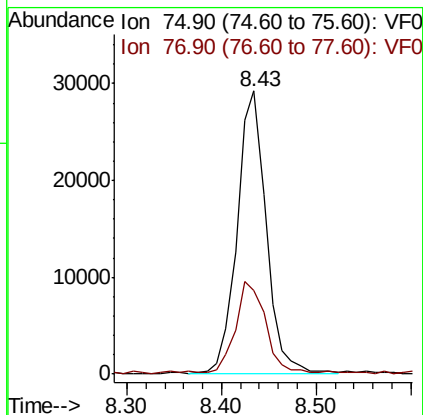
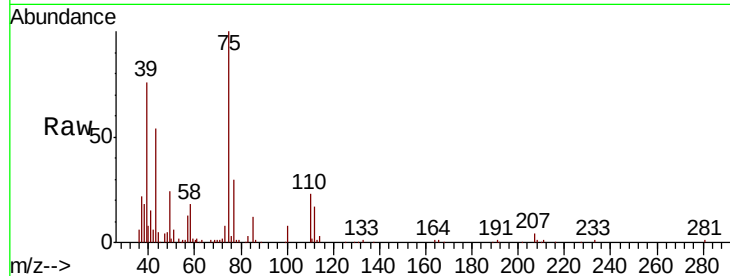
VF0510SBSD01

Tgt Ion: 75 Resp: 62577

Ion Ratio Lower Upper

75 100

77 28.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 22.533 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

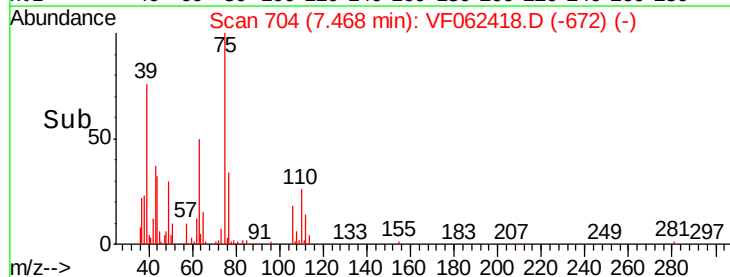
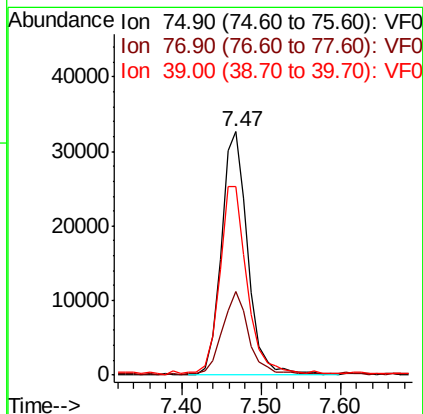
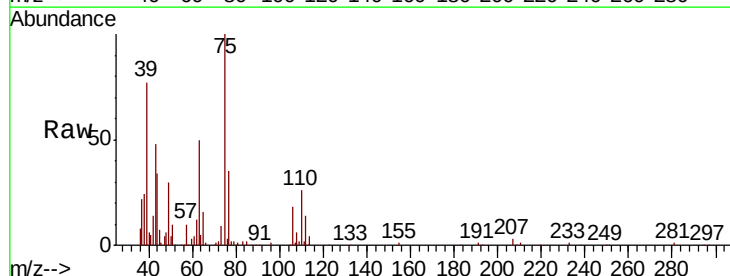
Tgt Ion: 75 Resp: 76129

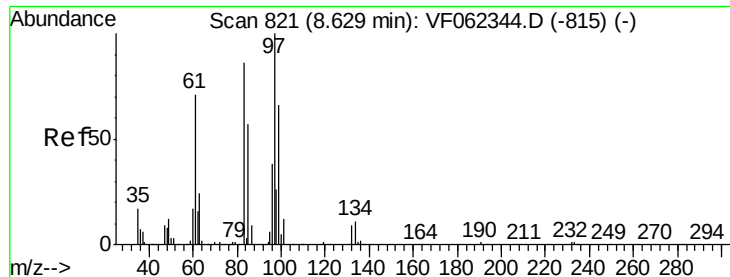
Ion Ratio Lower Upper

75 100

77 34.0 24.0 36.0

39 76.5 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 21.770 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

Tgt Ion: 97 Resp: 34851

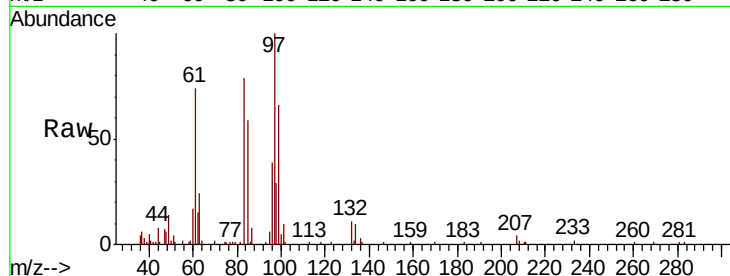
Ion Ratio Lower Upper

97 100

83 79.0 68.5 102.7

85 58.7 45.4 68.2

99 65.6 52.7 79.1

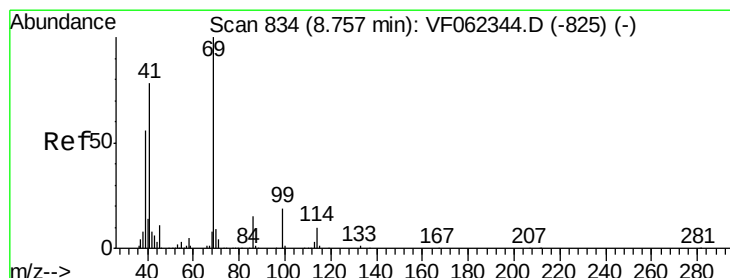
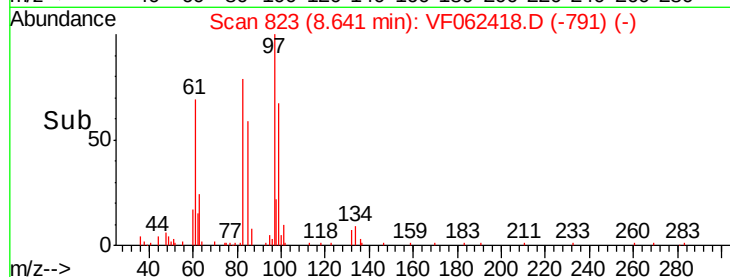
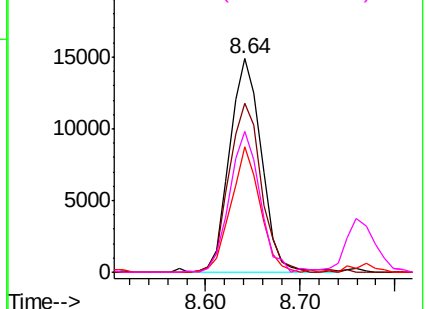


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 19.530 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

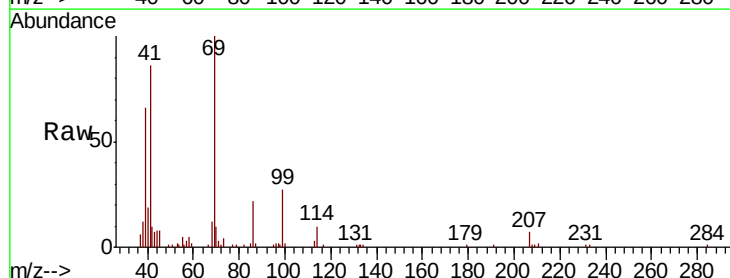
Tgt Ion: 69 Resp: 33003

Ion Ratio Lower Upper

69 100

41 84.7 66.3 99.5

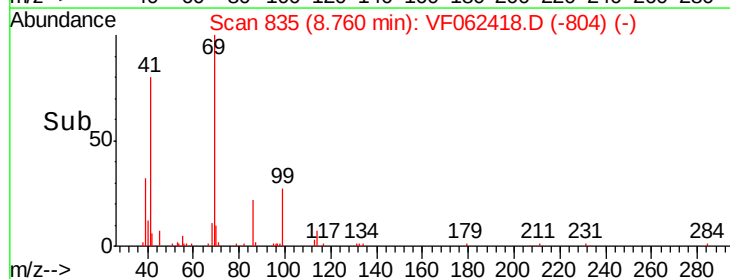
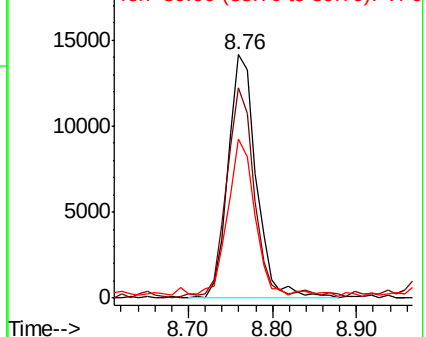
39 60.0 50.1 75.1

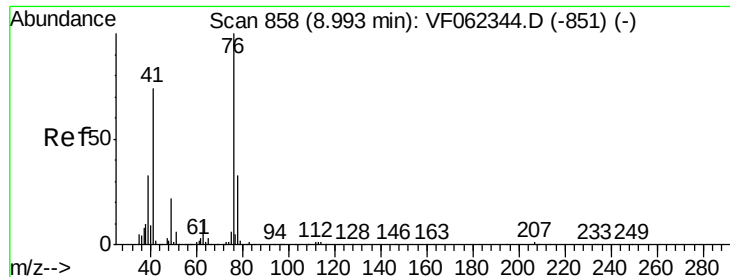


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.978 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

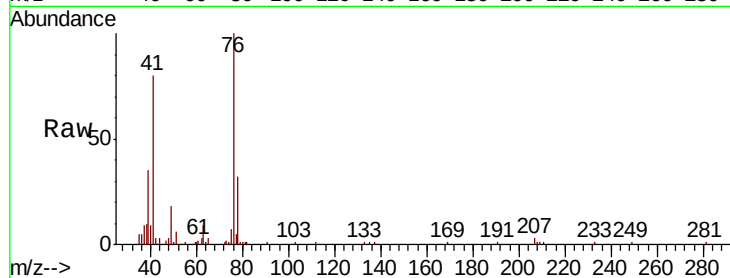
VF0510SBSD01

Tgt Ion: 76 Resp: 53147

Ion Ratio Lower Upper

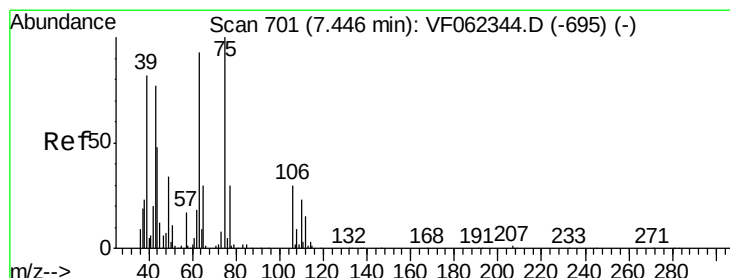
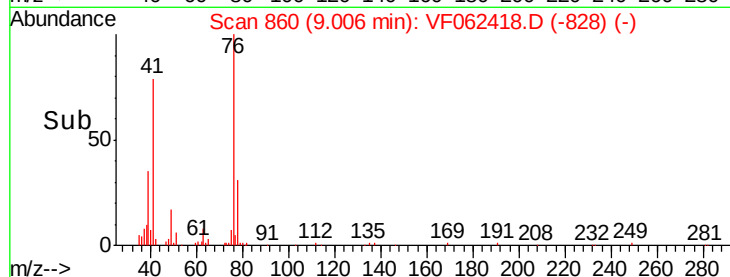
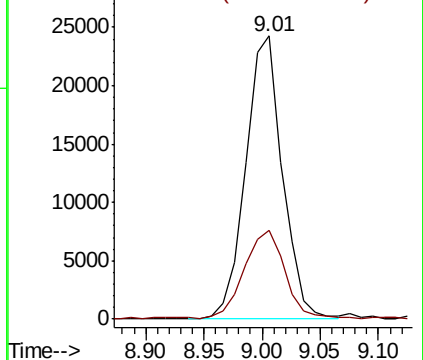
76 100

78 35.1 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 105.924 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062418.D

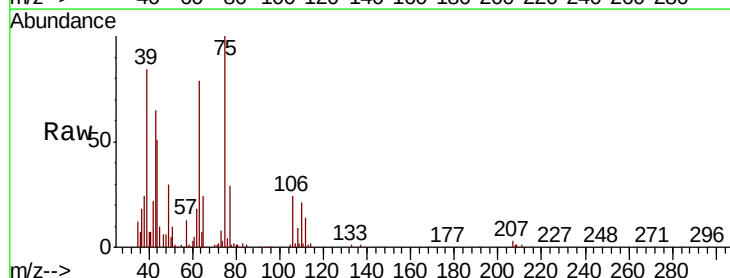
Acq: 10 May 2019 12:47

Tgt Ion: 63 Resp: 53816

Ion Ratio Lower Upper

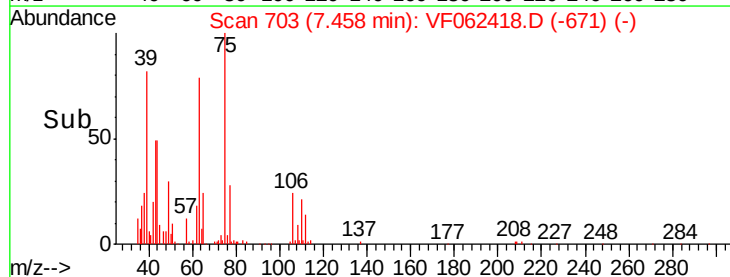
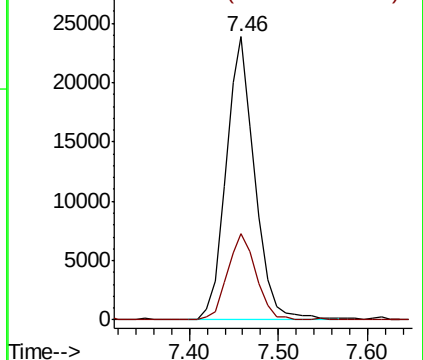
63 100

