

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF011519\
 Data File : VF061410.D
 Acq On : 15 Jan 2019 16:53
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 16 03:22:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	174392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	309412	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	296840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	153942	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	333613	156.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.66%	
35) Dibromofluoromethane	4.11	113	342040	136.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	273.50%	
50) Toluene-d8	7.55	98	944622	139.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.44%	
62) 4-Bromofluorobenzene	11.41	95	422536	129.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	258.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	490492	141.920	ug/l	93
3) Chloromethane	1.09	50	347766	132.732	ug/l	97
4) Vinyl Chloride	1.13	62	309219	133.984	ug/l	98
5) Bromomethane	1.32	94	202124	127.907	ug/l	100
6) Chloroethane	1.38	64	132848	127.419	ug/l	99
7) Trichlorofluoromethane	1.49	101	588633	128.100	ug/l	95
8) Diethyl Ether	1.62	74	75012	130.194	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.82	101	281877	131.288	ug/l	99
10) Methyl Iodide	1.90	142	352847	106.066	ug/l	99
11) Tert butyl alcohol	2.57	59	68978	745.525	ug/l	96
12) 1,1-Dichloroethene	1.78	96	220754	138.400	ug/l	91
13) Acrolein	2.00	56	61000	708.786	ug/l	100
14) Allyl chloride	2.09	41	388100	135.265	ug/l	96
15) Acrylonitrile	2.94	53	167024	692.513	ug/l	96
16) Acetone	2.24	43	280176	609.943	ug/l	100
17) Carbon Disulfide	1.82	76	690327	138.744	ug/l	99
18) Methyl Acetate	2.34	43	108793	100.379	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	492032	138.406	ug/l	97
20) Methylene Chloride	2.18	84	92650	51.284	ug/l	92
21) trans-1,2-Dichloroethene	2.30	96	235844	133.092	ug/l	94
22) Diisopropyl ether	2.80	45	817717	146.537	ug/l	99
23) Vinyl Acetate	3.18	43	1798369	847.041	ug/l	99
24) 1,1-Dichloroethane	2.87	63	495677	139.488	ug/l	97
25) 2-Butanone	4.33	43	529777	724.093	ug/l	97
26) 2,2-Dichloropropane	3.59	77	283836	123.988	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	364043	142.206	ug/l	97
28) Bromochloromethane	3.72	49	204036	123.344	ug/l #	98
29) Tetrahydrofuran	4.07	42	203728	632.899	ug/l	96
30) Chloroform	3.85	83	651849	135.926	ug/l	96
31) Cyclohexane	3.69	56	277491	76.525	ug/l	95
32) 1,1,1-Trichloroethane	4.09	97	477994	131.071	ug/l	95
36) 1,1-Dichloropropene	4.28	75	508012	138.453	ug/l	96
37) Ethyl Acetate	4.11	43	189958	127.505	ug/l #	77
38) Carbon Tetrachloride	3.98	117	434141	109.214	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	541934	133.779	ug/l	97
40) Benzene	4.62	78	1114914	133.991	ug/l	98
41) Methacrylonitrile	4.74	41	109680	139.770	ug/l	90
42) 1,2-Dichloroethane	4.94	62	417931	144.915	ug/l	97
43) Isopropyl Acetate	6.95	43	270156	151.655	ug/l #	90
44) Trichloroethene	5.50	130	342006	133.796	ug/l	98
45) 1,2-Dichloropropane	6.23	63	289325	135.646	ug/l	99
46) Dibromomethane	6.08	93	202439	144.765	ug/l	98
47) Bromodichloromethane	6.38	83	516055	150.816	ug/l	99
48) Methyl methacrylate	6.71	41	182105	151.419	ug/l	91
49) 1,4-Dioxane	6.70	88	23787	2648.037	ug/l #	88
51) 4-Methyl-2-Pentanone	8.25	43	860882	617.074	ug/l	96
52) Toluene	7.62	92	680061	123.080	ug/l	94
53) t-1,3-Dichloropropene	8.27	75	392421	142.162	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	483236	139.185	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	216600	144.235	ug/l	98
56) Ethyl methacrylate	8.62	69	262499	152.531	ug/l	97
57) 1,3-Dichloropropane	8.85	76	410423	147.332	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	145831	1252.595	ug/l	96
59) 2-Hexanone	9.49	43	586755	604.222	ug/l	99
60) Dibromochloromethane	8.72	129	333525	156.266	ug/l	99
61) 1,2-Dibromoethane	8.98	107	246001	143.175	ug/l	91
64) Tetrachloroethene	8.14	164	305395	135.060	ug/l	99
65) Chlorobenzene	9.80	112	800092	127.189	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.93	131	328933	133.579	ug/l	98
67) Ethyl Benzene	9.90	91	1378336	118.337	ug/l	96
68) m/p-Xylenes	10.14	106	970305	230.913	ug/l	88
69) o-Xylene	10.71	106	546549	121.774	ug/l	90
70) Styrene	10.79	104	726688	116.650	ug/l	99
71) Bromoform	10.77	173	159696	150.485	ug/l #	96
73) Isopropylbenzene	11.12	105	1489142	110.759	ug/l	95
74) N-amyl acetate	11.37	43	362439	117.373	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	281213	120.259	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	204273	121.531	ug/l	96
77) Bromobenzene	11.50	156	338268	123.260	ug/l	94
78) n-propylbenzene	11.60	91	1701345	103.872	ug/l	95
79) 2-Chlorotoluene	11.72	91	1058306	113.692	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	1216575	113.356	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.86	75	128588	144.996	ug/l	96
82) 4-Chlorotoluene	11.90	91	1079168	117.050	ug/l	94
83) tert-Butylbenzene	12.13	119	1229567	110.176	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	1252048	112.774	ug/l	96
85) sec-Butylbenzene	12.31	105	1689927	111.343	ug/l	96
86) p-Isopropyltoluene	12.45	119	1327914	105.093	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	604540	107.157	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	661808	128.056	ug/l	96
89) n-Butylbenzene	12.84	91	1338119	102.465	ug/l	95
90) Hexachloroethane	12.92	117	367057	131.600	ug/l	87
91) 1,2-Dichlorobenzene	12.94	146	601811	114.473	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	58449	147.456	ug/l	80

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:16:25 2019
Response via : Initial Calibration

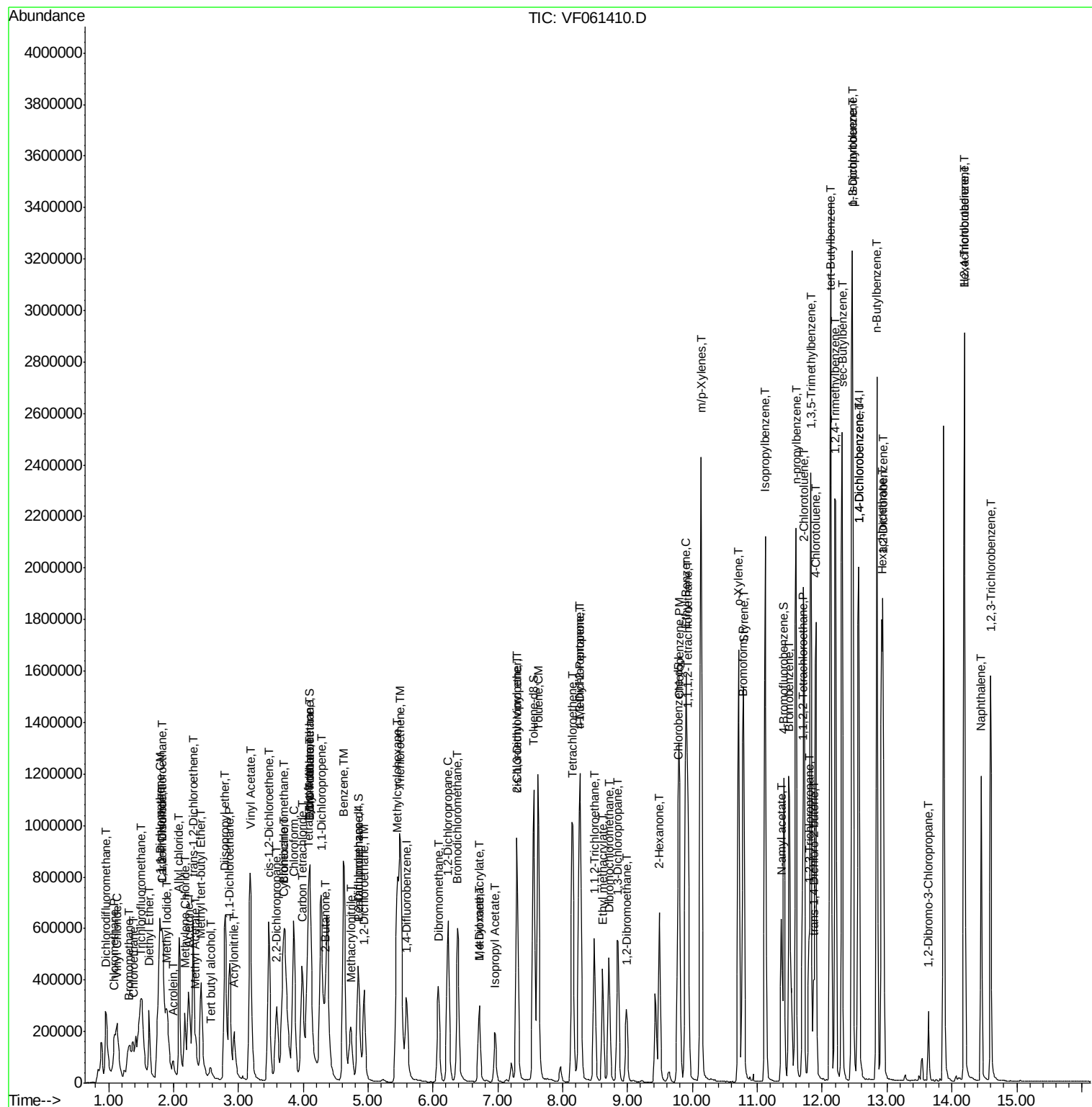
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	419181	114.247	ug/l	98
94) Hexachlorobutadiene	14.19	225	271435	122.173	ug/l	97
95) Naphthalene	14.46	128	932858	142.839	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	427088	129.591	ug/l	97

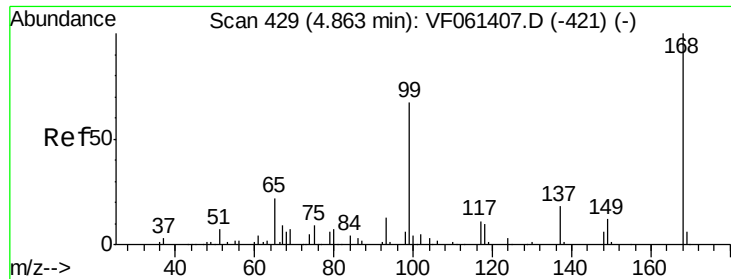
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF011519\
Data File : VF061410.D
Acq On : 15 Jan 2019 16:53
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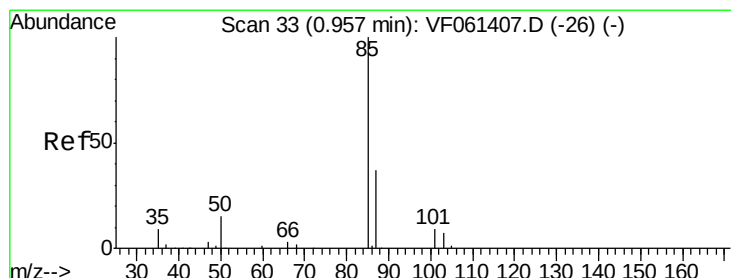
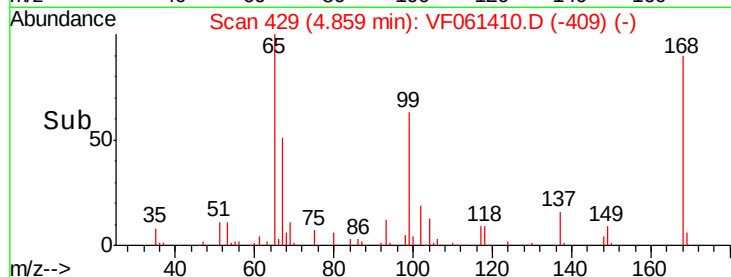
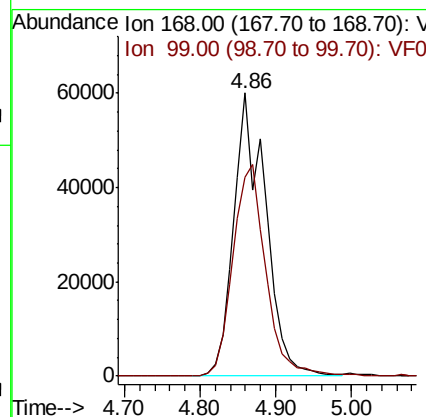
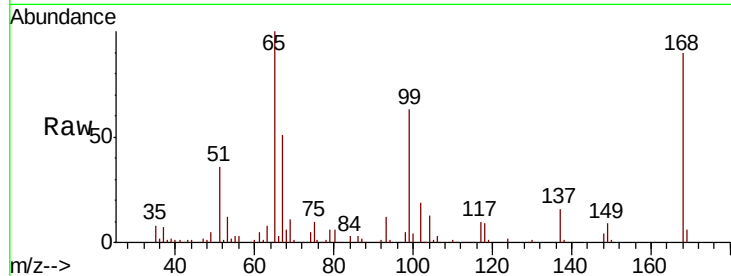




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.00 min
Lab File: VF061410.D
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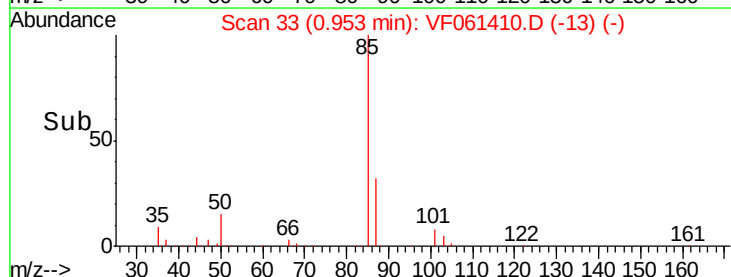
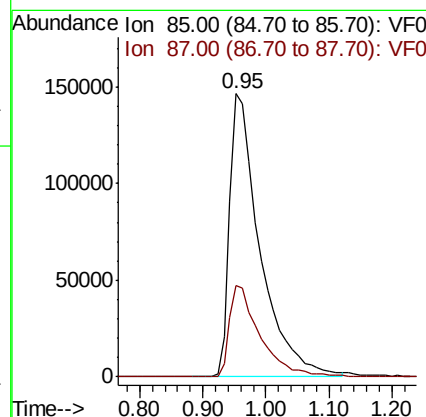
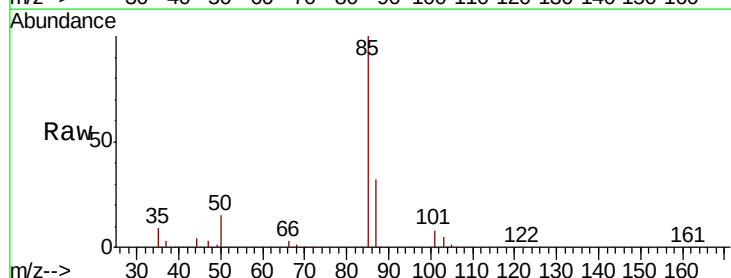
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

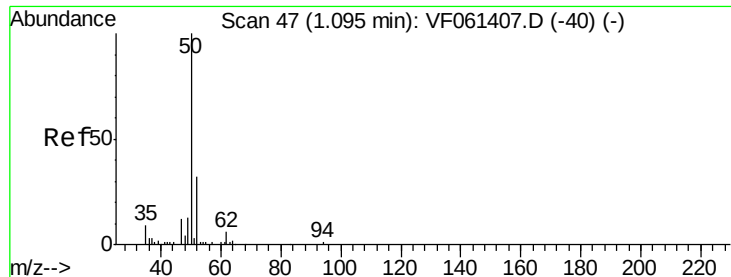
Tgt Ion: 168 Resp: 174392
Ion Ratio Lower Upper
168 100
99 70.2 53.5 80.3



#2
Dichlorodifluoromethane
Concen: 141.920 ug/l
RT: 0.95 min Scan# 33
Delta R.T. -0.00 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion: 85 Resp: 490492
Ion Ratio Lower Upper
85 100
87 32.4 18.4 55.0





#3

Chloromethane

Concen: 132.732 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

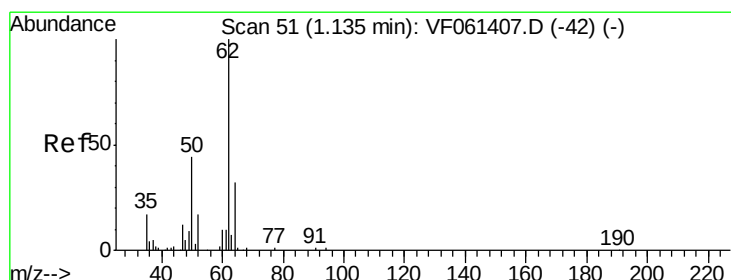
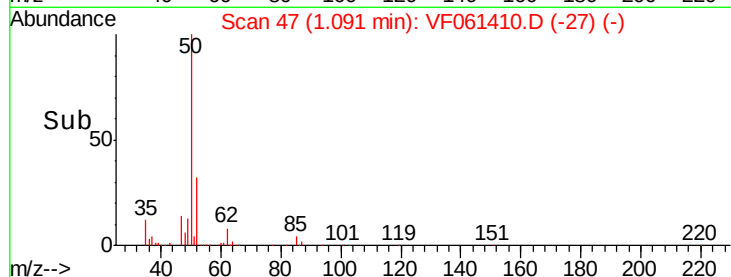
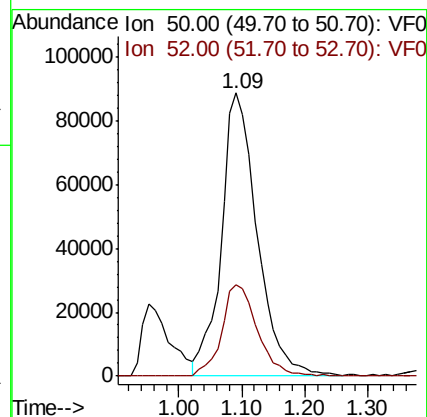
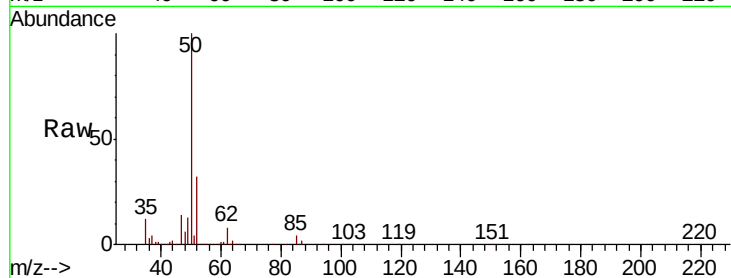
VSTDIC150

Tgt Ion: 50 Resp: 347766

Ion Ratio Lower Upper

50 100

52 32.3 24.6 36.8



#4

Vinyl Chloride

Concen: 133.984 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061410.D

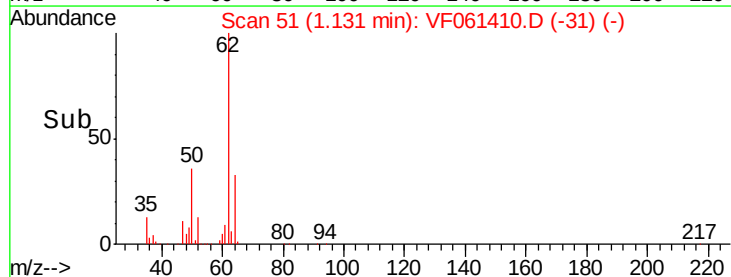
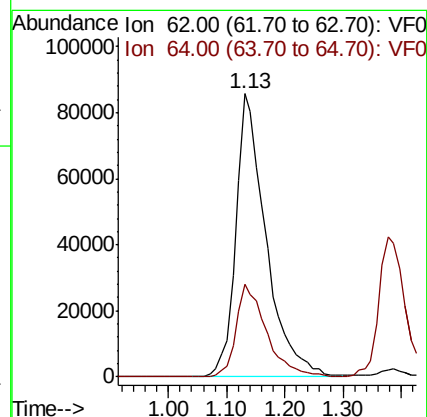
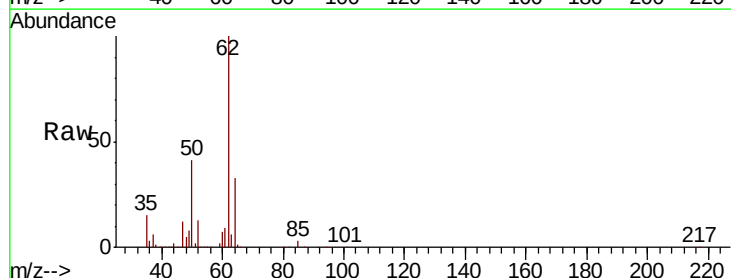
Acq: 15 Jan 2019 16:53

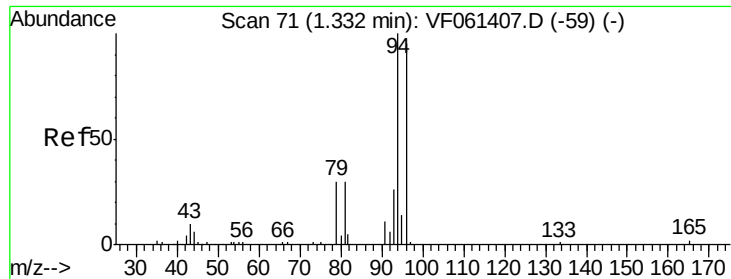
Tgt Ion: 62 Resp: 309219

Ion Ratio Lower Upper

62 100

64 33.0 25.6 38.4





#5

Bromomethane

Concen: 127.907 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

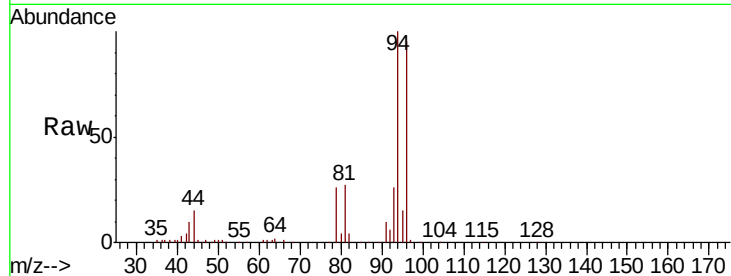
VSTDIC150

Tgt Ion: 94 Resp: 202124

Ion Ratio Lower Upper

94 100

96 95.1 76.0 114.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.32

40000

30000

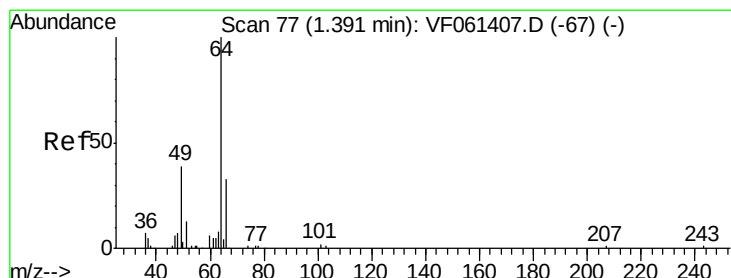
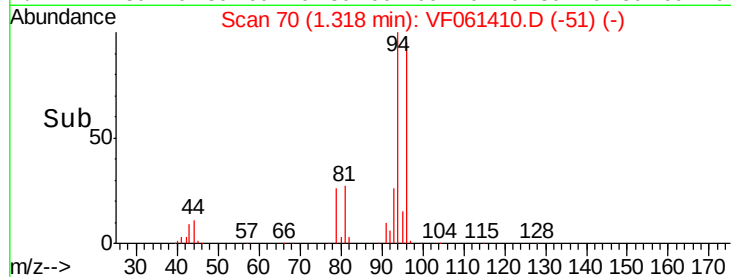
20000

10000

0

Time-->

1.20 1.40



#6

Chloroethane

Concen: 127.419 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061410.D

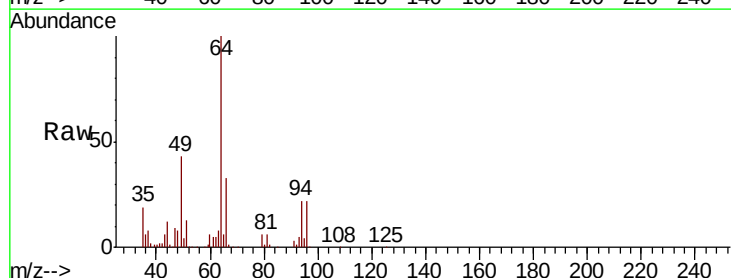
Acq: 15 Jan 2019 16:53

Tgt Ion: 64 Resp: 132848

Ion Ratio Lower Upper

64 100

66 32.6 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

50000

40000

30000

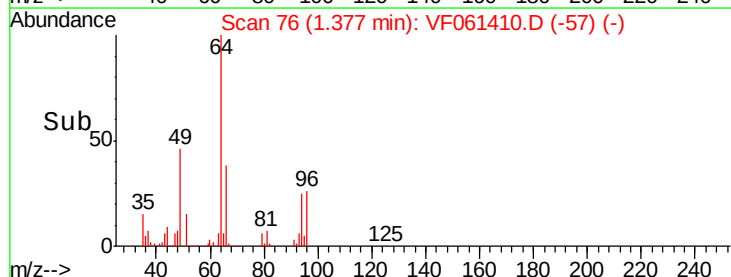
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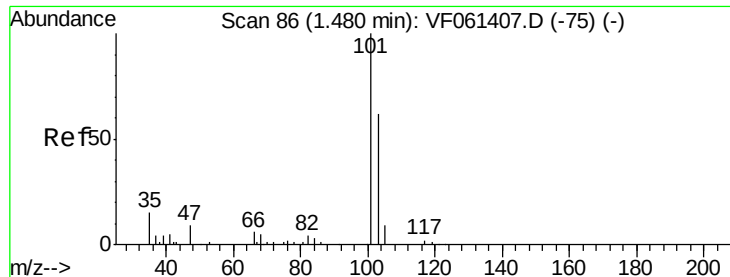
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Time-->

1.20 1.30 1.40 1.50 1.60



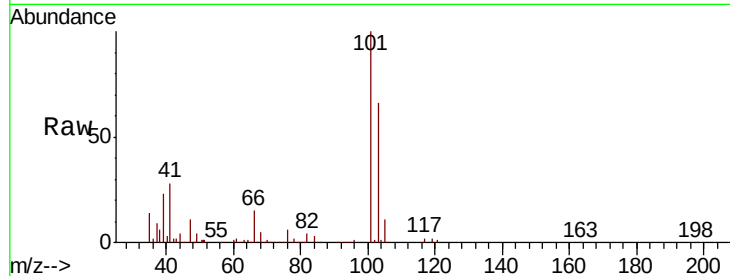


#7

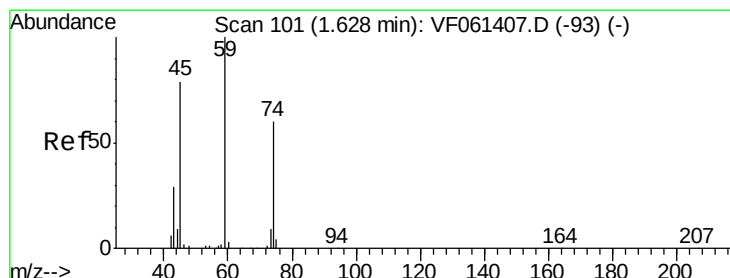
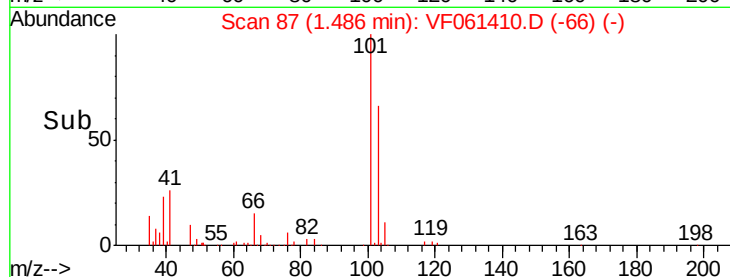
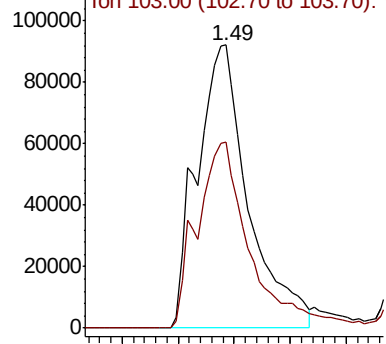
Trichlorofluoromethane
 Concen: 128.100 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Instrument :
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Tgt Ion:101 Resp: 588633
 Ion Ratio Lower Upper
 101 100
 103 65.6 49.7 74.5



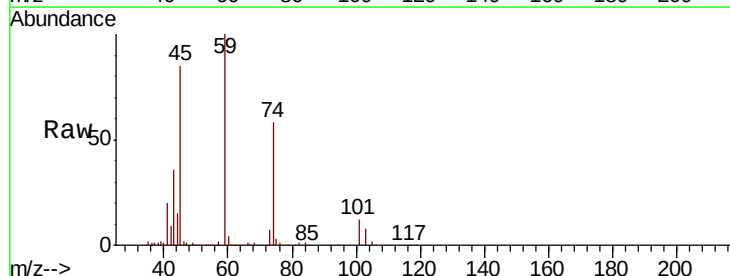
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



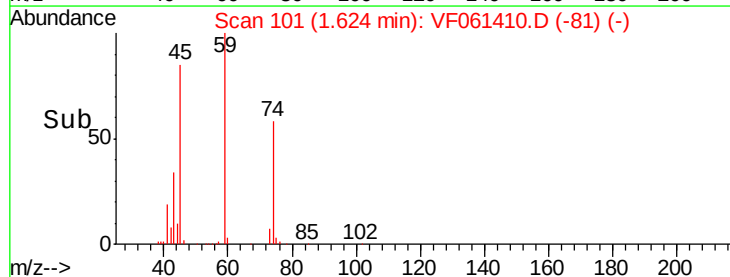
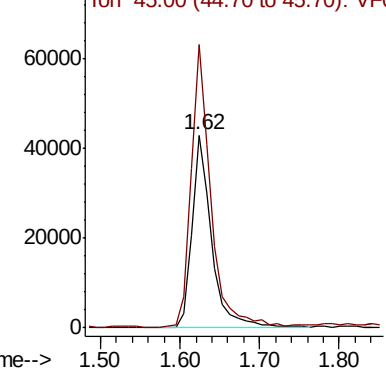
#8

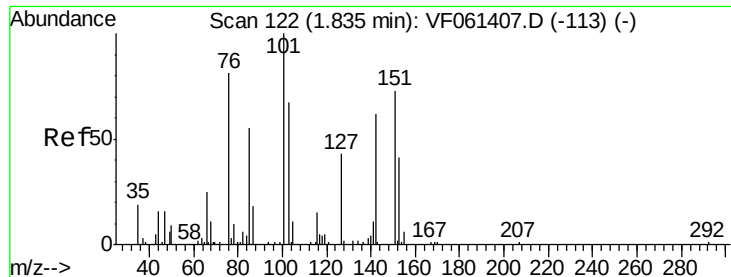
Diethyl Ether
 Concen: 130.194 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion: 74 Resp: 75012
 Ion Ratio Lower Upper
 74 100
 45 146.6 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0
 Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.288 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

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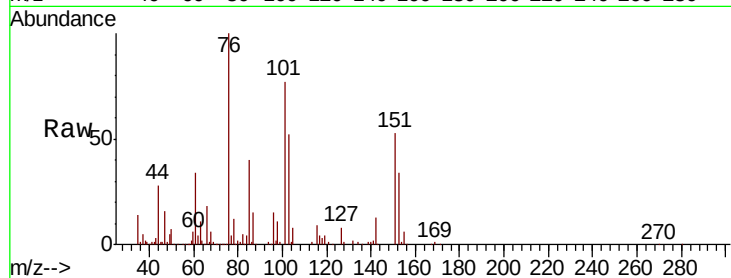
Tgt Ion:101 Resp: 281877

