

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF011519\
 Data File : VF061408.D
 Acq On : 15 Jan 2019 15:56
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Jan 16 03:21:09 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	4.87	168	179360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	319582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	292834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	141629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	162634	74.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.68%	
35) Dibromofluoromethane	4.11	113	176312	68.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.50%	
50) Toluene-d8	7.55	98	488466	69.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.90%	
62) 4-Bromofluorobenzene	11.41	95	208180	61.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	269895	75.929	ug/l	90
3) Chloromethane	1.10	50	178123	66.101	ug/l	97
4) Vinyl Chloride	1.14	62	165708	69.812	ug/l	100
5) Bromomethane	1.32	94	106934	65.795	ug/l	96
6) Chloroethane	1.39	64	72398	67.516	ug/l	96
7) Trichlorofluoromethane	1.49	101	229048	48.465	ug/l	96
8) Diethyl Ether	1.62	74	42277	71.345	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	154026	69.752	ug/l	98
10) Methyl Iodide	1.91	142	194733	56.915	ug/l	99
11) Tert butyl alcohol	2.57	59	34208	359.484	ug/l	96
12) 1,1-Dichloroethene	1.79	96	118739	72.381	ug/l	99
13) Acrolein	2.00	56	27584	311.633	ug/l	95
14) Allyl chloride	2.09	41	177992	60.317	ug/l	97
15) Acrylonitrile	2.94	53	83685	337.363	ug/l	96
16) Acetone	2.24	43	161984	342.871	ug/l	96
17) Carbon Disulfide	1.83	76	284499	55.596	ug/l	100
18) Methyl Acetate	2.34	43	61612	55.273	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	249101	68.130	ug/l	96
20) Methylene Chloride	2.18	84	40789	21.952	ug/l	92
21) trans-1,2-Dichloroethene	2.31	96	123182	67.589	ug/l	94
22) Diisopropyl ether	2.80	45	399724	69.647	ug/l	98
23) Vinyl Acetate	3.18	43	963628	441.302	ug/l	99
24) 1,1-Dichloroethane	2.87	63	252402	69.061	ug/l	98
25) 2-Butanone	4.33	43	260363	346.005	ug/l	98
26) 2,2-Dichloropropane	3.60	77	141672	60.172	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	196812	74.751	ug/l	99
28) Bromochloromethane	3.72	49	109183	64.175	ug/l #	97
29) Tetrahydrofuran	4.06	42	110497	333.760	ug/l	95
30) Chloroform	3.85	83	347561	70.467	ug/l	99
31) Cyclohexane	3.69	56	145487	39.010	ug/l	98
32) 1,1,1-Trichloroethane	4.09	97	254618	67.885	ug/l	96
36) 1,1-Dichloropropene	4.28	75	244759	64.584	ug/l	99
37) Ethyl Acetate	4.11	43	102017	66.297	ug/l #	78
38) Carbon Tetrachloride	3.99	117	210286	51.217	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	282738	67.574	ug/l	97
40) Benzene	4.62	78	534515	62.194	ug/l	99
41) Methacrylonitrile	4.74	41	49039	60.504	ug/l #	89
42) 1,2-Dichloroethane	4.94	62	214549	72.026	ug/l	98
43) Isopropyl Acetate	6.95	43	132364	71.939	ug/l #	97
44) Trichloroethene	5.50	130	183493	69.500	ug/l	100
45) 1,2-Dichloropropane	6.23	63	151272	68.665	ug/l	100
46) Dibromomethane	6.08	93	102172	70.738	ug/l	96
47) Bromodichloromethane	6.38	83	268613	76.004	ug/l	98
48) Methyl methacrylate	6.71	41	92164	74.195	ug/l	91
49) 1,4-Dioxane	6.70	88	14297	1540.934	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	472401	327.838	ug/l	98
52) Toluene	7.62	92	361593	63.360	ug/l	95
53) t-1,3-Dichloropropene	8.27	75	204582	71.755	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	264224	73.682	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	115251	74.304	ug/l	99
56) Ethyl methacrylate	8.62	69	130937	73.663	ug/l	98
57) 1,3-Dichloropropane	8.85	76	206422	71.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	69333	576.575	ug/l	98
59) 2-Hexanone	9.49	43	322990	322.020	ug/l	100
60) Dibromochloromethane	8.71	129	166505	75.530	ug/l	99
61) 1,2-Dibromoethane	8.98	107	128276	72.282	ug/l	96
64) Tetrachloroethene	8.15	164	163058	73.099	ug/l	99
65) Chlorobenzene	9.79	112	428557	69.059	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	168020	69.166	ug/l	98
67) Ethyl Benzene	9.89	91	769063	66.931	ug/l	99
68) m/p-Xylenes	10.13	106	517311	124.794	ug/l	95
69) o-Xylene	10.71	106	286191	64.637	ug/l	97
70) Styrene	10.79	104	403791	65.704	ug/l	98
71) Bromoform	10.77	173	82690	78.986	ug/l #	97
73) Isopropylbenzene	11.12	105	874213	70.675	ug/l	97
74) N-amyl acetate	11.37	43	195496	68.814	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	146448	68.073	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	105142	67.992	ug/l	91
77) Bromobenzene	11.49	156	179972	71.281	ug/l	90
78) n-propylbenzene	11.59	91	965963	64.102	ug/l	99
79) 2-Chlorotoluene	11.72	91	563396	65.786	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	663816	67.229	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	62474	76.570	ug/l	94
82) 4-Chlorotoluene	11.89	91	566666	66.806	ug/l	98
83) tert-Butylbenzene	12.13	119	702311	68.402	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	688632	67.419	ug/l	98
85) sec-Butylbenzene	12.30	105	943461	67.565	ug/l	98
86) p-Isopropyltoluene	12.46	119	732172	62.983	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	309996	59.725	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	340034	71.515	ug/l	97
89) n-Butylbenzene	12.84	91	759861	63.244	ug/l	97
90) Hexachloroethane	12.91	117	194669	75.862	ug/l	88
91) 1,2-Dichlorobenzene	12.94	146	316072	65.348	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	28288	77.570	ug/l	97

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Response via : Initial Calibration

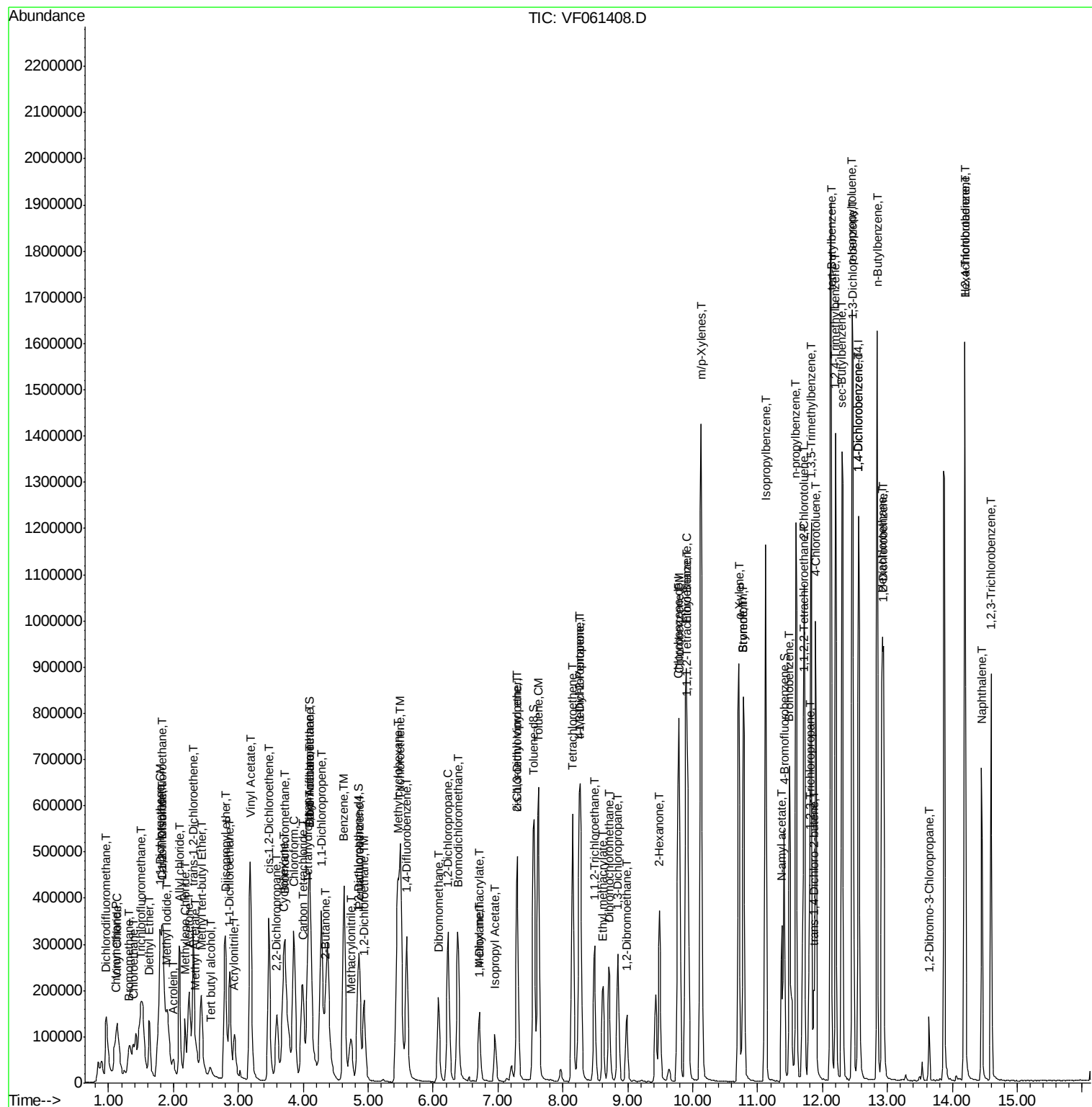
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	235533	69.775	ug/l	95
94) Hexachlorobutadiene	14.18	225	150257	73.510	ug/l	97
95) Naphthalene	14.45	128	482171	80.248	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	228082	75.223	ug/l	95

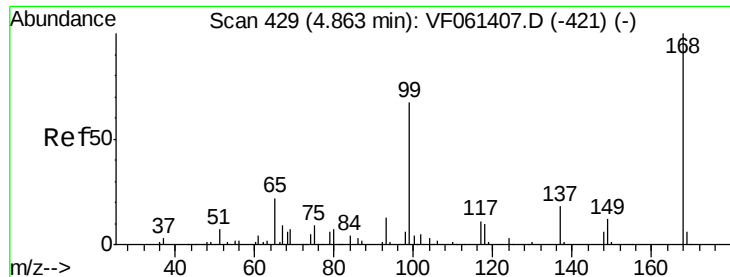
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

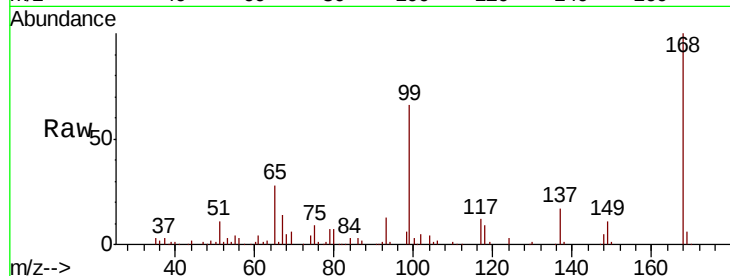
VSTDIC075

Tgt Ion: 168 Resp: 179360

Ion Ratio Lower Upper

168 100

99 66.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

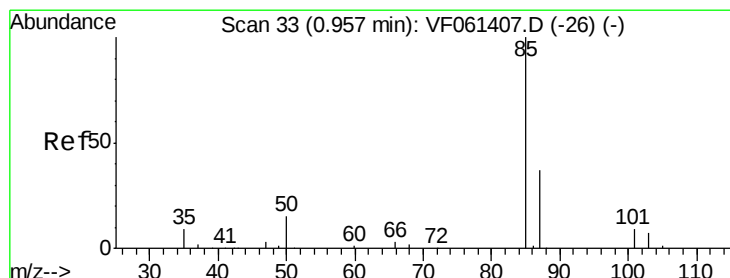
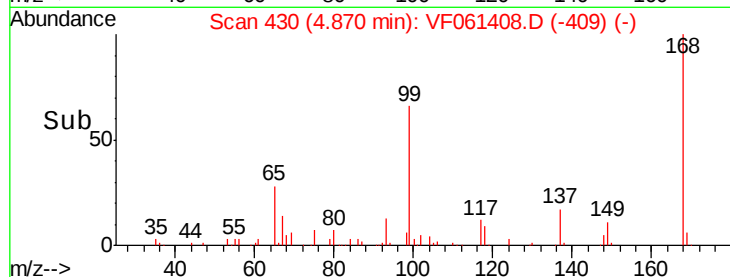
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 75.929 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061408.D

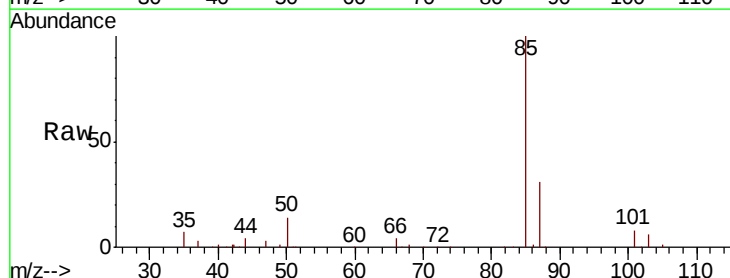
Acq: 15 Jan 2019 15:56

Tgt Ion: 85 Resp: 269895

Ion Ratio Lower Upper

85 100

87 31.0 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

80000

60000

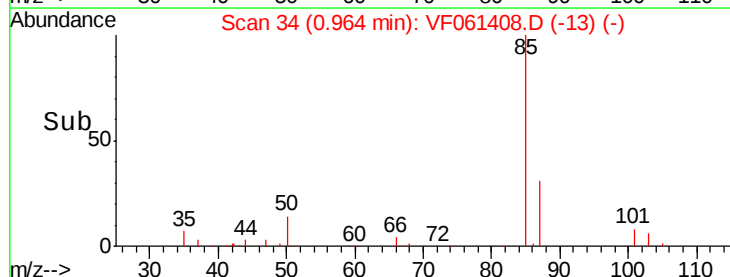
40000

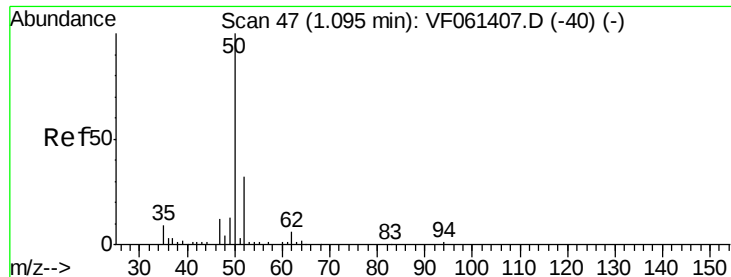
20000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 66.101 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

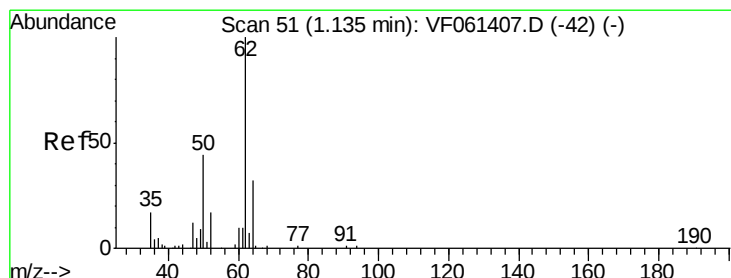
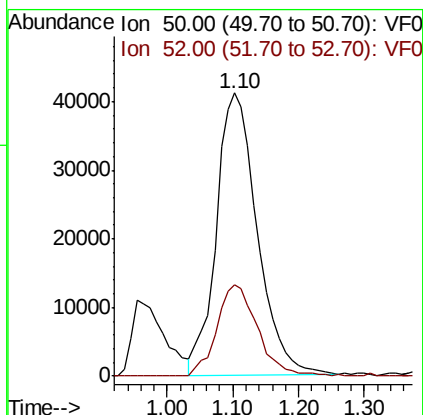
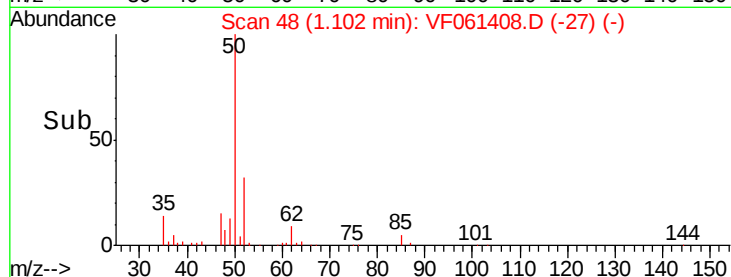
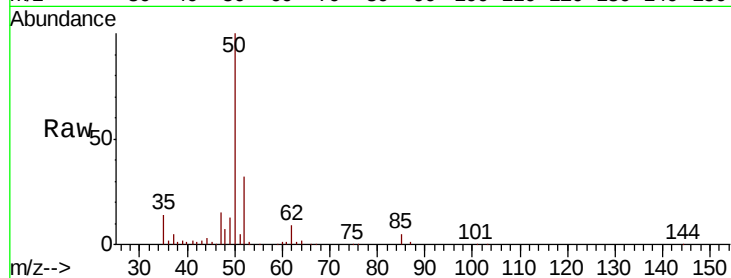
VSTDIC075

Tgt Ion: 50 Resp: 178123

Ion Ratio Lower Upper

50 100

52 32.2 24.6 36.8



#4

Vinyl Chloride

Concen: 69.812 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061408.D

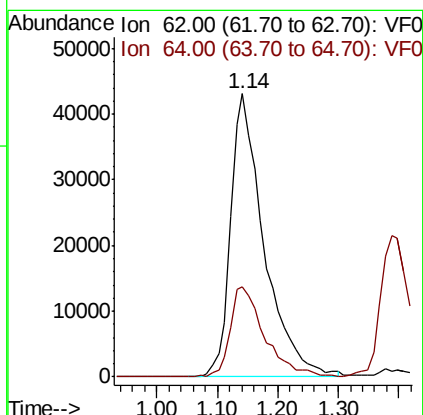
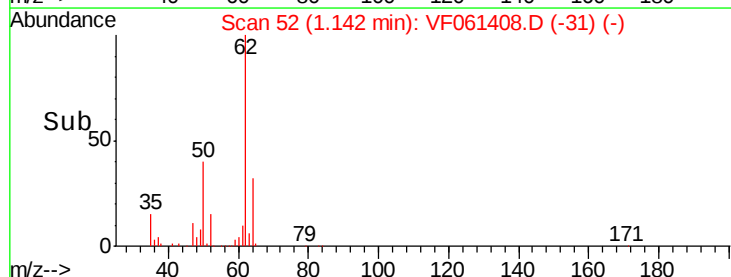
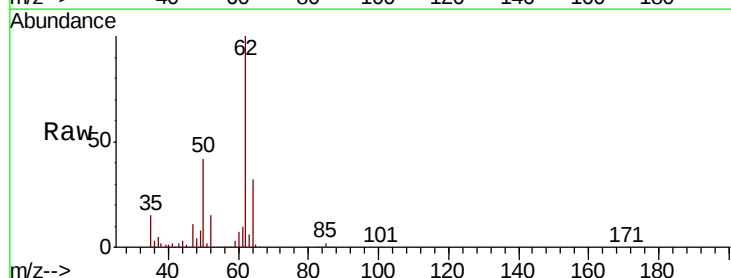
Acq: 15 Jan 2019 15:56

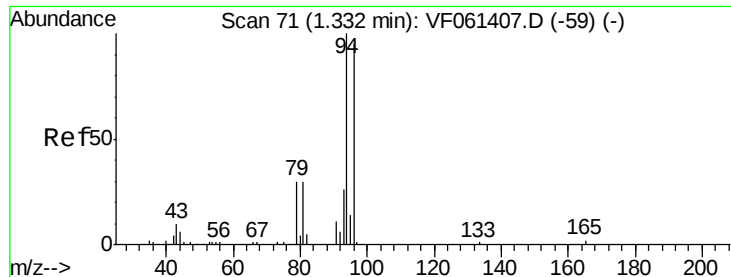
Tgt Ion: 62 Resp: 165708

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 65.795 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

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ClientSampleId :

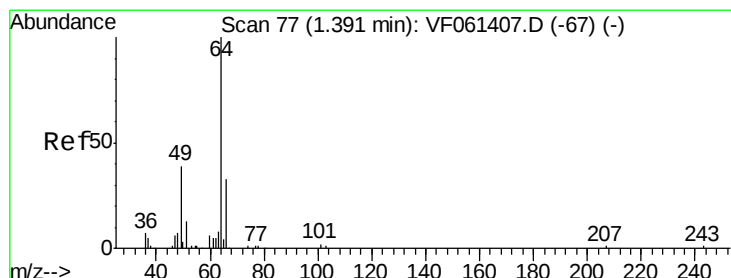
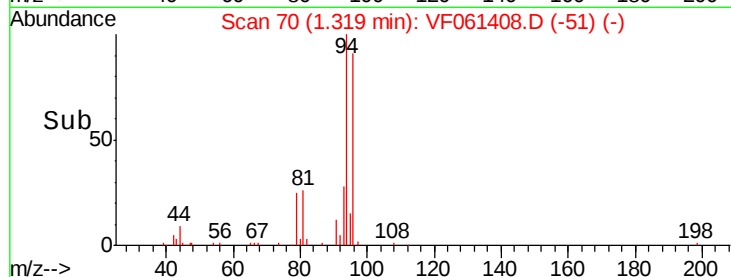
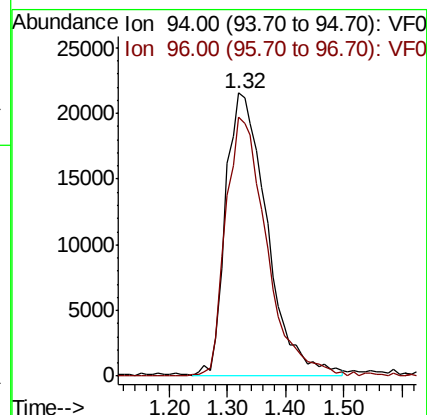
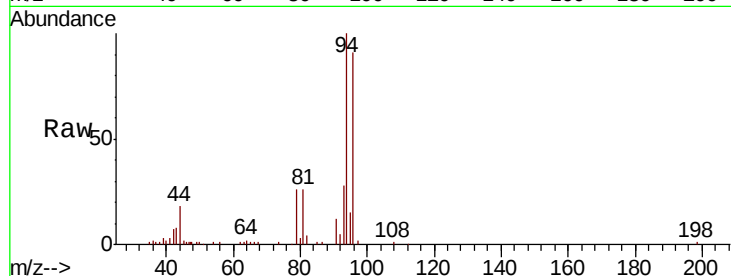
VSTDIC075

Tgt Ion: 94 Resp: 106934

Ion Ratio Lower Upper

94 100

96 91.4 76.0 114.0



#6

Chloroethane

Concen: 67.516 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061408.D

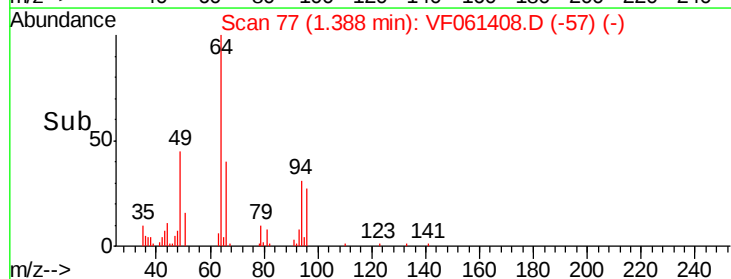
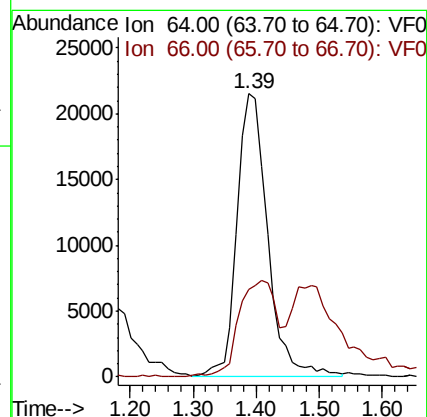
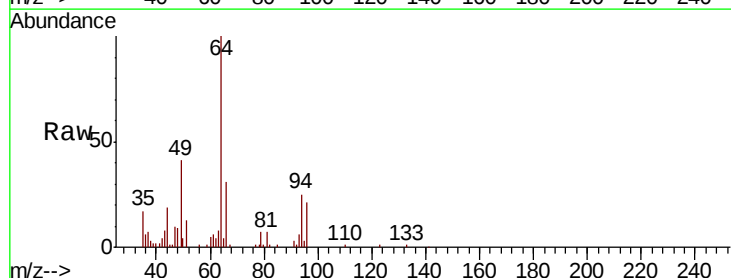
Acq: 15 Jan 2019 15:56

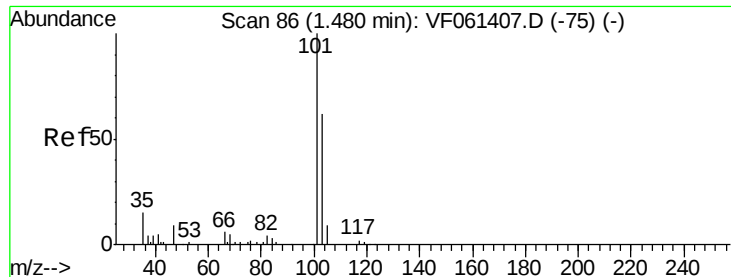
Tgt Ion: 64 Resp: 72398

Ion Ratio Lower Upper

64 100

66 31.1 26.6 40.0





#7

Trichlorofluoromethane

Concen: 48.465 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.01 min

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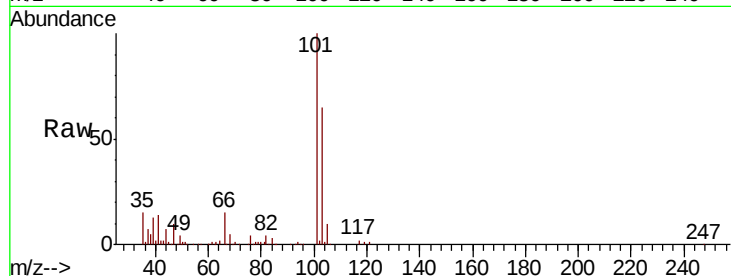
VSTDIC075

Tgt Ion:101 Resp: 229048

Ion Ratio Lower Upper

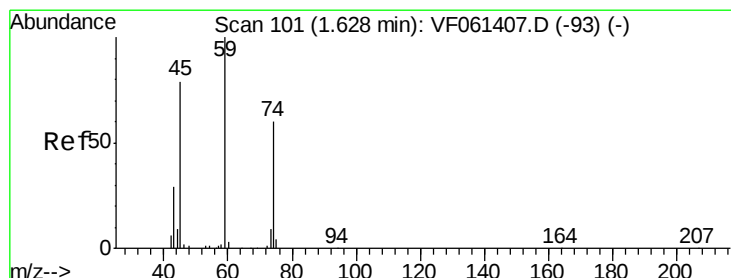
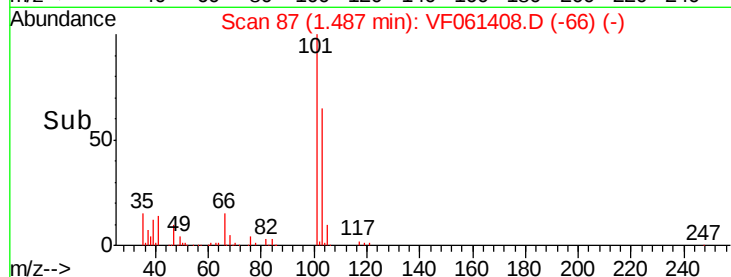
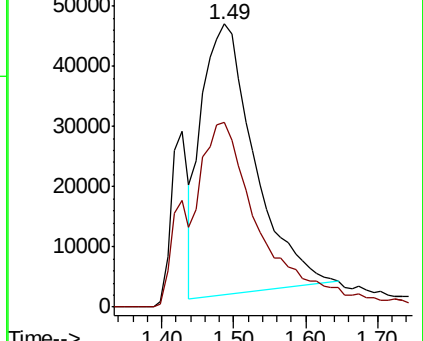
101 100

103 65.3 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: 71.345 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061408.D

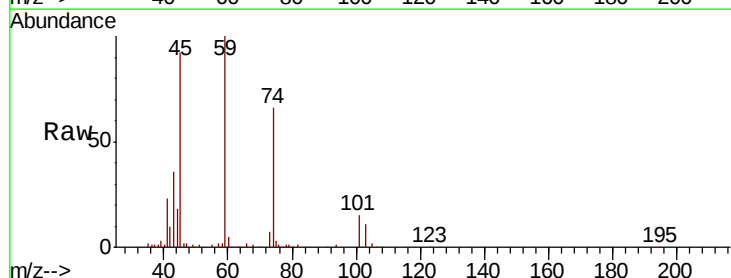
Acq: 15 Jan 2019 15:56

Tgt Ion: 74 Resp: 42277

Ion Ratio Lower Upper

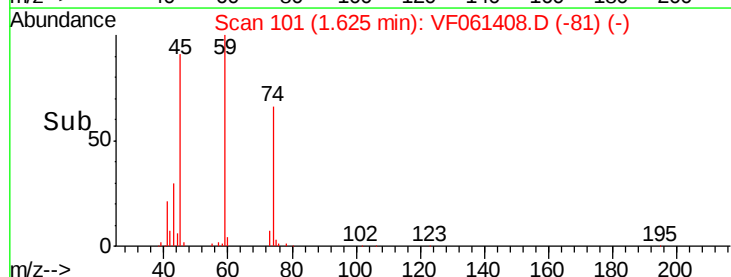
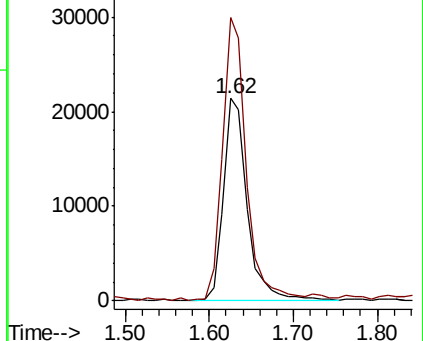
74 100