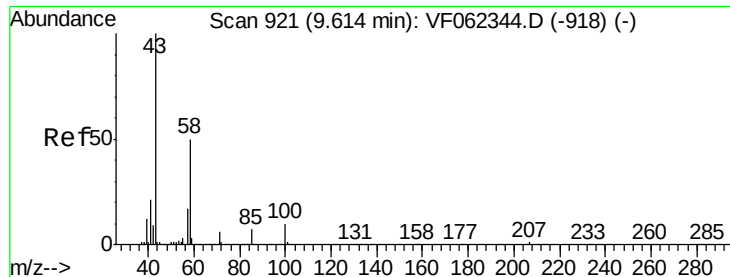
106 30.4 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

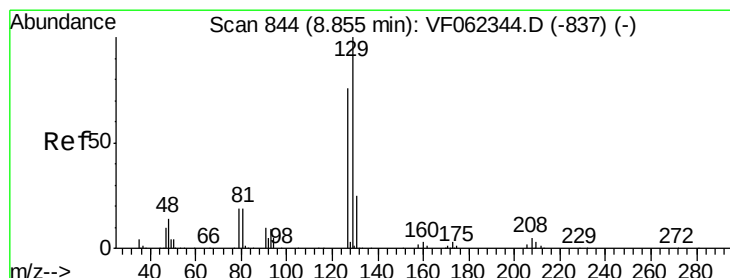
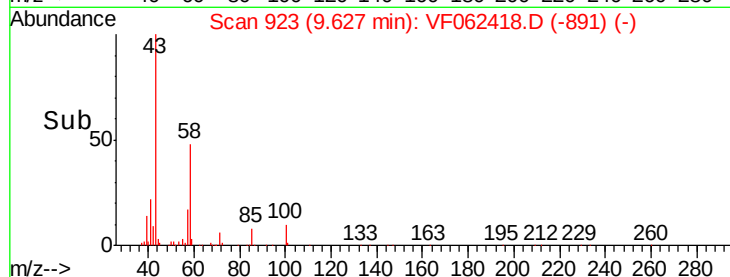
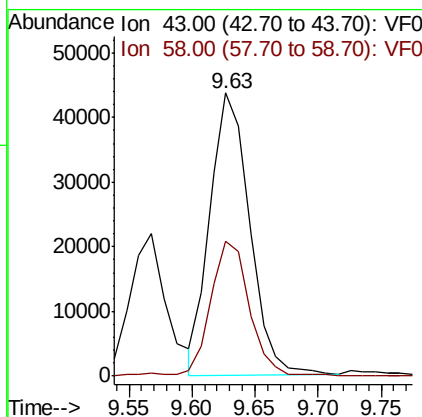
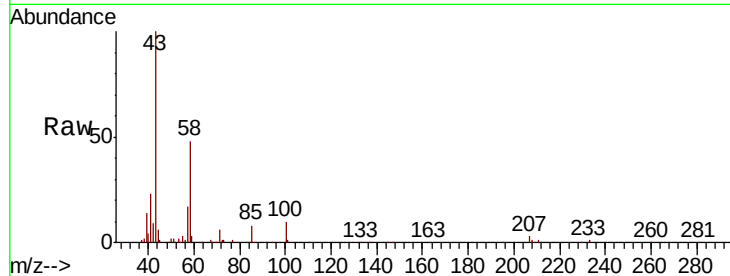




#59
2-Hexanone
Concen: 107.210 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

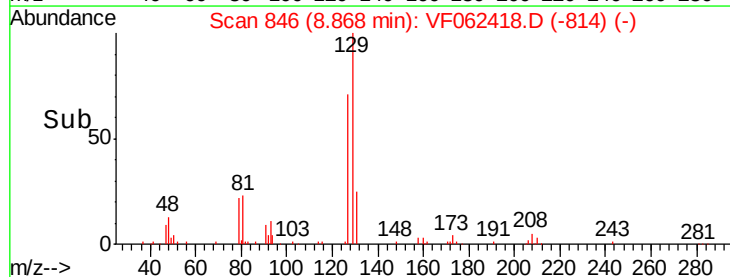
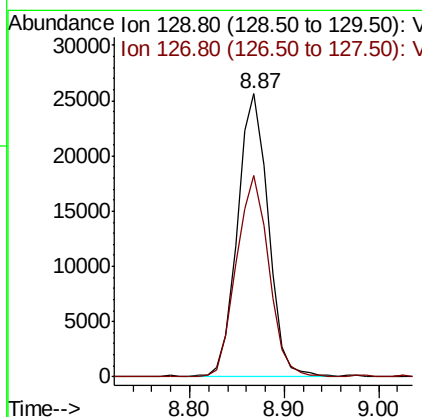
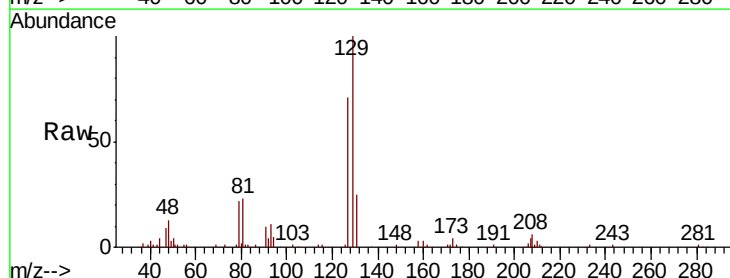
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD01

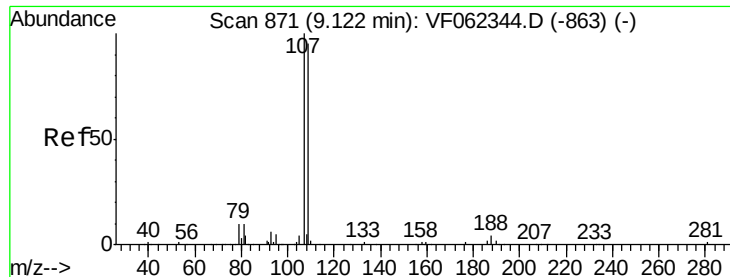
Tgt Ion: 43 Resp: 94867
Ion Ratio Lower Upper
43 100
58 47.8 24.3 73.0



#60
Dibromochloromethane
Concen: 22.116 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion: 129 Resp: 57905
Ion Ratio Lower Upper
129 100
127 74.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.219 ug/l

RT: 9.13 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

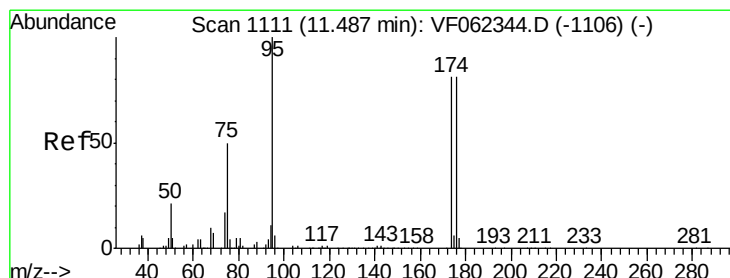
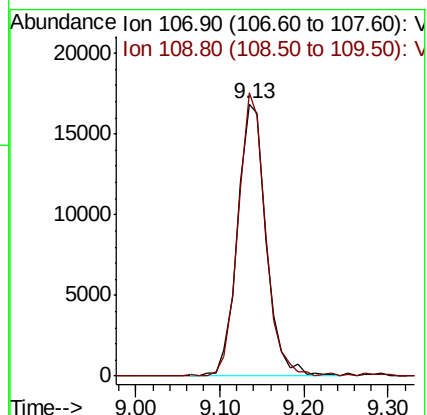
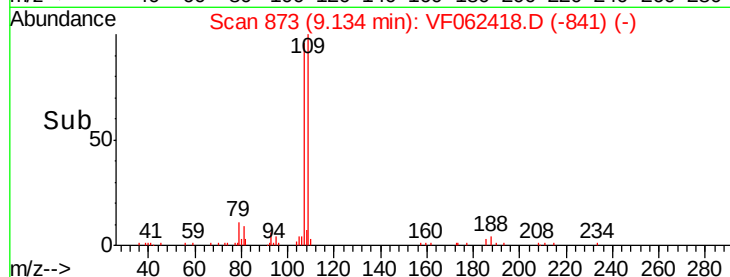
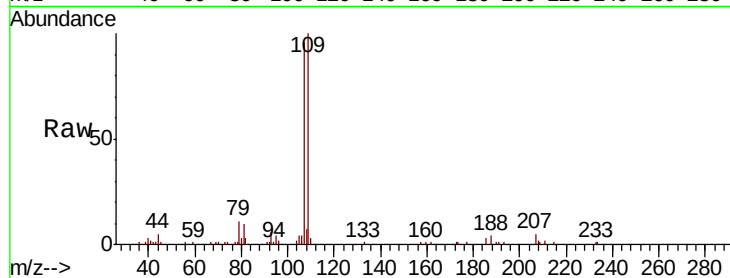
VF0510SBSD01

Tgt Ion:107 Resp: 39924

Ion Ratio Lower Upper

107 100

109 99.5 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 52.352 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

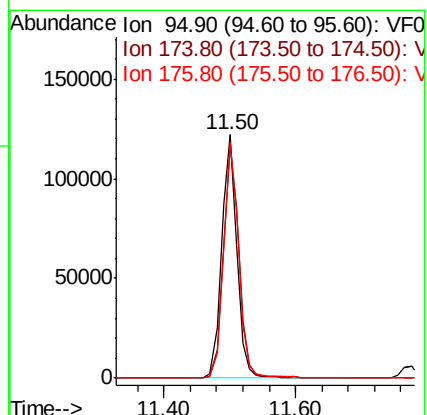
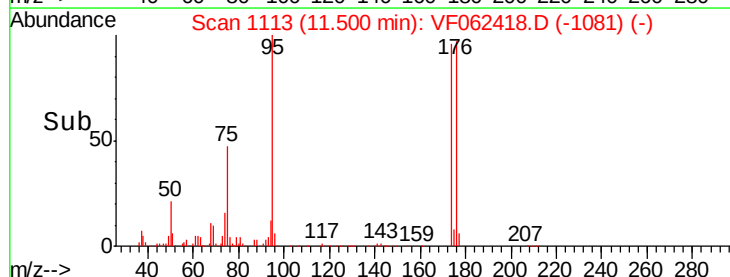
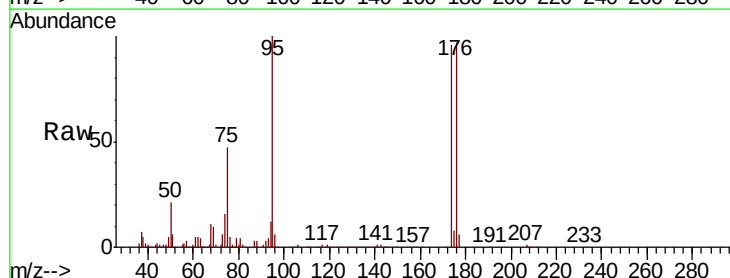
Tgt Ion: 95 Resp: 196836

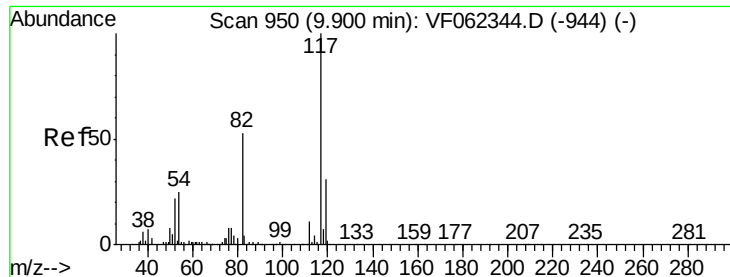
Ion Ratio Lower Upper

95 100

174 98.2 0.0 191.8

176 96.6 0.0 193.2

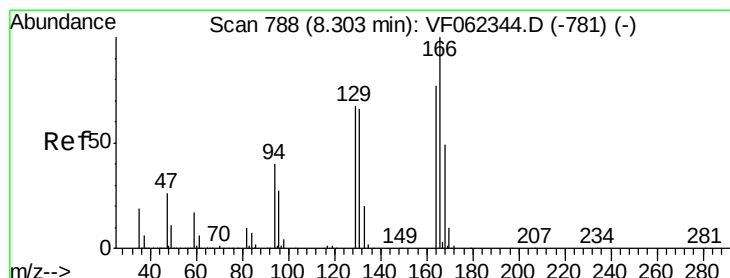
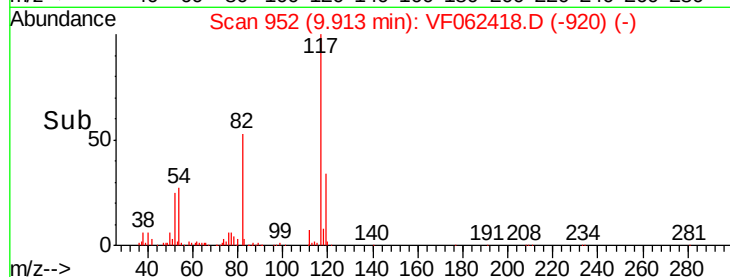
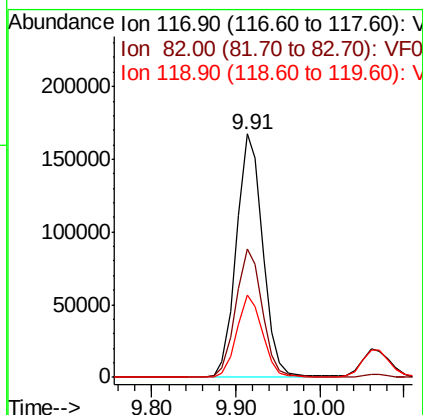
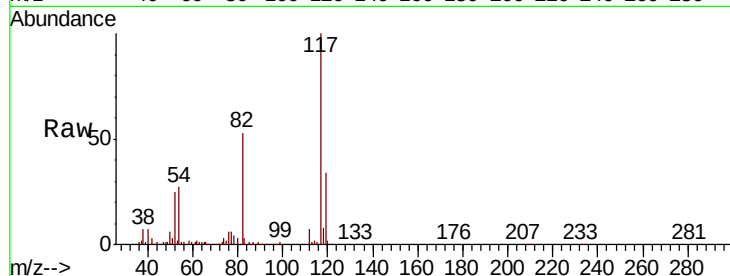