Ion Ratio Lower Upper

101 100

85 51.5 41.9 62.9

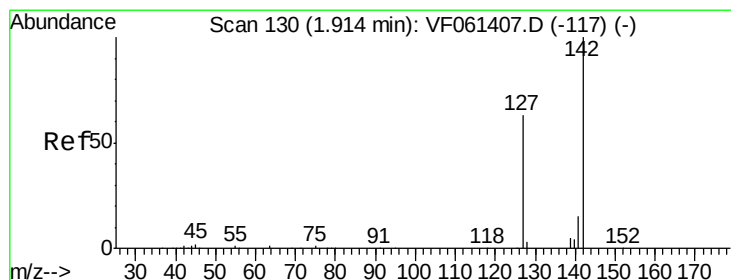
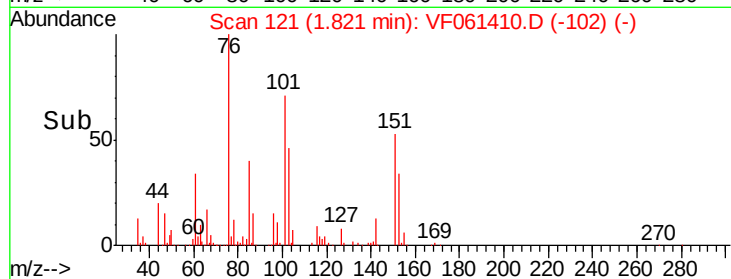
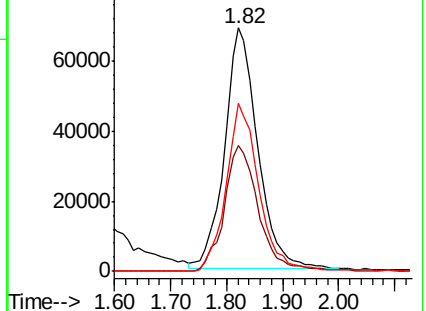
151 69.0 55.1 82.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 106.066 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

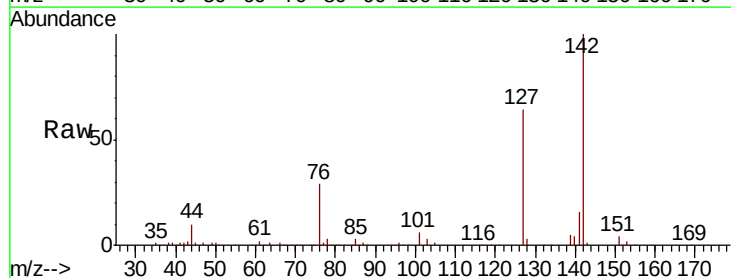
Tgt Ion:142 Resp: 352847

Ion Ratio Lower Upper

142 100

127 64.3 50.7 76.1

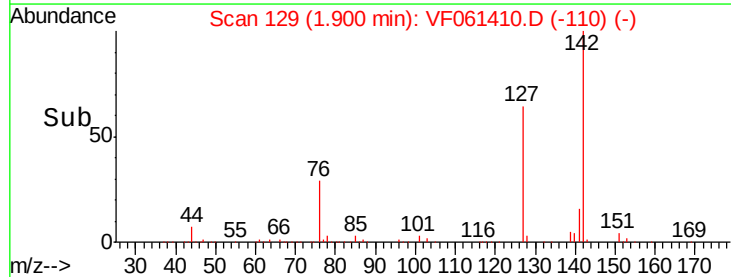
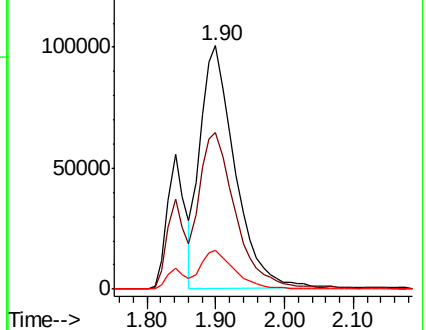
141 15.7 11.8 17.6

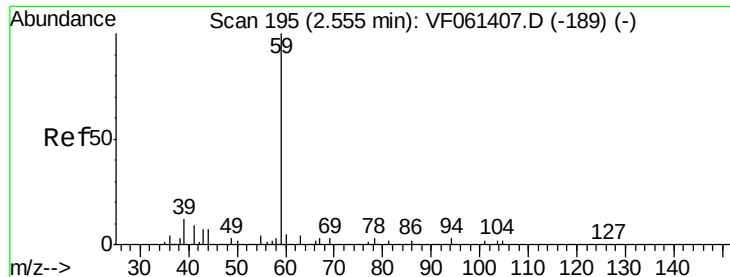


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

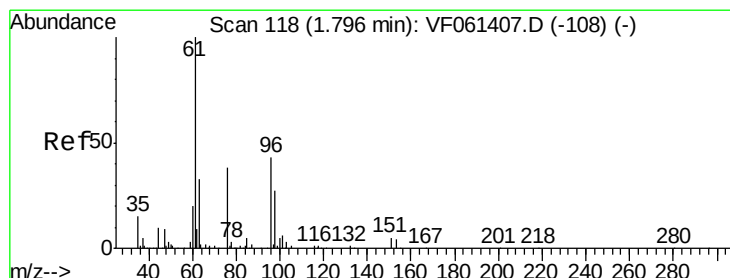
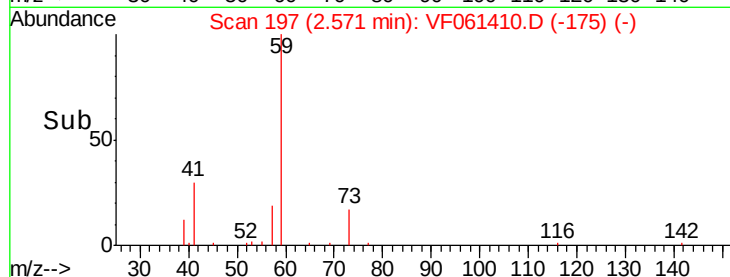
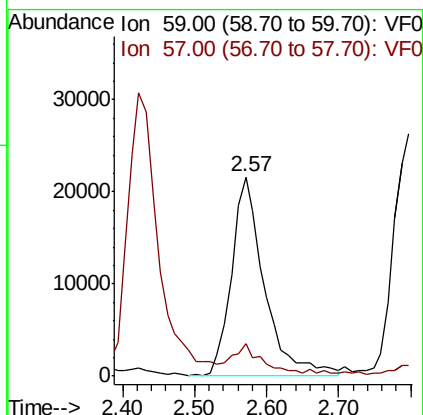
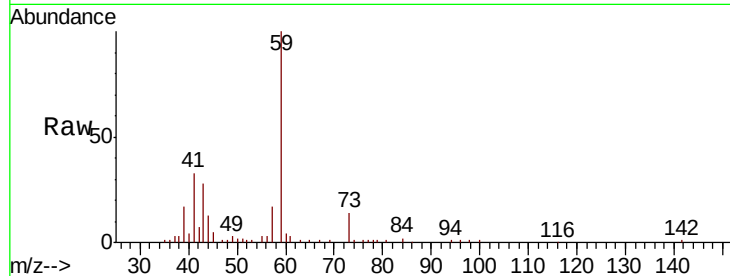




#11
Tert butyl alcohol
Concen: 745.525 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

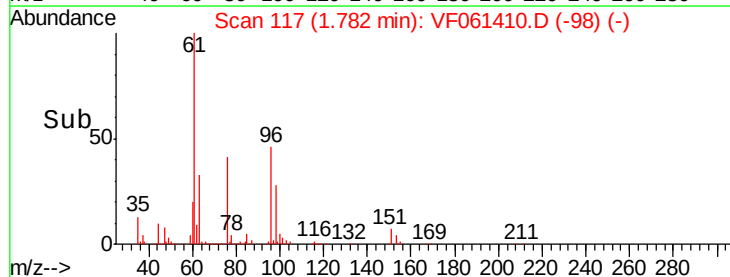
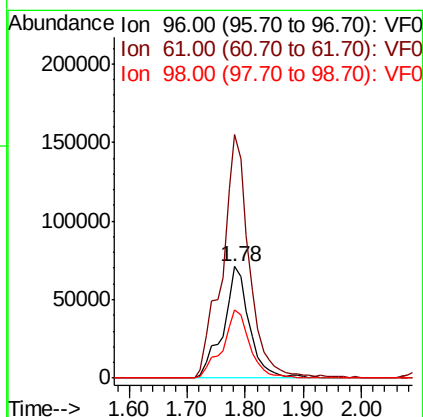
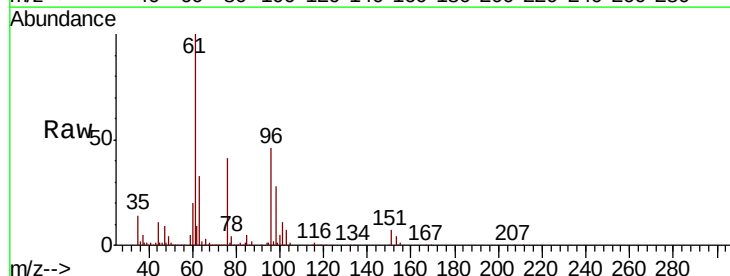
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

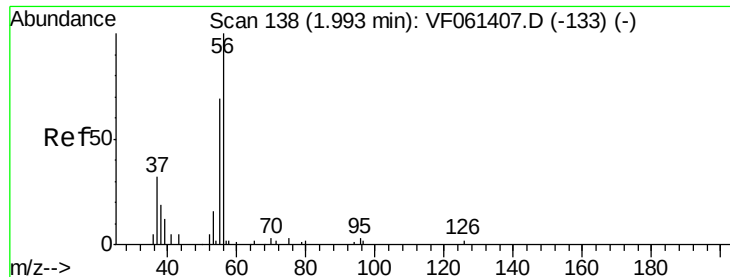
Tgt Ion: 59 Resp: 68978
Ion Ratio Lower Upper
59 100
57 16.7 11.9 17.9



#12
1,1-Dichloroethene
Concen: 138.400 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion: 96 Resp: 220754
Ion Ratio Lower Upper
96 100
61 217.9 186.9 280.3
98 61.4 53.0 79.4





#13

Acrolein

Concen: 708.786 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

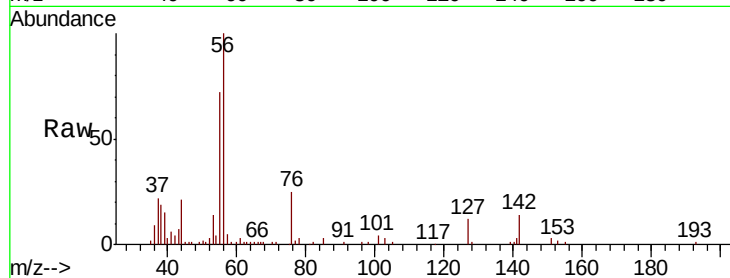
VSTDIC150

Tgt Ion: 56 Resp: 61000

Ion Ratio Lower Upper

56 100

55 72.3 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.00

25000

20000

15000

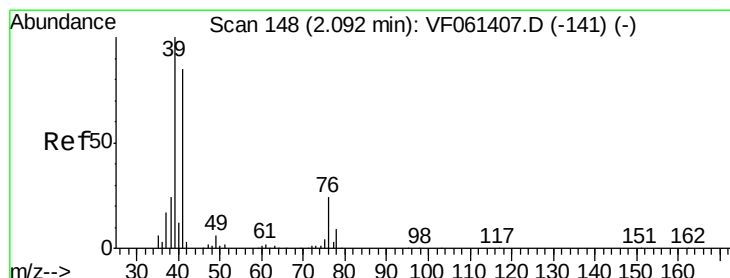
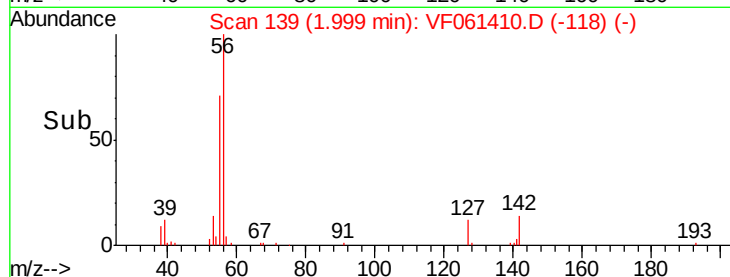
10000

5000

0

1.90 2.00 2.10 2.20

Time-->



#14

Allyl chloride

Concen: 135.265 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

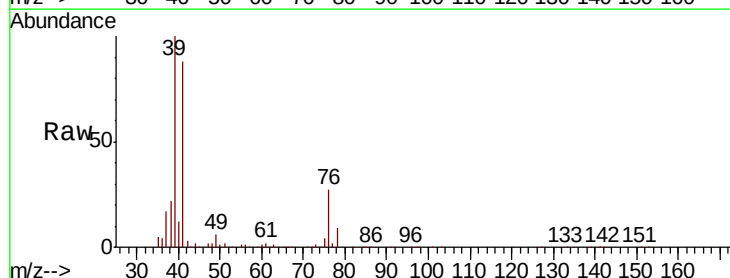
Tgt Ion: 41 Resp: 388100

Ion Ratio Lower Upper

41 100

39 113.3 94.6 141.8

76 31.0 25.9 38.9



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

200000

150000

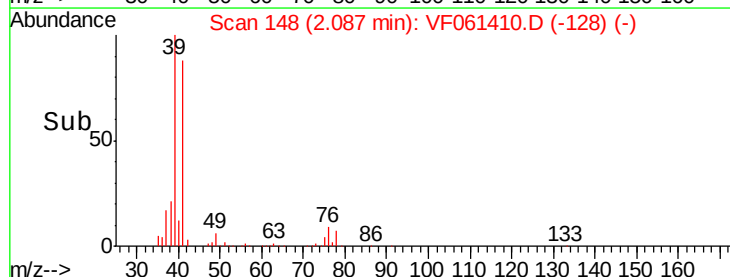
100000

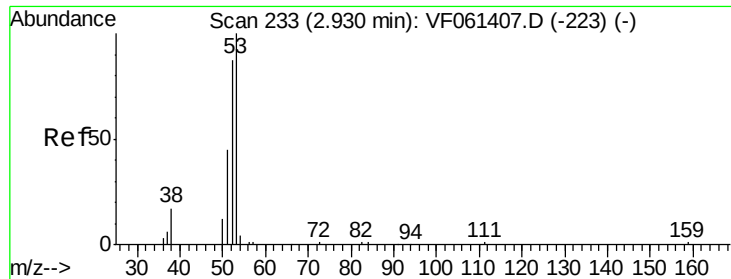
50000

0

2.00 2.10 2.20 2.30

Time-->





#15

Acrylonitrile

Concen: 692.513 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

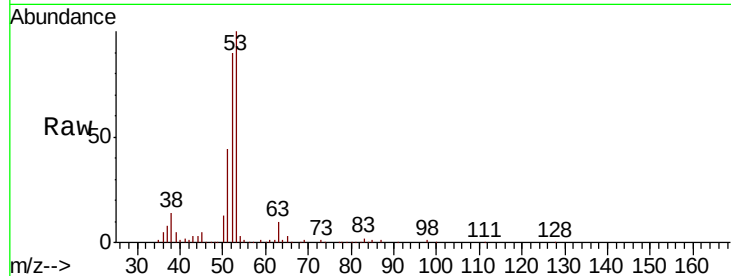
Tgt Ion: 53 Resp: 167024

Ion Ratio Lower Upper

53 100

52 90.5 69.6 104.4

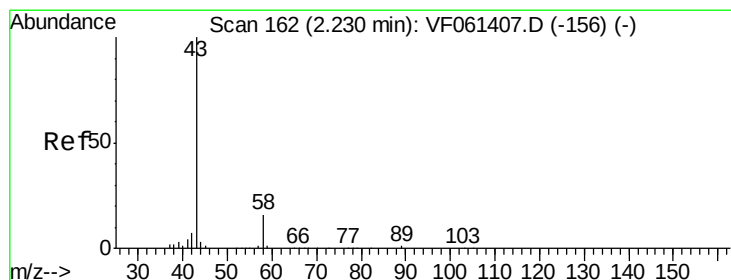
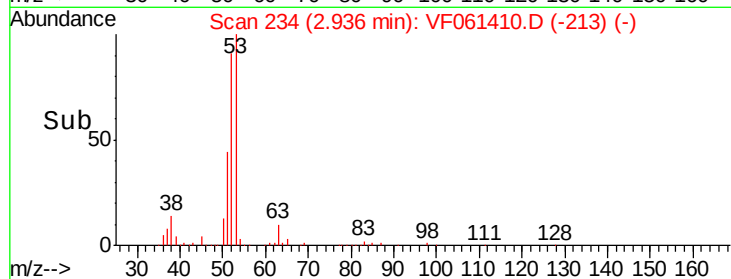
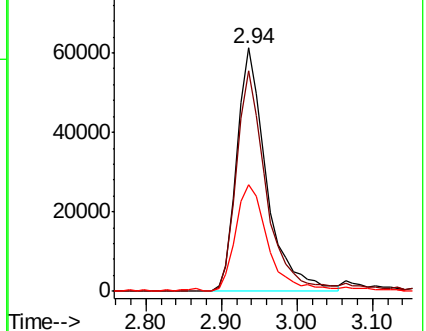
51 43.8 36.8 55.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 609.943 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061410.D

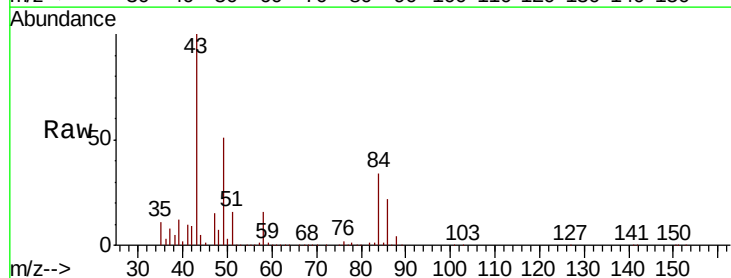
Acq: 15 Jan 2019 16:53

Tgt Ion: 43 Resp: 280176

Ion Ratio Lower Upper

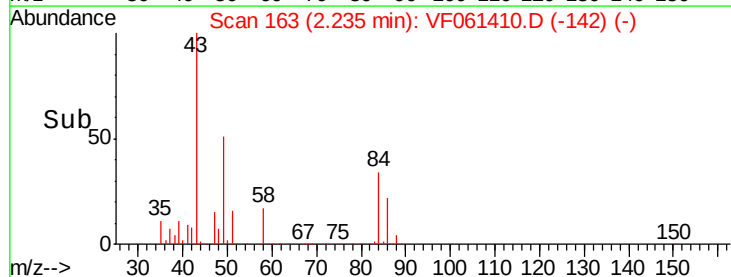
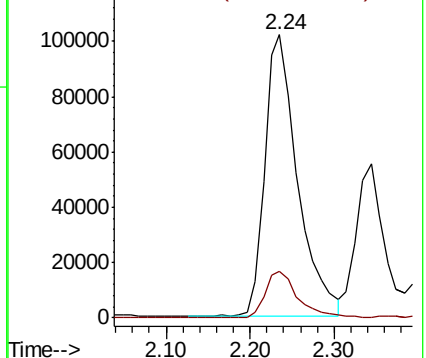
43 100

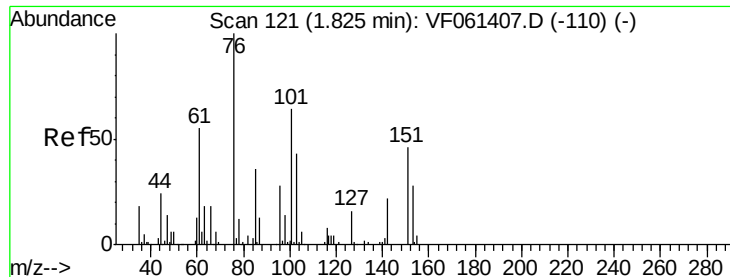
58 16.5 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 138.744 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

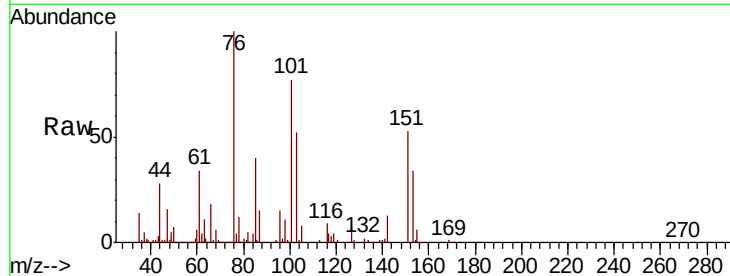
VSTDIC150

Tgt Ion: 76 Resp: 690327

Ion Ratio Lower Upper

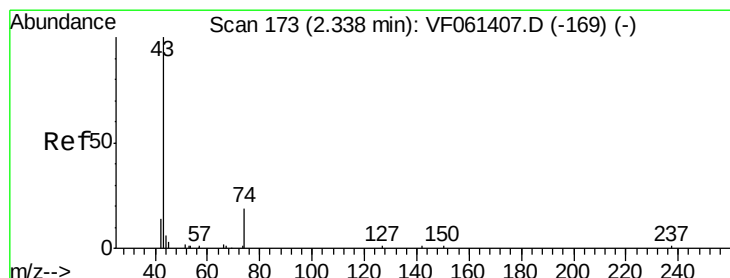
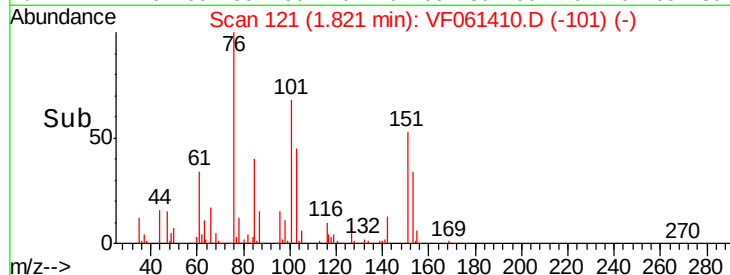
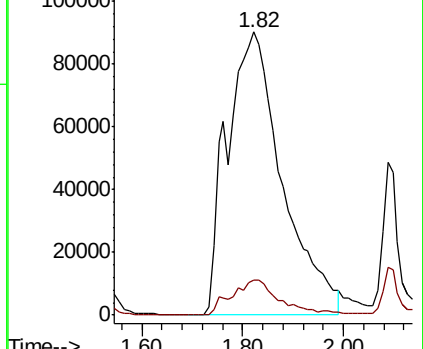
76 100

78 12.3 9.6 14.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 100.379 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF061410.D

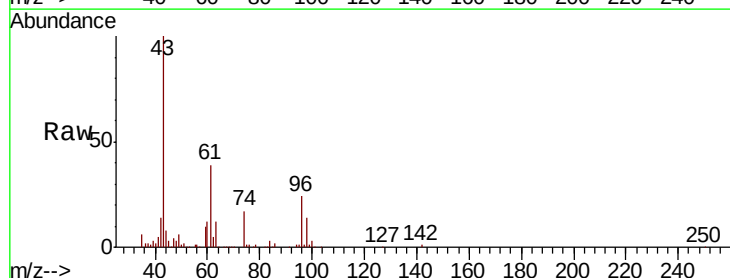
Acq: 15 Jan 2019 16:53

Tgt Ion: 43 Resp: 108793

Ion Ratio Lower Upper

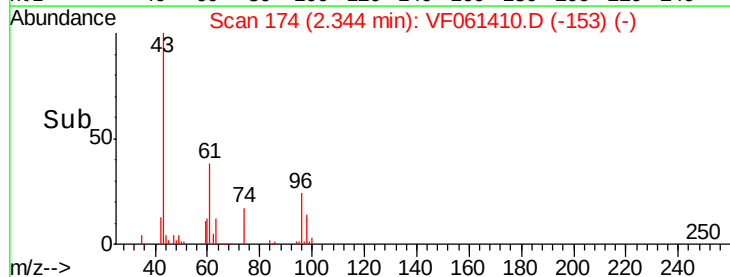
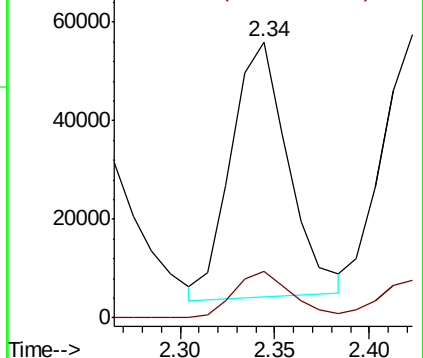
43 100

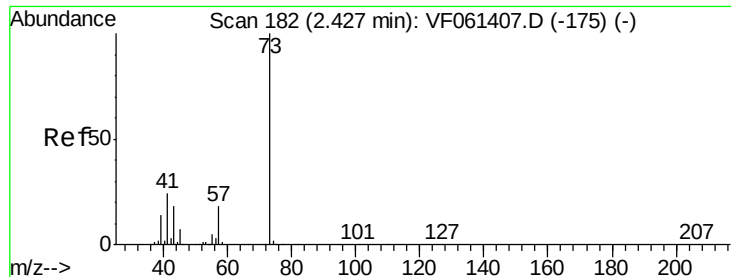
74 17.0 13.4 20.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



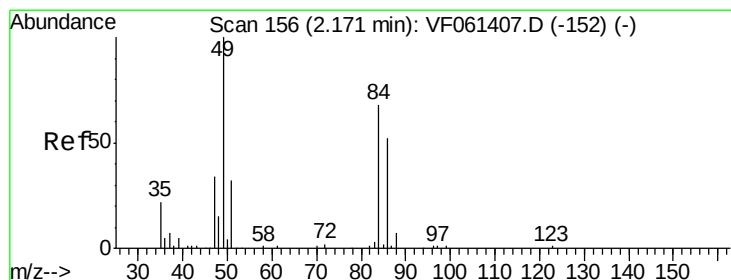
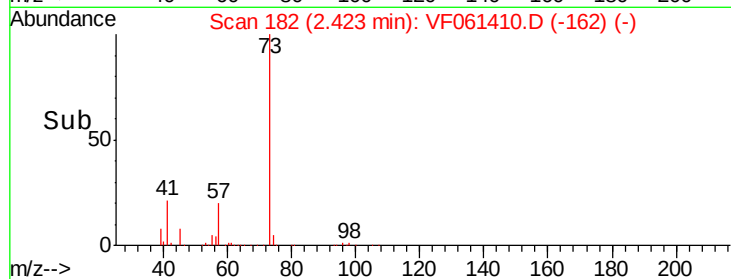
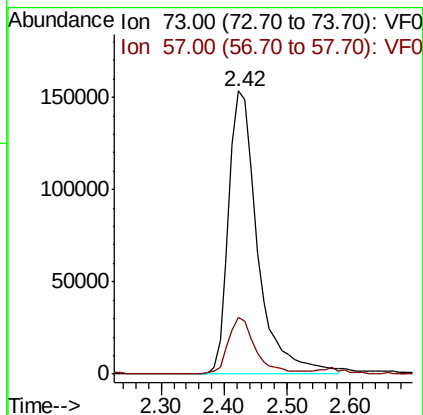
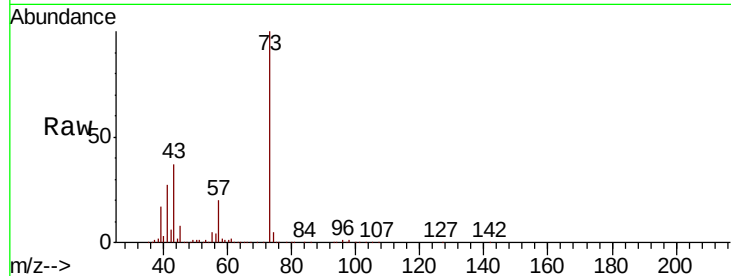


#19

Methyl tert-butyl Ether
 Concen: 138.406 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

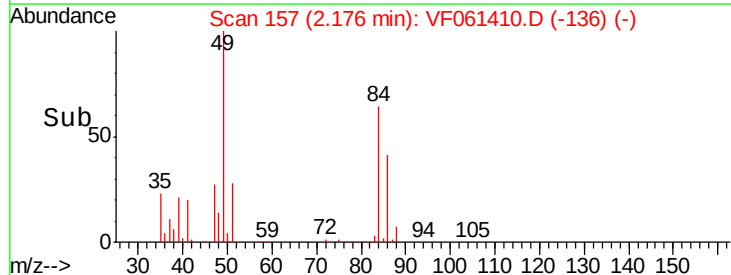
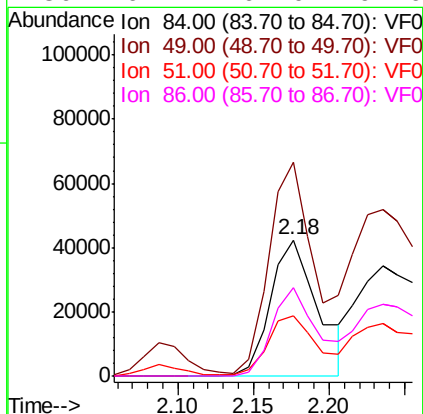
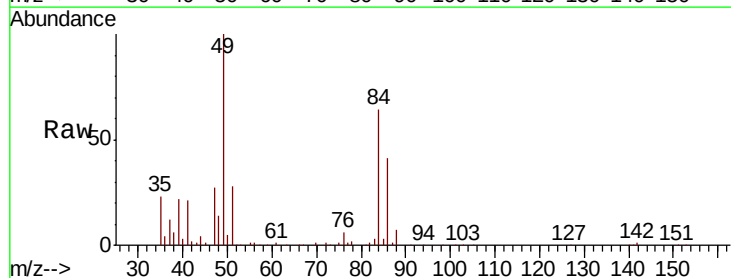
Tgt Ion: 73 Resp: 492032
 Ion Ratio Lower Upper
 73 100
 57 20.0 14.8 22.2

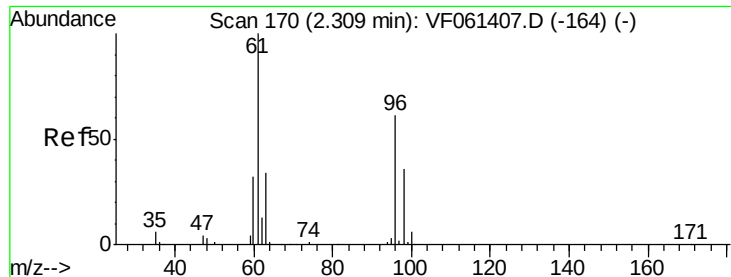


#20

Methylene Chloride
 Concen: 51.284 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion: 84 Resp: 92650
 Ion Ratio Lower Upper
 84 100
 49 157.1 120.0 180.0
 51 44.4 38.6 58.0
 86 64.7 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 133.092 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

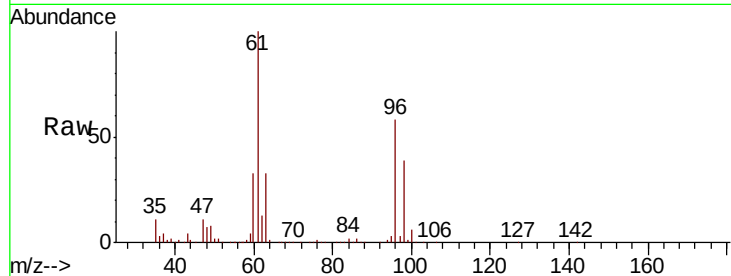
Tgt Ion: 96 Resp: 235844

Ion Ratio Lower Upper

96 100

61 171.1 131.8 197.8

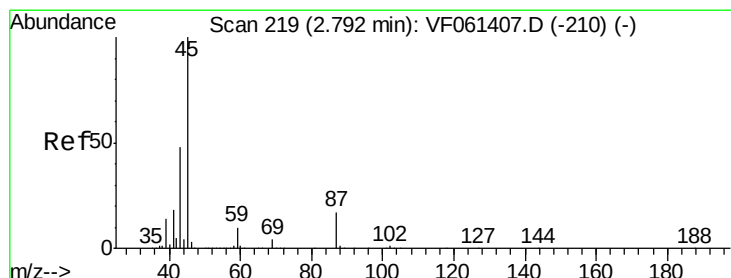
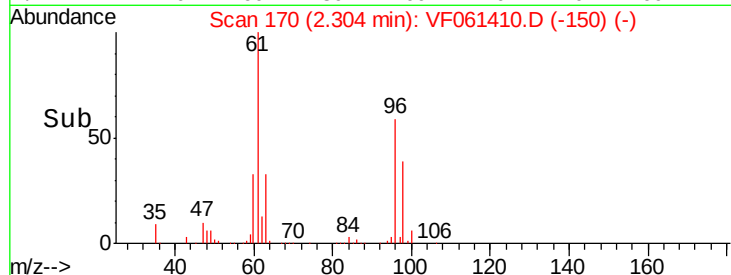
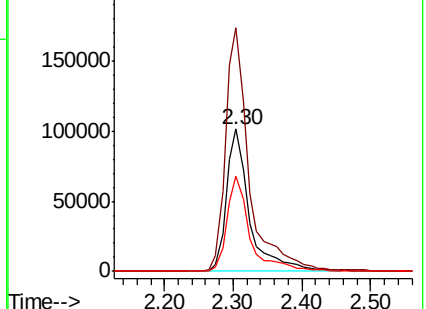
98 66.9 47.4 71.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 146.537 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion: 45 Resp: 817717