45 139.8 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: 69.752 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061408.D

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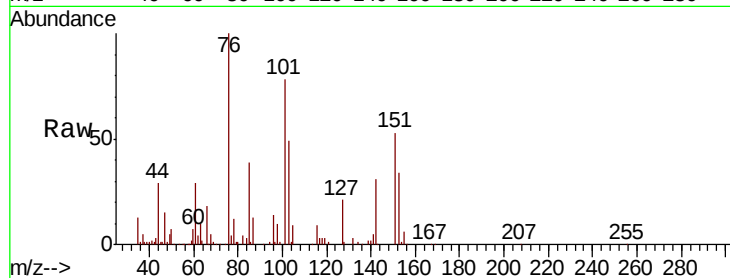
Tgt Ion:101 Resp: 154026

Ion Ratio Lower Upper

101 100

85 50.3 41.9 62.9

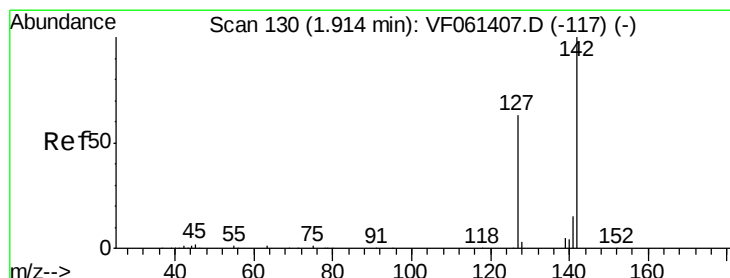
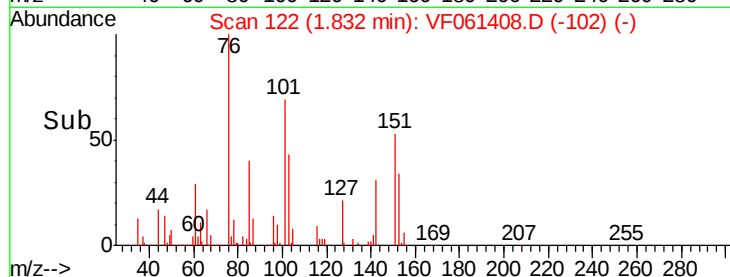
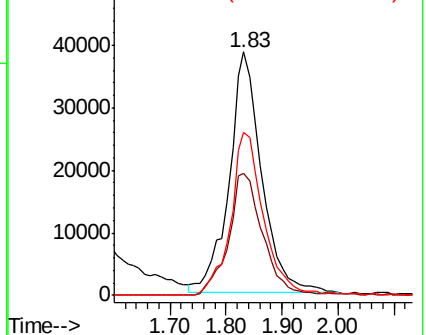
151 67.2 55.1 82.7



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: 56.915 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

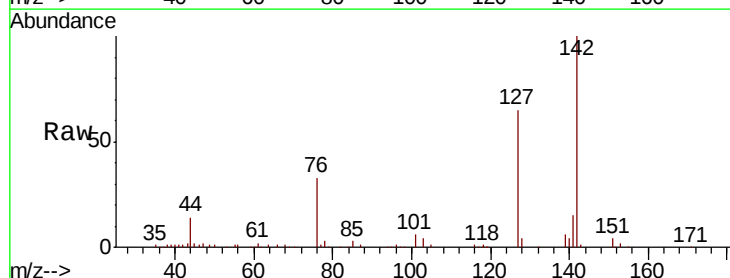
Tgt Ion:142 Resp: 194733

Ion Ratio Lower Upper

142 100

127 64.5 50.7 76.1

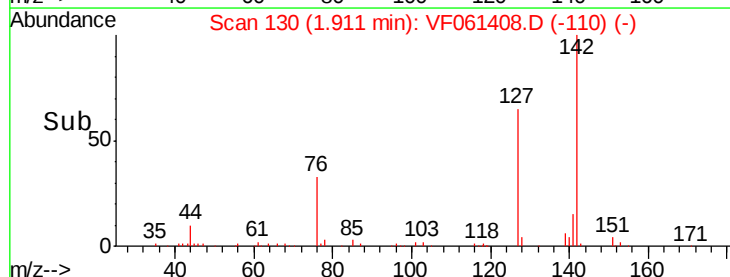
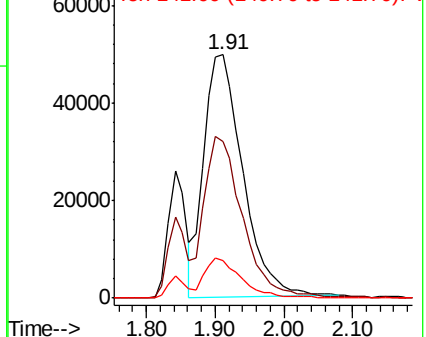
141 15.2 11.8 17.6

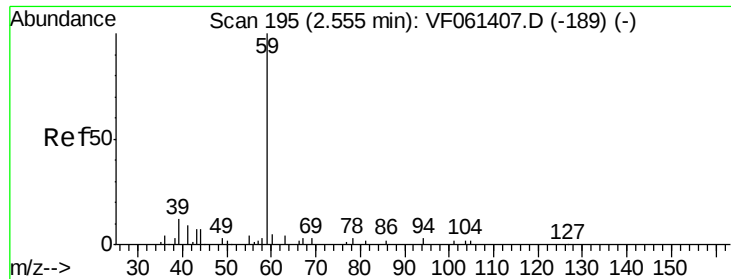


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

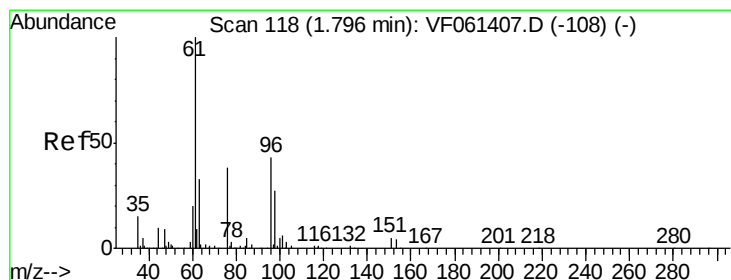
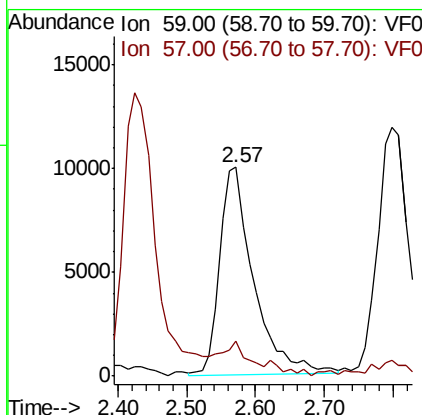
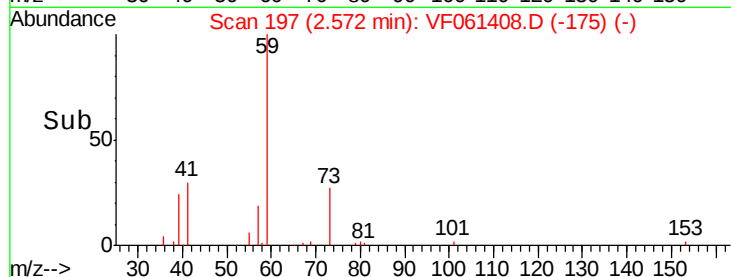
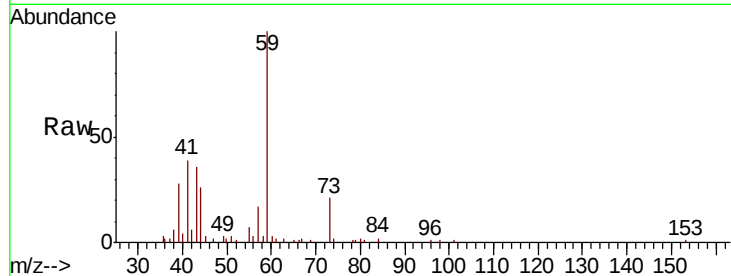




#11
Tert butyl alcohol
Concen: 359.484 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

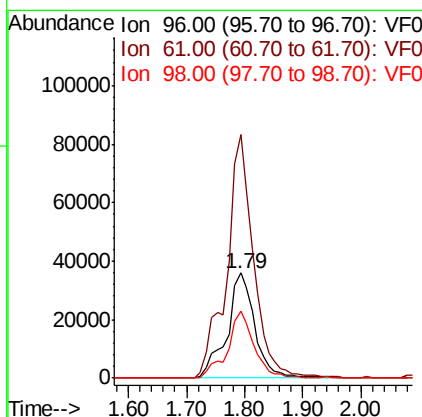
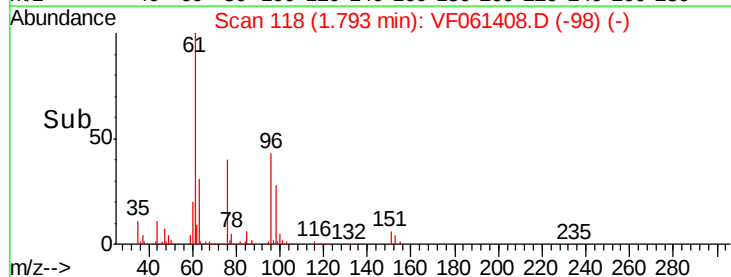
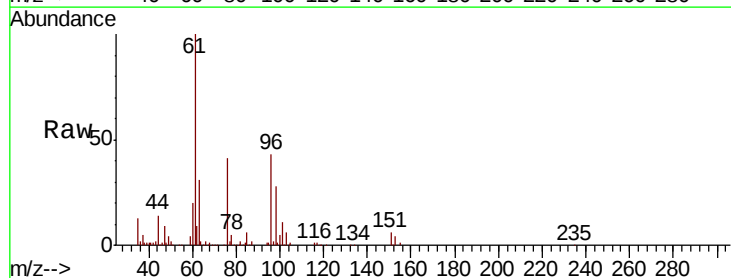
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

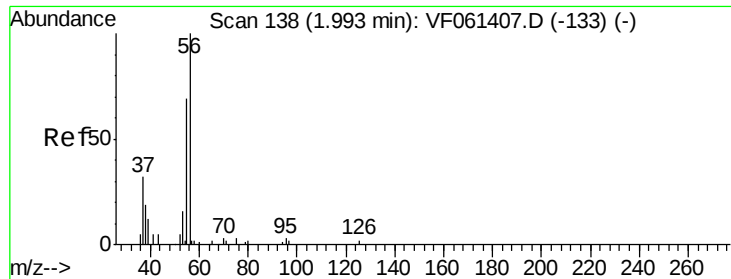
Tgt Ion: 59 Resp: 34208
Ion Ratio Lower Upper
59 100
57 16.6 11.9 17.9



#12
1,1-Dichloroethene
Concen: 72.381 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion: 96 Resp: 118739
Ion Ratio Lower Upper
96 100
61 231.6 186.9 280.3
98 64.2 53.0 79.4

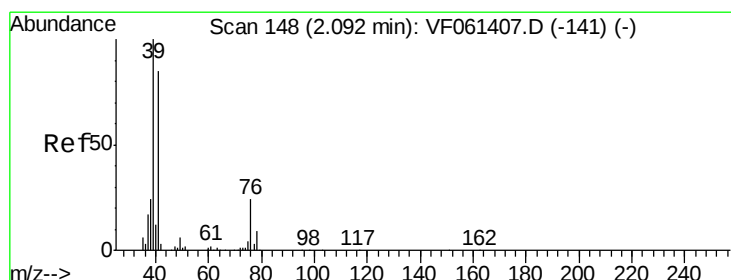
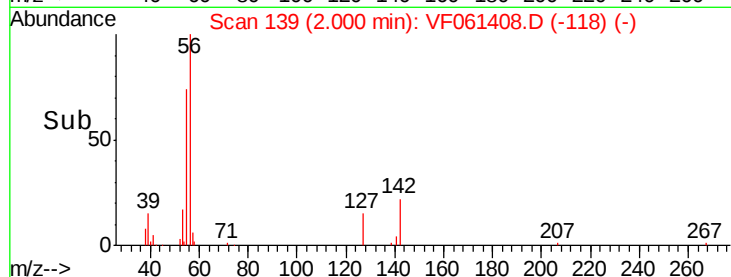
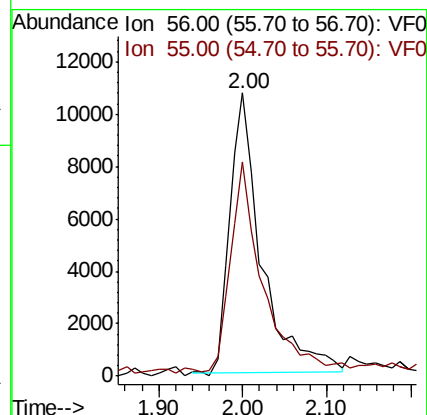
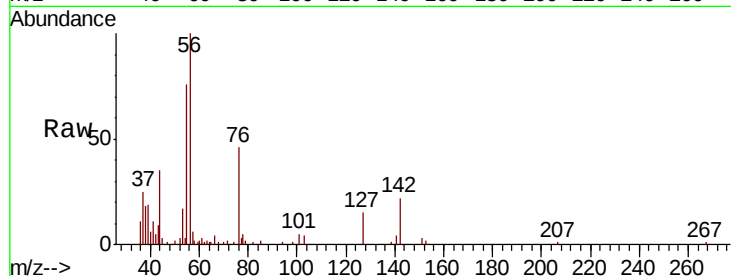




#13
Acrolein
Concen: 311.633 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

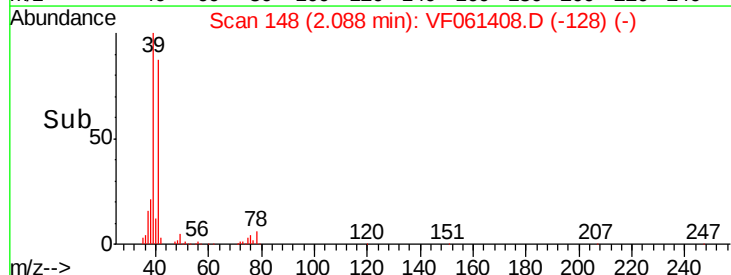
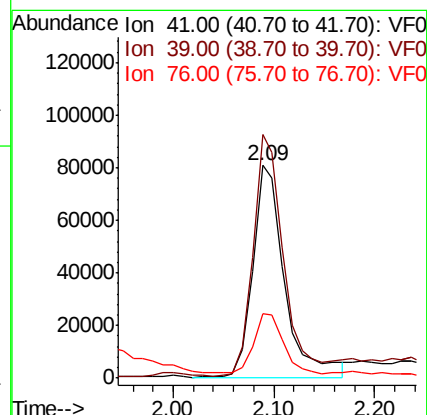
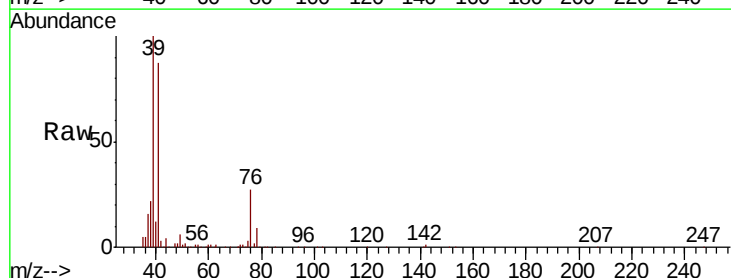
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

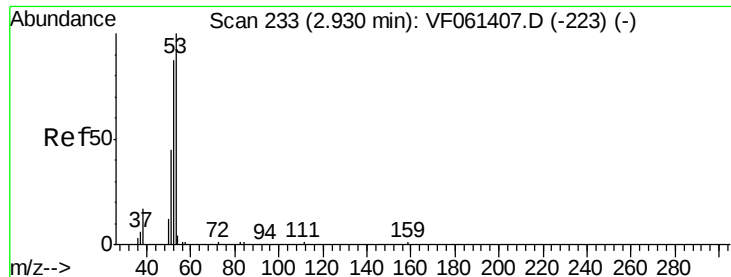
Tgt Ion: 56 Resp: 27584
Ion Ratio Lower Upper
56 100
55 75.8 57.5 86.3



#14
Allyl chloride
Concen: 60.317 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion: 41 Resp: 177992
Ion Ratio Lower Upper
41 100
39 114.4 94.6 141.8
76 30.4 25.9 38.9





#15

Acrylonitrile

Concen: 337.363 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

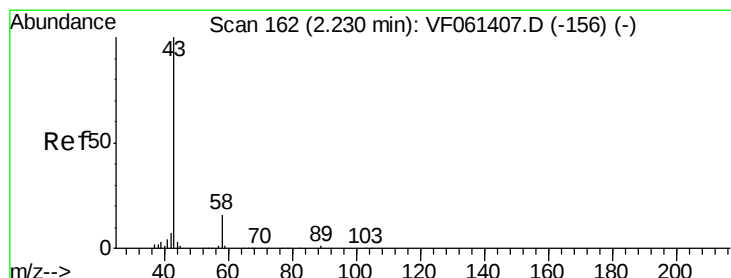
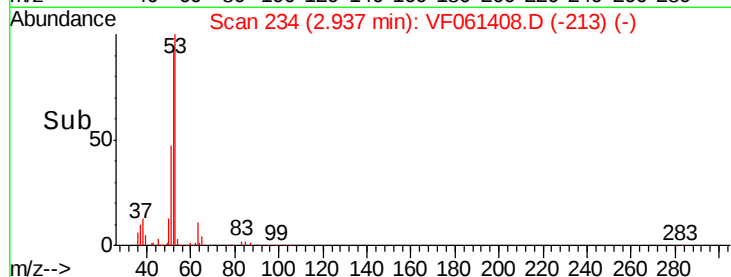
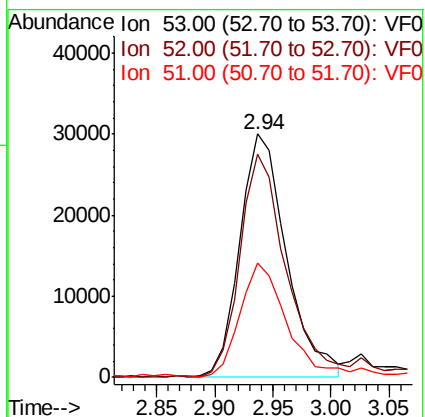
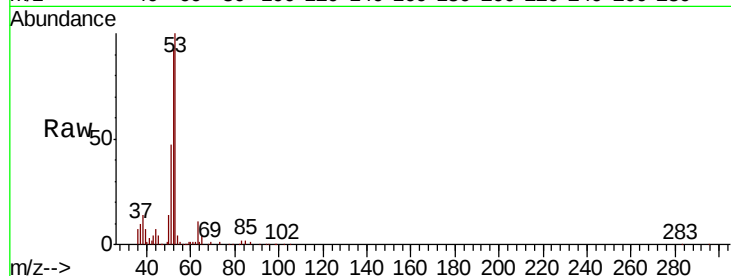
Tgt Ion: 53 Resp: 83685

Ion Ratio Lower Upper

53 100

52 91.8 69.6 104.4

51 47.1 36.8 55.2



#16

Acetone

Concen: 342.871 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061408.D

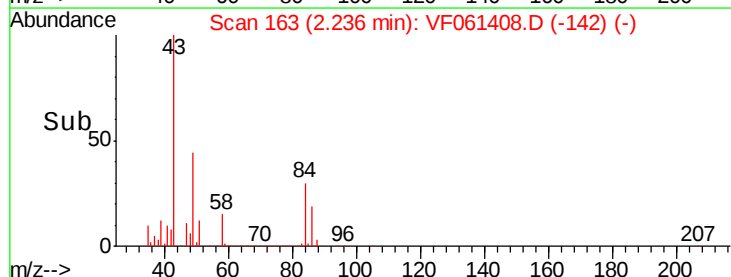
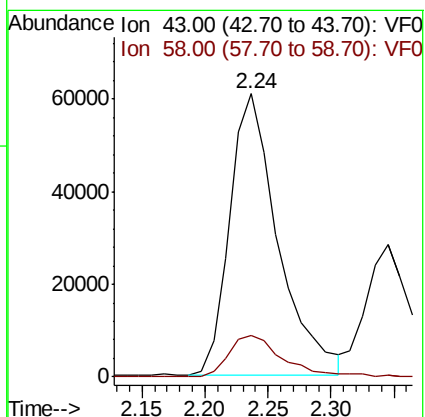
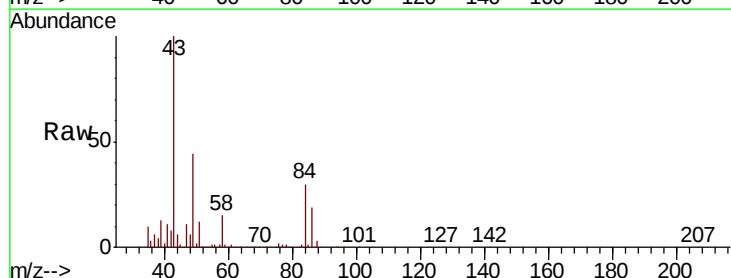
Acq: 15 Jan 2019 15:56

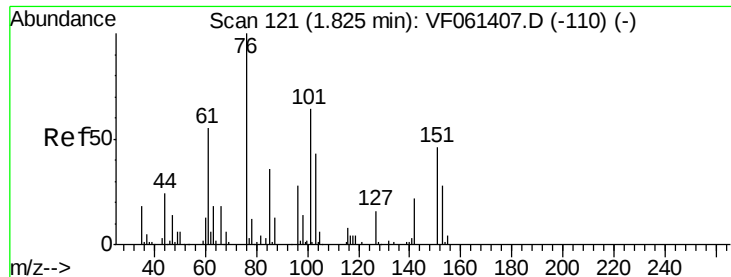
Tgt Ion: 43 Resp: 161984

Ion Ratio Lower Upper

43 100

58 14.8 13.3 19.9

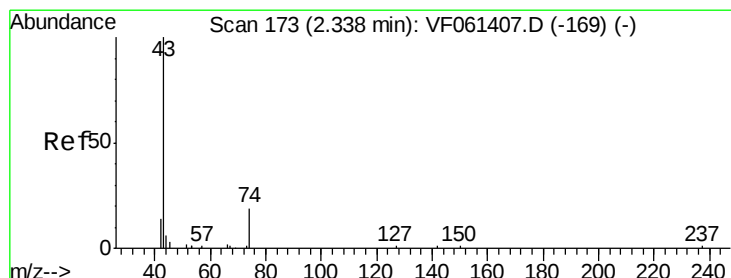
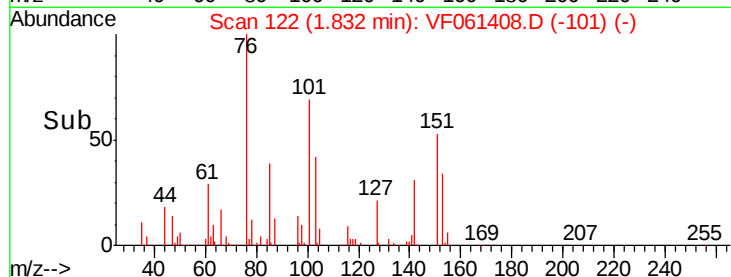
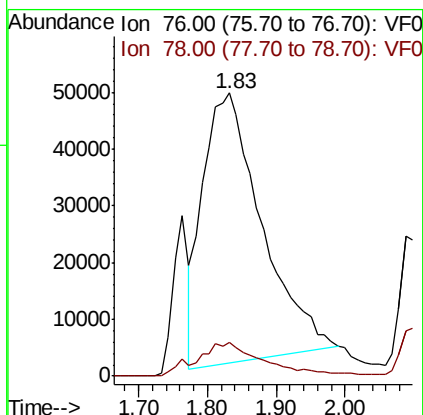
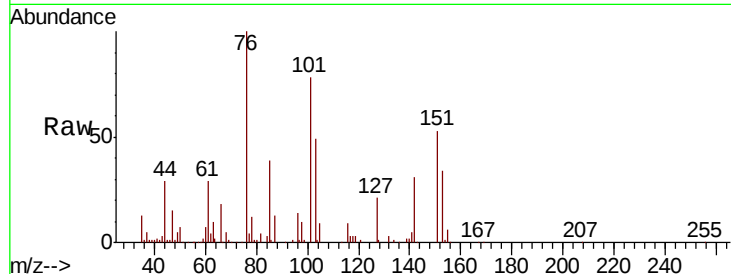




#17
Carbon Disulfide
Concen: 55.596 ug/l
RT: 1.83 min Scan# 122
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

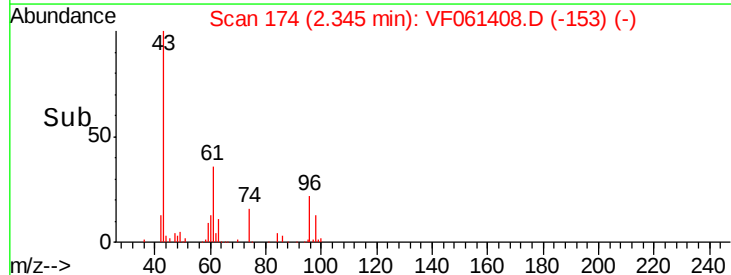
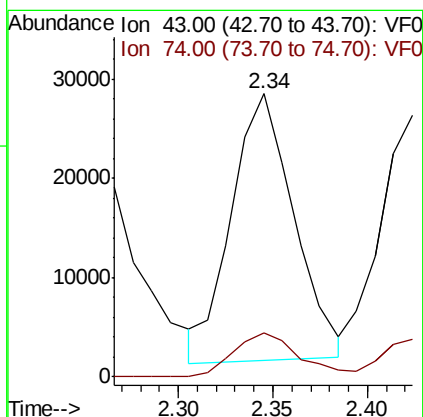
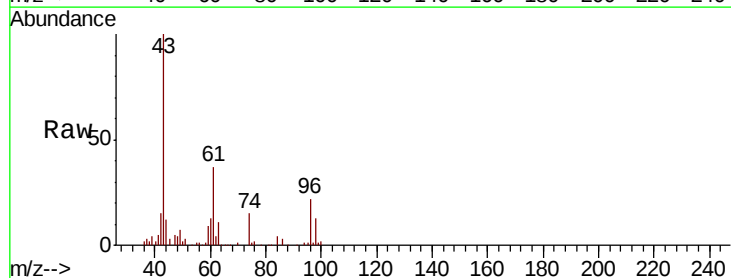
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

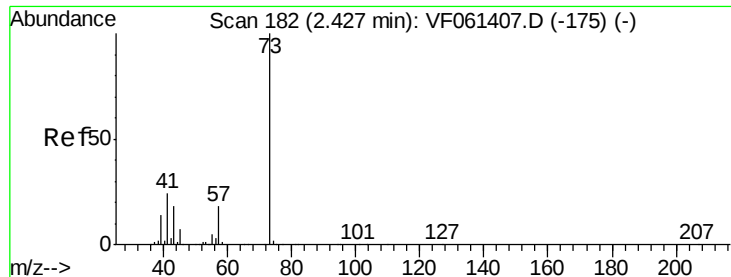
Tgt Ion: 76 Resp: 284499
Ion Ratio Lower Upper
76 100
78 12.0 9.6 14.4



#18
Methyl Acetate
Concen: 55.273 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion: 43 Resp: 61612
Ion Ratio Lower Upper
43 100
74 15.5 13.4 20.0

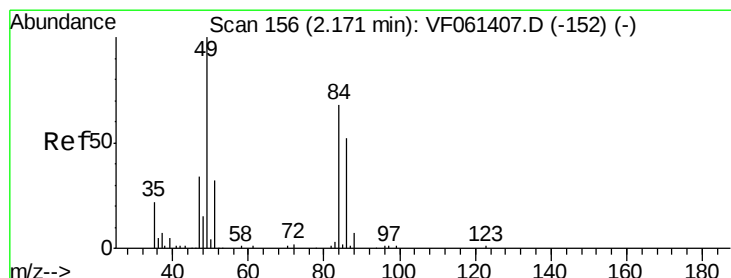
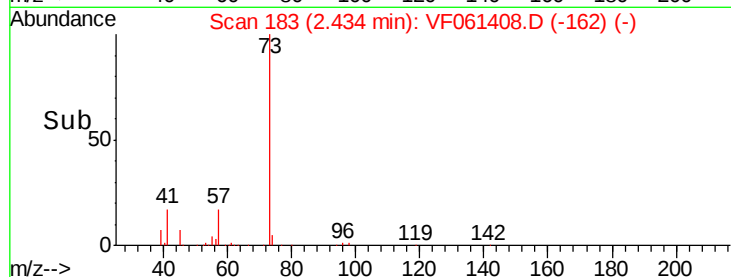
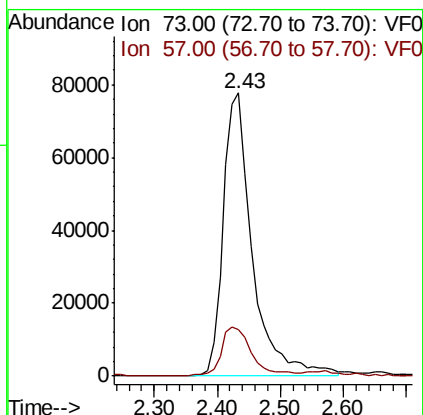
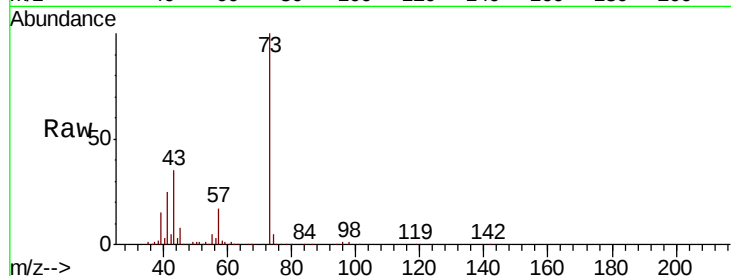




