

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050719\
 Data File : VF062356.D
 Acq On : 7 May 2019 14:37
 Operator : FY/SY
 Sample : VF0507SBSD01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBSD01

Quant Time: May 07 14:59:59 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	5.04	168	309954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	409384	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	331446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	194658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	155141	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
35) Dibromofluoromethane	4.30	113	176234	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
50) Toluene-d8	7.71	98	393559	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.49	95	169507	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	88541	24.682	ug/l	99
3) Chloromethane	1.15	50	55009	23.251	ug/l	93
4) Vinyl Chloride	1.18	62	51404	21.783	ug/l	96
5) Bromomethane	1.40	94	42386	22.419	ug/l	96
6) Chloroethane	1.45	64	27981	23.584	ug/l	96
7) Trichlorofluoromethane	1.56	101	94115	19.222	ug/l	95
8) Diethyl Ether	1.70	74	17156	23.157	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.91	101	66294	23.716	ug/l	96
10) Methyl Iodide	1.99	142	93390	20.273	ug/l	97
11) Tert butyl alcohol	2.70	59	18172	109.768	ug/l	95
12) 1,1-Dichloroethene	1.87	96	50364	21.193	ug/l	99
13) Acrolein	2.09	56	12091	105.996	ug/l	87
14) Allyl chloride	2.19	41	44426	21.163	ug/l	91
15) Acrylonitrile	3.08	53	37729	120.311	ug/l	94
16) Acetone	2.34	43	59658	100.679	ug/l	95
17) Carbon Disulfide	1.93	76	96543	18.632	ug/l	99
18) Methyl Acetate	2.45	43	22092	18.469	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	113703	23.179	ug/l	97
20) Methylene Chloride	2.33	84	33823	15.777	ug/l	96
21) trans-1,2-Dichloroethene	2.41	96	35805	15.814	ug/l	90
22) Diisopropyl ether	2.94	45	152573	23.255	ug/l	97
23) Vinyl Acetate	3.34	43	337214	115.322	ug/l	100
24) 1,1-Dichloroethane	3.00	63	100282	25.290	ug/l #	93
25) 2-Butanone	4.51	43	77960	104.723	ug/l	98
26) 2,2-Dichloropropane	3.76	77	51479	23.248	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	64204	22.686	ug/l	98
28) Bromochloromethane	3.89	49	36247	20.156	ug/l #	98
29) Tetrahydrofuran	4.27	42	35003	102.305	ug/l	98
30) Chloroform	4.04	83	126555	23.624	ug/l	98
31) Cyclohexane	3.86	56	41216	13.023	ug/l	95
32) 1,1,1-Trichloroethane	4.29	97	82665	18.005	ug/l	94
36) 1,1-Dichloropropene	4.46	75	82748	23.530	ug/l	98
37) Ethyl Acetate	4.30	43	33651	21.578	ug/l #	95
38) Carbon Tetrachloride	4.17	117	88366	22.708	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	80944	22.950	ug/l	99
40) Benzene	4.81	78	177390	22.906	ug/l	99
41) Methacrylonitrile	4.93	41	18483	21.919	ug/l	93
42) 1,2-Dichloroethane	5.12	62	76698	23.681	ug/l	98
43) Isopropyl Acetate	7.11	43	33394	20.877	ug/l #	92
44) Trichloroethene	5.68	130	69434	24.408	ug/l	93
45) 1,2-Dichloropropane	6.40	63	38432	21.910	ug/l	100
46) Dibromomethane	6.26	93	33903	23.312	ug/l	99
47) Bromodichloromethane	6.54	83	82153	22.594	ug/l	94
48) Methyl methacrylate	6.87	41	23607	20.883	ug/l	95
49) 1,4-Dioxane	6.87	88	5866	497.994	ug/l #	83
51) 4-Methyl-2-Pentanone	8.40	43	134433	110.911	ug/l	99
52) Toluene	7.78	92	105712	22.127	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	62183	22.611	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	75337	23.538	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	35048	23.110	ug/l	90
56) Ethyl methacrylate	8.75	69	31749	19.832	ug/l	97
57) 1,3-Dichloropropane	8.99	76	52258	22.812	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.44	63	52504	109.086	ug/l	93
59) 2-Hexanone	9.62	43	87425	104.291	ug/l	96
60) Dibromochloromethane	8.86	129	55997	22.576	ug/l	97
61) 1,2-Dibromoethane	9.13	107	38837	21.788	ug/l	93
64) Tetrachloroethene	8.30	164	65584	24.374	ug/l	96
65) Chlorobenzene	9.92	112	131009	23.889	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	64796	23.422	ug/l	98
67) Ethyl Benzene	10.02	91	221391	23.055	ug/l	99
68) m/p-Xylenes	10.25	106	162403	45.836	ug/l	99
69) o-Xylene	10.81	106	91730	23.959	ug/l	91
70) Styrene	10.88	104	133288	23.229	ug/l	98
71) Bromoform	10.87	173	32973	21.755	ug/l #	98
73) Isopropylbenzene	11.21	105	285739	24.761	ug/l	100
74) N-amyl acetate	11.44	43	54821	22.128	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	42970	23.781	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	33486	24.291	ug/l #	100
77) Bromobenzene	11.57	156	73037	24.115	ug/l	95
78) n-propylbenzene	11.67	91	296120	24.102	ug/l	98
79) 2-Chlorotoluene	11.79	91	184421	24.140	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	254164	25.128	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	16270	31.399	ug/l #	69
82) 4-Chlorotoluene	11.96	91	176490	23.390	ug/l	100
83) tert-Butylbenzene	12.19	119	266749	25.094	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	244138	24.664	ug/l	98
85) sec-Butylbenzene	12.36	105	317036	24.503	ug/l	99
86) p-Isopropyltoluene	12.52	119	303681	25.262	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	137418	24.843	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	122776	22.998	ug/l	98
89) n-Butylbenzene	12.89	91	261243	24.426	ug/l	98
90) Hexachloroethane	12.97	117	72614	24.192	ug/l	100
91) 1,2-Dichlorobenzene	12.99	146	135240	25.260	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	9400	23.221	ug/l	93

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

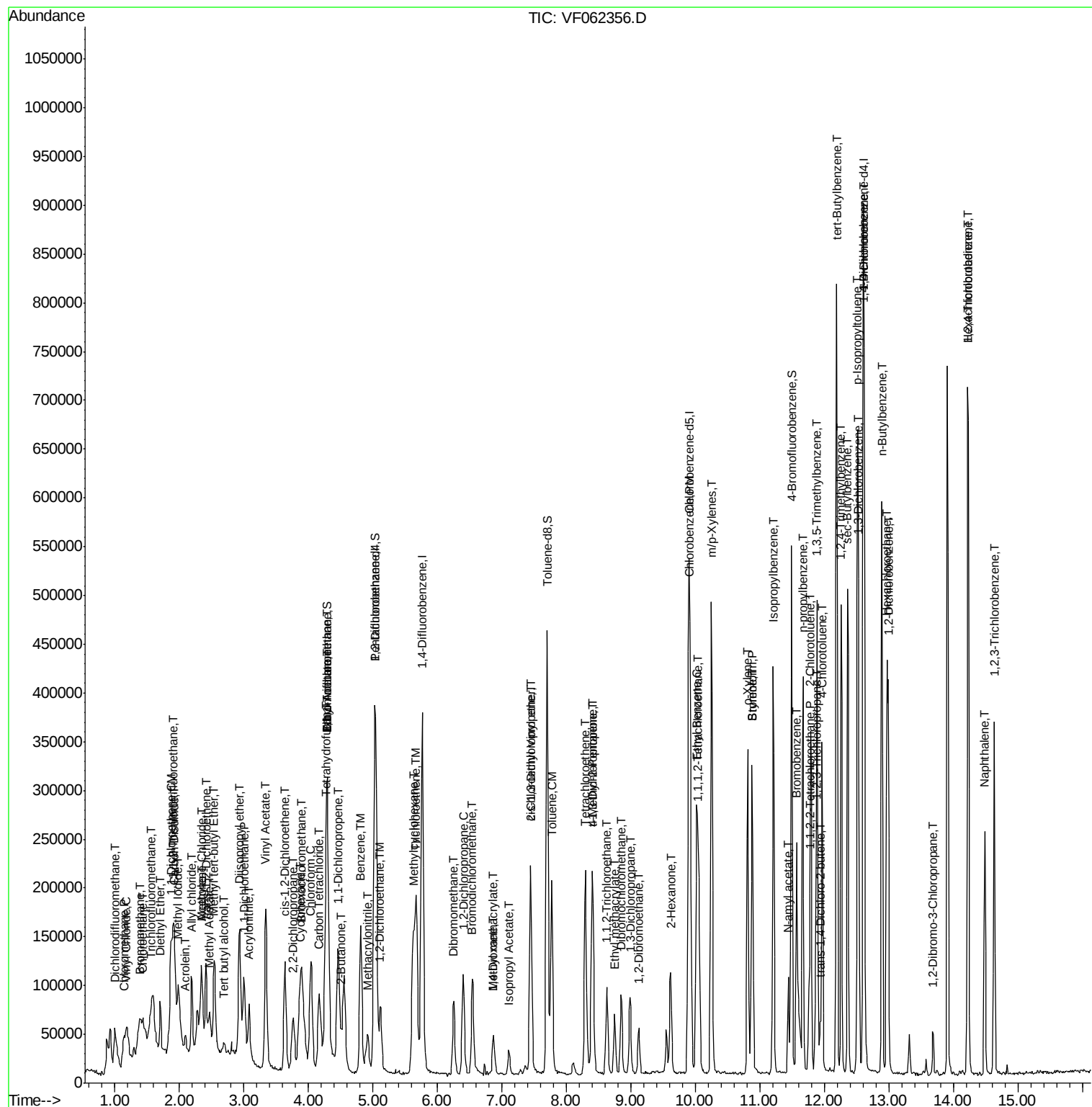
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	121963	25.397	ug/l	97
94) Hexachlorobutadiene	14.22	225	89785	25.085	ug/l	96
95) Naphthalene	14.49	128	170689	23.642	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	117246	25.201	ug/l	99

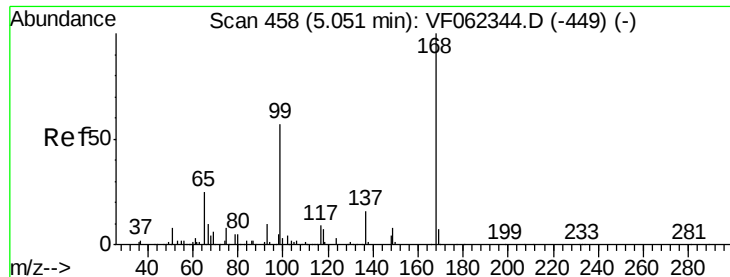
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

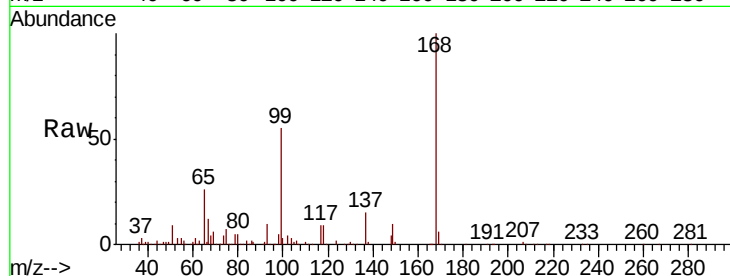
VF0507SBS01

Tgt Ion:168 Resp: 309954

Ion Ratio Lower Upper

168 100

99 55.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.04

120000

100000

80000

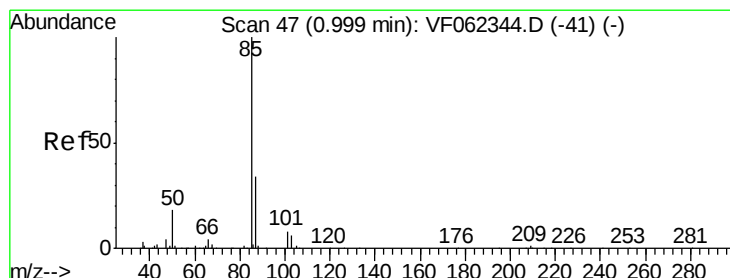
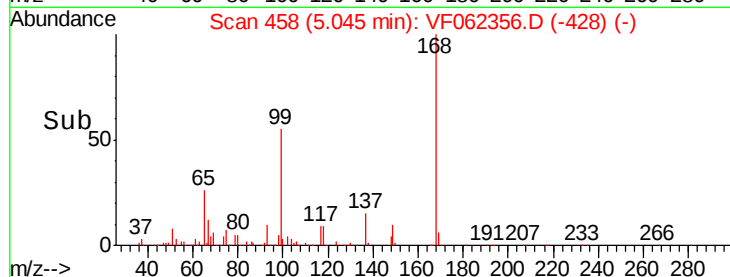
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.682 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062356.D

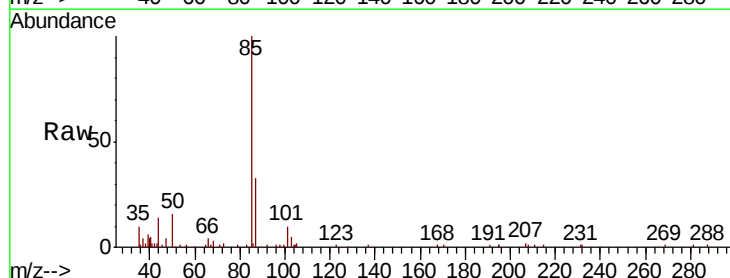
Acq: 7 May 2019 14:37

Tgt Ion: 85 Resp: 88541

Ion Ratio Lower Upper

85 100

87 33.0 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

25000

20000

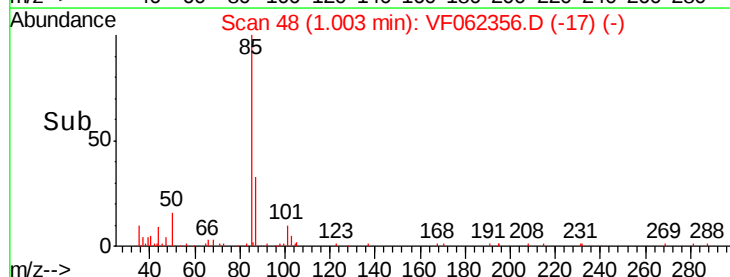
15000

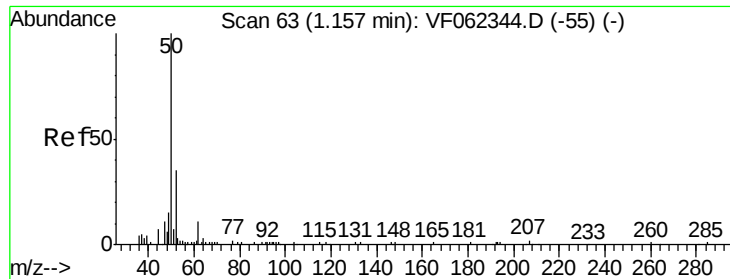
10000

5000

0

Time-->





#3

Chloromethane

Concen: 23.251 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

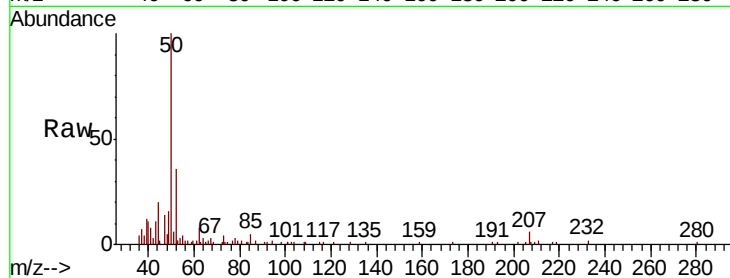
VF0507SBSD01

Tgt Ion: 50 Resp: 55009

Ion Ratio Lower Upper

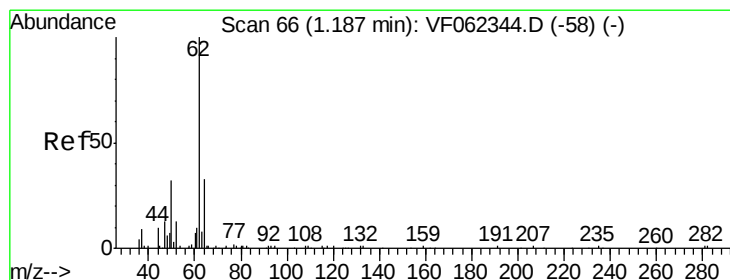
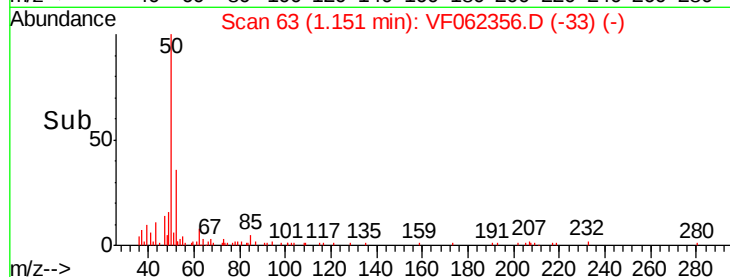
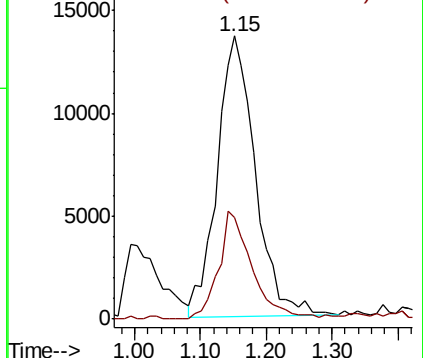
50 100

52 36.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 21.783 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062356.D

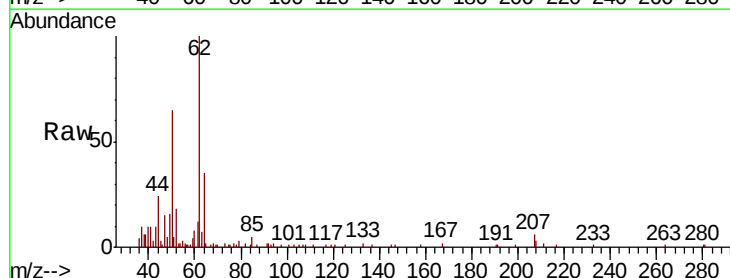
Acq: 7 May 2019 14:37

Tgt Ion: 62 Resp: 51404

Ion Ratio Lower Upper

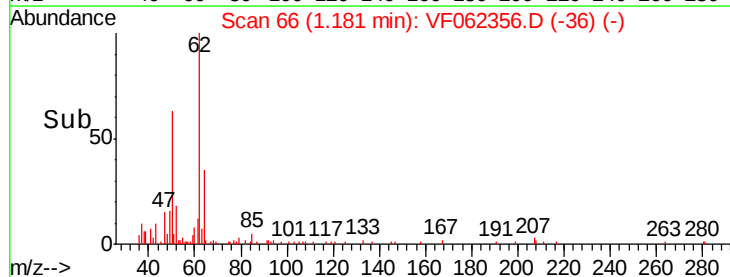
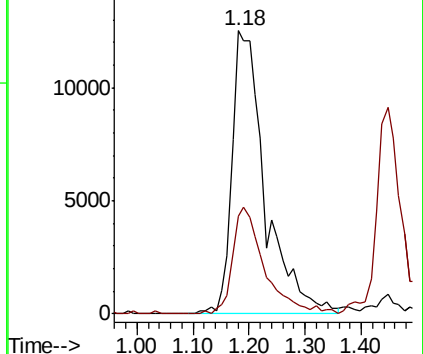
62 100

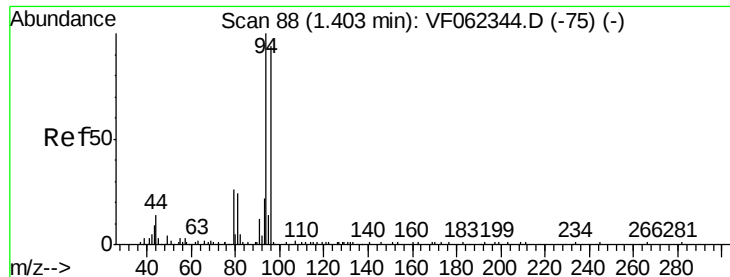
64 34.7 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 22.419 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

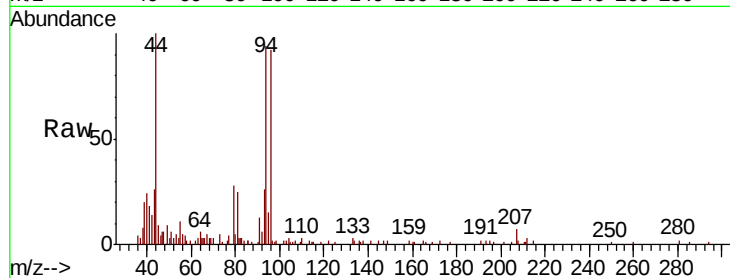
VF0507SBSD01

Tgt Ion: 94 Resp: 42386

Ion Ratio Lower Upper

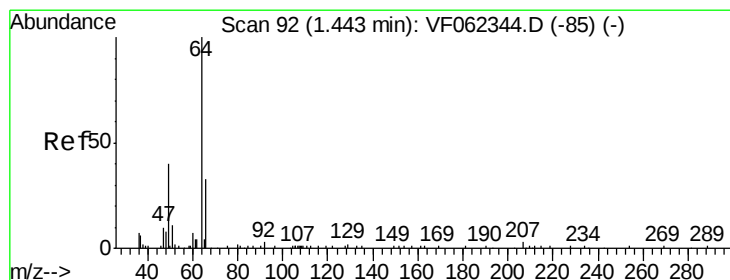
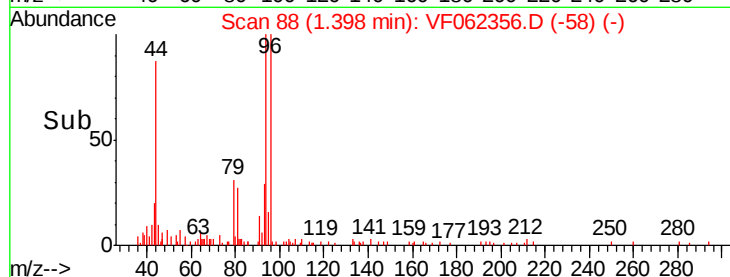
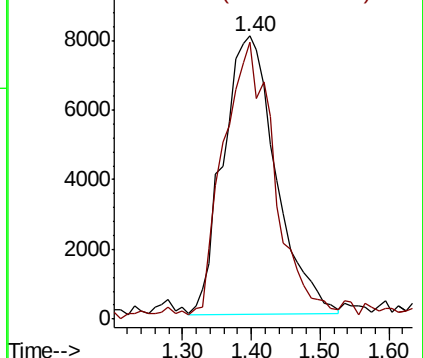
94 100

96 98.4 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 23.584 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062356.D

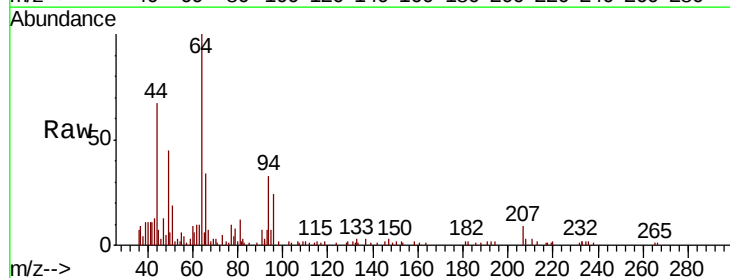
Acq: 7 May 2019 14:37

Tgt Ion: 64 Resp: 27981

Ion Ratio Lower Upper

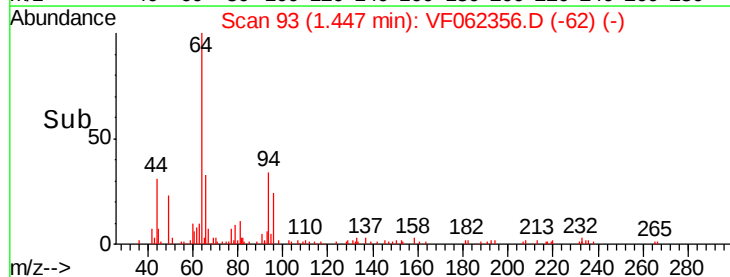
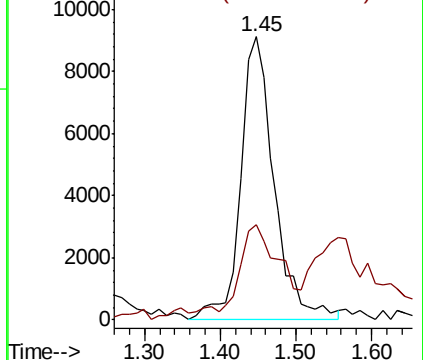
64 100

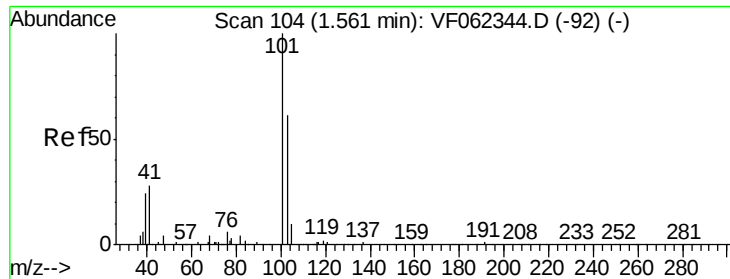
66 31.1 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



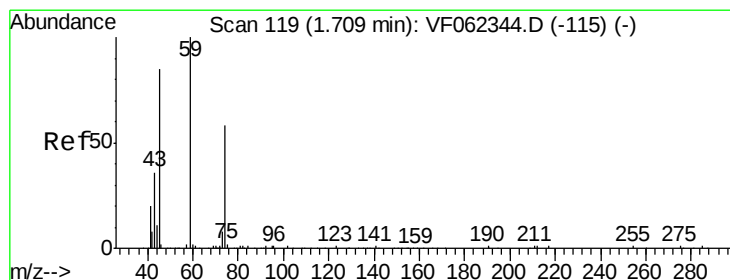
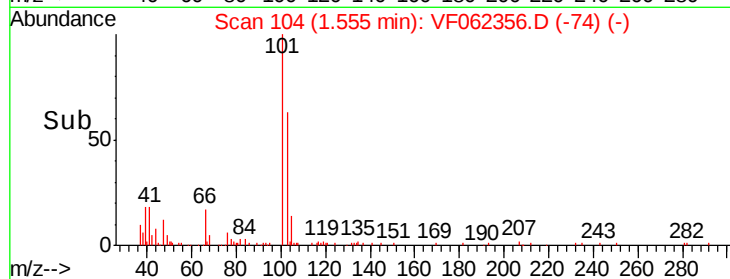
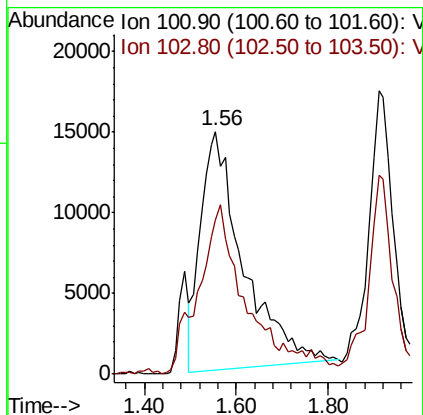
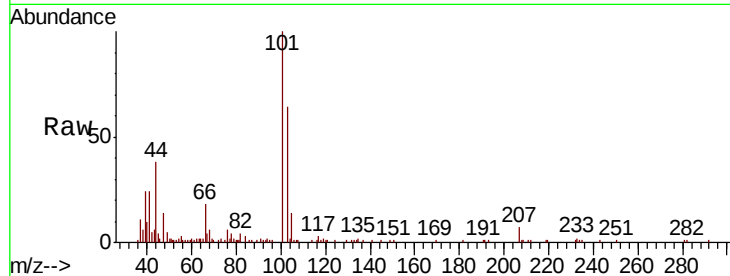


#7

Trichlorofluoromethane
Concen: 19.222 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Instrument :
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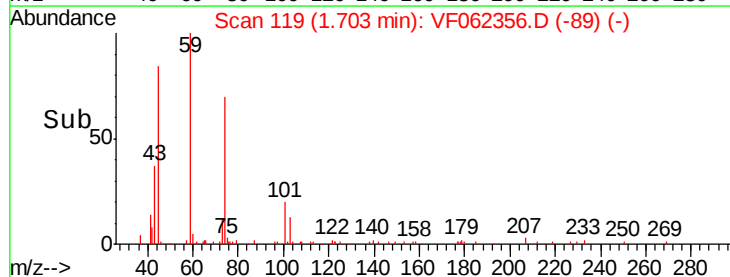
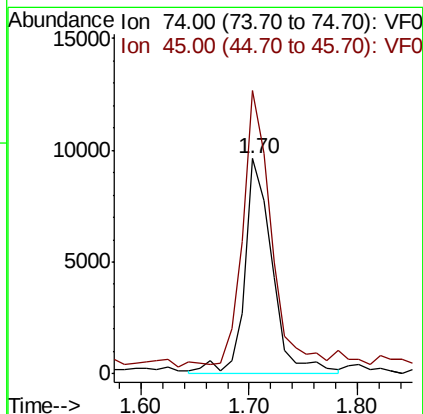
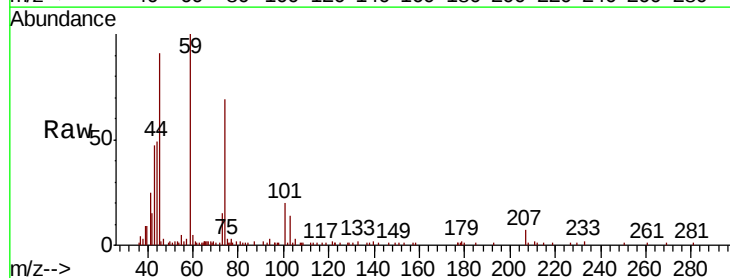
Tgt Ion:101 Resp: 94115
Ion Ratio Lower Upper
101 100
103 64.4 48.5 72.7

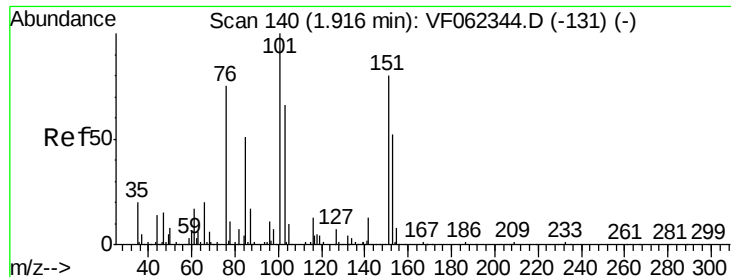


#8

Diethyl Ether
Concen: 23.157 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Tgt Ion: 74 Resp: 17156
Ion Ratio Lower Upper
74 100
45 127.7 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.716 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBSD01

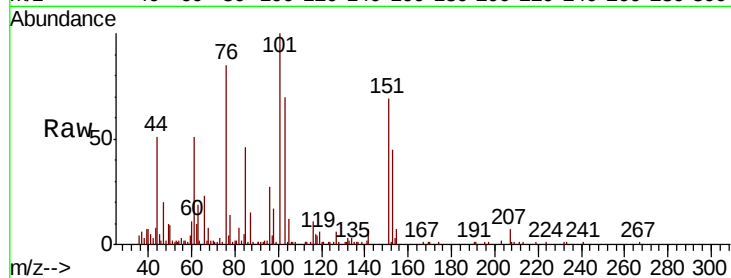
Tgt Ion:101 Resp: 66294

Ion Ratio Lower Upper

101 100

85 48.9 39.5 59.3

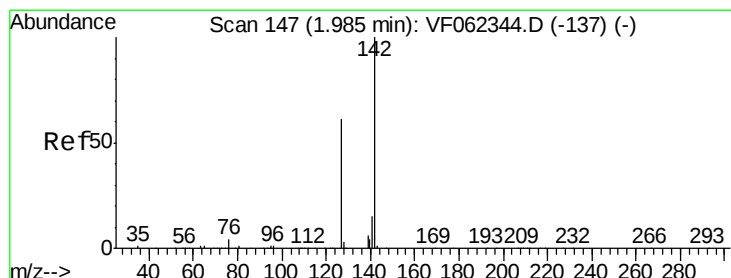
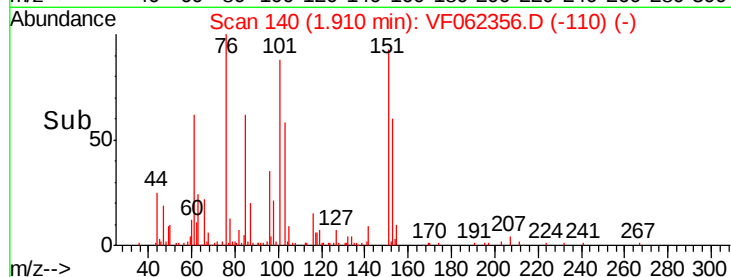
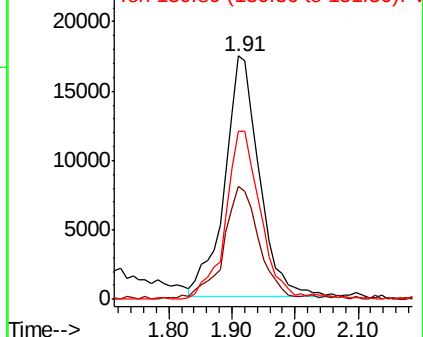
151 69.7 59.9 89.9