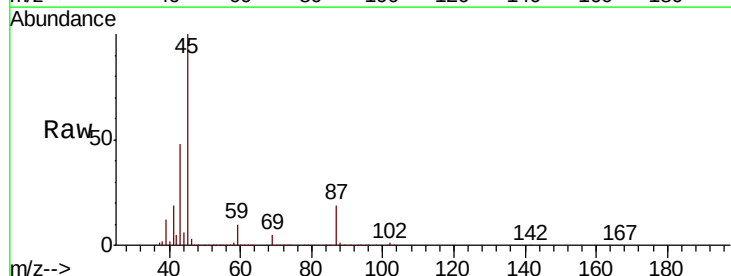
Ion Ratio Lower Upper

45 100

43 48.3 39.0 58.6

87 19.0 13.9 20.9

59 9.6 7.8 11.6

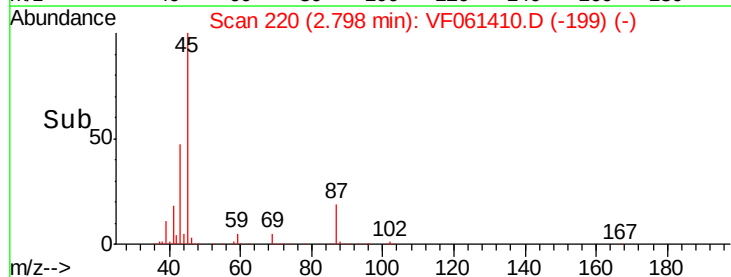
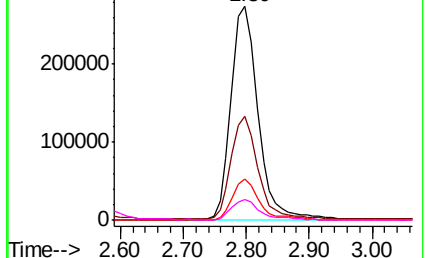


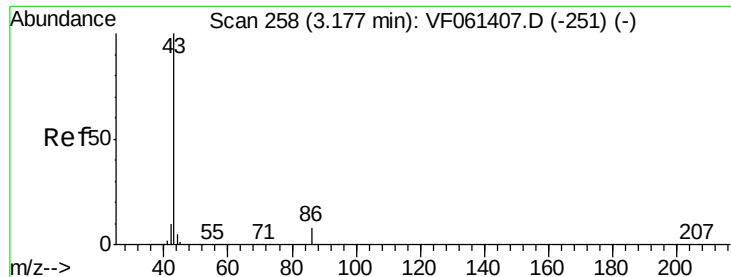
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 847.041 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

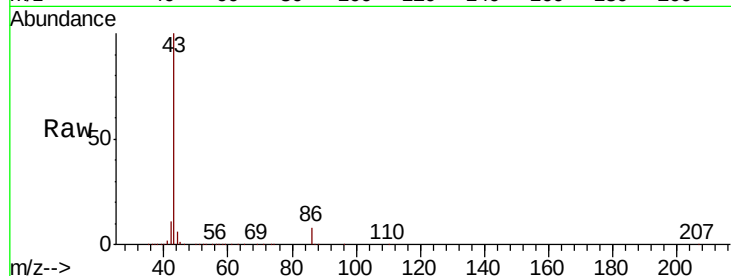
VSTDIC150

Tgt Ion: 43 Resp: 1798369

Ion Ratio Lower Upper

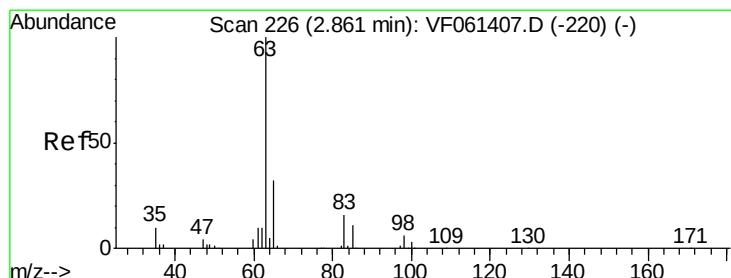
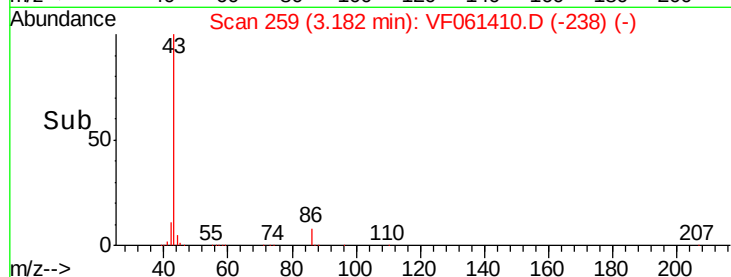
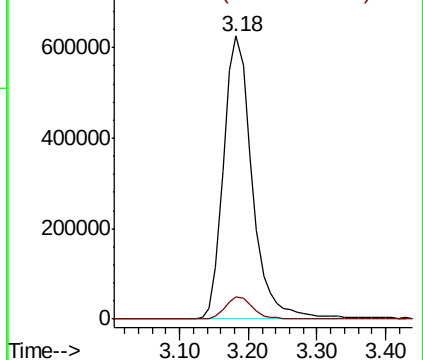
43 100

86 8.0 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 139.488 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

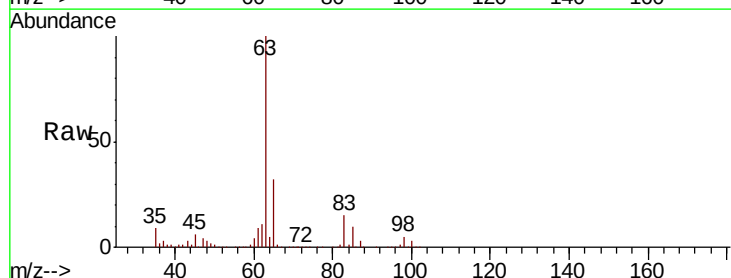
Tgt Ion: 63 Resp: 495677

Ion Ratio Lower Upper

63 100

98 4.6 2.9 8.8

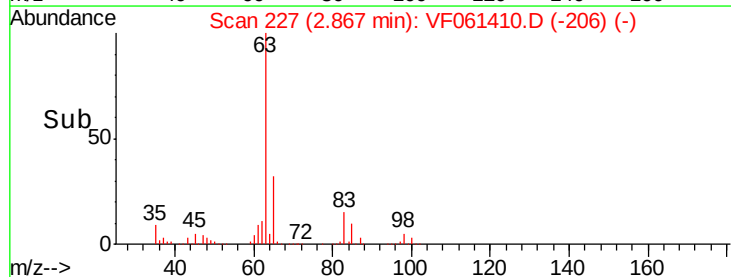
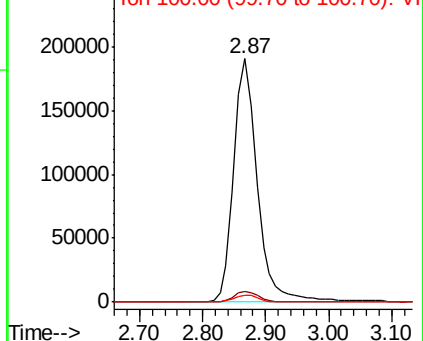
100 2.9 1.6 4.8

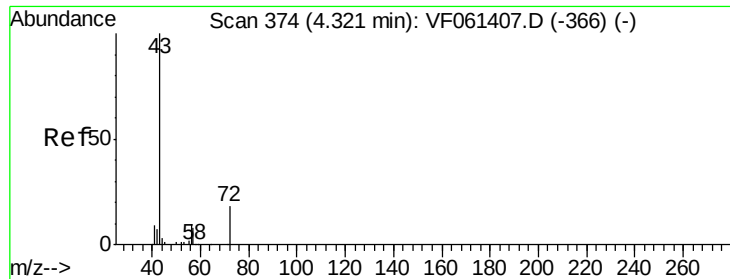


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 724.093 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

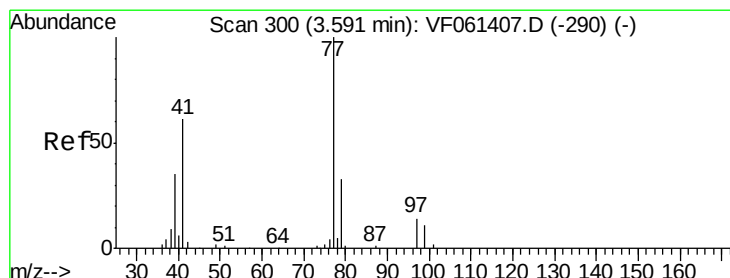
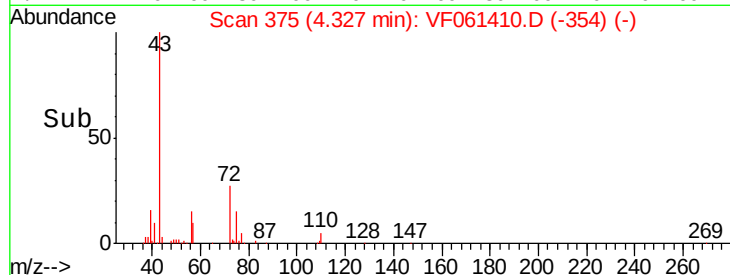
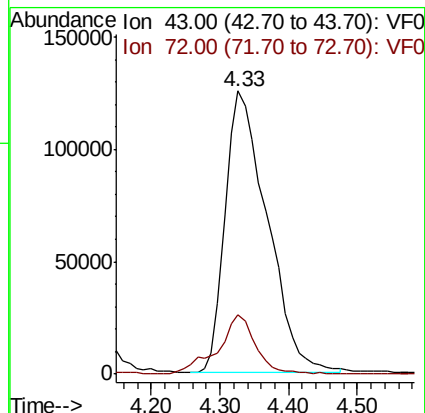
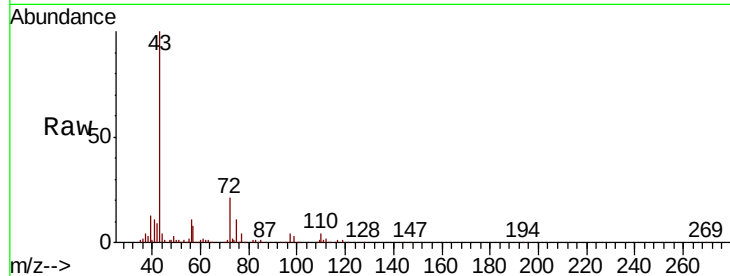
VSTDIC150

Tgt Ion: 43 Resp: 529777

Ion Ratio Lower Upper

43 100

72 21.1 15.8 23.6



#26

2,2-Dichloropropane

Concen: 123.988 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061410.D

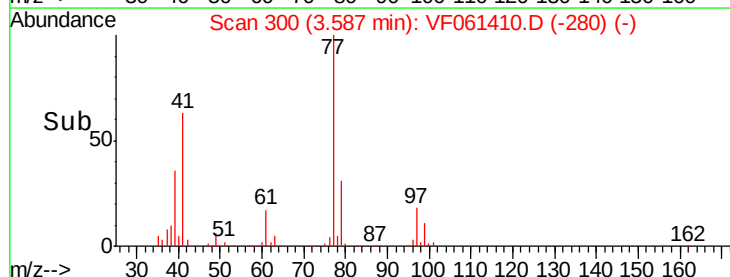
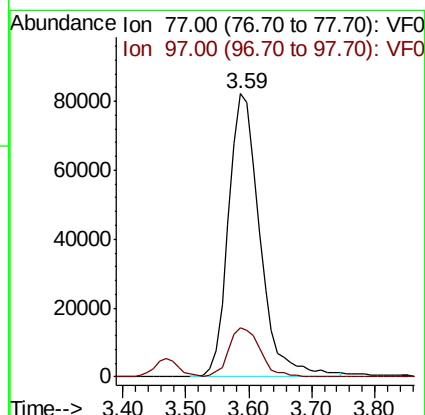
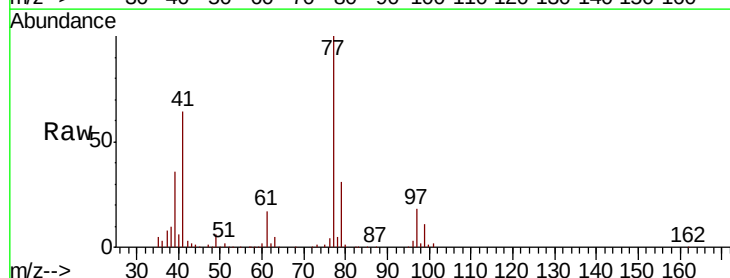
Acq: 15 Jan 2019 16:53

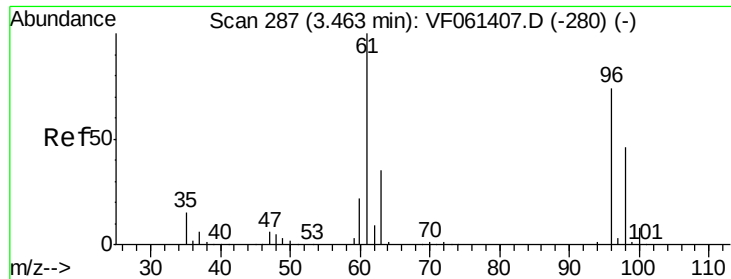
Tgt Ion: 77 Resp: 283836

Ion Ratio Lower Upper

77 100

97 17.6 8.5 25.5



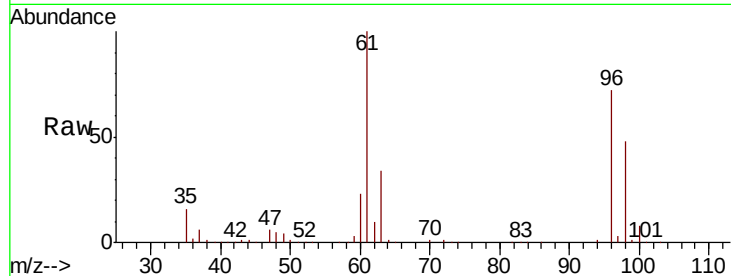


#27

cis-1,2-Dichloroethene
 Concen: 142.206 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	270.2
98	65.9	0.0	124.0

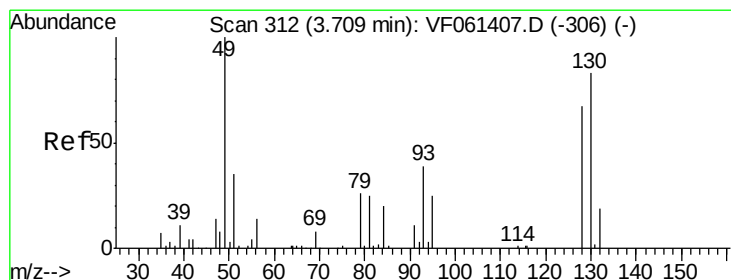
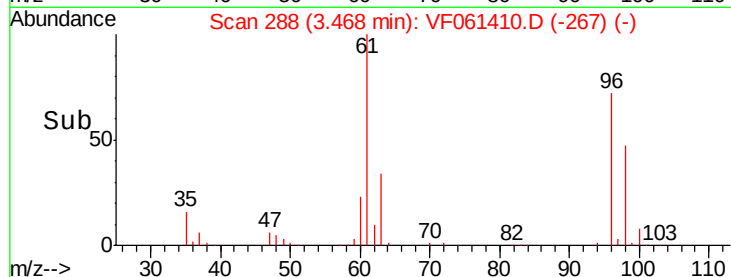
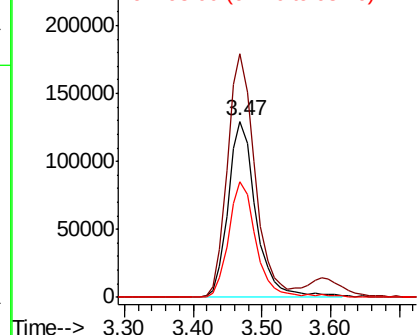


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

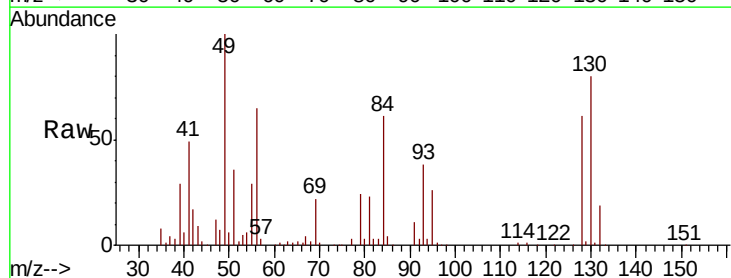
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
 Concen: 123.344 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	0.0#
130	80.3	65.4	98.2

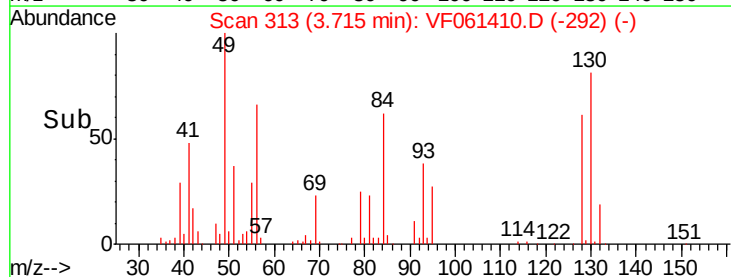
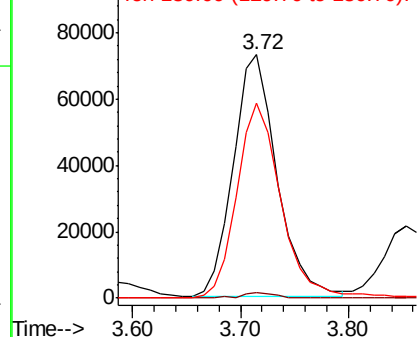


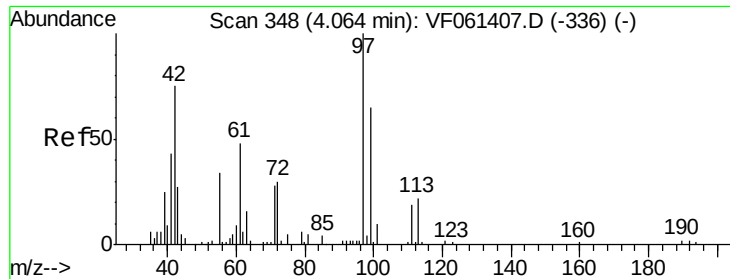
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 632.899 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

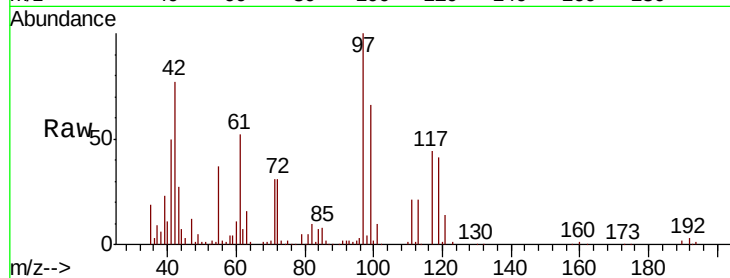
Tgt Ion: 42 Resp: 203728

Ion Ratio Lower Upper

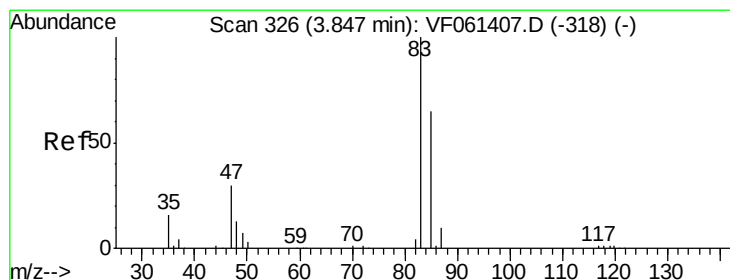
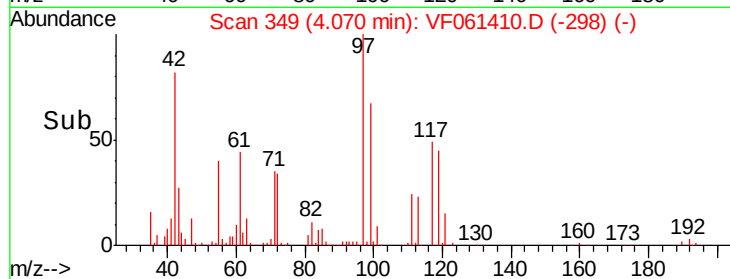
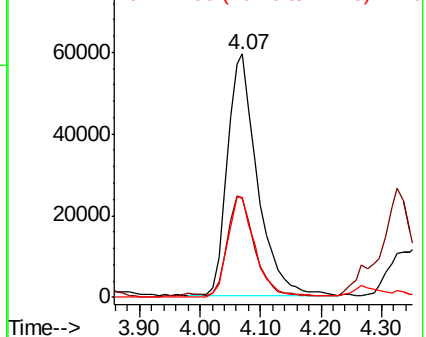
42 100

72 38.9 28.9 43.3

71 38.5 29.6 44.4



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: 135.926 ug/l

RT: 3.85 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF061410.D

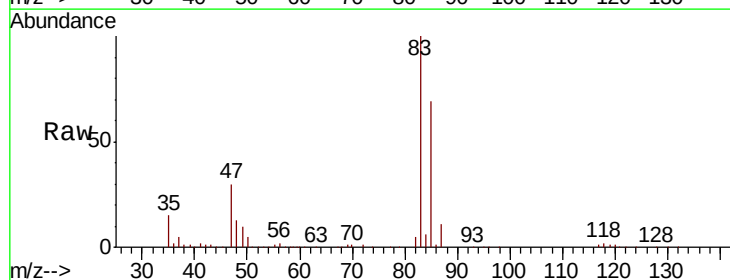
Acq: 15 Jan 2019 16:53

Tgt Ion: 83 Resp: 651849

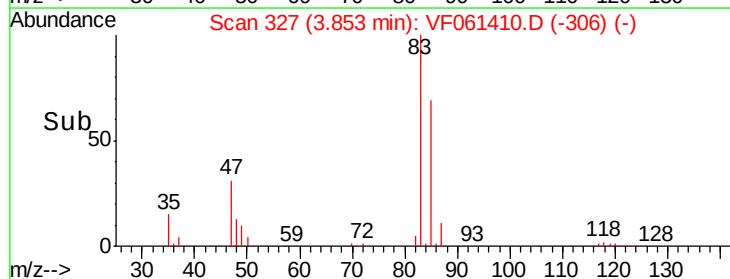
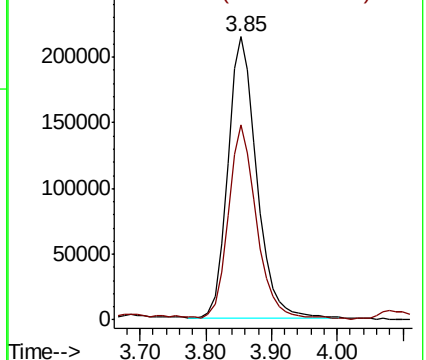
Ion Ratio Lower Upper

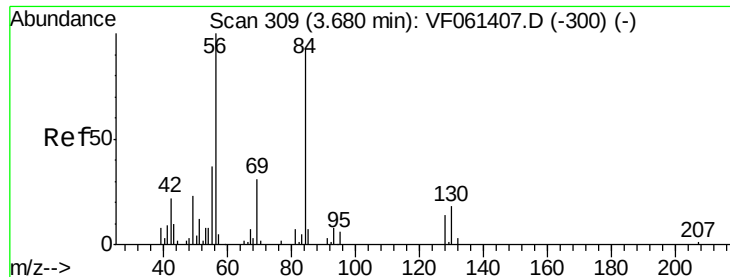
83 100

85 69.1 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 76.525 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

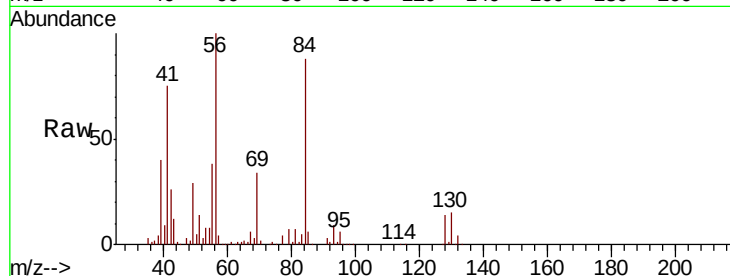
Tgt Ion: 56 Resp: 277491

Ion Ratio Lower Upper

56 100

69 33.8 24.6 36.8

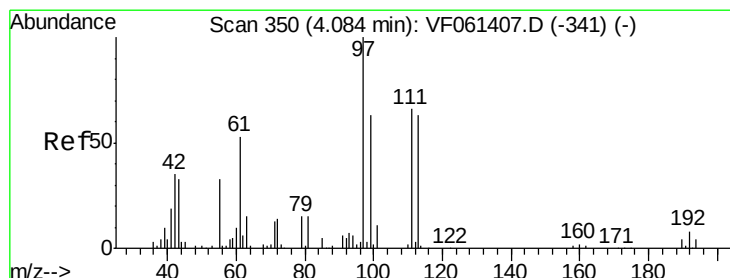
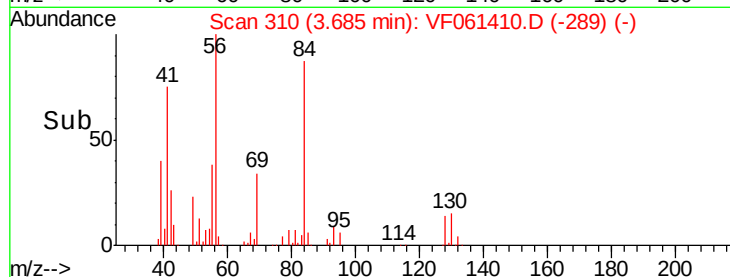
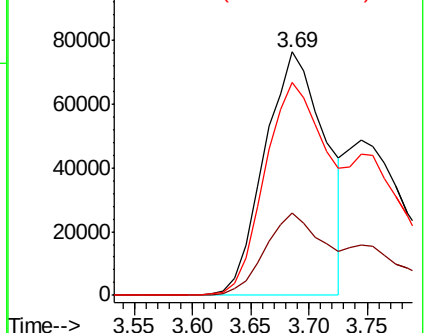
84 87.6 74.2 111.2



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: 131.071 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

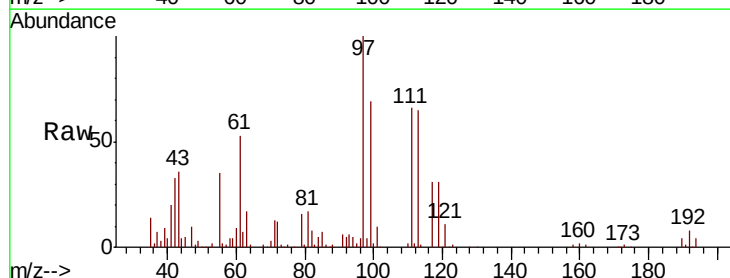
Tgt Ion: 97 Resp: 477994

Ion Ratio Lower Upper

97 100

99 68.7 50.1 75.1

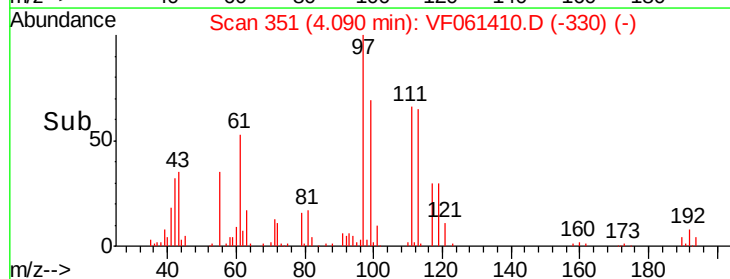
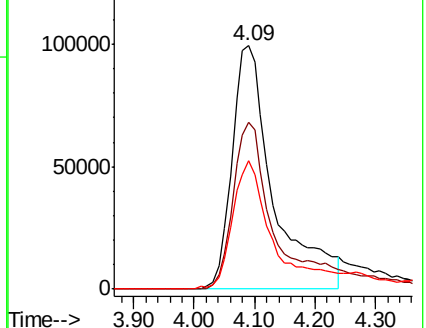
61 52.8 43.1 64.7

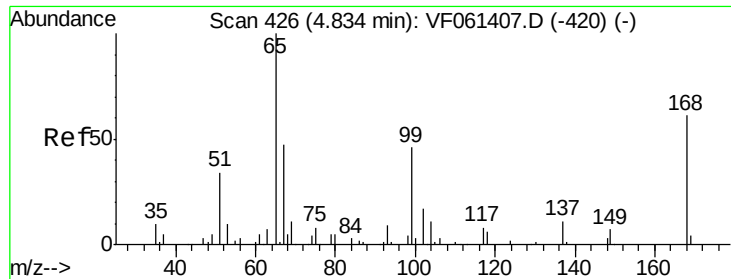


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

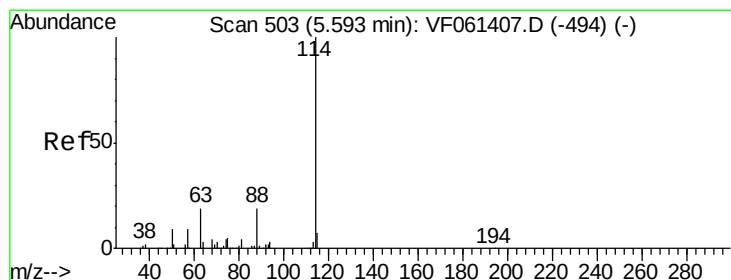
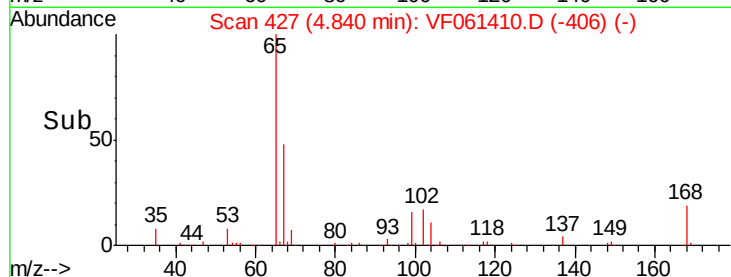
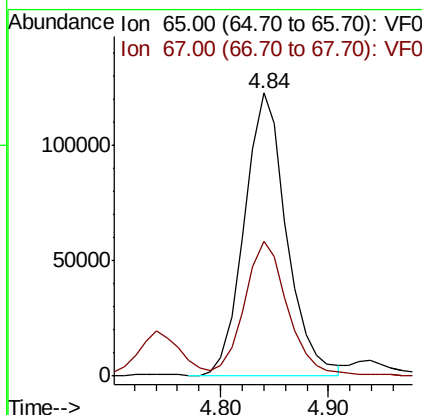
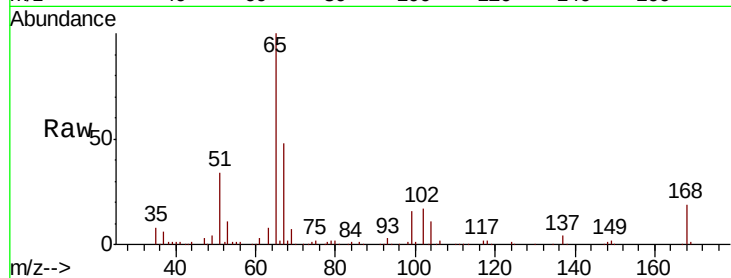




#33
 1,2-Dichloroethane-d4
 Concen: 156.830 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

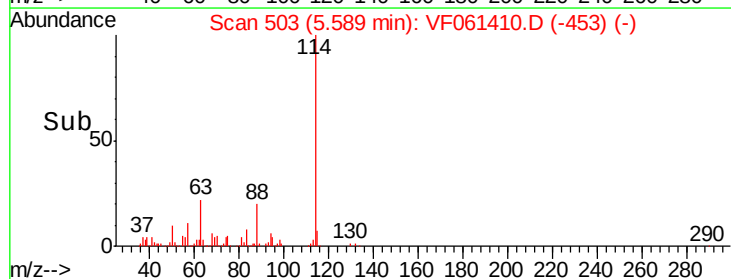
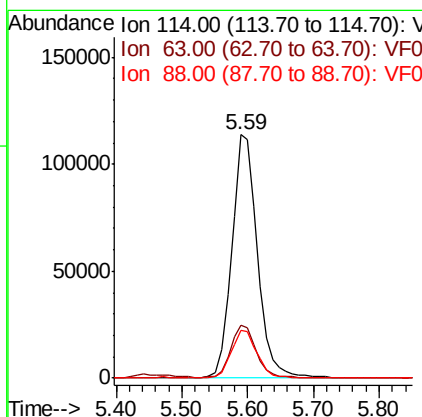
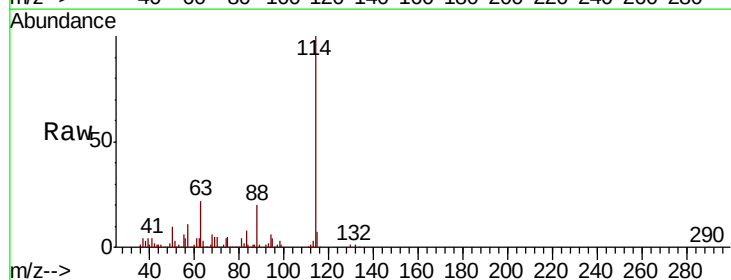
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