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

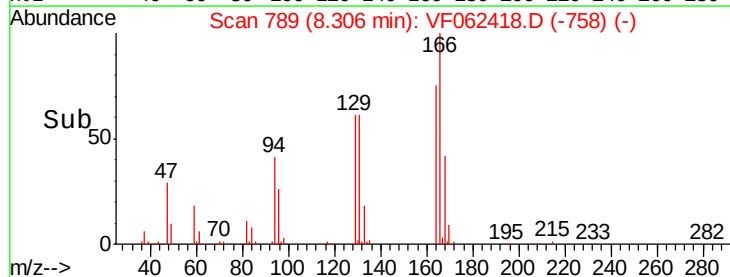
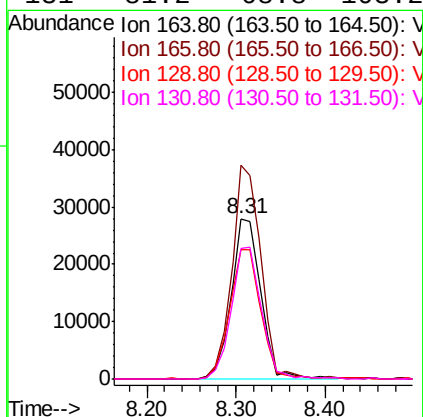
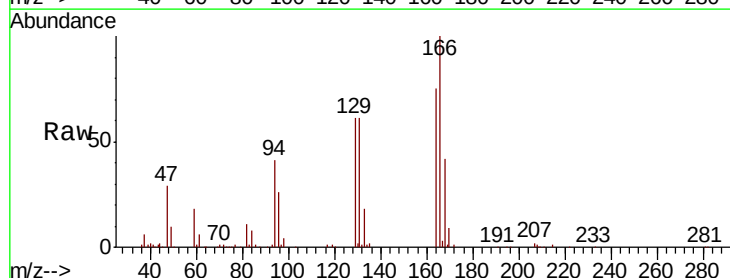
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

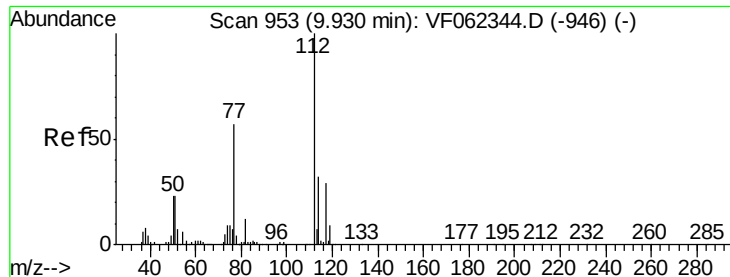
Tgt Ion:117 Resp: 366707
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.2
119 33.9 25.0 37.4



#64
Tetrachloroethene
Concen: 21.742 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion:164 Resp: 64728
Ion Ratio Lower Upper
164 100
166 133.2 104.2 156.4
129 81.0 69.6 104.4
131 81.2 68.8 103.2

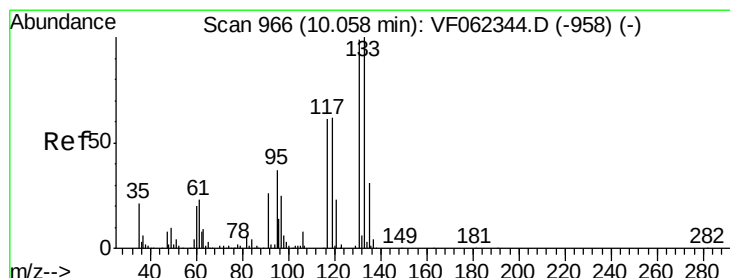
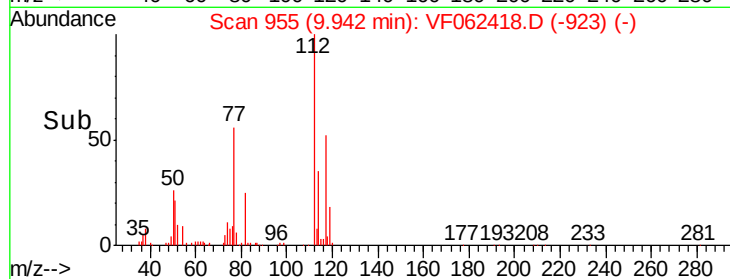
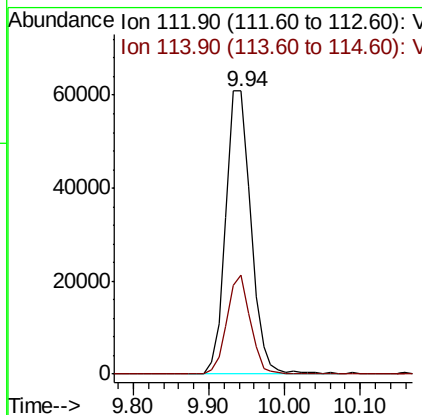
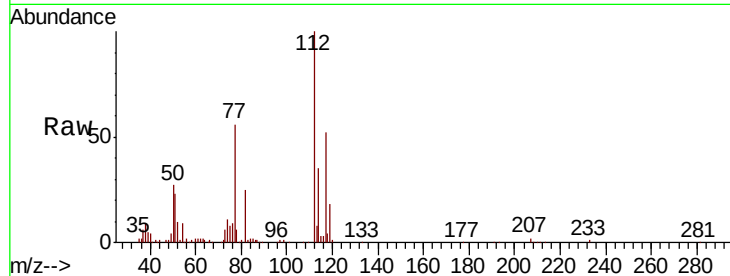




#65
Chlorobenzene
Concen: 23.181 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

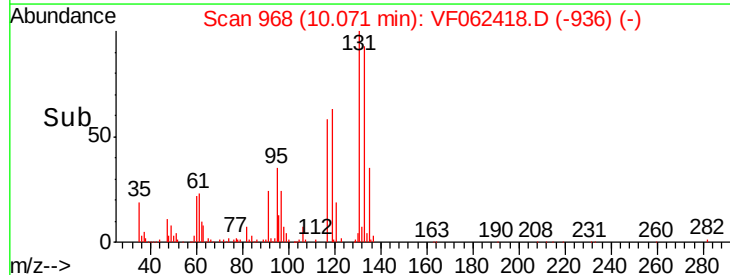
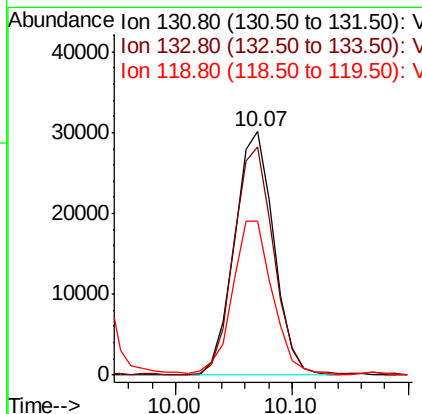
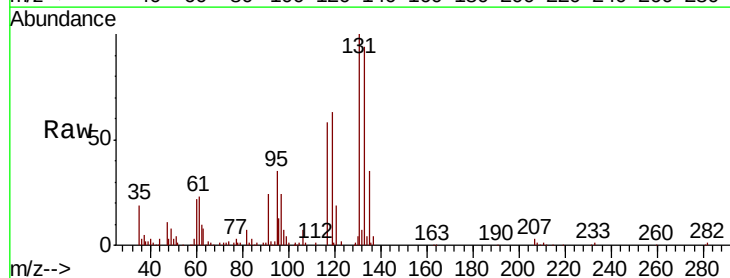
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD01

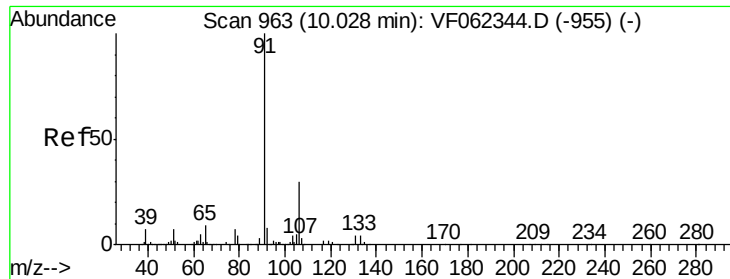
Tgt Ion:112 Resp: 140647
Ion Ratio Lower Upper
112 100
114 35.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.969 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion:131 Resp: 70305
Ion Ratio Lower Upper
131 100
133 95.3 50.2 150.7
119 63.8 31.6 95.0





#67

Ethyl Benzene

Concen: 23.368 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

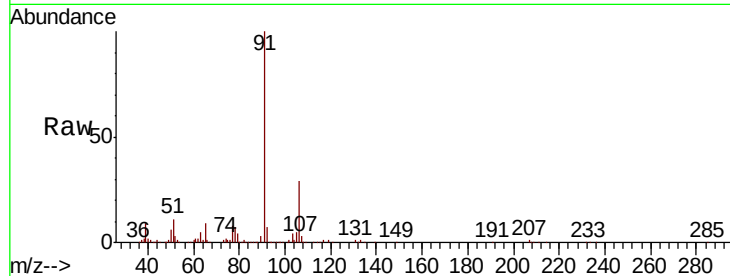
VF0510SBSD01

Tgt Ion: 91 Resp: 248272

Ion Ratio Lower Upper

91 100

106 29.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

120000

100000

80000

60000

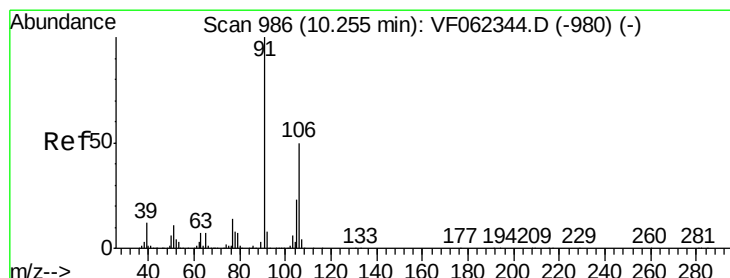
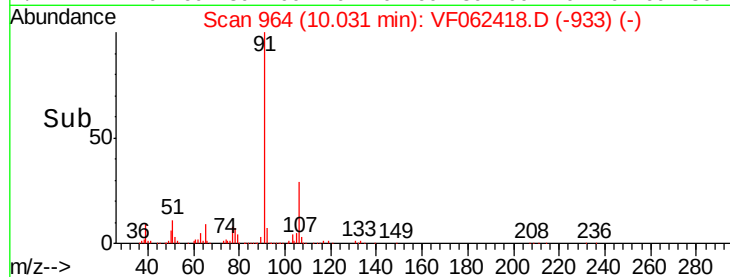
40000

20000

0

10.03

Time-->



#68

m/p-Xylenes

Concen: 47.192 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062418.D

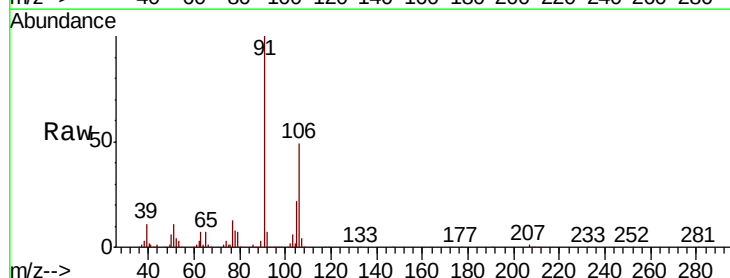
Acq: 10 May 2019 12:47

Tgt Ion: 106 Resp: 184994

Ion Ratio Lower Upper

106 100

91 212.1 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

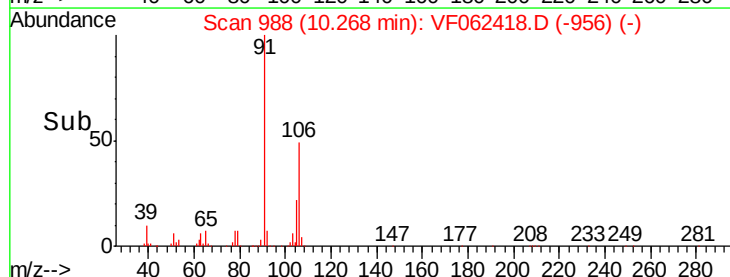
100000

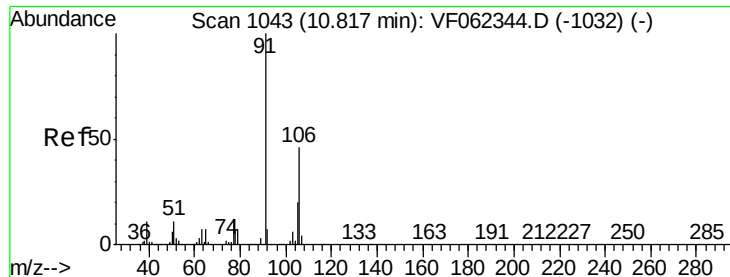
50000

0

10.27

Time-->

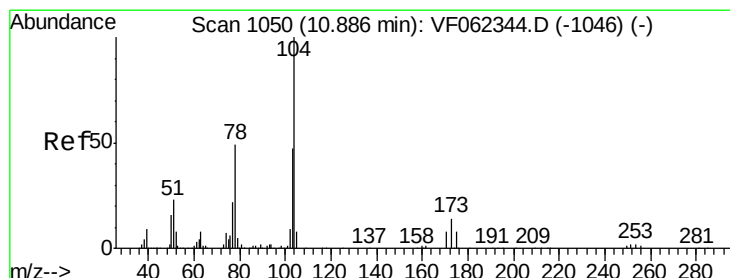
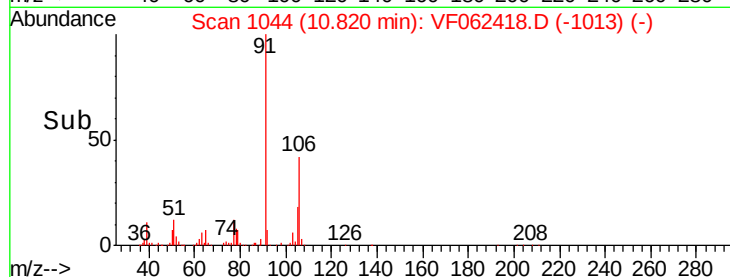
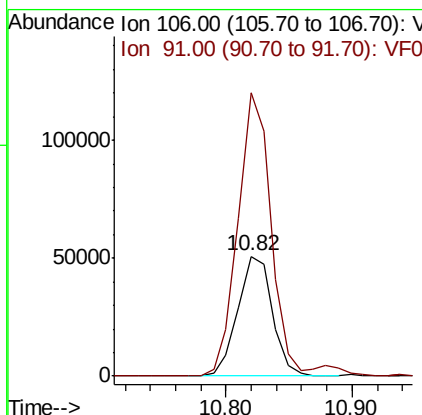
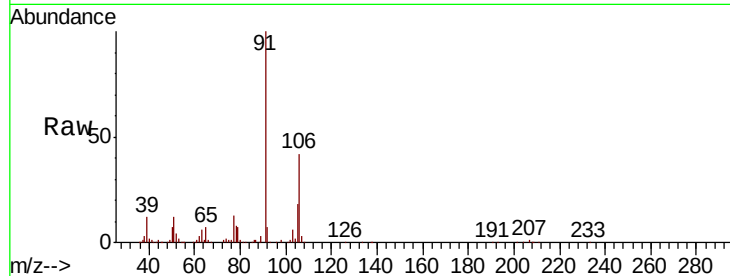