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: 20.273 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

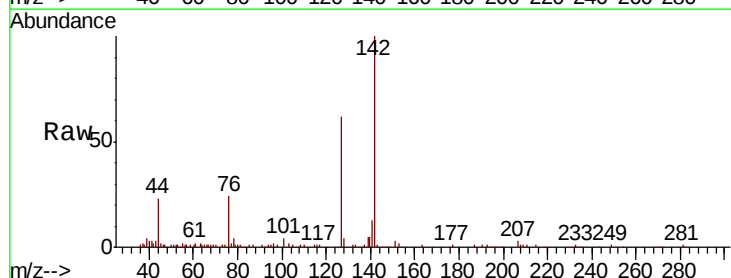
Tgt Ion:142 Resp: 93390

Ion Ratio Lower Upper

142 100

127 63.2 48.4 72.6

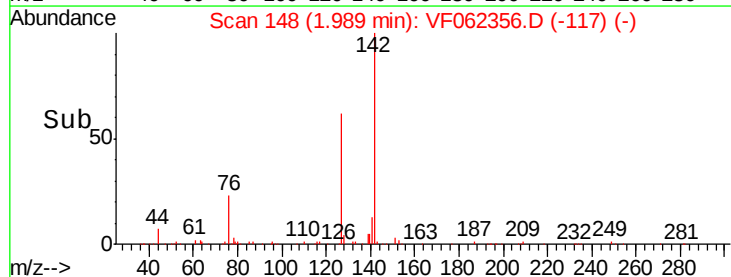
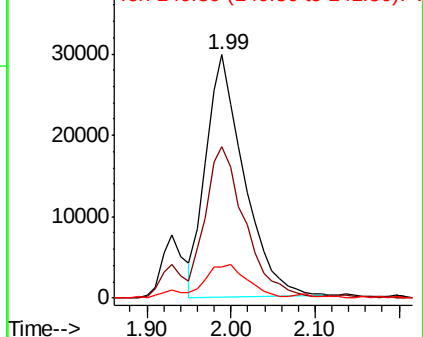
141 15.2 12.2 18.4

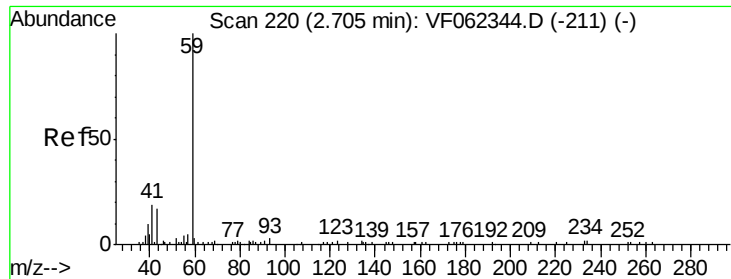


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



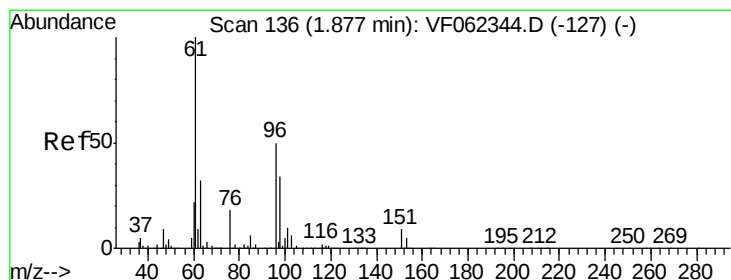
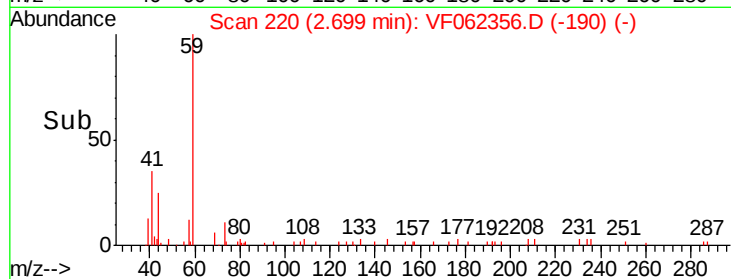
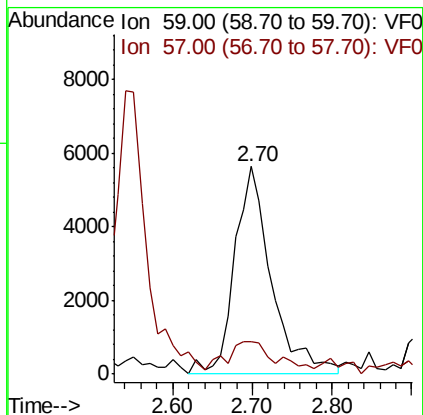
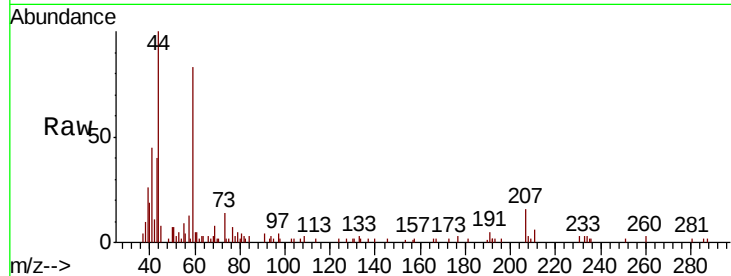


#11

Tert butyl alcohol
 Concen: 109.768 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBSD01

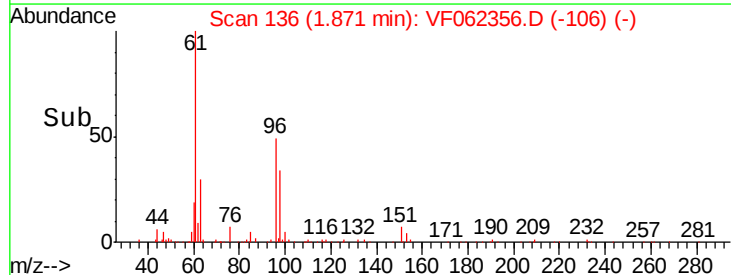
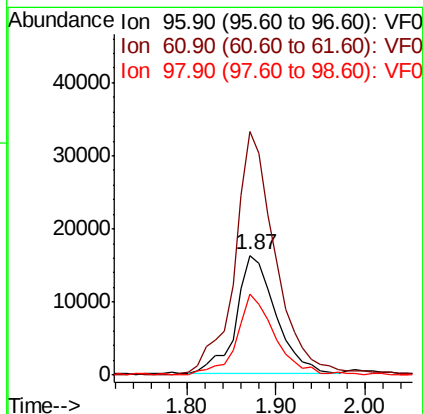
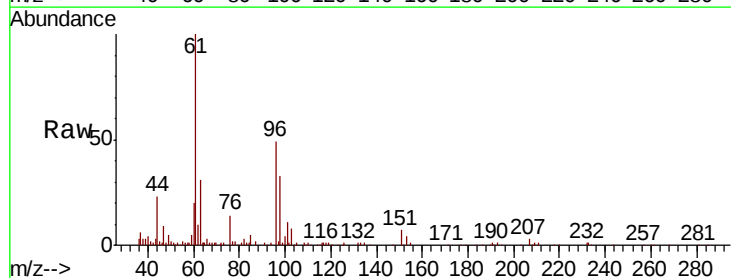
Tgt Ion: 59 Resp: 18172
 Ion Ratio Lower Upper
 59 100
 57 13.7 9.3 13.9

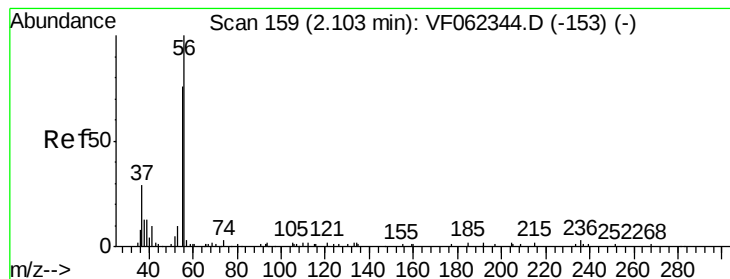


#12

1,1-Dichloroethene
 Concen: 21.193 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

Tgt Ion: 96 Resp: 50364
 Ion Ratio Lower Upper
 96 100
 61 202.9 163.2 244.8
 98 67.5 55.2 82.8





#13

Acrolein

Concen: 105.996 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

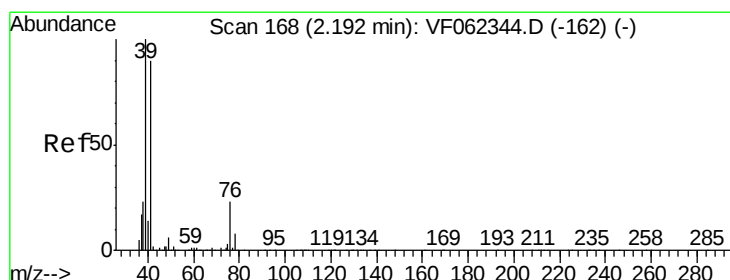
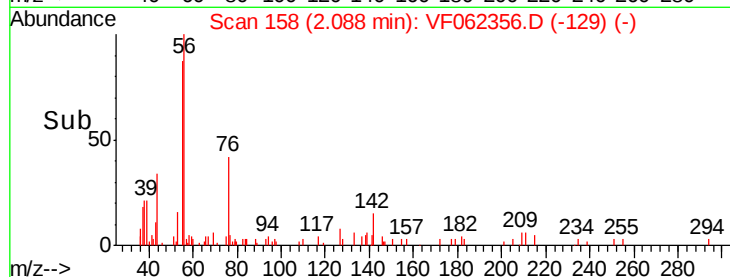
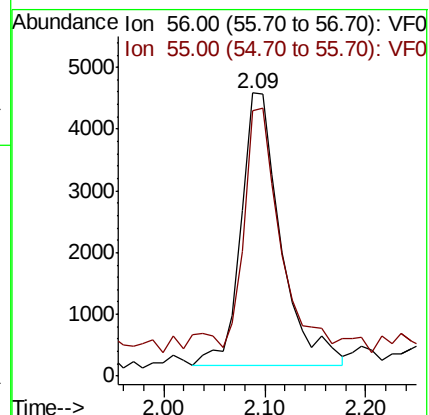
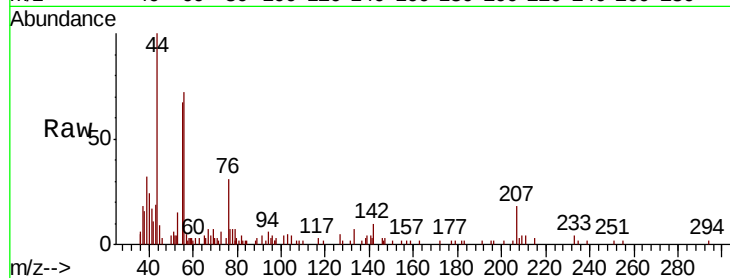
VF0507SBS01

Tgt Ion: 56 Resp: 12091

Ion Ratio Lower Upper

56 100

55 84.0 58.4 87.6



#14

Allyl chloride

Concen: 21.163 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

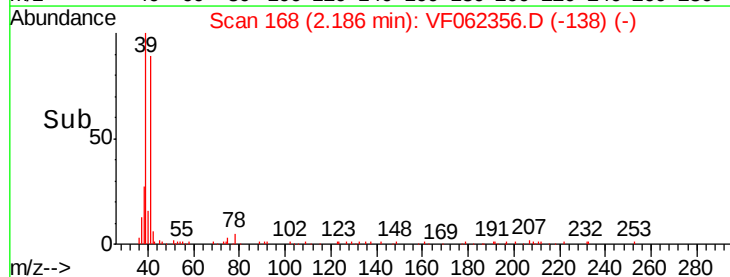
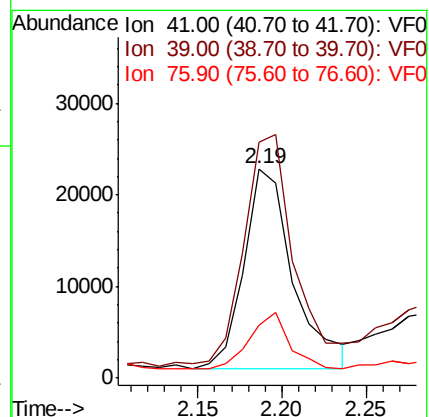
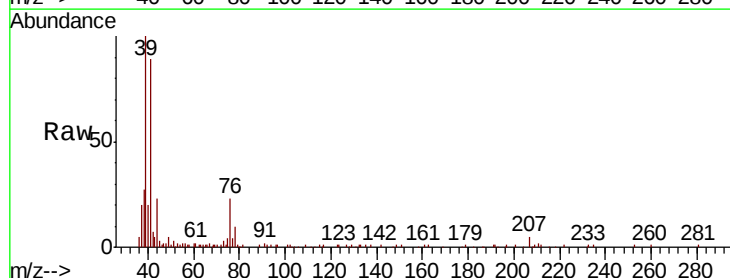
Tgt Ion: 41 Resp: 44426

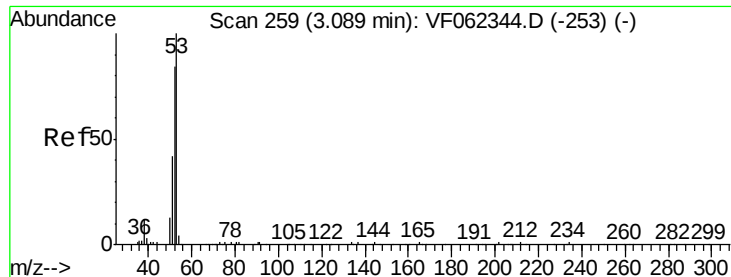
Ion Ratio Lower Upper

41 100

39 123.6 90.8 136.2

76 23.9 22.2 33.4





#15

Acrylonitrile

Concen: 120.311 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

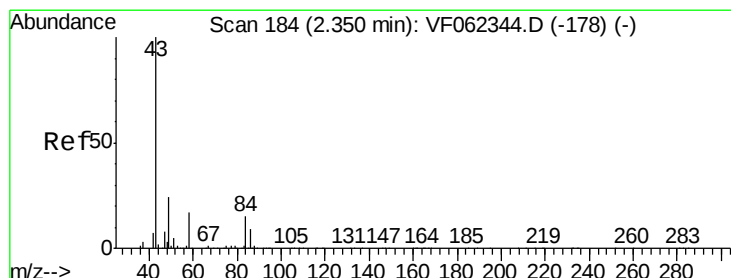
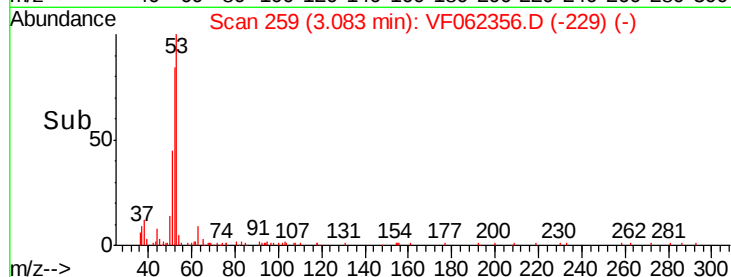
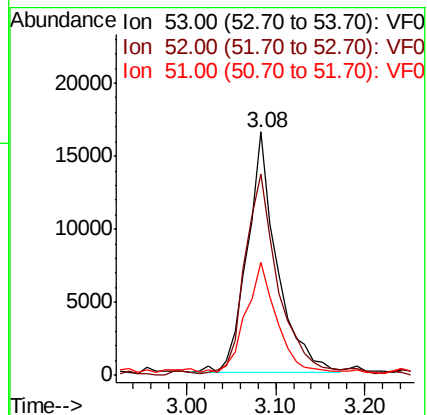
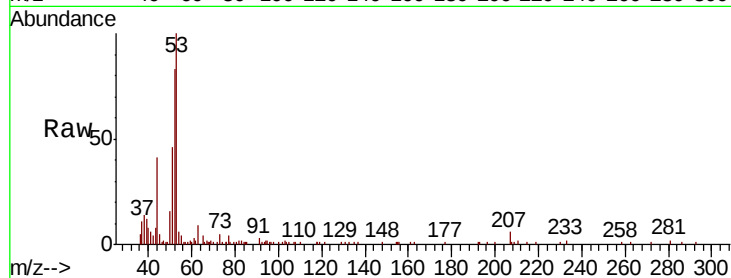
MSVOA_F

ClientSampleId :

VF0507SBS01

Tgt Ion: 53 Resp: 37729

Ion	Ratio	Lower	Upper
53	100		
52	91.5	77.2	115.8
51	46.3	40.6	61.0



#16

Acetone

Concen: 100.679 ug/l

RT: 2.34 min Scan# 184

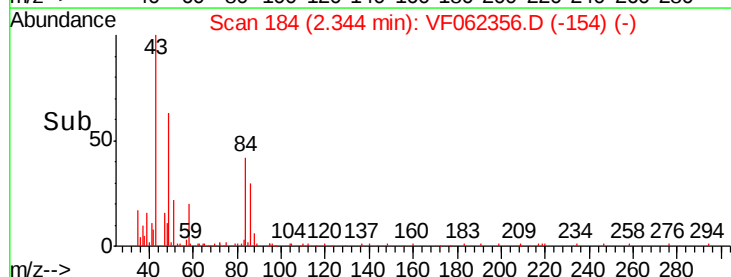
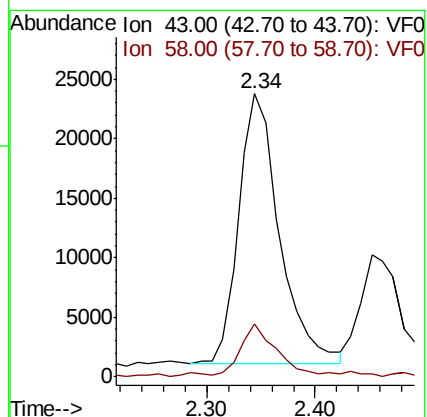
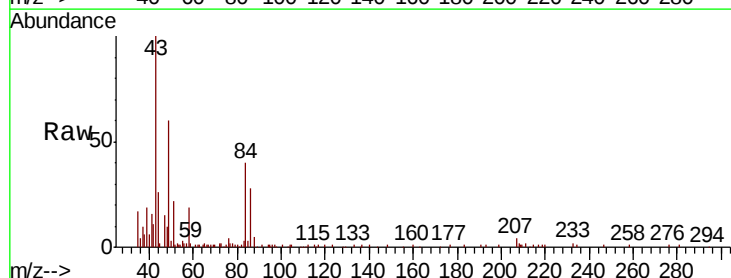
Delta R.T. -0.01 min

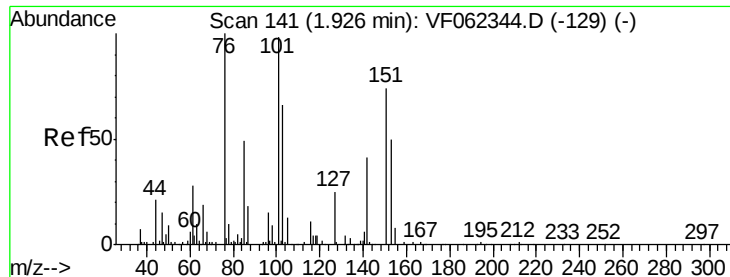
Lab File: VF062356.D

Acq: 7 May 2019 14:37

Tgt Ion: 43 Resp: 59658

Ion	Ratio	Lower	Upper
43	100		
58	18.4	13.1	19.7





#17

Carbon Disulfide

Concen: 18.632 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

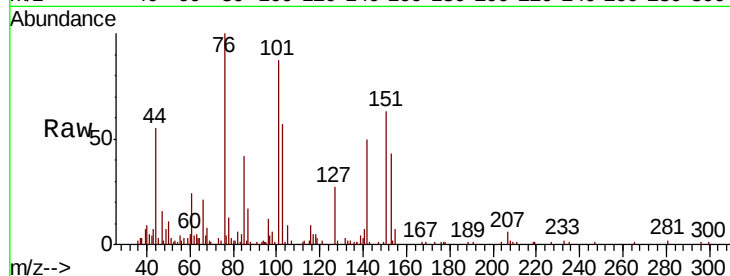
VF0507SBSD01

Tgt Ion: 76 Resp: 96543

Ion Ratio Lower Upper

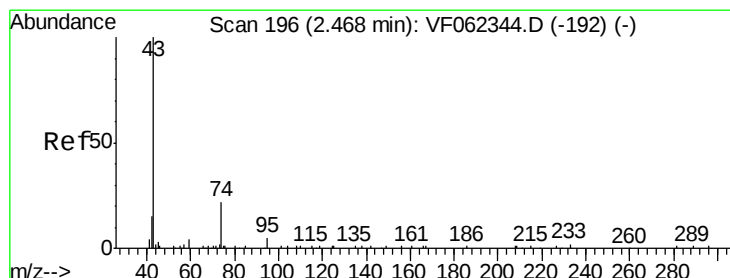
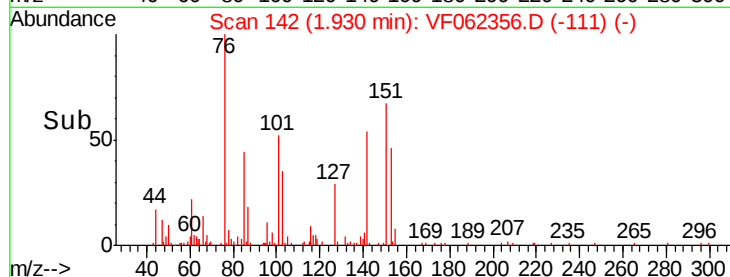
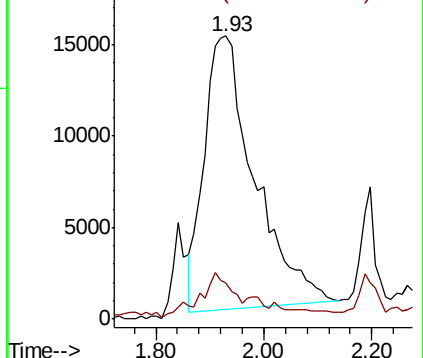
76 100

78 10.9 9.0 13.4



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 18.469 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF062356.D

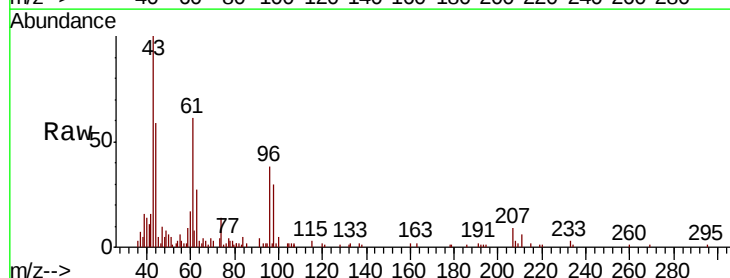
Acq: 7 May 2019 14:37

Tgt Ion: 43 Resp: 22092

Ion Ratio Lower Upper

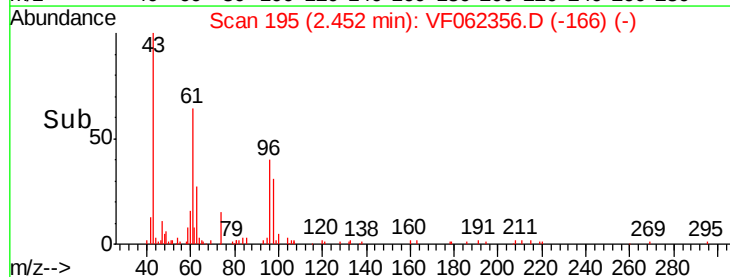
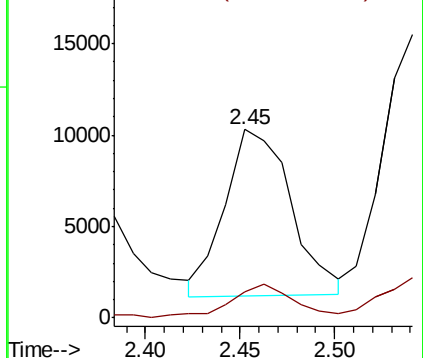
43 100

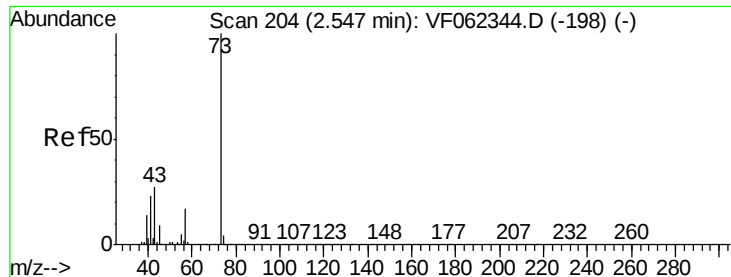
74 19.7 15.0 22.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



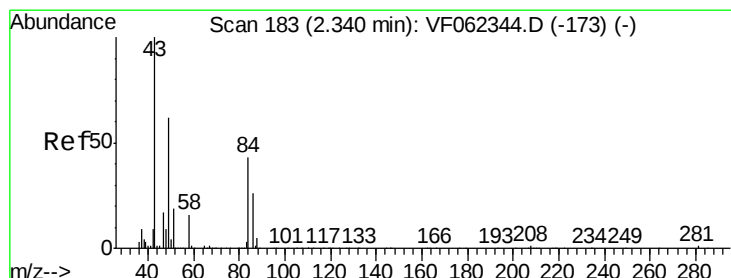
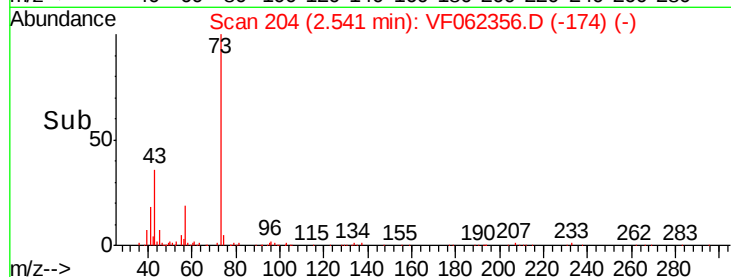
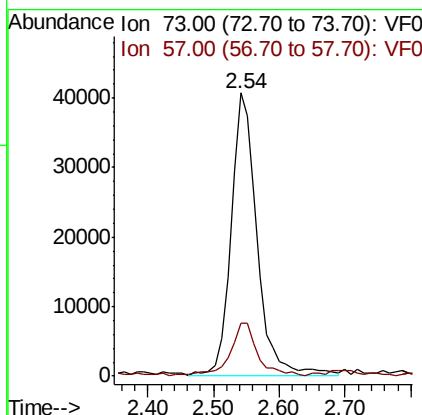
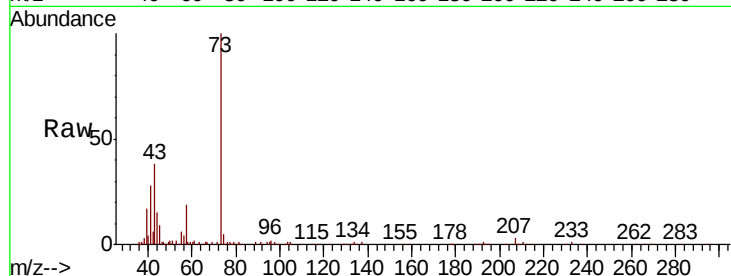


#19

Methyl tert-butyl Ether
 Concen: 23.179 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

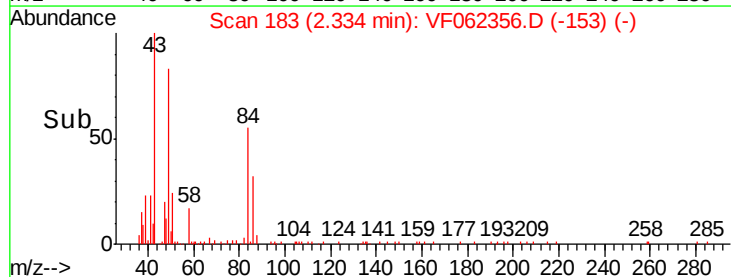
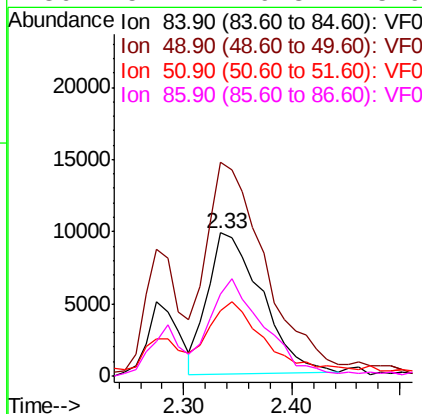
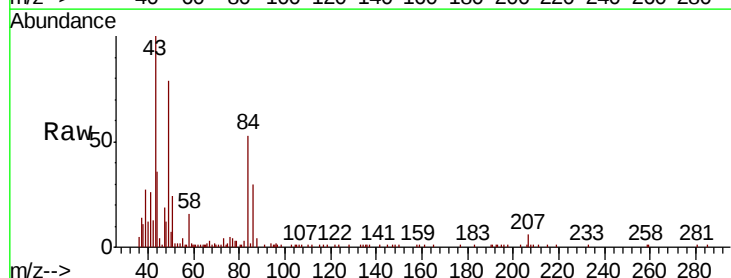
Tgt Ion: 73 Resp: 113703
 Ion Ratio Lower Upper
 73 100
 57 18.2 13.7 20.5

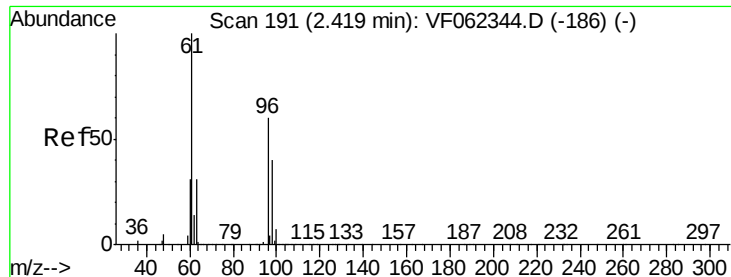


#20

Methylene Chloride
 Concen: 15.777 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

Tgt Ion: 84 Resp: 33823
 Ion Ratio Lower Upper
 84 100
 49 145.8 117.5 176.3
 51 40.2 37.0 55.4
 86 57.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 15.814 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBSD01

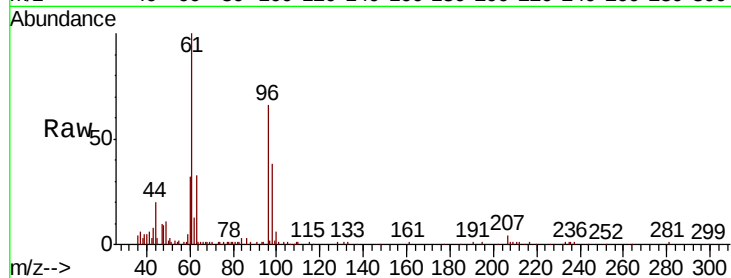
Tgt Ion: 96 Resp: 35805

Ion Ratio Lower Upper

96 100

61 152.5 133.2 199.8

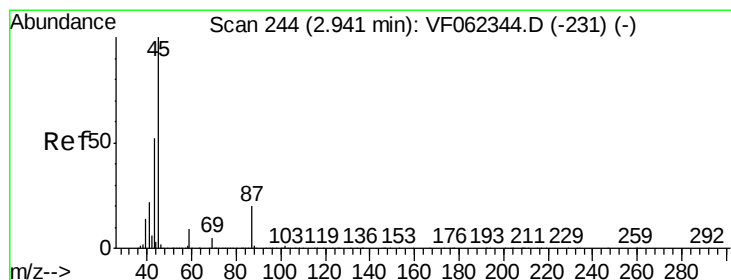
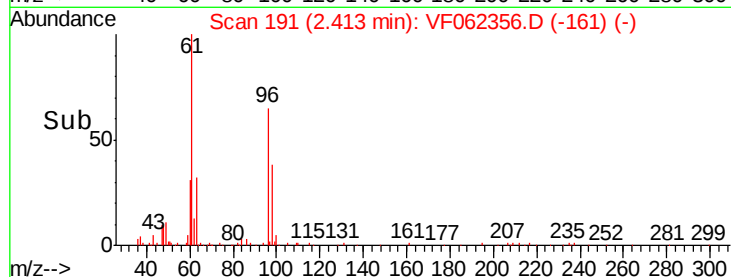
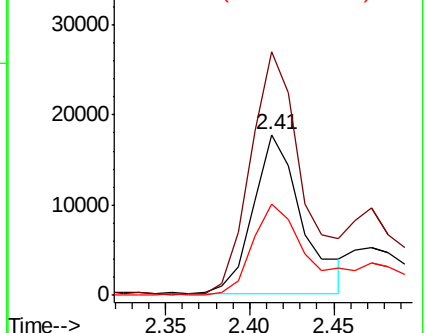
98 57.8 53.1 79.7