#19
Methyl tert-butyl Ether
Concen: 68.130 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

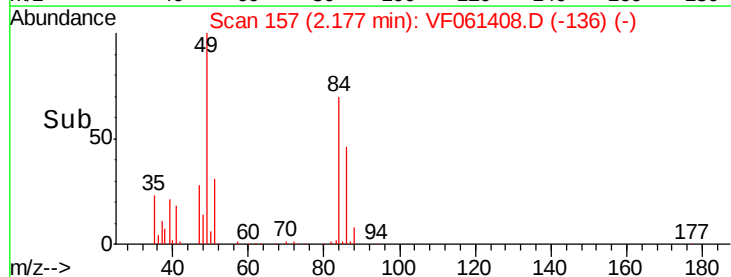
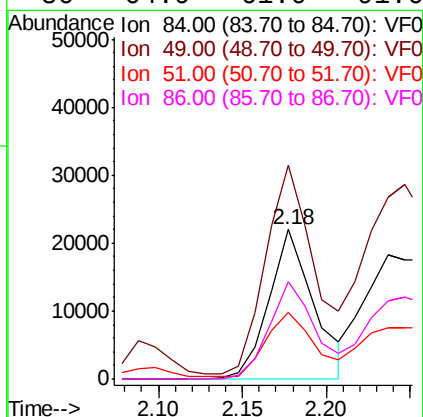
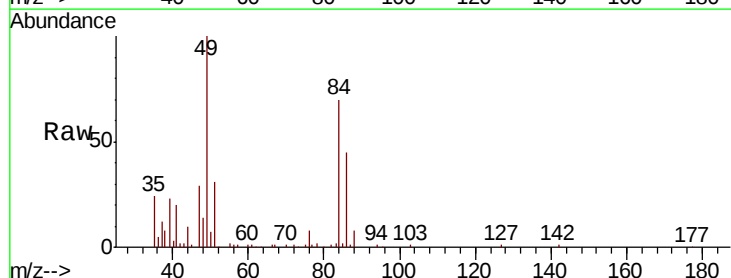
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

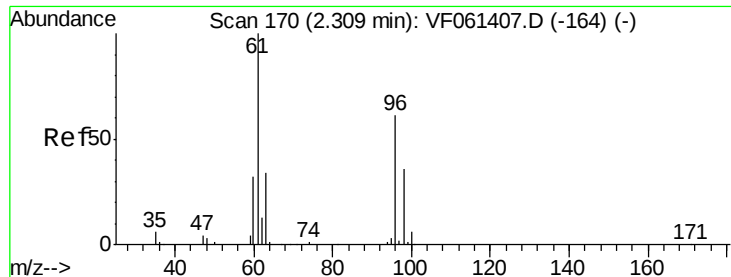
Tgt Ion: 73 Resp: 249101
Ion Ratio Lower Upper
73 100
57 16.7 14.8 22.2



#20
Methylene Chloride
Concen: 21.952 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion: 84 Resp: 40789
Ion Ratio Lower Upper
84 100
49 142.8 120.0 180.0
51 44.9 38.6 58.0
86 64.9 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 67.589 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

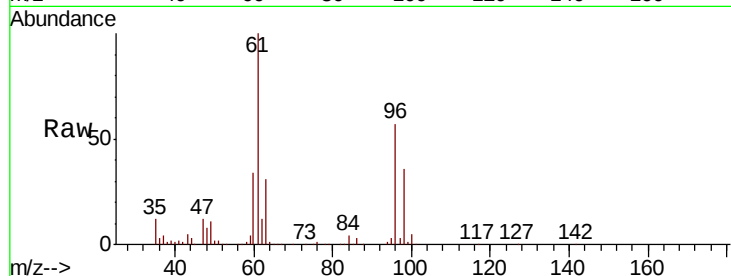
Tgt Ion: 96 Resp: 123182

Ion Ratio Lower Upper

96 100

61 174.2 131.8 197.8

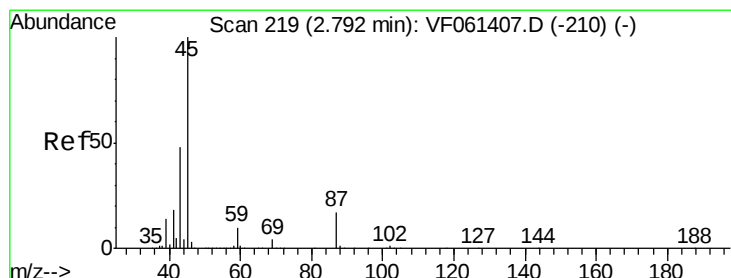
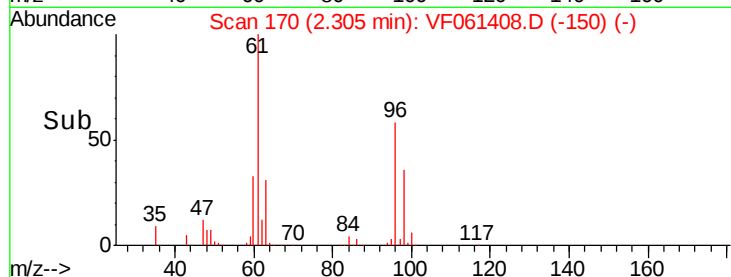
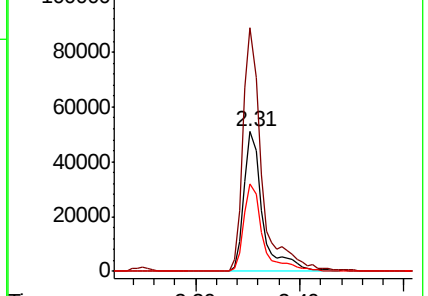
98 62.5 47.4 71.0



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: 69.647 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Tgt Ion: 45 Resp: 399724

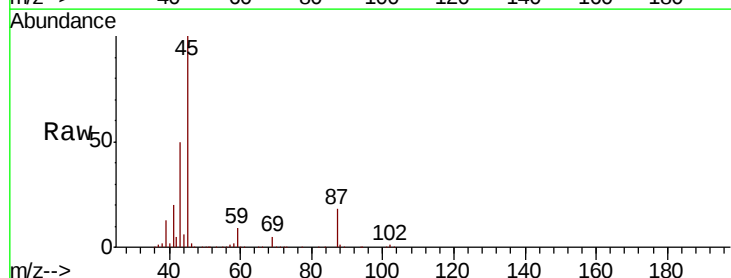
Ion Ratio Lower Upper

45 100

43 50.3 39.0 58.6

87 17.8 13.9 20.9

59 9.1 7.8 11.6

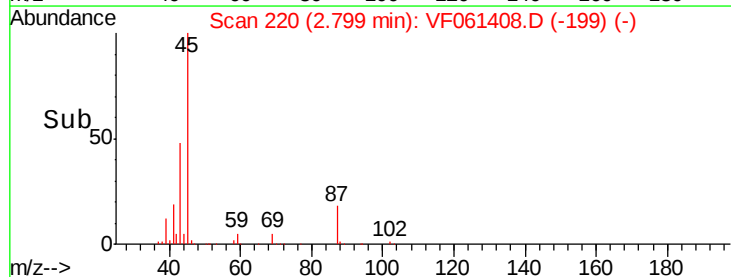
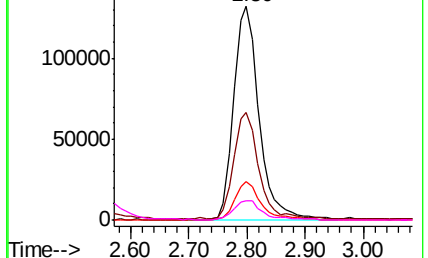


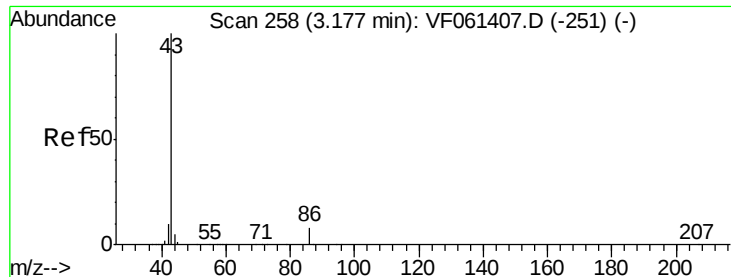
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 441.302 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

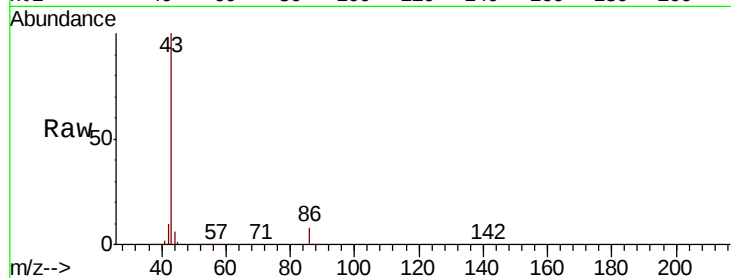
VSTDIC075

Tgt Ion: 43 Resp: 963628

Ion Ratio Lower Upper

43 100

86 8.3 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

400000

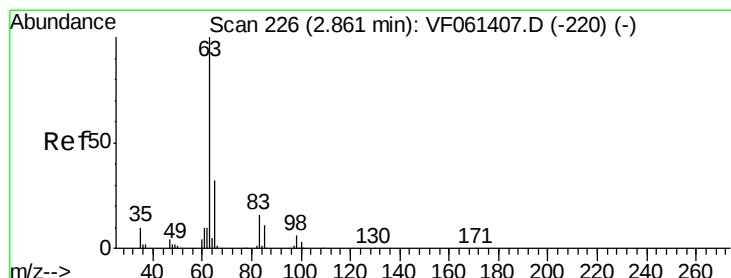
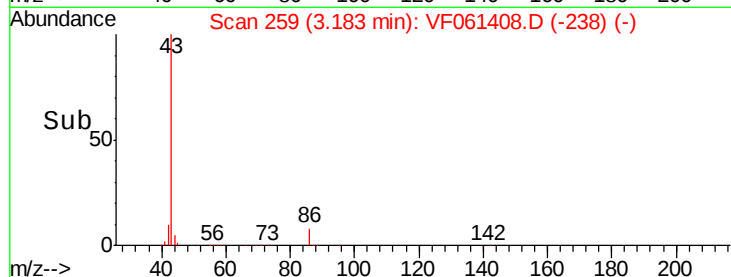
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 69.061 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

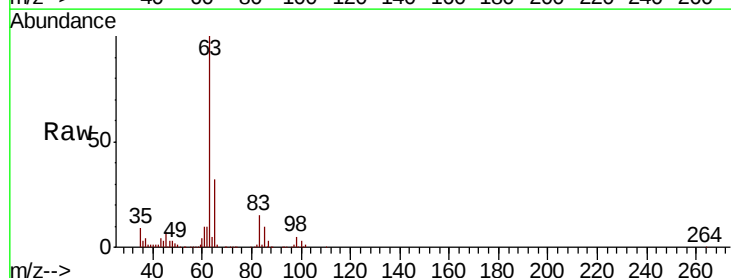
Tgt Ion: 63 Resp: 252402

Ion Ratio Lower Upper

63 100

98 4.6 2.9 8.8

100 3.2 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

120000

100000

80000

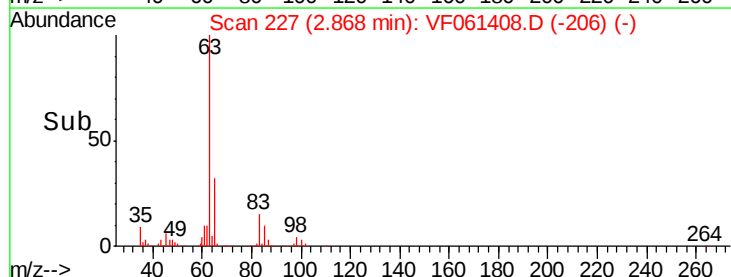
60000

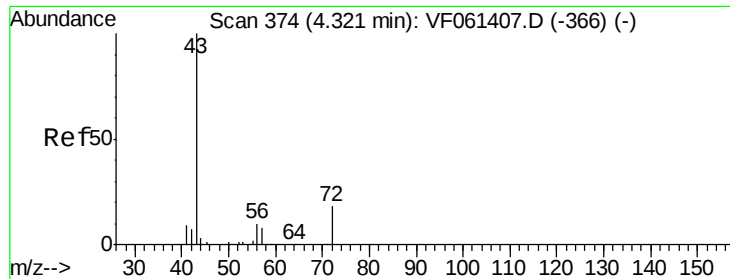
40000

20000

0

Time-->





#25

2-Butanone

Concen: 346.005 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

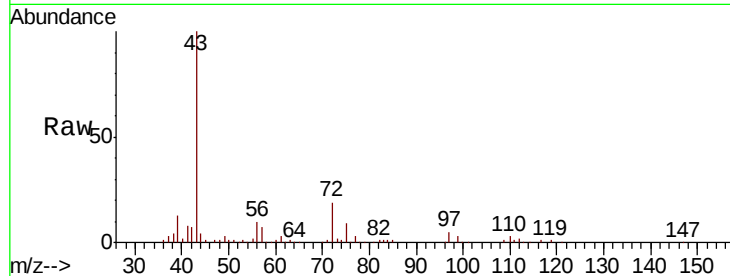
VSTDIC075

Tgt Ion: 43 Resp: 260363

Ion Ratio Lower Upper

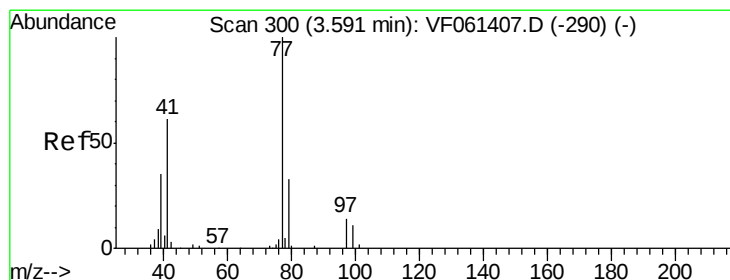
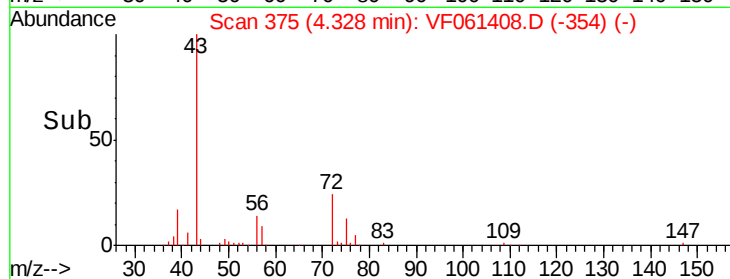
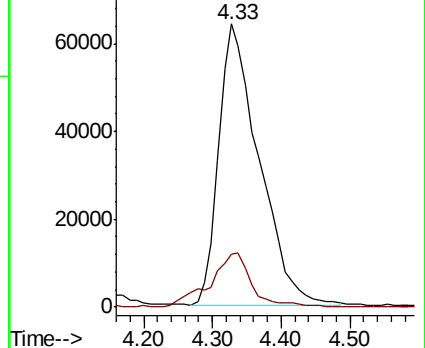
43 100

72 18.8 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 60.172 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061408.D

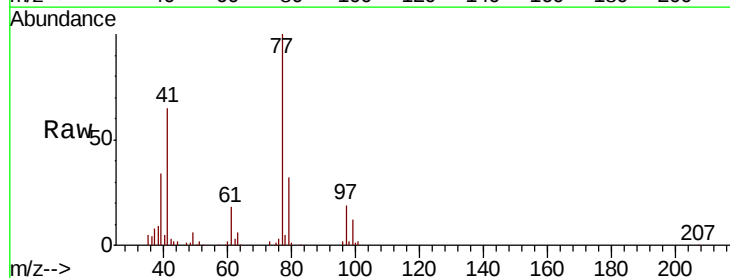
Acq: 15 Jan 2019 15:56

Tgt Ion: 77 Resp: 141672

Ion Ratio Lower Upper

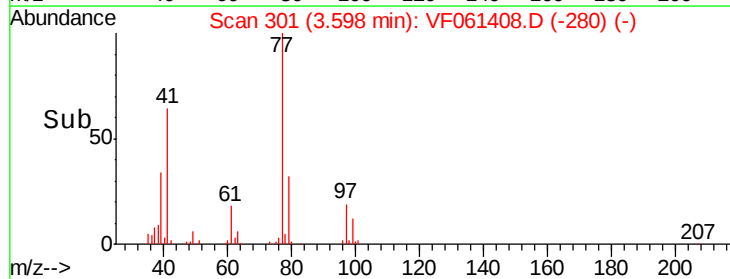
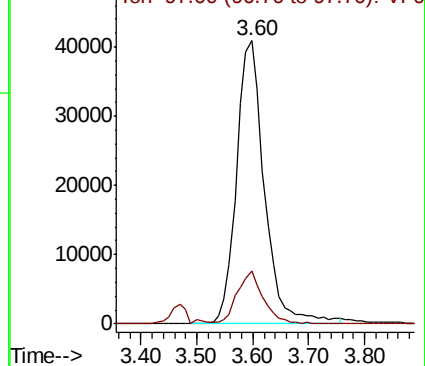
77 100

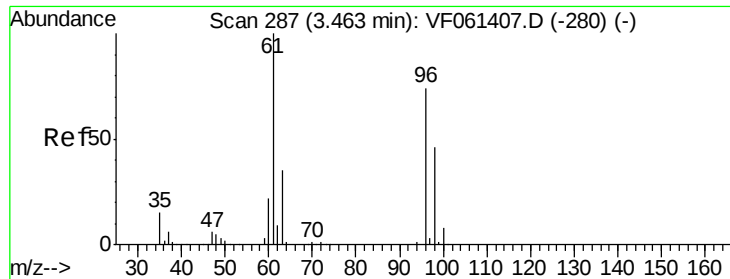
97 18.6 8.5 25.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



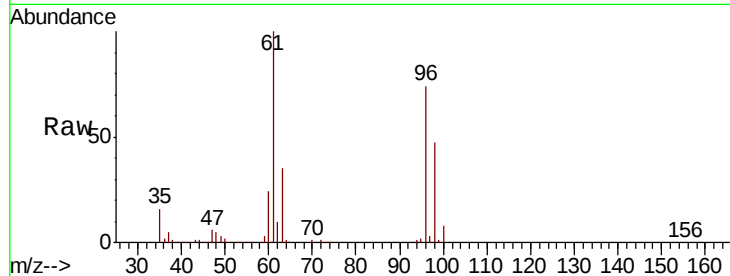


#27

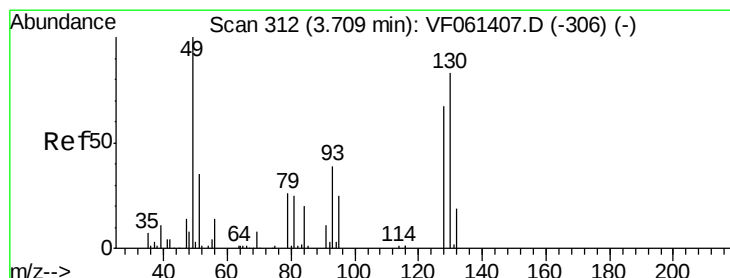
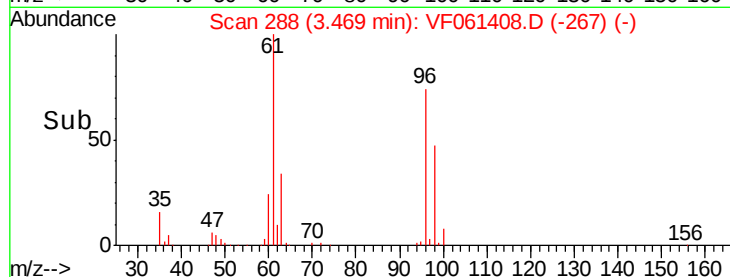
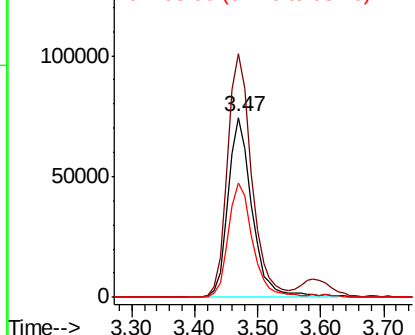
cis-1,2-Dichloroethene
Concen: 74.751 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	270.2
98	63.6	0.0	124.0



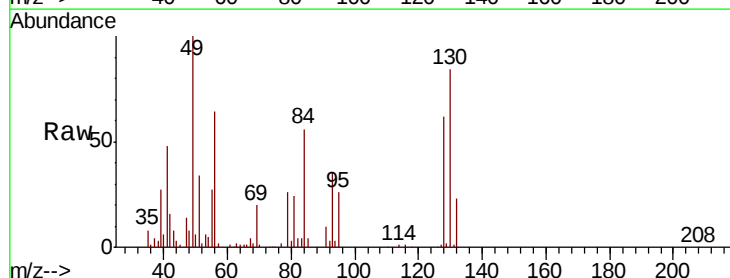
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



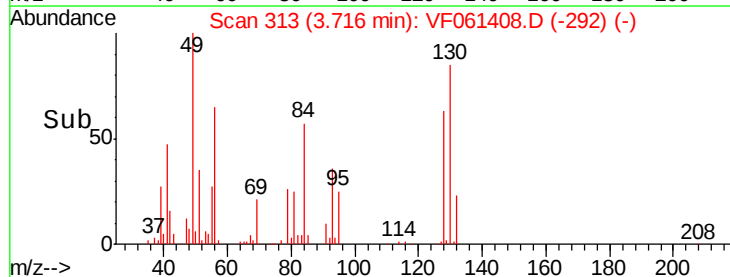
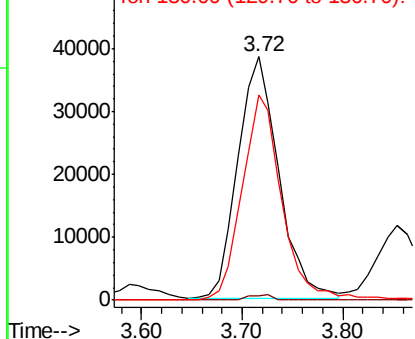
#28

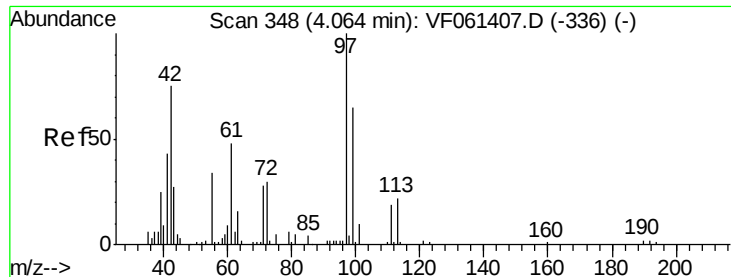
Bromochloromethane
Concen: 64.175 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	0.0#
130	84.1	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: 333.760 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

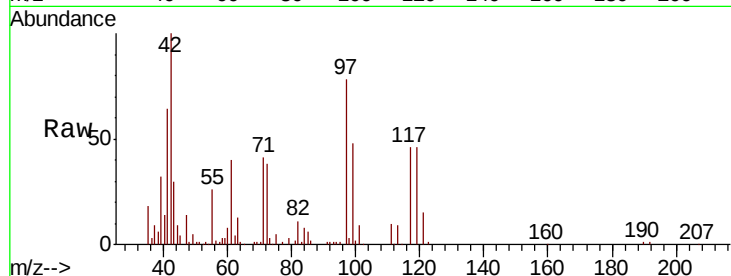
Tgt Ion: 42 Resp: 110497

Ion Ratio Lower Upper

42 100

72 40.6 28.9 43.3

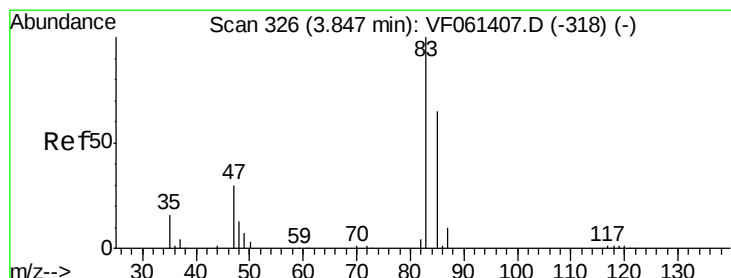
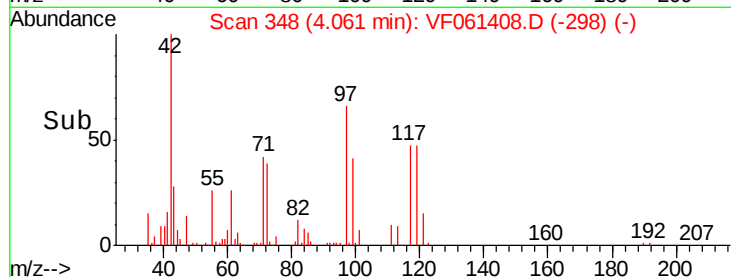
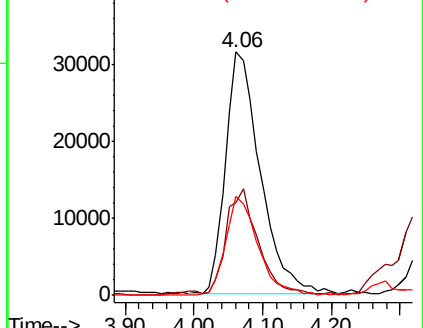
71 38.3 29.6 44.4



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: 70.467 ug/l

RT: 3.85 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF061408.D

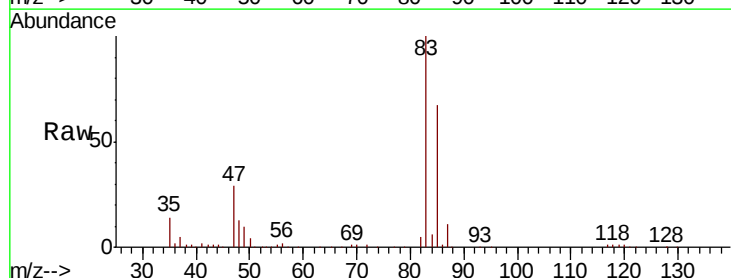
Acq: 15 Jan 2019 15:56

Tgt Ion: 83 Resp: 347561

Ion Ratio Lower Upper

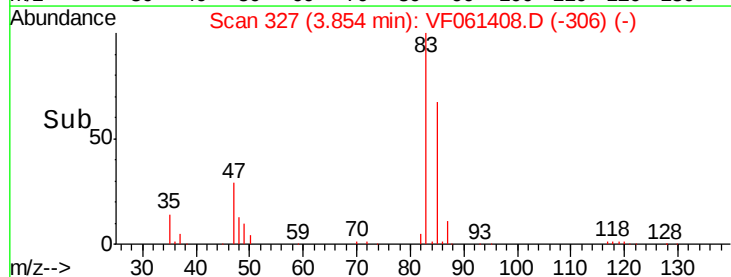
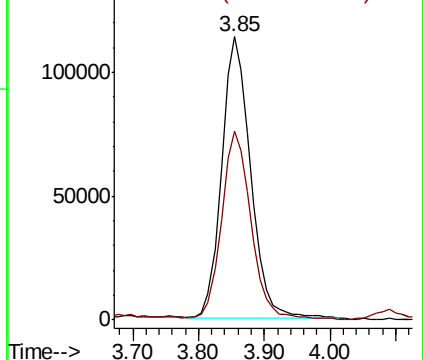
83 100

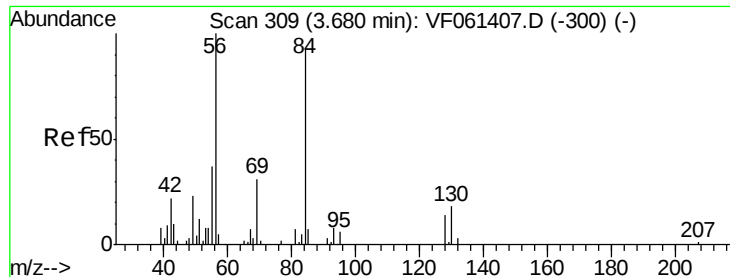
85 66.7 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 39.010 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