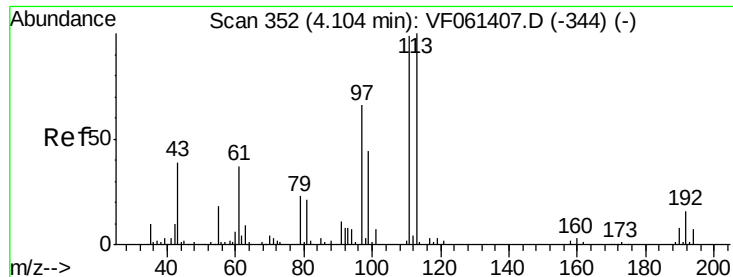
Tgt Ion: 65 Resp: 333613
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion: 114 Resp: 309412
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 39.0
 88 19.6 0.0 37.4

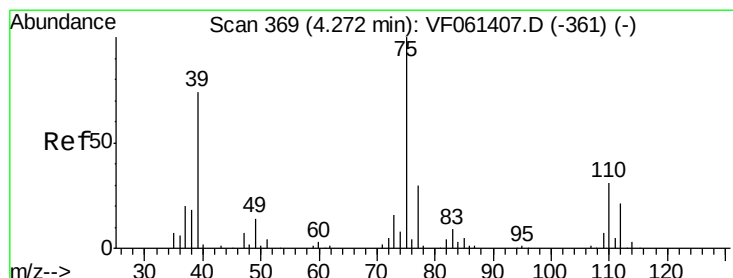
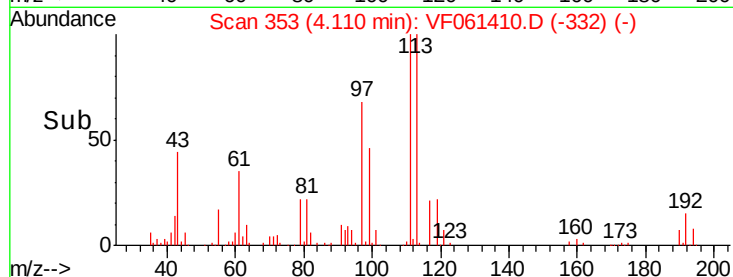
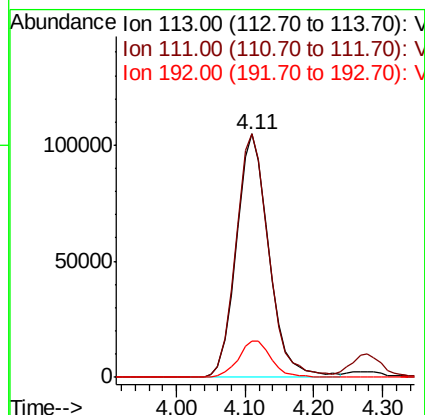
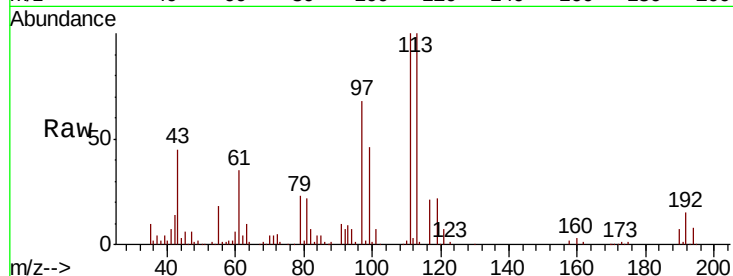




#35
 Dibromofluoromethane
 Concen: 136.753 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

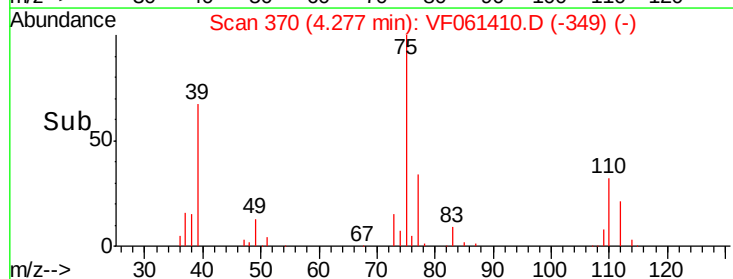
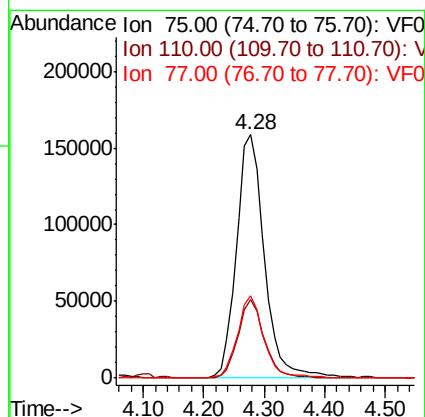
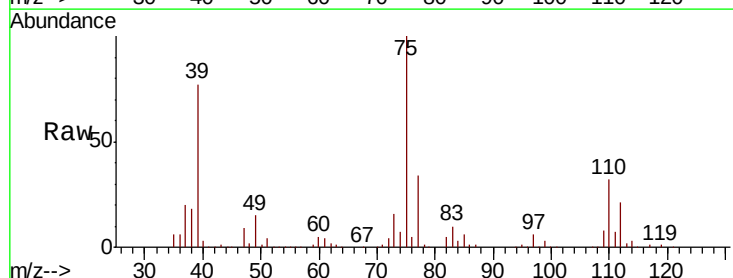
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

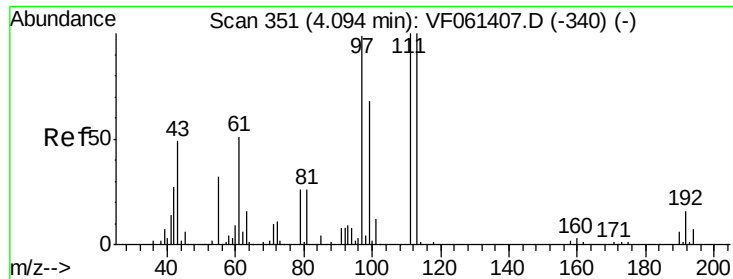
Tgt Ion: 113 Resp: 342040
 Ion Ratio Lower Upper
 113 100
 111 100.2 79.4 119.0
 192 15.0 12.4 18.6



#36
 1,1-Dichloropropene
 Concen: 138.453 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion: 75 Resp: 508012
 Ion Ratio Lower Upper
 75 100
 110 32.2 15.8 47.3
 77 33.8 24.0 36.0





#37

Ethyl Acetate

Concen: 127.505 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.02 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

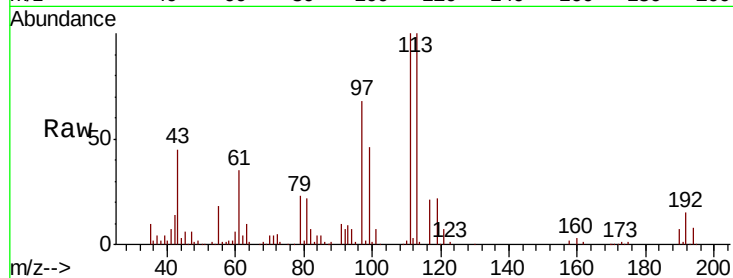
Tgt Ion: 43 Resp: 189958

Ion Ratio Lower Upper

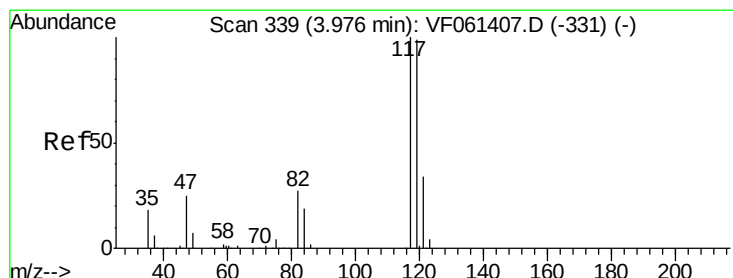
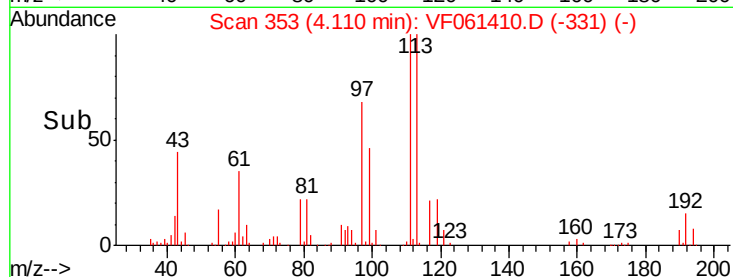
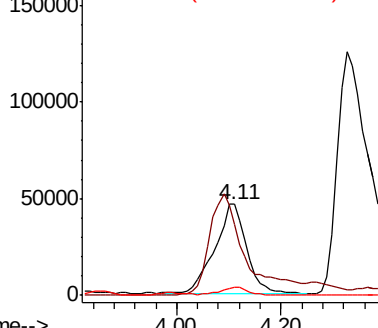
43 100

61 77.7 81.7 122.5#

70 8.4 6.2 9.2



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 109.214 ug/l

RT: 3.98 min Scan# 340

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

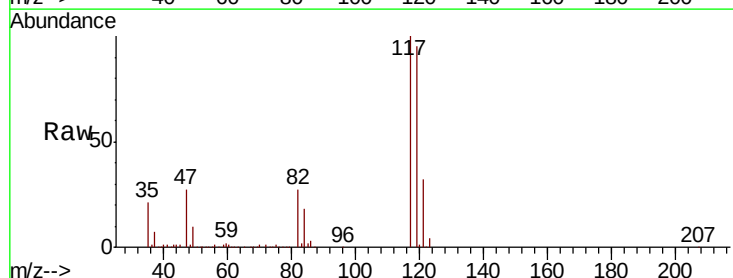
Tgt Ion: 117 Resp: 434141

Ion Ratio Lower Upper

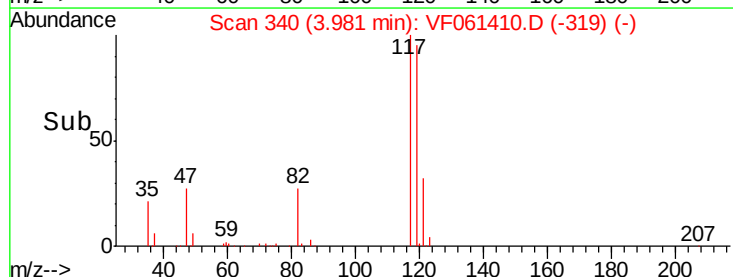
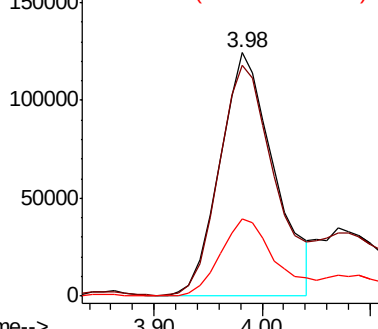
117 100

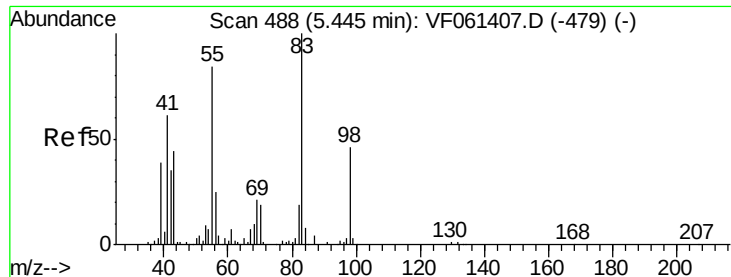
119 94.5 79.0 118.6

121 31.7 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

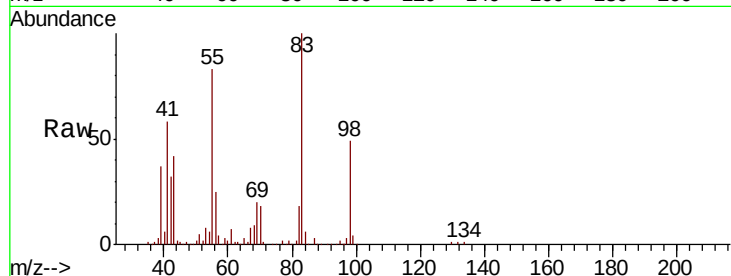




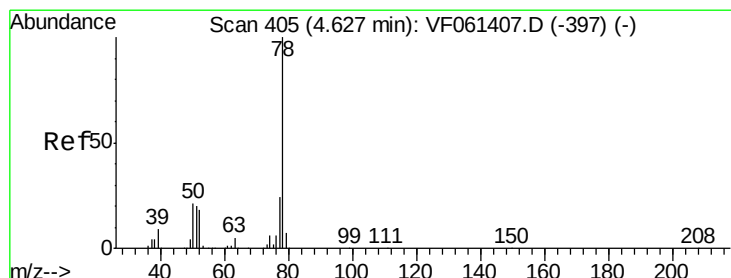
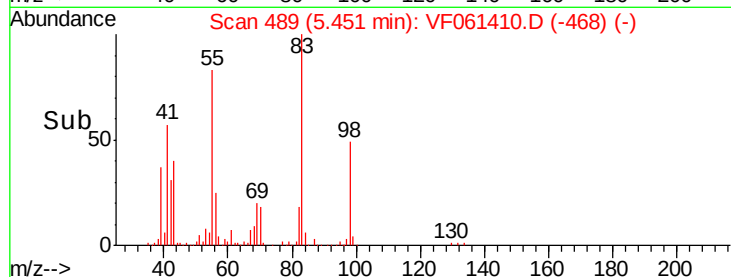
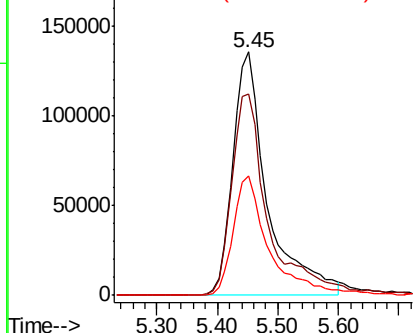
#39
Methylcyclohexane
Concen: 133.779 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 541934
Ion Ratio Lower Upper
83 100
55 82.8 67.4 101.2
98 48.9 36.7 55.1

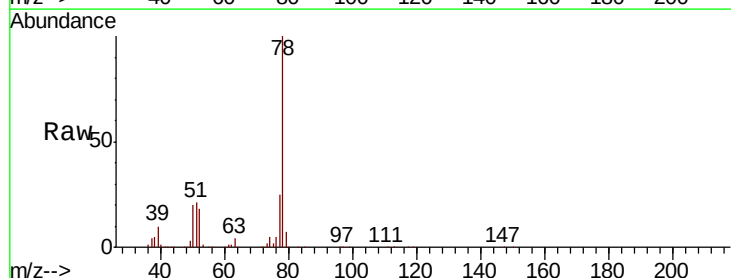


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

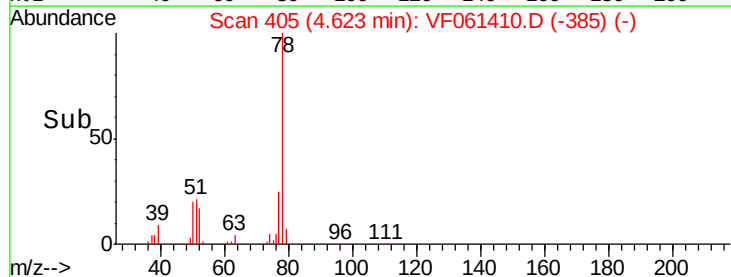
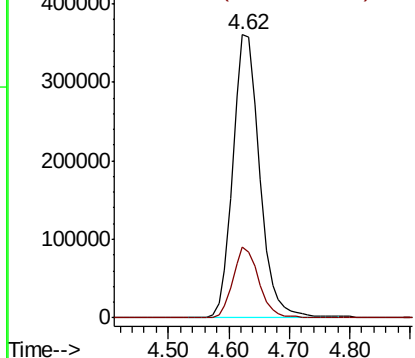


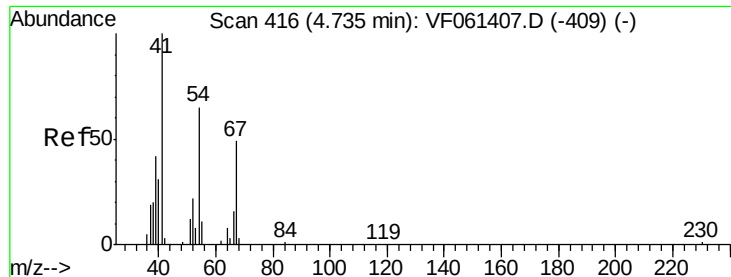
#40
Benzene
Concen: 133.991 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion: 78 Resp: 1114914
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.6



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

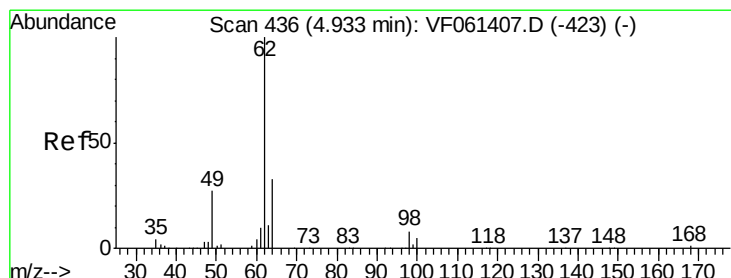
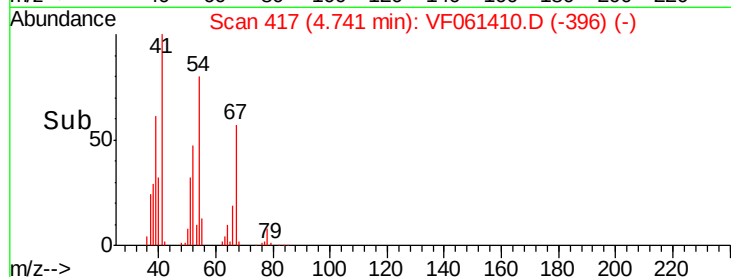
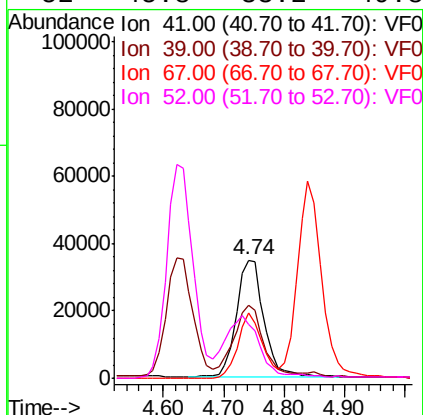
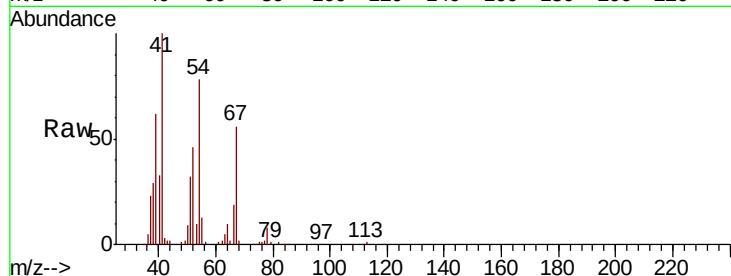




#41
Methacrylonitrile
Concen: 139.770 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

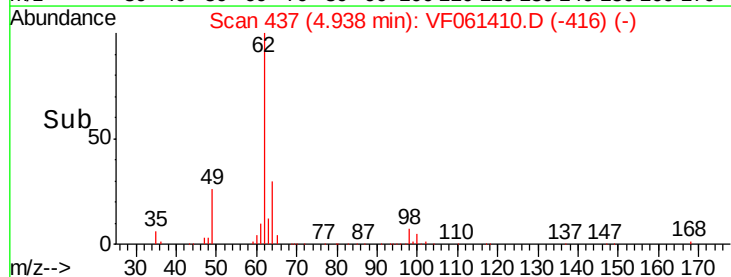
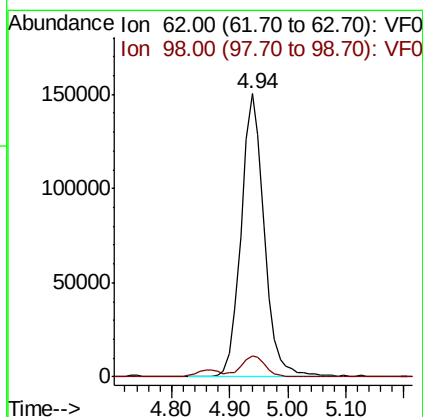
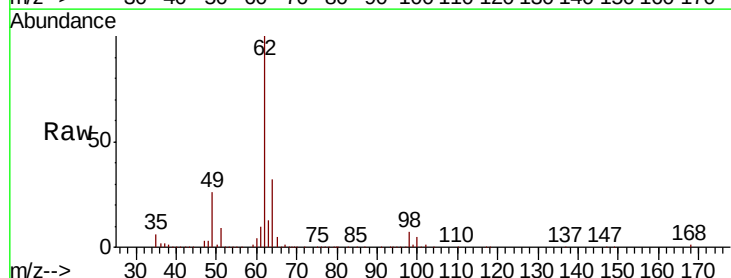
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

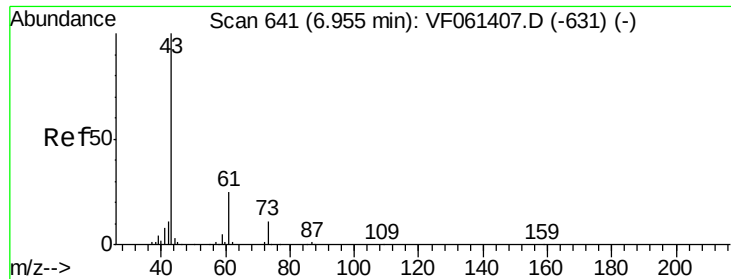
Tgt Ion:	41	Resp:	109680
Ion	Ratio	Lower	Upper
41	100		
39	61.9	43.1	64.7
67	55.6	38.8	58.2
52	45.8	33.2	49.8



#42
1,2-Dichloroethane
Concen: 144.915 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion:	62	Resp:	417931
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	17.0





#43

Isopropyl Acetate

Concen: 151.655 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

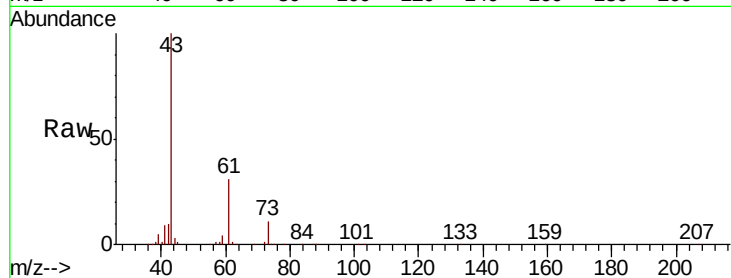
Tgt Ion: 43 Resp: 270156

Ion Ratio Lower Upper

43 100

61 30.5 20.3 30.5#

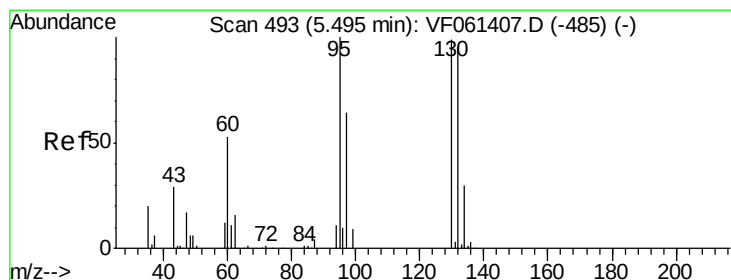
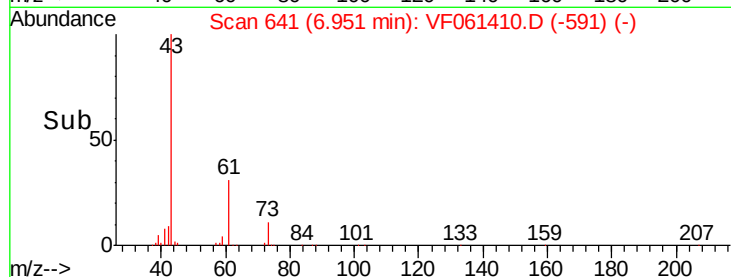
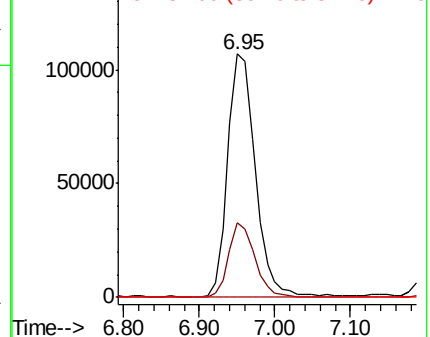
87 0.4 0.5 0.7#



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: 133.796 ug/l

RT: 5.50 min Scan# 494

Delta R.T. 0.01 min

Lab File: VF061410.D

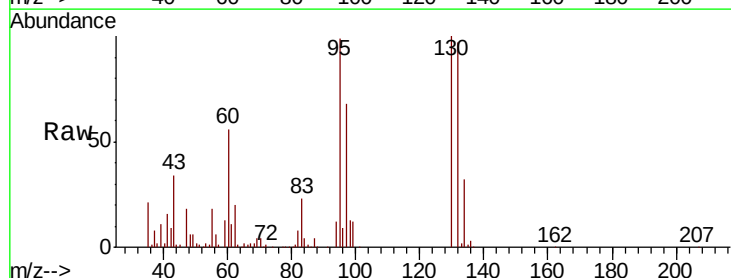
Acq: 15 Jan 2019 16:53

Tgt Ion:130 Resp: 342006

Ion Ratio Lower Upper

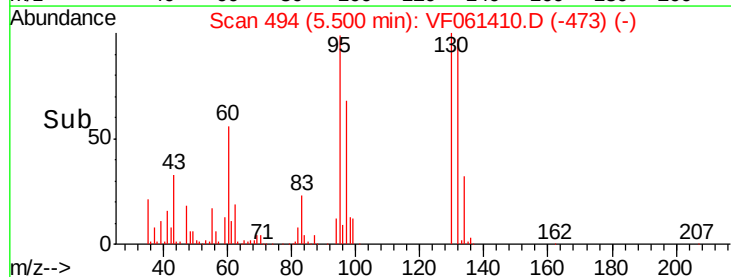
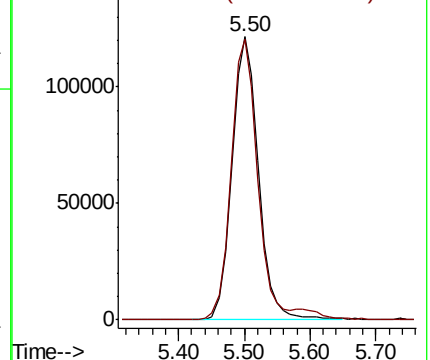
130 100

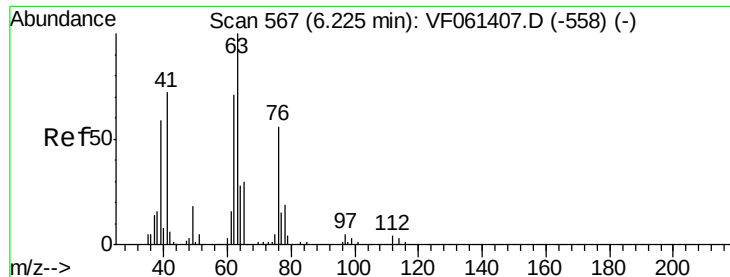
95 99.0 0.0 202.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

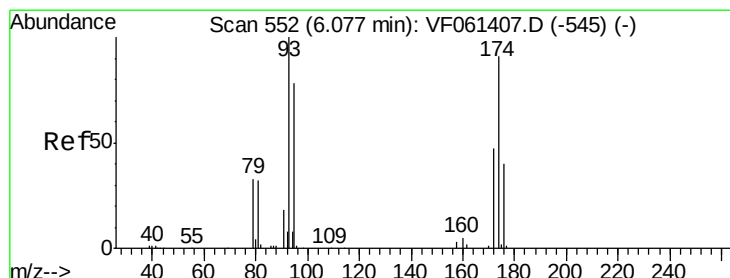
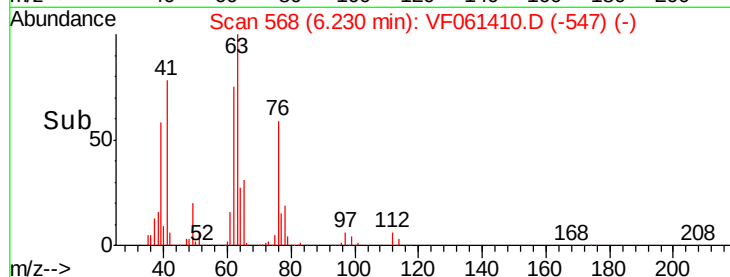
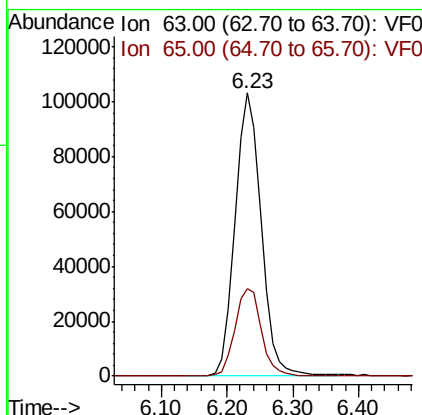
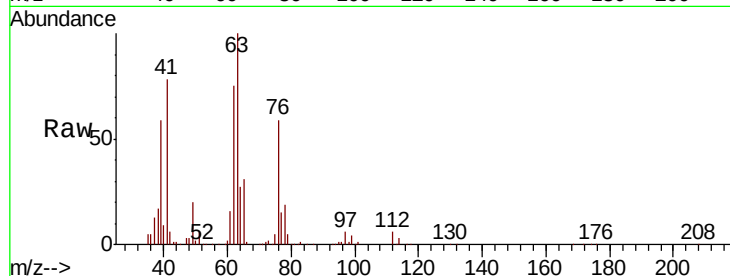




#45
 1,2-Dichloropropane
 Concen: 135.646 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

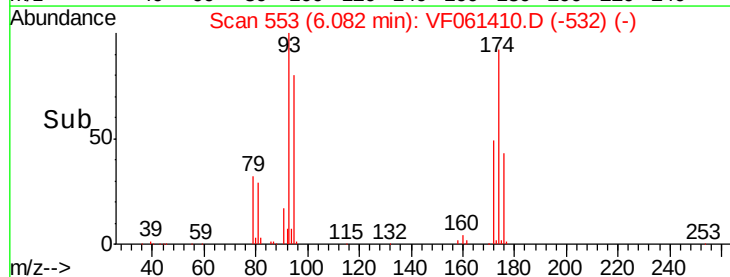
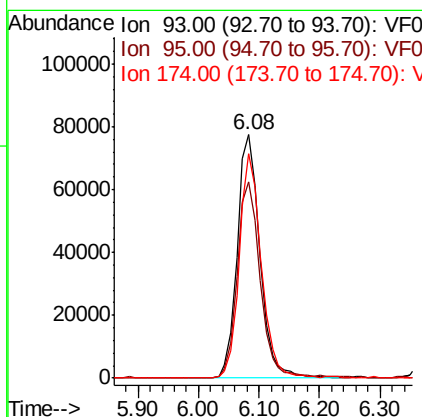
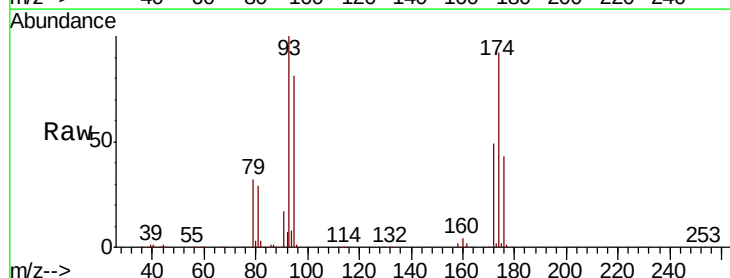
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