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



#22

Diisopropyl ether

Concen: 23.255 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Tgt Ion: 45 Resp: 152573

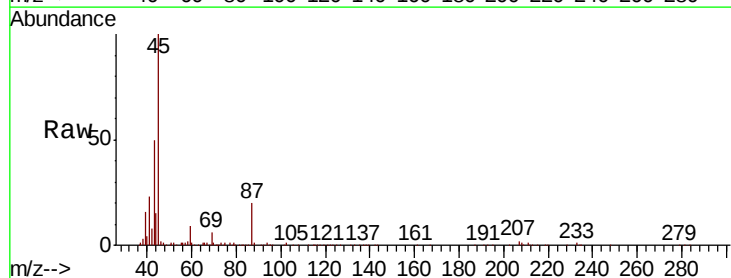
Ion Ratio Lower Upper

45 100

43 49.0 41.4 62.0

87 20.1 15.8 23.6

59 8.8 7.2 10.8

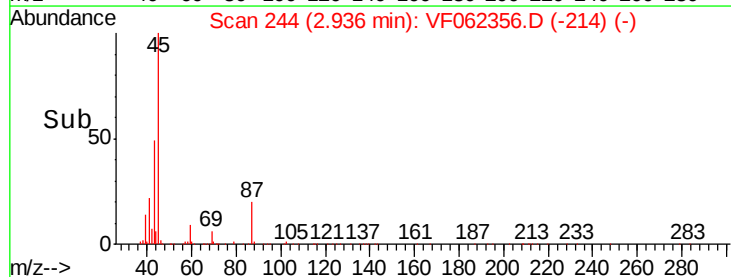
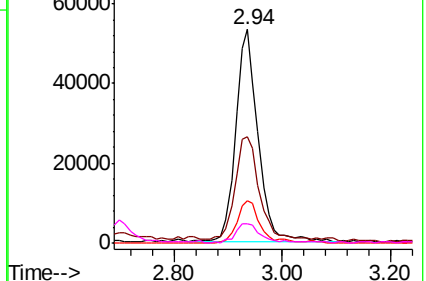


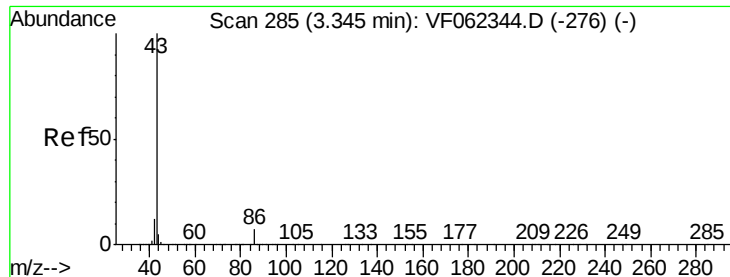
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 115.322 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

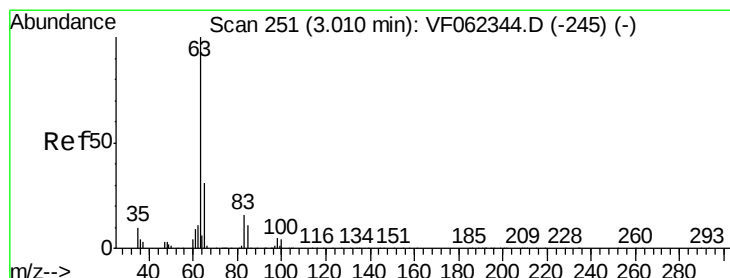
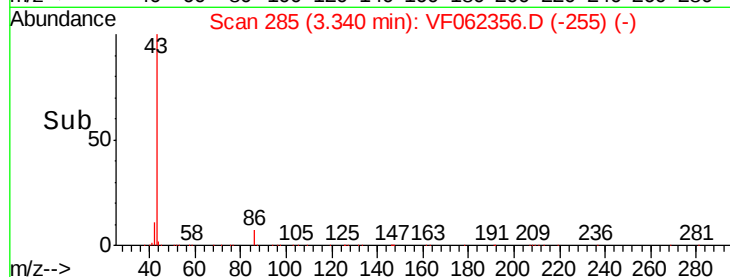
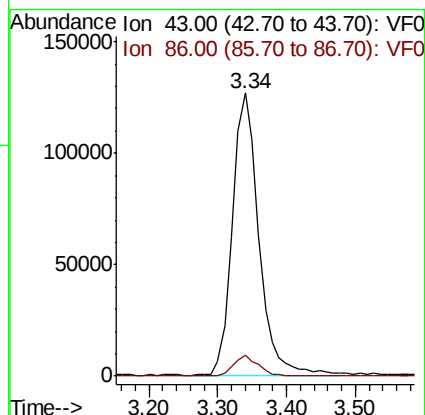
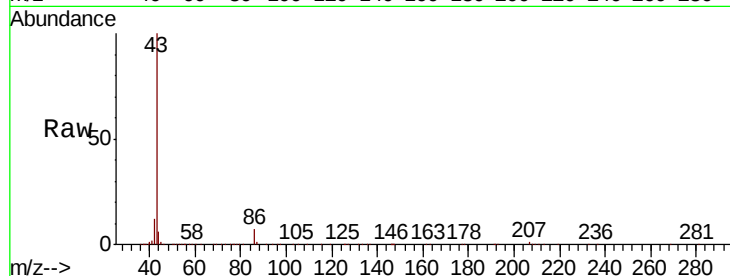
VF0507SBSD01

Tgt Ion: 43 Resp: 337214

Ion Ratio Lower Upper

43 100

86 7.2 5.7 8.5



#24

1,1-Dichloroethane

Concen: 25.290 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

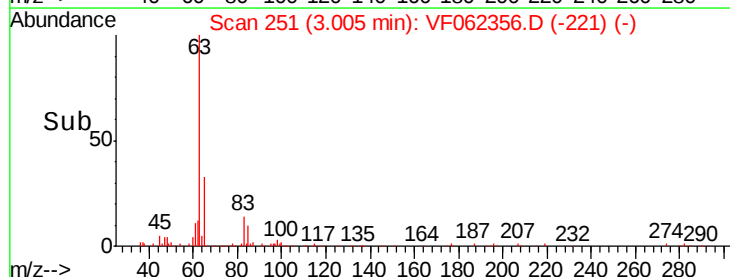
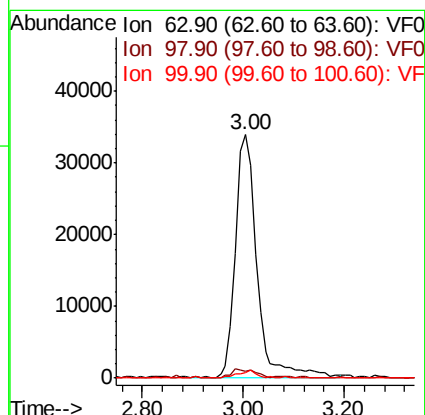
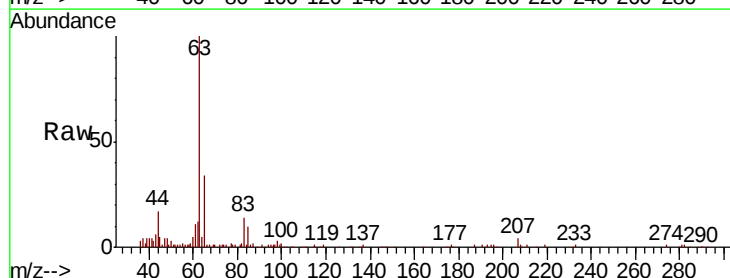
Tgt Ion: 63 Resp: 100282

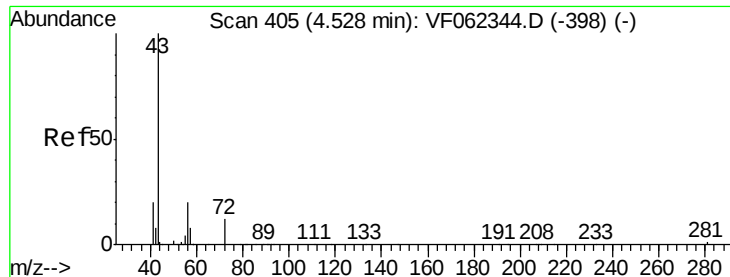
Ion Ratio Lower Upper

63 100

98 2.6 2.6 8.0#

100 2.2 1.8 5.4

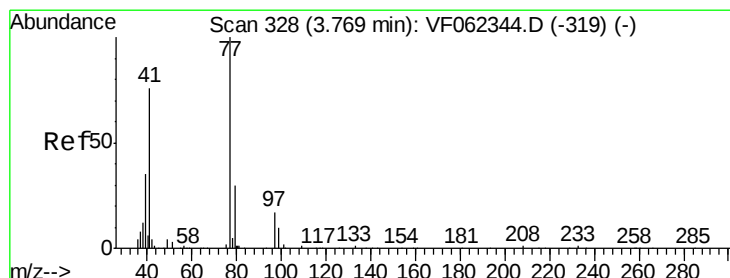
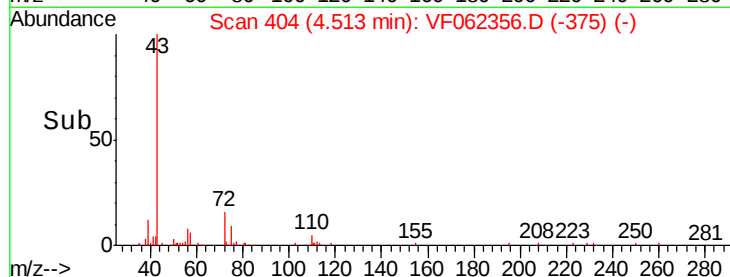
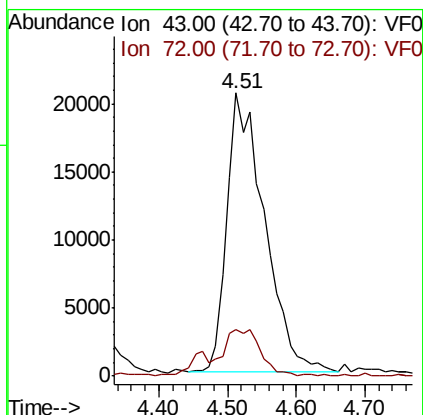
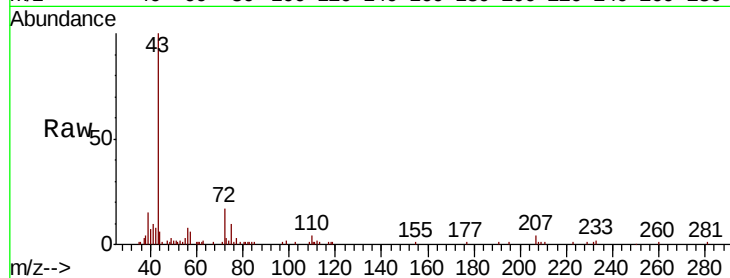




#25
2-Butanone
Concen: 104.723 ug/l
RT: 4.51 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

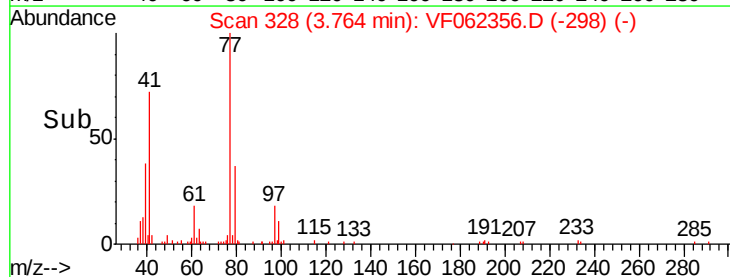
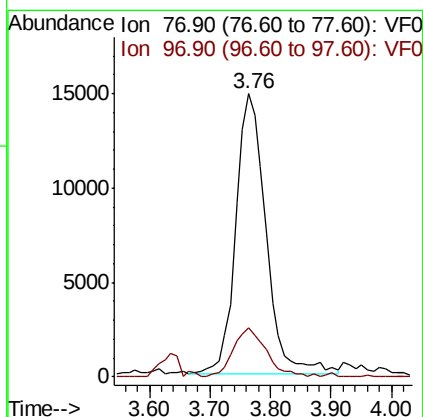
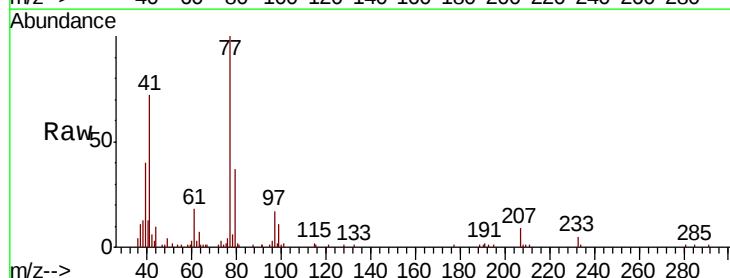
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

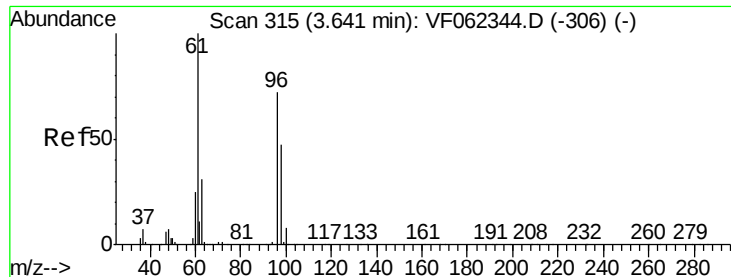
Tgt Ion: 43 Resp: 77960
Ion Ratio Lower Upper
43 100
72 16.9 14.2 21.4



#26
2,2-Dichloropropane
Concen: 23.248 ug/l
RT: 3.76 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Tgt Ion: 77 Resp: 51479
Ion Ratio Lower Upper
77 100
97 19.0 9.5 28.5



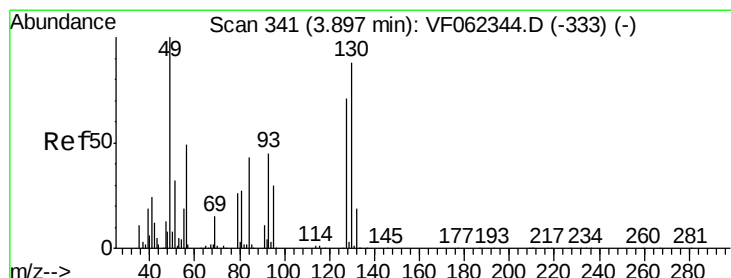
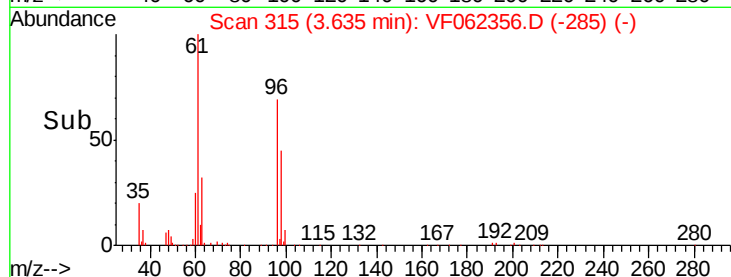
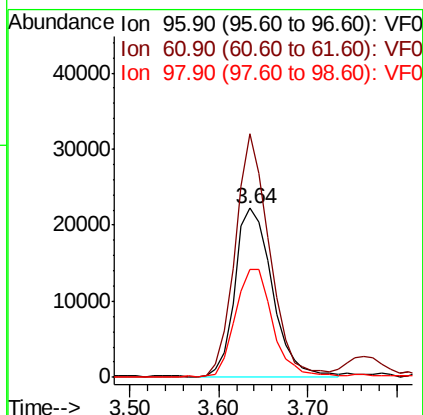
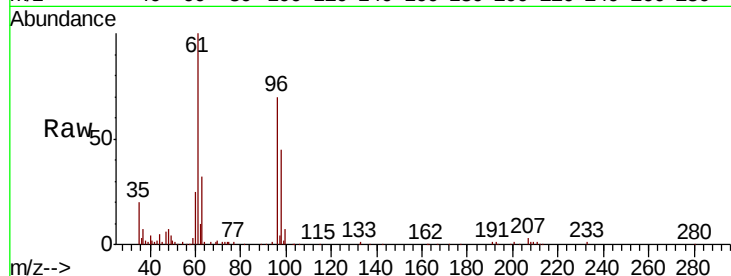


#27

cis-1,2-Dichloroethene
 Concen: 22.686 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBSD01

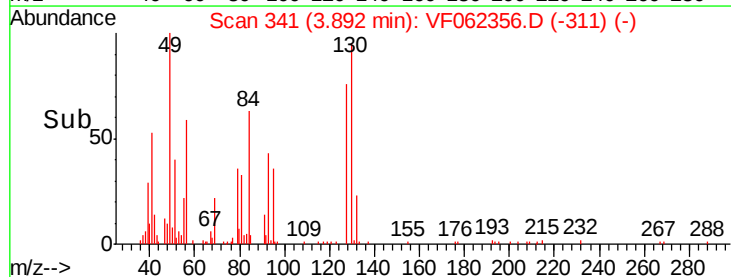
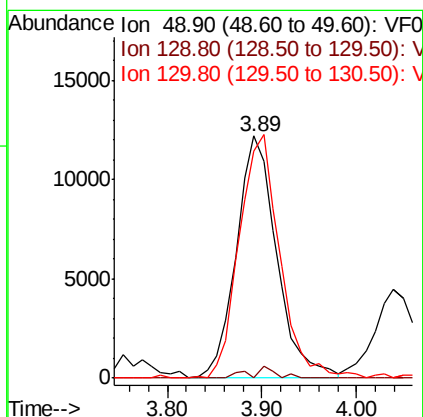
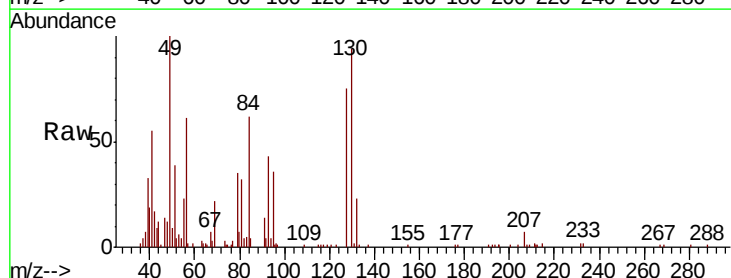
Tgt Ion: 96 Resp: 64204
 Ion Ratio Lower Upper
 96 100
 61 134.7 0.0 263.0
 98 65.9 0.0 130.8

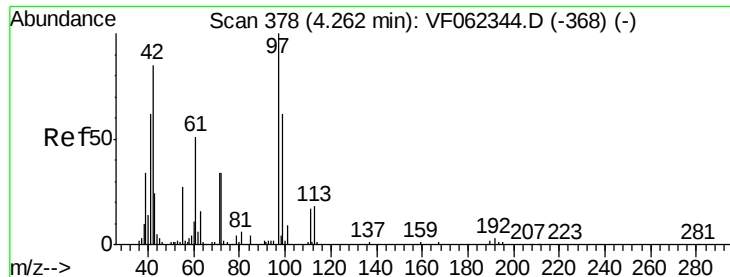


#28

Bromochloromethane
 Concen: 20.156 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

Tgt Ion: 49 Resp: 36247
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 2.2#
 130 100.8 79.4 119.0





#29

Tetrahydrofuran

Concen: 102.305 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

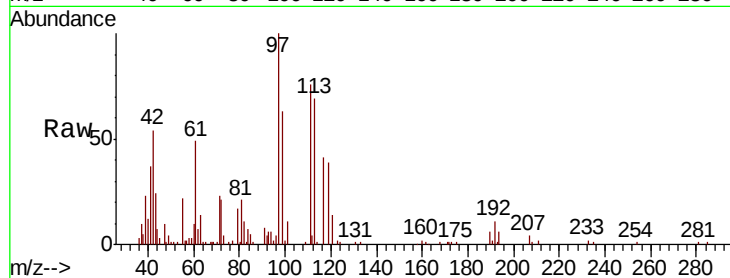
Tgt Ion: 42 Resp: 35003

Ion Ratio Lower Upper

42 100

72 37.2 31.4 47.0

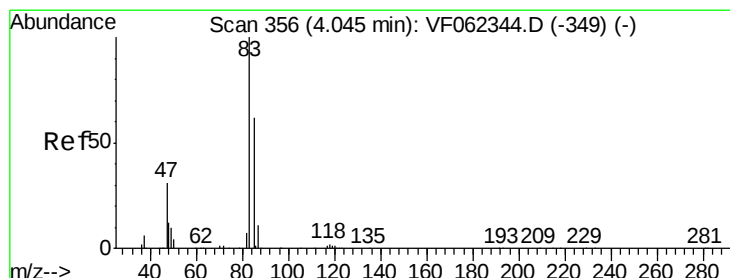
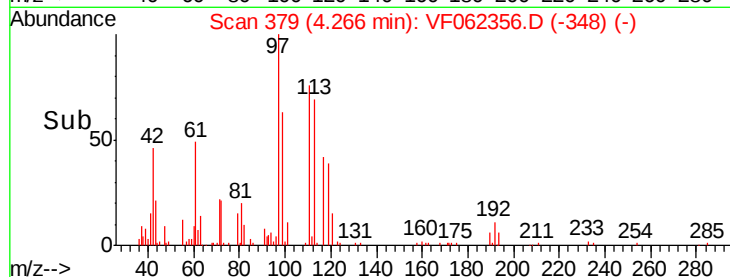
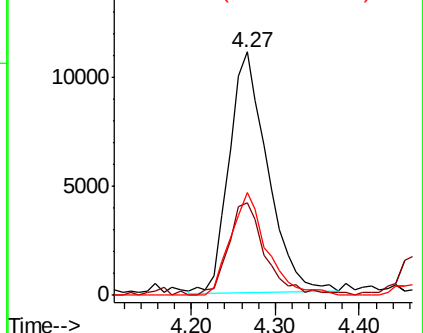
71 40.3 31.7 47.5



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: 23.624 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF062356.D

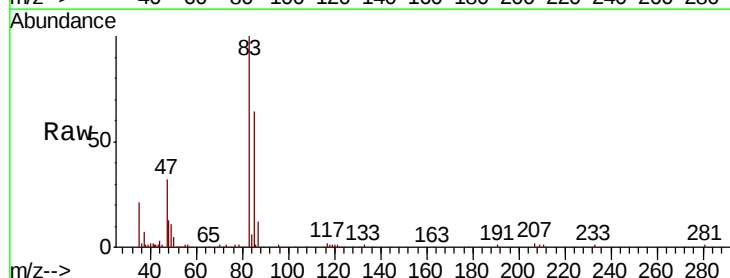
Acq: 7 May 2019 14:37

Tgt Ion: 83 Resp: 126555

Ion Ratio Lower Upper

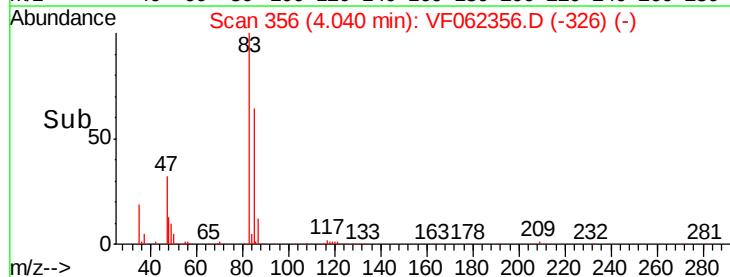
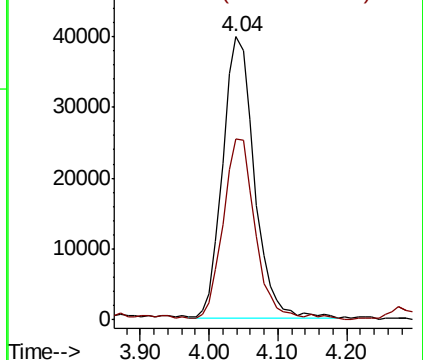
83 100

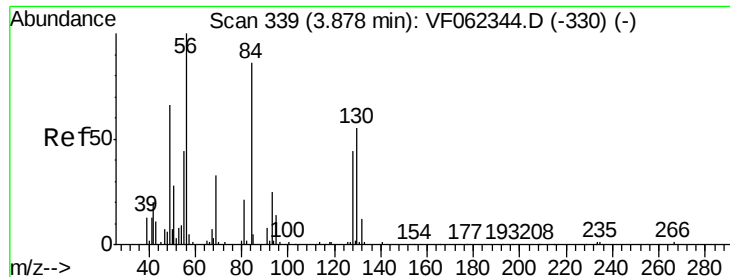
85 63.8 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

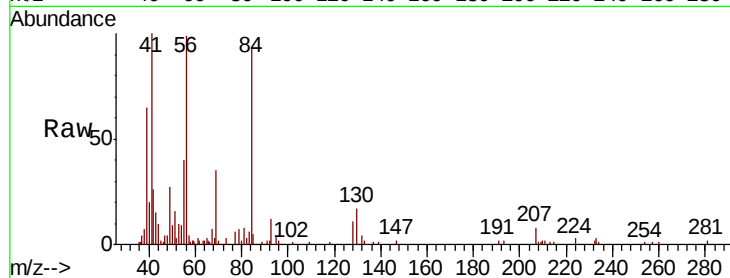




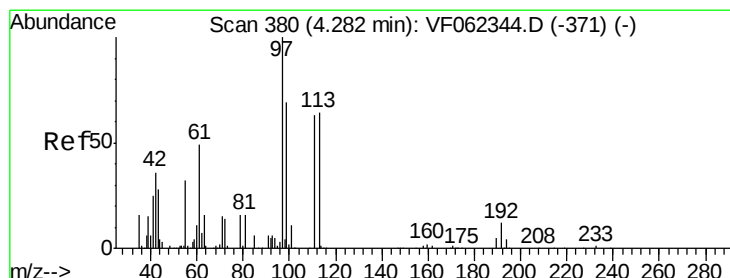
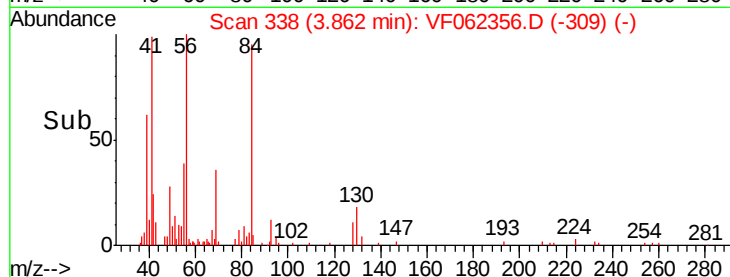
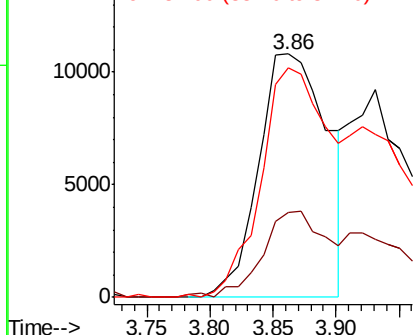
#31
Cyclohexane
Concen: 13.023 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBSD01

Tgt Ion: 56 Resp: 41216
Ion Ratio Lower Upper
56 100
69 33.6 26.4 39.6
84 92.9 69.0 103.6

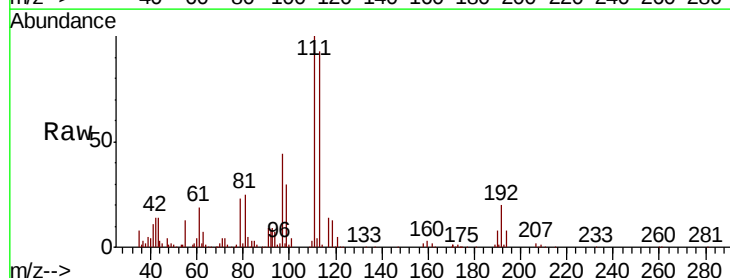


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

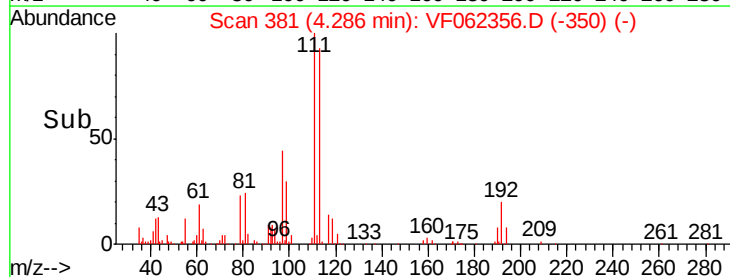
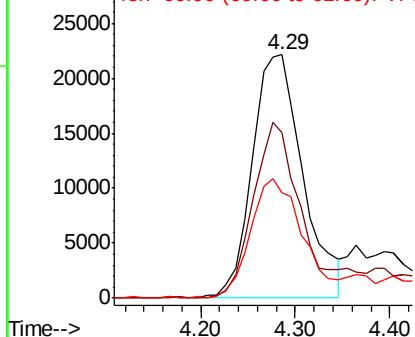


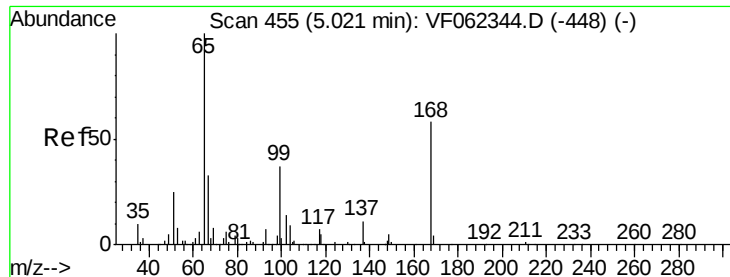
#32
1,1,1-Trichloroethane
Concen: 18.005 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Tgt Ion: 97 Resp: 82665
Ion Ratio Lower Upper
97 100
99 72.4 52.6 78.8
61 50.6 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 52.964 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

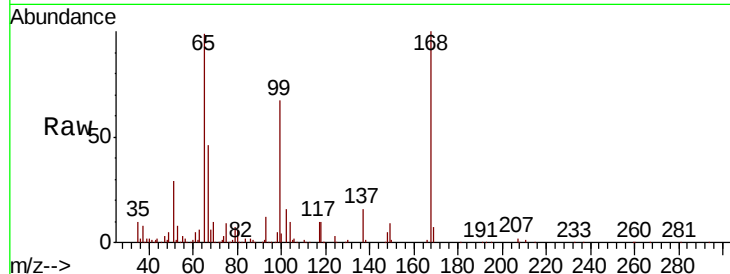
VF0507SBSD01

Tgt Ion: 65 Resp: 155141

Ion Ratio Lower Upper

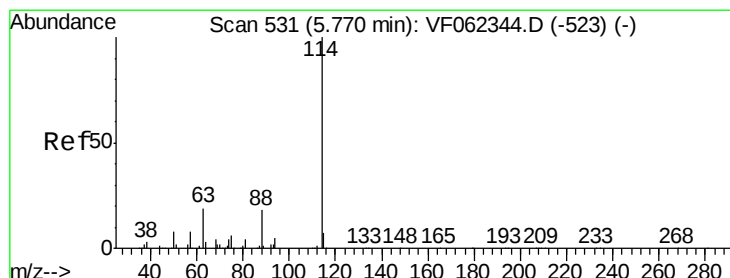
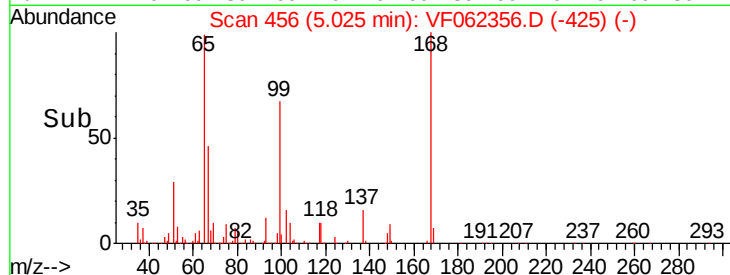
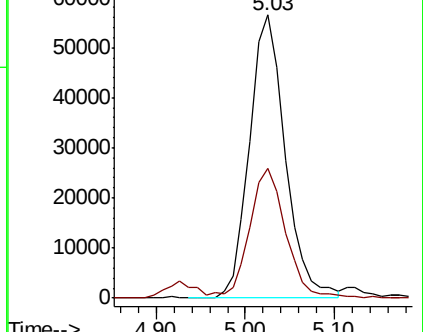
65 100