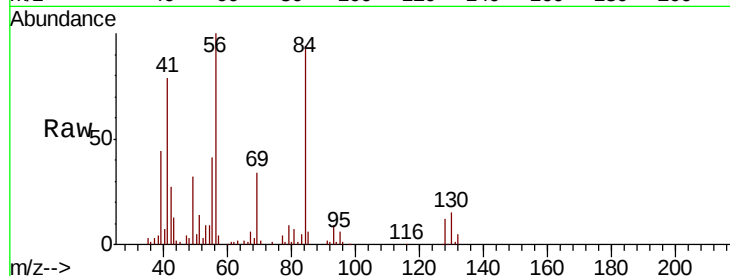
Tgt Ion: 56 Resp: 145487

Ion Ratio Lower Upper

56 100

69 33.9 24.6 36.8

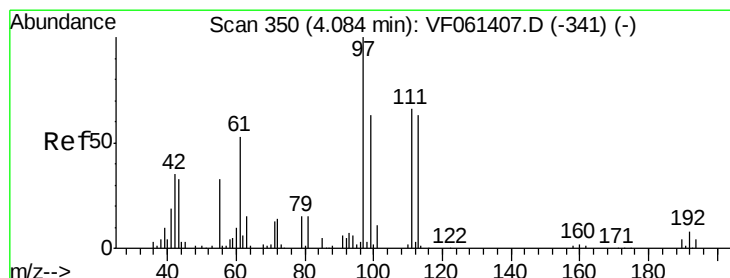
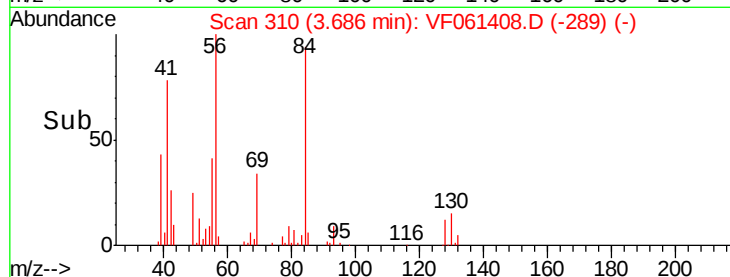
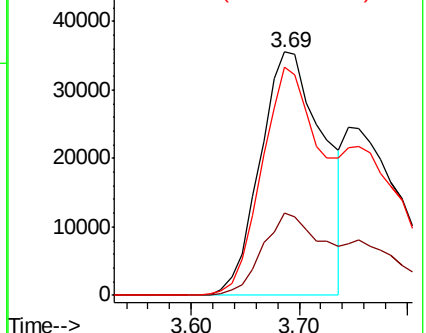
84 93.5 74.2 111.2



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: 67.885 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

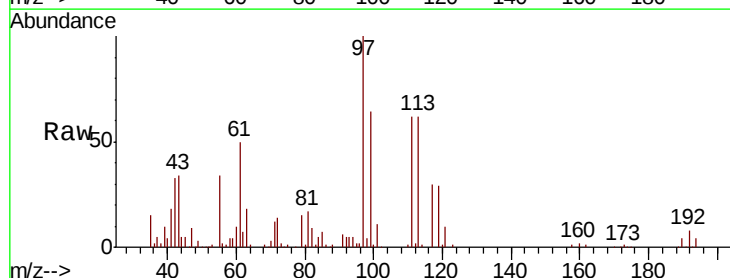
Tgt Ion: 97 Resp: 254618

Ion Ratio Lower Upper

97 100

99 64.3 50.1 75.1

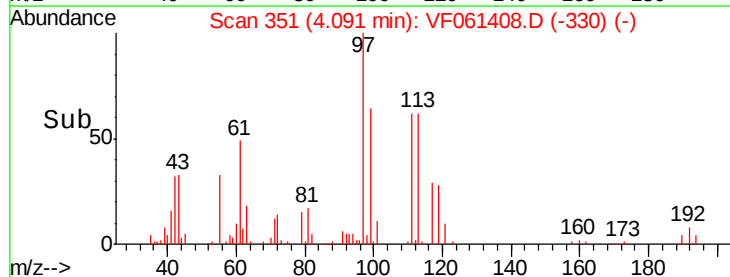
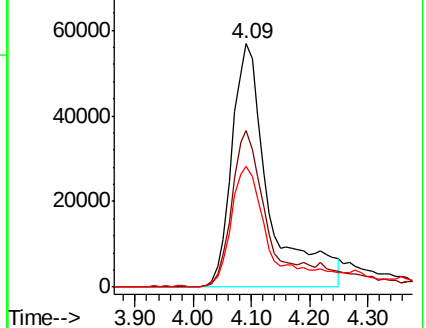
61 49.6 43.1 64.7

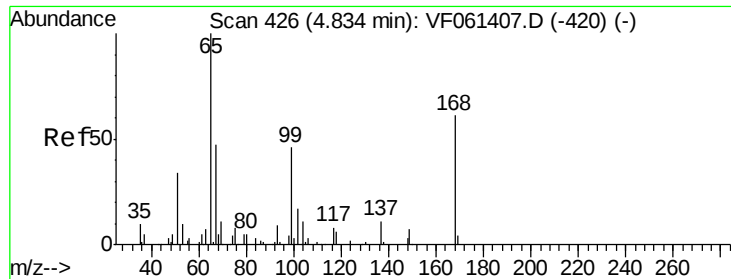


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 74.336 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

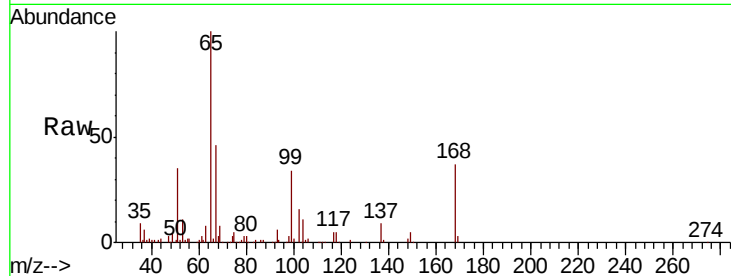
VSTDIC075

Tgt Ion: 65 Resp: 162634

Ion Ratio Lower Upper

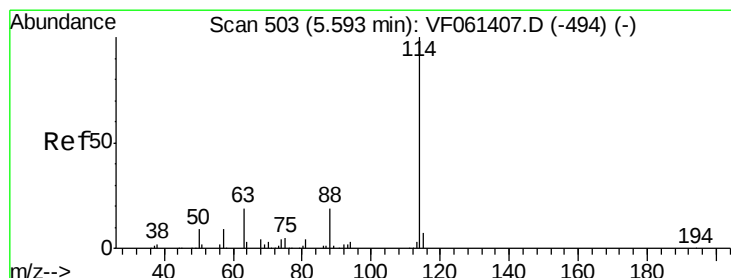
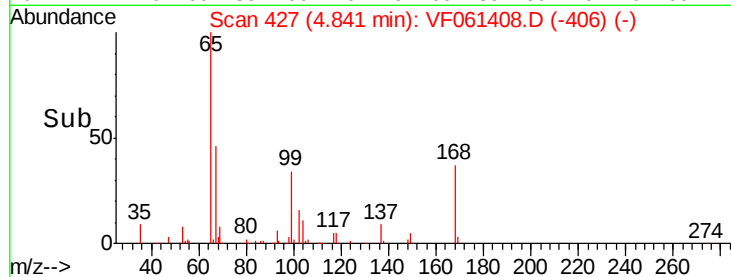
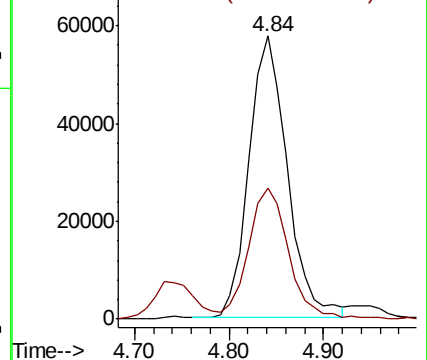
65 100

67 46.1 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

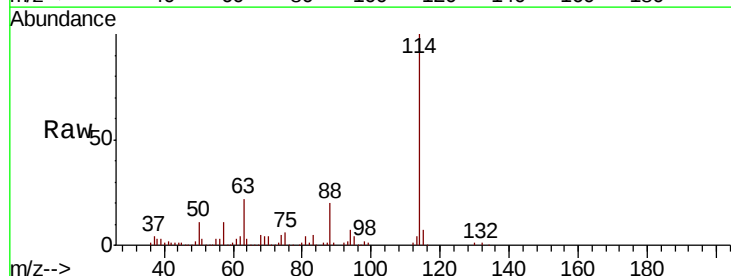
Tgt Ion: 114 Resp: 319582

Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.0

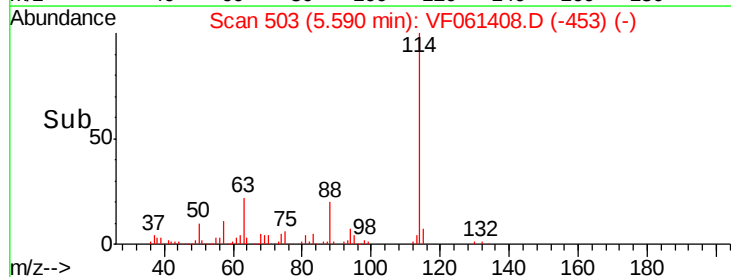
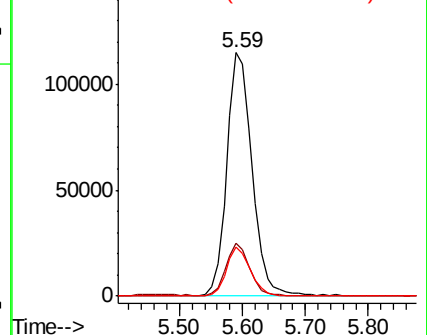
88 19.9 0.0 37.4

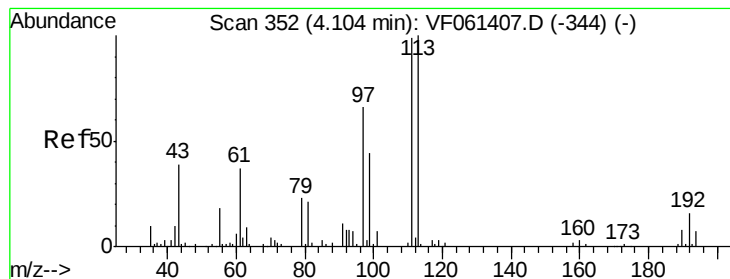


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 68.249 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

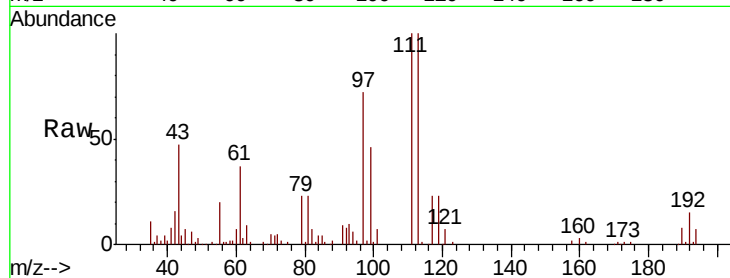
Tgt Ion: 113 Resp: 176312

Ion Ratio Lower Upper

113 100

111 100.0 79.4 119.0

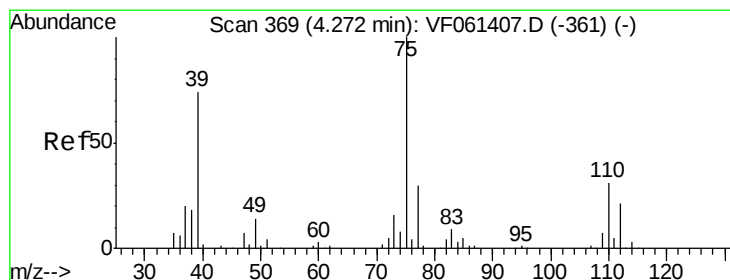
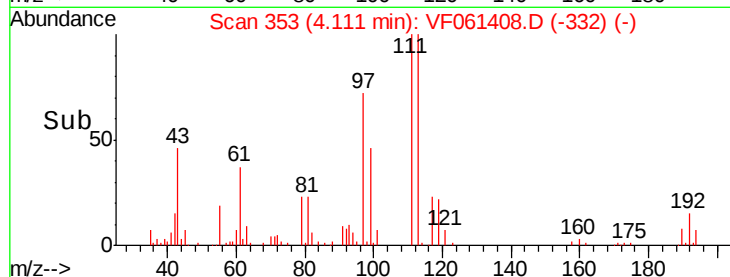
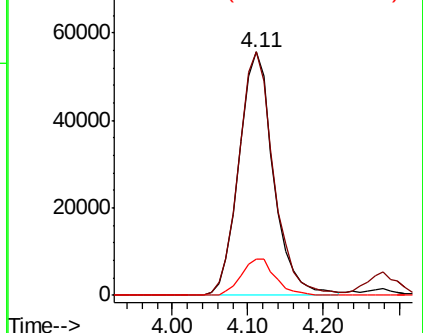
192 14.9 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 64.584 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

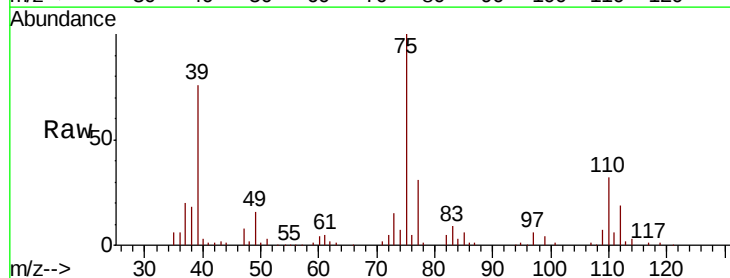
Tgt Ion: 75 Resp: 244759

Ion Ratio Lower Upper

75 100

110 32.0 15.8 47.3

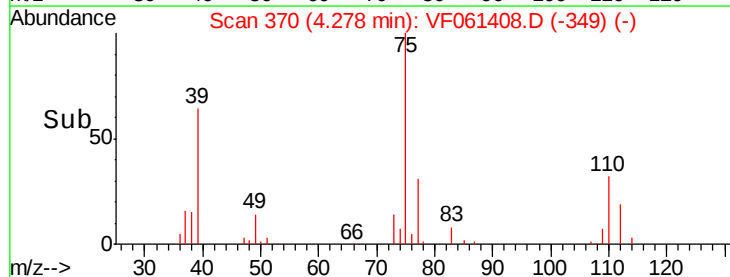
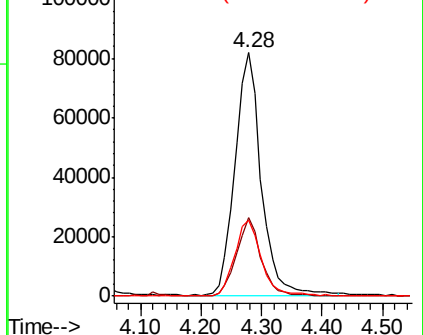
77 31.1 24.0 36.0

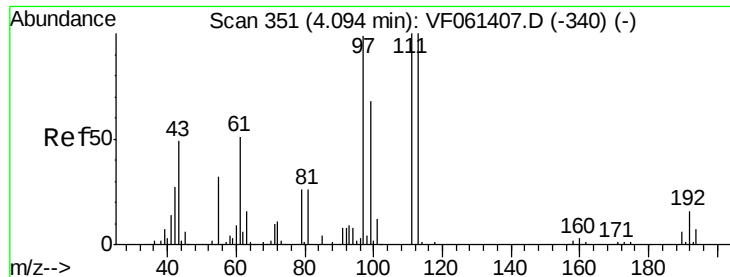


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 66.297 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.02 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

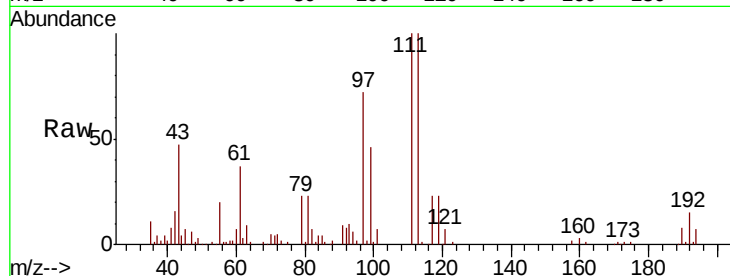
Tgt Ion: 43 Resp: 102017

Ion Ratio Lower Upper

43 100

61 79.2 81.7 122.5#

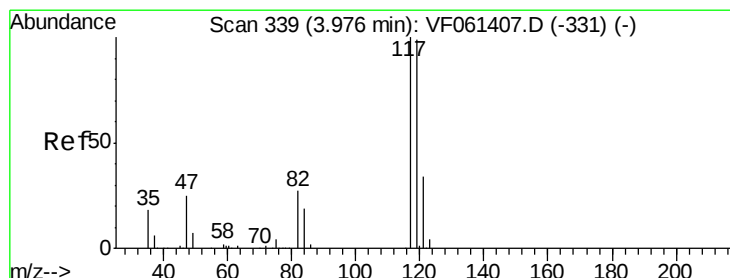
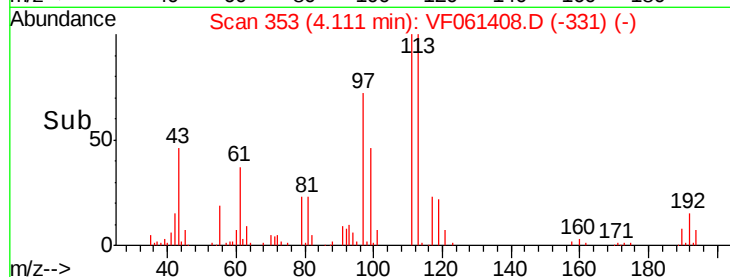
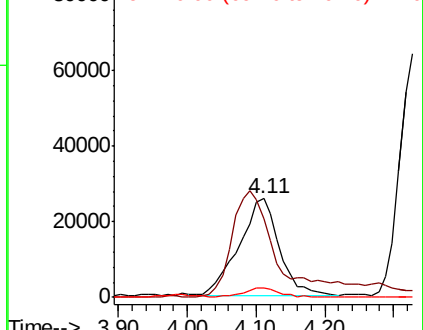
70 10.0 6.2 9.2#



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: 51.217 ug/l

RT: 3.99 min Scan# 341

Delta R.T. 0.02 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

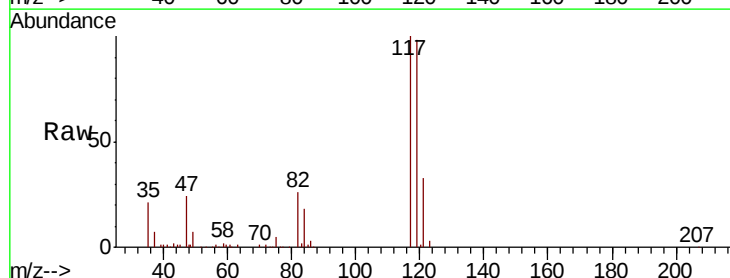
Tgt Ion: 117 Resp: 210286

Ion Ratio Lower Upper

117 100

119 98.1 79.0 118.6

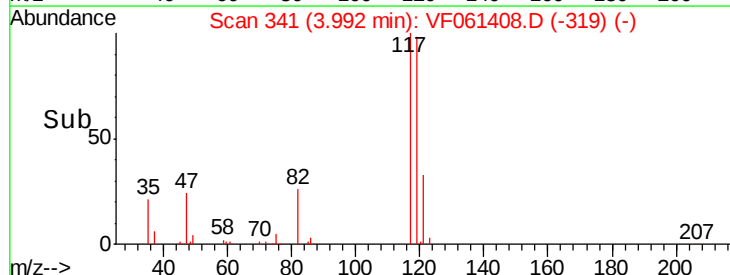
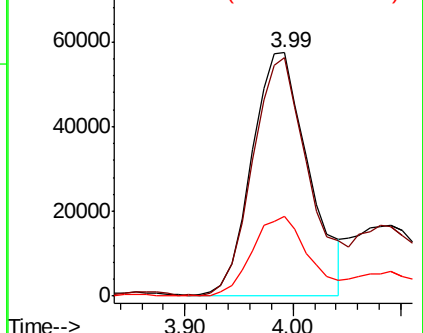
121 32.6 27.0 40.6



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

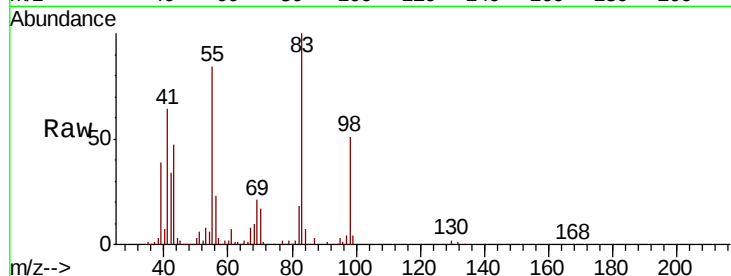




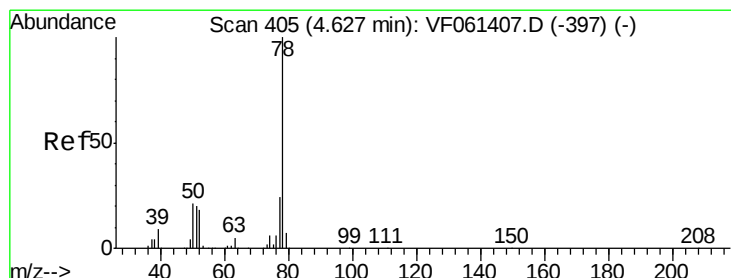
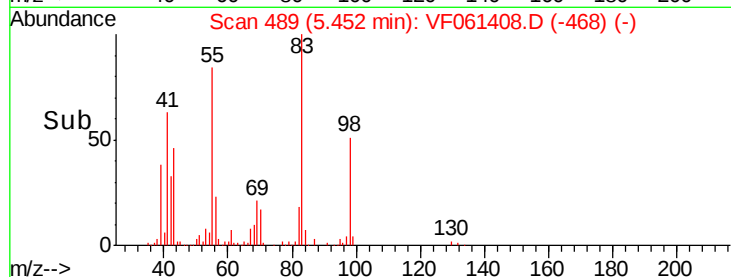
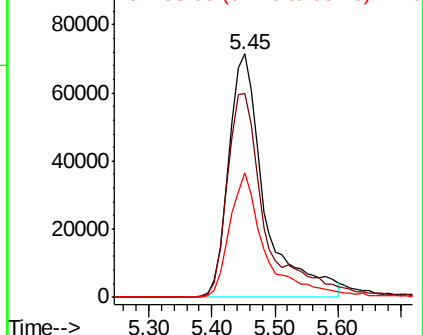
#39
Methylcyclohexane
Concen: 67.574 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion: 83 Resp: 282738
Ion Ratio Lower Upper
83 100
55 83.7 67.4 101.2
98 51.4 36.7 55.1

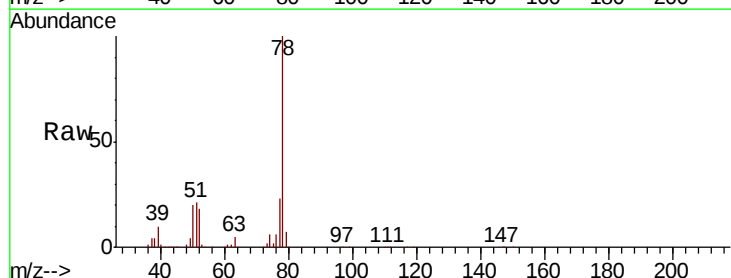


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

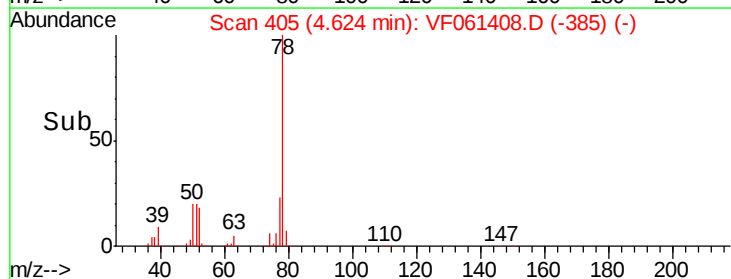
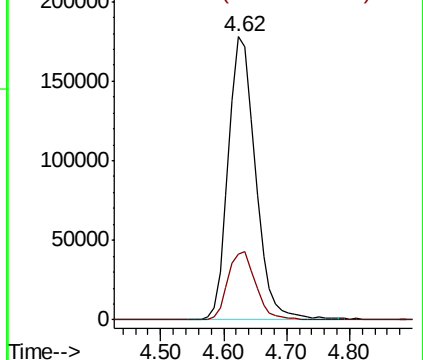


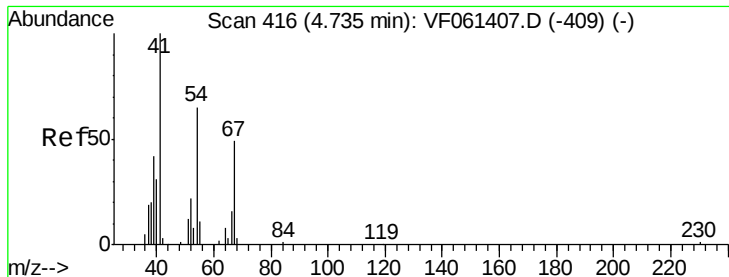
#40
Benzene
Concen: 62.194 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion: 78 Resp: 534515
Ion Ratio Lower Upper
78 100
77 23.3 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: 60.504 ug/l

RT: 4.74 min Scan# 417

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 49039

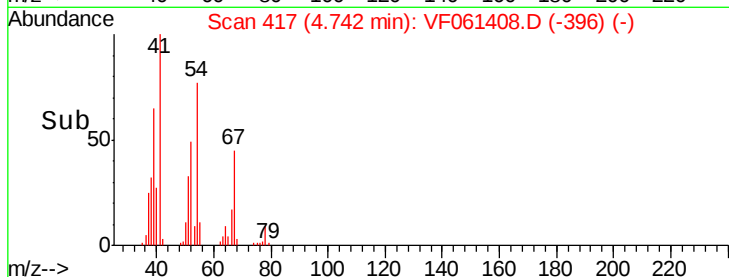
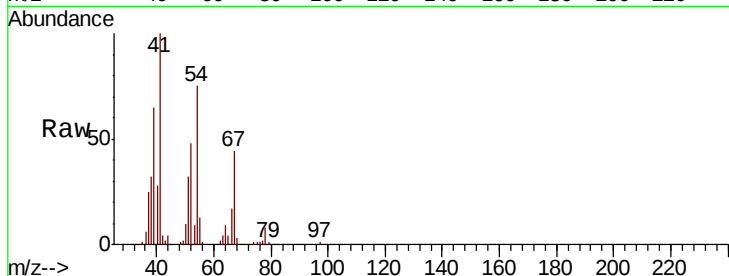
Ion Ratio Lower Upper

41 100

39 65.2 43.1 64.7#

67 43.8 38.8 58.2

52 47.8 33.2 49.8

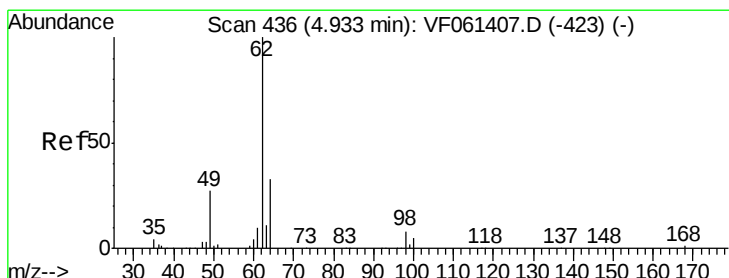
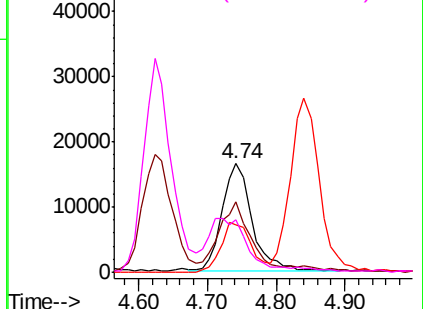


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 72.026 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.01 min

Lab File: VF061408.D

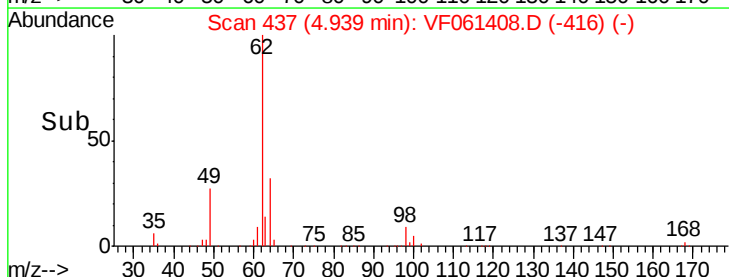
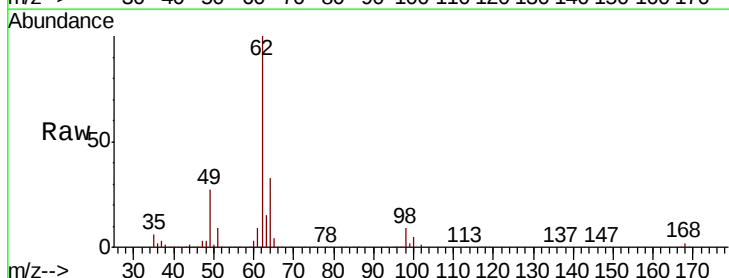
Acq: 15 Jan 2019 15:56

Tgt Ion: 62 Resp: 214549

Ion Ratio Lower Upper

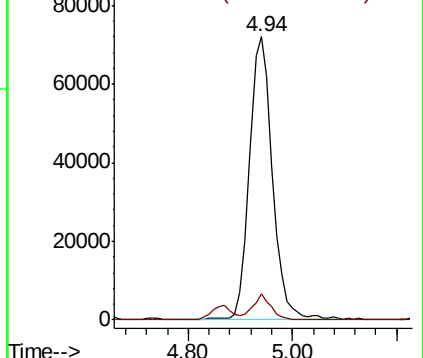
62 100

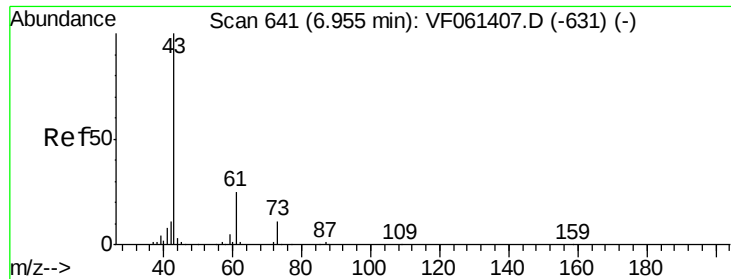
98 9.1 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 71.939 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