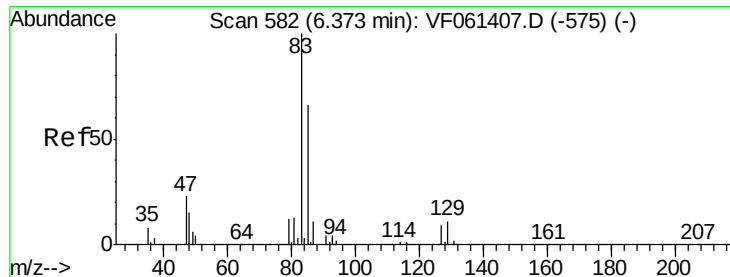
Tgt Ion: 63 Resp: 289325
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.4 36.6



#46
 Dibromomethane
 Concen: 144.765 ug/l
 RT: 6.08 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion: 93 Resp: 202439
 Ion Ratio Lower Upper
 93 100
 95 80.6 62.1 93.1
 174 91.9 74.6 111.8





#47

Bromodichloromethane

Concen: 150.816 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

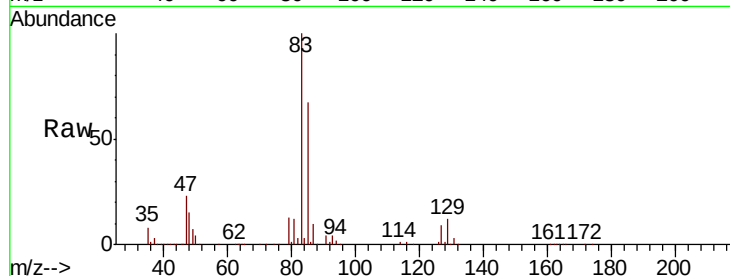
Tgt Ion: 83 Resp: 516055

Ion Ratio Lower Upper

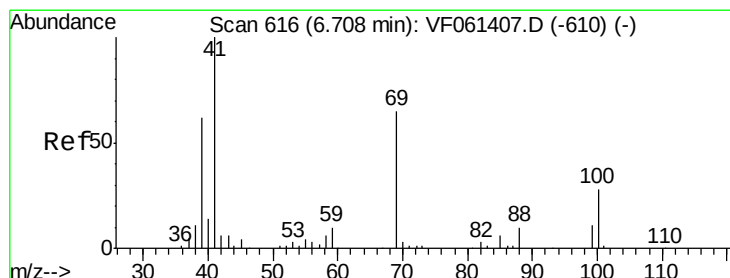
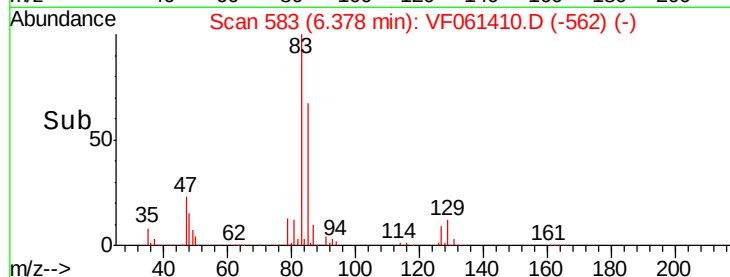
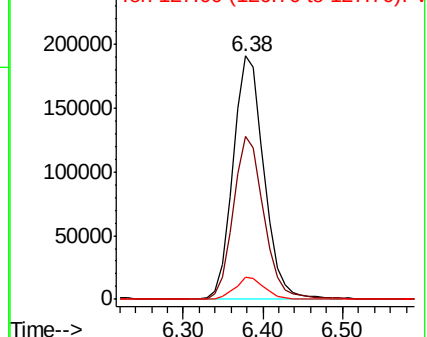
83 100

85 66.8 53.0 79.4

127 9.2 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 151.419 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

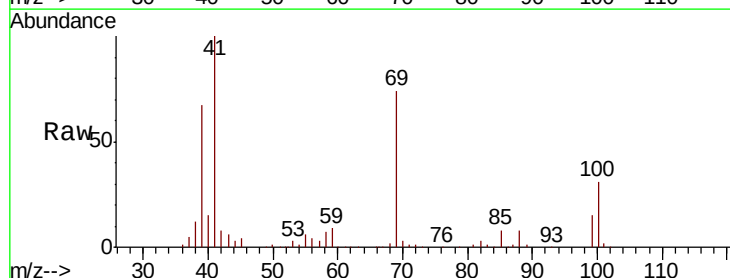
Tgt Ion: 41 Resp: 182105

Ion Ratio Lower Upper

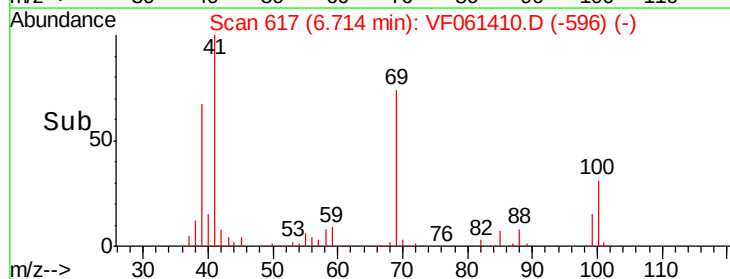
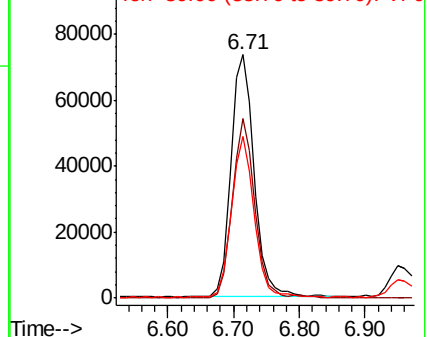
41 100

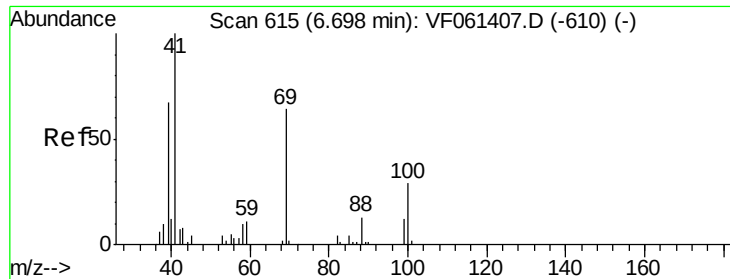
69 73.9 51.7 77.5

39 66.5 49.2 73.8



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

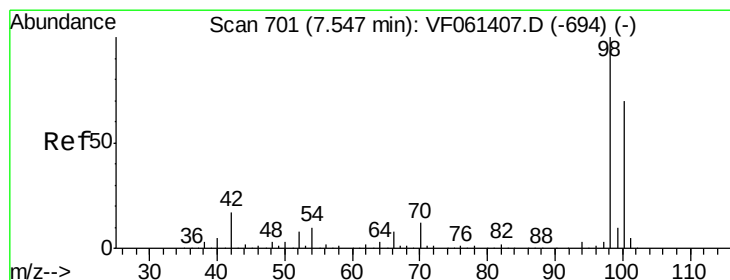
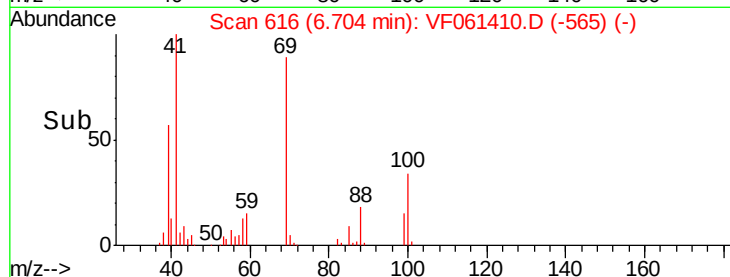
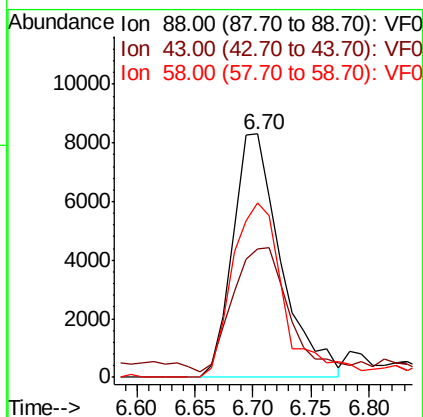
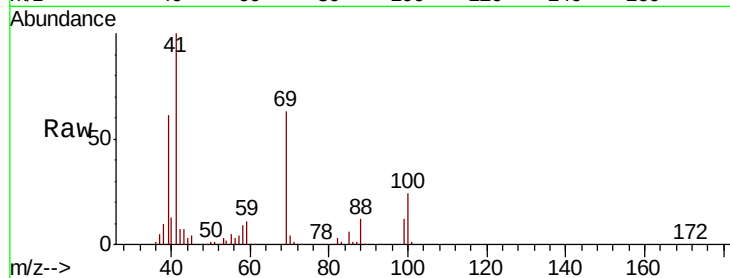




#49
1,4-Dioxane
Concen: 2648.037 ug/l
RT: 6.70 min Scan# 616
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

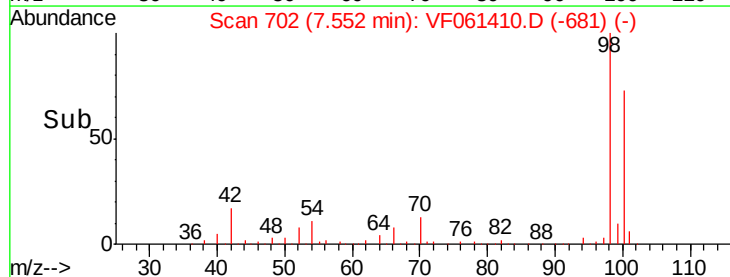
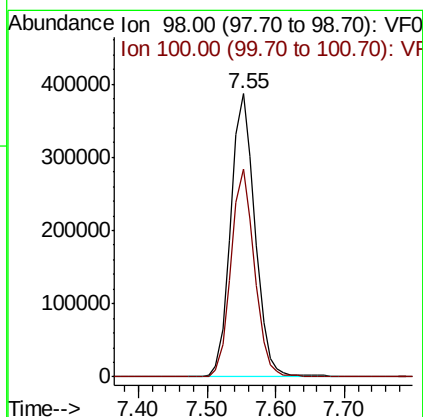
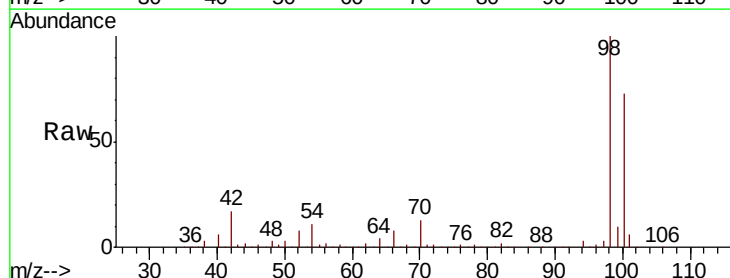
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

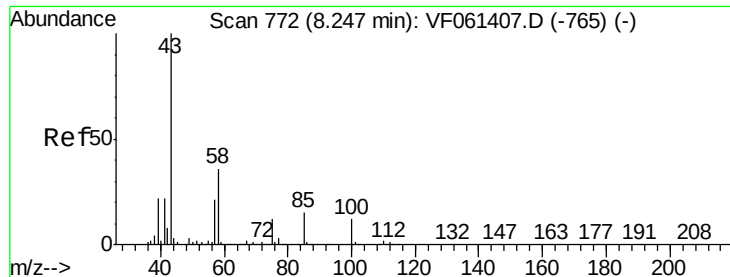
Tgt Ion: 88 Resp: 23787
Ion Ratio Lower Upper
88 100
43 52.8 55.5 83.3#
58 71.9 59.9 89.9



#50
Toluene-d8
Concen: 139.717 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion: 98 Resp: 944622
Ion Ratio Lower Upper
98 100
100 73.2 55.6 83.4

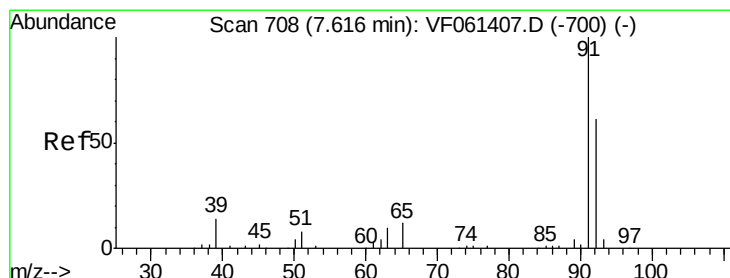
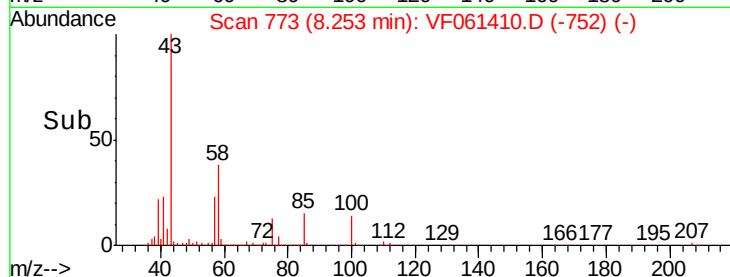
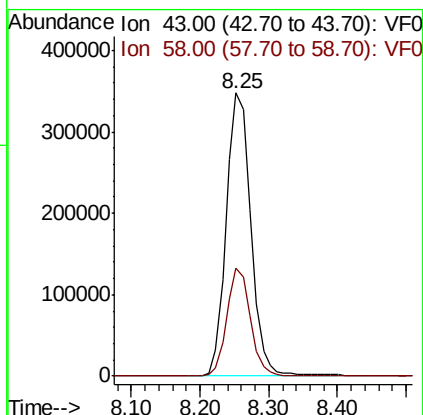
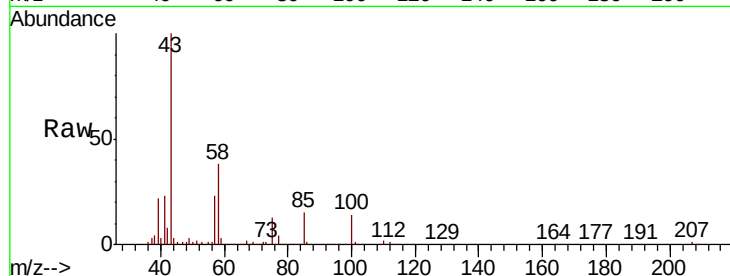




#51
 4-Methyl-2-Pentanone
 Concen: 617.074 ug/l
 RT: 8.25 min Scan# 773
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

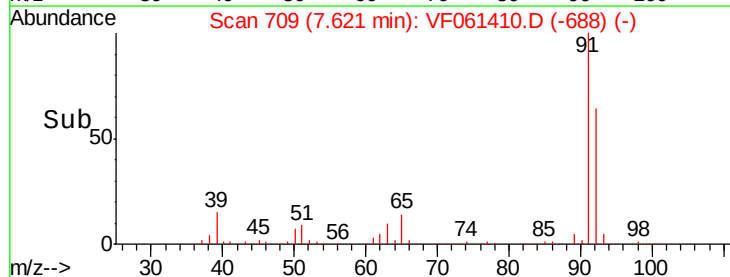
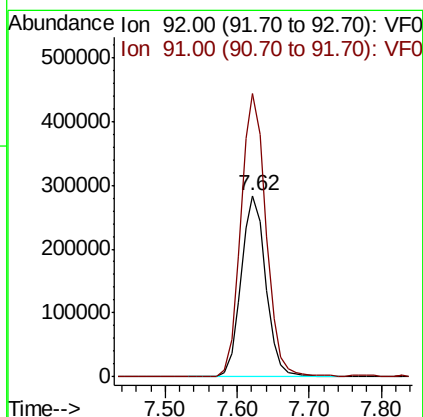
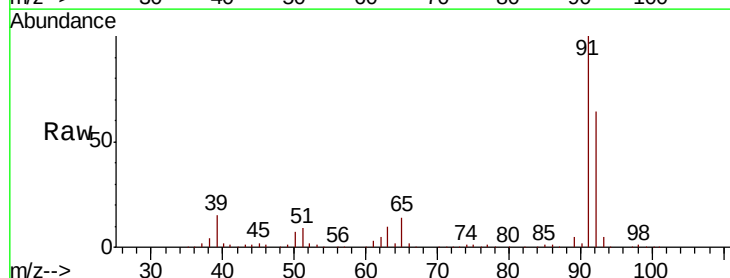
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

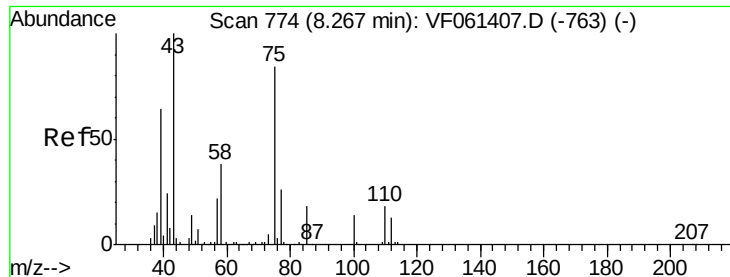
Tgt Ion: 43 Resp: 860882
 Ion Ratio Lower Upper
 43 100
 58 38.3 28.8 43.2



#52
 Toluene
 Concen: 123.080 ug/l
 RT: 7.62 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion: 92 Resp: 680061
 Ion Ratio Lower Upper
 92 100
 91 156.3 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 142.162 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

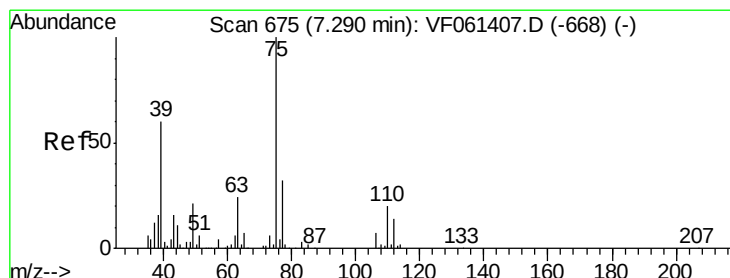
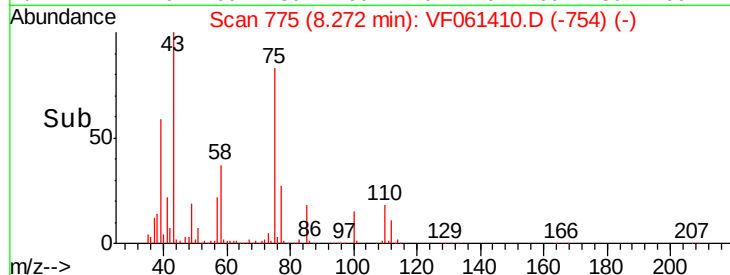
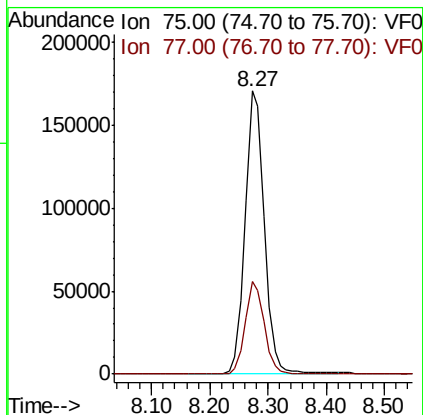
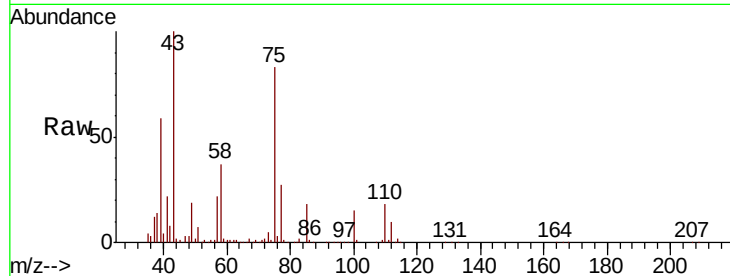
VSTDIC150

Tgt Ion: 75 Resp: 392421

Ion Ratio Lower Upper

75 100

77 32.9 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 139.185 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

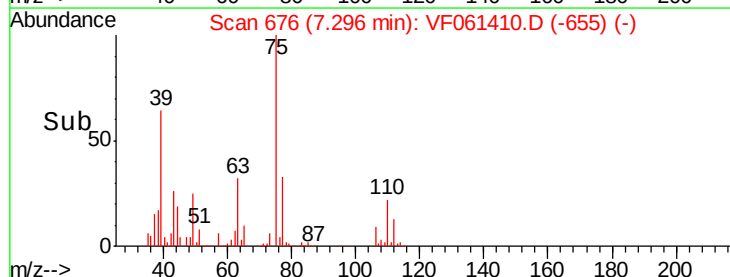
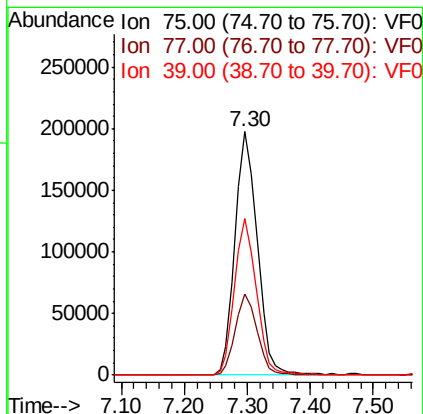
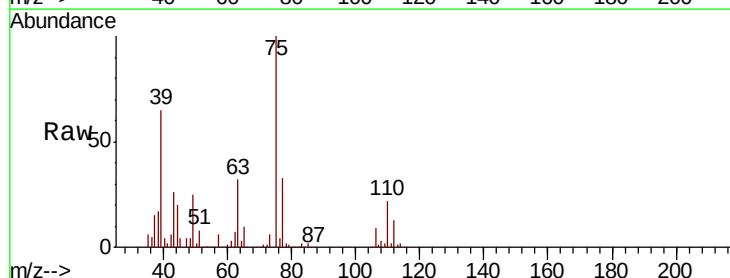
Tgt Ion: 75 Resp: 483236

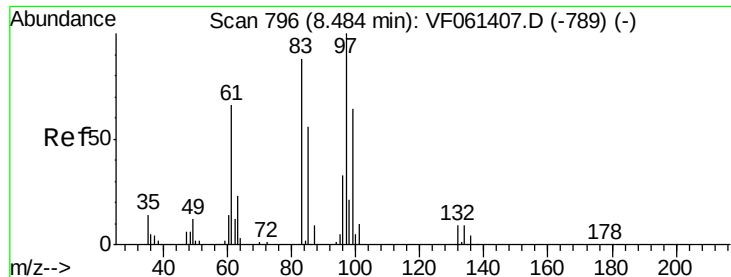
Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.0

39 64.6 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 144.235 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 216600

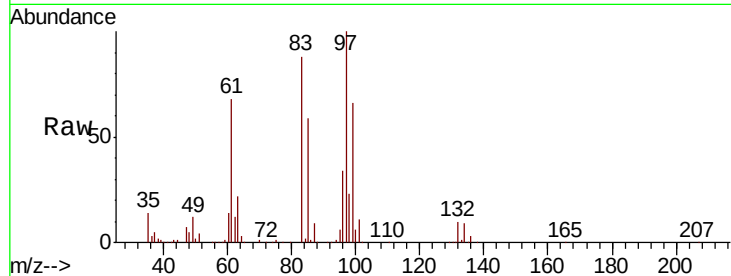
Ion Ratio Lower Upper

97 100

83 87.7 70.4 105.6

85 58.7 44.7 67.1

99 65.6 50.8 76.2

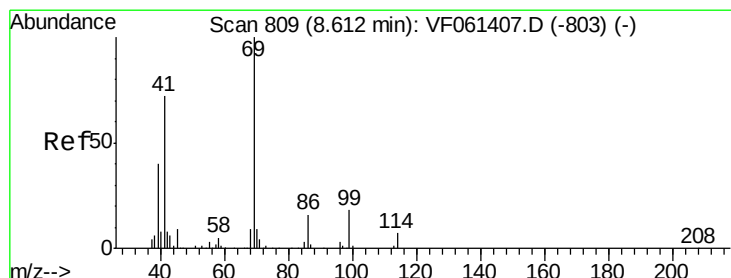
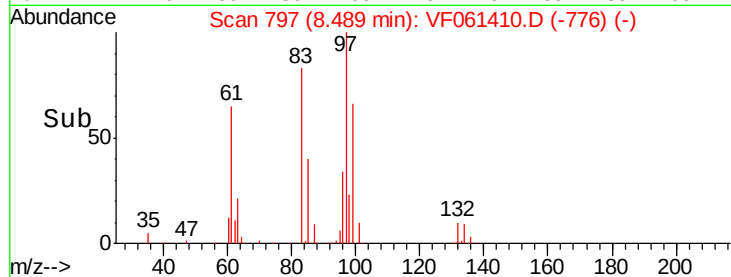
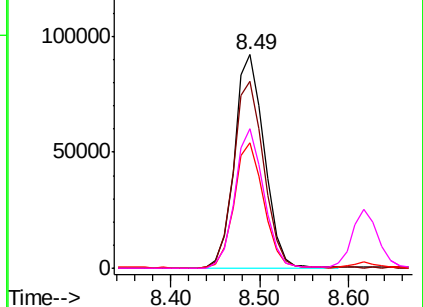


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 152.531 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

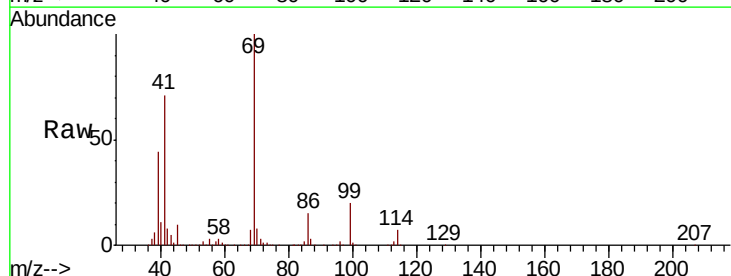
Tgt Ion: 69 Resp: 262499

Ion Ratio Lower Upper

69 100

41 71.3 57.5 86.3

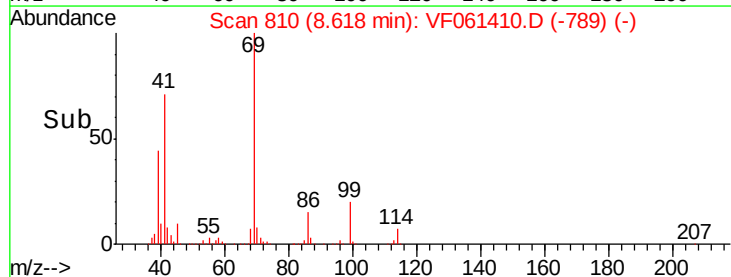
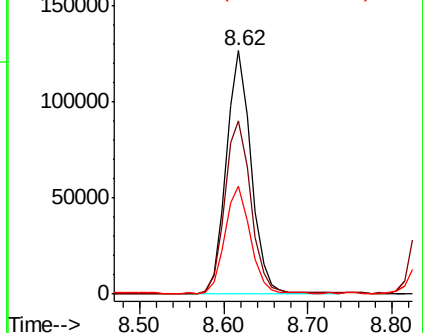
39 44.4 32.0 48.0

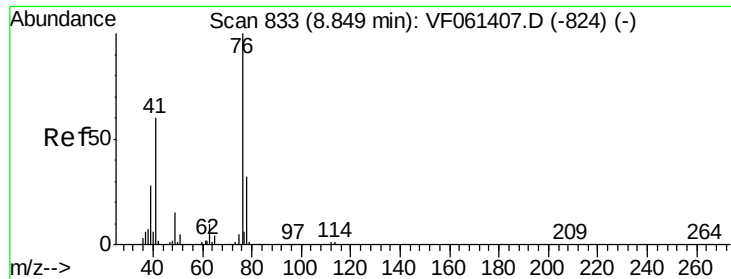


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 147.332 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

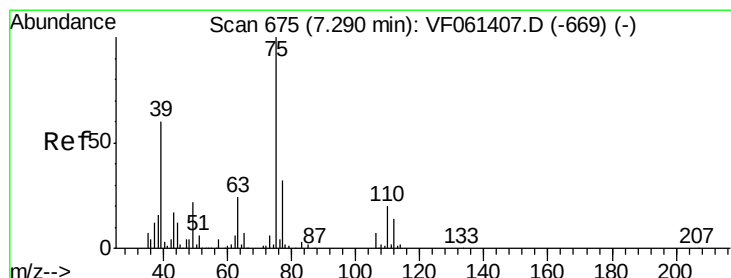
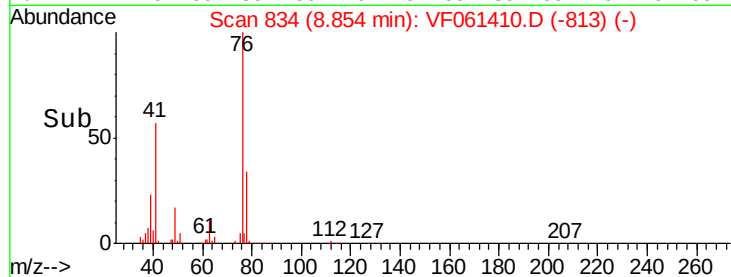
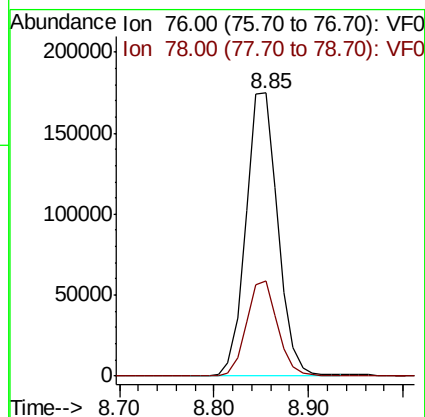
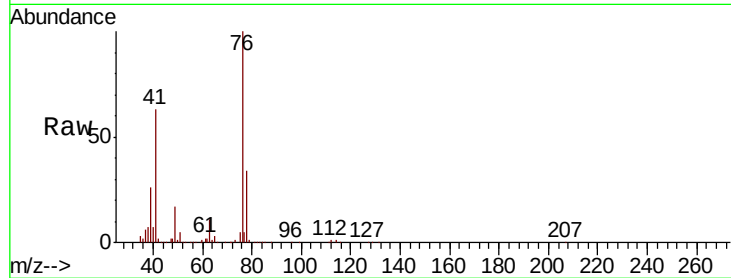
VSTDIC150

Tgt Ion: 76 Resp: 410423

Ion Ratio Lower Upper

76 100

78 33.5 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 1252.595 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061410.D

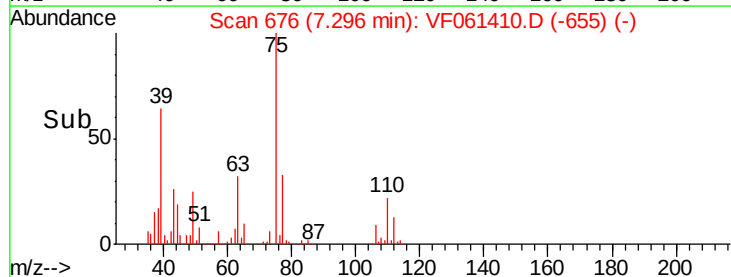
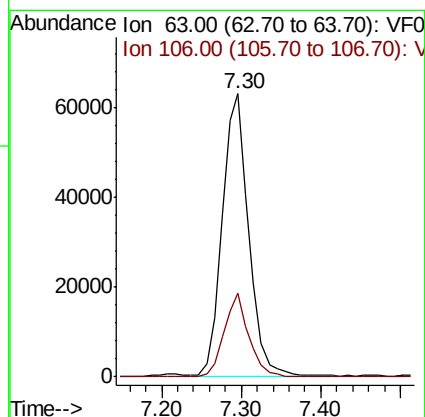
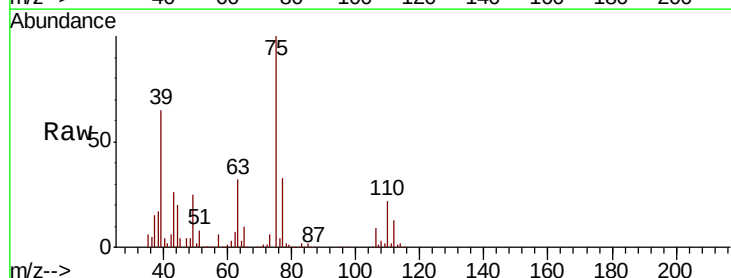
Acq: 15 Jan 2019 16:53