#69
o-Xylene
Concen: 22.812 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

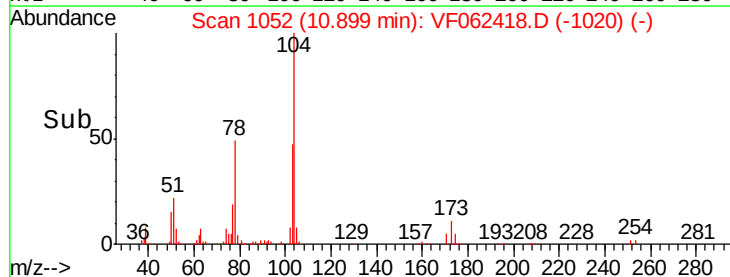
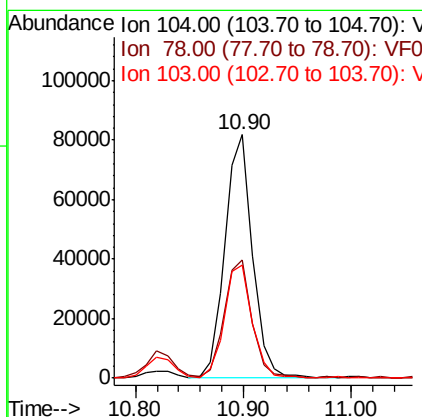
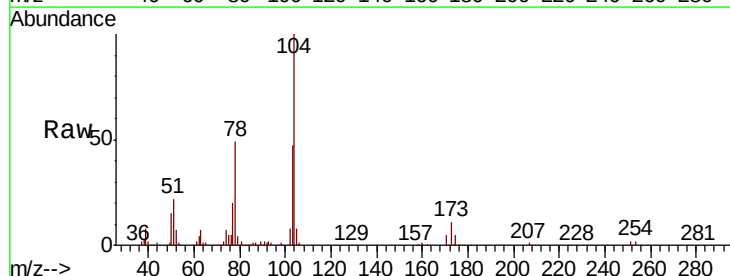
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD01

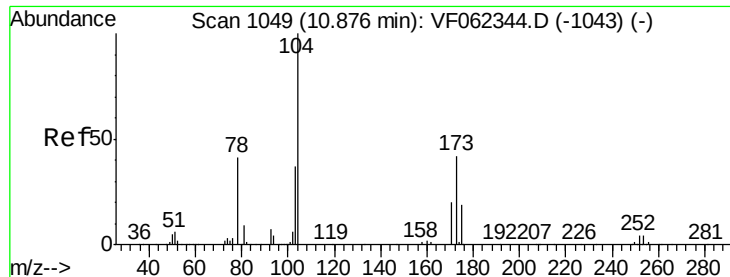
Tgt Ion:106 Resp: 96628
Ion Ratio Lower Upper
106 100
91 225.7 111.3 333.8



#70
Styrene
Concen: 22.797 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion:104 Resp: 144727
Ion Ratio Lower Upper
104 100
78 48.9 39.5 59.3
103 46.8 38.4 57.6





#71

Bromoform

Concen: 21.775 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

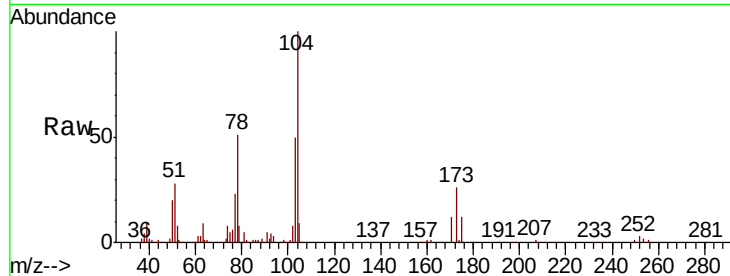
Tgt Ion:173 Resp: 36514

Ion Ratio Lower Upper

173 100

175 48.5 23.8 71.2

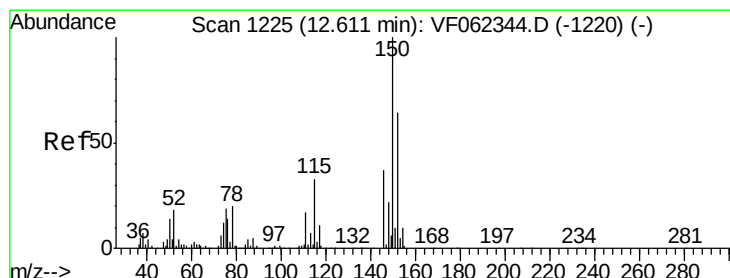
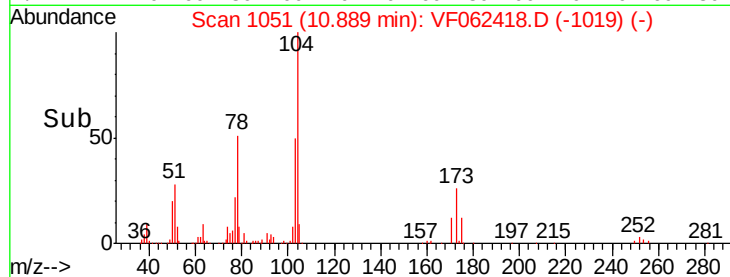
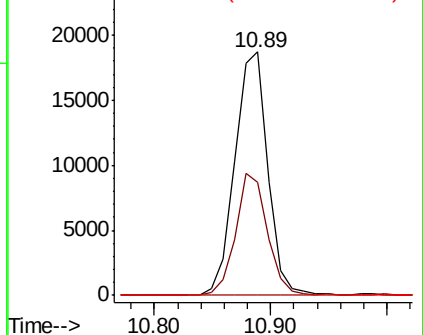
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

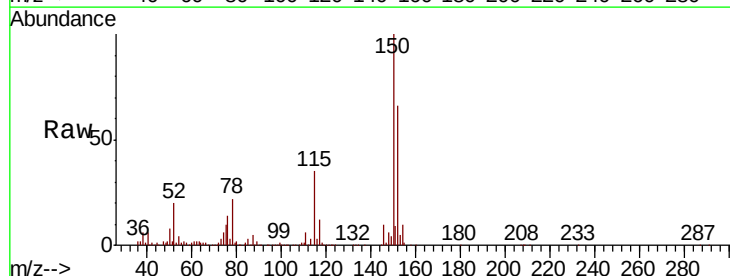
Tgt Ion:152 Resp: 238625

Ion Ratio Lower Upper

152 100

115 53.4 26.4 79.2

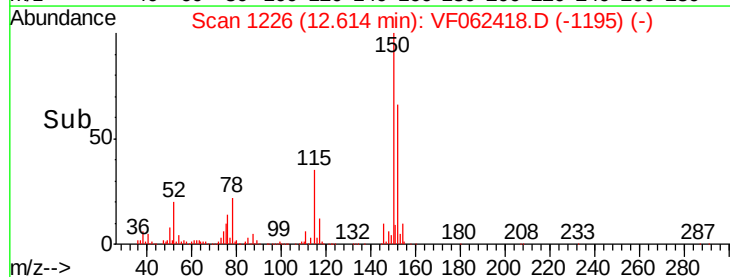
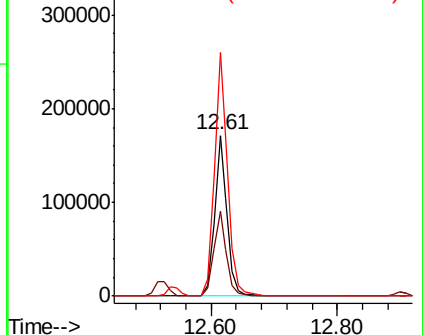
150 160.4 0.0 335.0

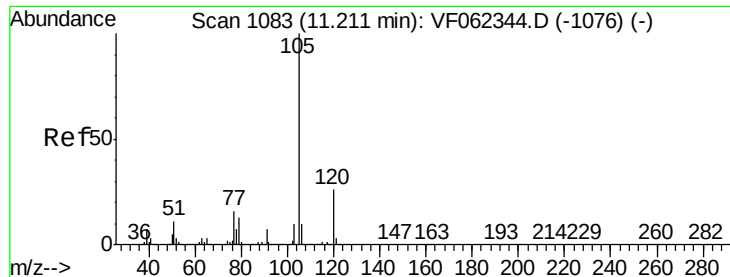


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.029 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

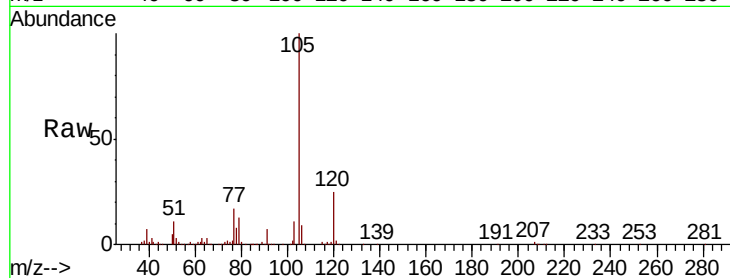
VF0510SBS01

Tgt Ion: 105 Resp: 297490

Ion Ratio Lower Upper

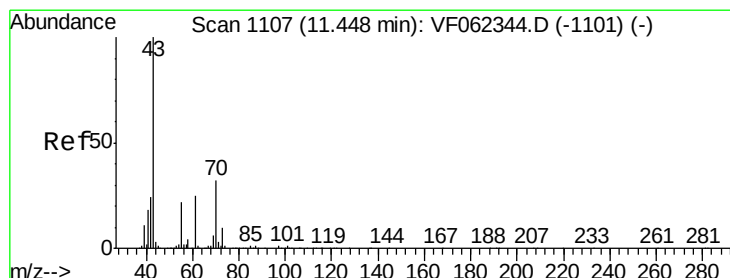
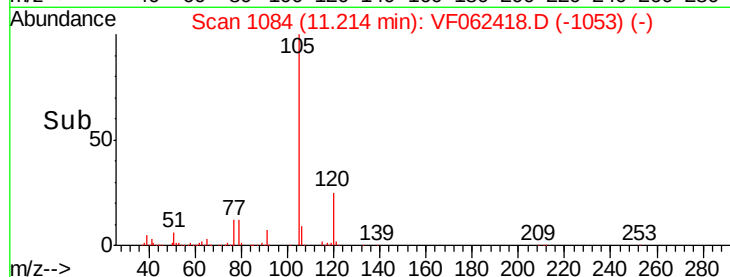
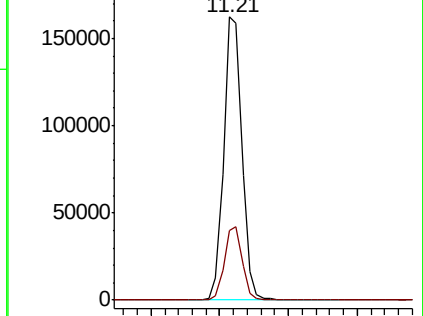
105 100

120 25.2 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.980 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Tgt Ion: 43 Resp: 60681

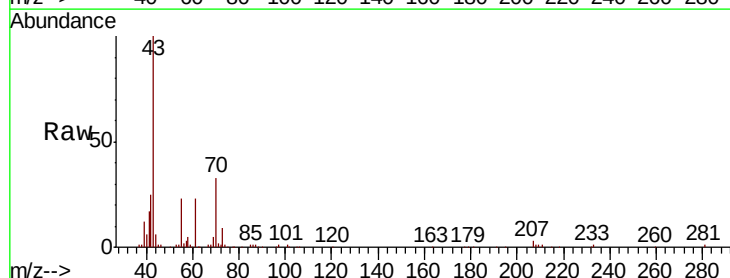
Ion Ratio Lower Upper

43 100

70 35.3 26.5 39.7

55 25.3 17.8 26.6

61 24.4 20.2 30.2

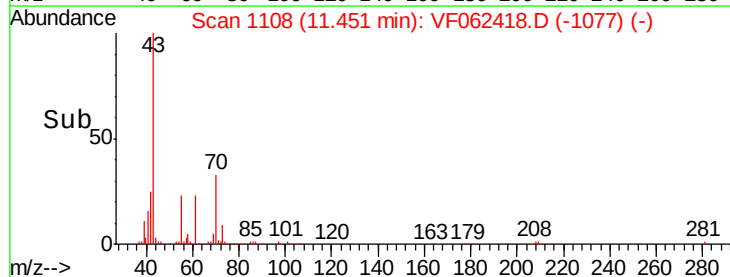
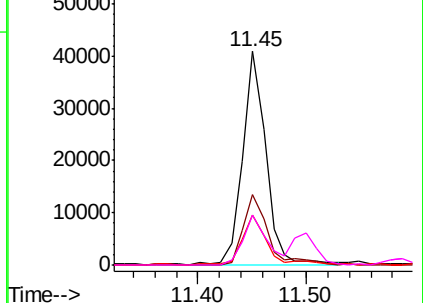