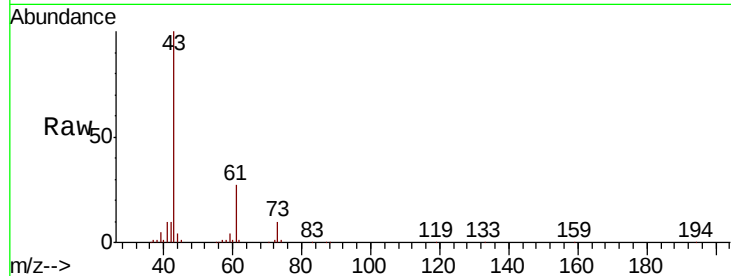
Tgt Ion: 43 Resp: 132364

Ion Ratio Lower Upper

43 100

61 26.9 20.3 30.5

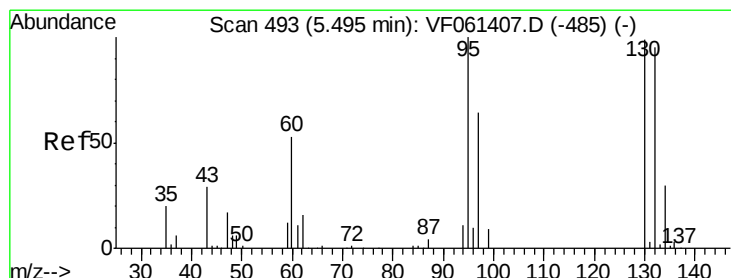
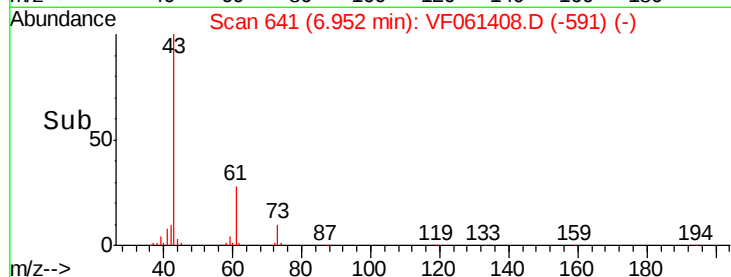
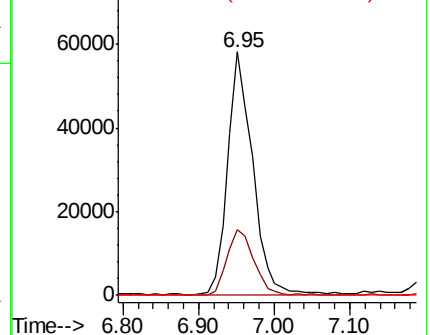
87 0.4 0.5 0.7#



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: 69.500 ug/l

RT: 5.50 min Scan# 494

Delta R.T. 0.01 min

Lab File: VF061408.D

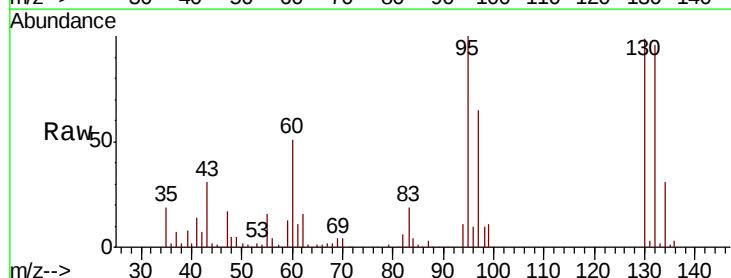
Acq: 15 Jan 2019 15:56

Tgt Ion: 130 Resp: 183493

Ion Ratio Lower Upper

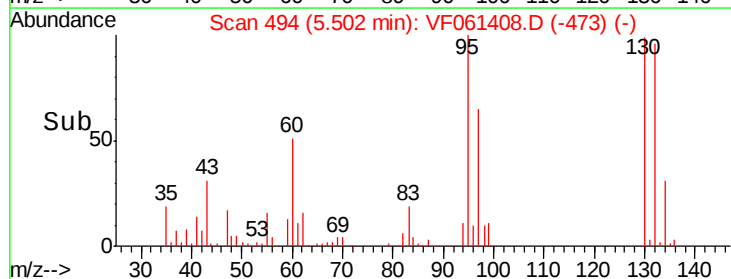
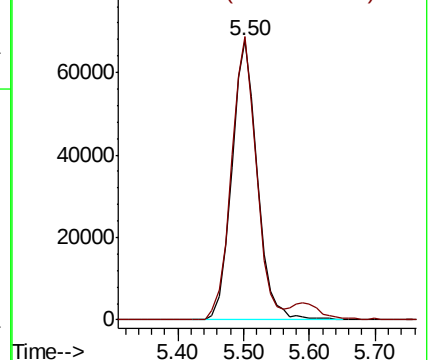
130 100

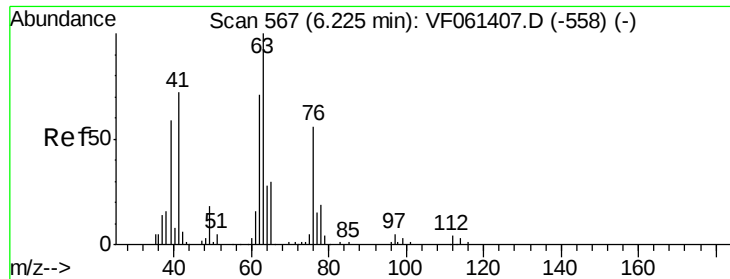
95 101.4 0.0 202.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

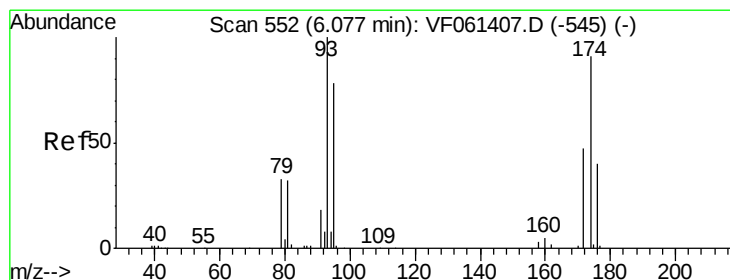
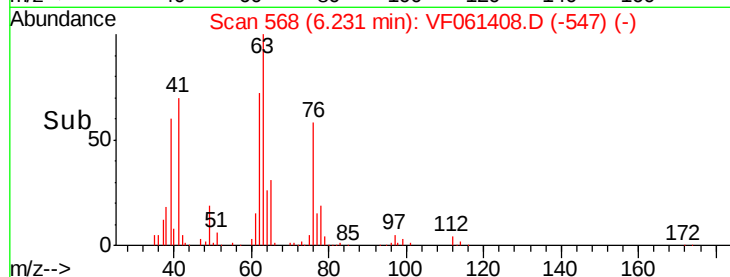
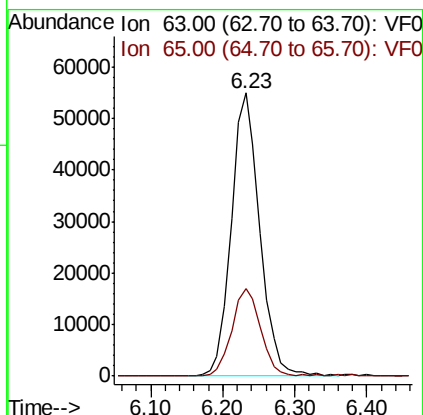
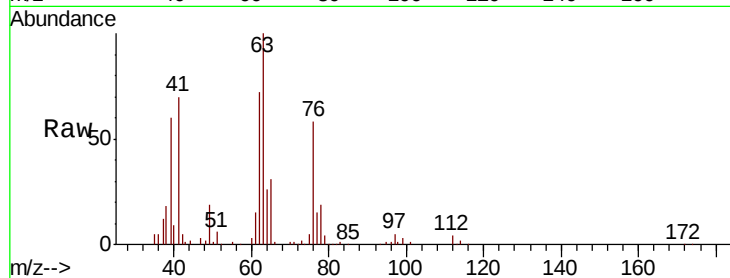




#45
 1,2-Dichloropropane
 Concen: 68.665 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

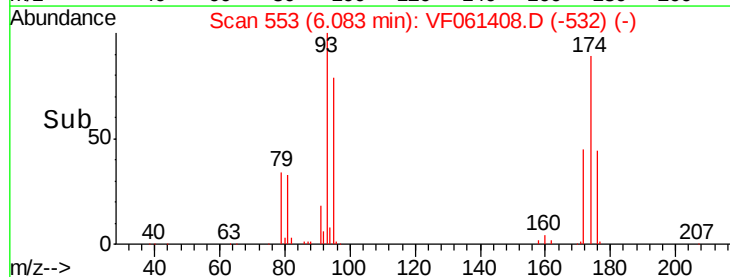
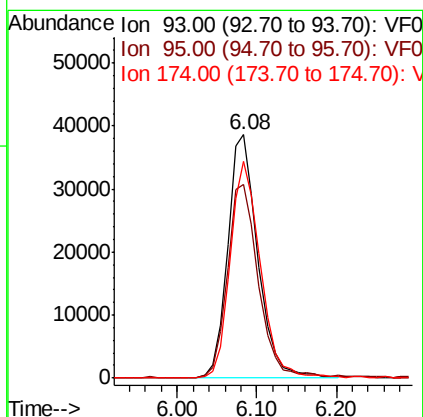
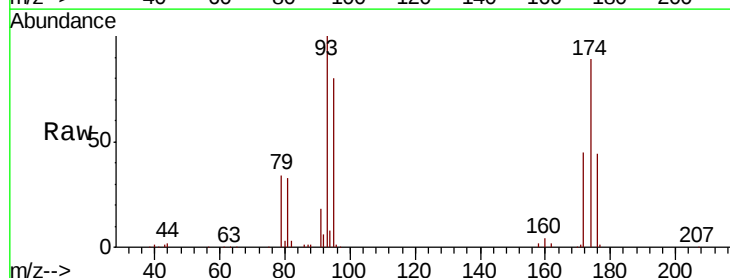
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion: 63 Resp: 151272
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.4 36.6



#46
 Dibromomethane
 Concen: 70.738 ug/l
 RT: 6.08 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Tgt Ion: 93 Resp: 102172
 Ion Ratio Lower Upper
 93 100
 95 79.8 62.1 93.1
 174 88.8 74.6 111.8





#47

Bromodichloromethane

Concen: 76.004 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

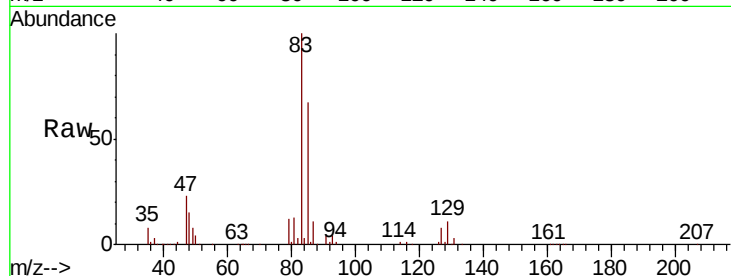
Tgt Ion: 83 Resp: 268613

Ion Ratio Lower Upper

83 100

85 67.5 53.0 79.4

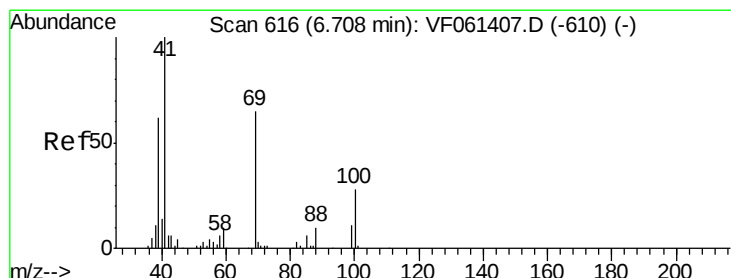
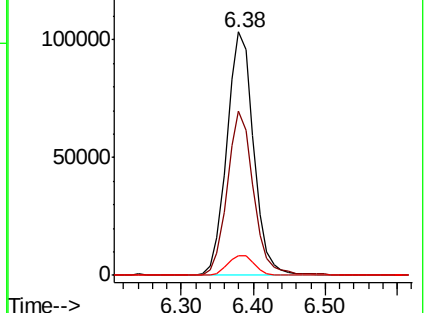
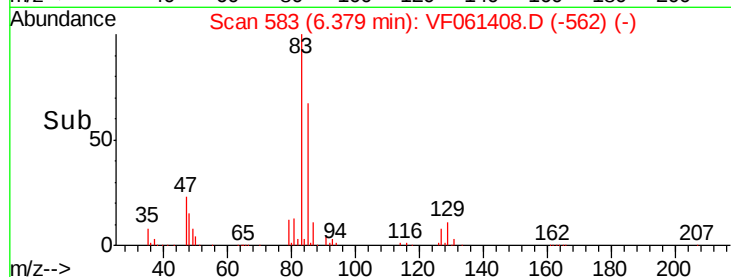
127 8.3 6.9 10.3



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: 74.195 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

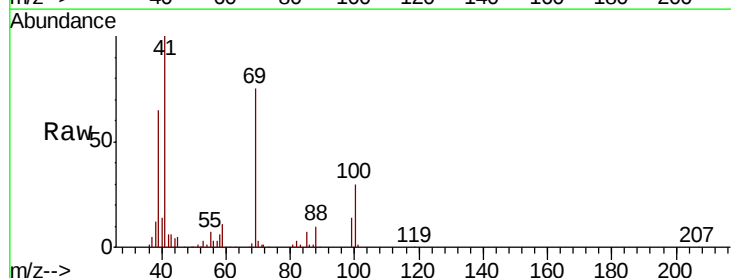
Tgt Ion: 41 Resp: 92164

Ion Ratio Lower Upper

41 100

69 74.9 51.7 77.5

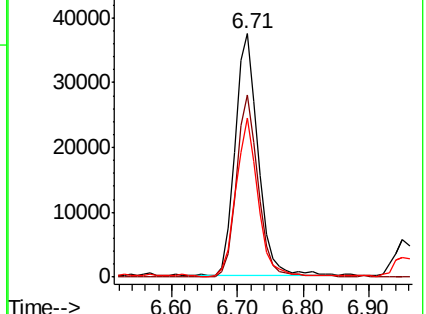
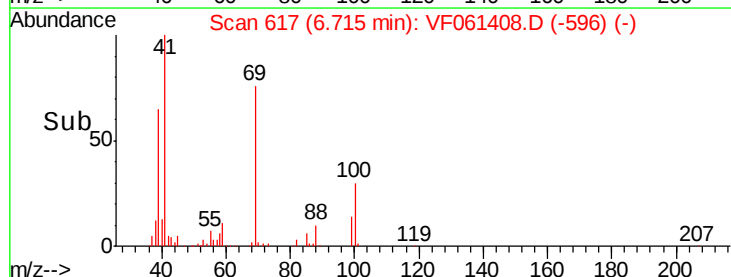
39 65.4 49.2 73.8

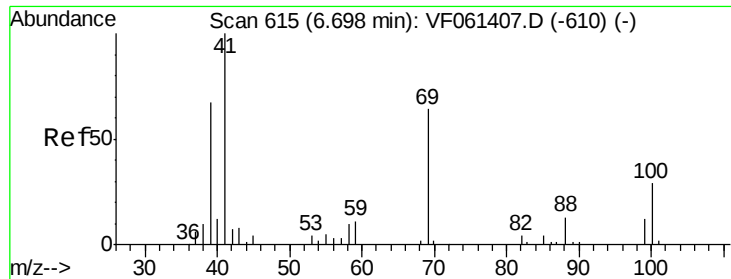


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1540.934 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

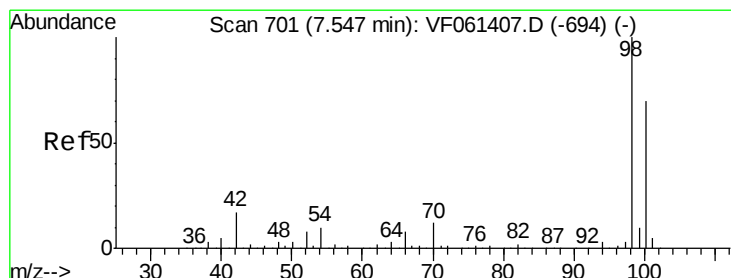
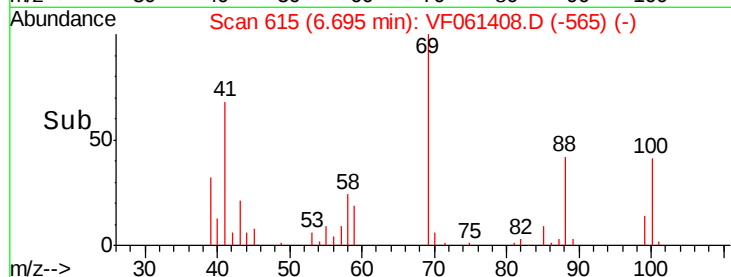
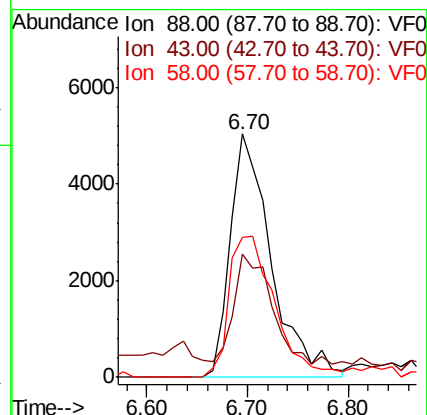
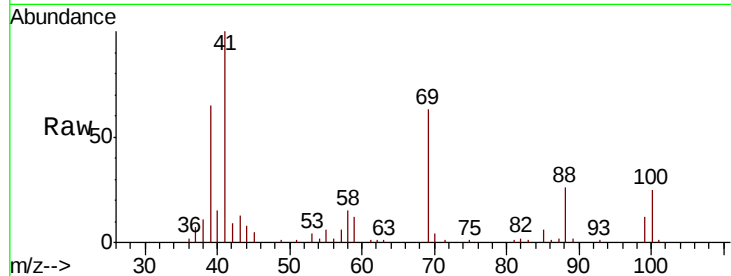
Tgt Ion: 88 Resp: 14297

Ion Ratio Lower Upper

88 100

43 50.7 55.5 83.3#

58 57.7 59.9 89.9#



#50

Toluene-d8

Concen: 69.949 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061408.D

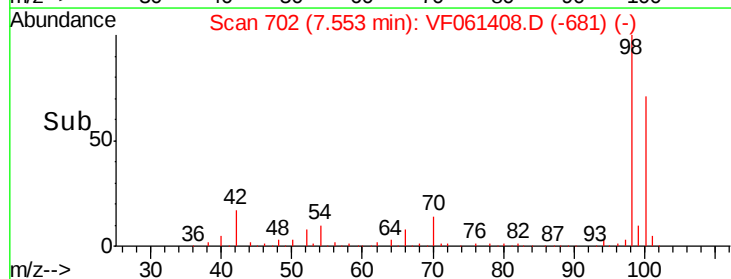
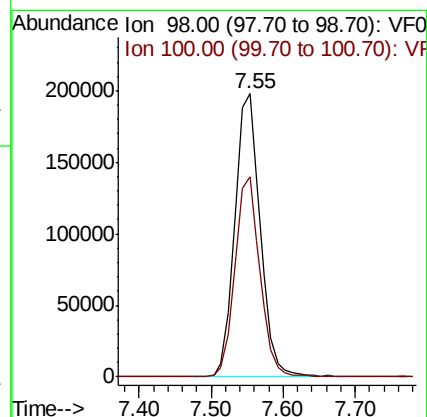
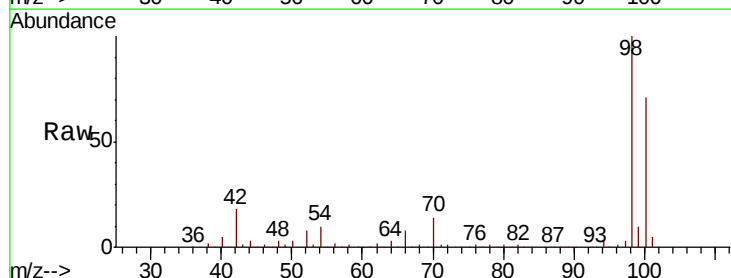
Acq: 15 Jan 2019 15:56

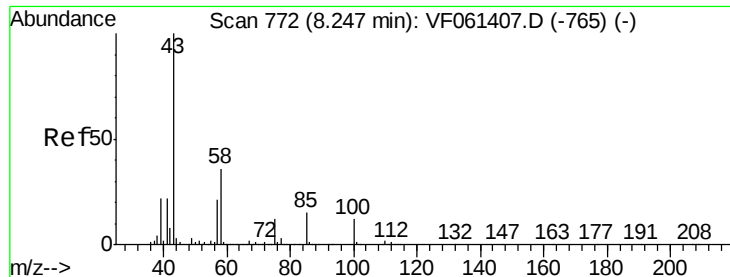
Tgt Ion: 98 Resp: 488466

Ion Ratio Lower Upper

98 100

100 70.5 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 327.838 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

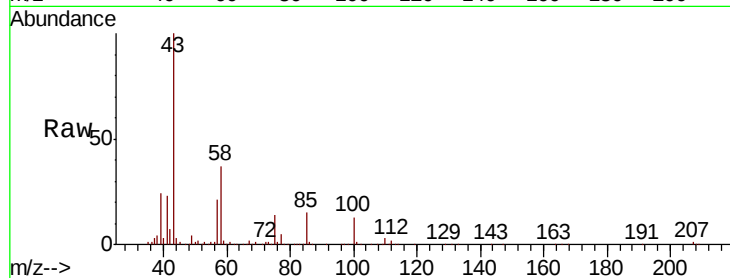
VSTDIC075

Tgt Ion: 43 Resp: 472401

Ion Ratio Lower Upper

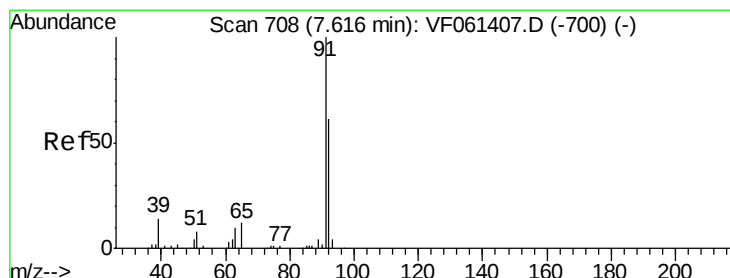
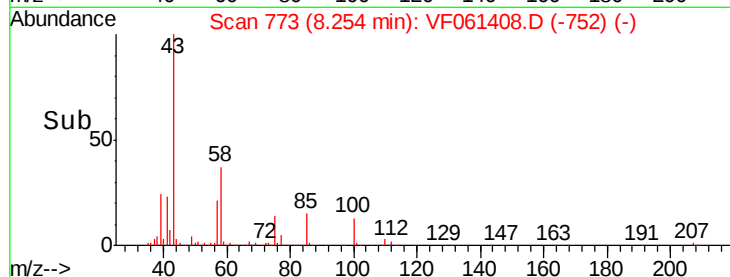
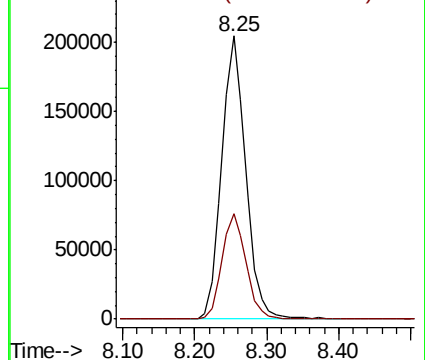
43 100

58 37.2 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 63.360 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061408.D

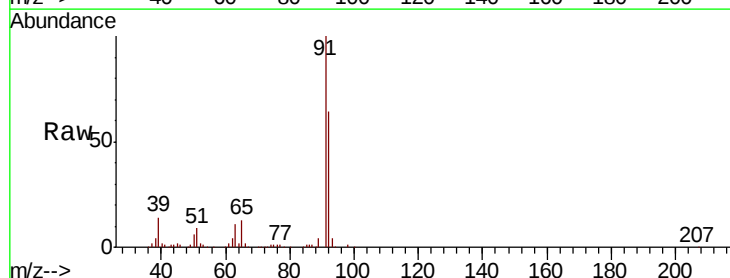
Acq: 15 Jan 2019 15:56

Tgt Ion: 92 Resp: 361593

Ion Ratio Lower Upper

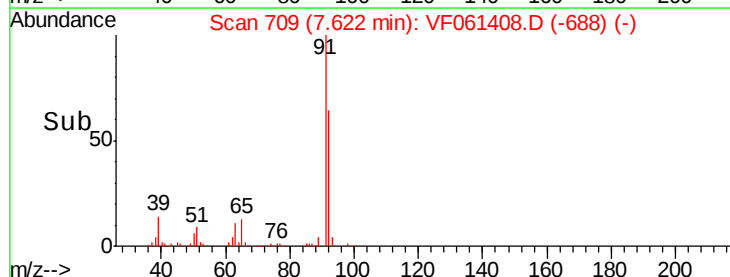
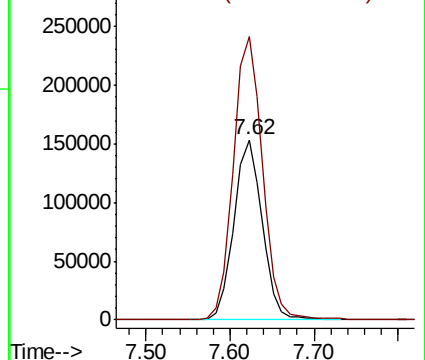
92 100

91 157.2 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 71.755 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

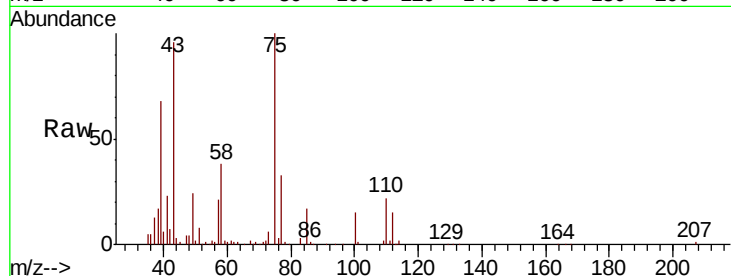
VSTDIC075

Tgt Ion: 75 Resp: 204582

Ion Ratio Lower Upper

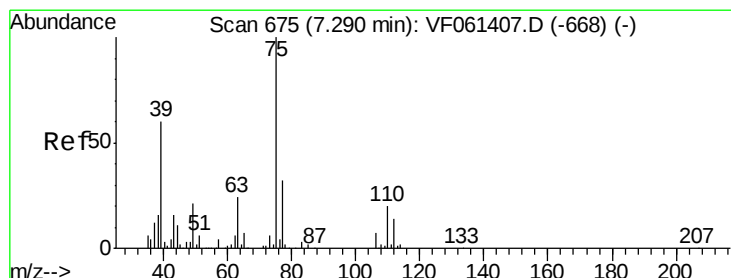
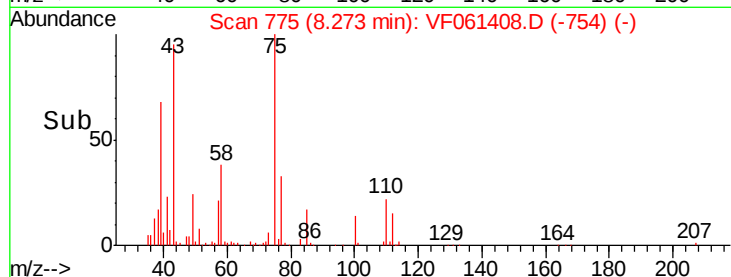
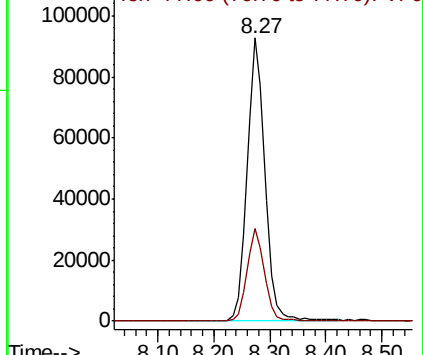
75 100

77 32.7 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 73.682 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