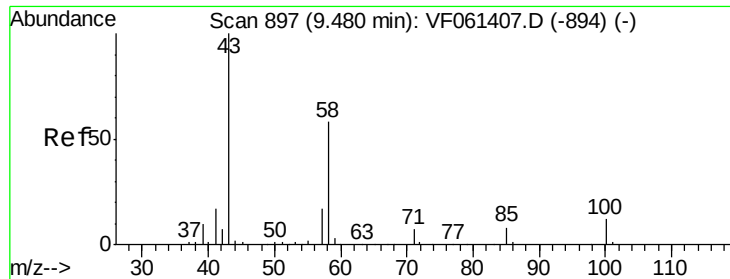
Tgt Ion: 63 Resp: 145831

Ion Ratio Lower Upper

63 100

106 29.4 21.9 32.9

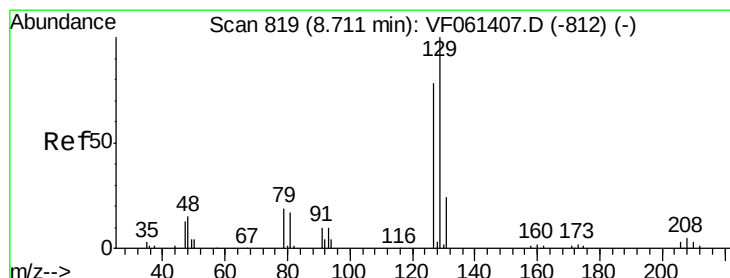
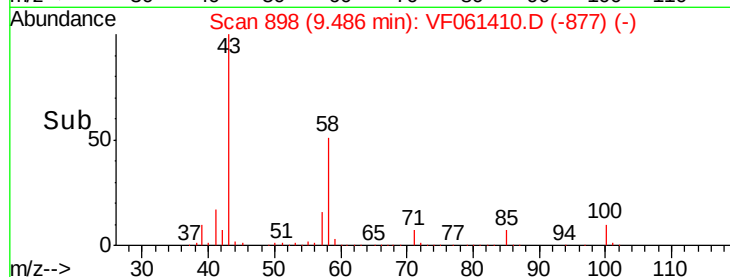
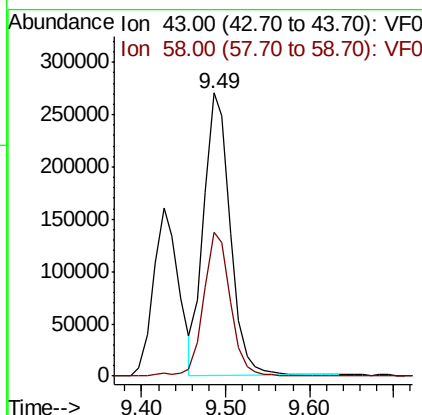
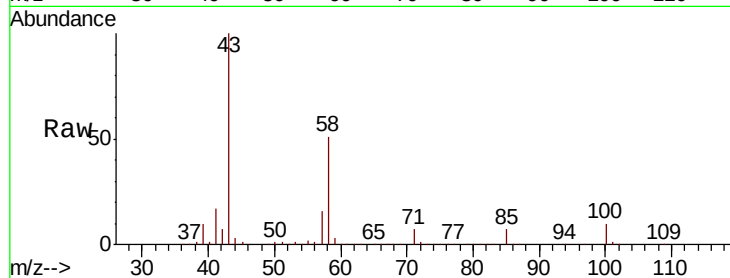




#59
 2-Hexanone
 Concen: 604.222 ug/l
 RT: 9.49 min Scan# 898
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

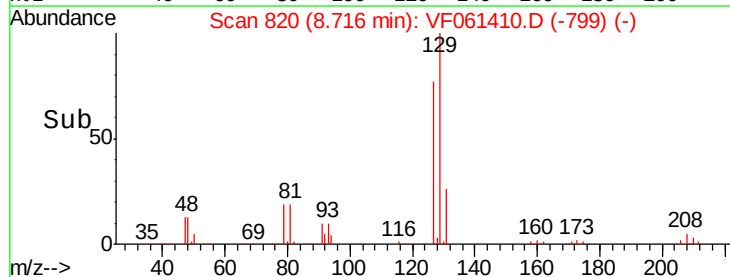
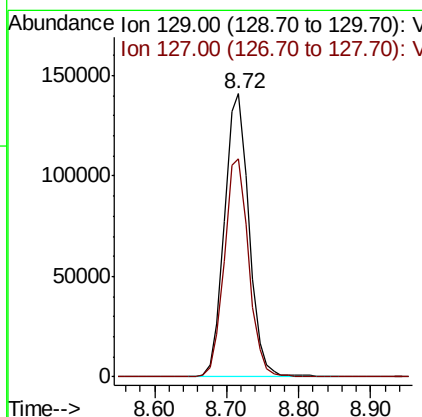
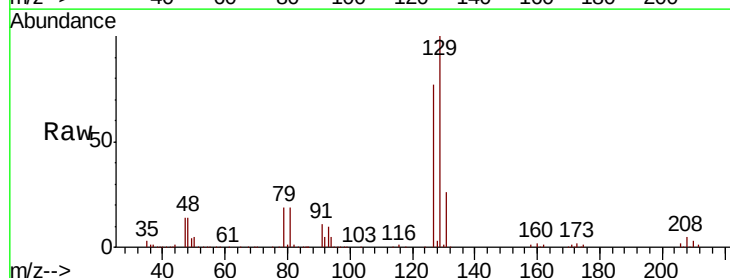
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

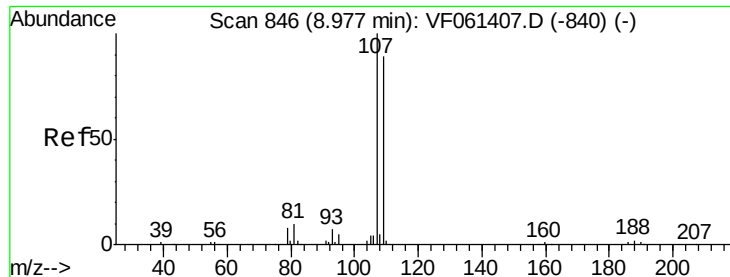
Tgt Ion: 43 Resp: 586755
 Ion Ratio Lower Upper
 43 100
 58 50.7 25.9 77.6



#60
 Dibromochloromethane
 Concen: 156.266 ug/l
 RT: 8.72 min Scan# 820
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion: 129 Resp: 333525
 Ion Ratio Lower Upper
 129 100
 127 77.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 143.175 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

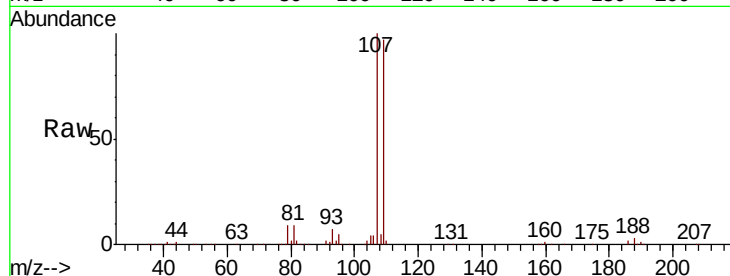
VSTDIC150

Tgt Ion: 107 Resp: 246001

Ion Ratio Lower Upper

107 100

109 96.7 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.98

120000

100000

80000

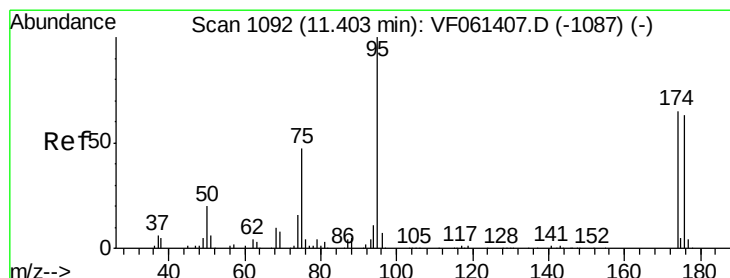
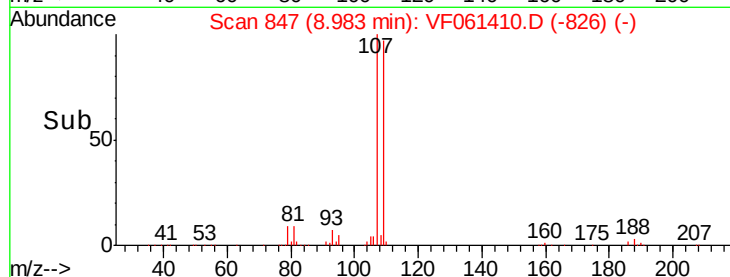
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 129.364 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

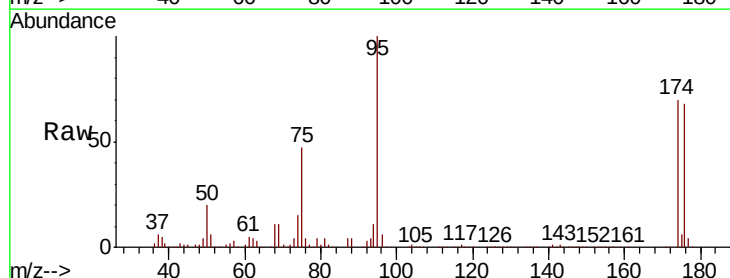
Tgt Ion: 95 Resp: 422536

Ion Ratio Lower Upper

95 100

174 69.7 0.0 130.4

176 67.7 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.41

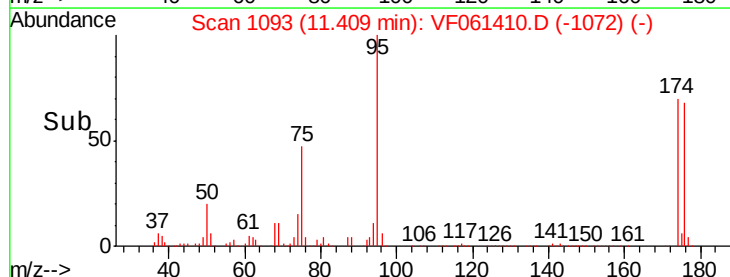
300000

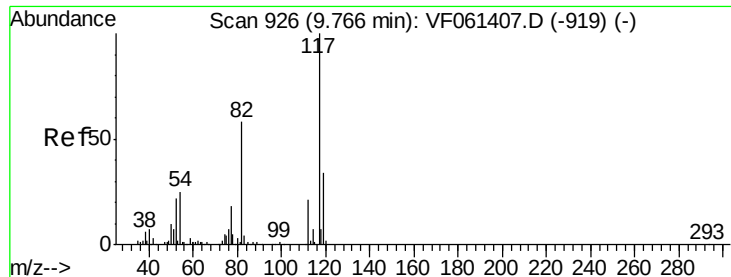
200000

100000

0

Time-->

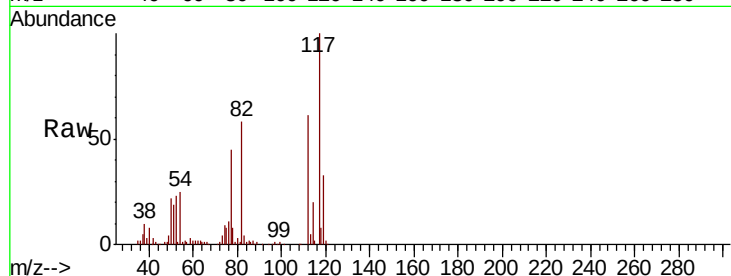




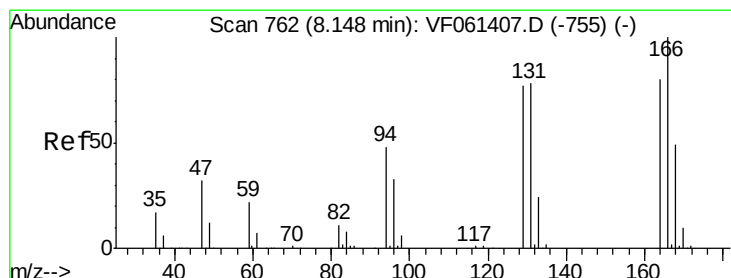
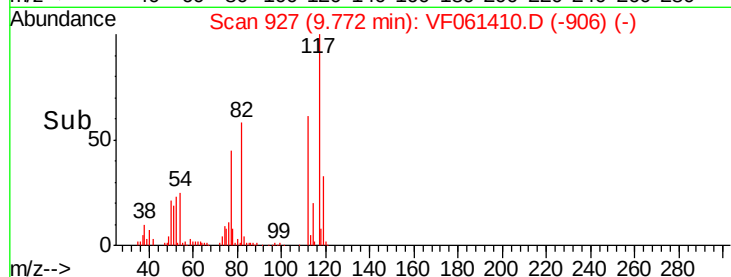
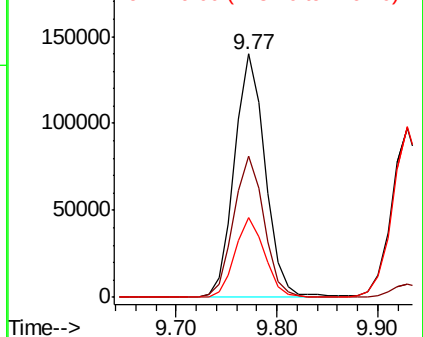
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 296840
Ion Ratio Lower Upper
117 100
82 58.2 46.4 69.6
119 32.7 27.2 40.8

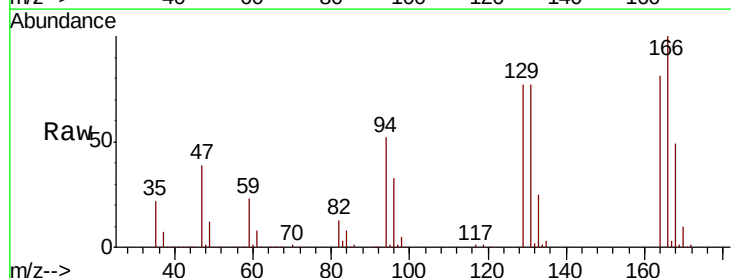


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

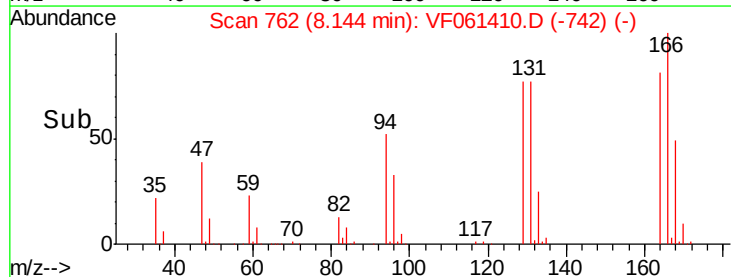
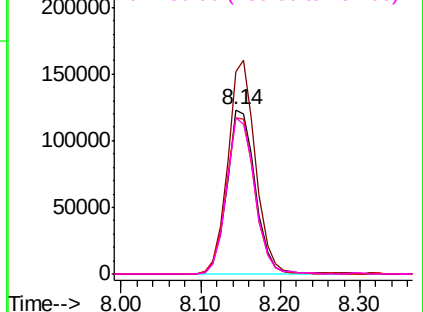


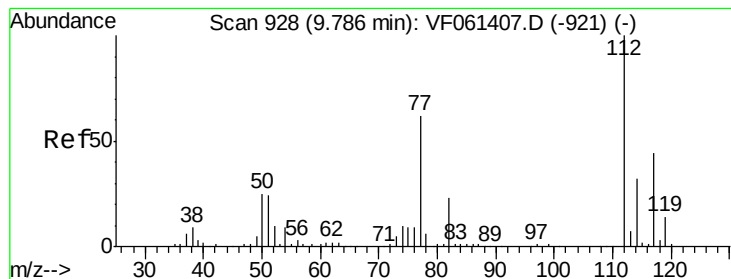
#64
Tetrachloroethene
Concen: 135.060 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion:164 Resp: 305395
Ion Ratio Lower Upper
164 100
166 123.1 99.6 149.4
129 95.0 76.4 114.6
131 94.7 77.9 116.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 127.189 ug/l

RT: 9.80 min Scan# 930

Delta R.T. 0.02 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

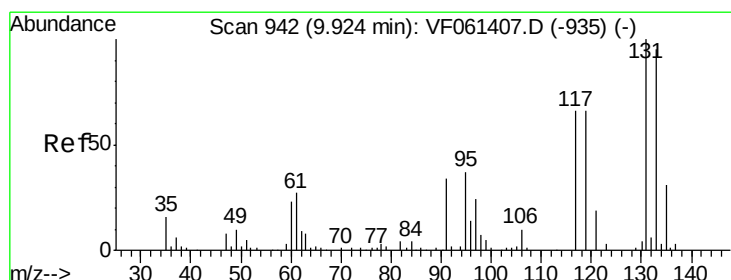
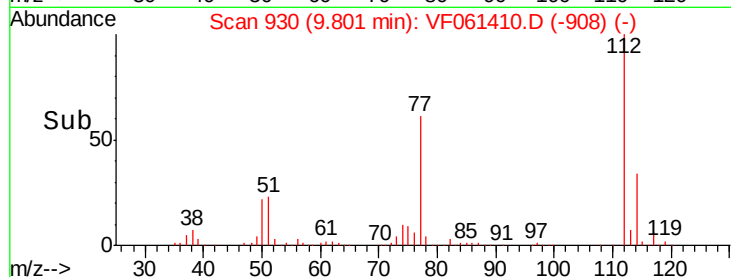
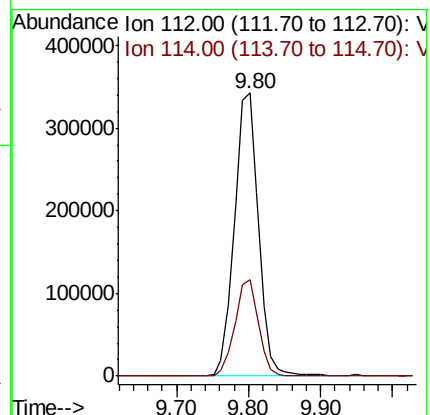
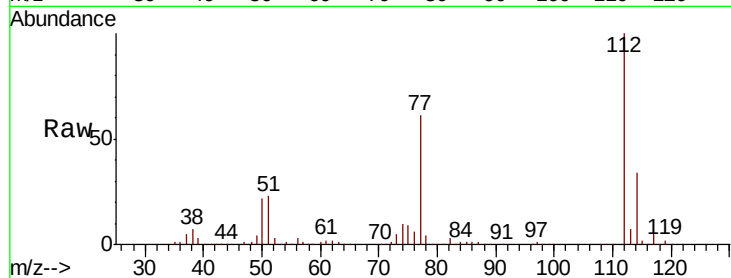
VSTDIC150

Tgt Ion:112 Resp: 800092

Ion Ratio Lower Upper

112 100

114 34.2 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 133.579 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

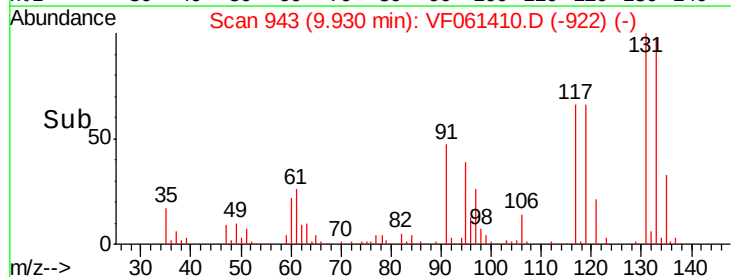
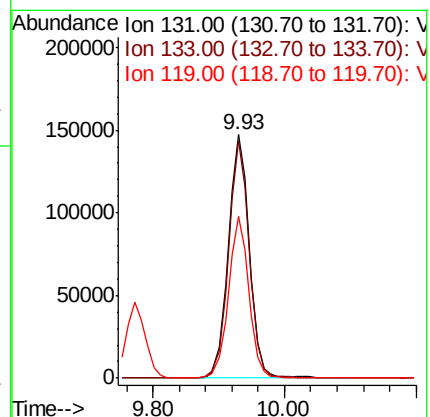
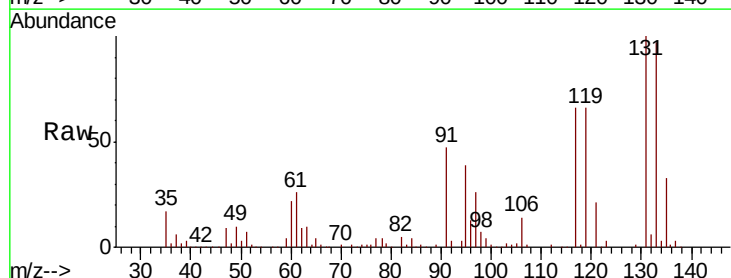
Tgt Ion:131 Resp: 328933

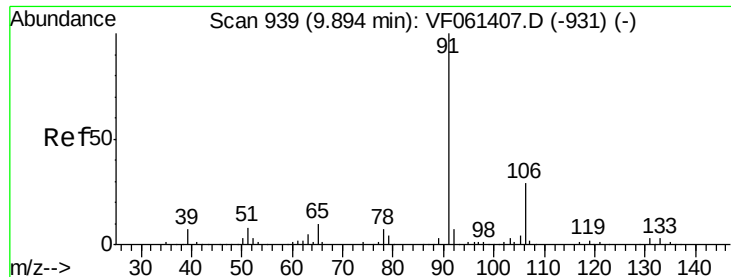
Ion Ratio Lower Upper

131 100

133 97.3 47.4 142.2

119 66.4 33.1 99.3

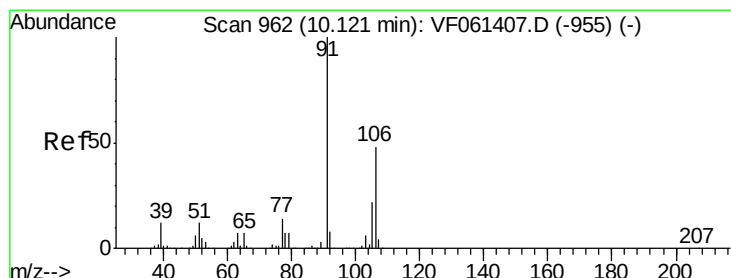
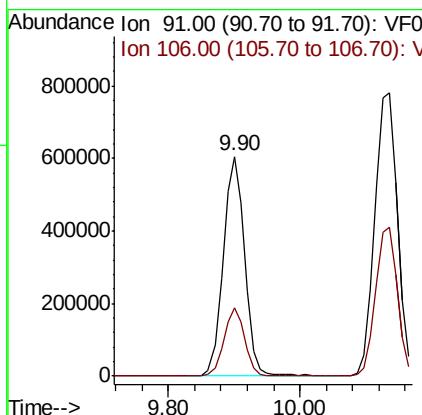
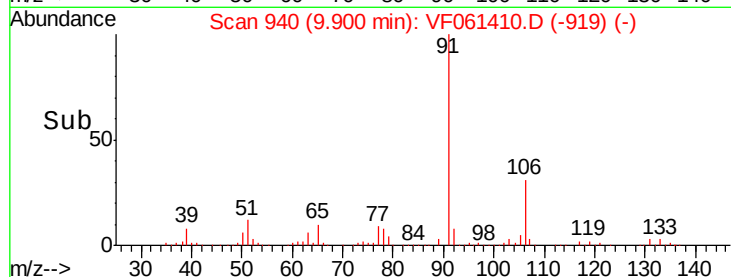
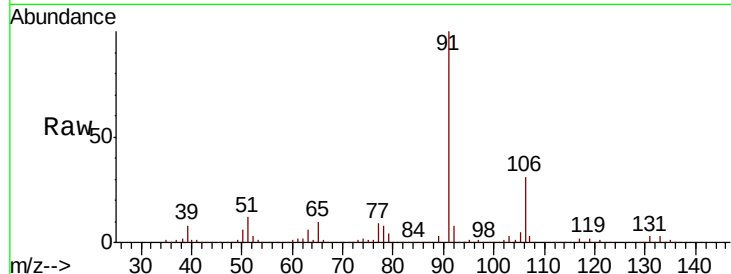




#67
Ethyl Benzene
Concen: 118.337 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

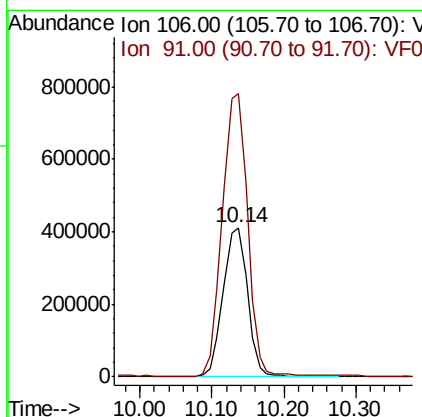
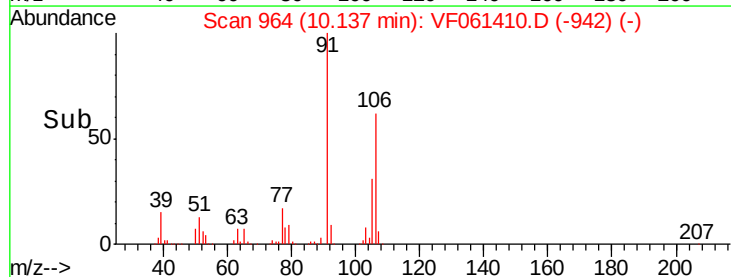
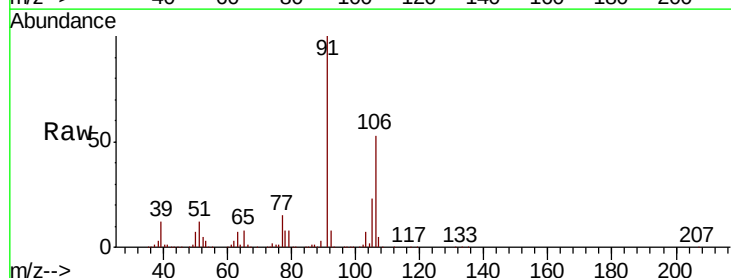
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

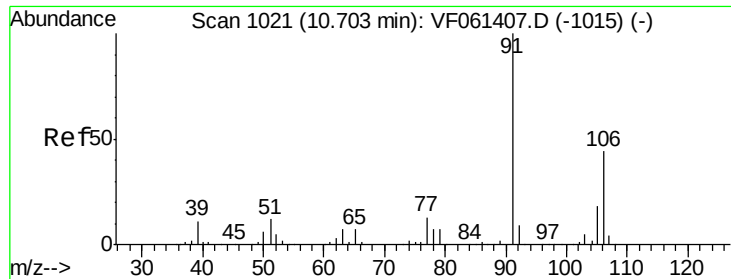
Tgt Ion: 91 Resp: 1378336
Ion Ratio Lower Upper
91 100
106 31.1 23.1 34.7



#68
m/p-Xylenes
Concen: 230.913 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.02 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion: 106 Resp: 970305
Ion Ratio Lower Upper
106 100
91 189.3 166.2 249.4

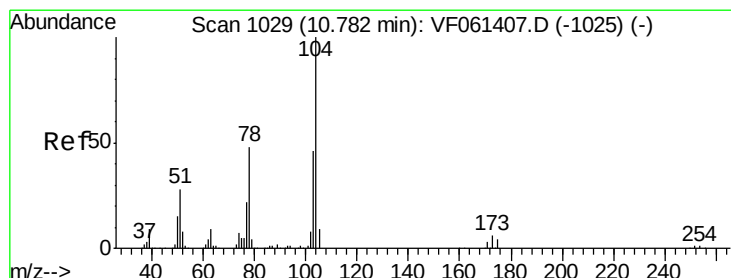
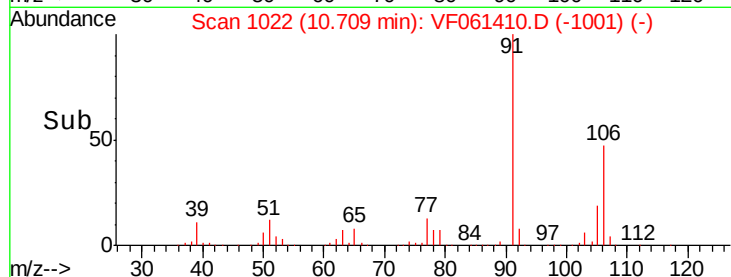
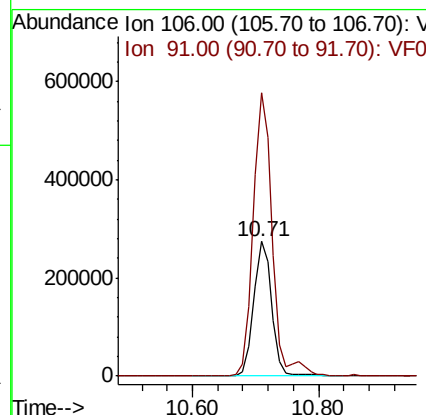
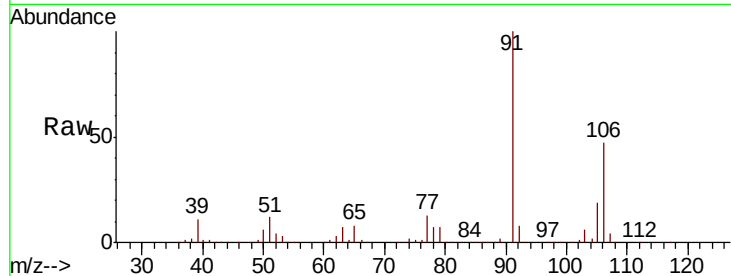




#69
o-Xylene
Concen: 121.774 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

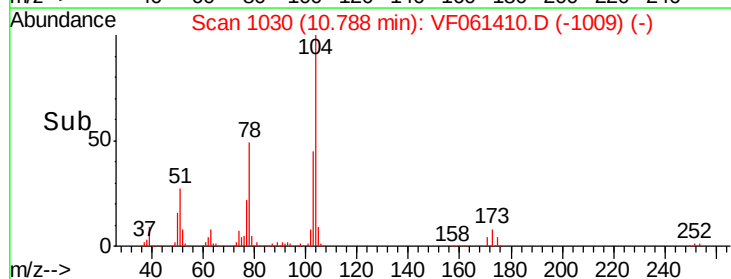
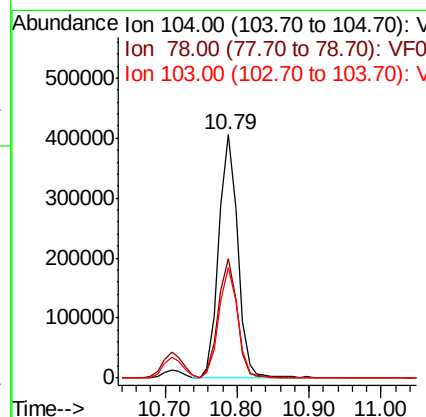
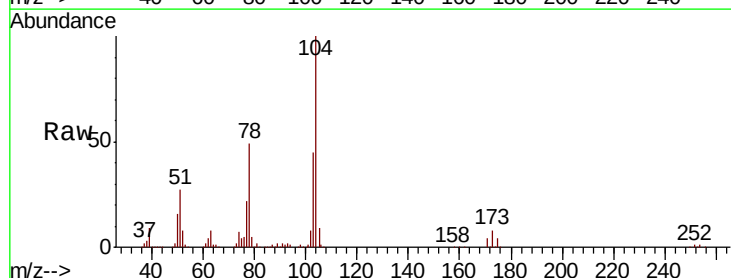
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

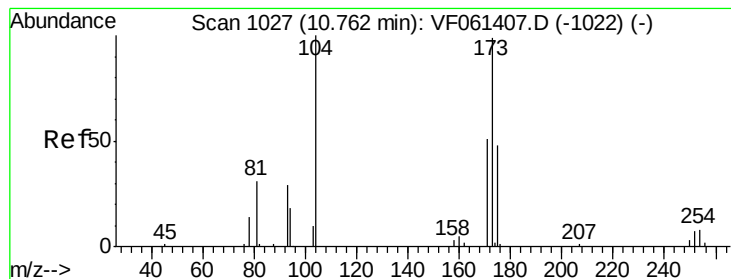
Tgt Ion:106 Resp: 546549
Ion Ratio Lower Upper
106 100
91 210.7 113.3 339.8



#70
Styrene
Concen: 116.650 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion:104 Resp: 726688
Ion Ratio Lower Upper
104 100
78 48.8 38.8 58.2
103 45.2 37.0 55.6