67 46.4 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

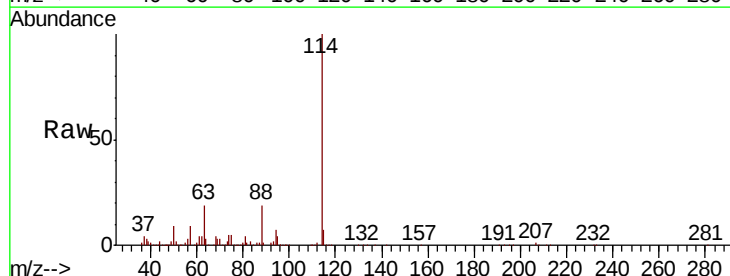
Tgt Ion: 114 Resp: 409384

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

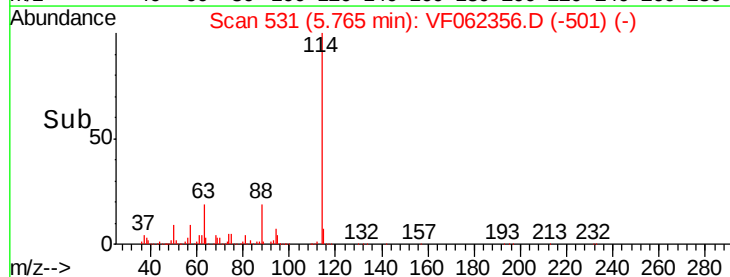
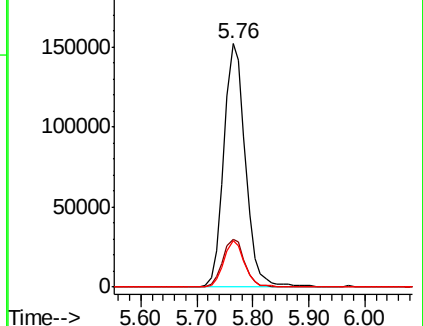
88 19.0 0.0 36.4

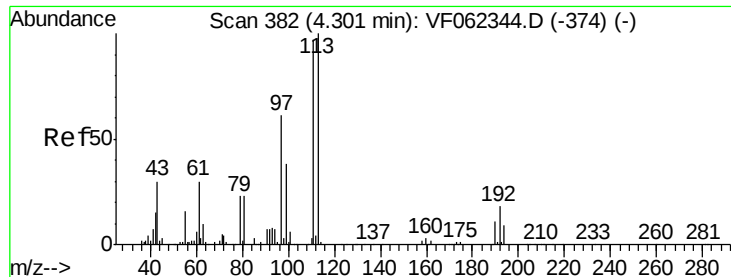


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

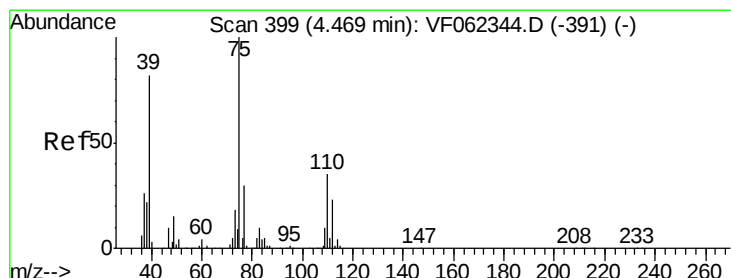
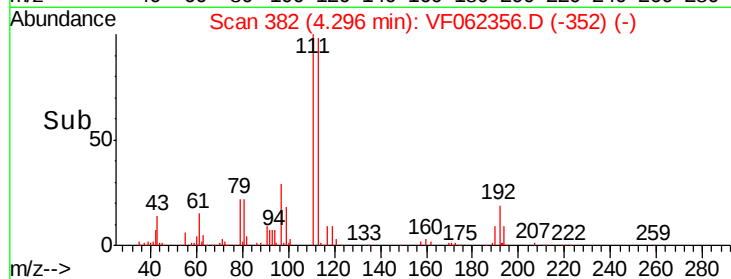
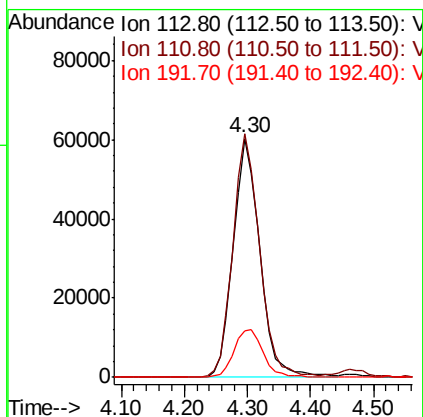
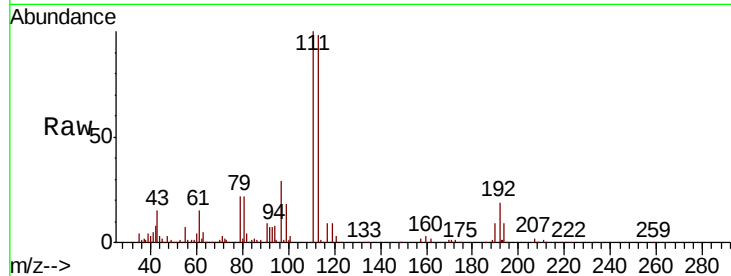




#35
 Dibromofluoromethane
 Concen: 54.035 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

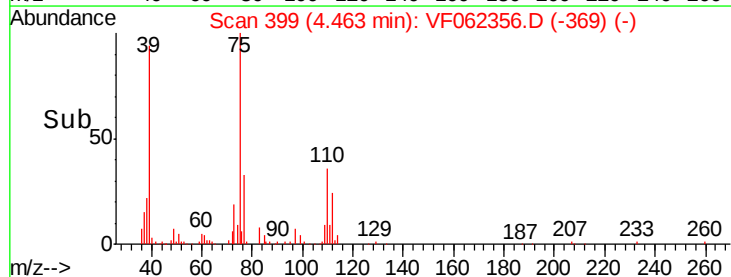
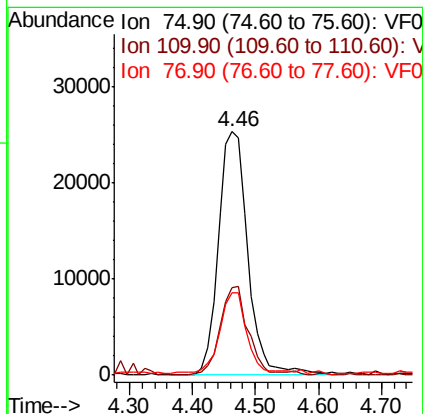
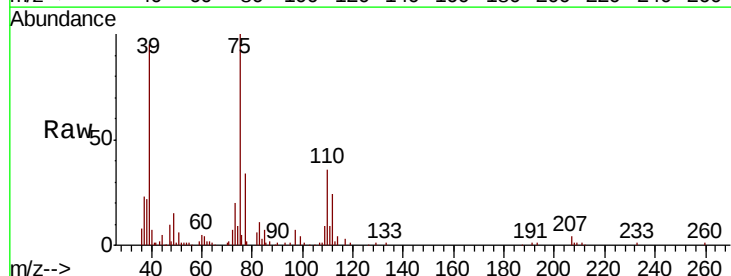
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

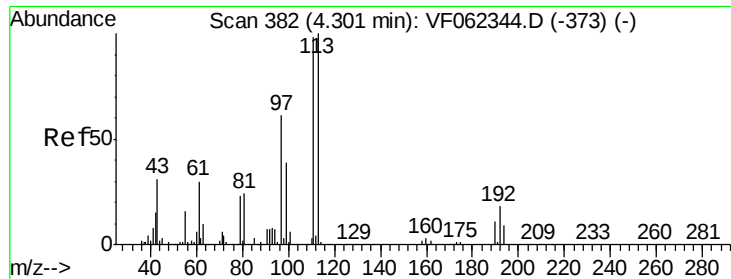
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	79.4	119.0
192	21.8	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 23.530 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.2	51.5
77	30.0	25.2	37.8

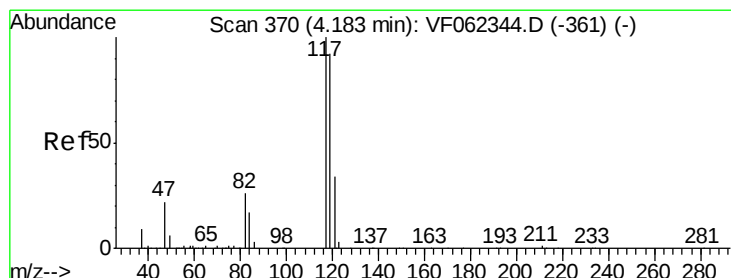
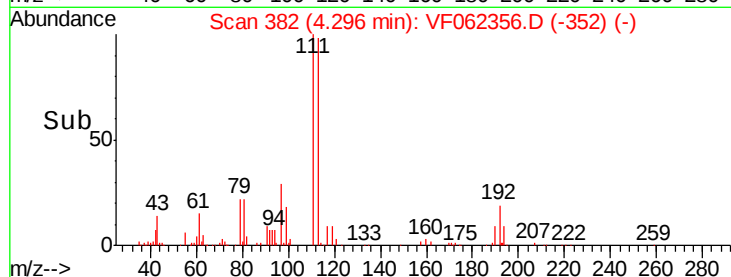
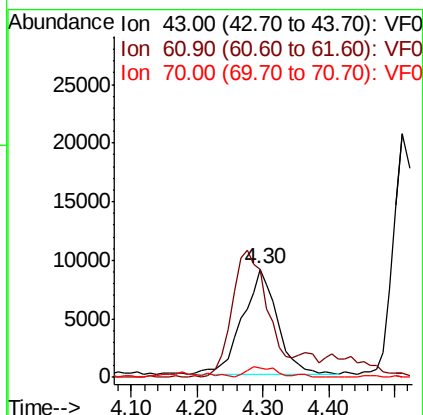
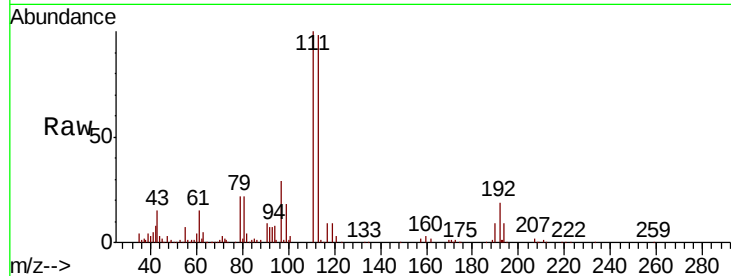




#37
Ethyl Acetate
Concen: 21.578 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

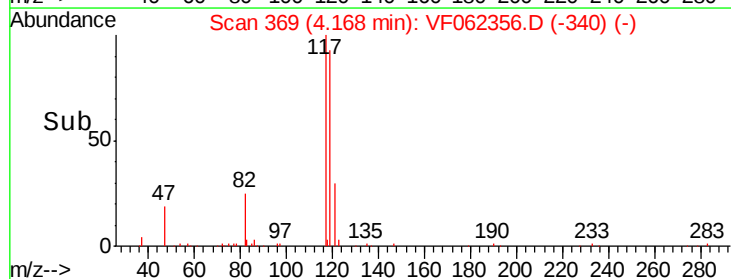
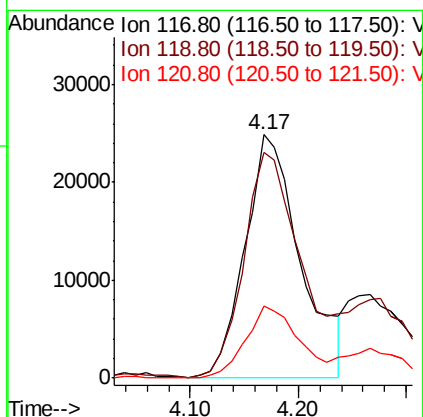
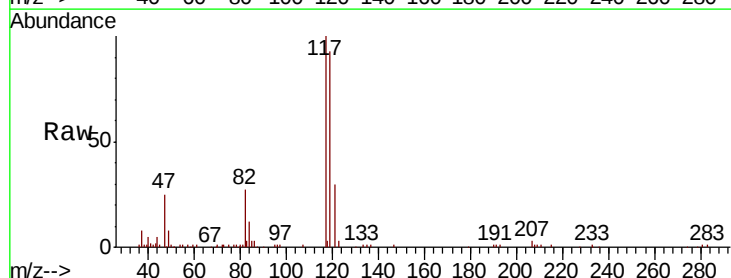
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBSD01

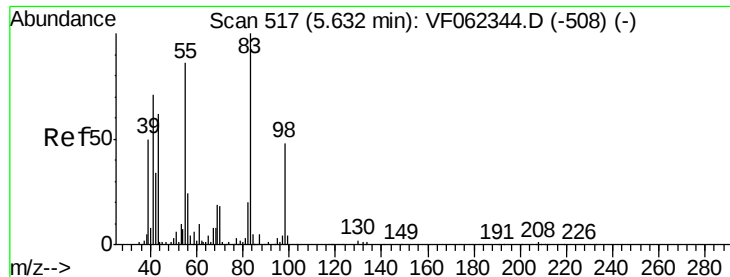
Tgt Ion: 43 Resp: 33651
Ion Ratio Lower Upper
43 100
61 124.2 0.0 0.0#
70 8.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 22.708 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.02 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Tgt Ion: 117 Resp: 88366
Ion Ratio Lower Upper
117 100
119 93.2 73.4 110.2
121 29.8 27.4 41.0

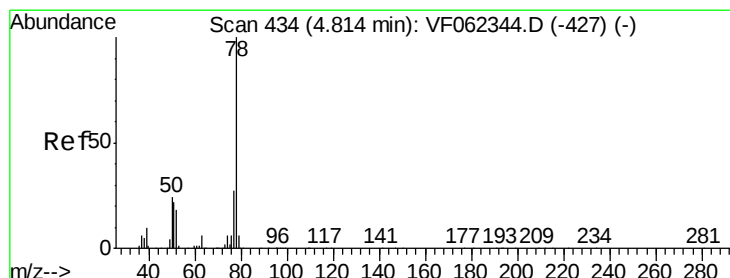
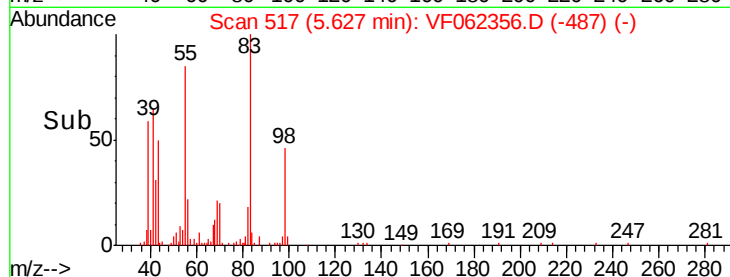
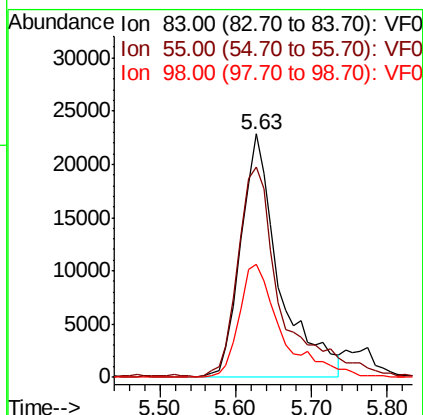
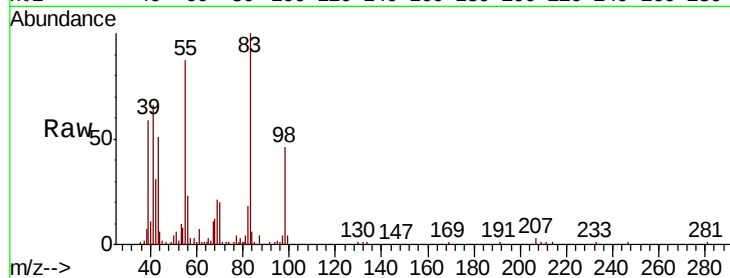




#39
Methylcyclohexane
Concen: 22.950 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

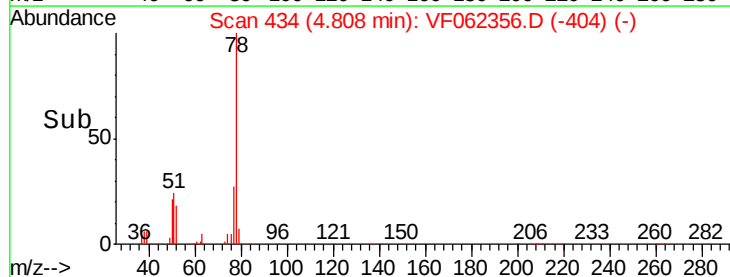
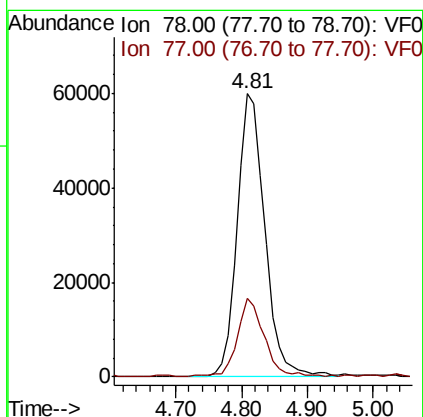
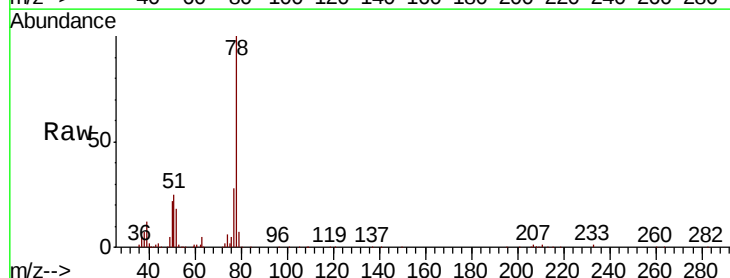
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

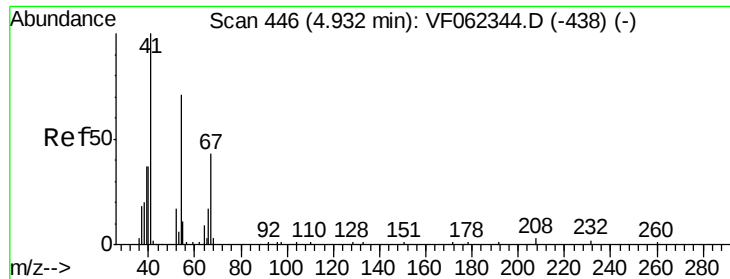
Tgt Ion: 83 Resp: 80944
Ion Ratio Lower Upper
83 100
55 85.7 69.0 103.6
98 46.4 38.6 58.0



#40
Benzene
Concen: 22.906 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Tgt Ion: 78 Resp: 177390
Ion Ratio Lower Upper
78 100
77 27.6 21.6 32.4





#41

Methacrylonitrile

Concen: 21.919 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBSD01

Tgt Ion: 41 Resp: 18483

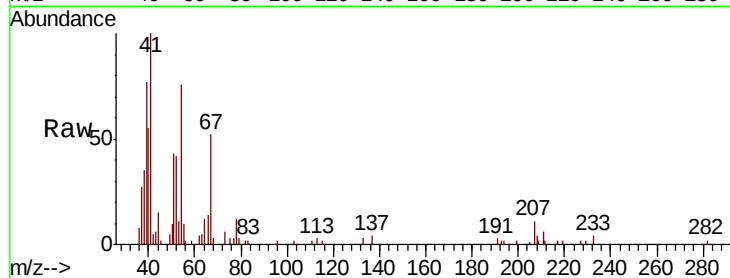
Ion Ratio Lower Upper

41 100

39 79.3 54.3 81.5

67 50.2 37.8 56.8

52 71.8 58.2 87.4

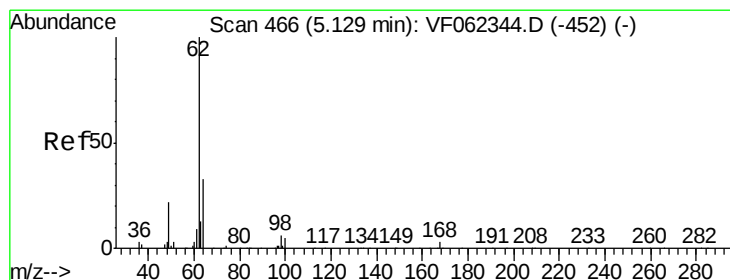
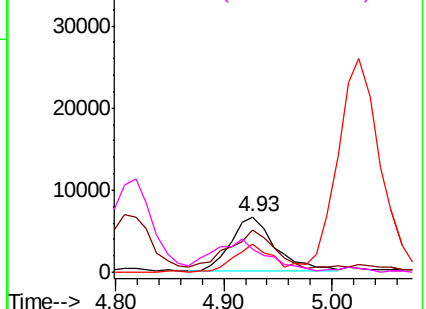
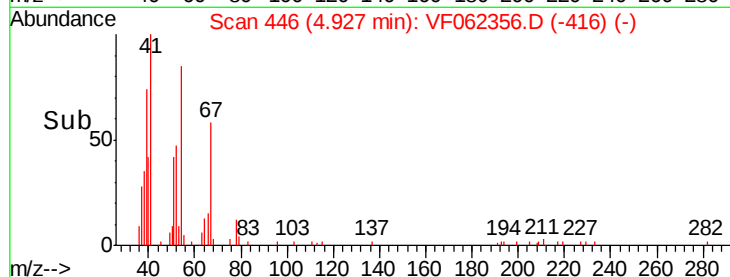


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 23.681 ug/l

RT: 5.12 min Scan# 466

Delta R.T. -0.01 min

Lab File: VF062356.D

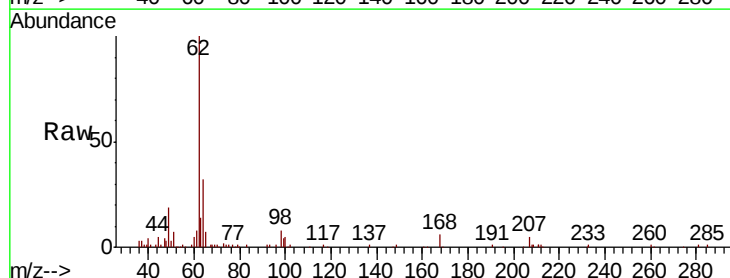
Acq: 7 May 2019 14:37

Tgt Ion: 62 Resp: 76698

Ion Ratio Lower Upper

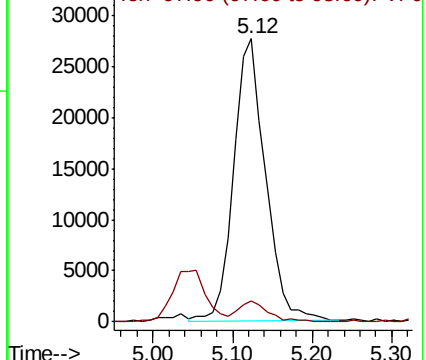
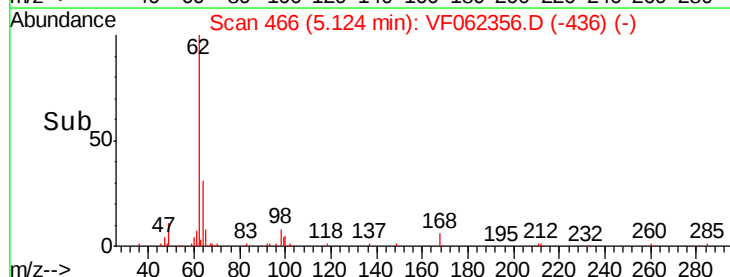
62 100

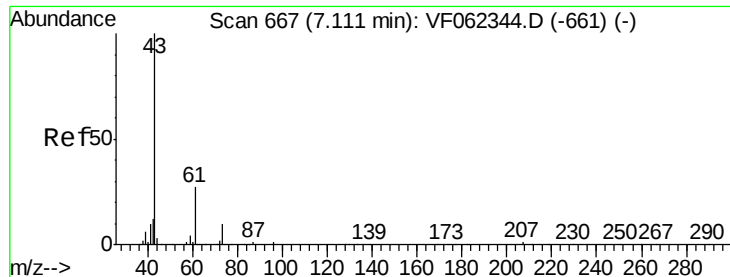
98 6.9 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 20.877 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

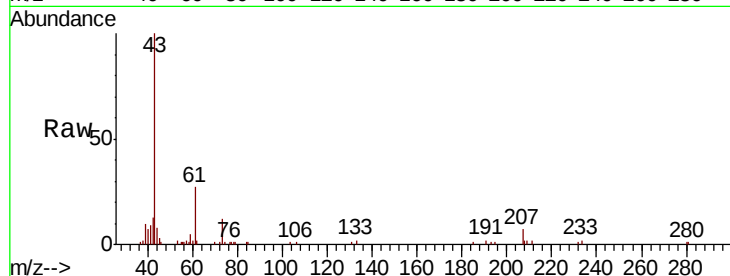
Tgt Ion: 43 Resp: 33394

Ion Ratio Lower Upper

43 100

61 24.0 22.8 34.2

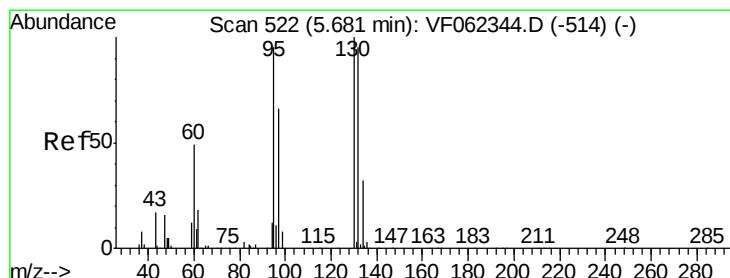
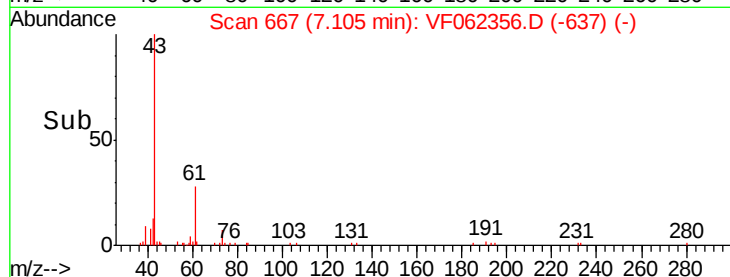
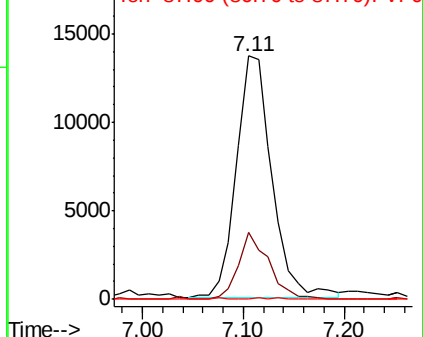
87 0.0 0.6 1.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 24.408 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.01 min

Lab File: VF062356.D

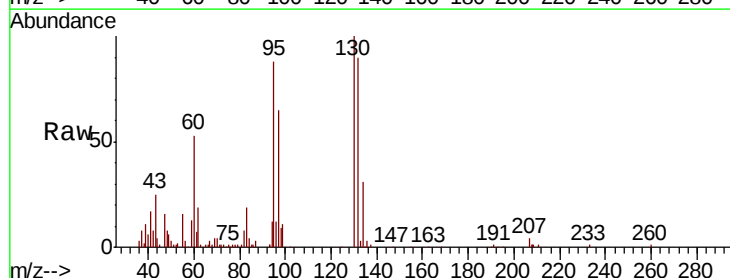
Acq: 7 May 2019 14:37

Tgt Ion: 130 Resp: 69434

Ion Ratio Lower Upper

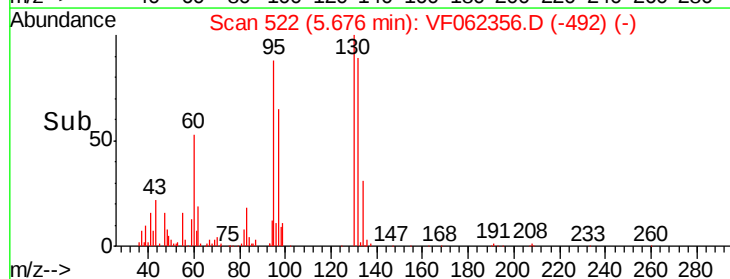
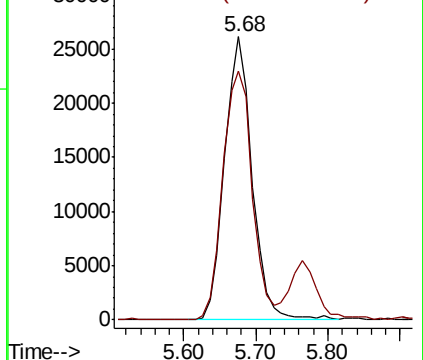
130 100

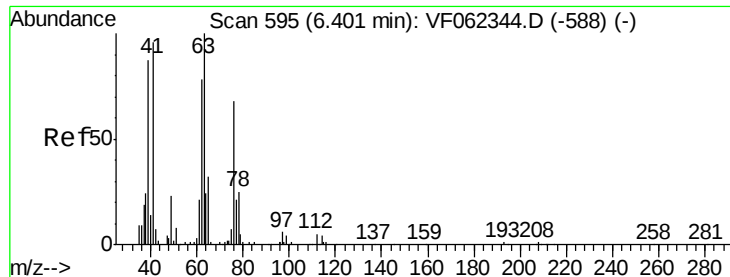
95 87.8 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.910 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

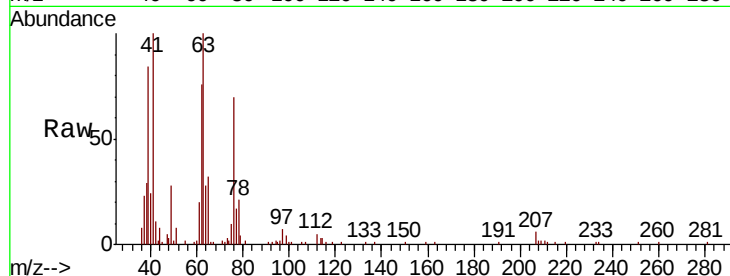
VF0507SBS01

Tgt Ion: 63 Resp: 38432

Ion Ratio Lower Upper

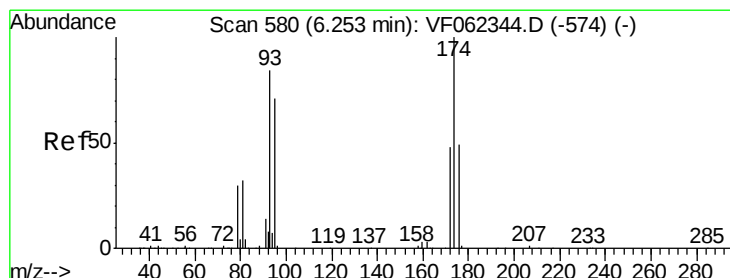
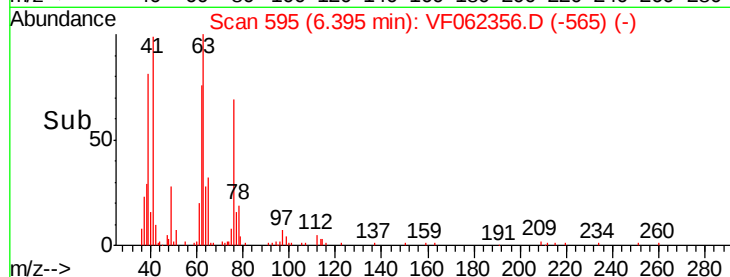
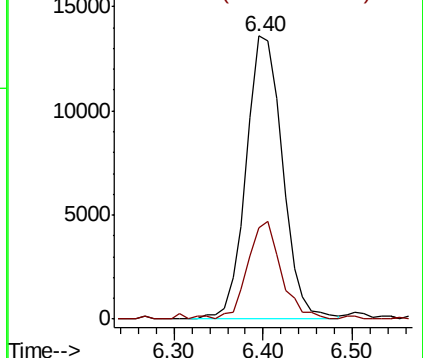
63 100

65 32.2 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0



#46

Dibromomethane

Concen: 23.312 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

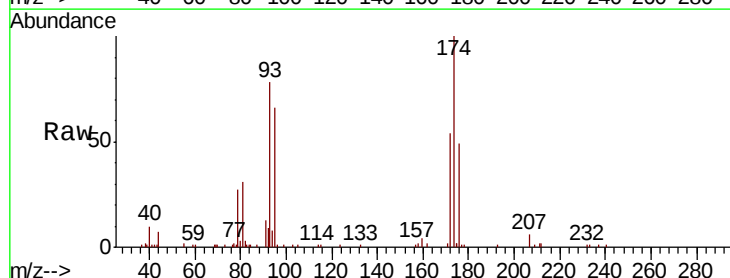
Tgt Ion: 93 Resp: 33903

Ion Ratio Lower Upper

93 100

95 84.1 68.4 102.6

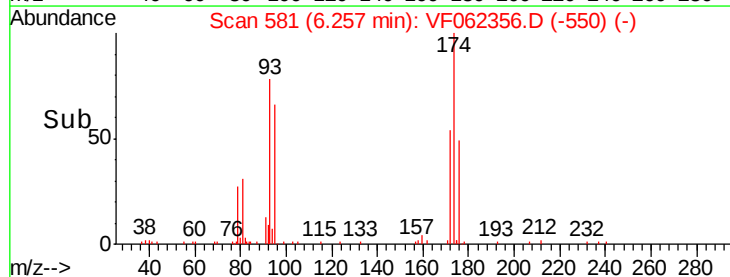
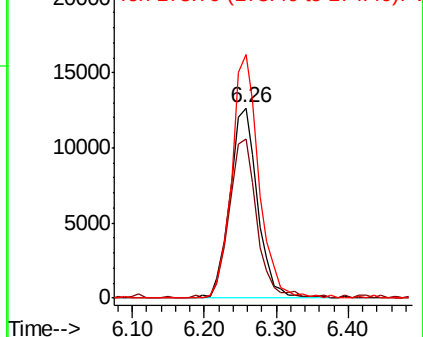
174 125.3 99.6 149.4