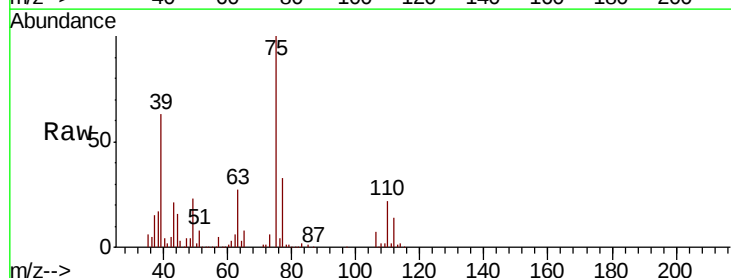
Tgt Ion: 75 Resp: 264224

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.0

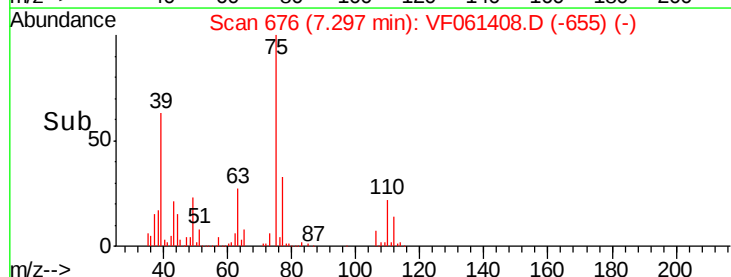
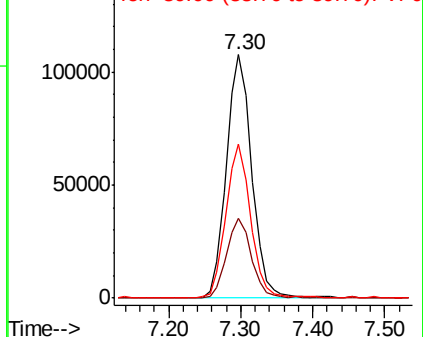
39 63.4 47.8 71.8

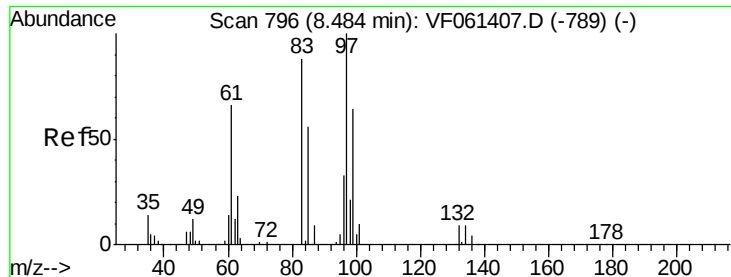


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 74.304 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 115251

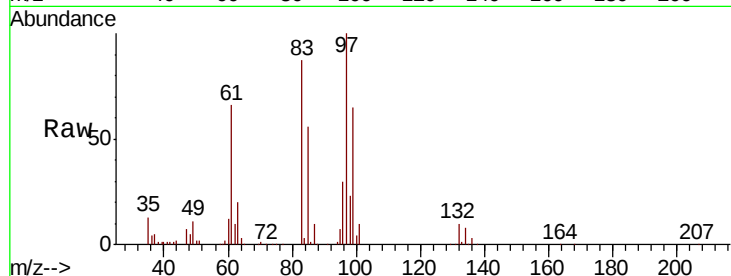
Ion Ratio Lower Upper

97 100

83 86.9 70.4 105.6

85 56.1 44.7 67.1

99 64.6 50.8 76.2

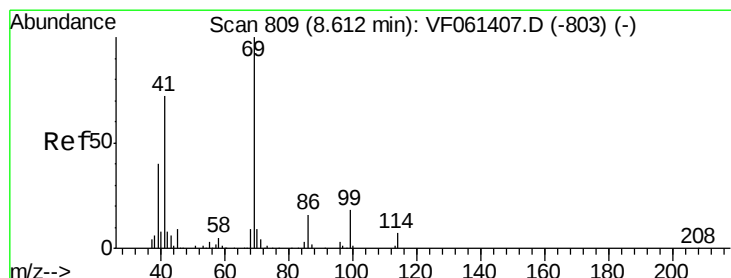
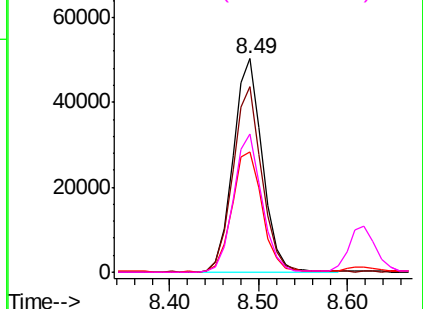
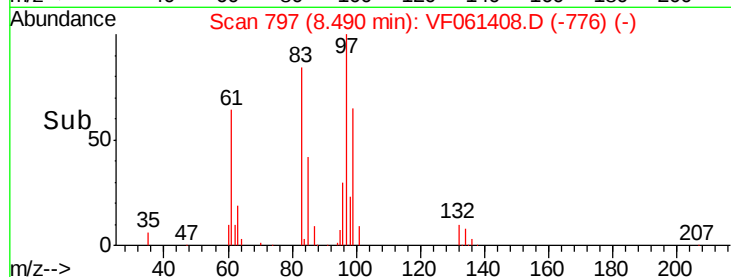


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 73.663 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

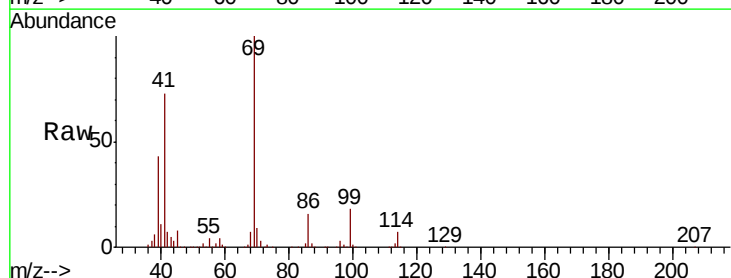
Tgt Ion: 69 Resp: 130937

Ion Ratio Lower Upper

69 100

41 72.6 57.5 86.3

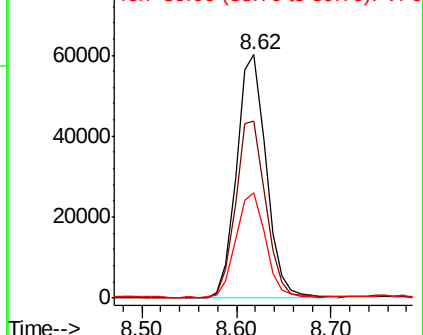
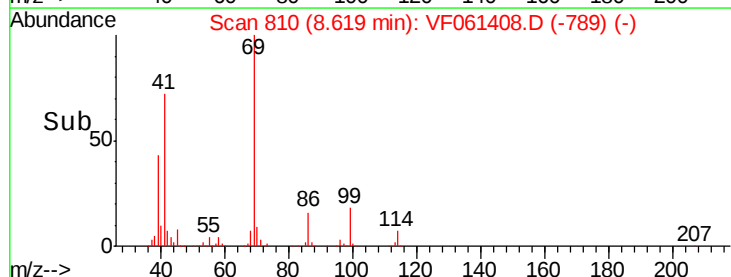
39 43.4 32.0 48.0

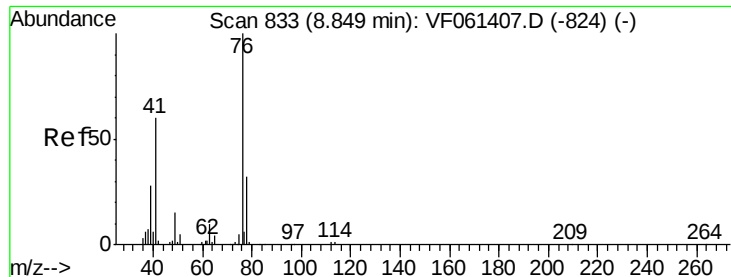


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 71.742 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

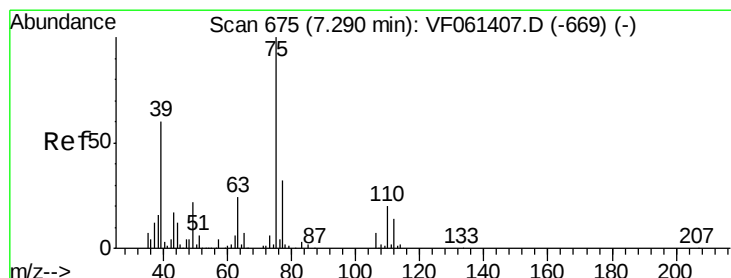
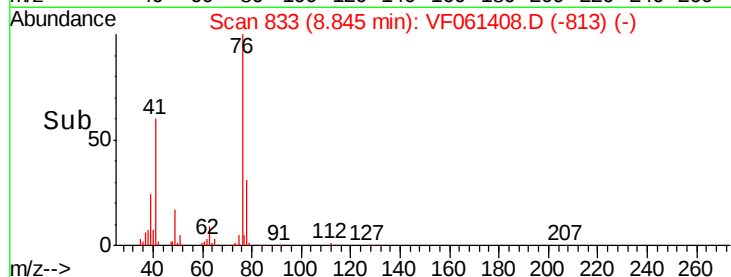
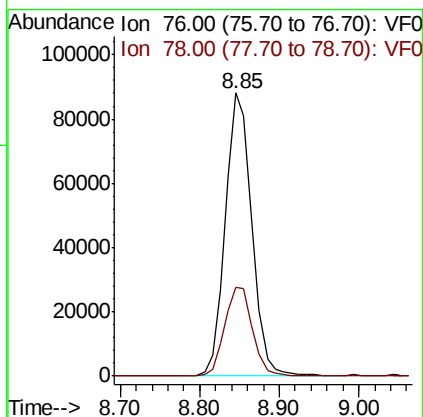
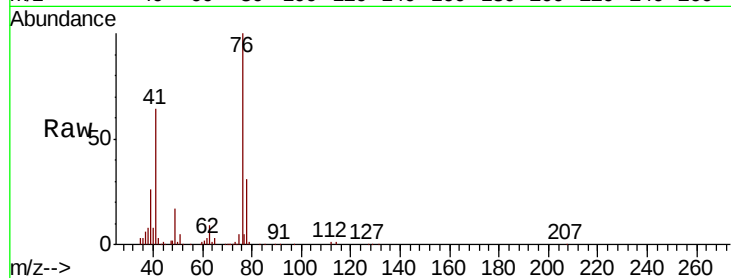
VSTDIC075

Tgt Ion: 76 Resp: 206422

Ion Ratio Lower Upper

76 100

78 31.4 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 576.575 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061408.D

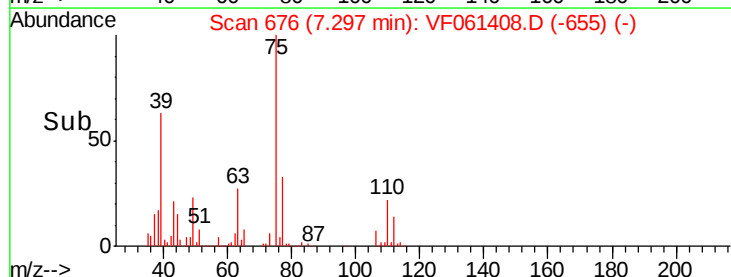
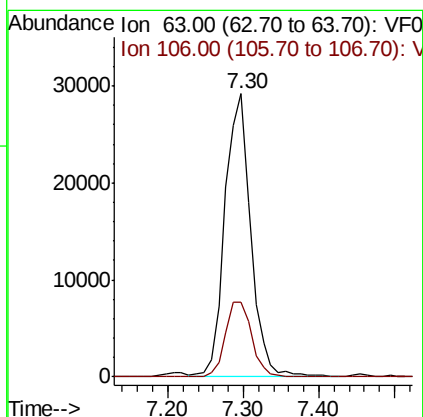
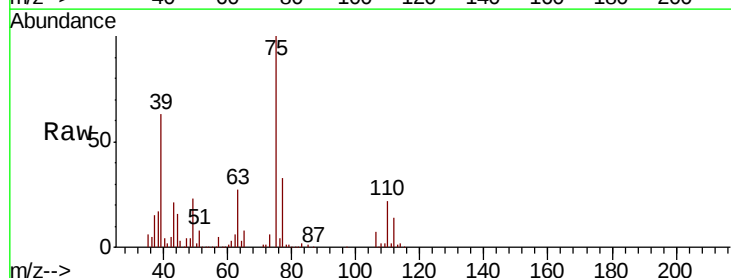
Acq: 15 Jan 2019 15:56

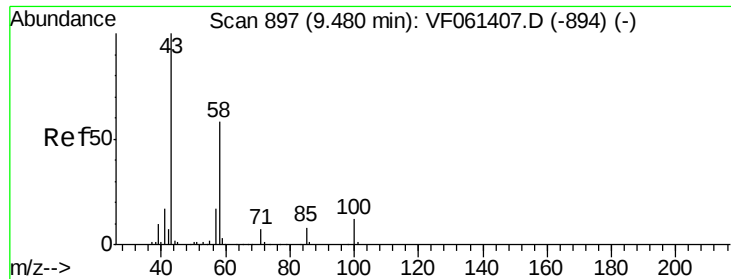
Tgt Ion: 63 Resp: 69333

Ion Ratio Lower Upper

63 100

106 26.4 21.9 32.9





#59

2-Hexanone

Concen: 322.020 ug/l

RT: 9.49 min Scan# 898

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

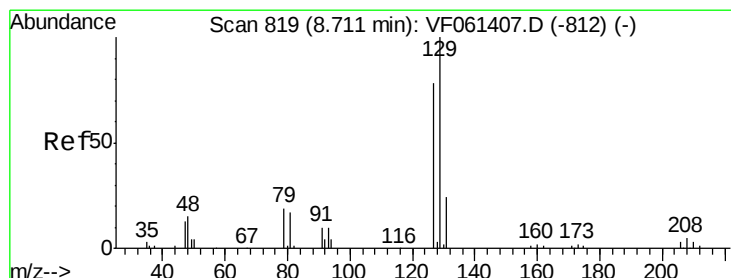
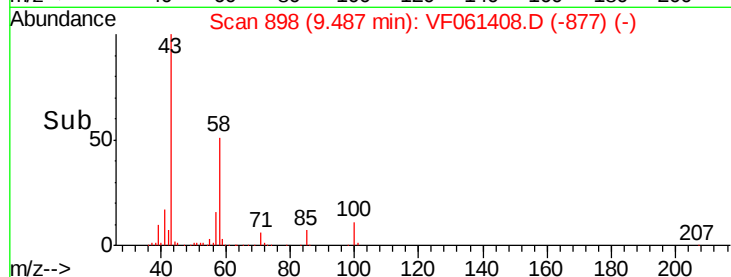
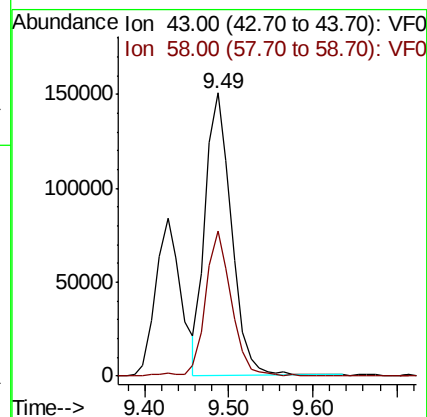
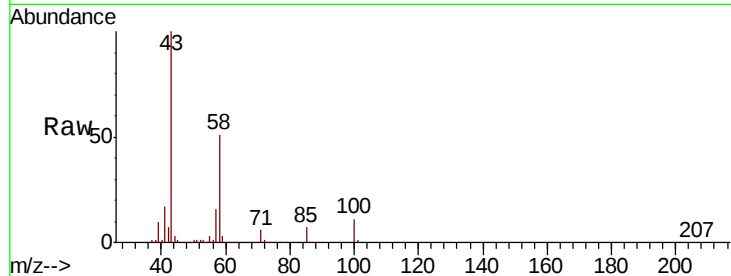
VSTDIC075

Tgt Ion: 43 Resp: 322990

Ion Ratio Lower Upper

43 100

58 51.4 25.9 77.6



#60

Dibromochloromethane

Concen: 75.530 ug/l

RT: 8.71 min Scan# 819

Delta R.T. -0.00 min

Lab File: VF061408.D

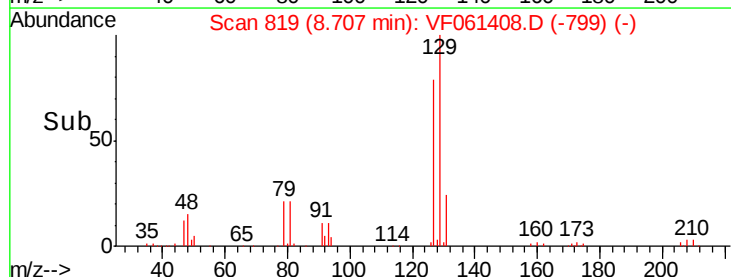
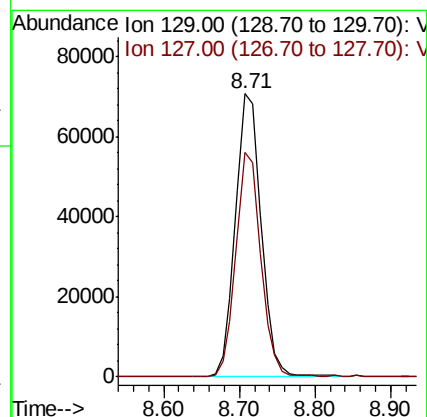
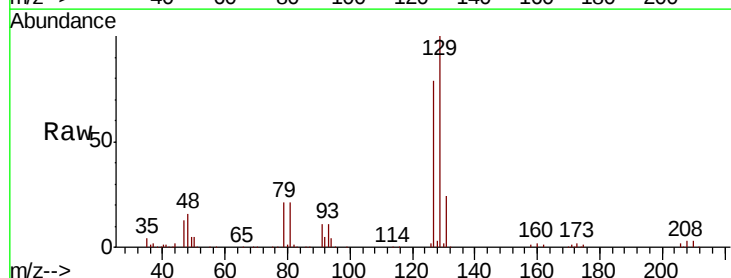
Acq: 15 Jan 2019 15:56

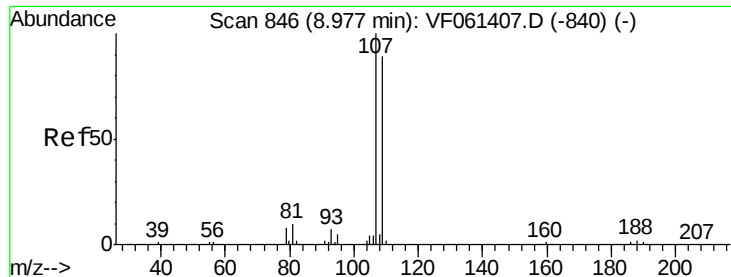
Tgt Ion: 129 Resp: 166505

Ion Ratio Lower Upper

129 100

127 79.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 72.282 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

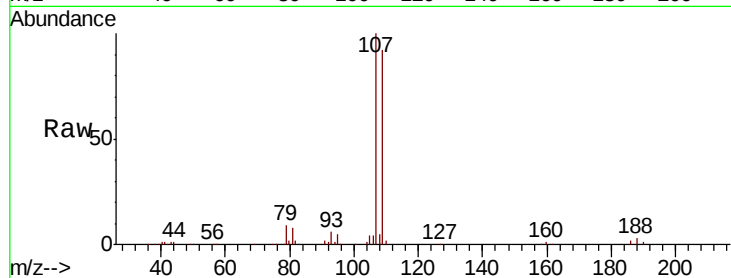
VSTDIC075

Tgt Ion: 107 Resp: 128276

Ion Ratio Lower Upper

107 100

109 92.1 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

60000

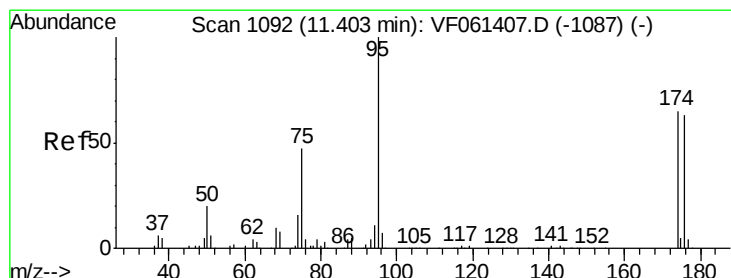
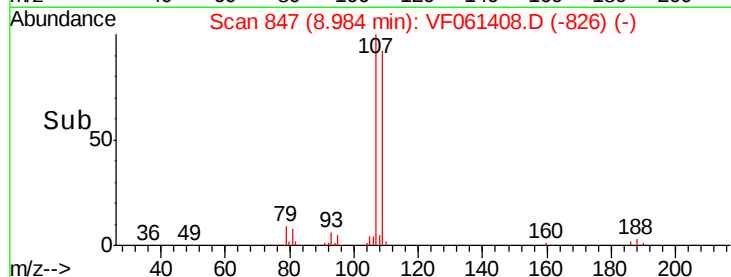
40000

20000

0

8.90 9.00 9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 61.708 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

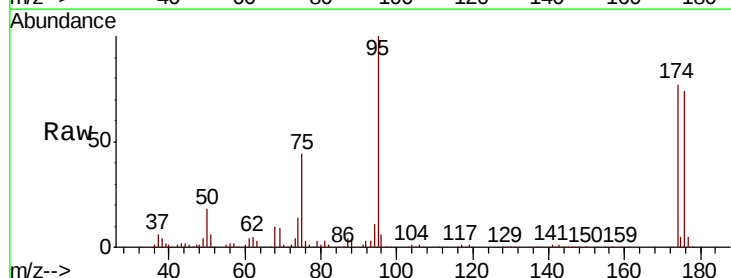
Tgt Ion: 95 Resp: 208180

Ion Ratio Lower Upper

95 100

174 76.7 0.0 130.4

176 73.9 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

150000

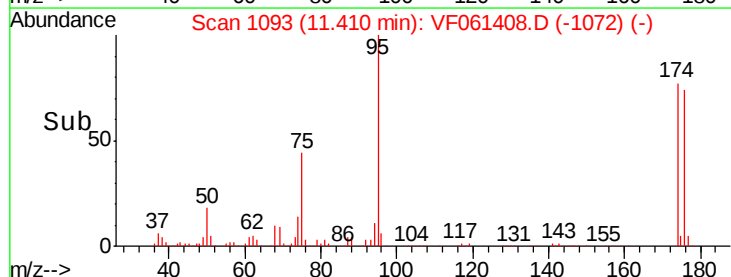
100000

50000

0

11.30 11.40 11.50 11.60

Time-->

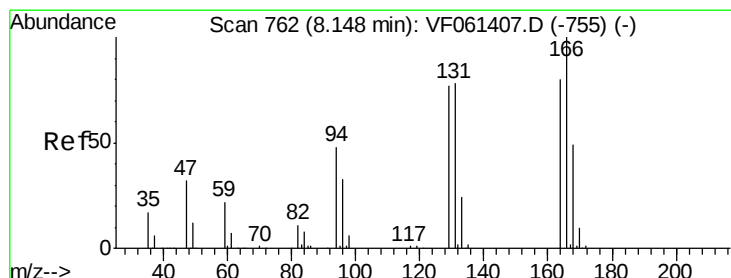
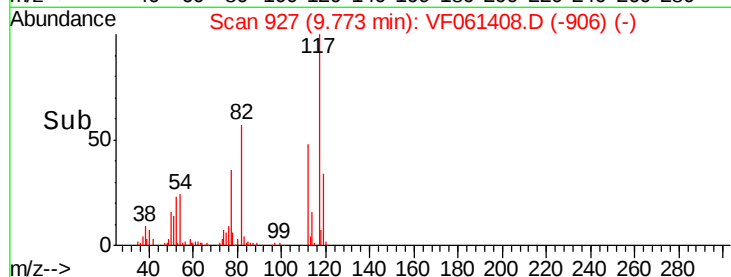
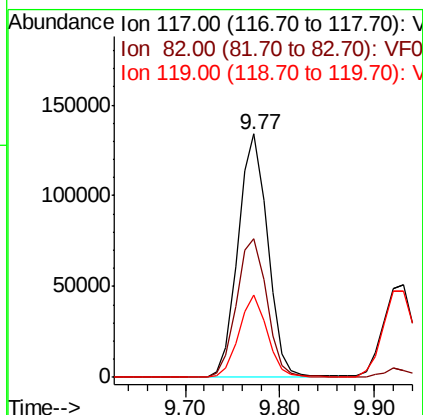
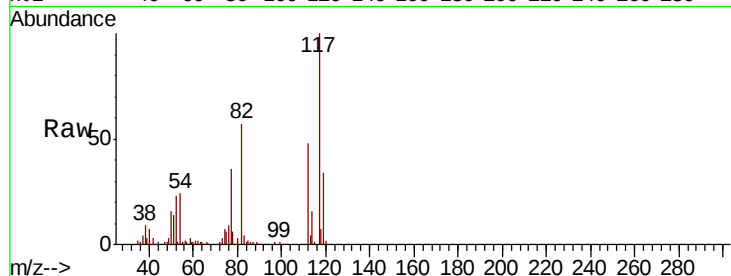




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

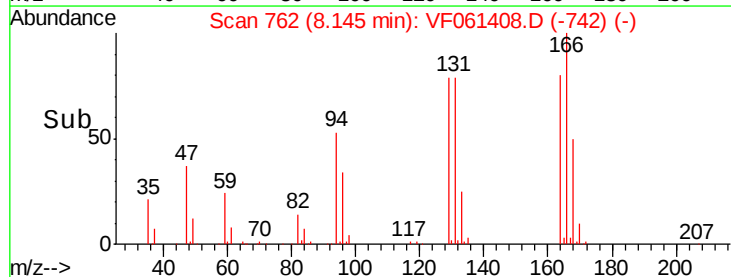
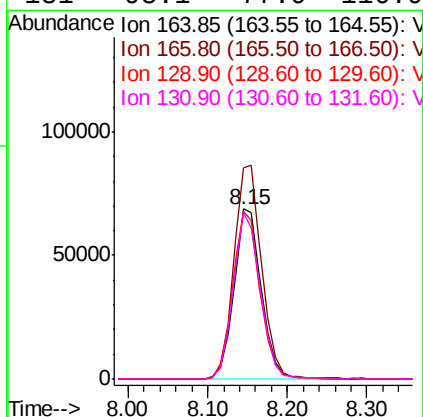
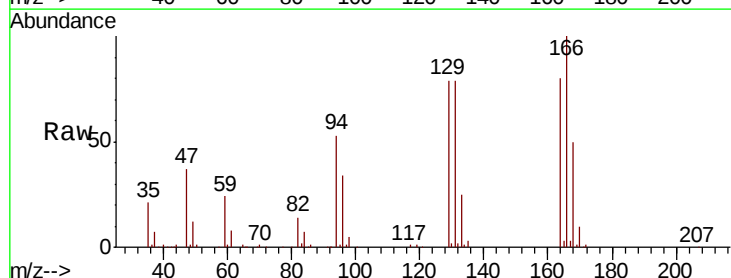
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

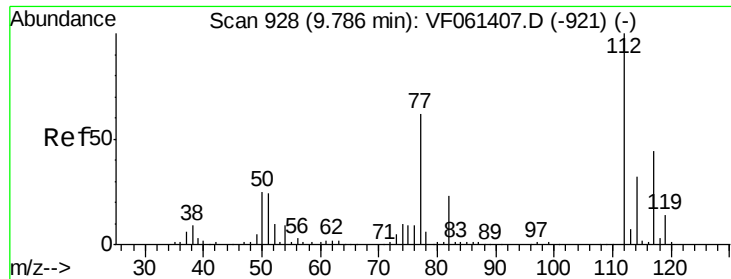
Tgt Ion:117 Resp: 292834
Ion Ratio Lower Upper
117 100
82 56.7 46.4 69.6
119 33.9 27.2 40.8



#64
Tetrachloroethene
Concen: 73.099 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion:164 Resp: 163058
Ion Ratio Lower Upper
164 100
166 124.6 99.6 149.4
129 98.9 76.4 114.6
131 98.1 77.9 116.9





#65

Chlorobenzene

Concen: 69.059 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

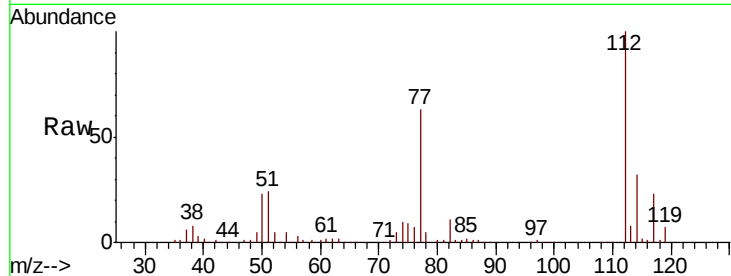
VSTDIC075

Tgt Ion:112 Resp: 428557

Ion Ratio Lower Upper

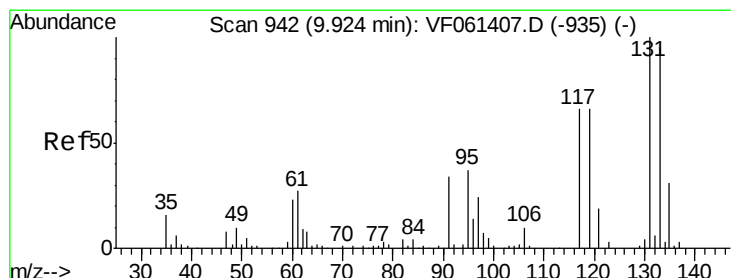
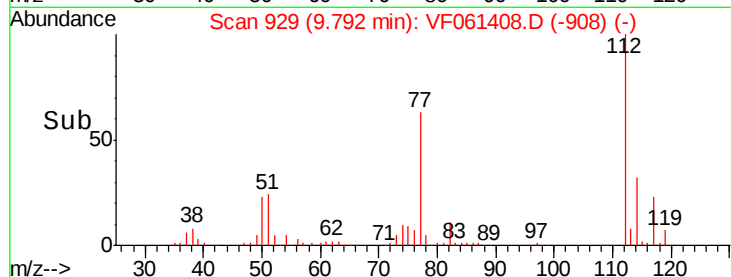
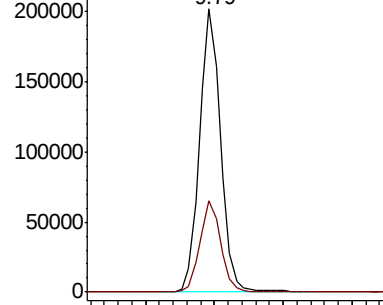
112 100