#71

Bromoform

Concen: 150.485 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

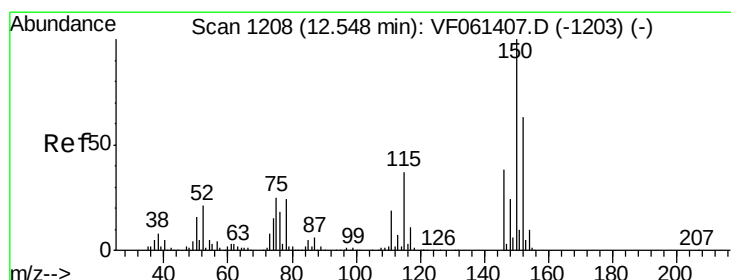
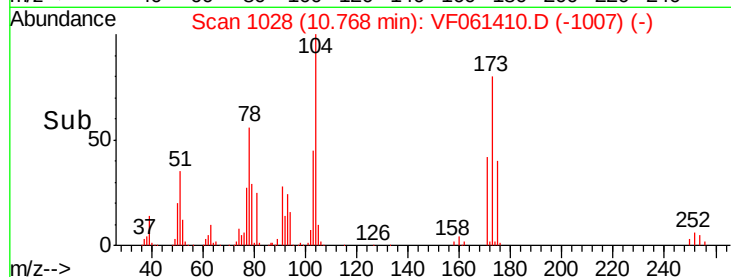
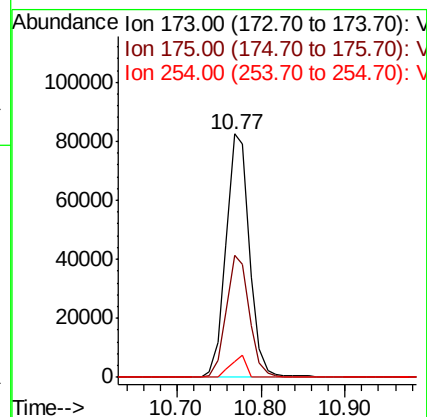
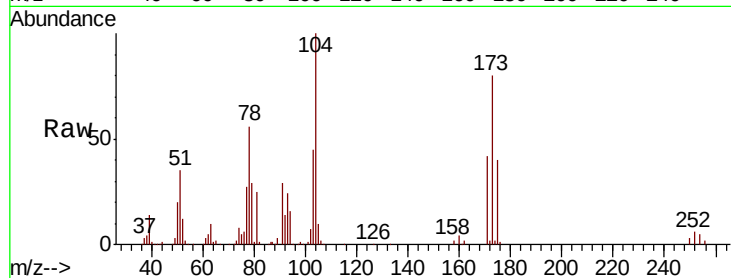
Tgt Ion:173 Resp: 159696

Ion Ratio Lower Upper

173 100

175 50.8 24.1 72.4

254 6.3 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

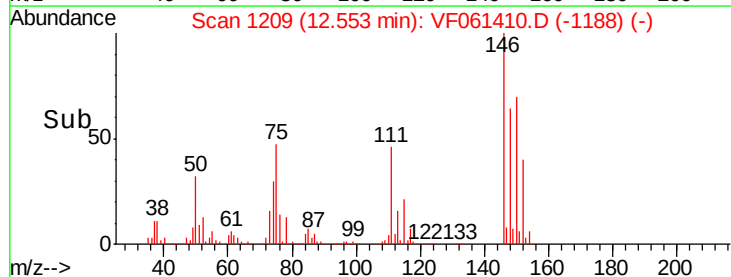
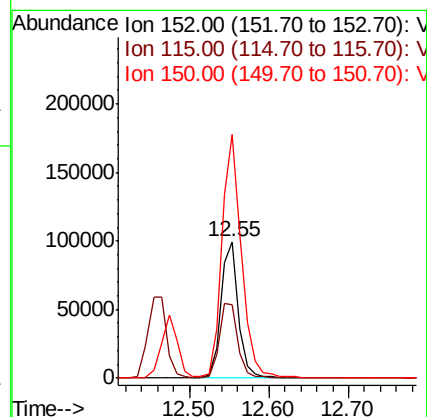
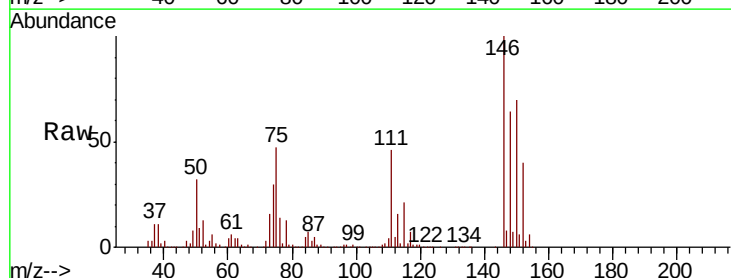
Tgt Ion:152 Resp: 153942

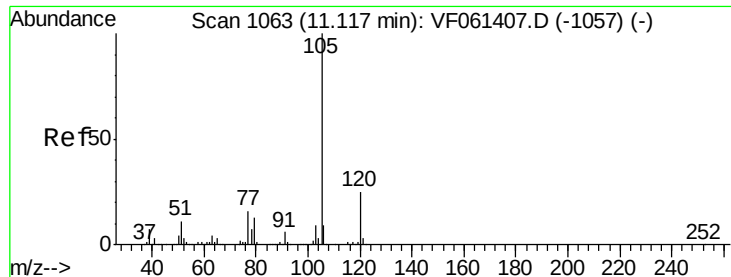
Ion Ratio Lower Upper

152 100

115 53.9 30.0 90.0

150 178.1 0.0 321.4





#73

Isopropylbenzene

Concen: 110.759 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

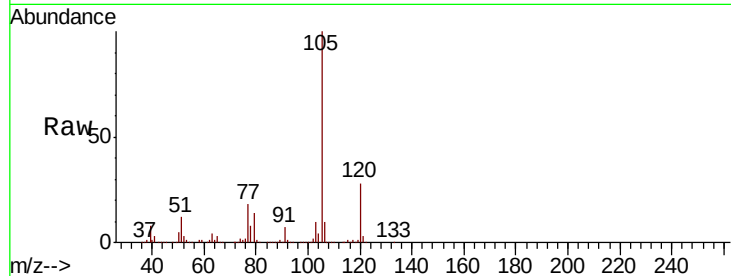
VSTDIC150

Tgt Ion:105 Resp: 1489142

Ion Ratio Lower Upper

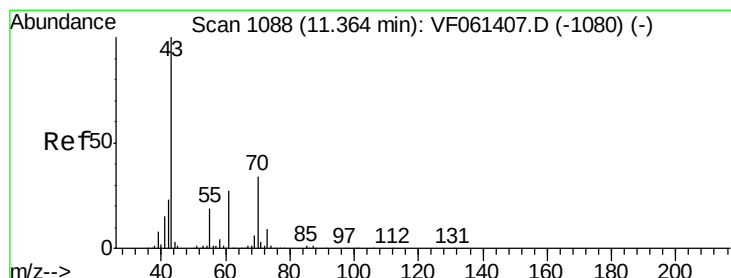
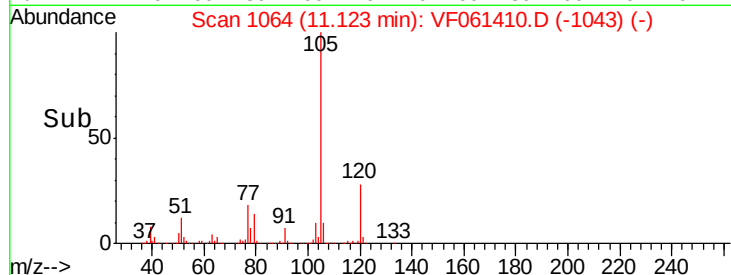
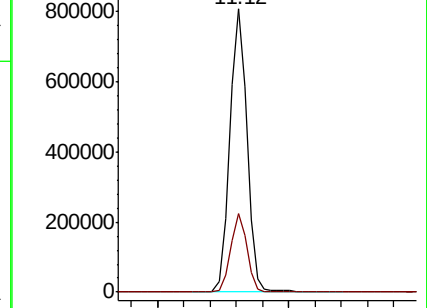
105 100

120 27.7 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 117.373 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion: 43 Resp: 362439

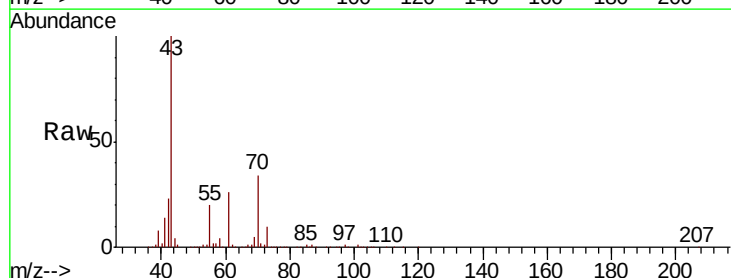
Ion Ratio Lower Upper

43 100

70 33.9 27.6 41.4

55 19.8 15.4 23.2

61 25.7 21.8 32.6

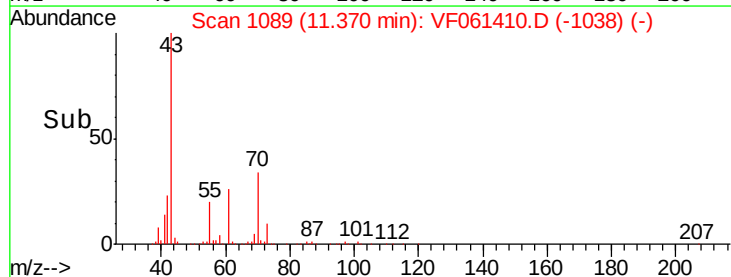
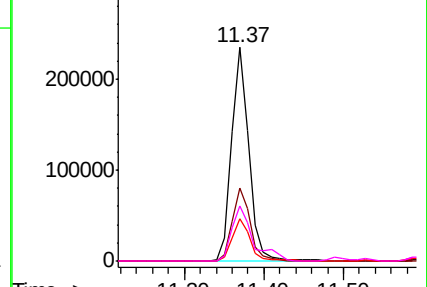


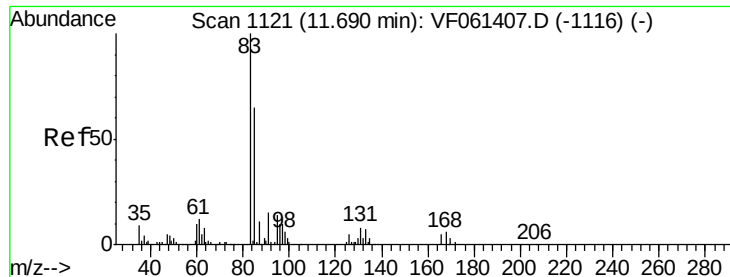
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 120.259 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

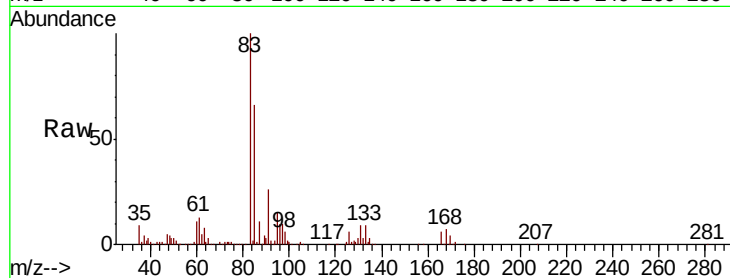
Tgt Ion: 83 Resp: 281213

Ion Ratio Lower Upper

83 100

131 9.0 4.0 12.2

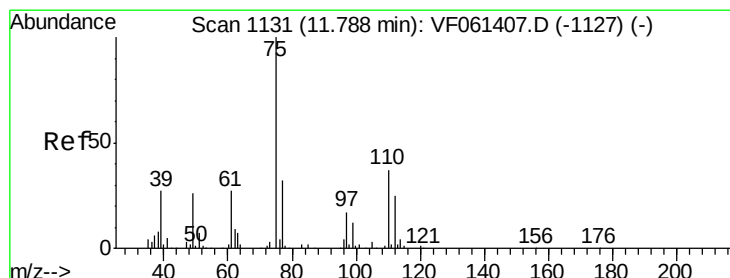
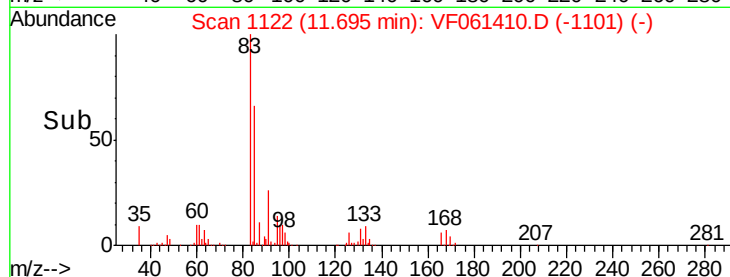
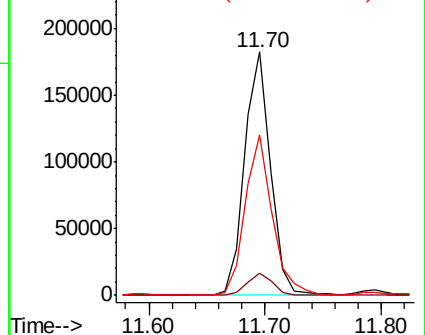
85 65.9 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 121.531 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF061410.D

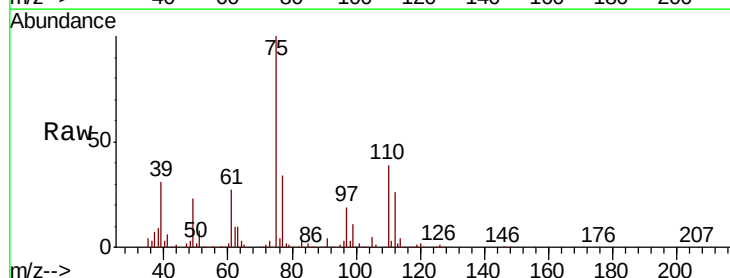
Acq: 15 Jan 2019 16:53

Tgt Ion: 75 Resp: 204273

Ion Ratio Lower Upper

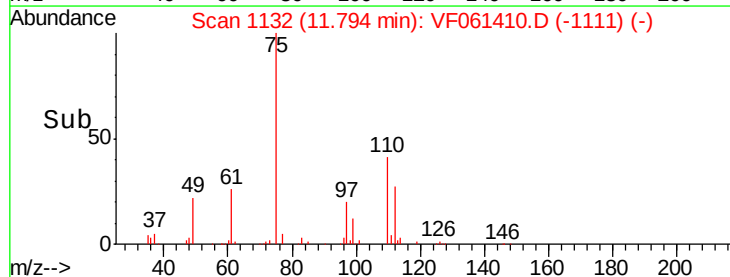
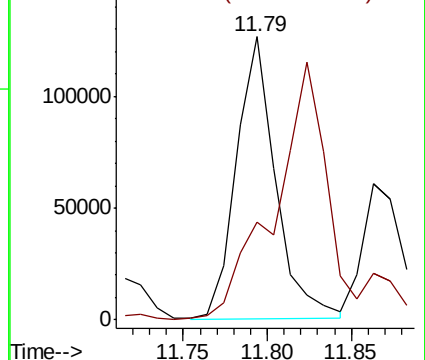
75 100

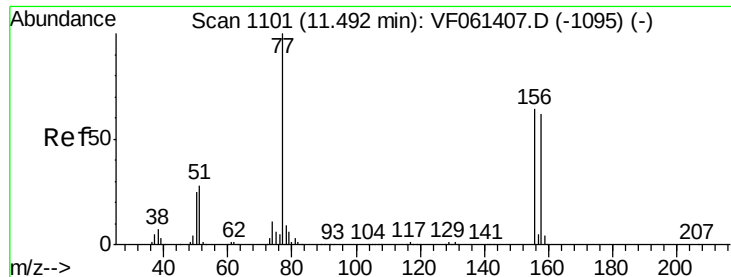
77 34.5 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 123.260 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

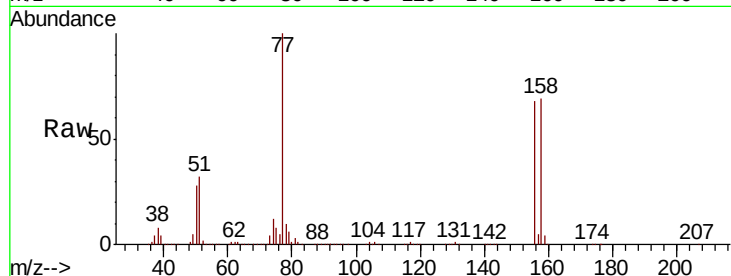
Tgt Ion:156 Resp: 338268

Ion Ratio Lower Upper

156 100

77 146.1 78.3 234.9

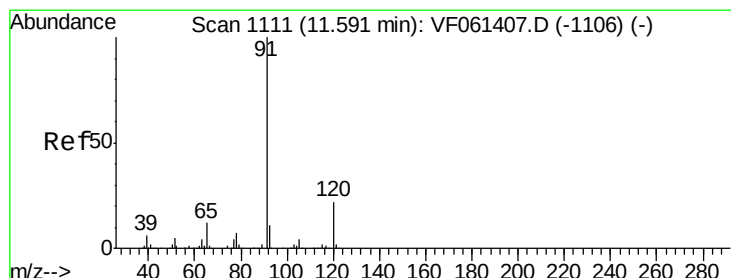
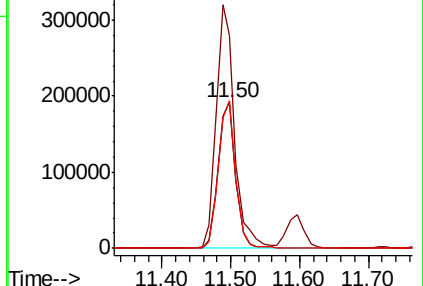
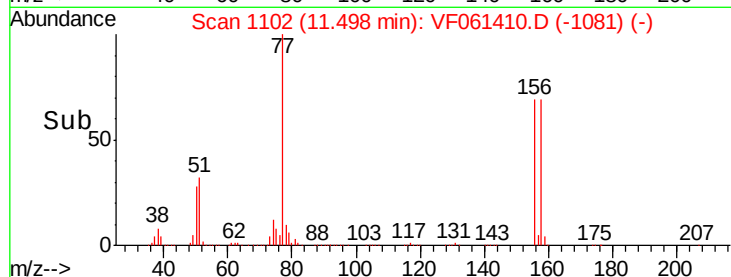
158 100.9 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 103.872 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061410.D

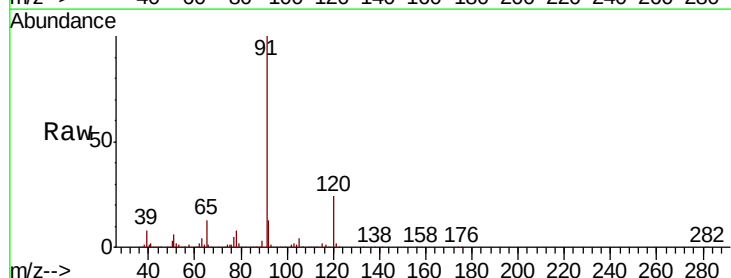
Acq: 15 Jan 2019 16:53

Tgt Ion: 91 Resp: 1701345

Ion Ratio Lower Upper

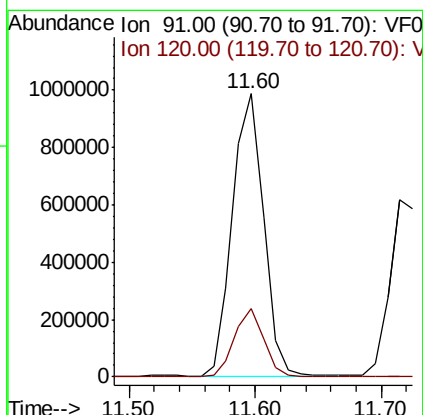
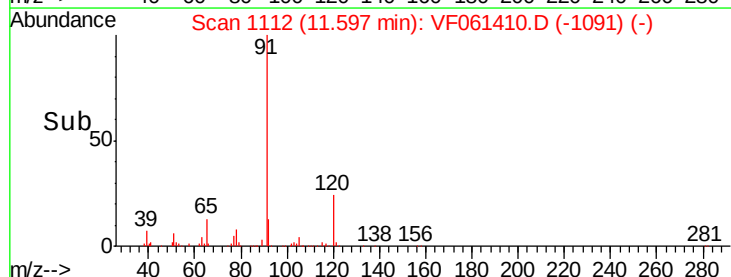
91 100

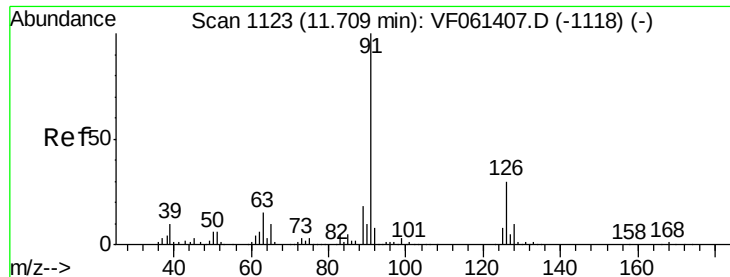
120 24.3 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

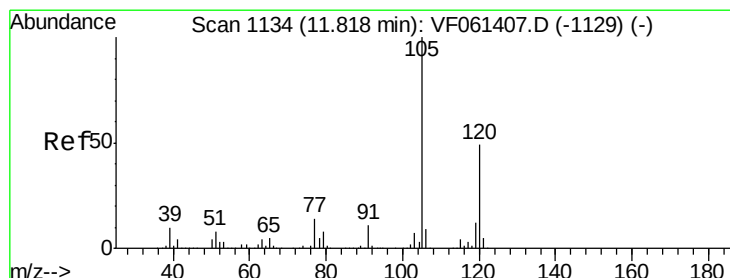
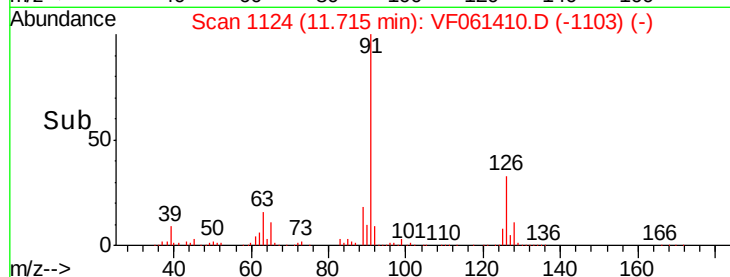
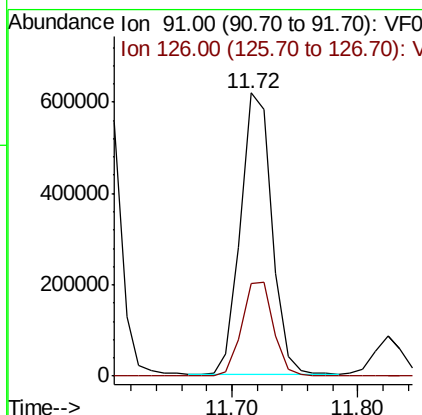
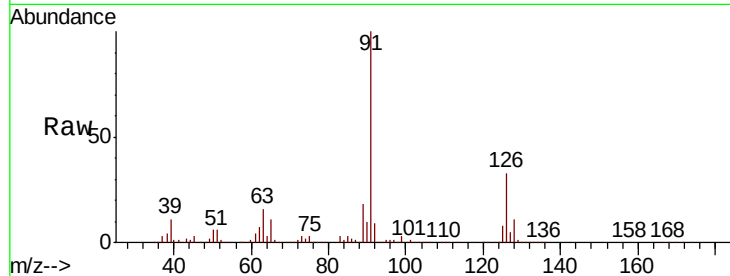




#79
 2-Chlorotoluene
 Concen: 113.692 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

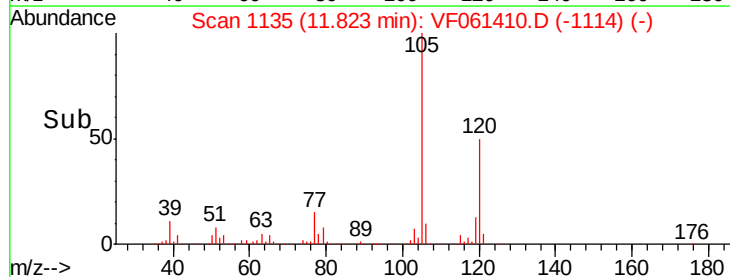
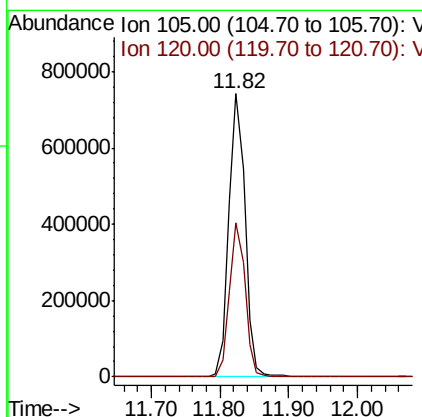
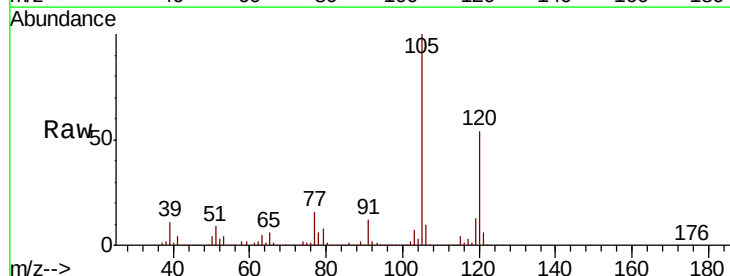
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

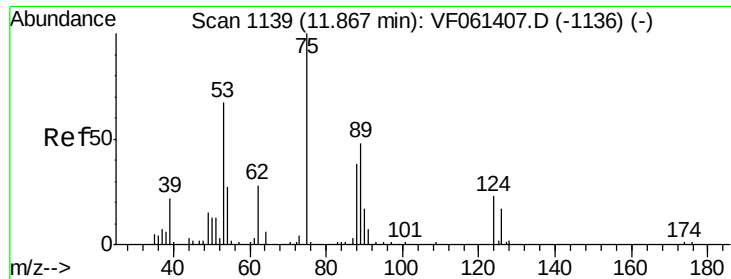
Tgt Ion: 91 Resp: 1058306
 Ion Ratio Lower Upper
 91 100
 126 32.7 15.0 45.1



#80
 1,3,5-Trimethylbenzene
 Concen: 113.356 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion: 105 Resp: 1216575
 Ion Ratio Lower Upper
 105 100
 120 54.3 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 144.996 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

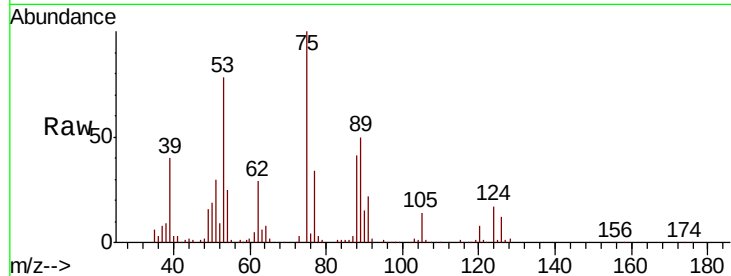
Tgt Ion: 75 Resp: 128588

Ion Ratio Lower Upper

75 100

53 77.6 57.8 86.6

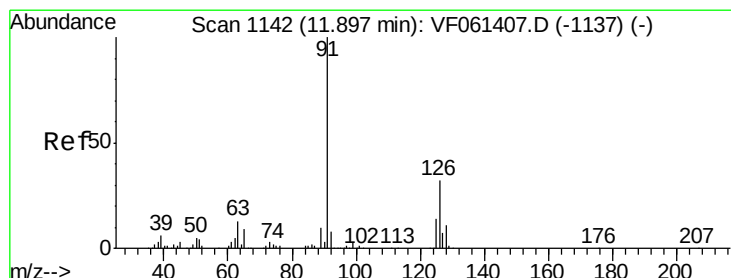
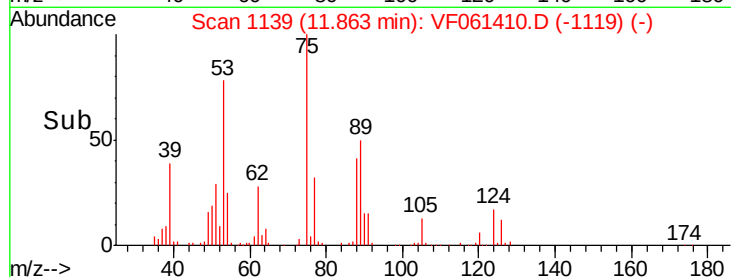
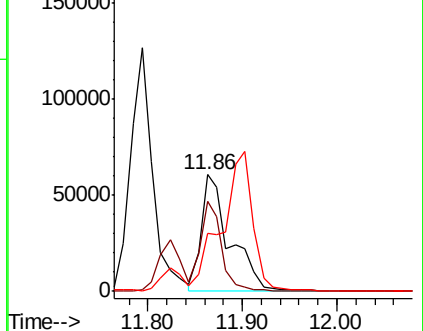
89 50.1 40.7 61.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 117.050 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF061410.D

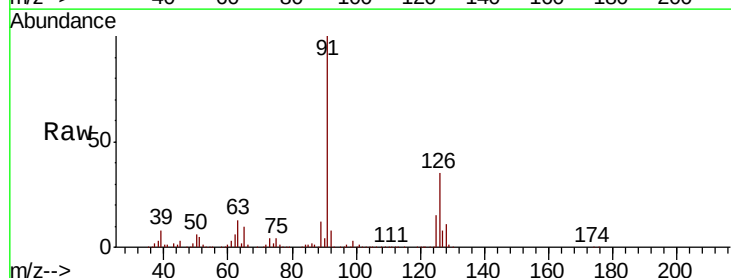
Acq: 15 Jan 2019 16:53

Tgt Ion: 91 Resp: 1079168

Ion Ratio Lower Upper

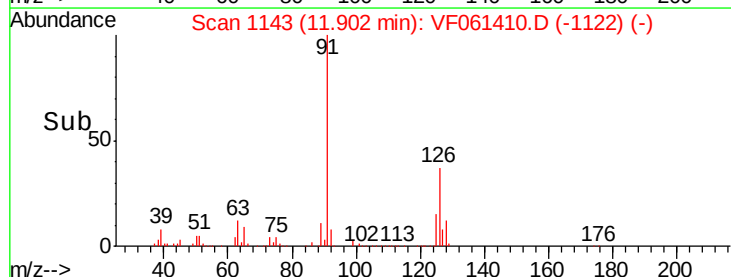
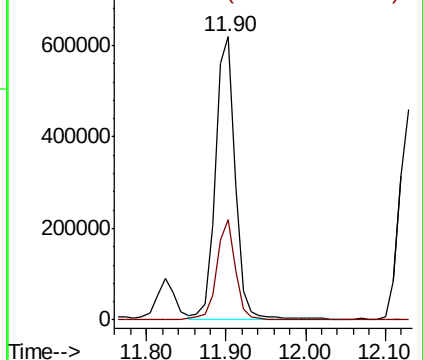
91 100

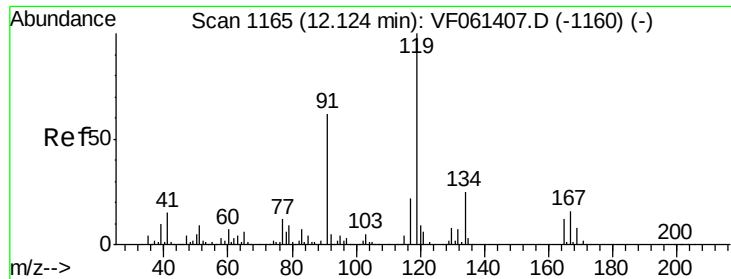
126 35.4 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

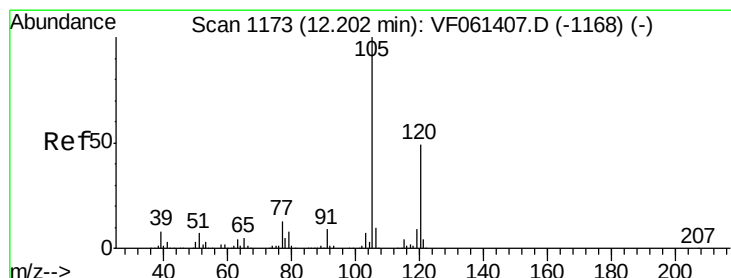
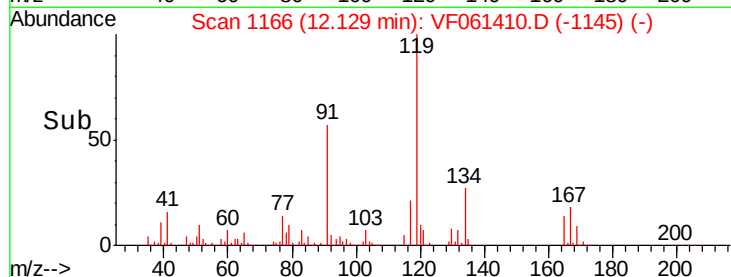
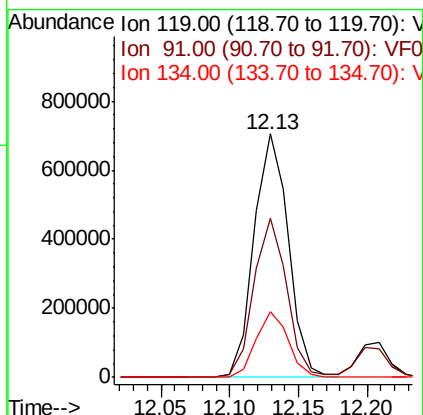
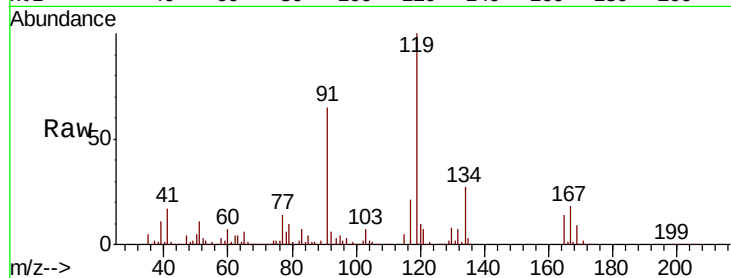