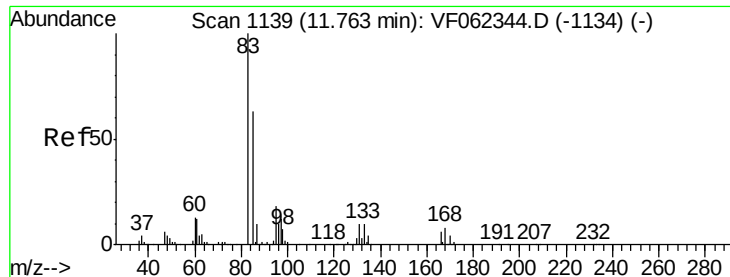
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.338 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

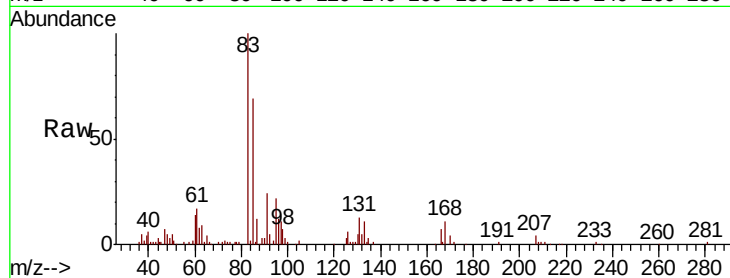
Tgt Ion: 83 Resp: 45049

Ion Ratio Lower Upper

83 100

131 13.1 5.8 17.4

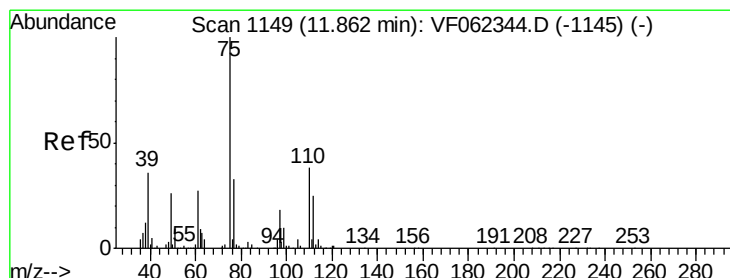
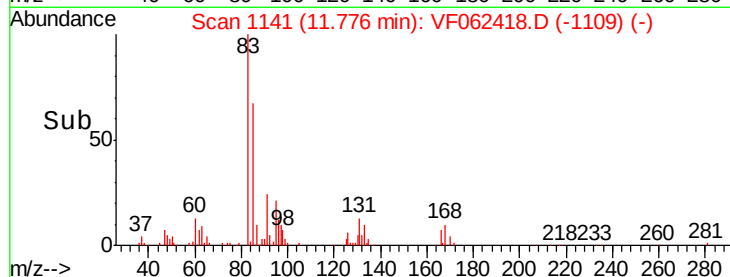
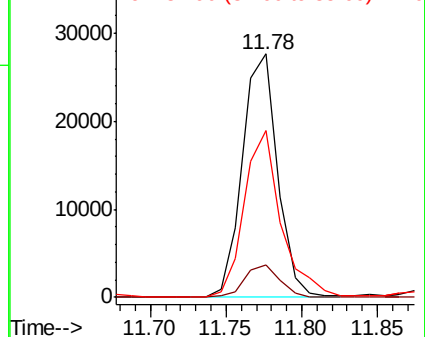
85 71.7 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 19.967 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062418.D

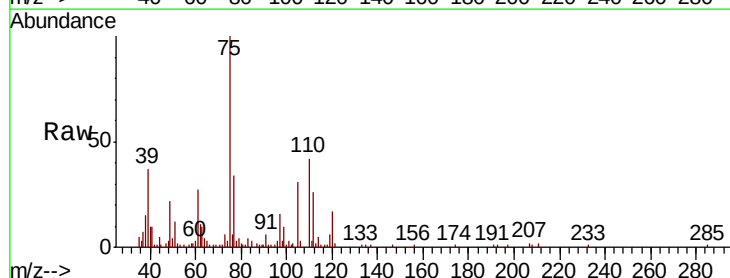
Acq: 10 May 2019 12:47

Tgt Ion: 75 Resp: 33743

Ion Ratio Lower Upper

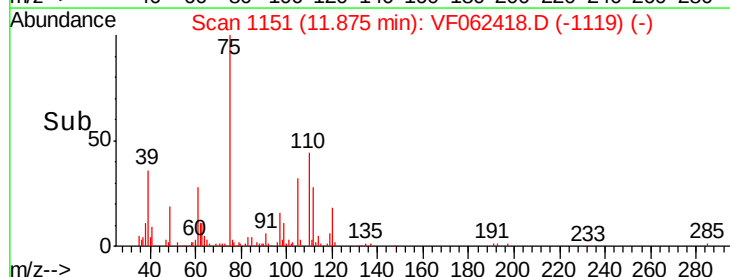
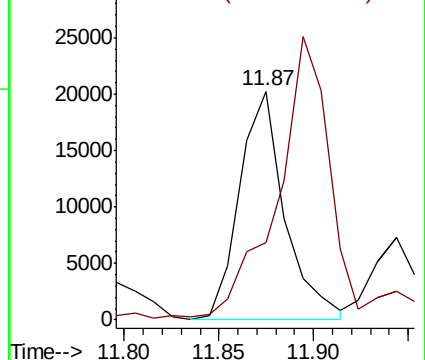
75 100

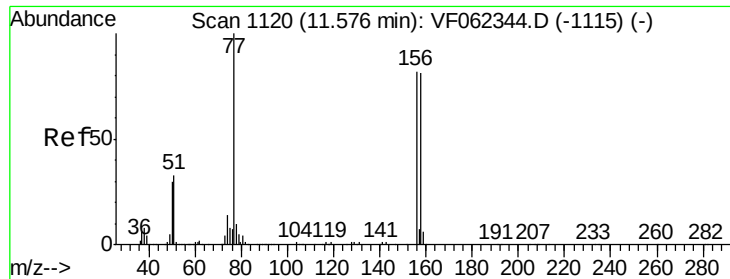
77 139.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.758 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

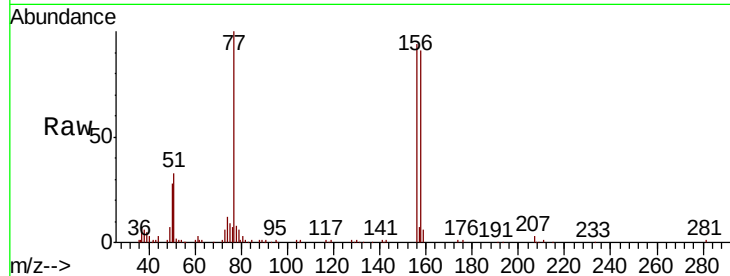
Tgt Ion: 156 Resp: 80781

Ion Ratio Lower Upper

156 100

77 123.8 64.8 194.3

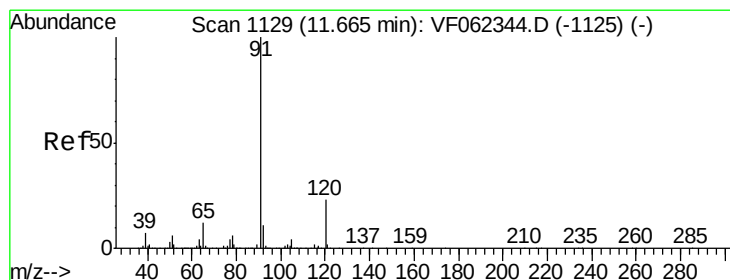
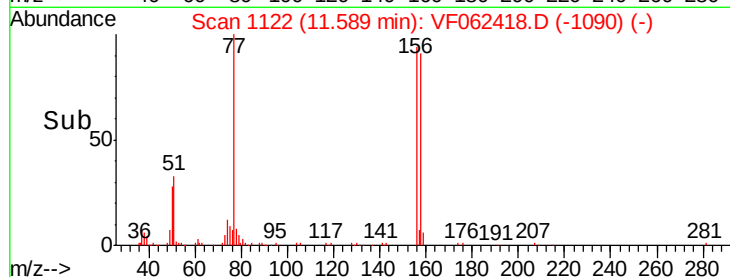
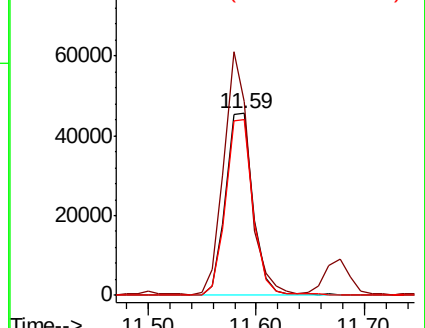
158 96.6 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.035 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF062418.D

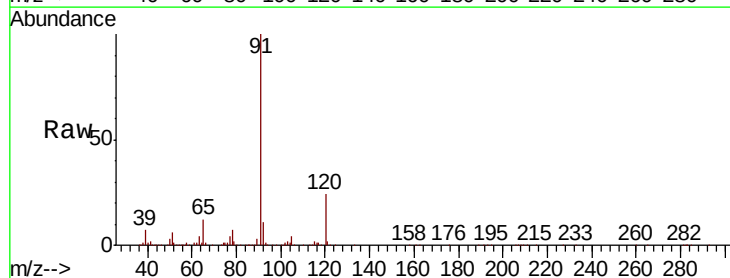
Acq: 10 May 2019 12:47

Tgt Ion: 91 Resp: 331878

Ion Ratio Lower Upper

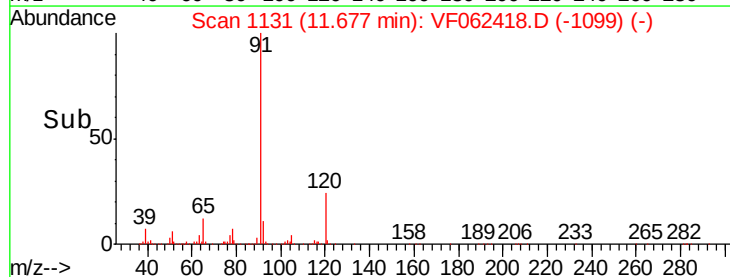
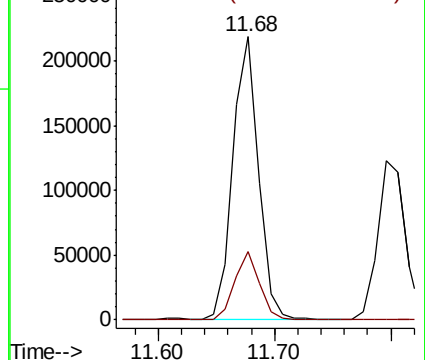
91 100

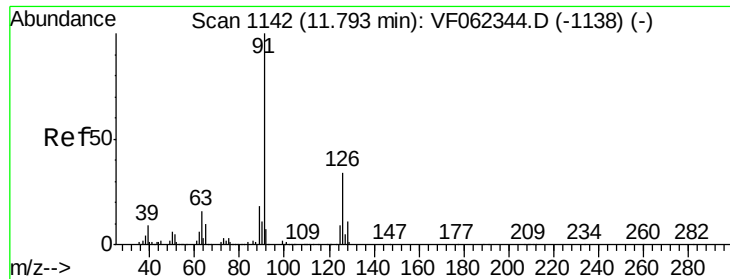
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

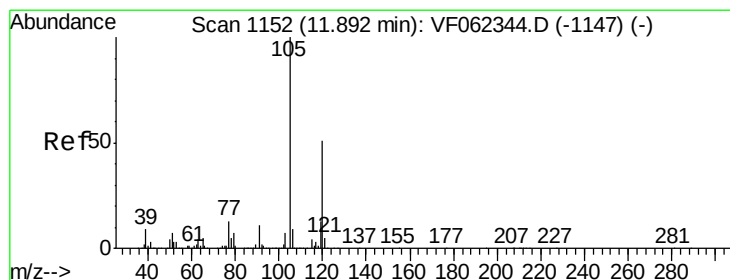
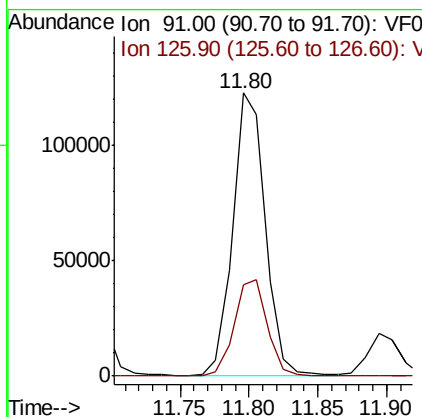
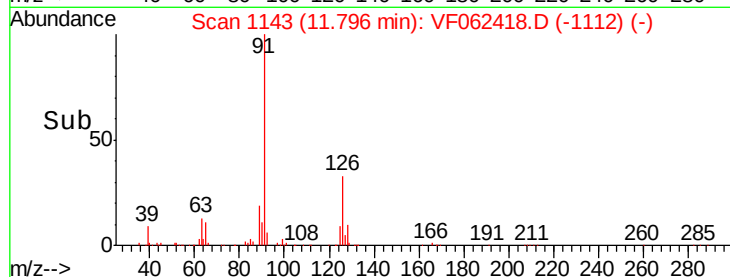
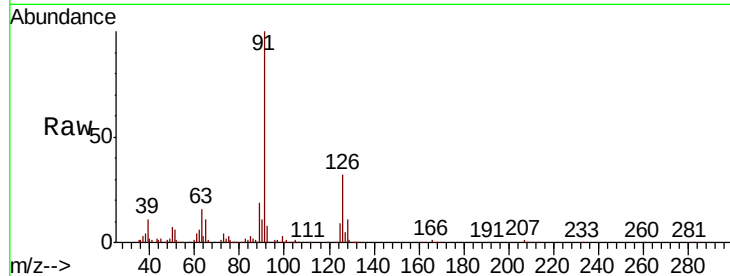




#79
 2-Chlorotoluene
 Concen: 21.288 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