114 32.2 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 69.166 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

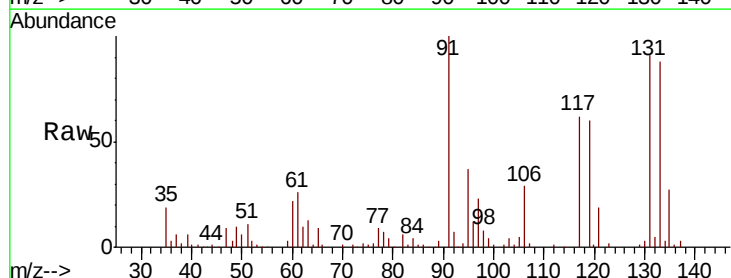
Tgt Ion:131 Resp: 168020

Ion Ratio Lower Upper

131 100

133 97.6 47.4 142.2

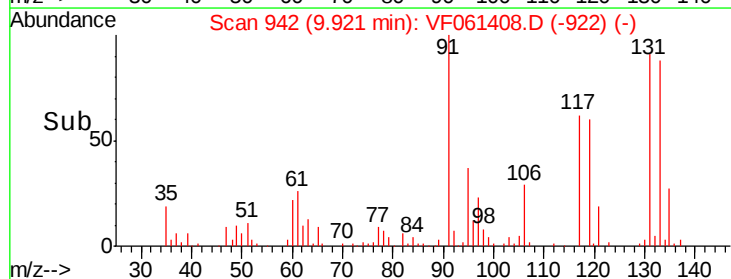
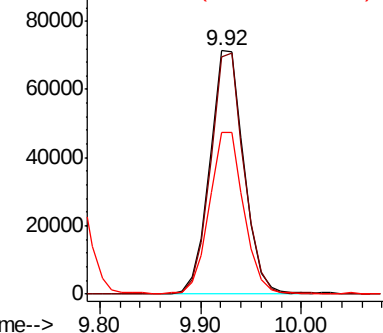
119 66.2 33.1 99.3

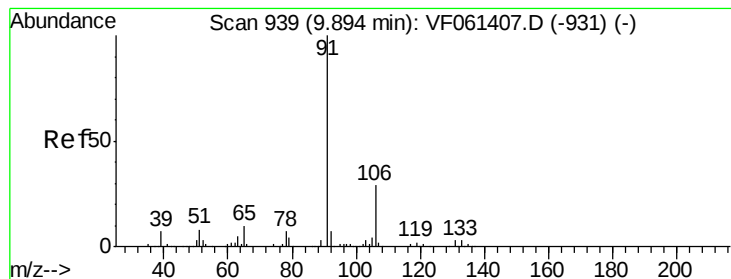


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 66.931 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

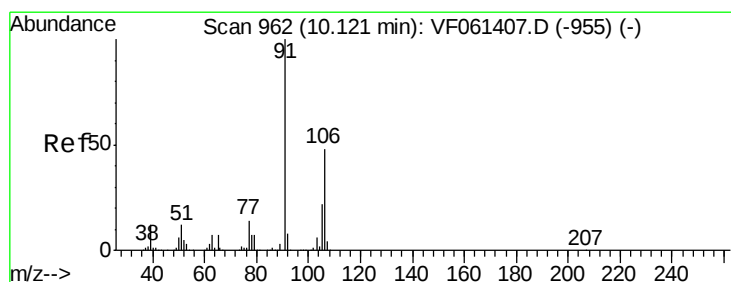
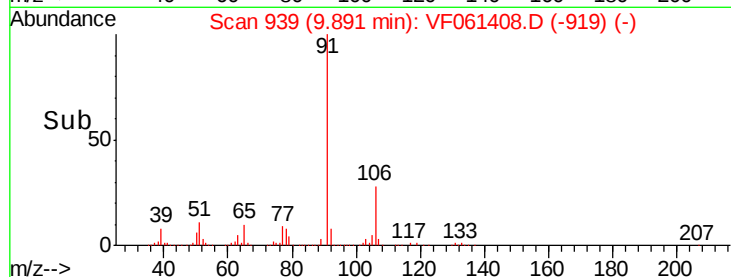
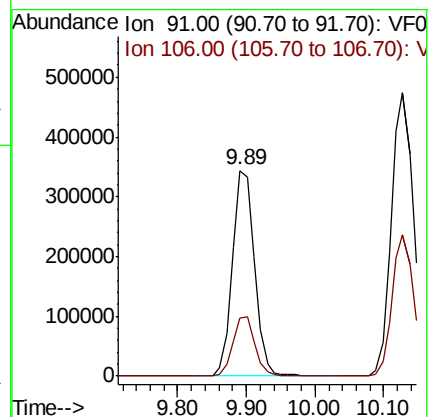
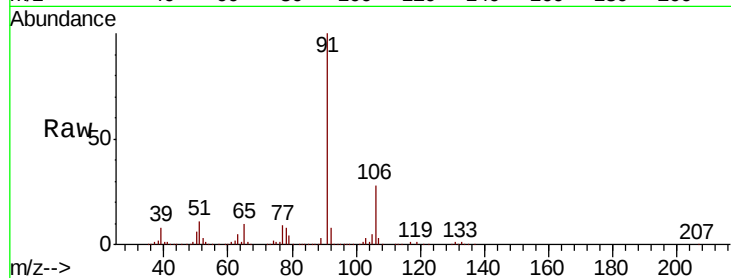
VSTDIC075

Tgt Ion: 91 Resp: 769063

Ion Ratio Lower Upper

91 100

106 28.5 23.1 34.7



#68

m/p-Xylenes

Concen: 124.794 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF061408.D

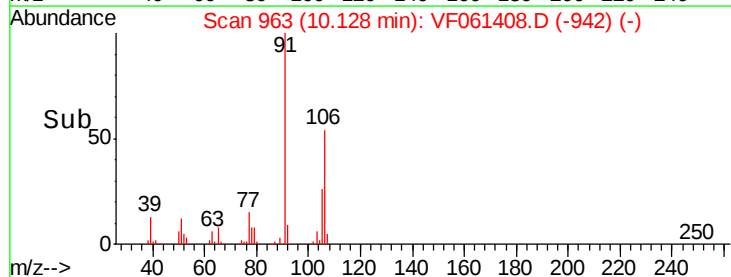
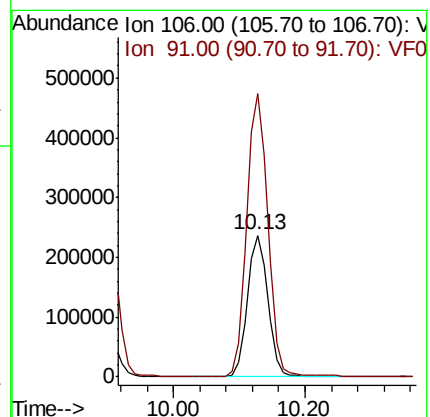
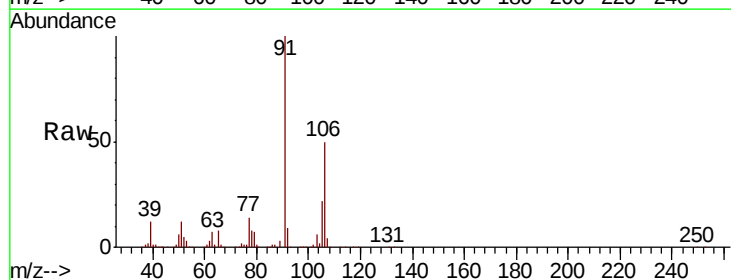
Acq: 15 Jan 2019 15:56

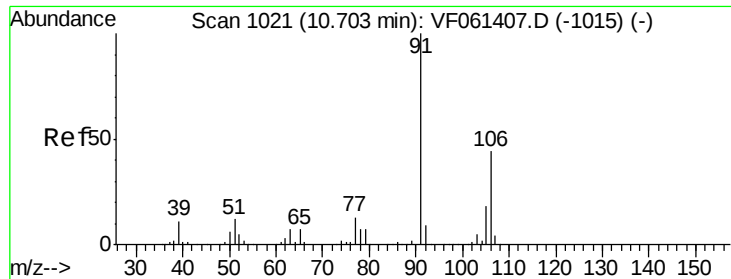
Tgt Ion: 106 Resp: 517311

Ion Ratio Lower Upper

106 100

91 200.1 166.2 249.4

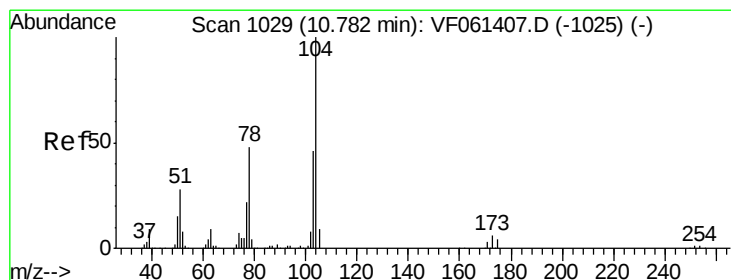
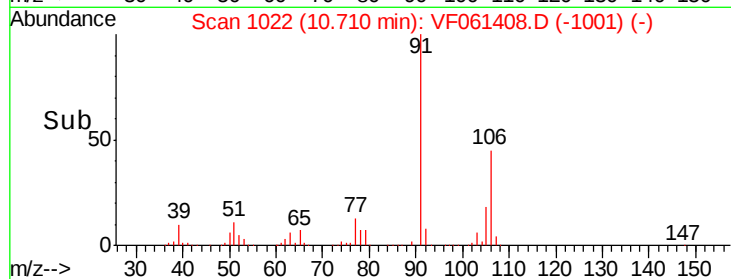
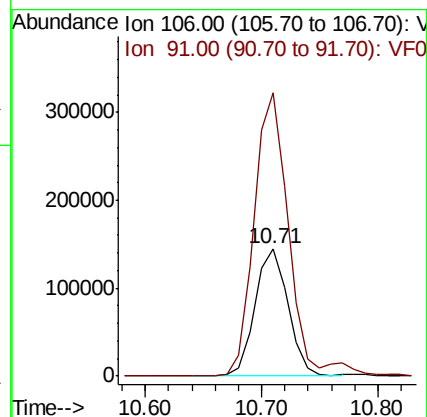
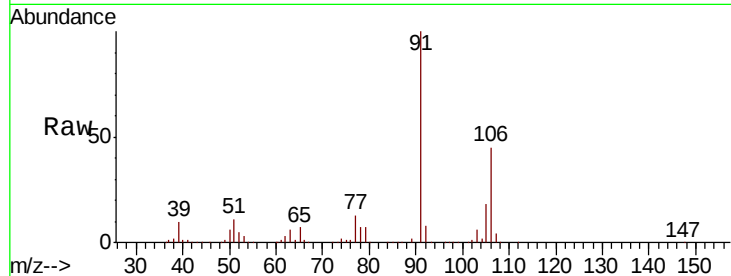




#69
o-Xylene
Concen: 64.637 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

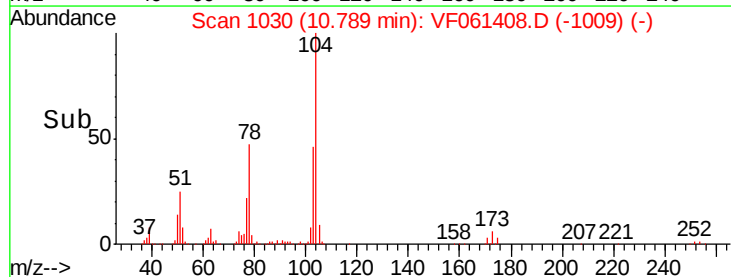
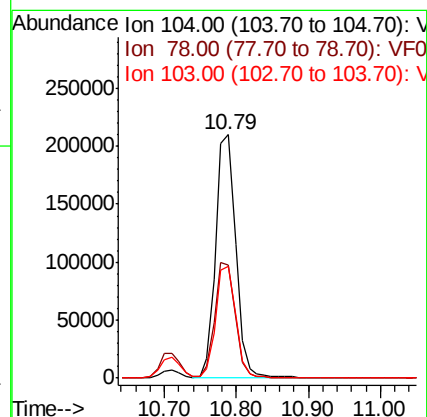
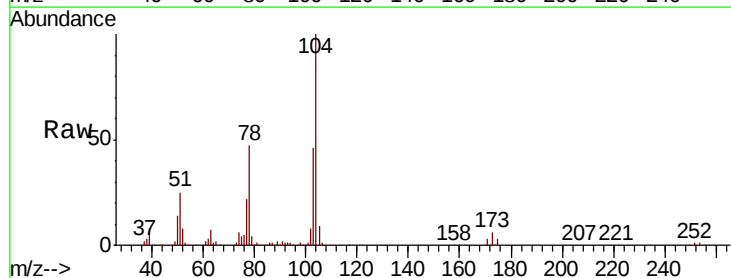
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

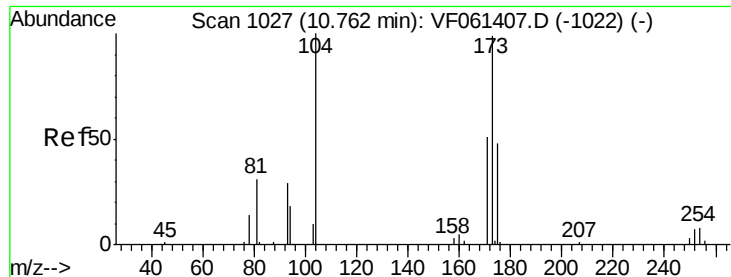
Tgt Ion:106 Resp: 286191
Ion Ratio Lower Upper
106 100
91 221.4 113.3 339.8



#70
Styrene
Concen: 65.704 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion:104 Resp: 403791
Ion Ratio Lower Upper
104 100
78 46.6 38.8 58.2
103 46.0 37.0 55.6





#71

Bromoform

Concen: 78.986 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

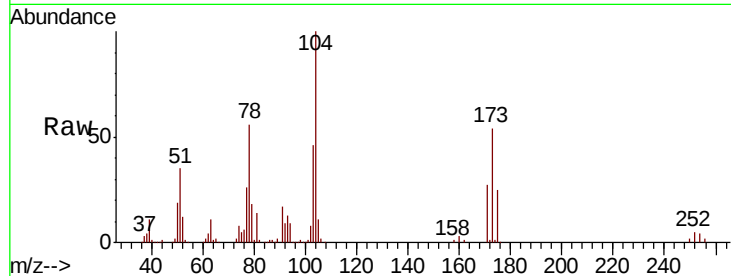
Tgt Ion:173 Resp: 82690

Ion Ratio Lower Upper

173 100

175 46.5 24.1 72.4

254 6.9 0.0 0.0#

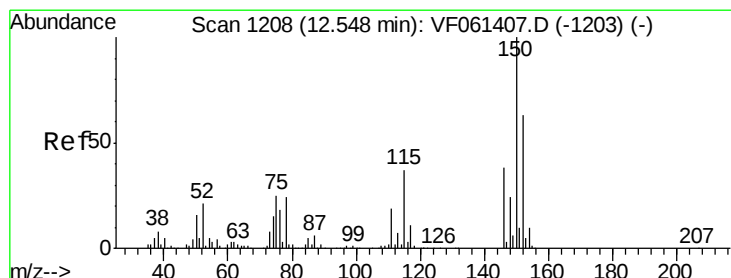
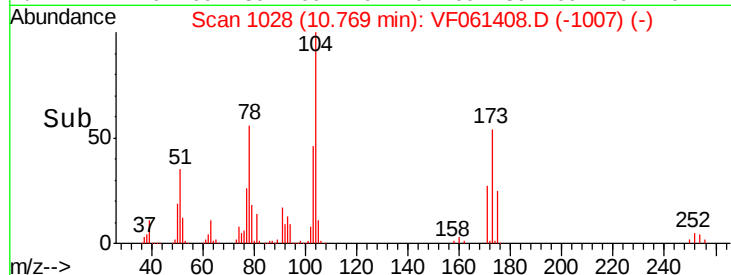
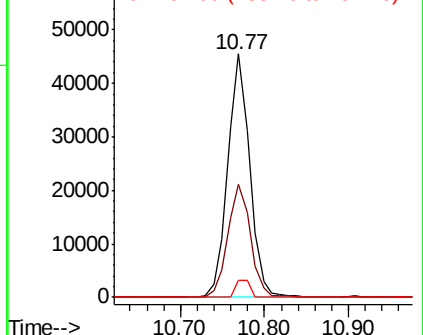


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

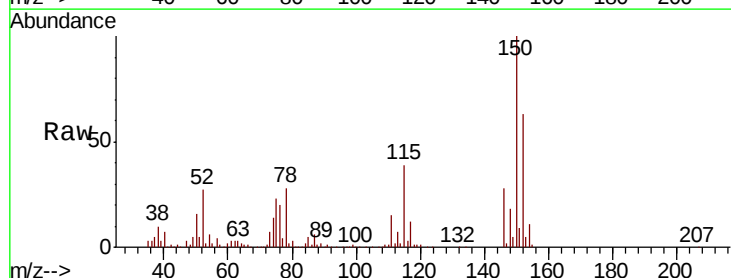
Tgt Ion:152 Resp: 141629

Ion Ratio Lower Upper

152 100

115 62.1 30.0 90.0

150 159.4 0.0 321.4

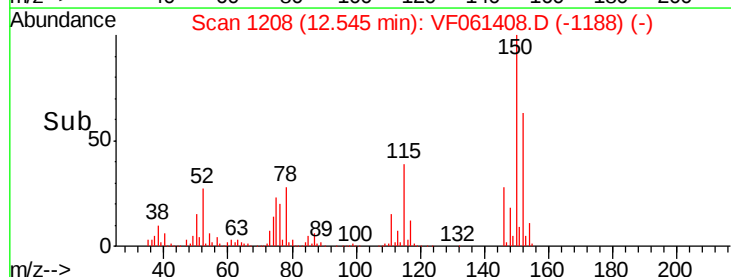
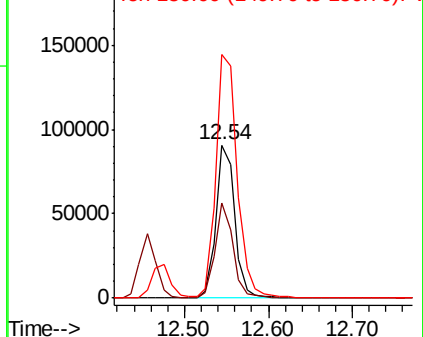


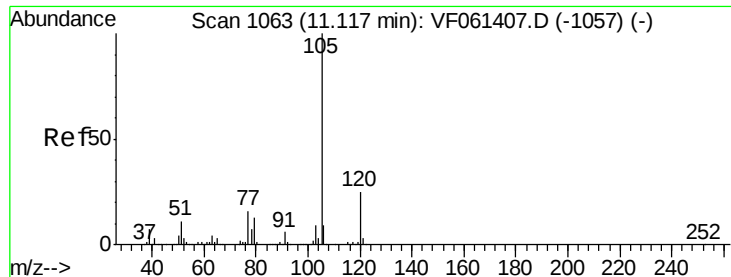
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 70.675 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

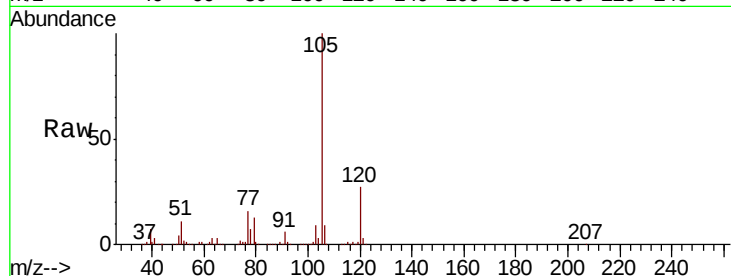
VSTDIC075

Tgt Ion: 105 Resp: 874213

Ion Ratio Lower Upper

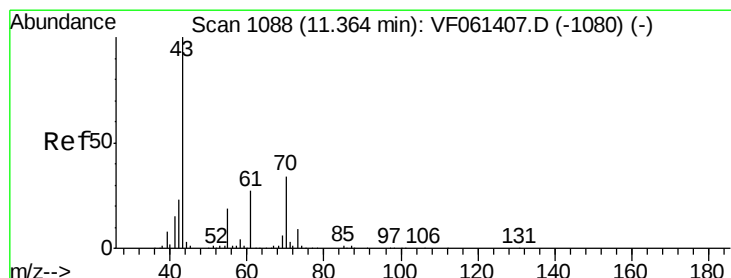
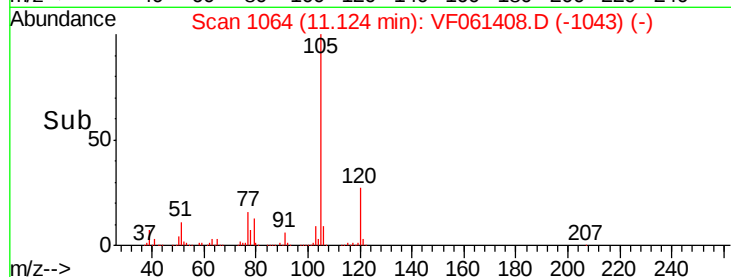
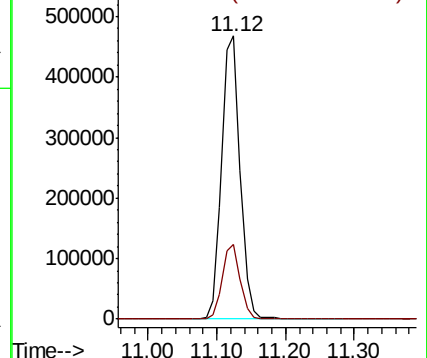
105 100

120 26.5 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: 68.814 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Tgt Ion: 43 Resp: 195496

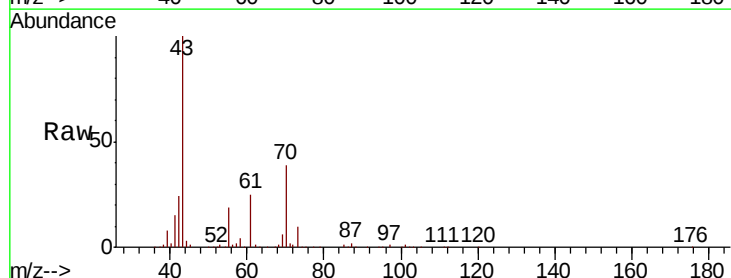
Ion Ratio Lower Upper

43 100

70 38.9 27.6 41.4

55 19.4 15.4 23.2

61 24.9 21.8 32.6

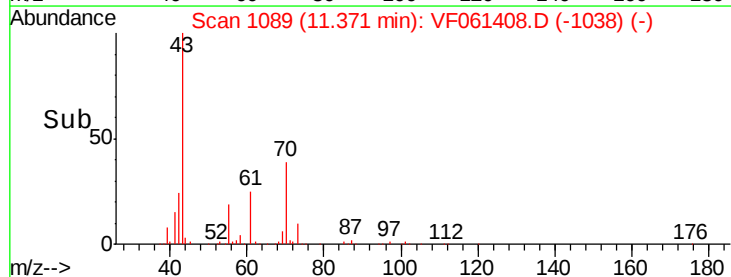
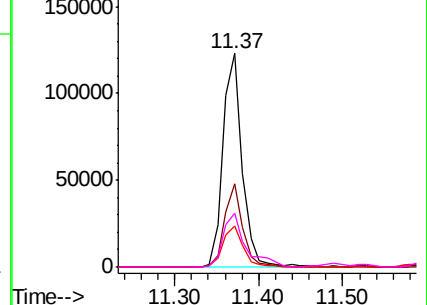


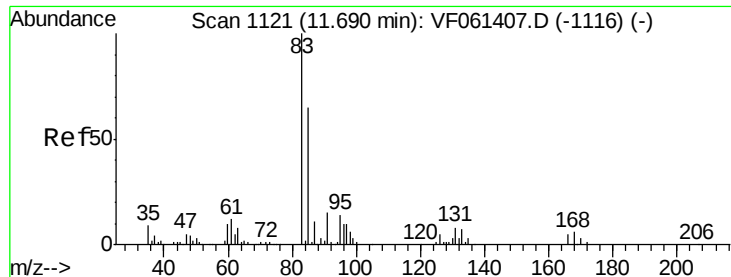
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 68.073 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

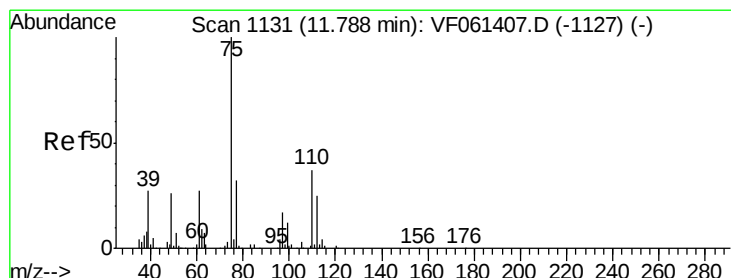
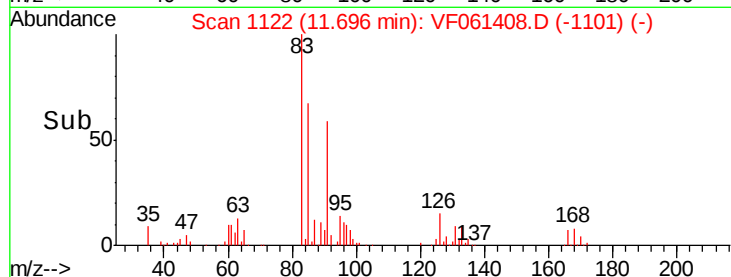
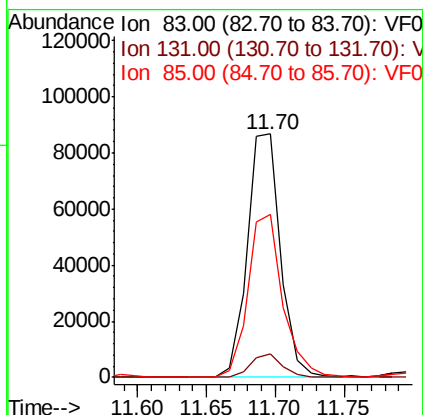
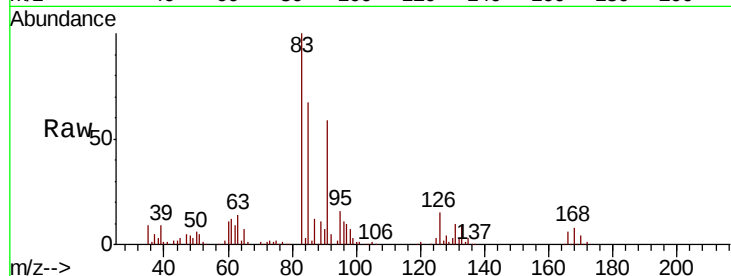
Tgt Ion: 83 Resp: 146448

Ion Ratio Lower Upper

83 100

131 9.6 4.0 12.2

85 66.9 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 67.992 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF061408.D

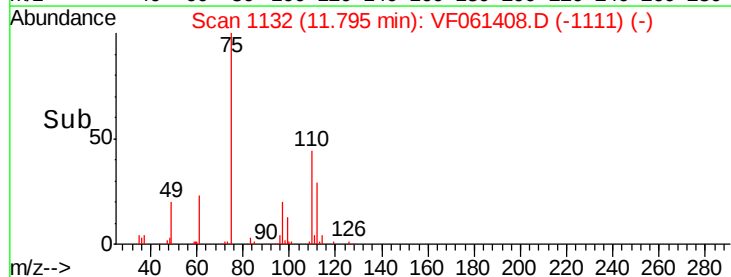
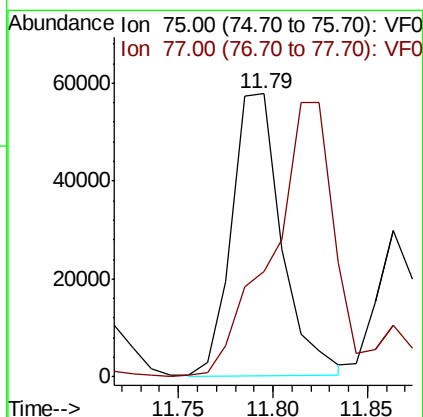
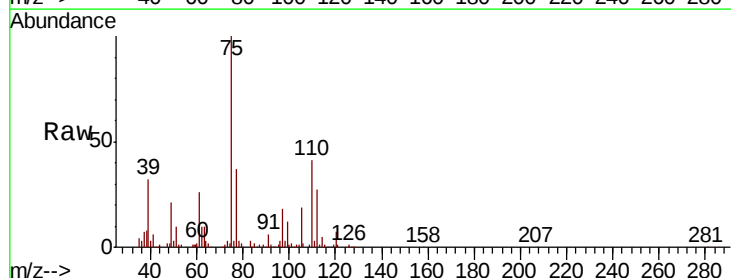
Acq: 15 Jan 2019 15:56