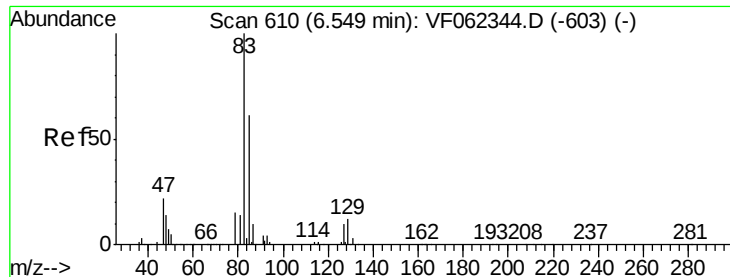


Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.594 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

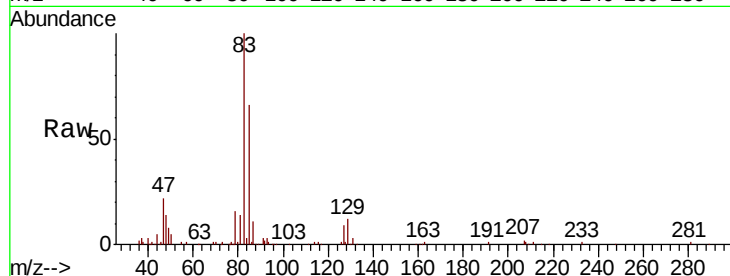
Tgt Ion: 83 Resp: 82153

Ion Ratio Lower Upper

83 100

85 66.0 49.1 73.7

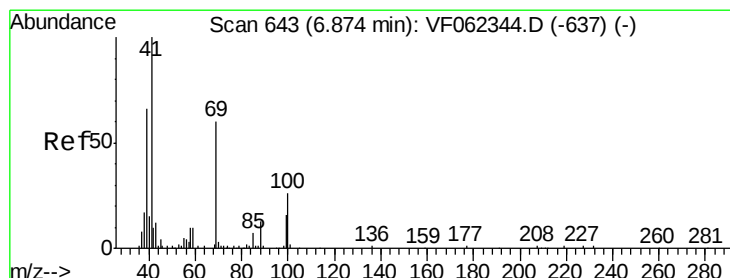
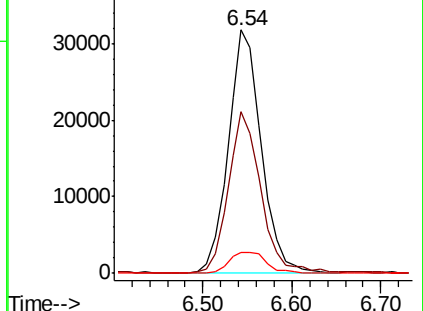
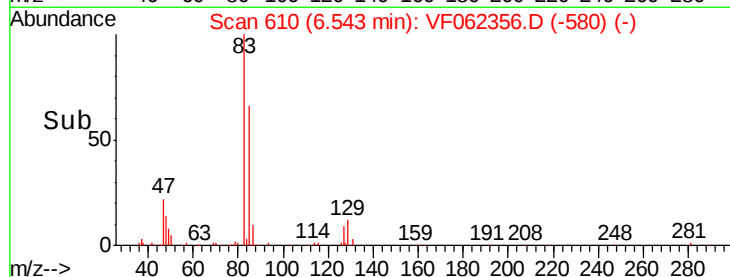
127 8.8 7.8 11.8



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: 20.883 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

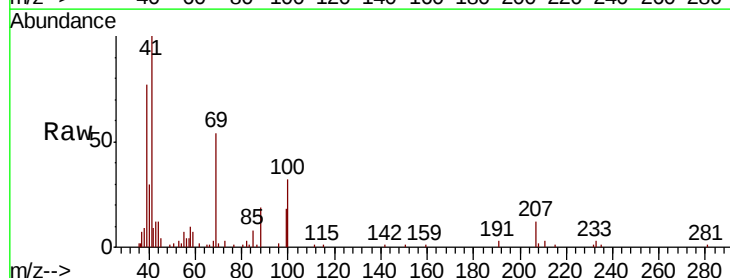
Tgt Ion: 41 Resp: 23607

Ion Ratio Lower Upper

41 100

69 59.5 48.6 72.8

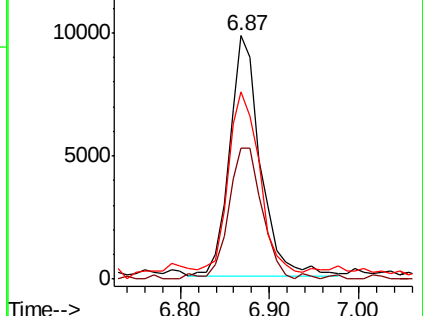
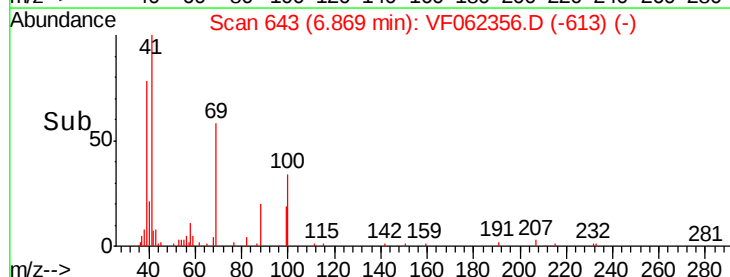
39 75.9 56.1 84.1

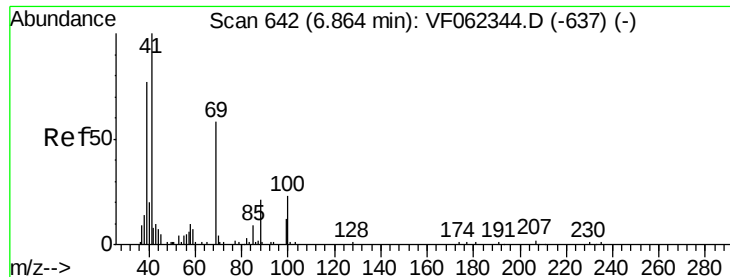


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

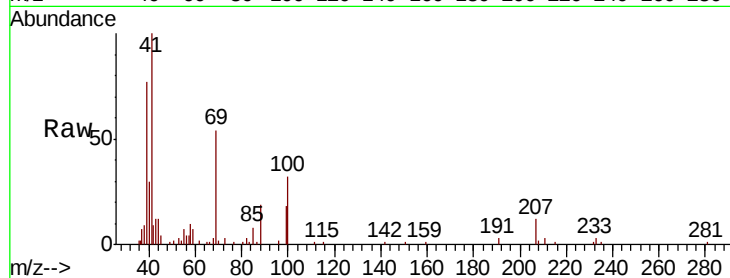




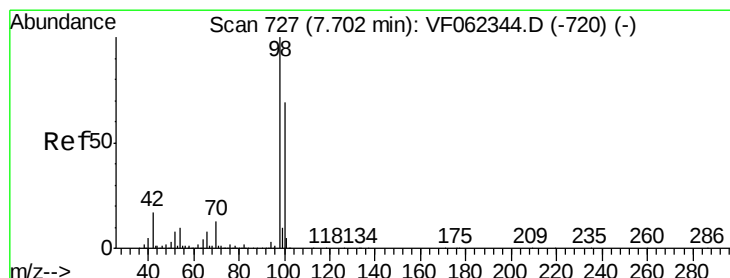
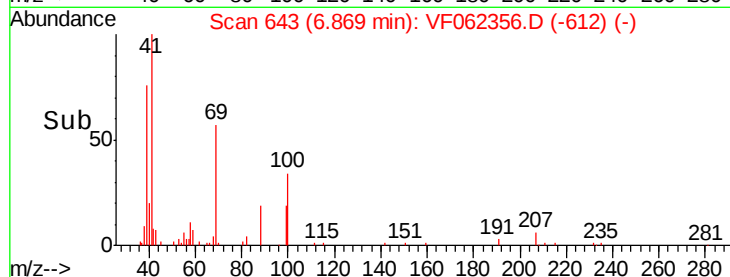
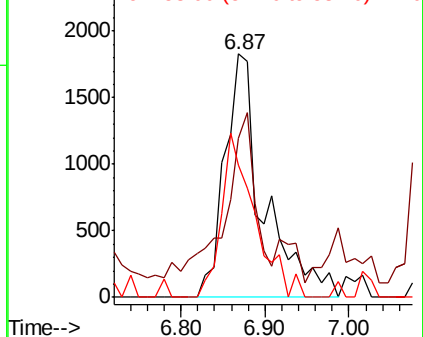
#49
 1,4-Dioxane
 Concen: 497.994 ug/l
 RT: 6.87 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBSD01

Tgt Ion: 88 Resp: 5866
 Ion Ratio Lower Upper
 88 100
 43 51.0 55.6 83.4#
 58 58.0 52.8 79.2

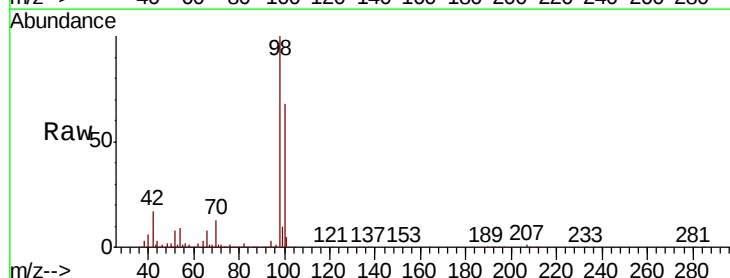


Abundance Ion 88.00 (87.70 to 88.70): VF0
 Ion 43.00 (42.70 to 43.70): VF0
 Ion 58.00 (57.70 to 58.70): VF0

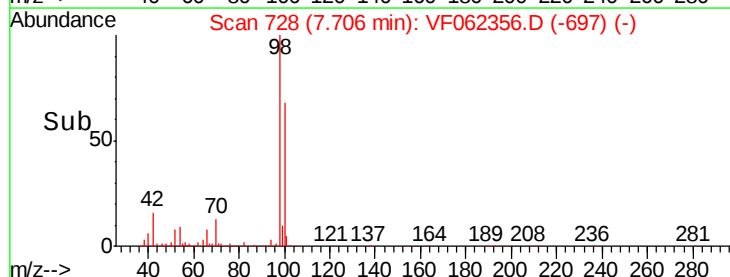
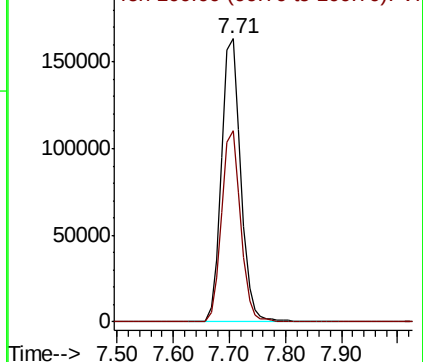


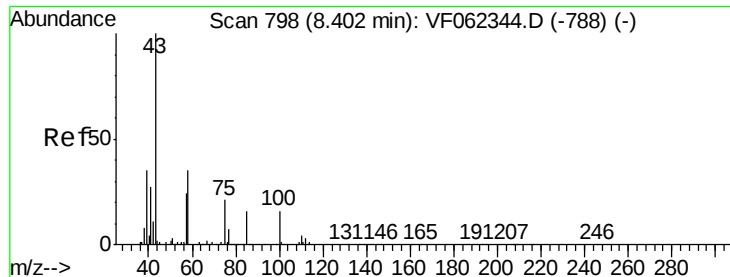
#50
 Toluene-d8
 Concen: 49.850 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

Tgt Ion: 98 Resp: 393559
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.3 79.9



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

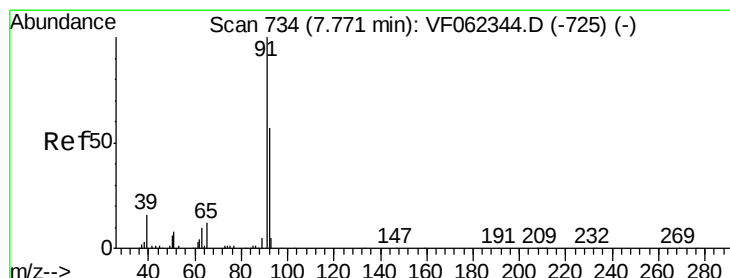
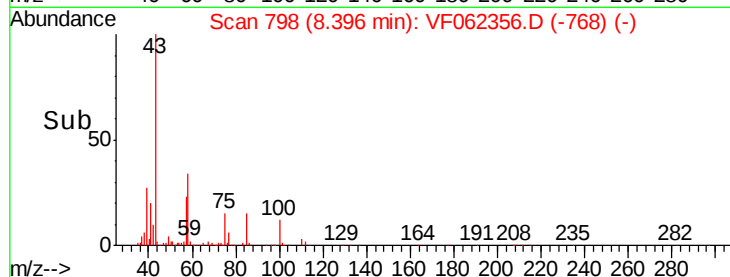
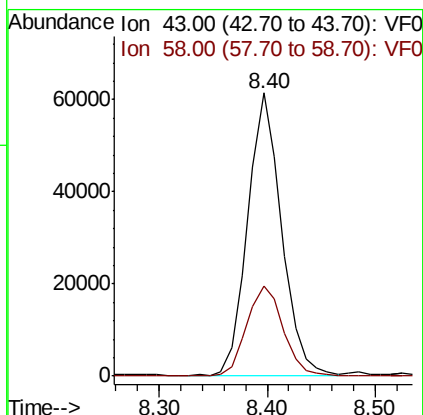
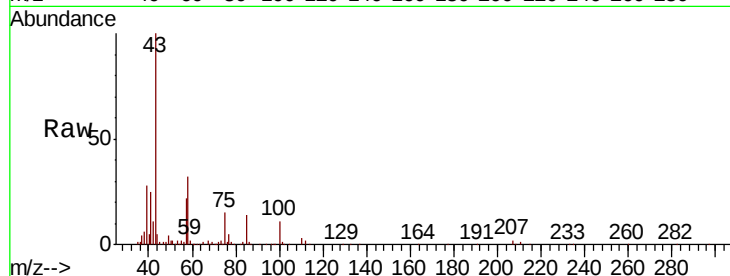




#51
4-Methyl-2-Pentanone
Concen: 110.911 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

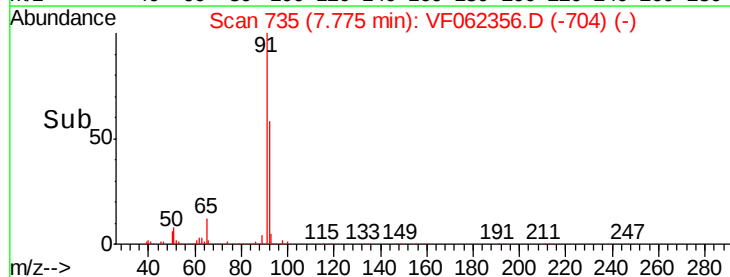
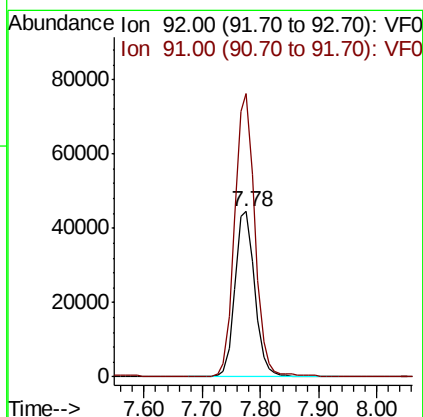
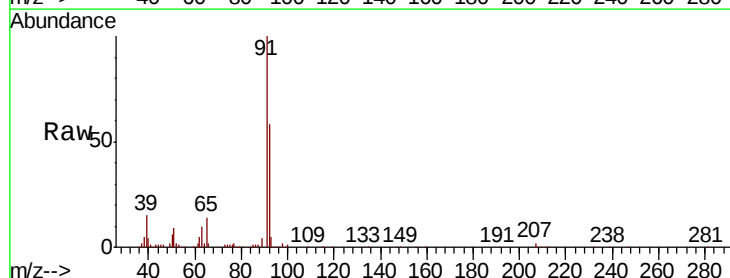
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBSD01

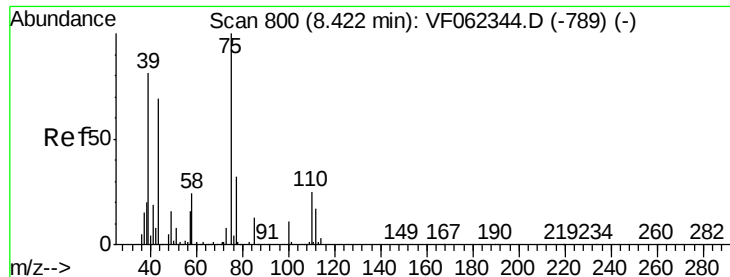
Tgt Ion: 43 Resp: 134433
Ion Ratio Lower Upper
43 100
58 34.4 27.8 41.6



#52
Toluene
Concen: 22.127 ug/l
RT: 7.78 min Scan# 735
Delta R.T. 0.00 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Tgt Ion: 92 Resp: 105712
Ion Ratio Lower Upper
92 100
91 174.3 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 22.611 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

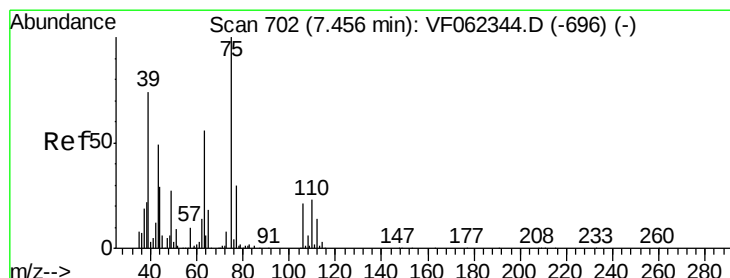
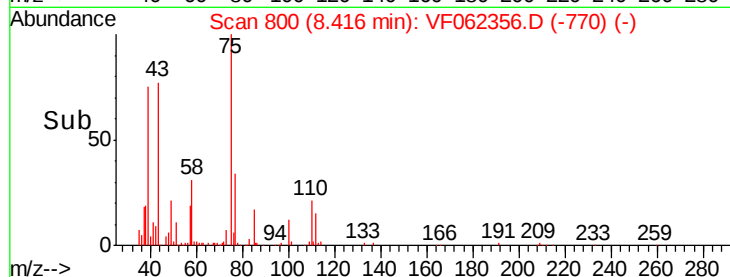
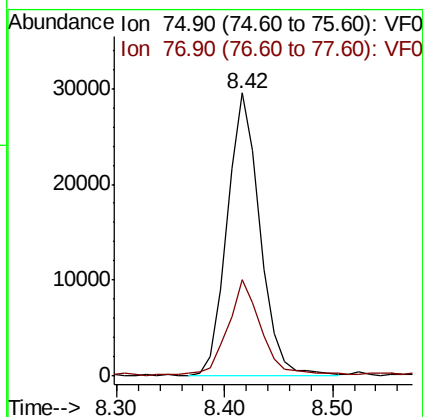
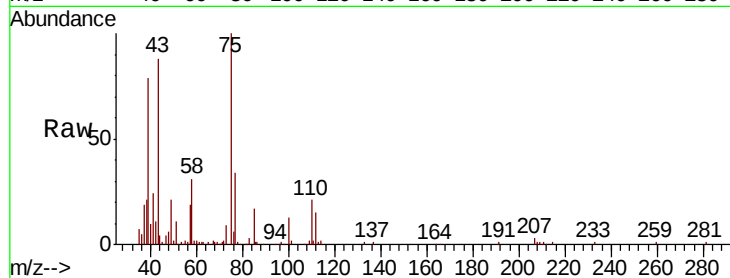
VF0507SBSD01

Tgt Ion: 75 Resp: 62183

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 23.538 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

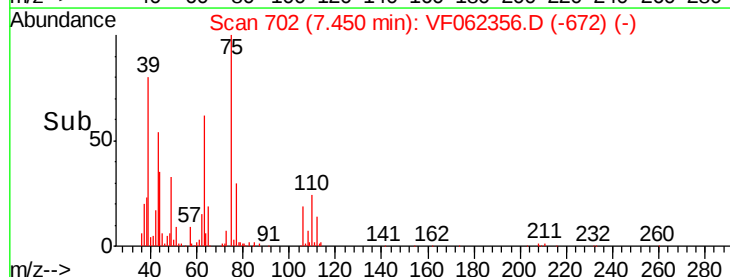
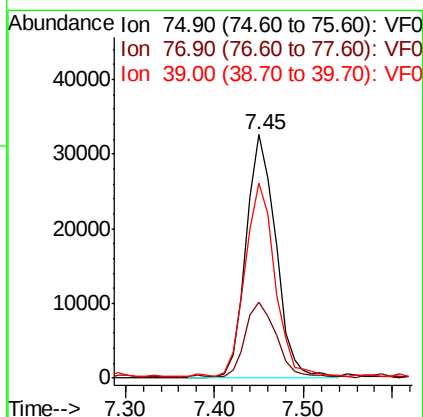
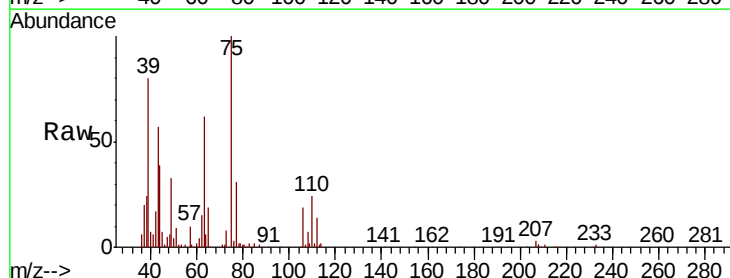
Tgt Ion: 75 Resp: 75337

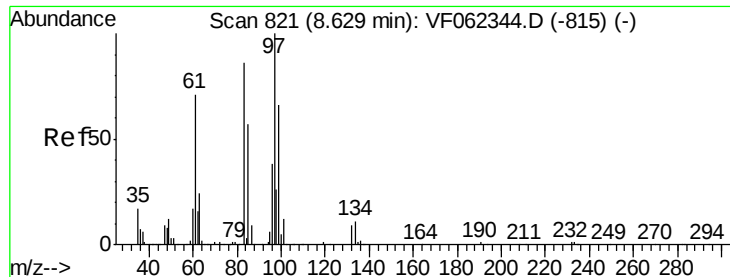
Ion Ratio Lower Upper

75 100

77 30.5 24.0 36.0

39 79.5 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 23.110 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBSD01

Tgt Ion: 97 Resp: 35048

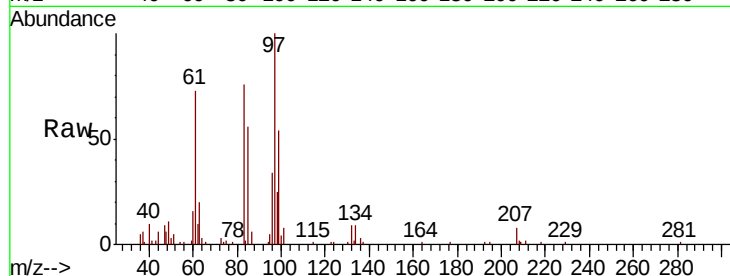
Ion Ratio Lower Upper

97 100

83 75.6 68.5 102.7

85 55.7 45.4 68.2

99 53.5 52.7 79.1

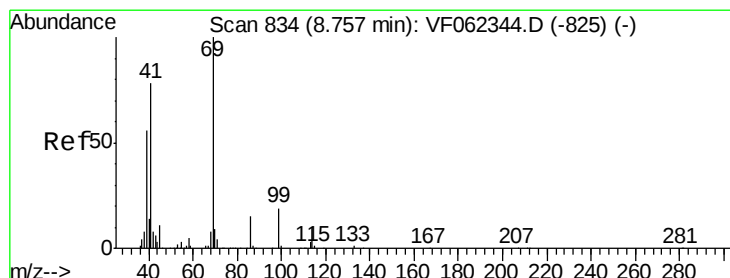
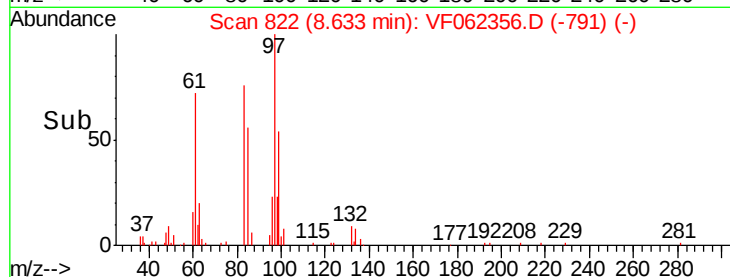
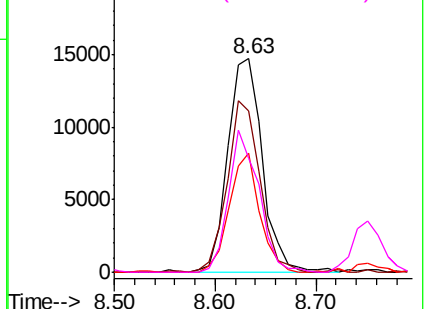


Abundance Ion 96.90 (96.60 to 97.60): VF0

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: 19.832 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

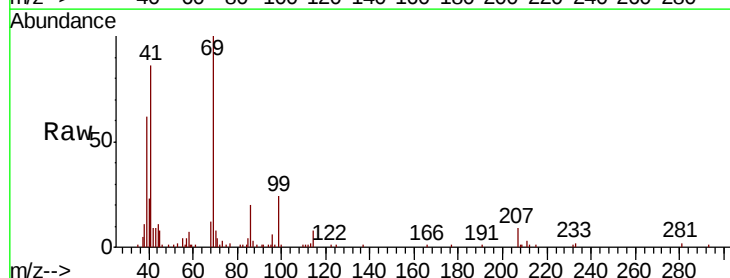
Tgt Ion: 69 Resp: 31749

Ion Ratio Lower Upper

69 100

41 83.0 66.3 99.5

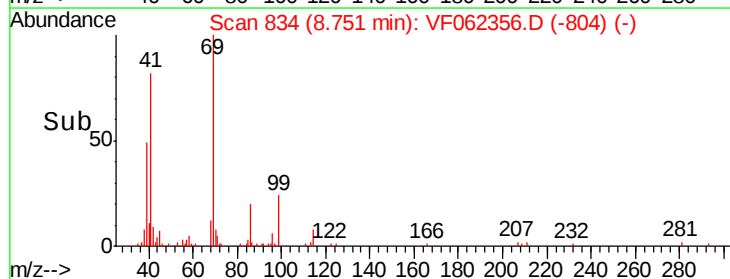
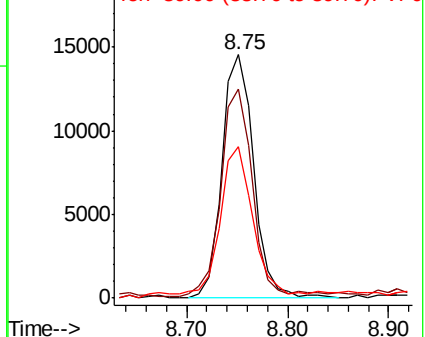
39 68.0 50.1 75.1

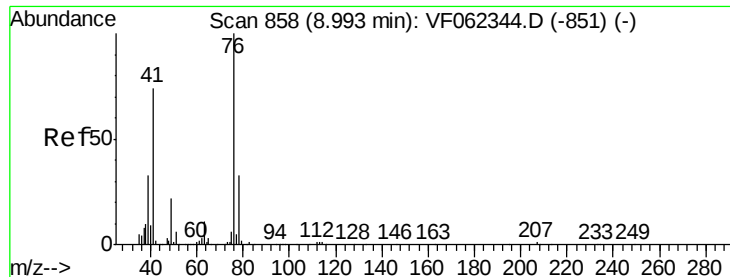


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.812 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

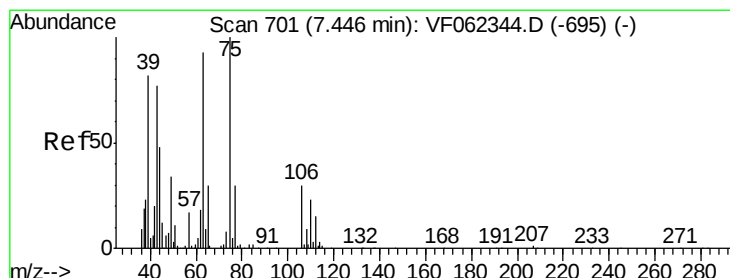
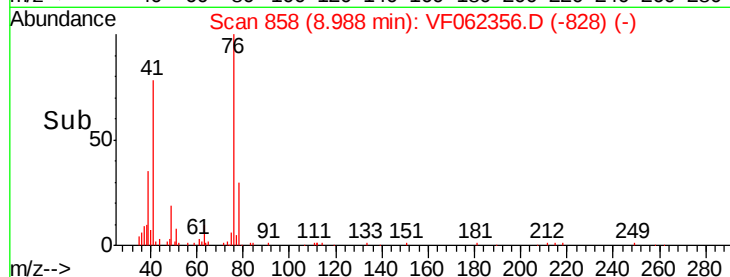
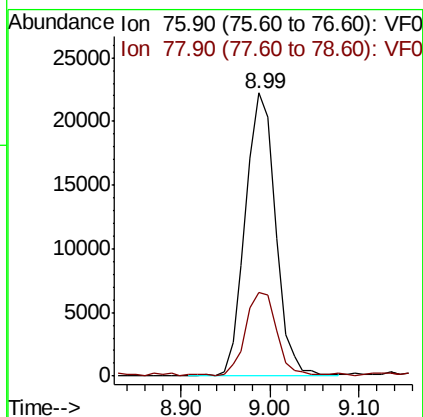
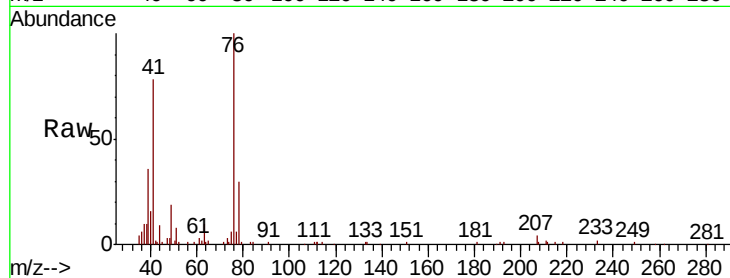
VF0507SBS01

Tgt Ion: 76 Resp: 52258

Ion Ratio Lower Upper

76 100

78 30.5 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 109.086 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062356.D

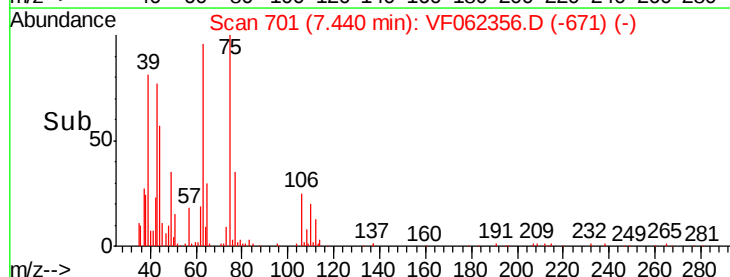
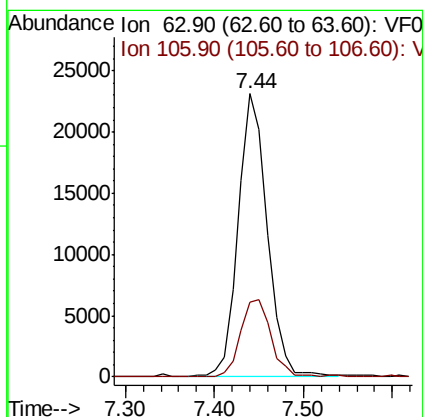
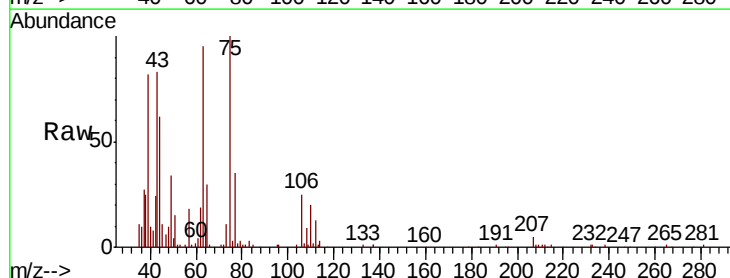
Acq: 7 May 2019 14:37