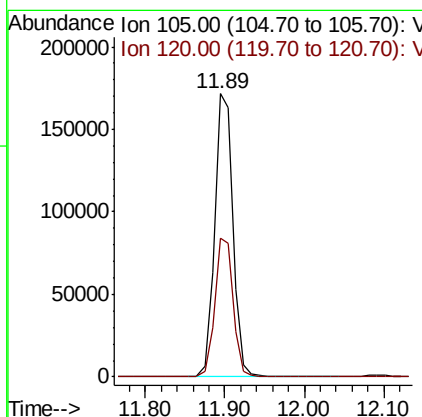
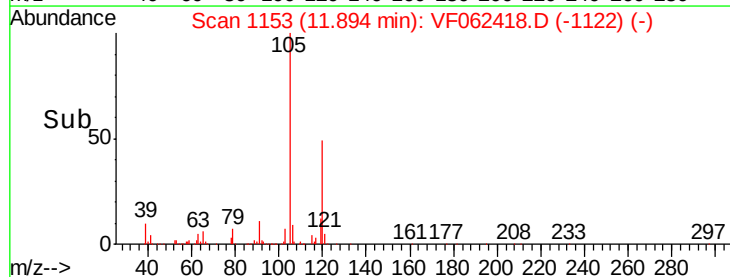
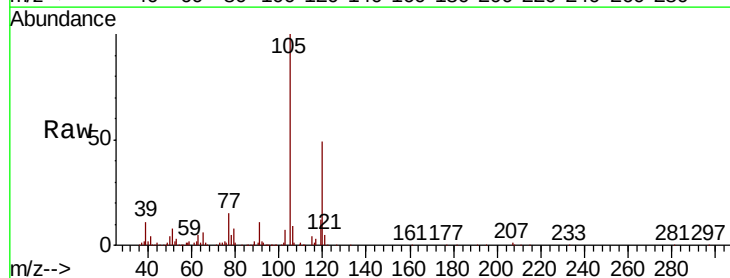
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD01

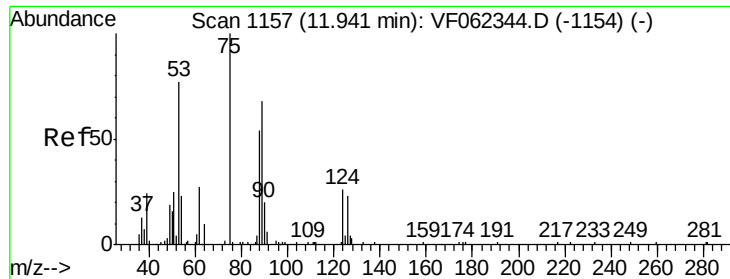
Tgt Ion: 91 Resp: 199369
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 22.400 ug/l
 RT: 11.89 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion: 105 Resp: 277752
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 29.648 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD01

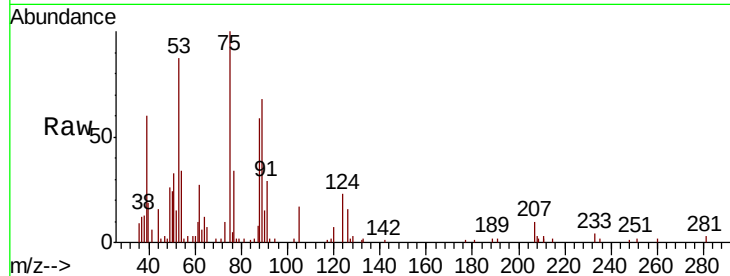
Tgt Ion: 75 Resp: 18833

Ion Ratio Lower Upper

75 100

53 60.7 71.9 107.9#

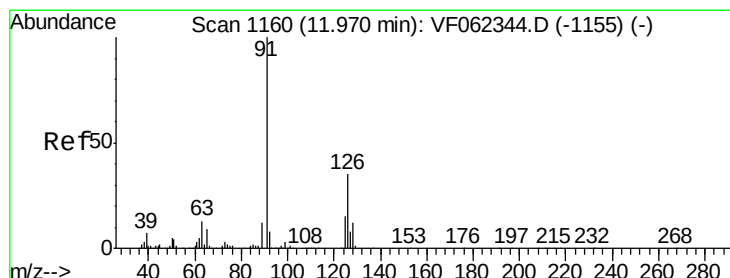
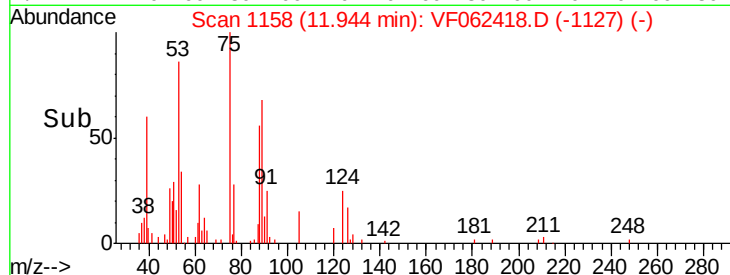
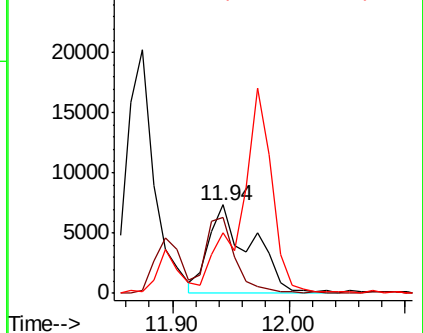
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 22.325 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062418.D

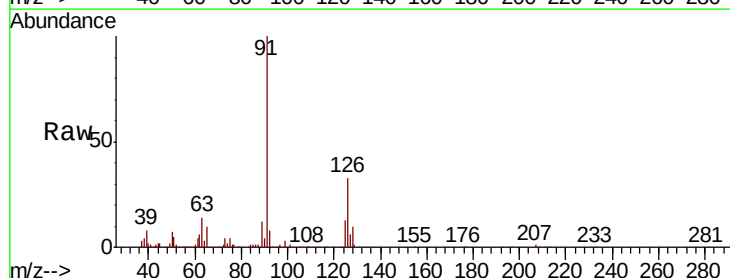
Acq: 10 May 2019 12:47

Tgt Ion: 91 Resp: 206500

Ion Ratio Lower Upper

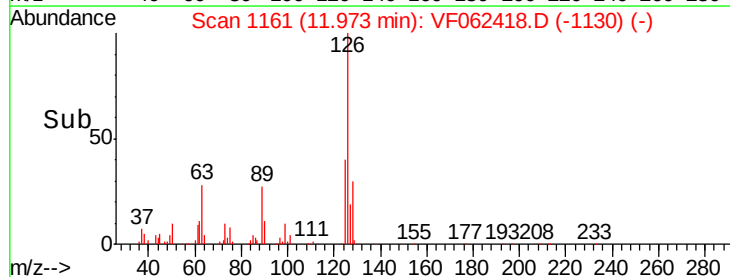
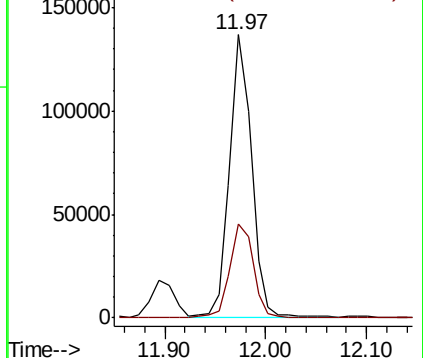
91 100

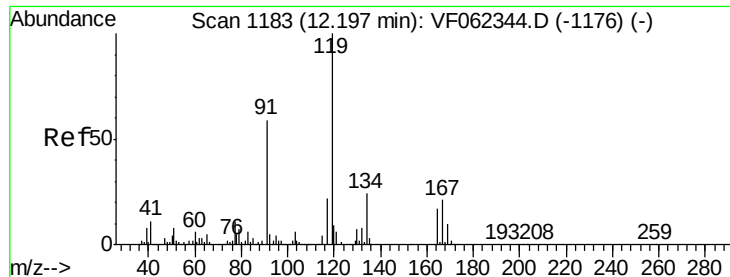
126 35.8 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.676 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

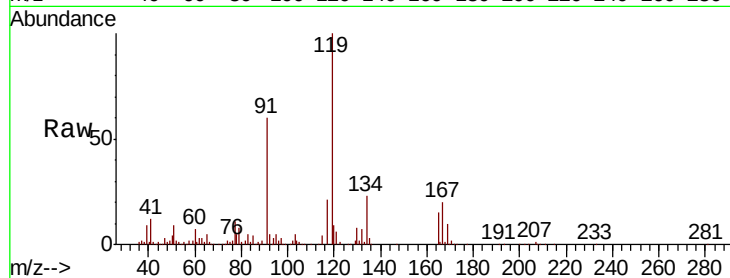
Tgt Ion:119 Resp: 282465

Ion Ratio Lower Upper

119 100

91 59.9 30.4 91.3

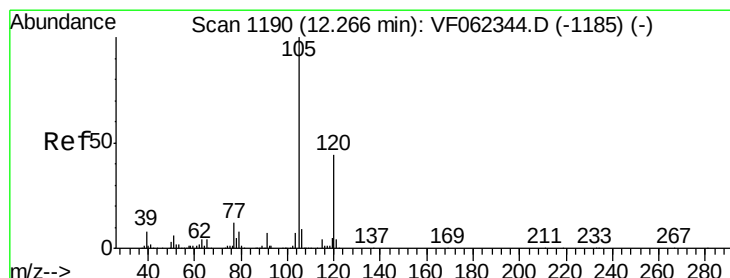
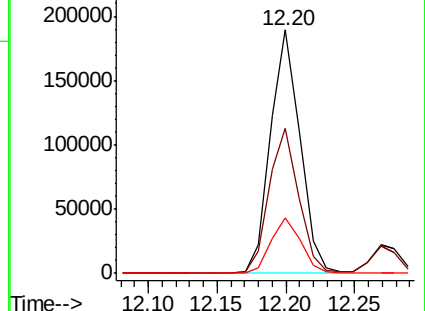
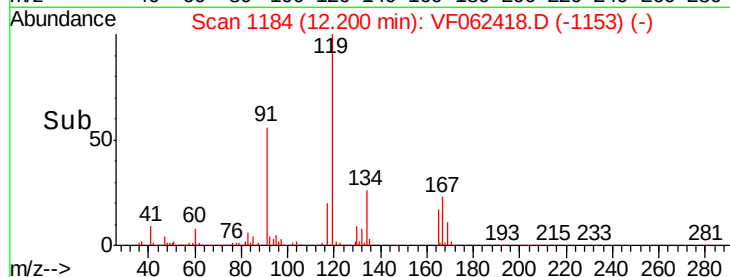
134 23.3 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.208 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VF062418.D

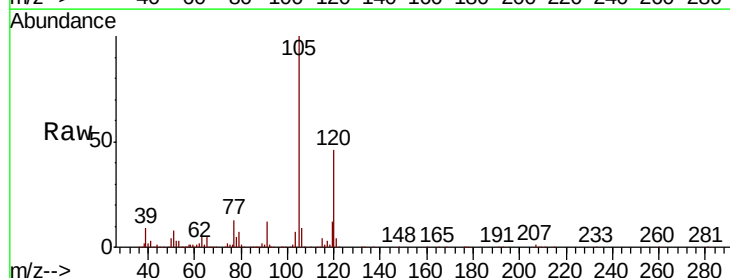
Acq: 10 May 2019 12:47

Tgt Ion:105 Resp: 269477

Ion Ratio Lower Upper

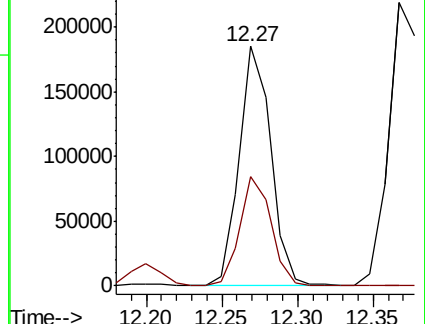
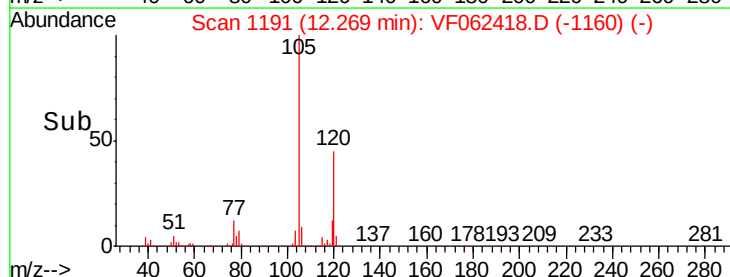
105 100

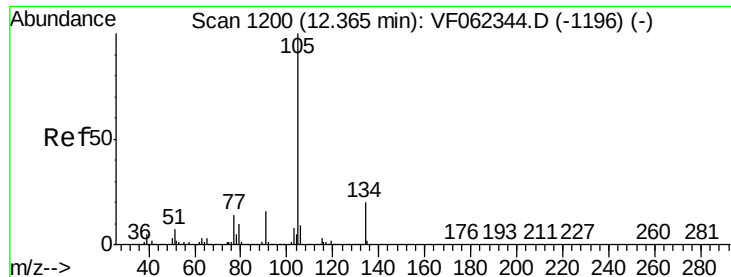
120 45.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.510 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

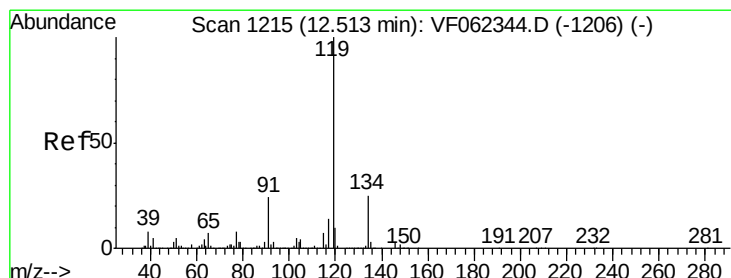
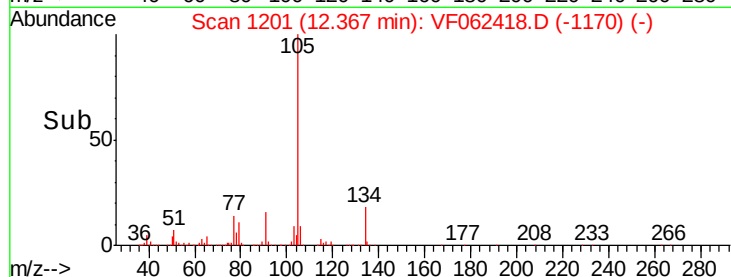
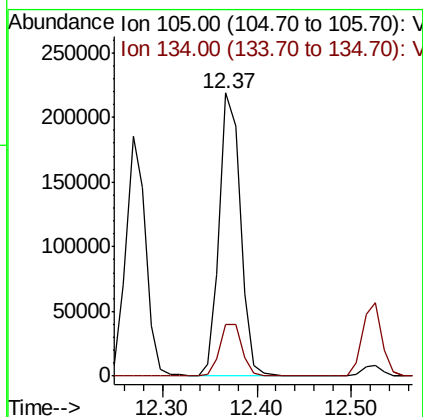
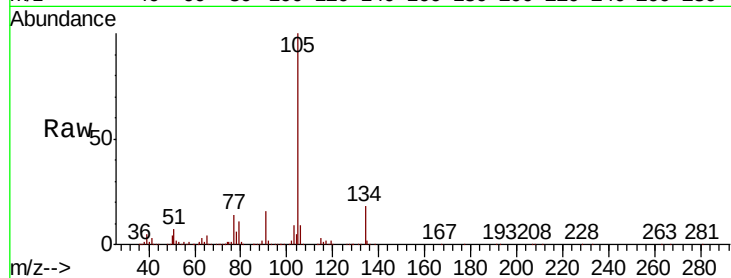
VF0510SBSD01