#83
 tert-Butylbenzene
 Concen: 110.176 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

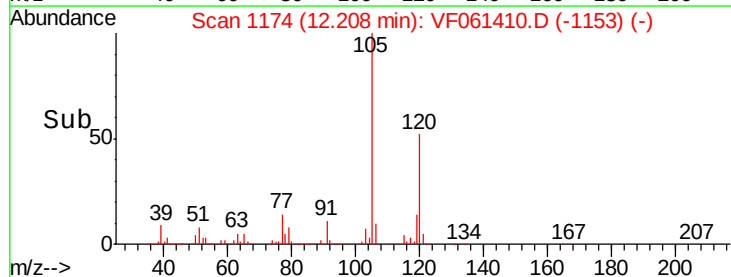
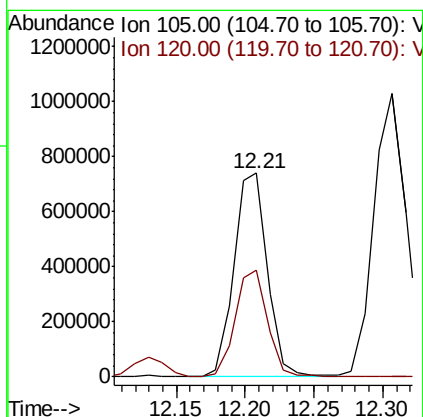
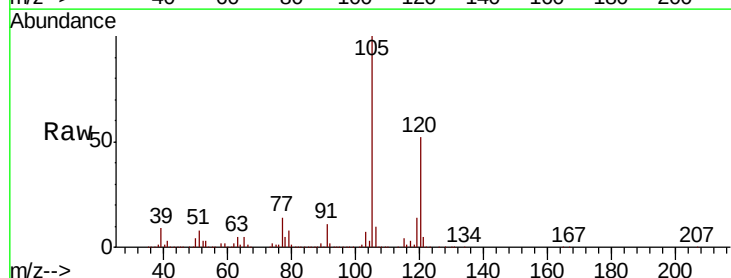
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

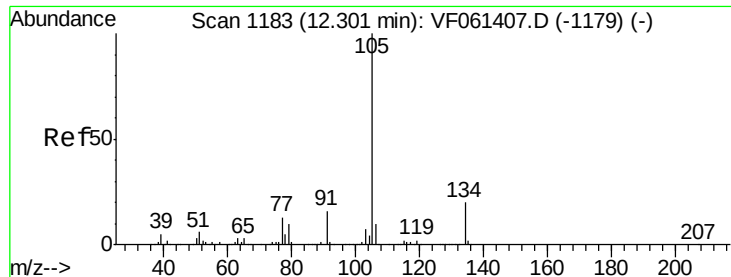
Tgt Ion:119 Resp: 1229567
 Ion Ratio Lower Upper
 119 100
 91 65.2 31.3 93.8
 134 26.8 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 112.774 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion:105 Resp: 1252048
 Ion Ratio Lower Upper
 105 100
 120 52.3 24.9 74.6





#85

sec-Butylbenzene

Concen: 111.343 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

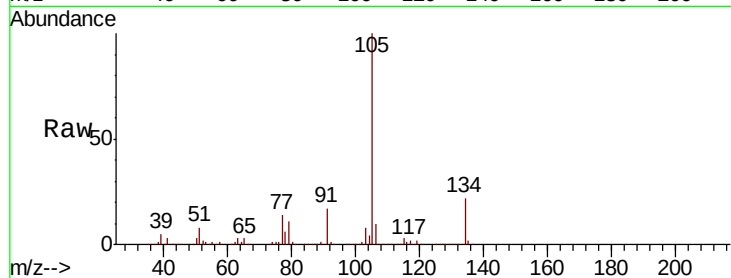
VSTDIC150

Tgt Ion:105 Resp: 1689927

Ion Ratio Lower Upper

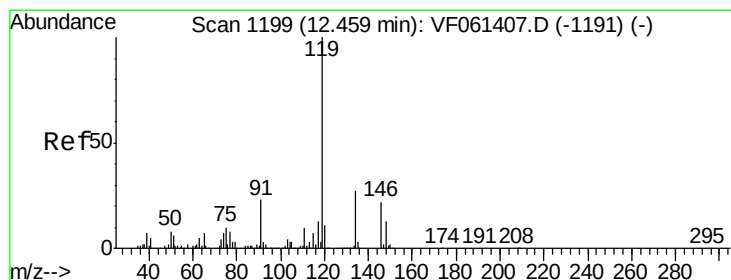
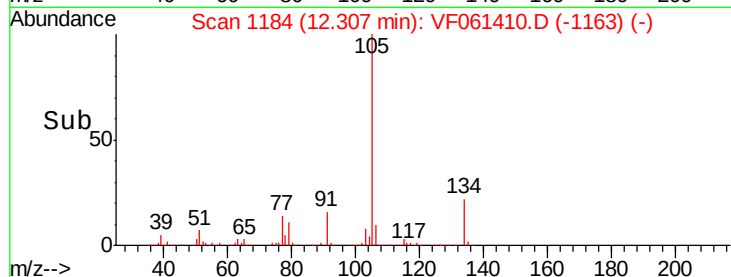
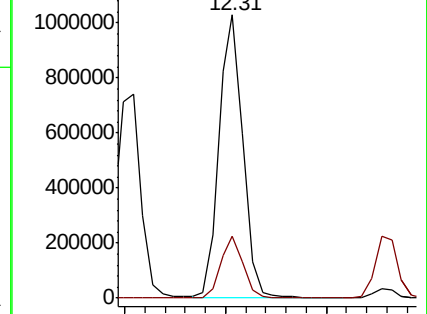
105 100

134 21.8 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 105.093 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

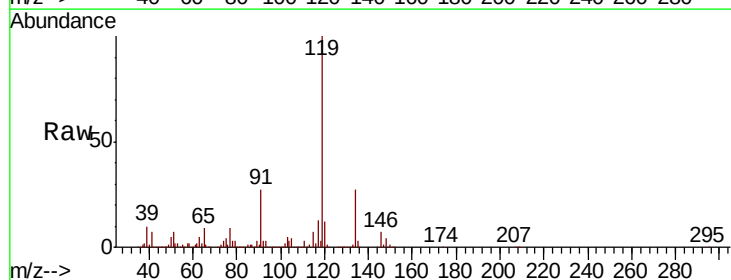
Tgt Ion:119 Resp: 1327914

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

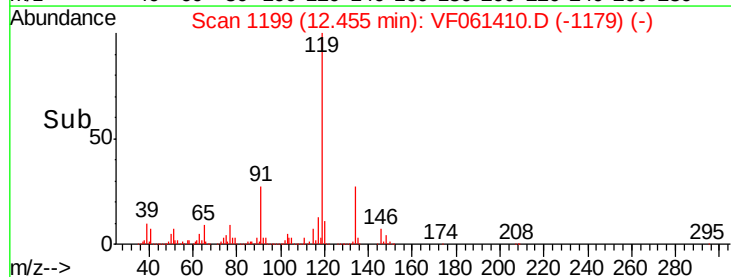
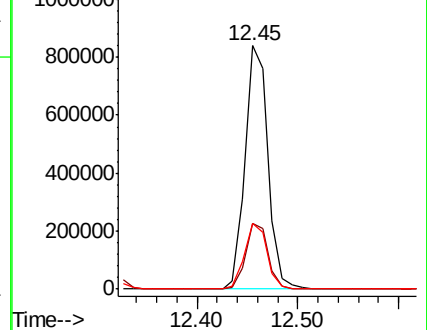
91 27.0 11.4 34.2

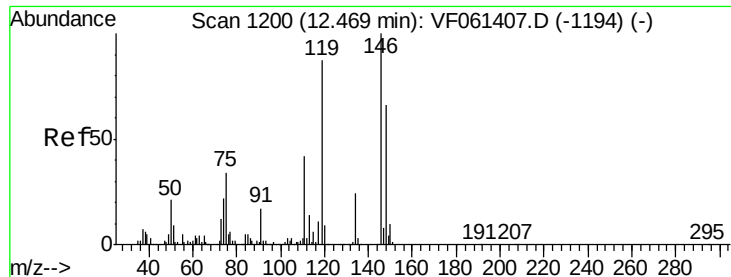


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

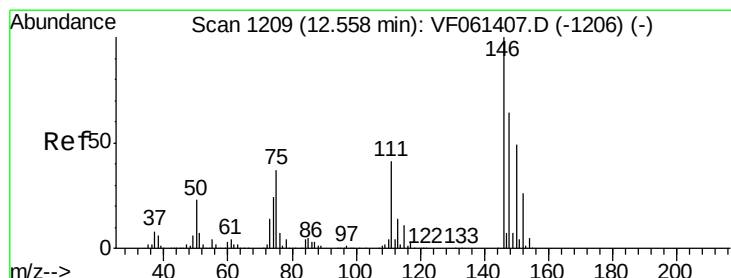
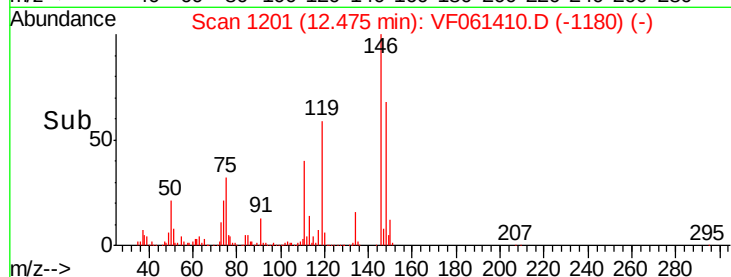
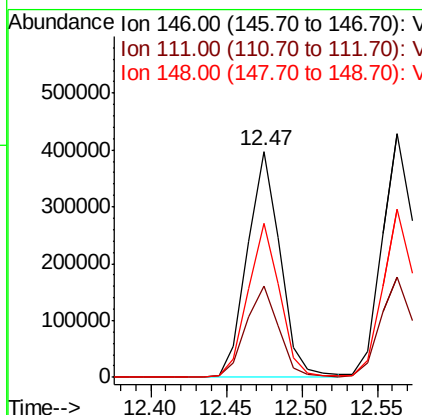
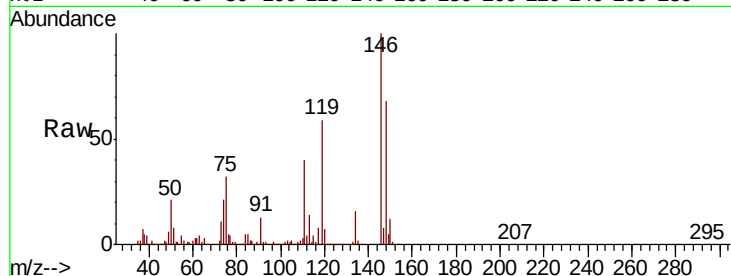




#87
 1,3-Dichlorobenzene
 Concen: 107.157 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

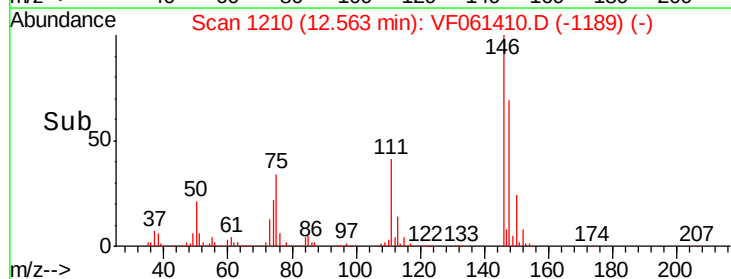
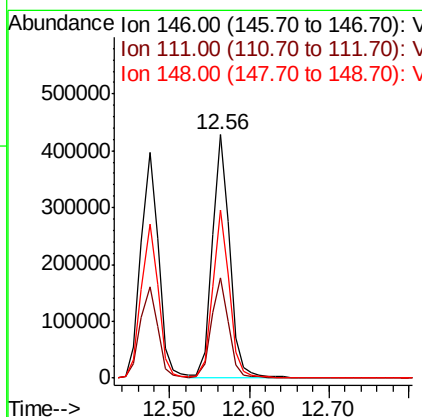
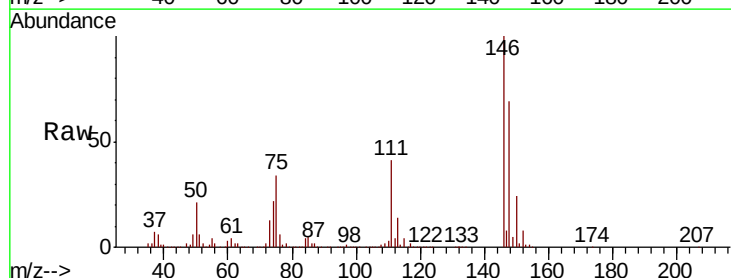
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

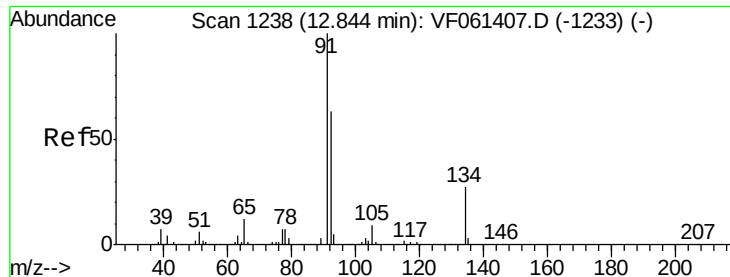
Tgt Ion:146 Resp: 604540
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.1 63.4
 148 67.9 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 128.056 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion:146 Resp: 661808
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.8 62.2
 148 69.0 32.1 96.5





#89

n-Butylbenzene

Concen: 102.465 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

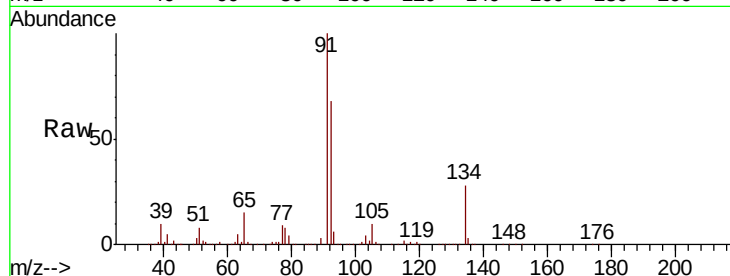
Tgt Ion: 91 Resp: 1338119

Ion Ratio Lower Upper

91 100

92 67.7 31.6 94.7

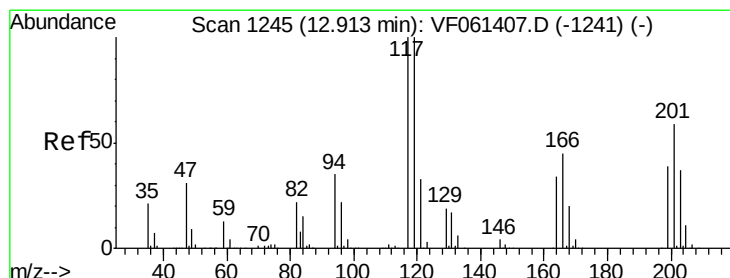
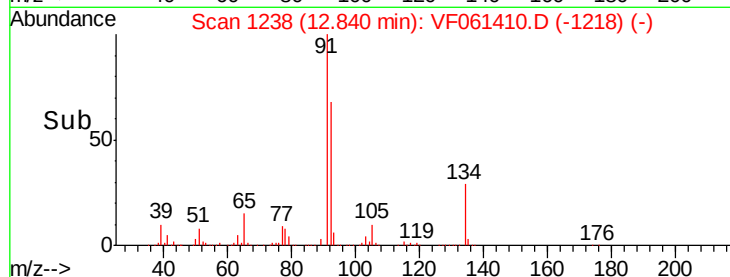
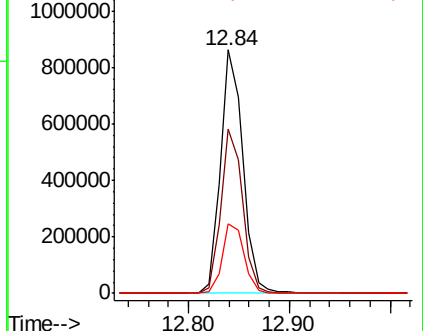
134 28.5 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 131.600 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VF061410.D

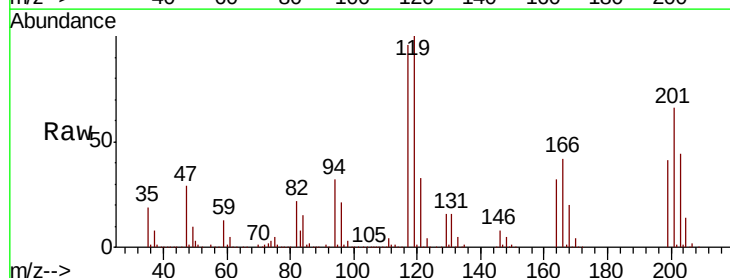
Acq: 15 Jan 2019 16:53

Tgt Ion: 117 Resp: 367057

Ion Ratio Lower Upper

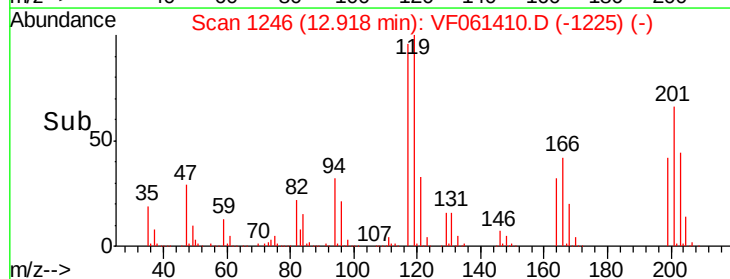
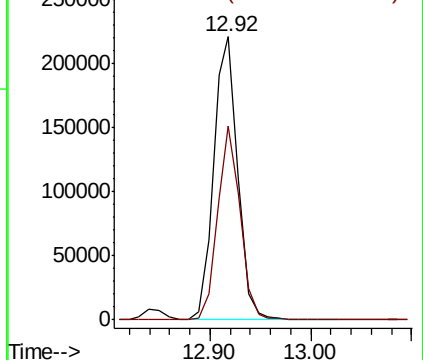
117 100

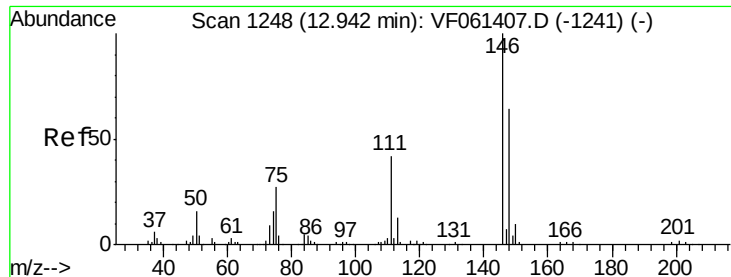
201 68.5 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

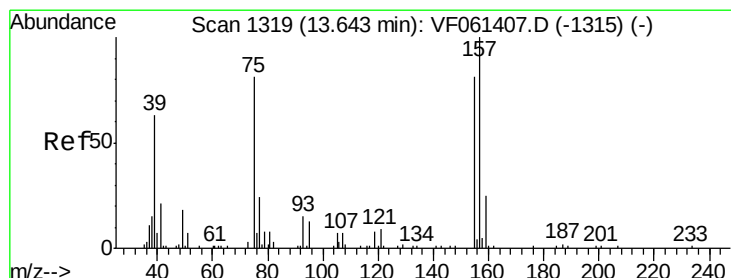
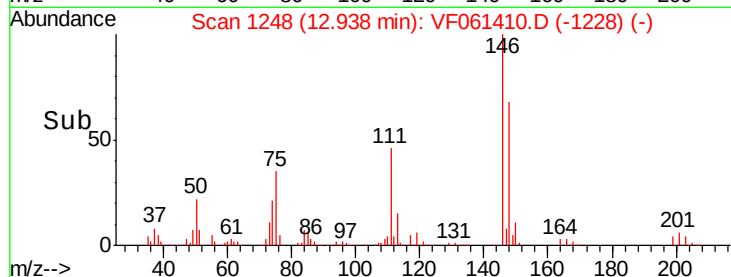
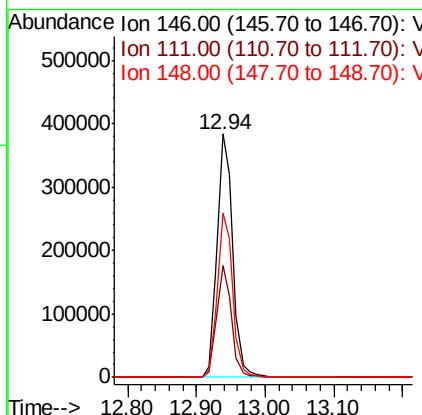
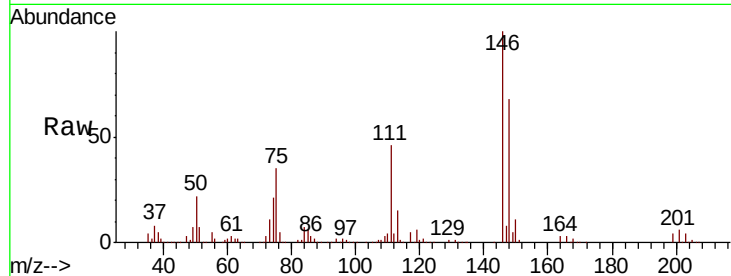




#91
 1,2-Dichlorobenzene
 Concen: 114.473 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

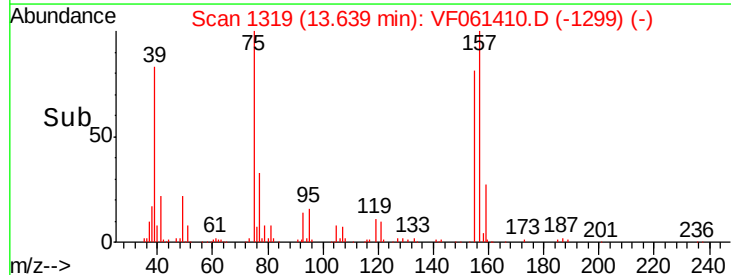
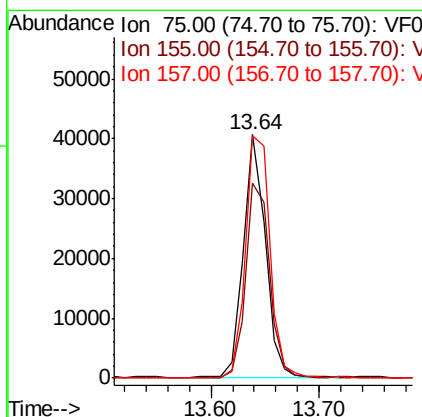
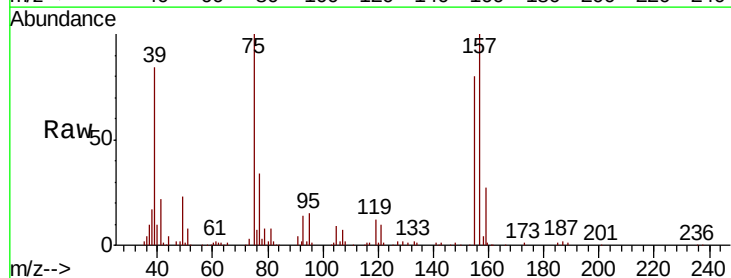
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

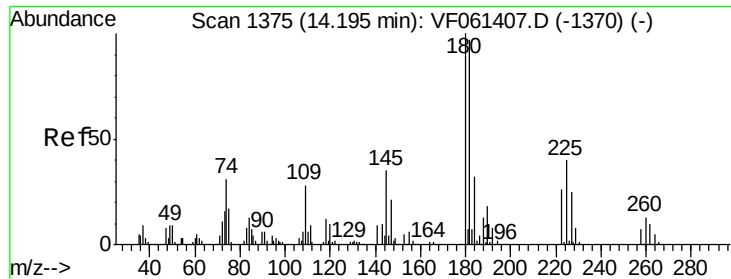
Tgt Ion: 146 Resp: 601811
 Ion Ratio Lower Upper
 146 100
 111 45.7 21.1 63.3
 148 67.6 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 147.456 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion: 75 Resp: 58449
 Ion Ratio Lower Upper
 75 100
 155 80.2 49.7 149.1
 157 99.5 61.4 184.1

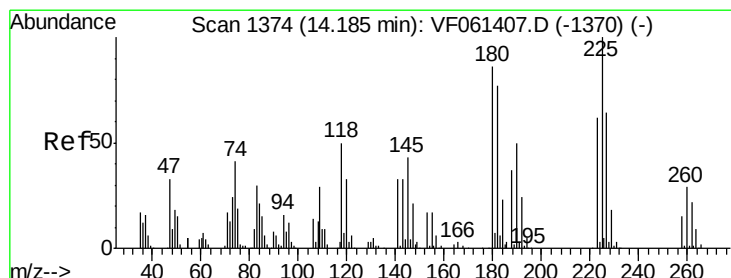
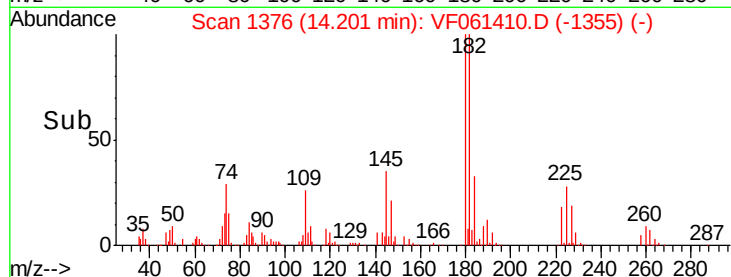
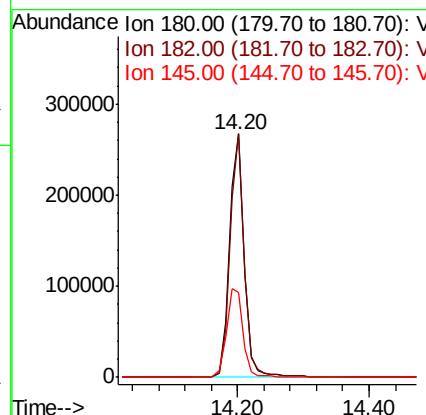
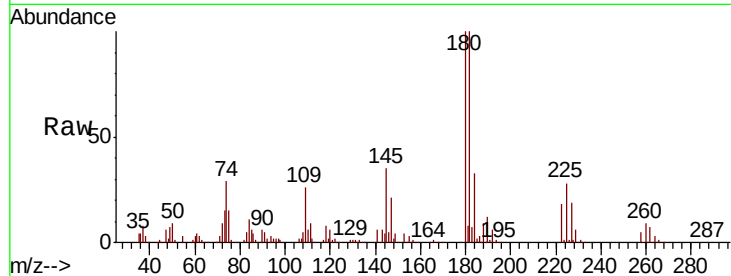




#93
 1,2,4-Trichlorobenzene
 Concen: 114.247 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

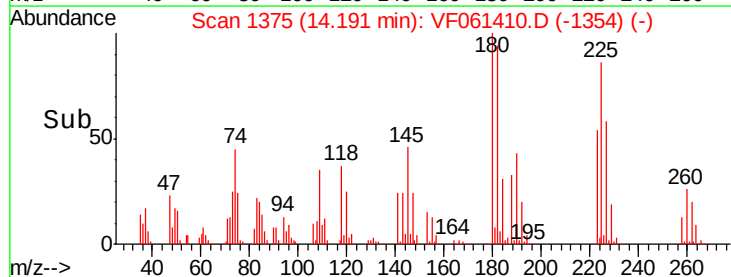
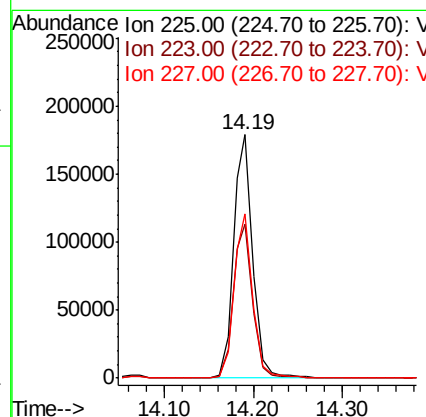
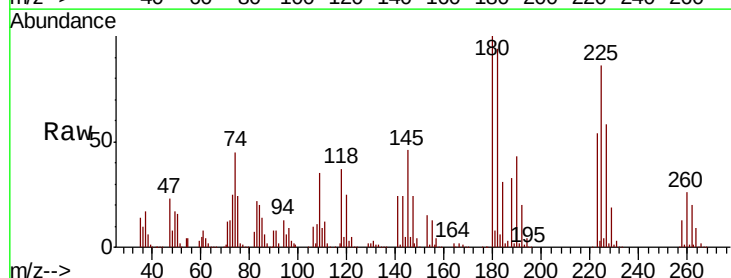
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

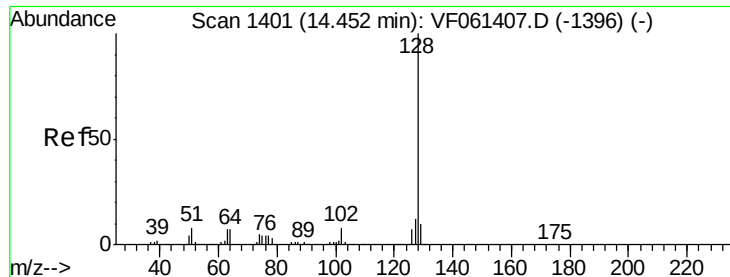
Tgt Ion:180 Resp: 419181
 Ion Ratio Lower Upper
 180 100
 182 100.2 48.5 145.6
 145 35.0 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 122.173 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion:225 Resp: 271435
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.1 93.2
 227 67.7 32.2 96.6

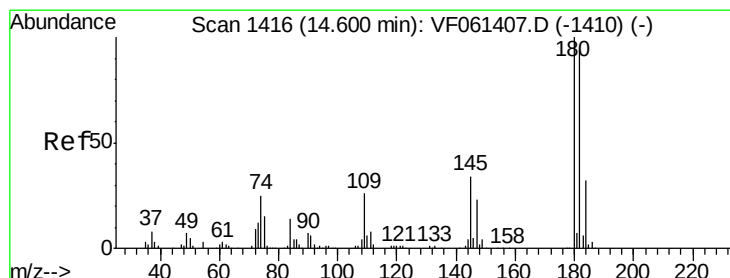
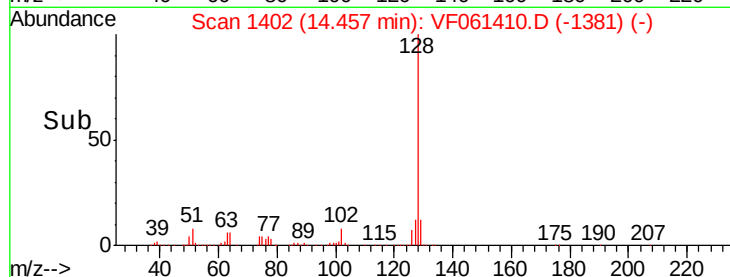
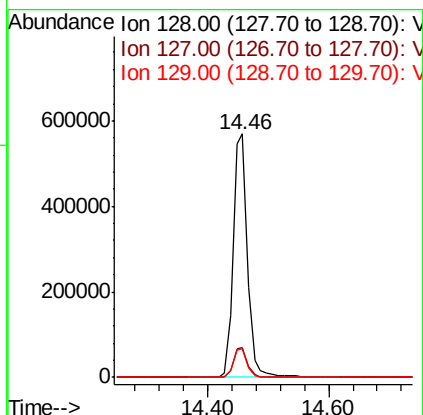
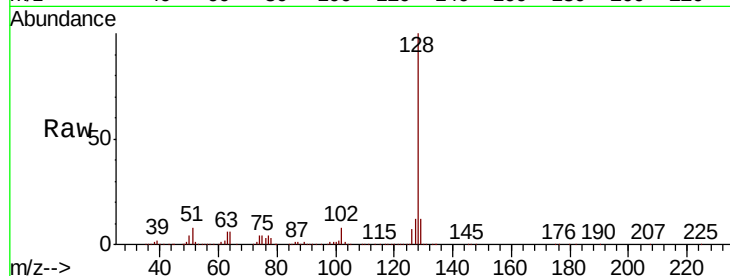




#95
Naphthalene
Concen: 142.839 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 932858
Ion Ratio Lower Upper
128 100
127 12.3 9.5 14.3
129 11.5 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 129.591 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion:180 Resp: 427088
Ion Ratio Lower Upper
180 100
182 96.8 47.0 141.2
145 36.6 17.1 51.2