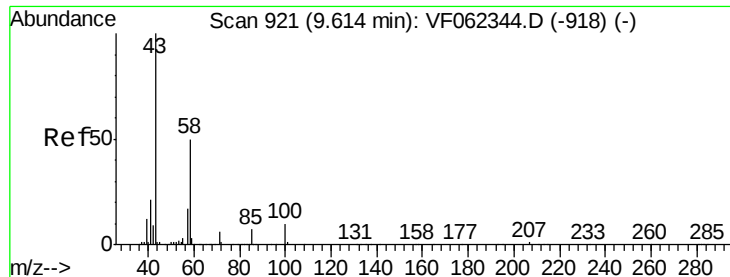
Tgt Ion: 63 Resp: 52504

Ion Ratio Lower Upper

63 100

106 28.4 25.8 38.8

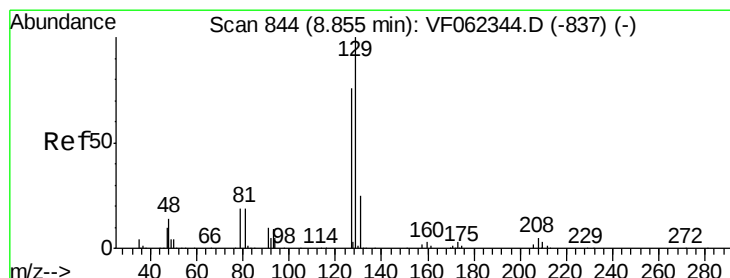
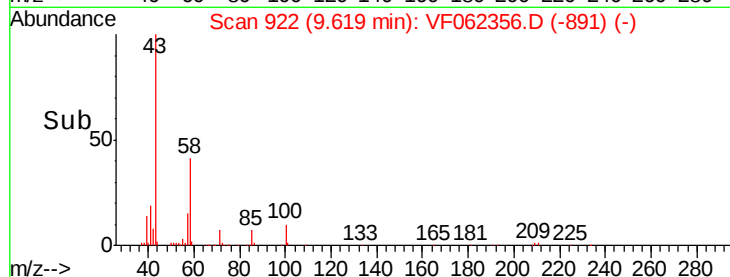
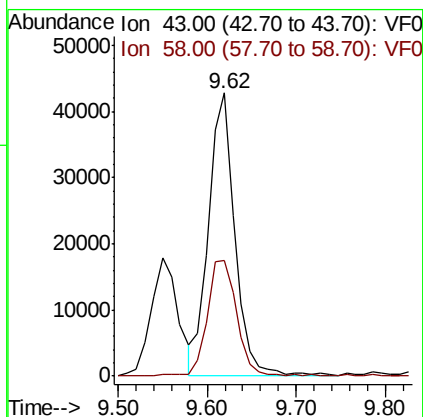
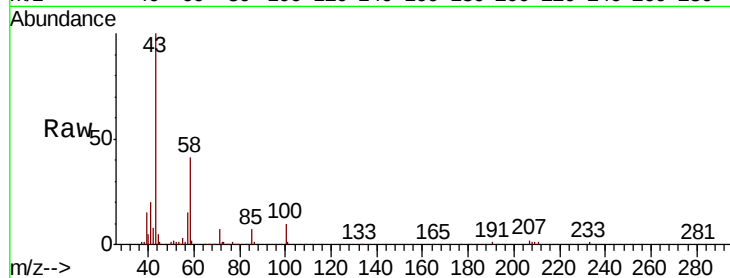




#59
2-Hexanone
Concen: 104.291 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

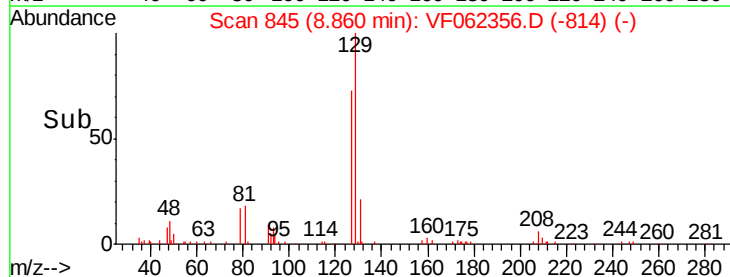
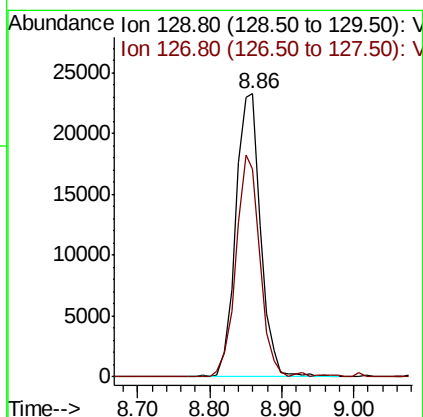
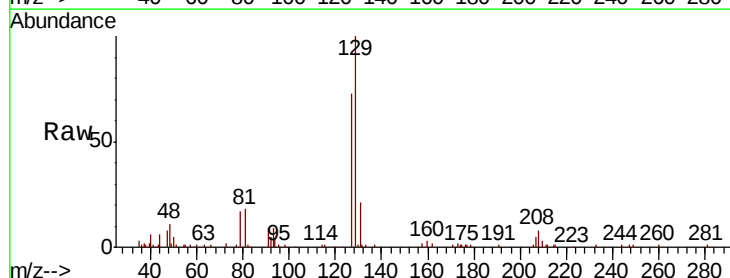
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBSD01

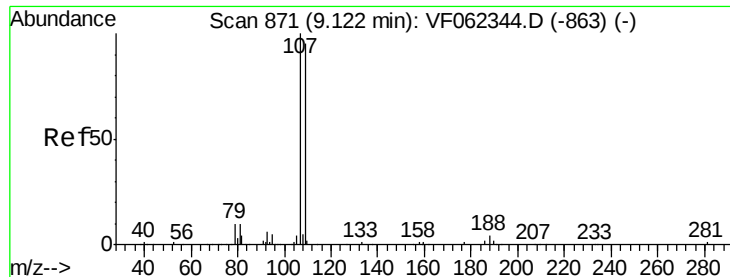
Tgt Ion: 43 Resp: 87425
Ion Ratio Lower Upper
43 100
58 46.2 24.3 73.0



#60
Dibromochloromethane
Concen: 22.576 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Tgt Ion: 129 Resp: 55997
Ion Ratio Lower Upper
129 100
127 74.6 38.5 115.3

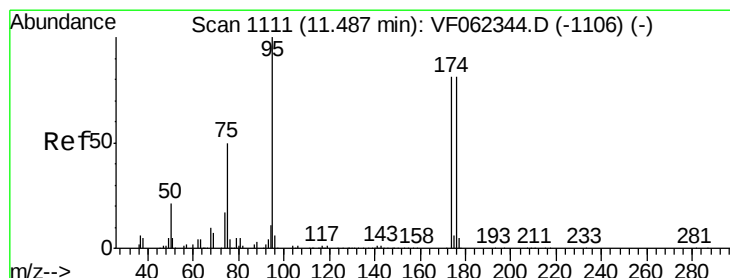
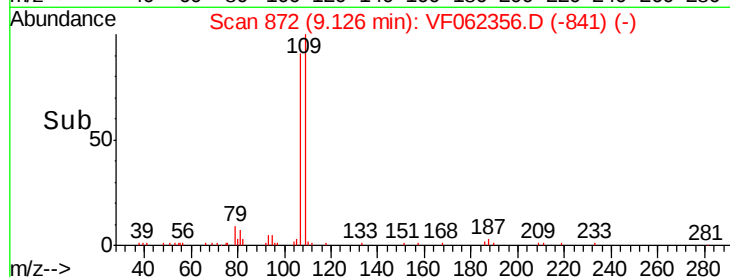
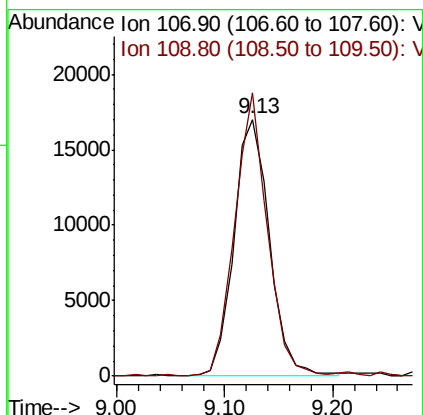
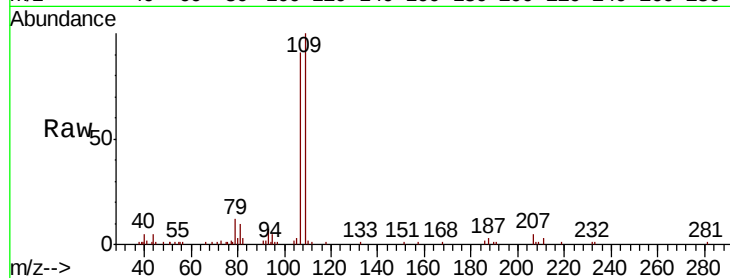




#61
 1,2-Dibromoethane
 Concen: 21.788 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. 0.00 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

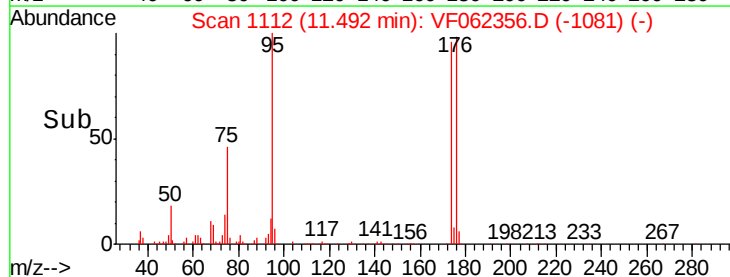
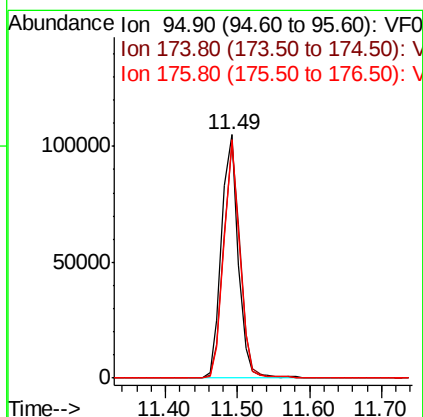
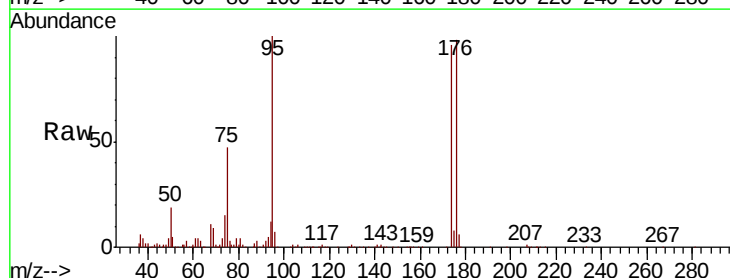
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBSD01

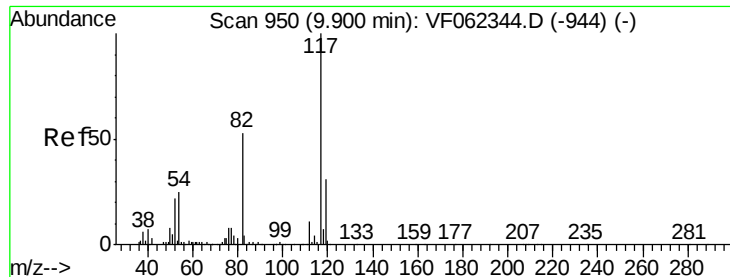
Tgt Ion: 107 Resp: 38837
 Ion Ratio Lower Upper
 107 100
 109 101.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 47.589 ug/l
 RT: 11.49 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

Tgt Ion: 95 Resp: 169507
 Ion Ratio Lower Upper
 95 100
 174 95.6 0.0 191.8
 176 93.6 0.0 193.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 951

Delta R.T. 0.00 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBSD01

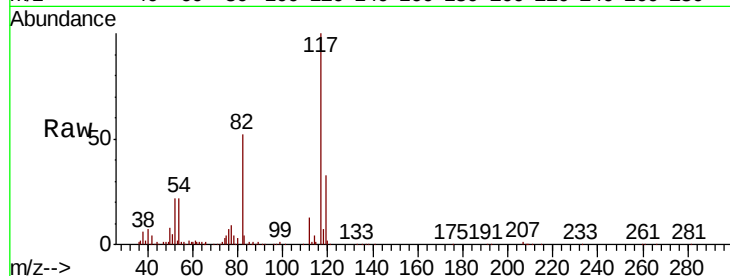
Tgt Ion:117 Resp: 331446

Ion Ratio Lower Upper

117 100

82 52.3 42.2 63.2

119 32.9 25.0 37.4

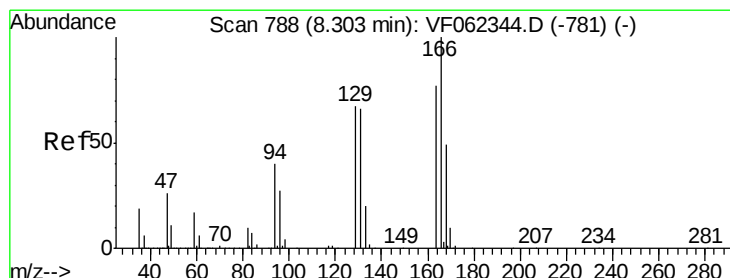
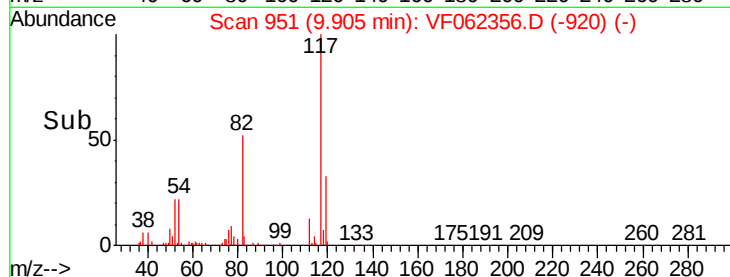
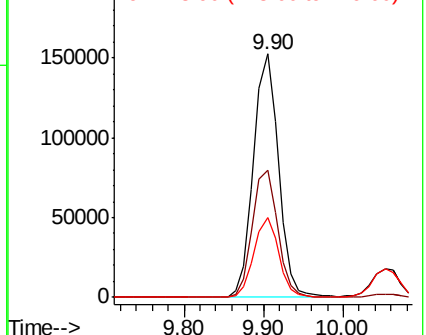


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 24.374 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Tgt Ion:164 Resp: 65584

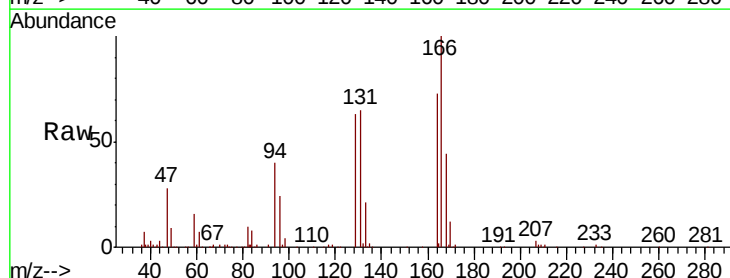
Ion Ratio Lower Upper

164 100

166 137.6 104.2 156.4

129 86.4 69.6 104.4

131 89.6 68.8 103.2



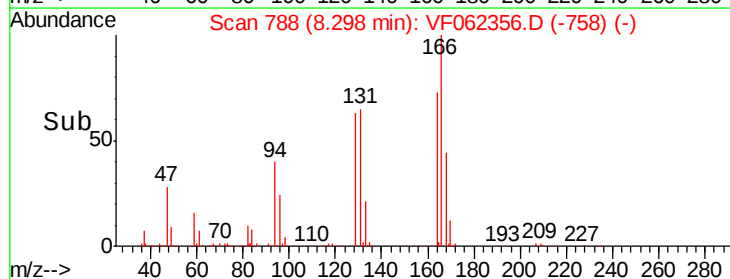
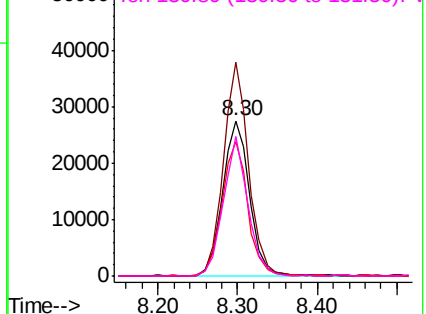
Abundance

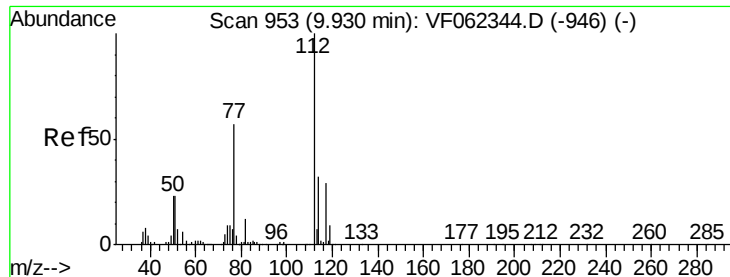
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

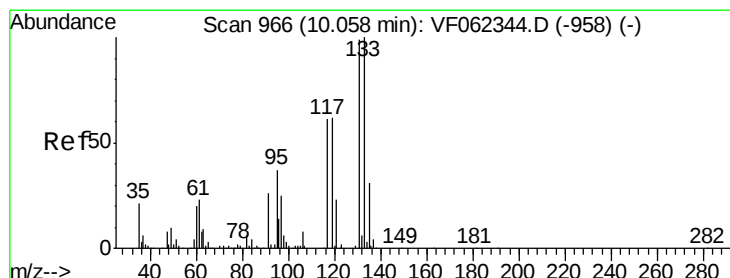
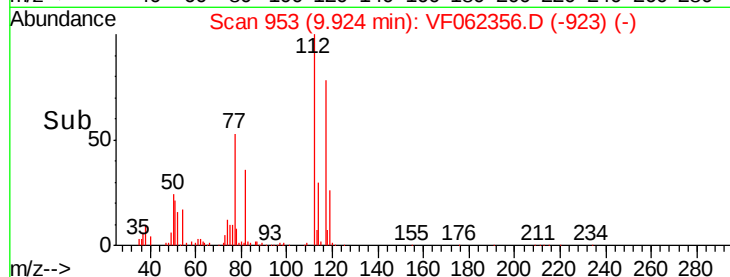
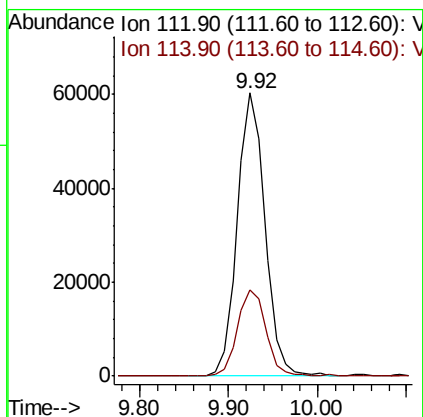
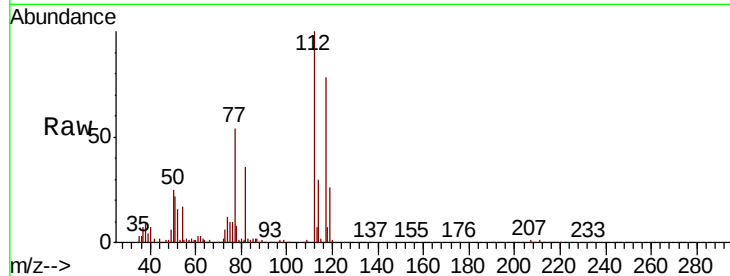




#65
Chlorobenzene
Concen: 23.889 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

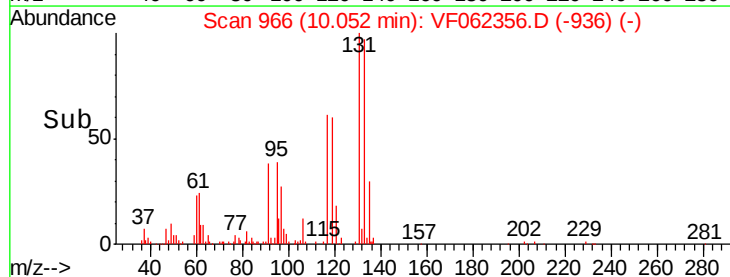
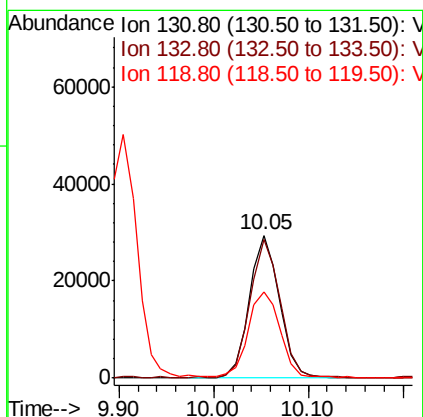
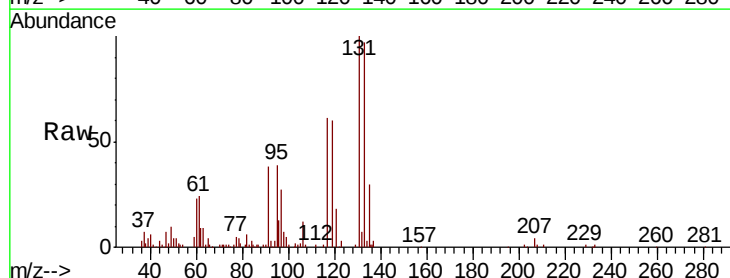
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

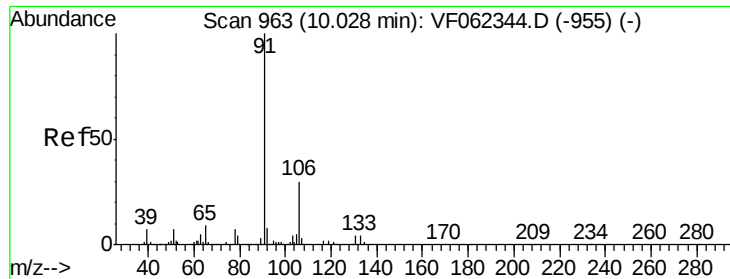
Tgt Ion:112 Resp: 131009
Ion Ratio Lower Upper
112 100
114 30.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.422 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Tgt Ion:131 Resp: 64796
Ion Ratio Lower Upper
131 100
133 99.0 50.2 150.7
119 65.8 31.6 95.0

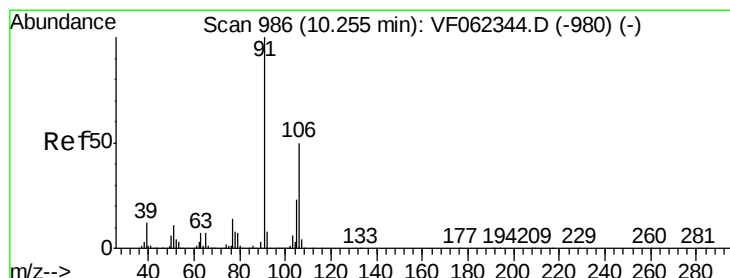
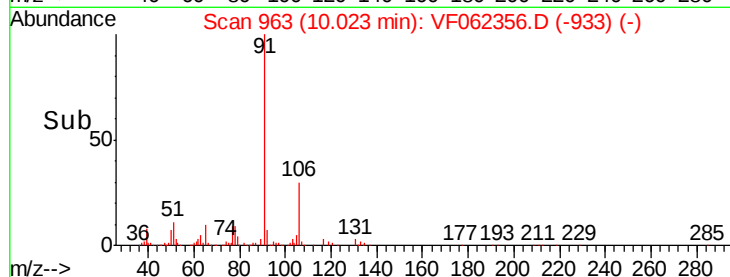
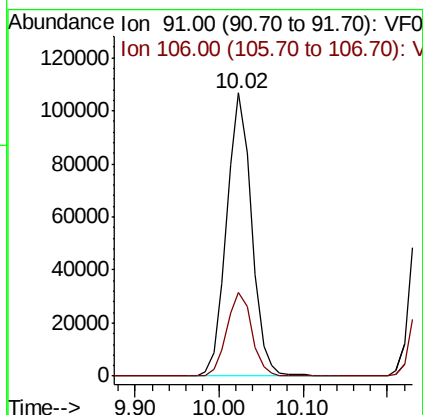
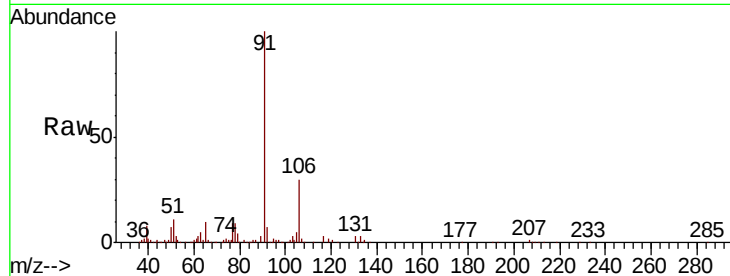




#67
Ethyl Benzene
Concen: 23.055 ug/l
RT: 10.02 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

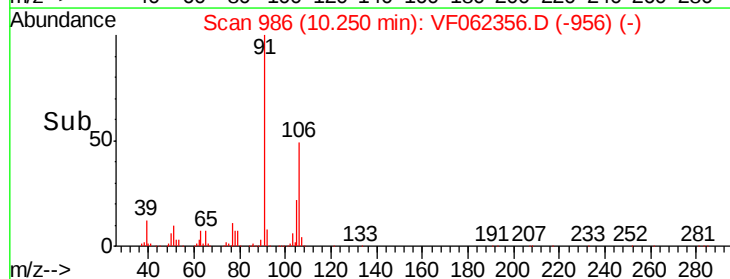
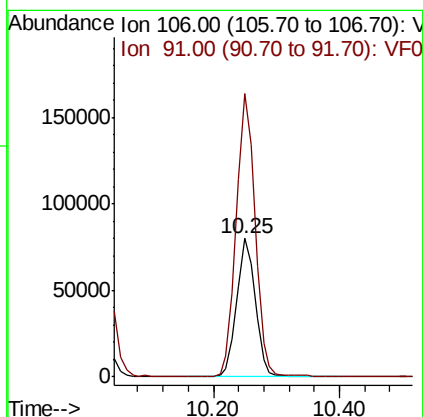
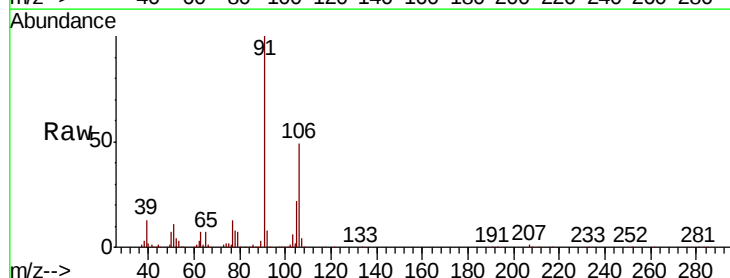
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBSD01

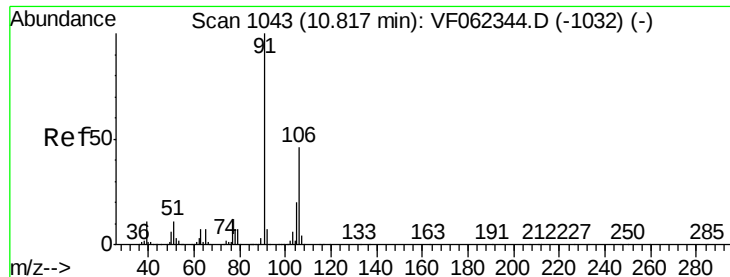
Tgt Ion: 91 Resp: 221391
Ion Ratio Lower Upper
91 100
106 29.6 24.1 36.1



#68
m/p-Xylenes
Concen: 45.836 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Tgt Ion: 106 Resp: 162403
Ion Ratio Lower Upper
106 100
91 207.2 167.4 251.2

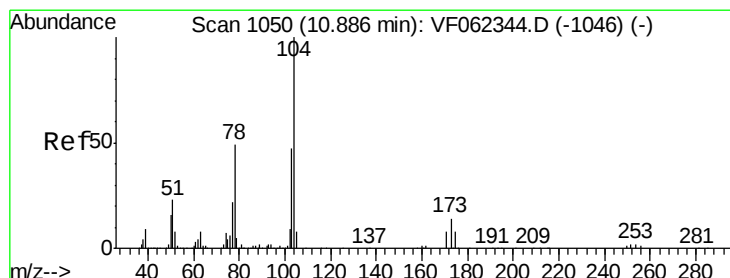
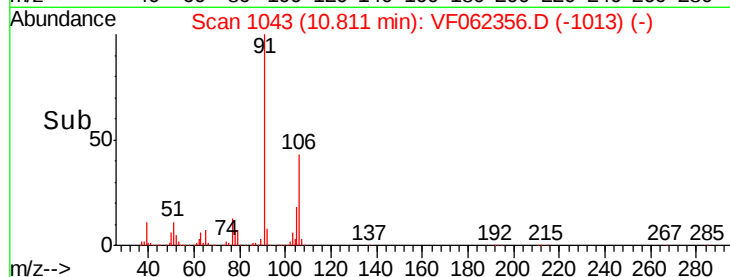
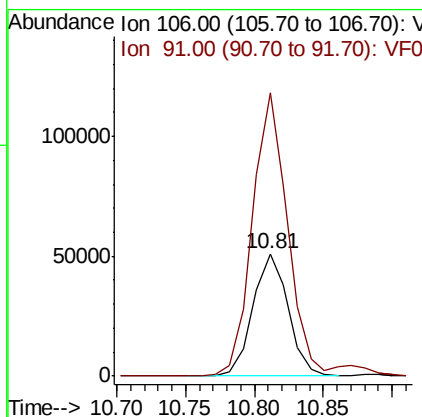
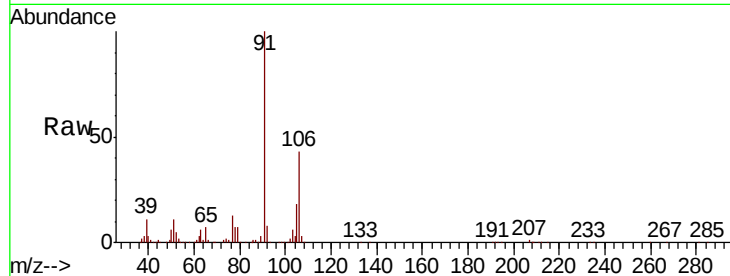




#69
o-Xylene
Concen: 23.959 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

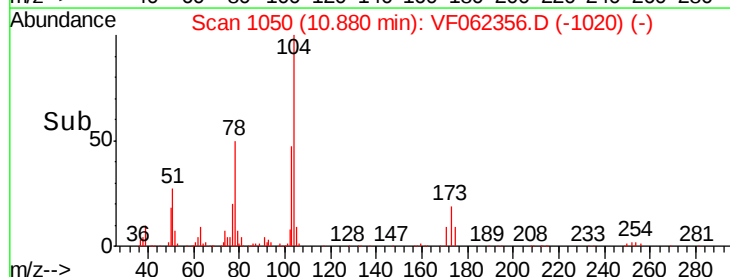
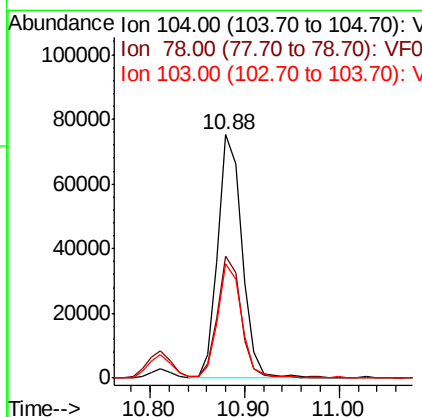
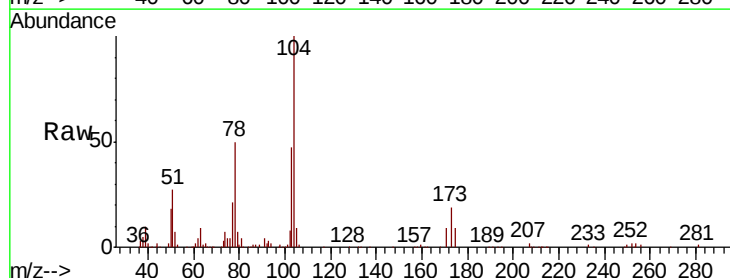
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBSD01

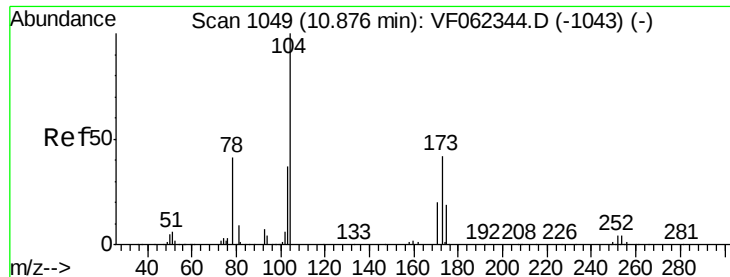
Tgt Ion:106 Resp: 91730
Ion Ratio Lower Upper
106 100
91 237.5 111.3 333.8



#70
Styrene
Concen: 23.229 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Tgt Ion:104 Resp: 133288
Ion Ratio Lower Upper
104 100
78 49.1 39.5 59.3
103 46.1 38.4 57.6