Tgt Ion:105 Resp: 341174

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5



#86

p-Isopropyltoluene

Concen: 22.148 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

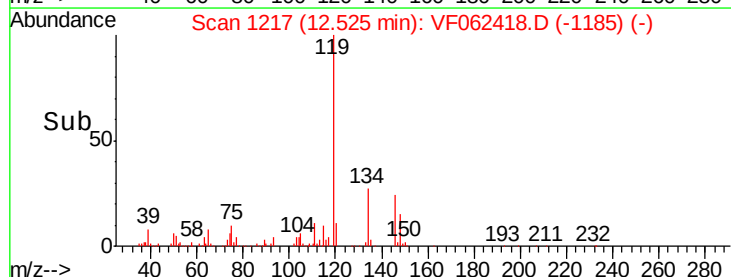
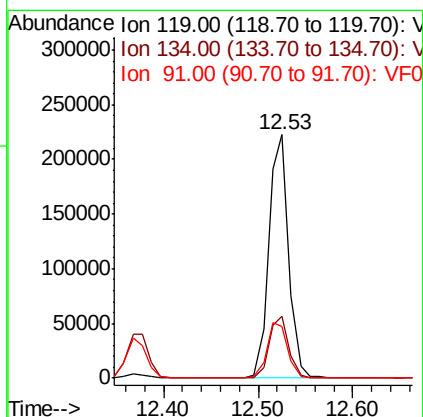
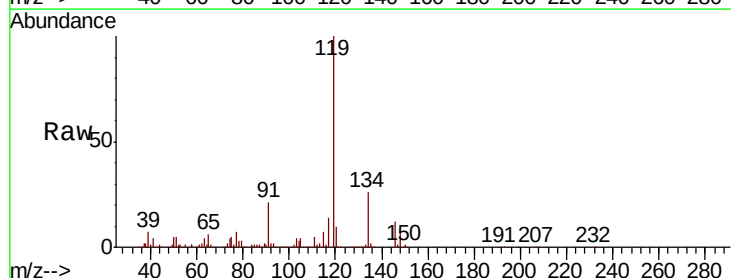
Tgt Ion:119 Resp: 326392

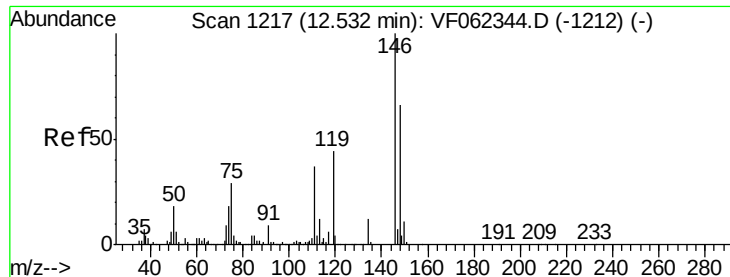
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 23.7 12.3 36.8

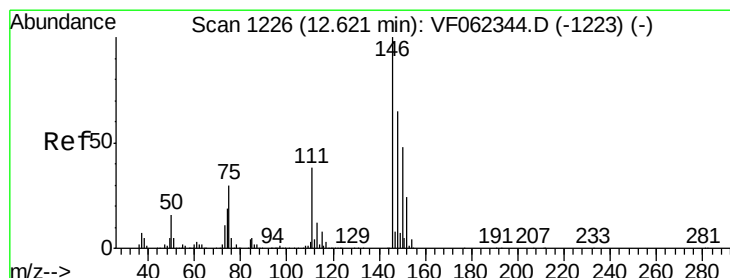
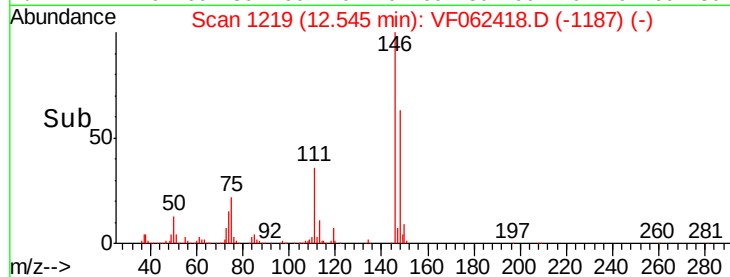
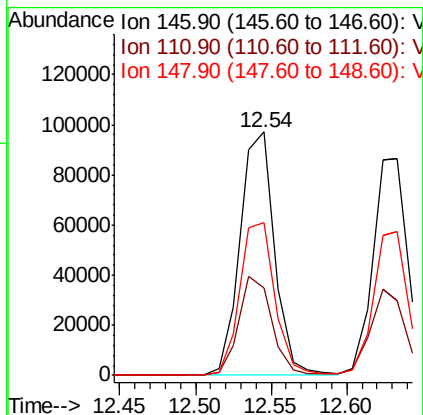
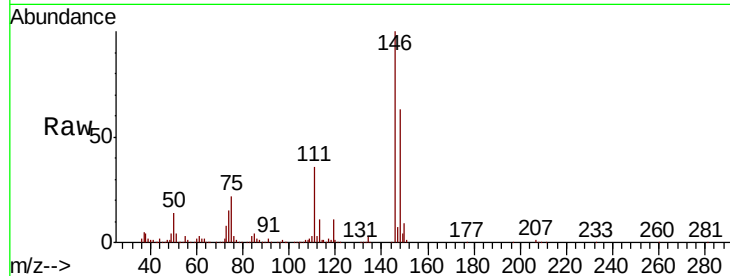




#87
 1,3-Dichlorobenzene
 Concen: 22.744 ug/l
 RT: 12.54 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

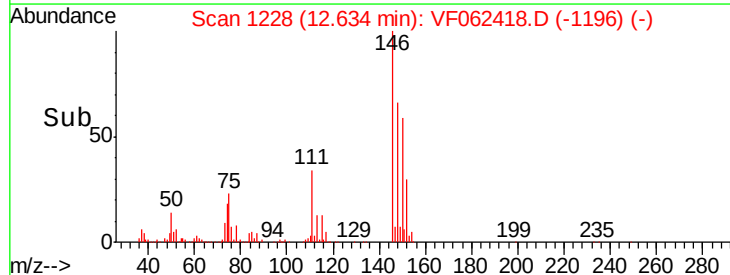
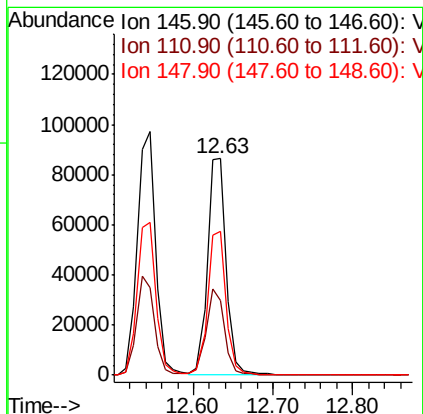
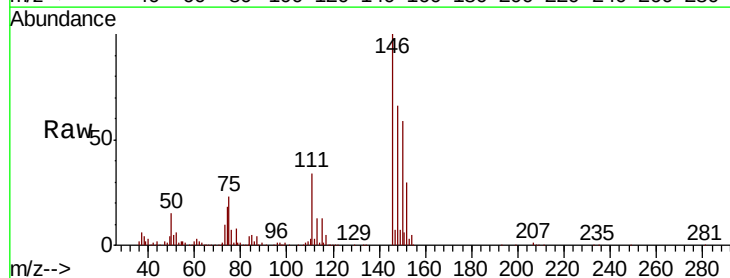
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD01

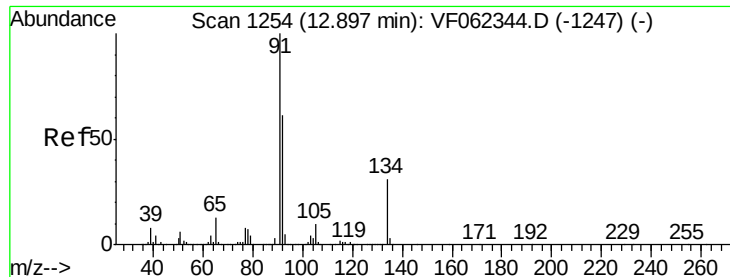
Tgt Ion:146 Resp: 154222
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.3 54.8
 148 64.3 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 21.862 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion:146 Resp: 143078
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.8 56.3
 148 64.8 32.2 96.6





#89

n-Butylbenzene

Concen: 23.416 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

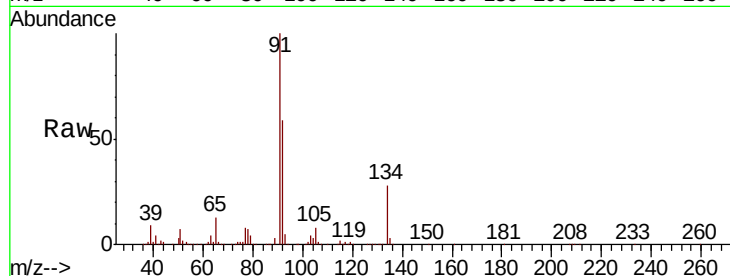
Tgt Ion: 91 Resp: 307001

Ion Ratio Lower Upper

91 100

92 59.1 30.0 90.0

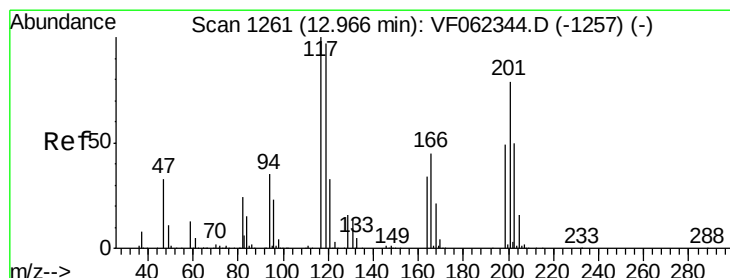
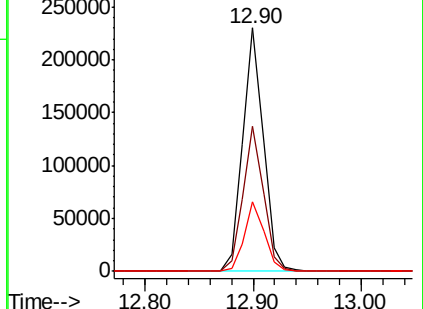
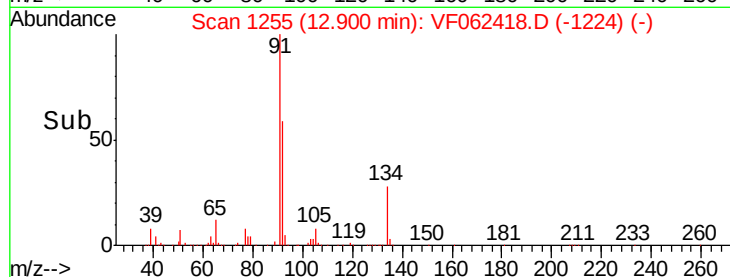
134 27.5 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.864 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062418.D

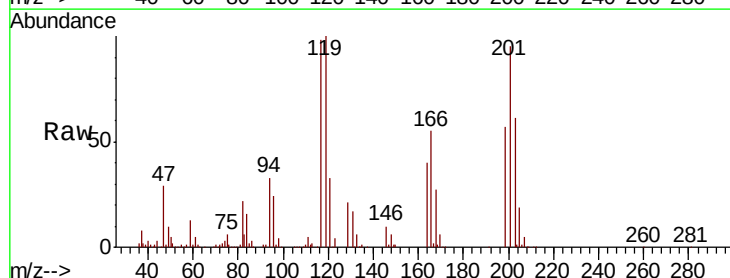
Acq: 10 May 2019 12:47

Tgt Ion: 117 Resp: 76769

Ion Ratio Lower Upper

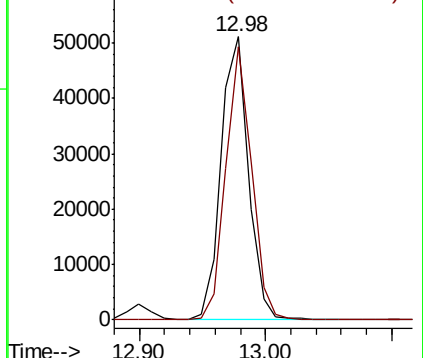
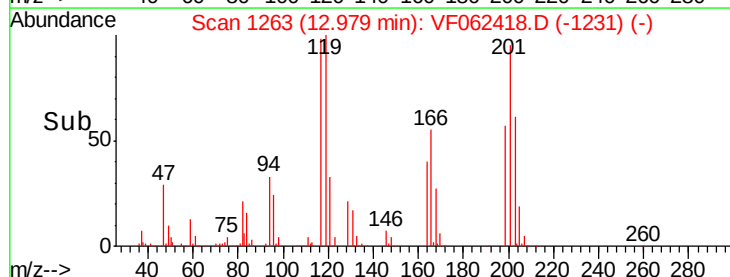
117 100