#71

Bromoform

Concen: 21.755 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBSD01

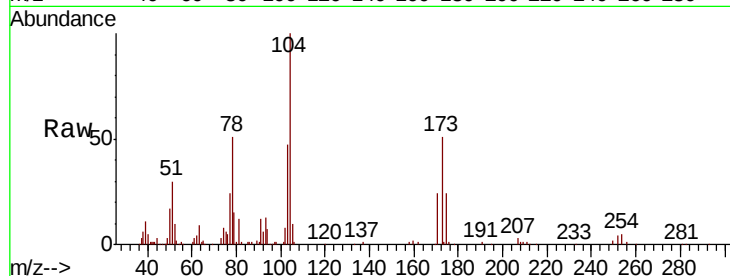
Tgt Ion:173 Resp: 32973

Ion Ratio Lower Upper

173 100

175 48.8 23.8 71.2

254 0.0 0.1 0.1#

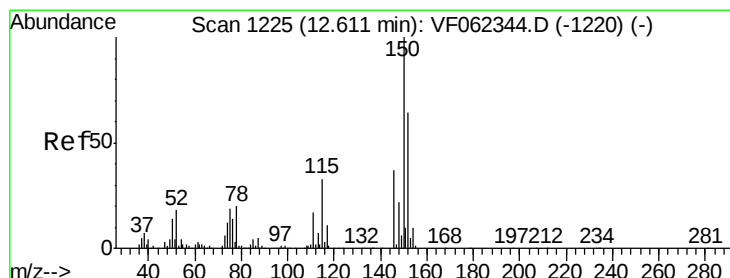
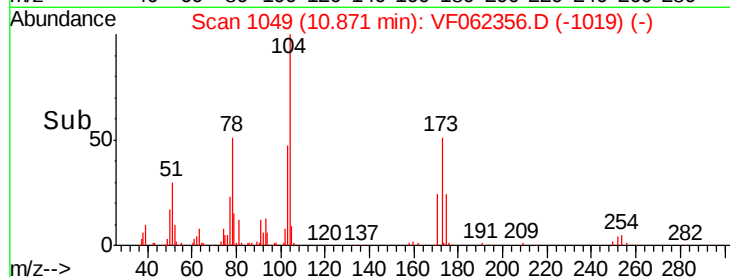
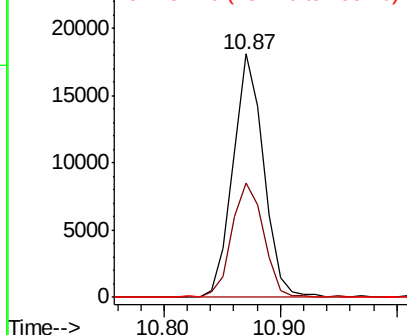


Abundance

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# 1225

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

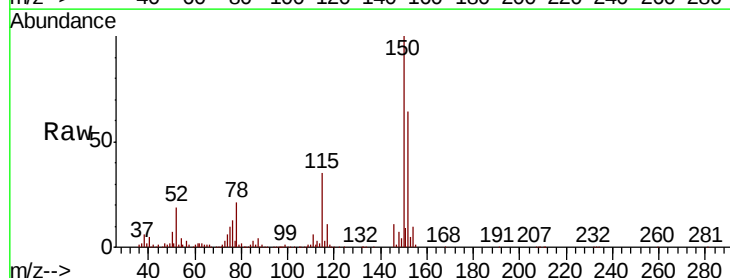
Tgt Ion:152 Resp: 194658

Ion Ratio Lower Upper

152 100

115 55.4 26.4 79.2

150 163.4 0.0 335.0

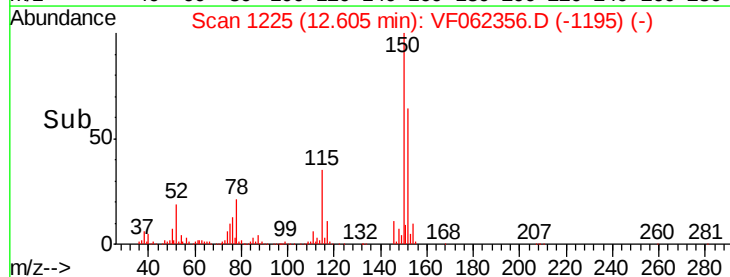
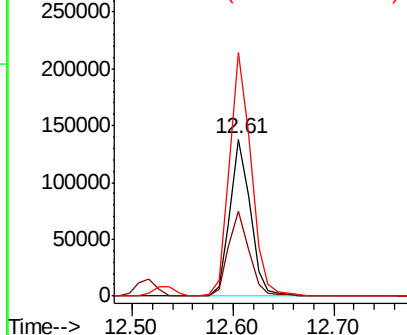


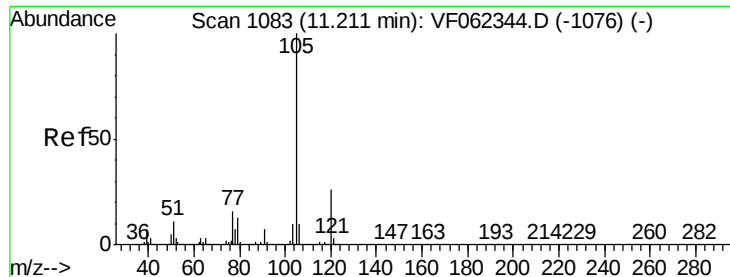
Abundance

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: 24.761 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

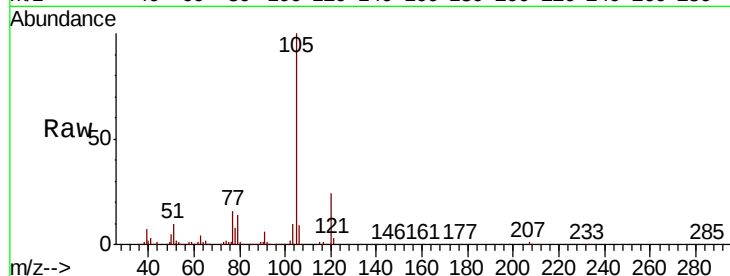
VF0507SBSD01

Tgt Ion:105 Resp: 285739

Ion Ratio Lower Upper

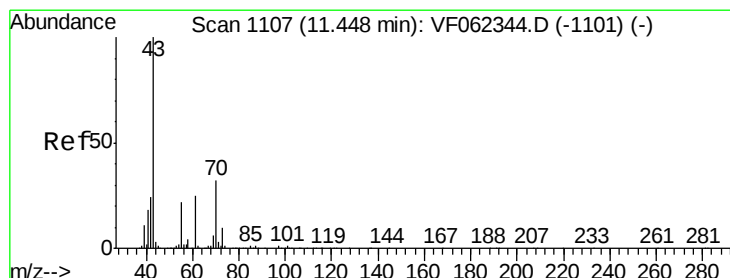
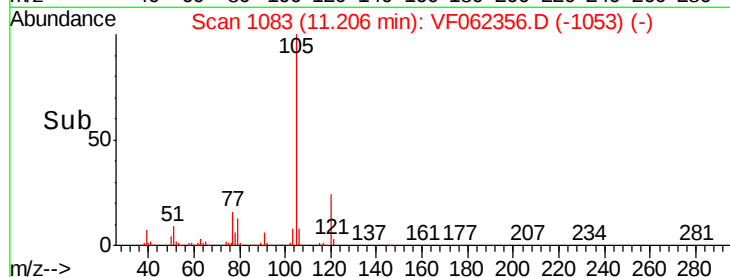
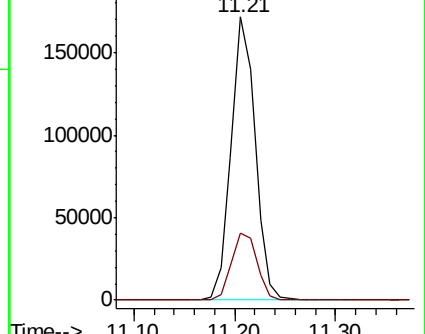
105 100

120 25.3 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: 22.128 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Tgt Ion: 43 Resp: 54821

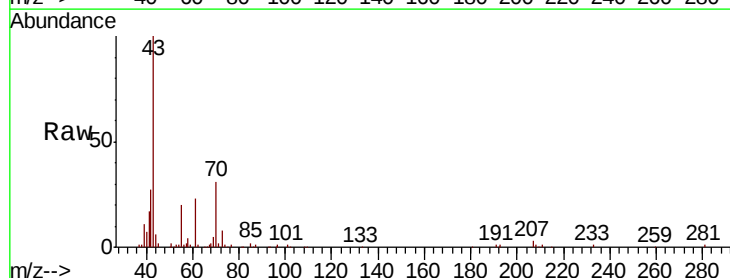
Ion Ratio Lower Upper

43 100

70 35.3 26.5 39.7

55 24.3 17.8 26.6

61 21.6 20.2 30.2

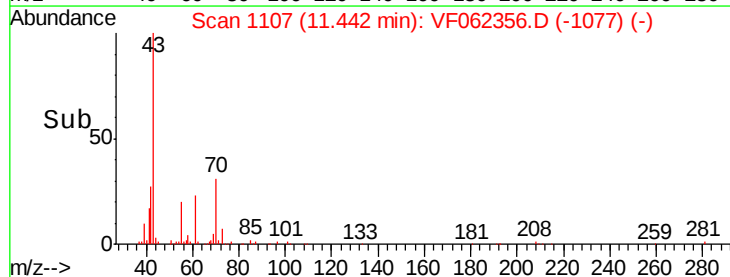
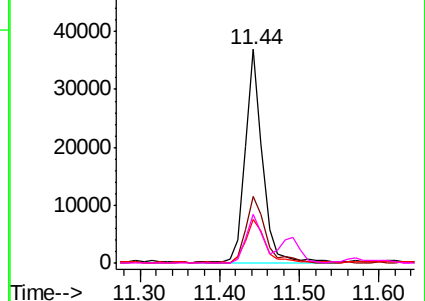


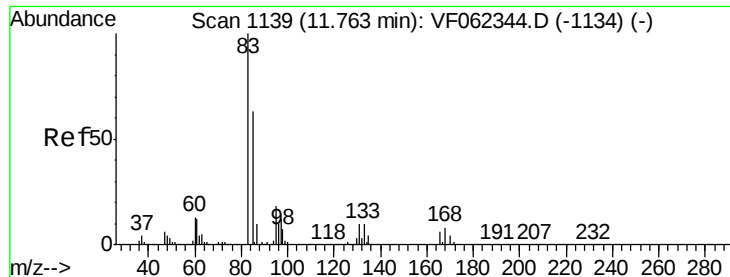
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 23.781 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

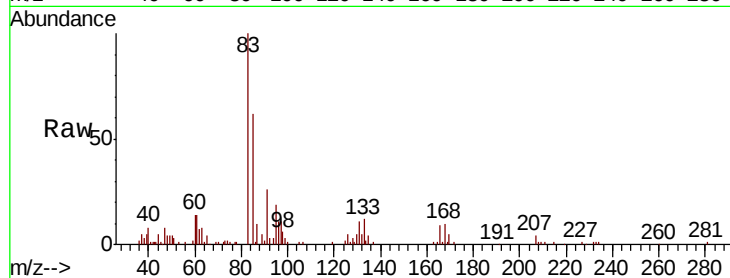
Tgt Ion: 83 Resp: 42970

Ion Ratio Lower Upper

83 100

131 11.3 5.8 17.4

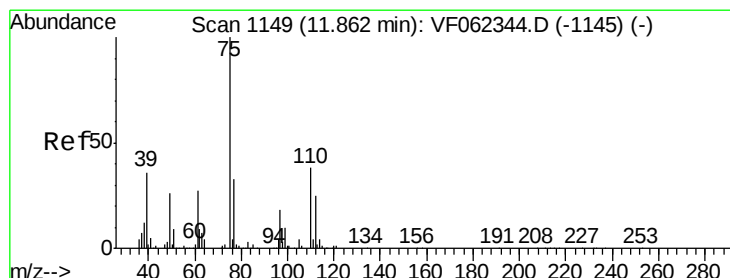
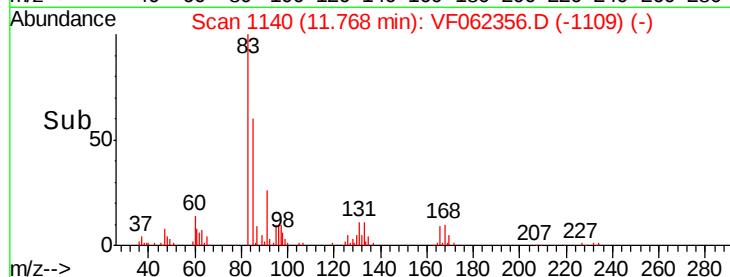
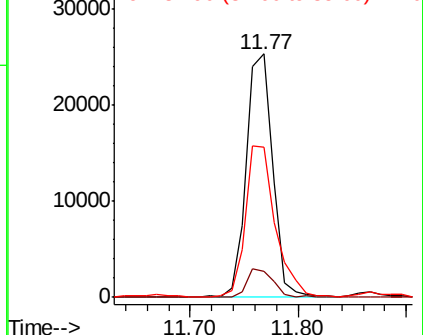
85 70.5 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 24.291 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VF062356.D

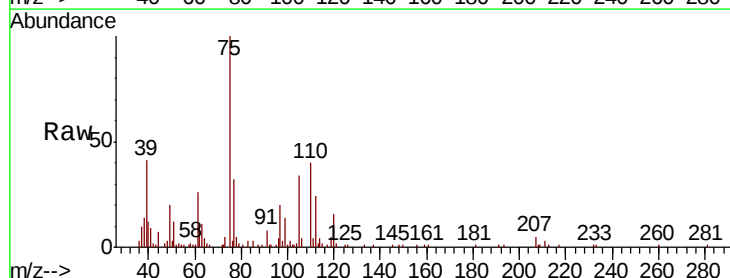
Acq: 7 May 2019 14:37

Tgt Ion: 75 Resp: 33486

Ion Ratio Lower Upper

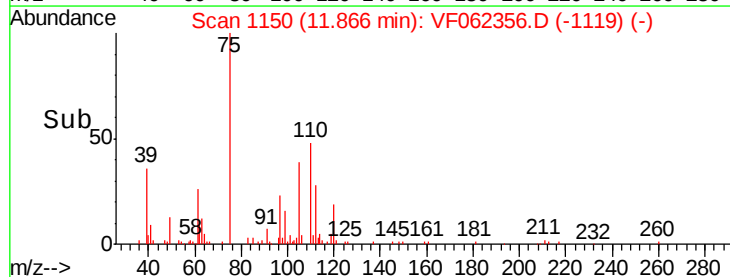
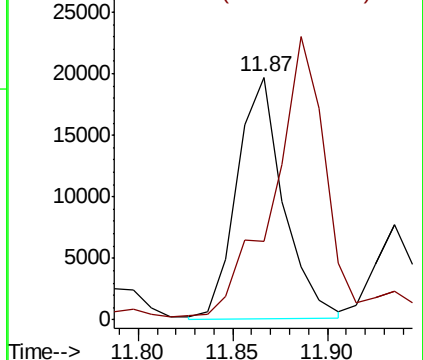
75 100

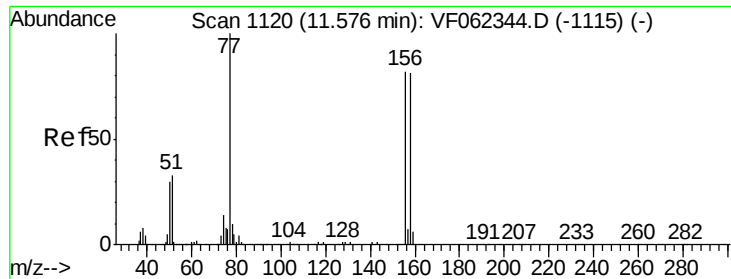
77 142.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 24.115 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

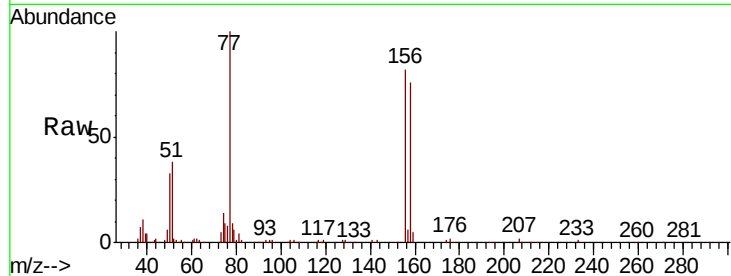
Tgt Ion: 156 Resp: 73037

Ion Ratio Lower Upper

156 100

77 123.7 64.8 194.3

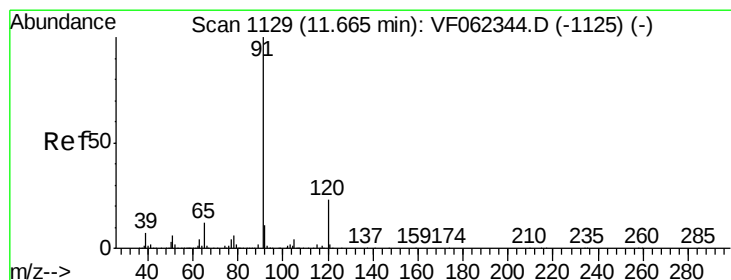
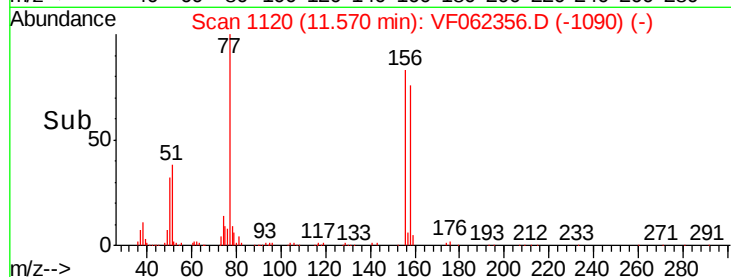
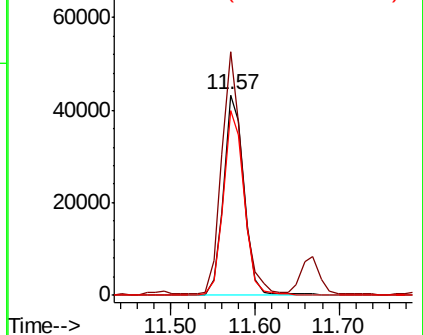
158 93.9 49.1 147.3



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: 24.102 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF062356.D

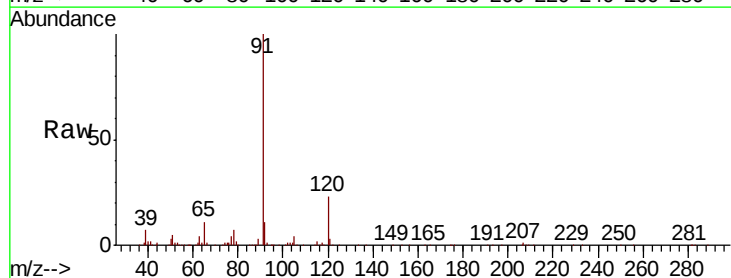
Acq: 7 May 2019 14:37

Tgt Ion: 91 Resp: 296120

Ion Ratio Lower Upper

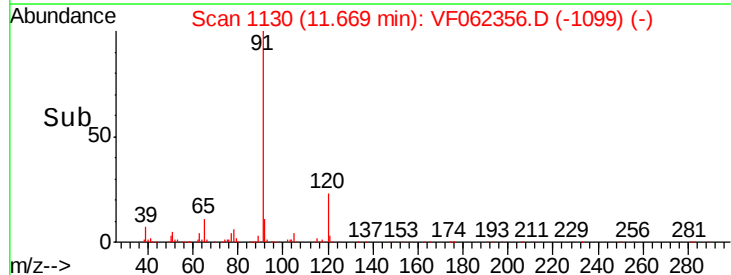
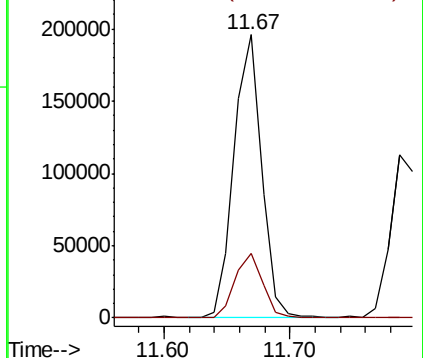
91 100

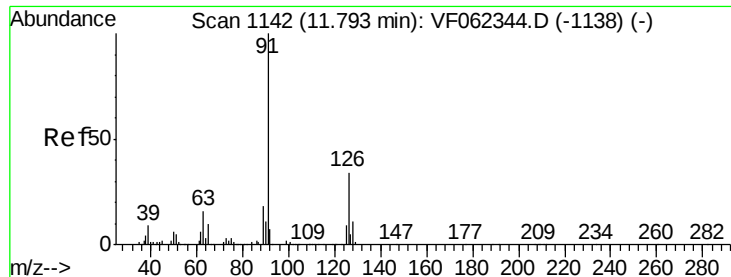
120 22.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.140 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

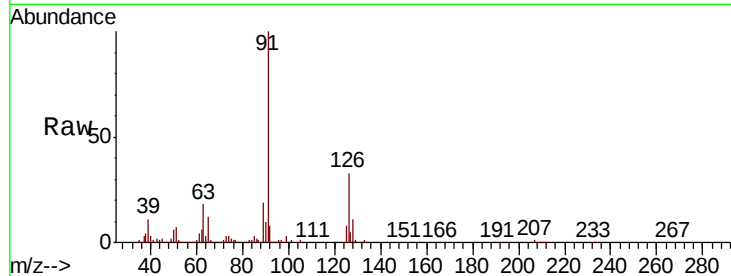
VF0507SBSD01

Tgt Ion: 91 Resp: 184421

Ion Ratio Lower Upper

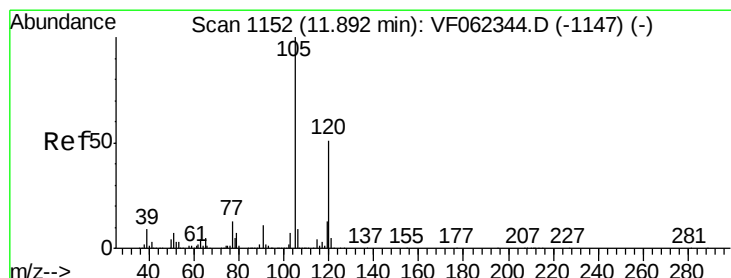
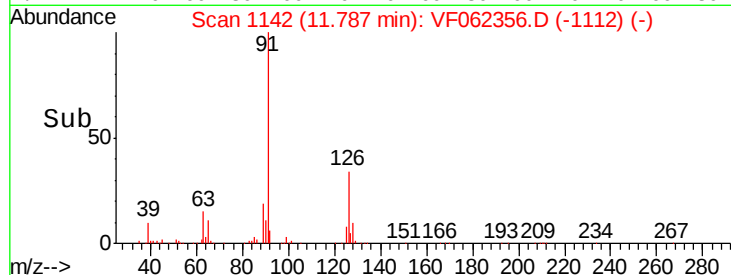
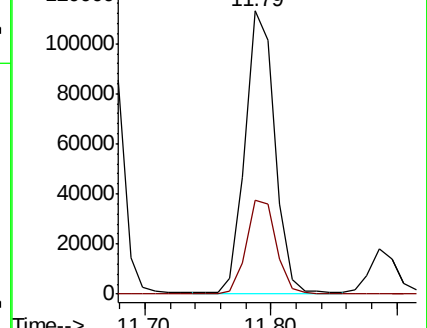
91 100

126 33.6 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 25.128 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062356.D

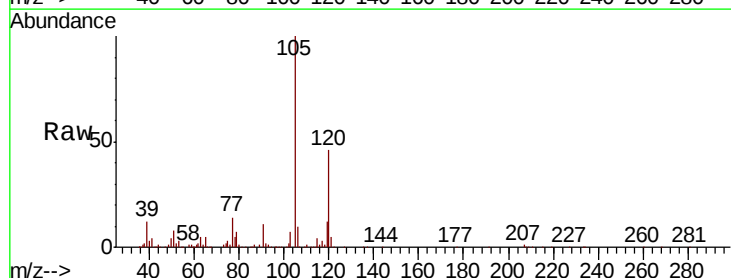
Acq: 7 May 2019 14:37

Tgt Ion: 105 Resp: 254164

Ion Ratio Lower Upper

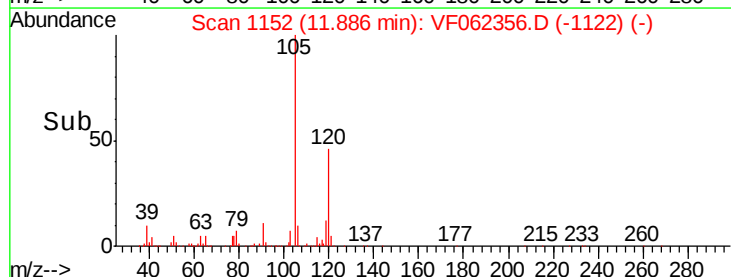
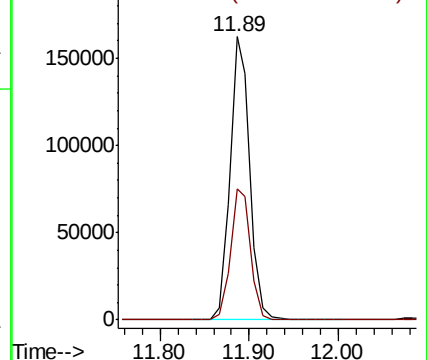
105 100

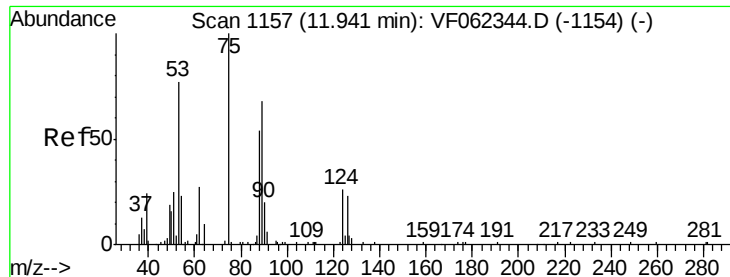
120 47.1 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 31.399 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

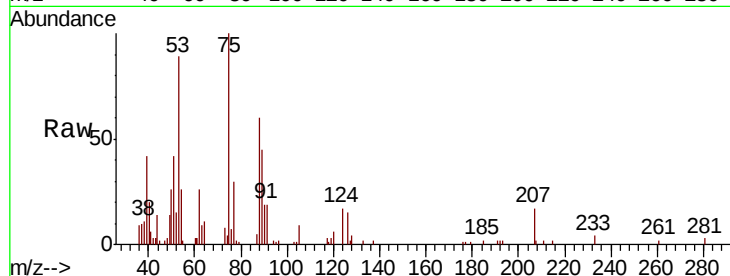
Tgt Ion: 75 Resp: 16270

Ion Ratio Lower Upper

75 100

53 61.2 71.9 107.9#

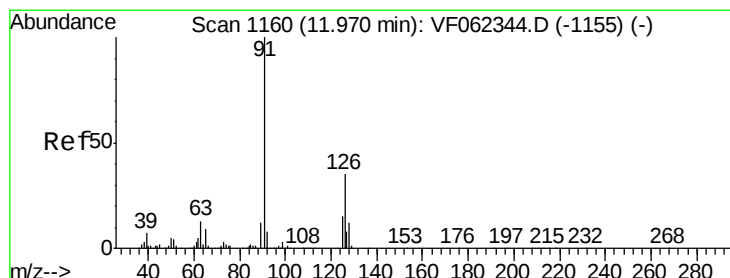
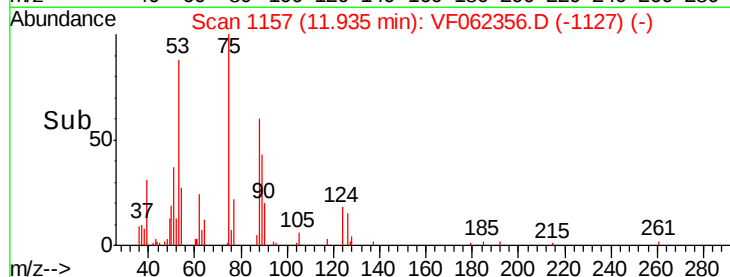
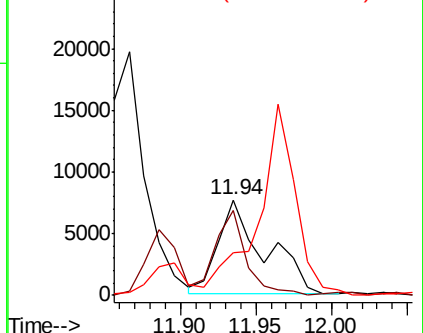
89 0.0 0.0 0.0



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: 23.390 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062356.D

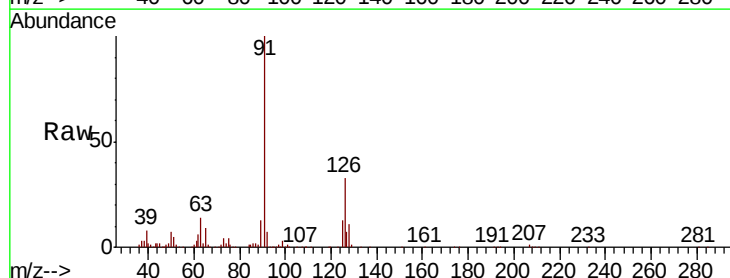
Acq: 7 May 2019 14:37

Tgt Ion: 91 Resp: 176490

Ion Ratio Lower Upper

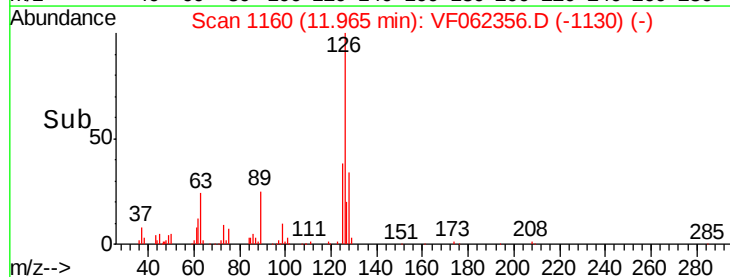
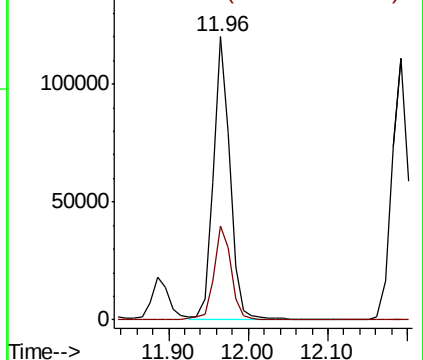
91 100

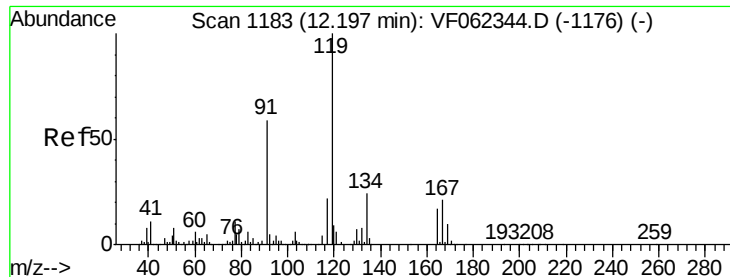
126 35.2 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 25.094 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBSD01

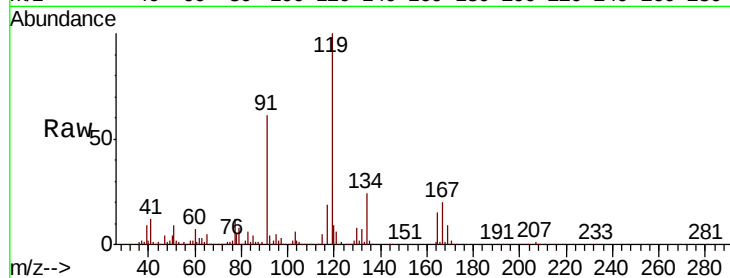
Tgt Ion:119 Resp: 266749

Ion Ratio Lower Upper

119 100

91 60.8 30.4 91.3

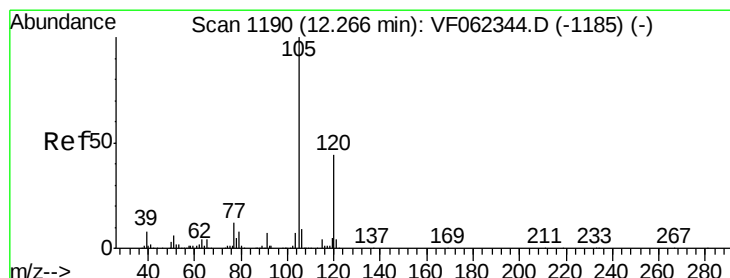
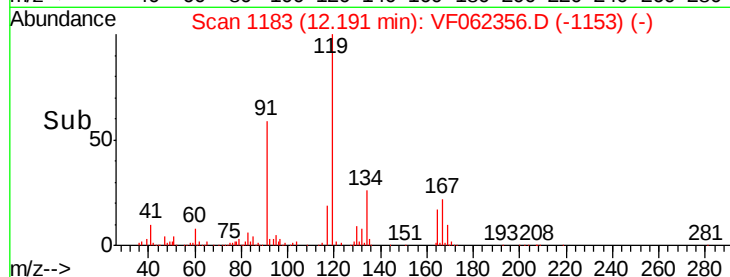
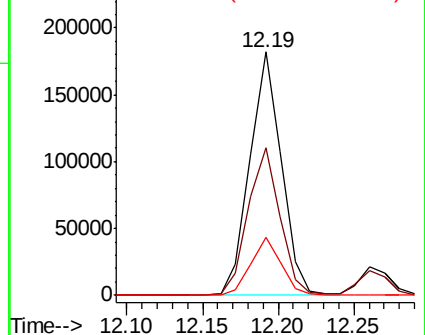
134 22.9 11.9 35.7