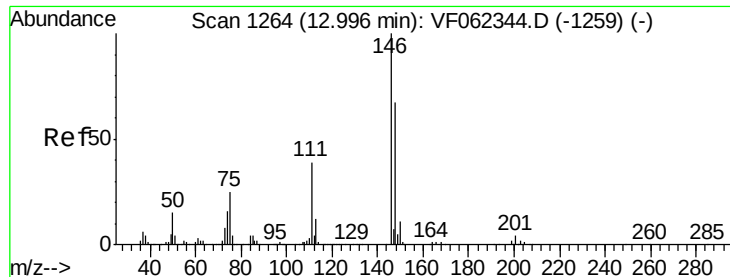
201 90.4 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.981 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS01

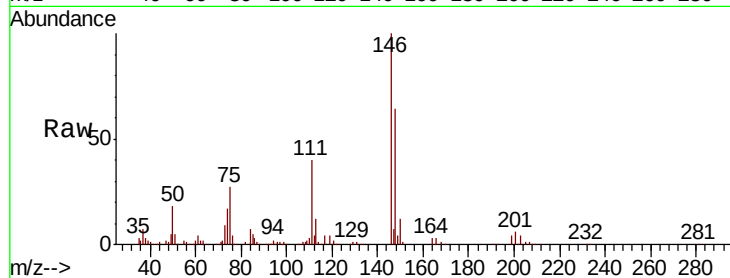
Tgt Ion:146 Resp: 144263

Ion Ratio Lower Upper

146 100

111 39.2 20.0 60.0

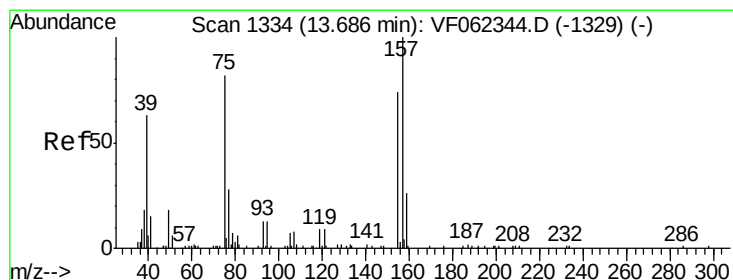
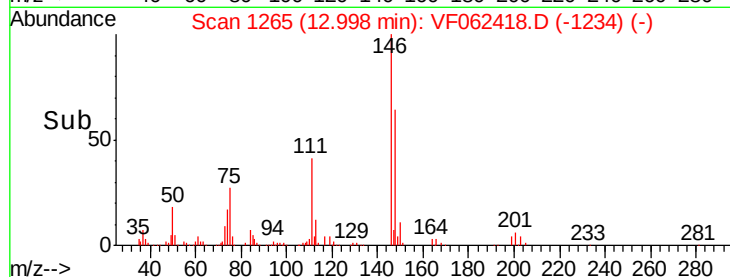
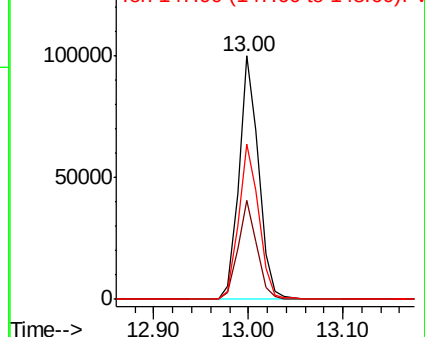
148 65.2 33.1 99.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.543 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062418.D

Acq: 10 May 2019 12:47

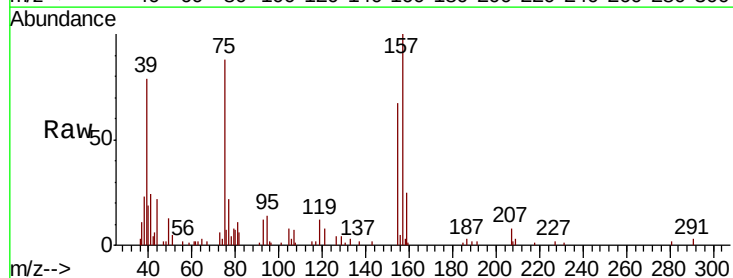
Tgt Ion: 75 Resp: 10194

Ion Ratio Lower Upper

75 100

155 92.4 51.8 155.4

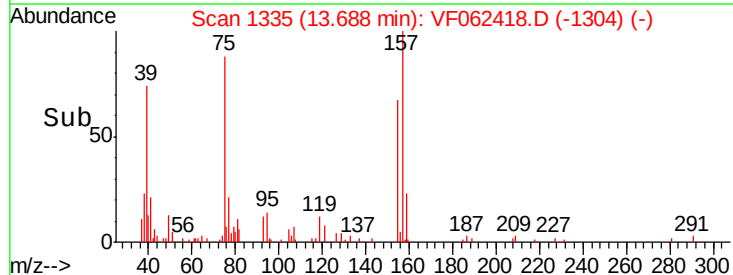
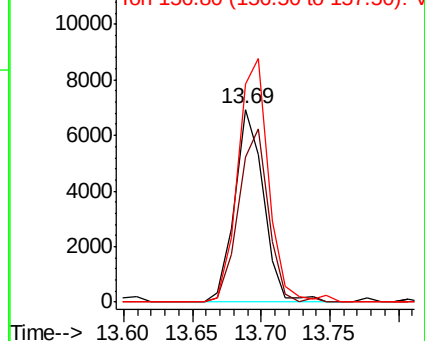
157 133.9 67.3 201.8

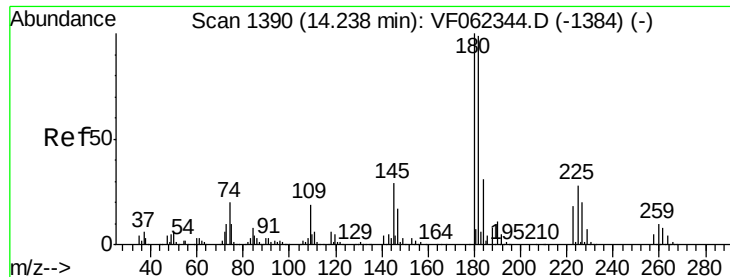


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

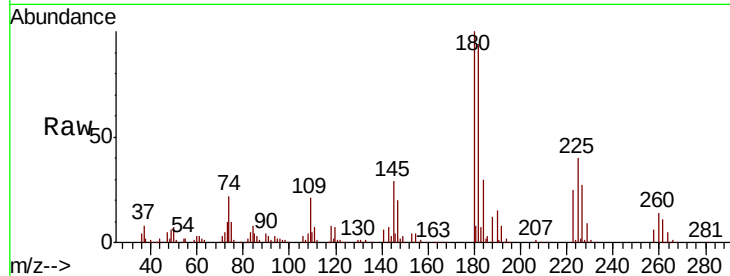




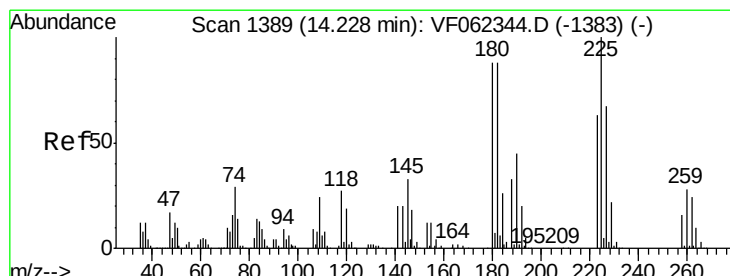
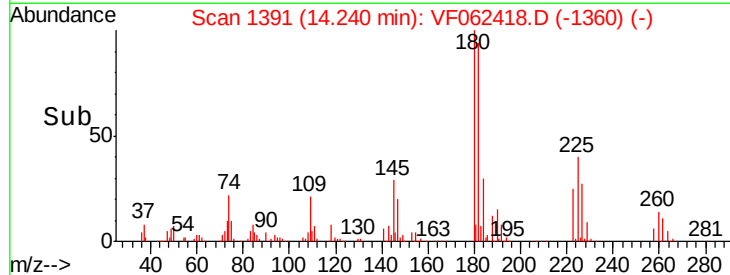
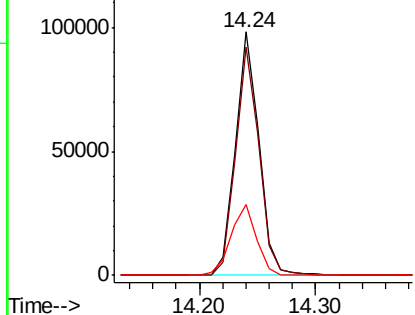
#93
 1,2,4-Trichlorobenzene
 Concen: 23.335 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS01

Tgt Ion:180 Resp: 137369
 Ion Ratio Lower Upper
 180 100
 182 93.3 49.0 147.0
 145 31.9 16.7 50.1

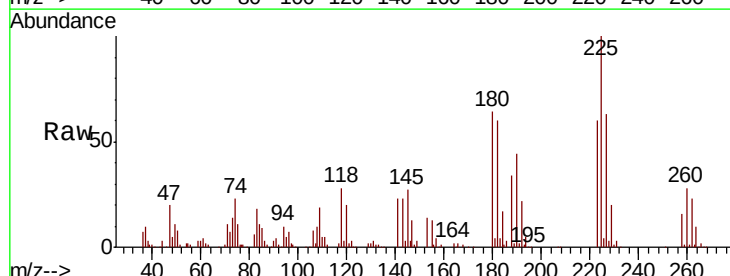


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

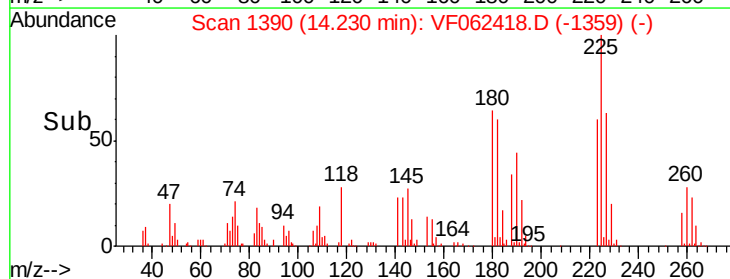
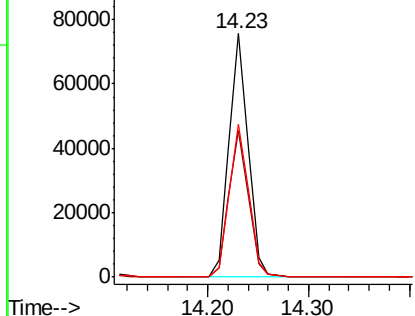


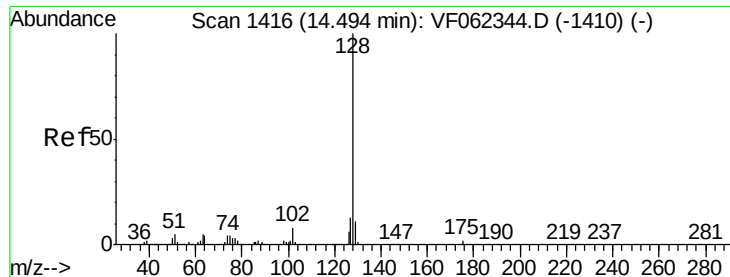
#94
 Hexachlorobutadiene
 Concen: 22.667 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062418.D
 Acq: 10 May 2019 12:47

Tgt Ion:225 Resp: 99456
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.9 95.5
 227 64.3 33.1 99.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

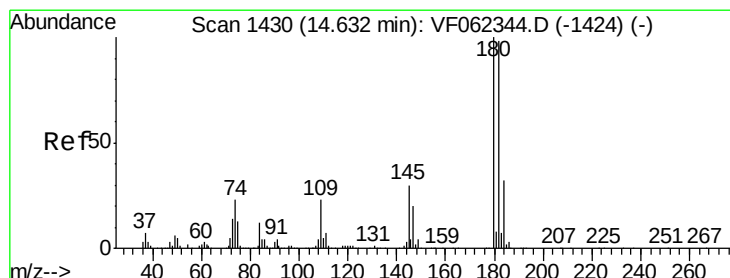
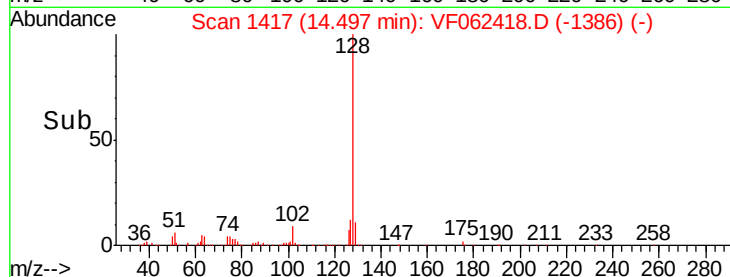
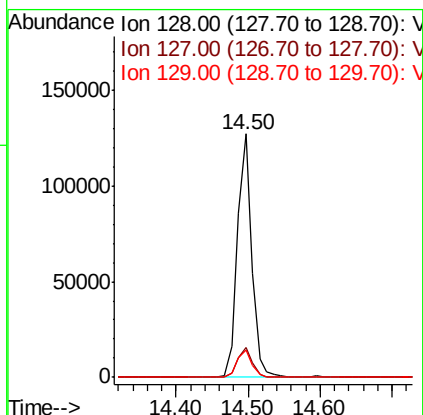
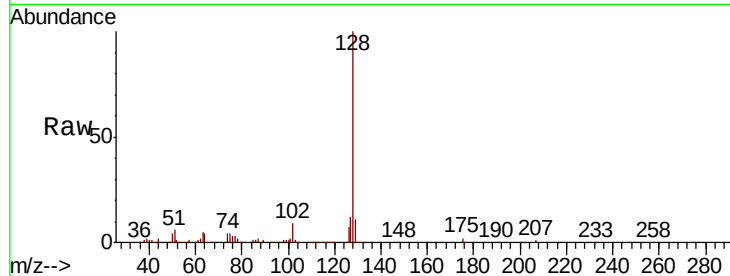




#95
Naphthalene
Concen: 20.256 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS01

Tgt Ion:128 Resp: 179277
Ion Ratio Lower Upper
128 100
127 12.4 10.5 15.7
129 11.5 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 22.771 ug/l
RT: 14.64 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062418.D
Acq: 10 May 2019 12:47

Tgt Ion:180 Resp: 129865
Ion Ratio Lower Upper
180 100
182 95.5 49.4 148.0
145 28.5 14.8 44.3