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: 24.664 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062356.D

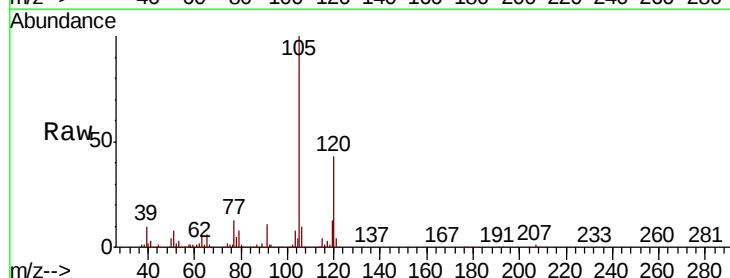
Acq: 7 May 2019 14:37

Tgt Ion:105 Resp: 244138

Ion Ratio Lower Upper

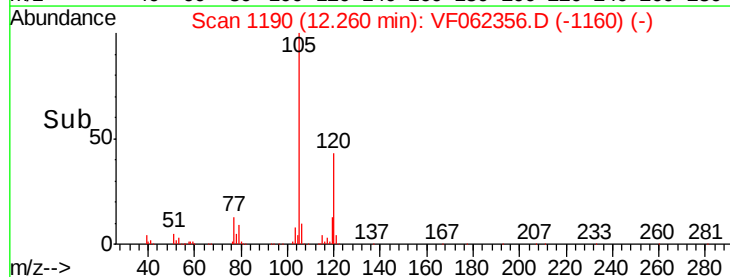
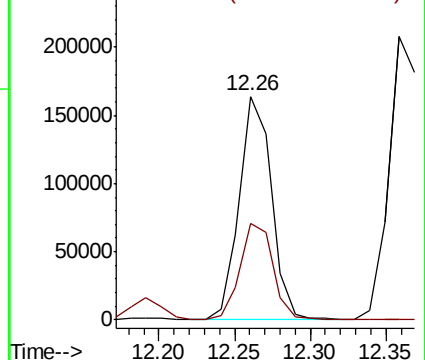
105 100

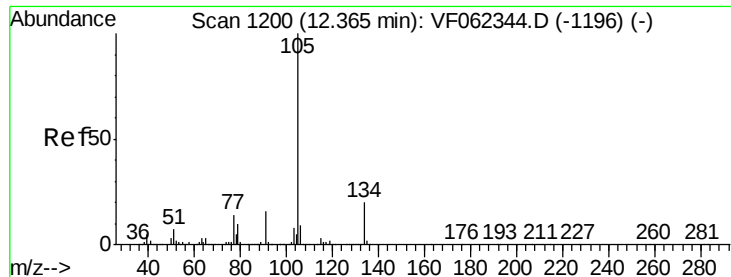
120 44.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

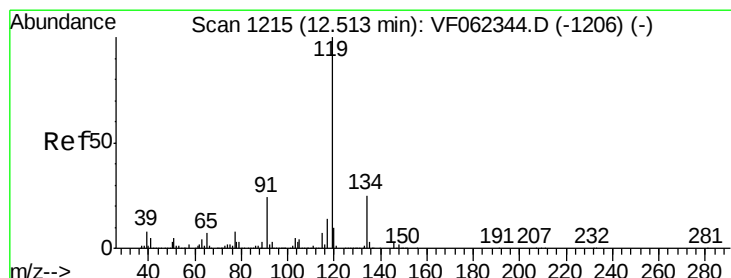
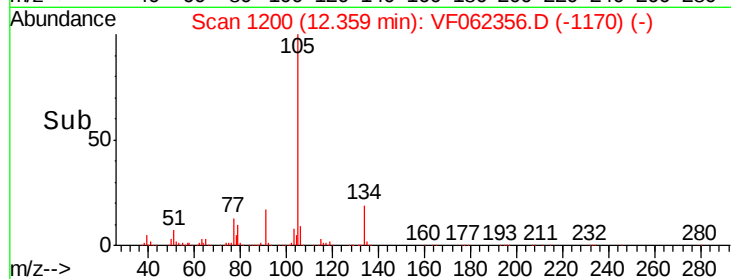
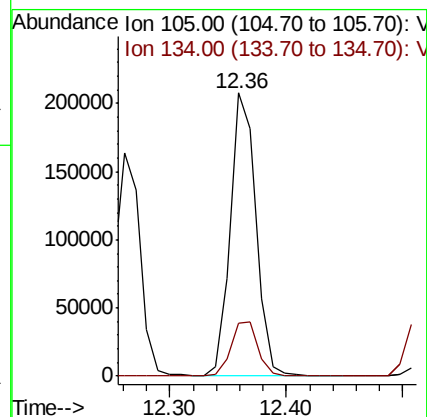
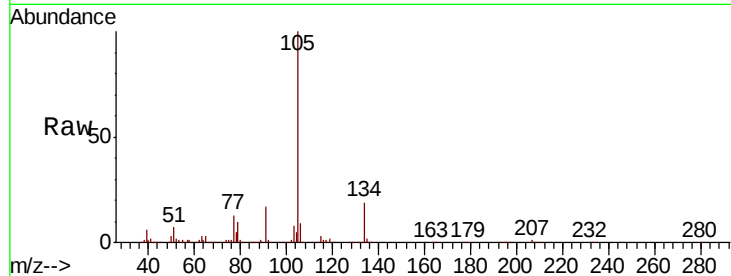




#85
 sec-Butylbenzene
 Concen: 24.503 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

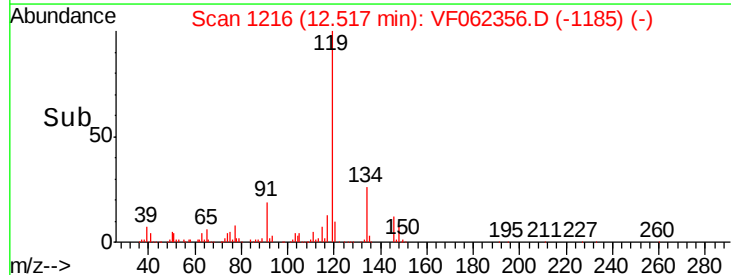
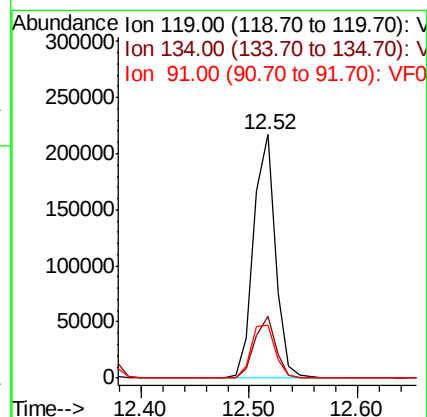
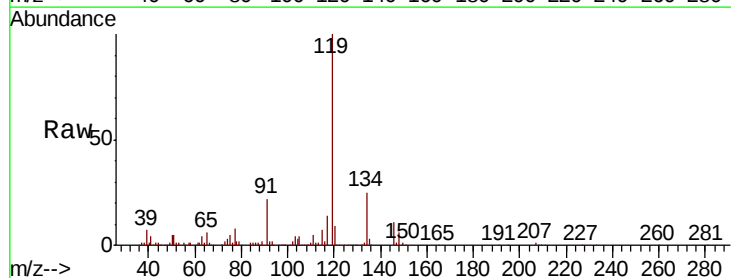
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBSD01

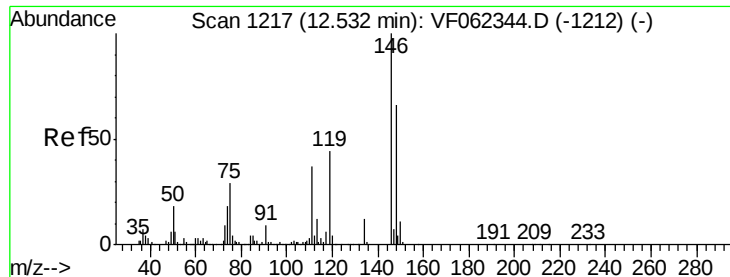
Tgt Ion:105 Resp: 317036
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 25.262 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

Tgt Ion:119 Resp: 303681
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.9 38.7
 91 23.8 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 24.843 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBSD01

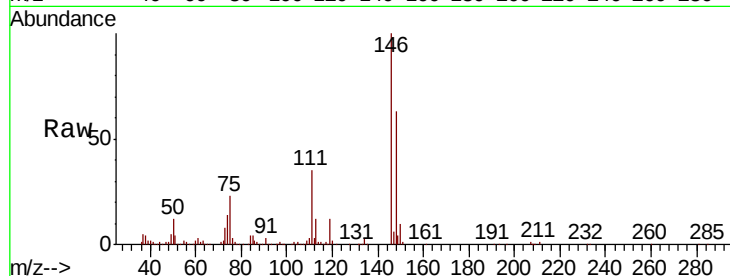
Tgt Ion:146 Resp: 137418

Ion Ratio Lower Upper

146 100

111 37.3 18.3 54.8

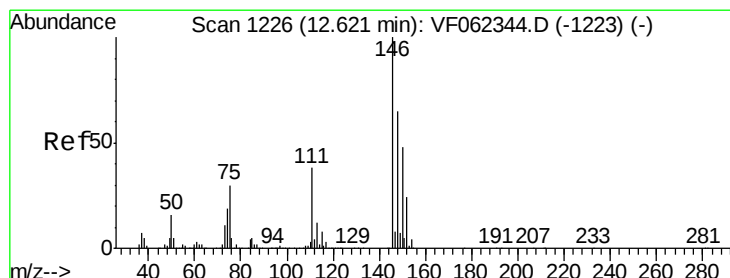
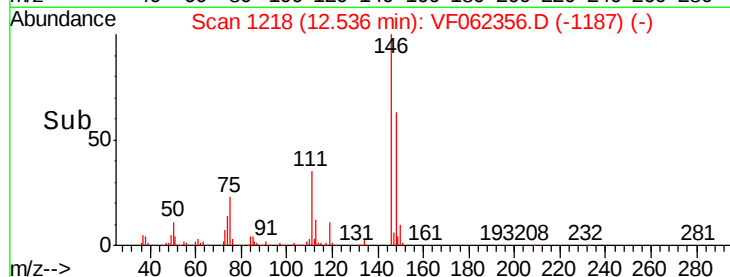
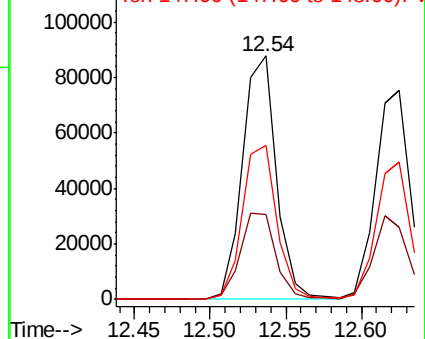
148 64.8 32.3 96.9



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



#88

1,4-Dichlorobenzene

Concen: 22.998 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

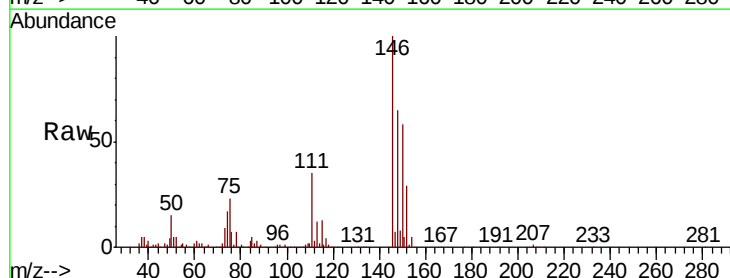
Tgt Ion:146 Resp: 122776

Ion Ratio Lower Upper

146 100

111 39.7 18.8 56.3

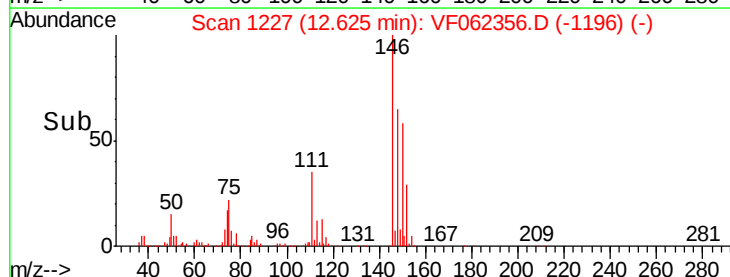
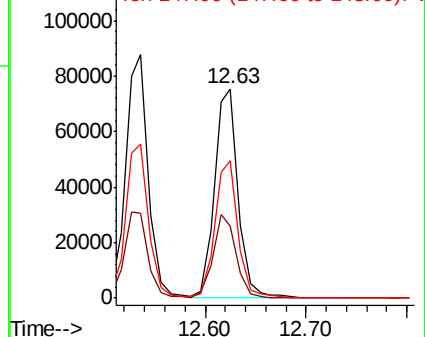
148 64.8 32.2 96.6

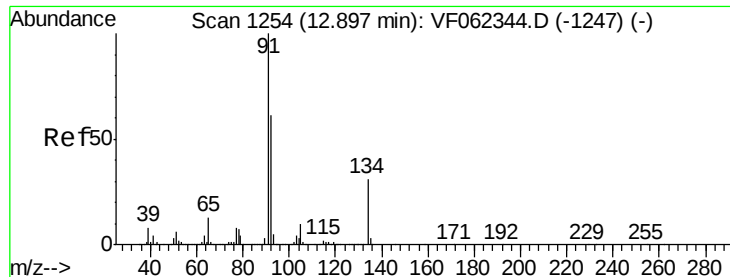


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 24.426 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

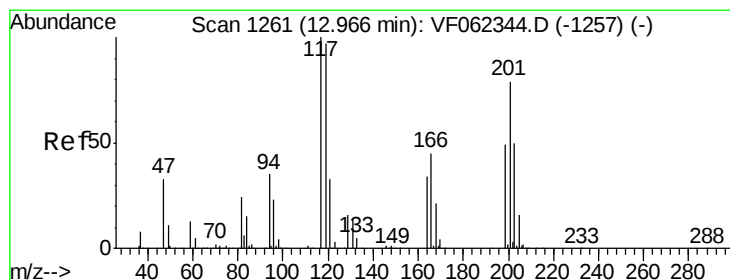
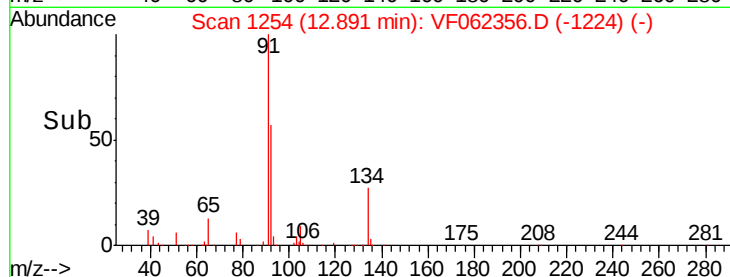
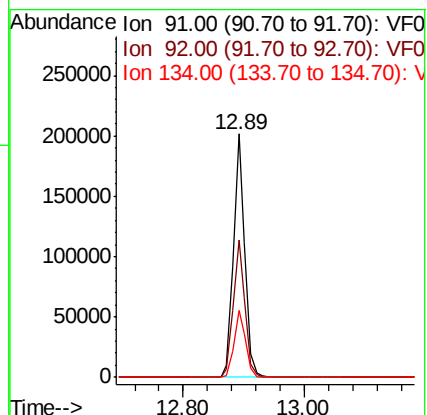
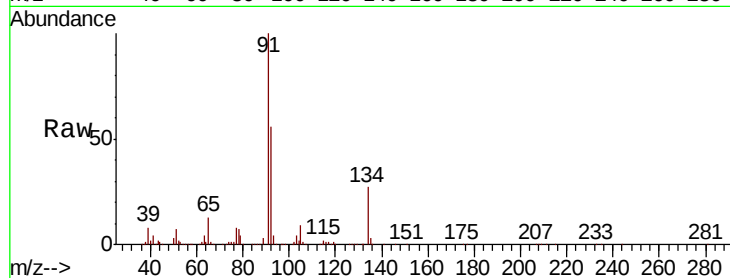
Tgt Ion: 91 Resp: 261243

Ion Ratio Lower Upper

91 100

92 58.2 30.0 90.0

134 28.1 14.1 42.4



#90

Hexachloroethane

Concen: 24.192 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VF062356.D

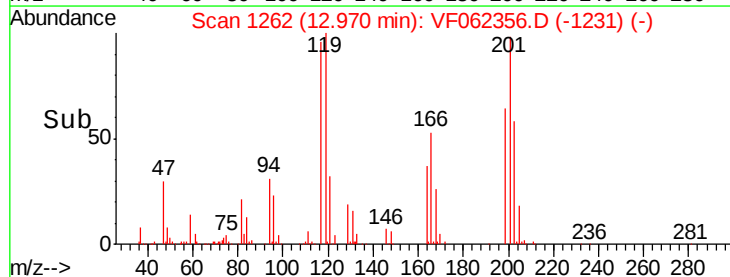
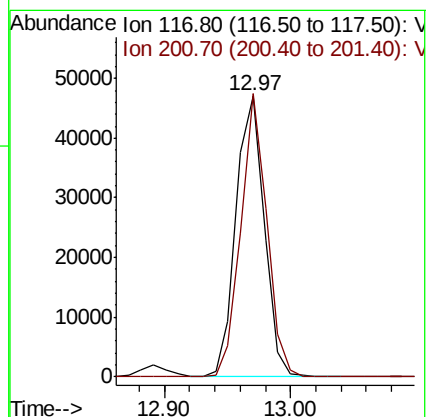
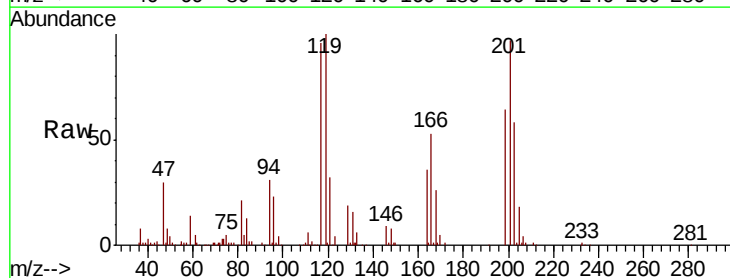
Acq: 7 May 2019 14:37

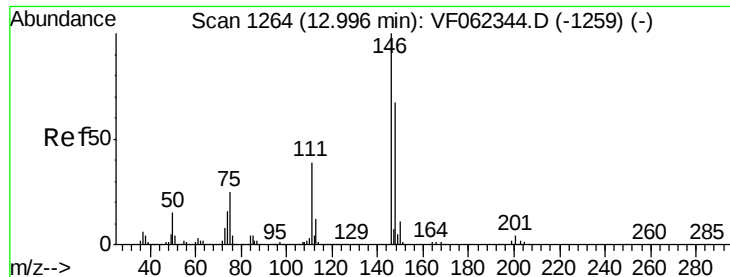
Tgt Ion: 117 Resp: 72614

Ion Ratio Lower Upper

117 100

201 92.5 46.2 138.5





#91

1,2-Dichlorobenzene

Concen: 25.260 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

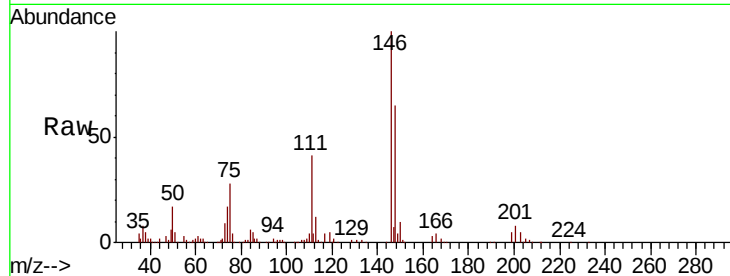
Tgt Ion:146 Resp: 135240

Ion Ratio Lower Upper

146 100

111 38.6 20.0 60.0

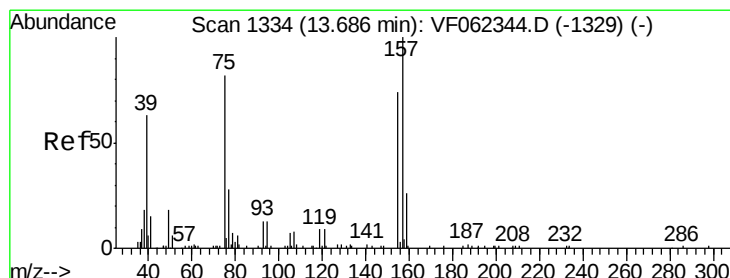
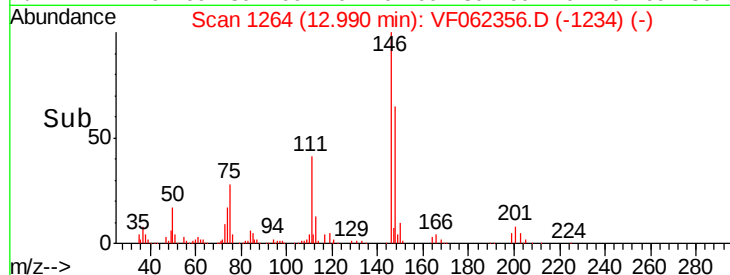
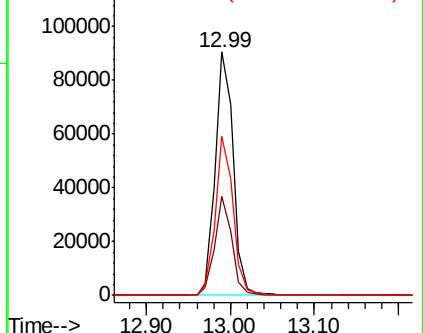
148 64.0 33.1 99.5



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: 23.221 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062356.D

Acq: 7 May 2019 14:37

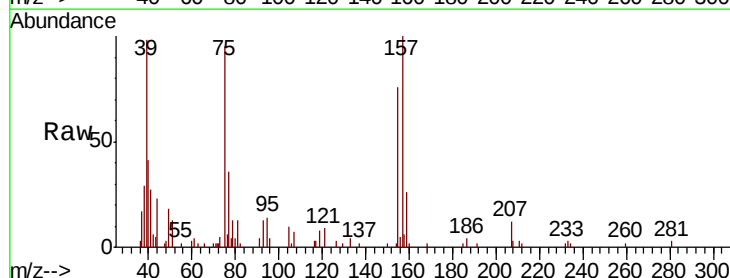
Tgt Ion: 75 Resp: 9400

Ion Ratio Lower Upper

75 100

155 101.6 51.8 155.4

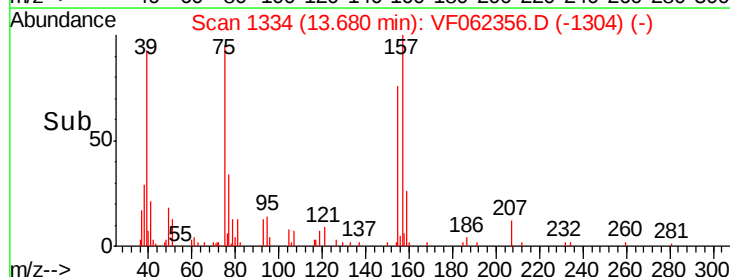
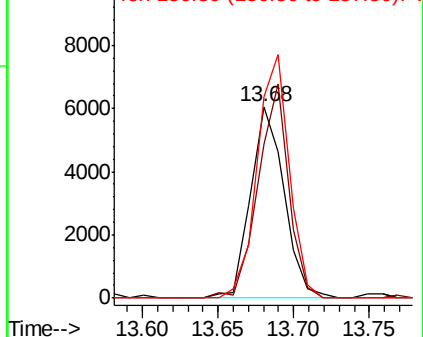
157 121.7 67.3 201.8

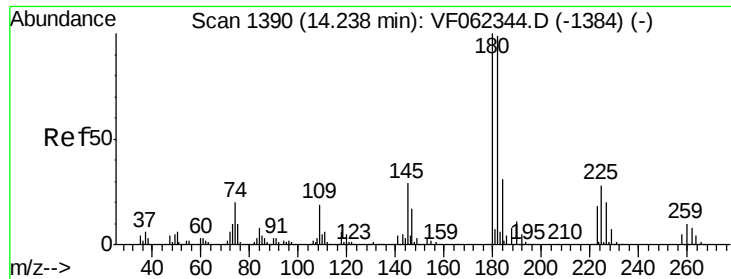


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

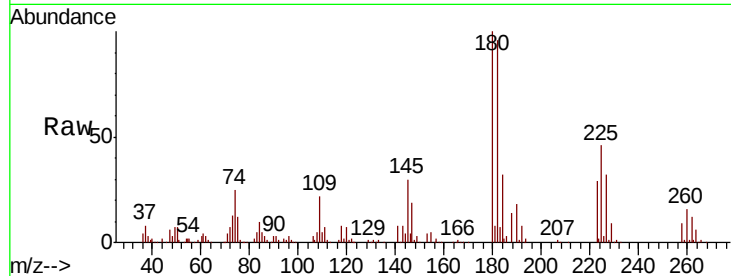




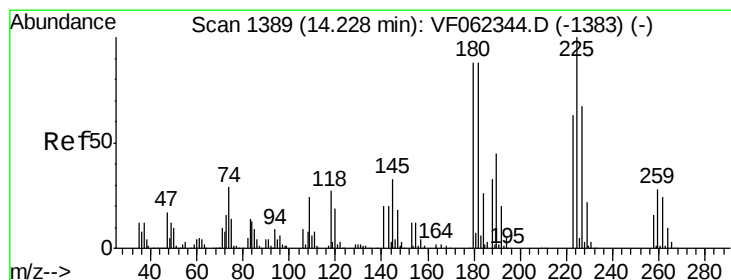
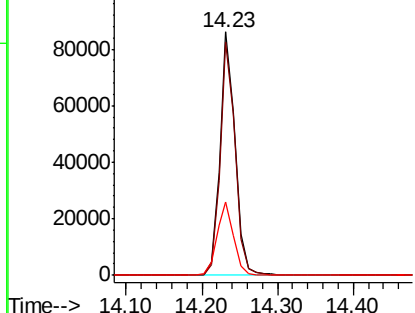
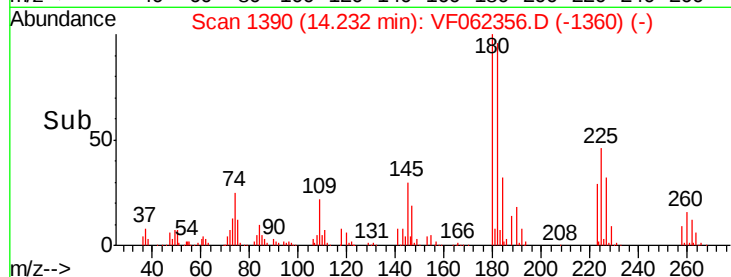
#93
 1,2,4-Trichlorobenzene
 Concen: 25.397 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBSD01

Tgt Ion:180 Resp: 121963
 Ion Ratio Lower Upper
 180 100
 182 94.6 49.0 147.0
 145 32.9 16.7 50.1

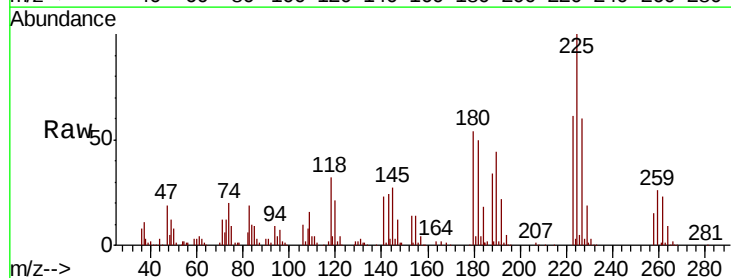


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

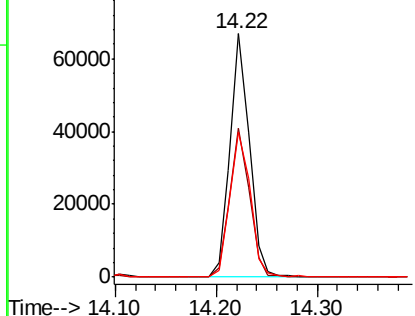
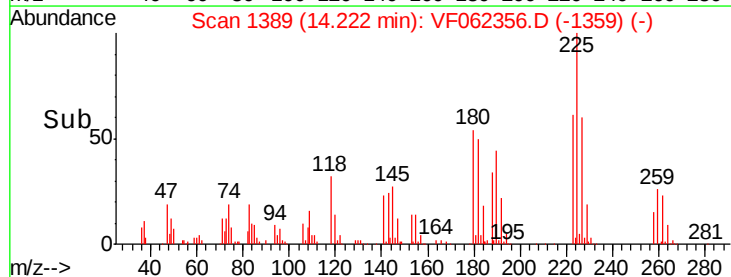


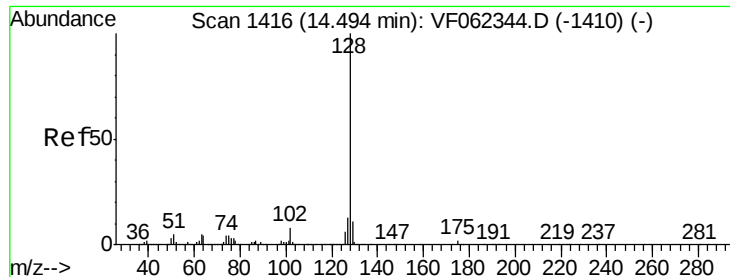
#94
 Hexachlorobutadiene
 Concen: 25.085 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062356.D
 Acq: 7 May 2019 14:37

Tgt Ion:225 Resp: 89785
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.9 95.5
 227 62.4 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

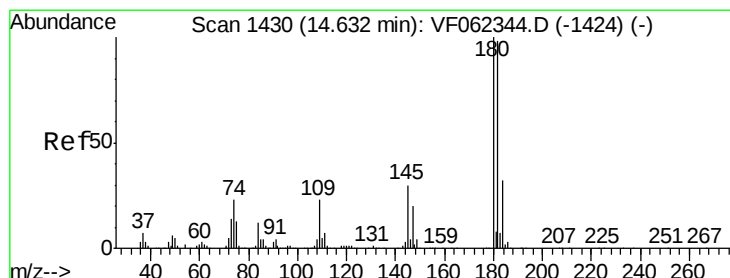
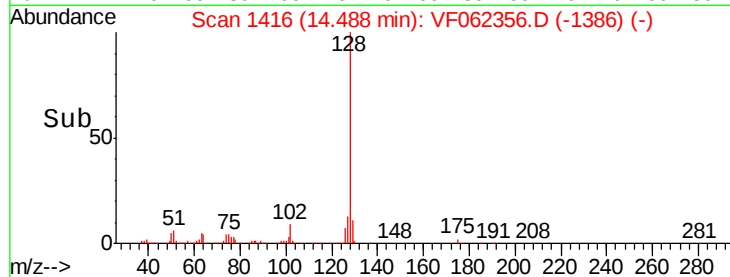
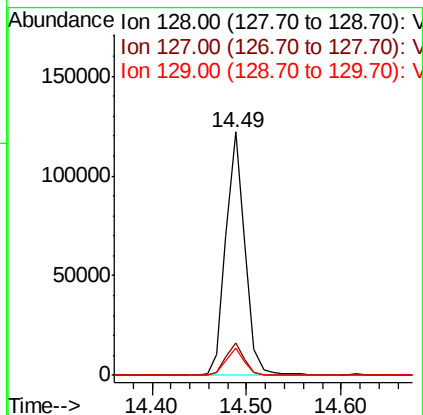
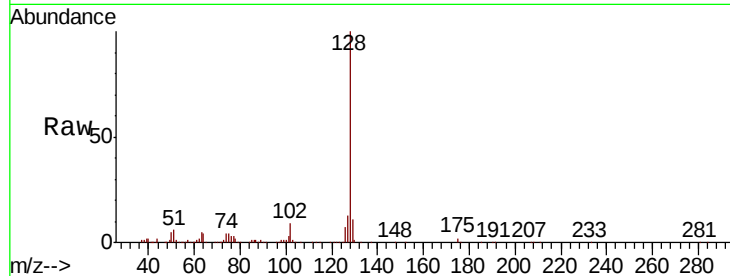




#95
Naphthalene
Concen: 23.642 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tgt Ion:128 Resp: 170689
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 25.201 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VF062356.D
Acq: 7 May 2019 14:37

Tgt Ion:180 Resp: 117246
Ion Ratio Lower Upper
180 100
182 97.5 49.4 148.0
145 29.1 14.8 44.3