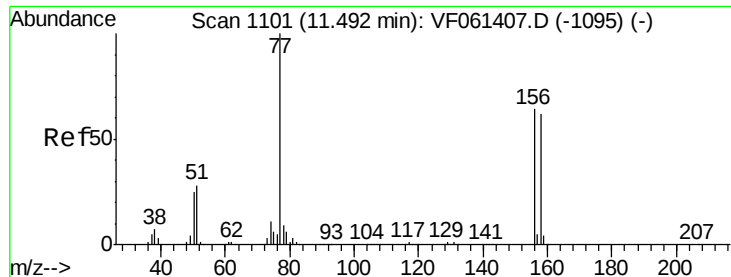
Tgt Ion: 75 Resp: 105142

Ion Ratio Lower Upper

75 100

77 37.2 16.1 48.3





#77

Bromobenzene

Concen: 71.281 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

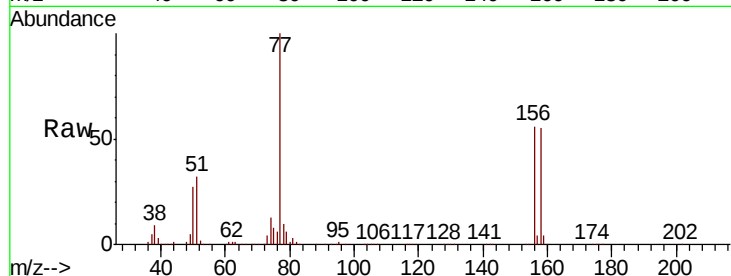
Tgt Ion:156 Resp: 179972

Ion Ratio Lower Upper

156 100

77 177.3 78.3 234.9

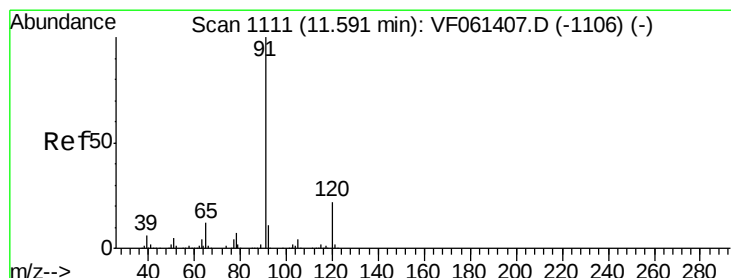
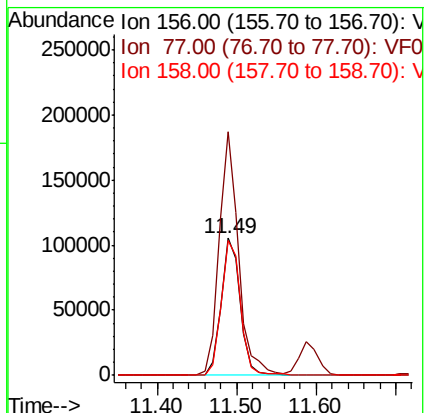
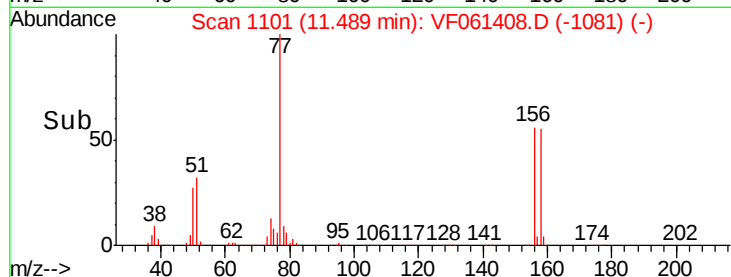
158 97.8 48.9 146.7



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: 64.102 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061408.D

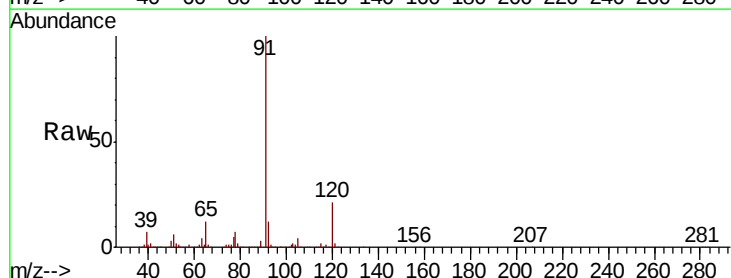
Acq: 15 Jan 2019 15:56

Tgt Ion: 91 Resp: 965963

Ion Ratio Lower Upper

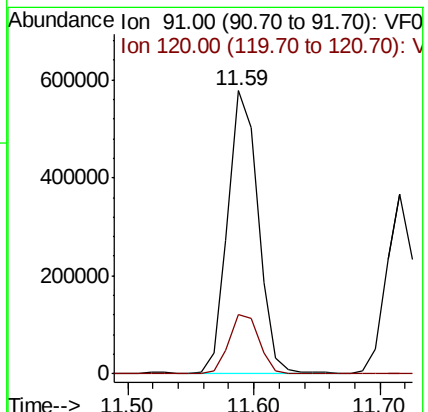
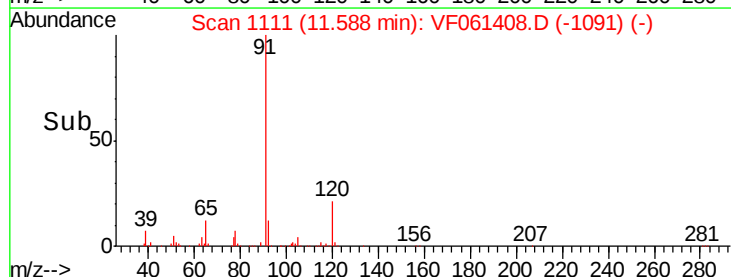
91 100

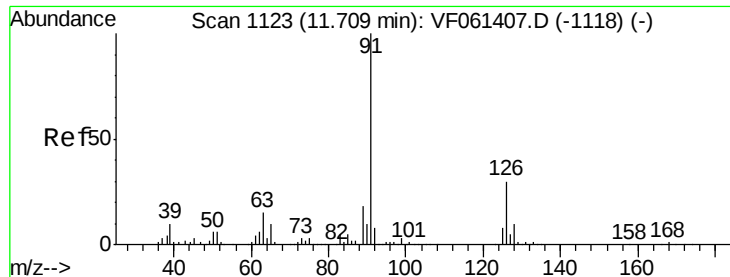
120 21.2 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

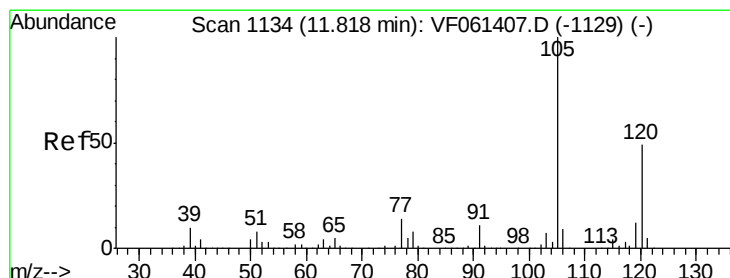
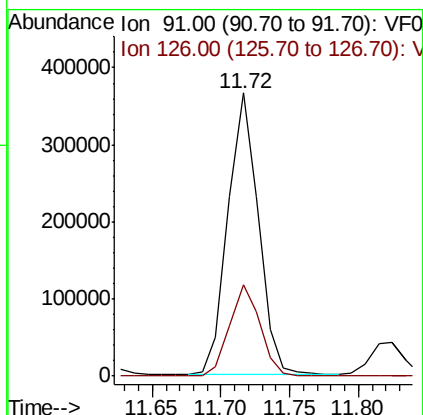
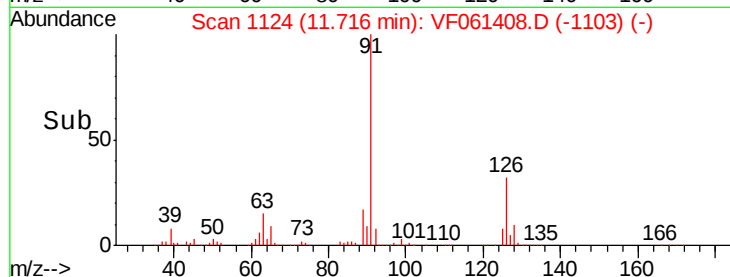
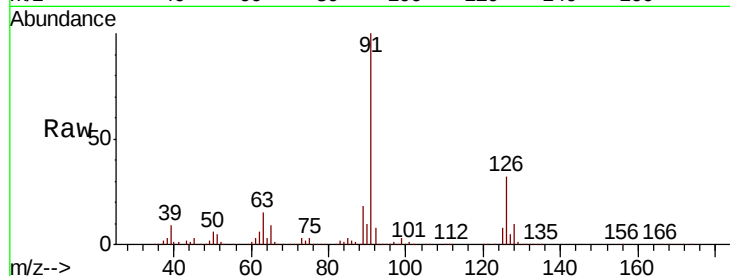




#79
2-Chlorotoluene
Concen: 65.786 ug/l
RT: 11.72 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

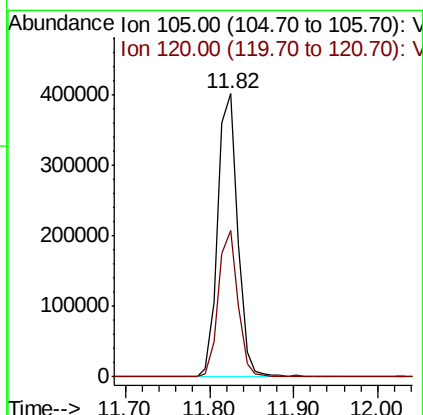
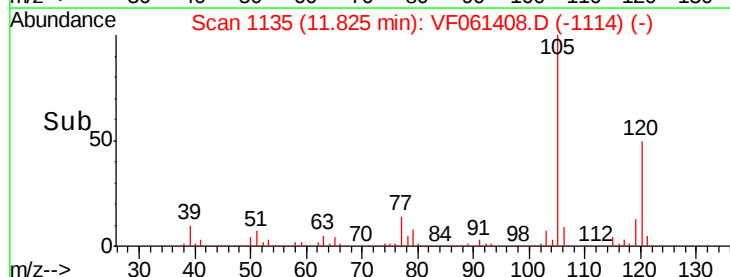
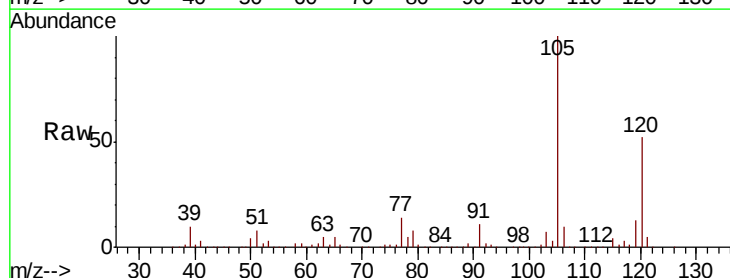
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

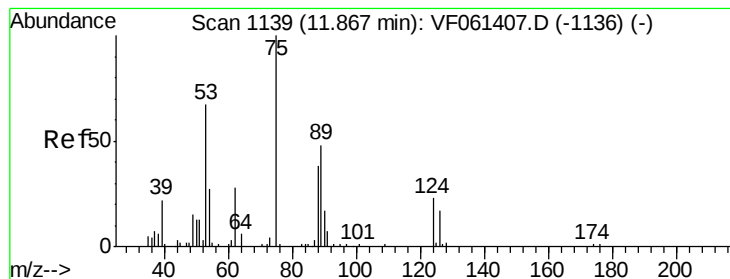
Tgt Ion: 91 Resp: 563396
Ion Ratio Lower Upper
91 100
126 32.4 15.0 45.1



#80
1,3,5-Trimethylbenzene
Concen: 67.229 ug/l
RT: 11.82 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion: 105 Resp: 663816
Ion Ratio Lower Upper
105 100
120 51.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 76.570 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

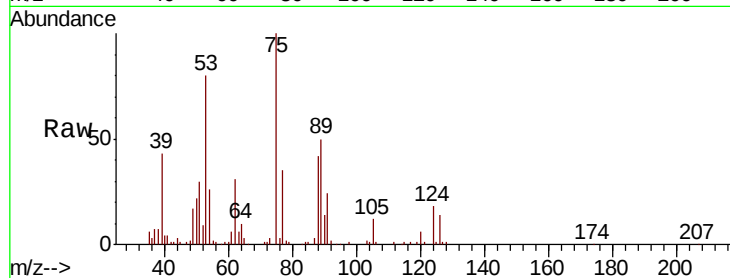
Tgt Ion: 75 Resp: 62474

Ion Ratio Lower Upper

75 100

53 79.9 57.8 86.6

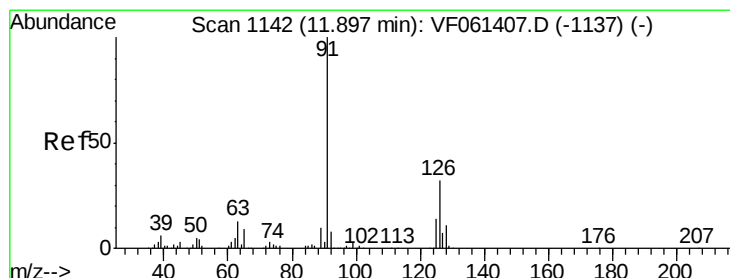
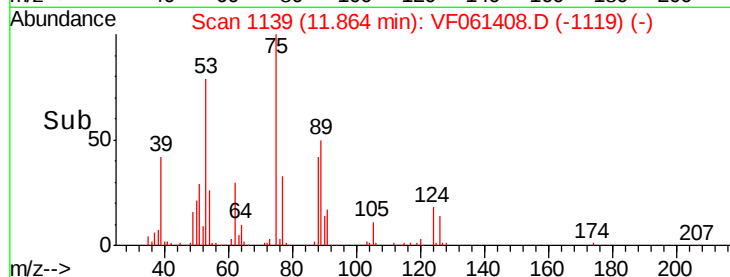
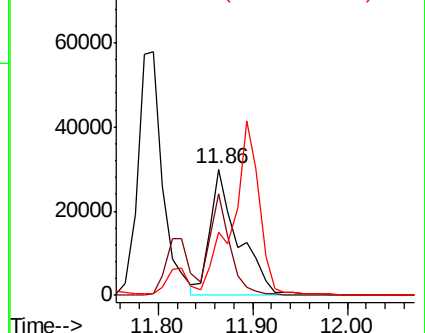
89 50.2 40.7 61.1



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: 66.806 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF061408.D

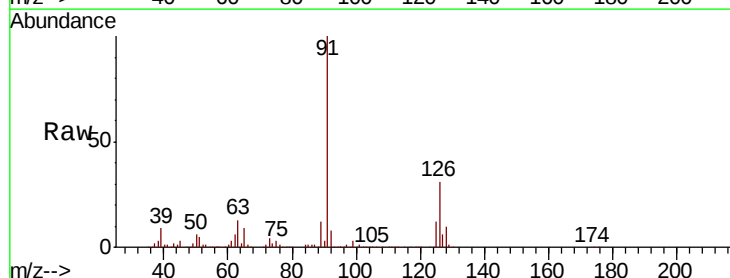
Acq: 15 Jan 2019 15:56

Tgt Ion: 91 Resp: 566666

Ion Ratio Lower Upper

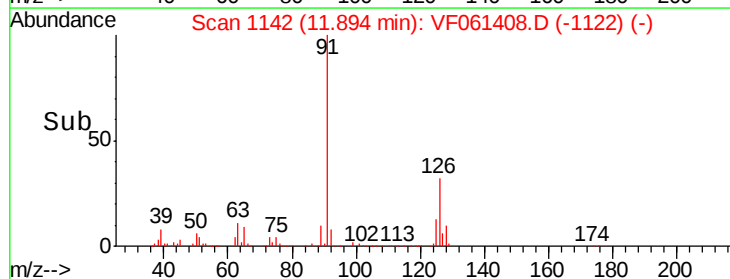
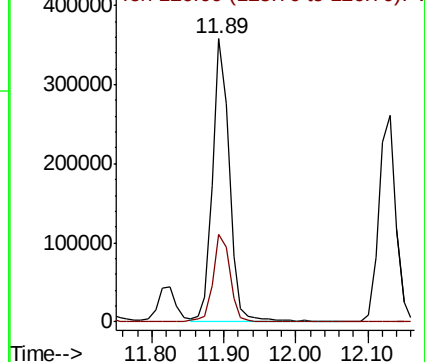
91 100

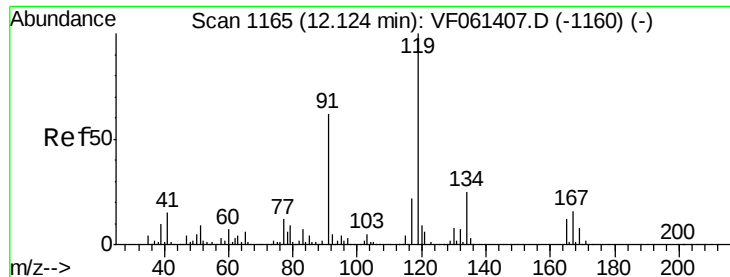
126 30.8 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

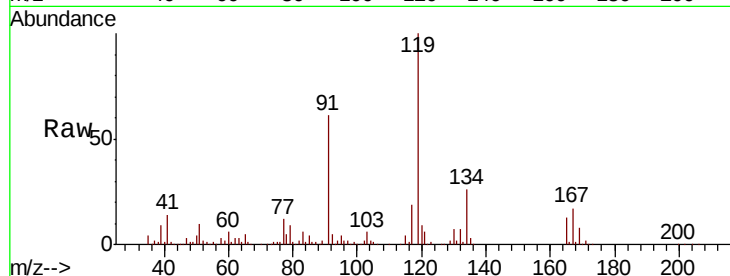




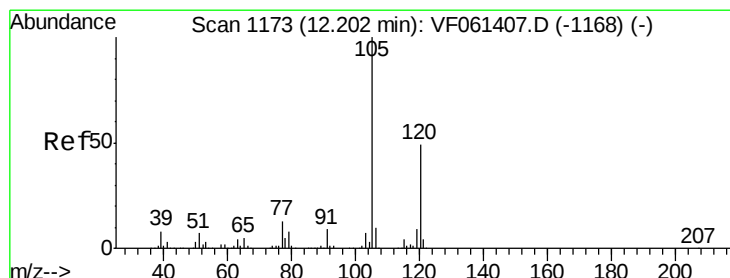
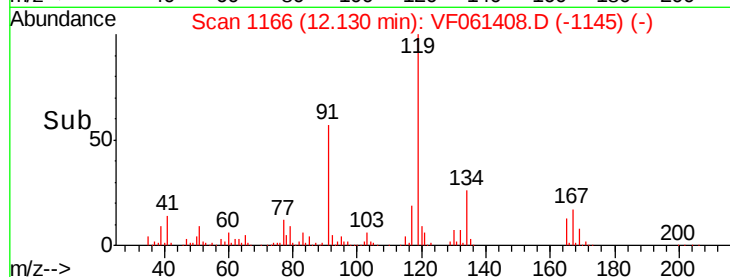
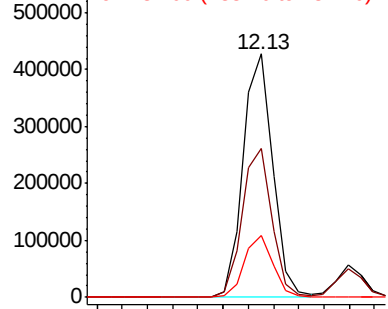
#83
tert-Butylbenzene
Concen: 68.402 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:119 Resp: 702311
Ion Ratio Lower Upper
119 100
91 60.9 31.3 93.8
134 25.7 12.4 37.0

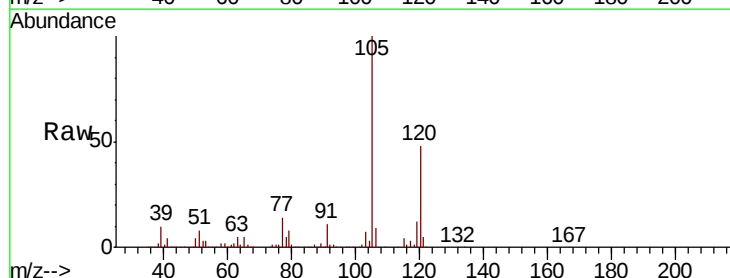


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

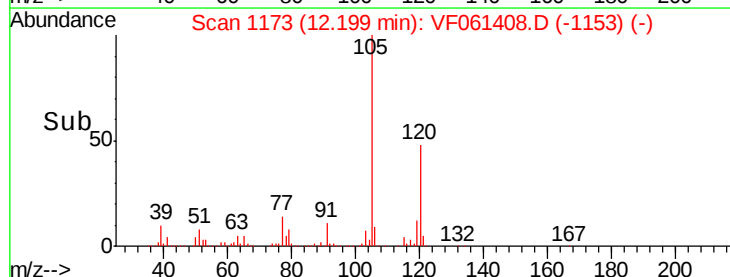
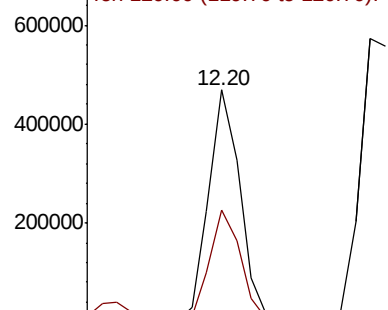


#84
1,2,4-Trimethylbenzene
Concen: 67.419 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion:105 Resp: 688632
Ion Ratio Lower Upper
105 100
120 48.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 67.565 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

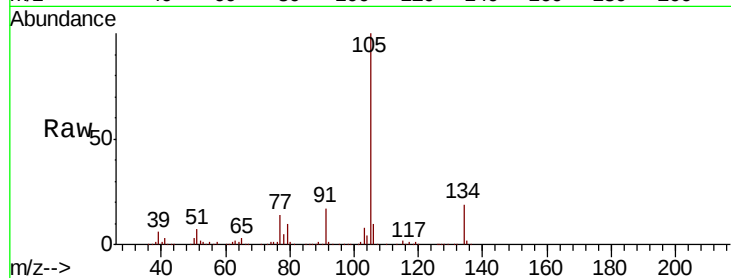
VSTDIC075

Tgt Ion:105 Resp: 943461

Ion Ratio Lower Upper

105 100

134 19.1 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.30

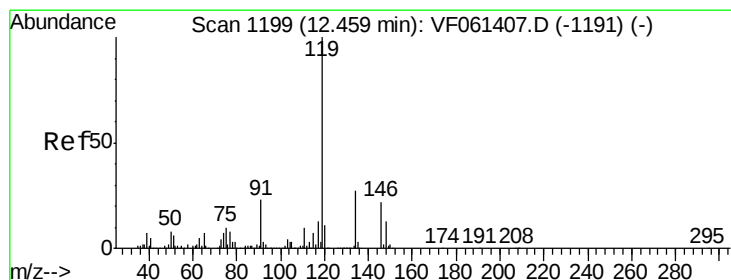
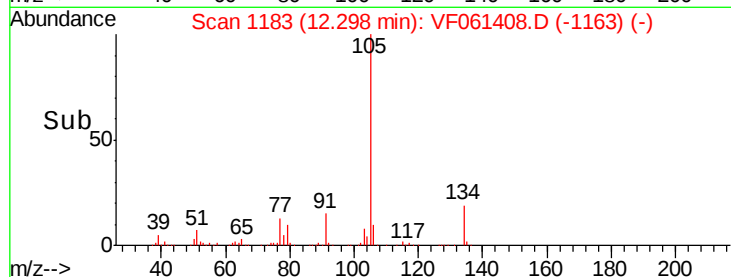
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 62.983 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

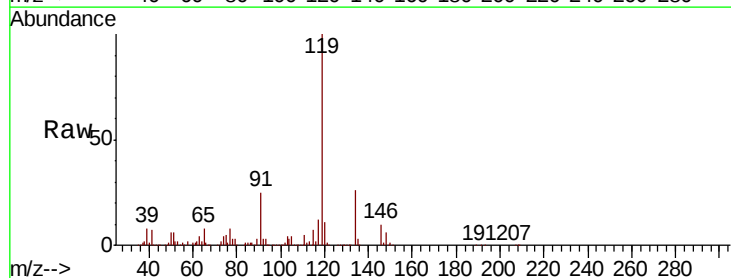
Tgt Ion:119 Resp: 732172

Ion Ratio Lower Upper

119 100

134 25.6 13.4 40.2

91 24.9 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): V

12.46

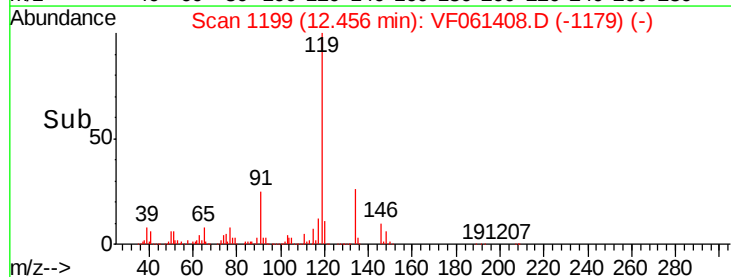
600000

400000

200000

0

Time-->

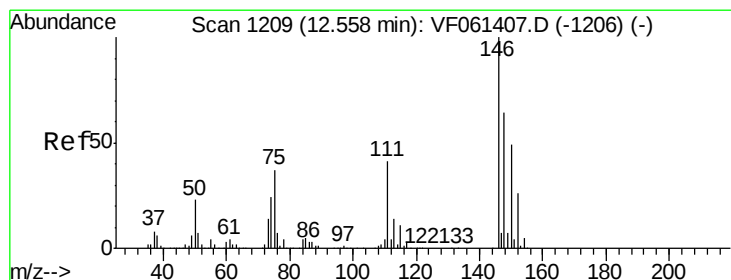
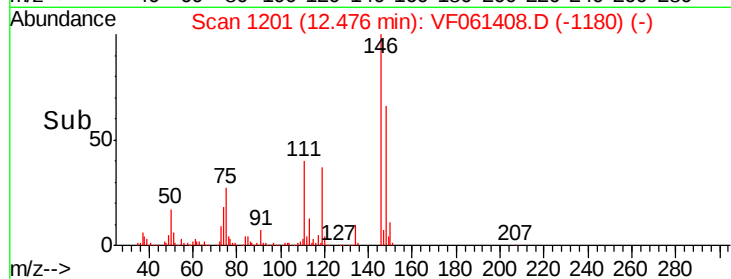
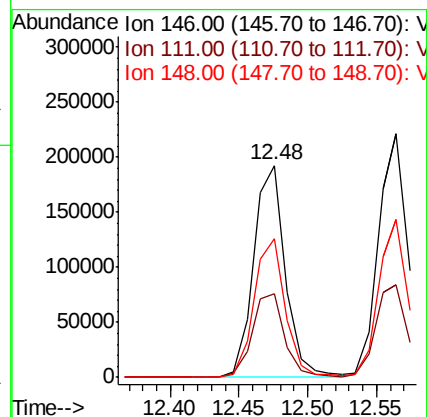
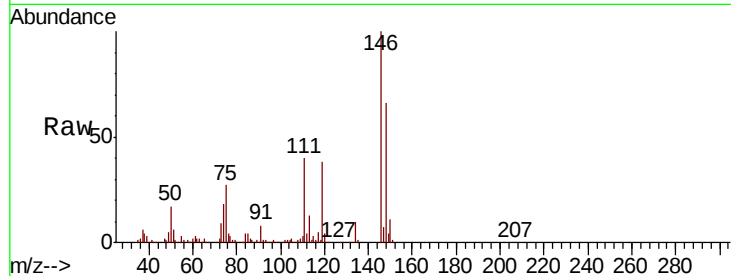




#87
 1,3-Dichlorobenzene
 Concen: 59.725 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

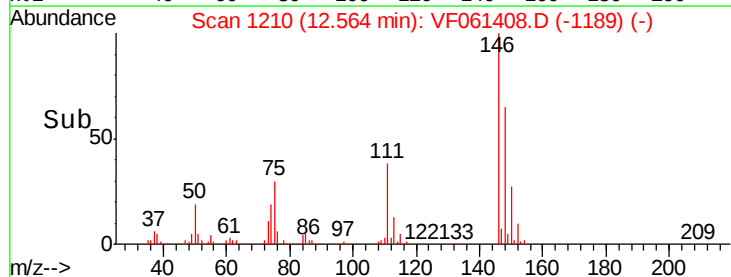
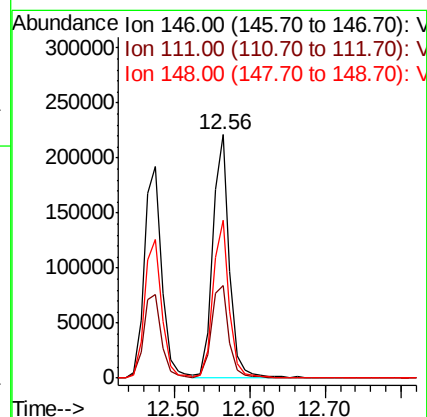
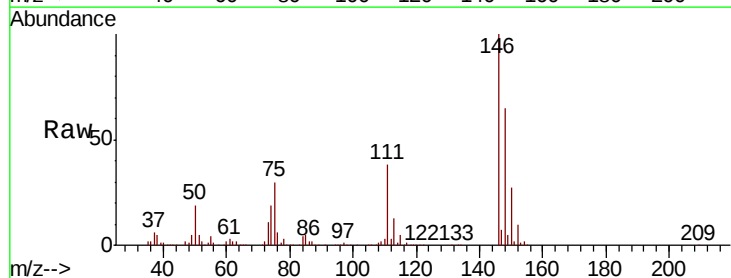
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

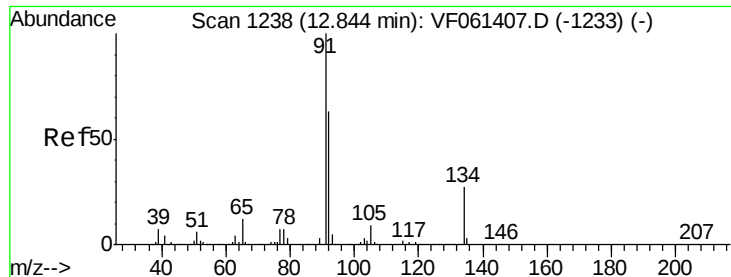
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	21.1	63.4
148	65.5	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 71.515 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.8	62.2
148	65.0	32.1	96.5





#89

n-Butylbenzene

Concen: 63.244 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

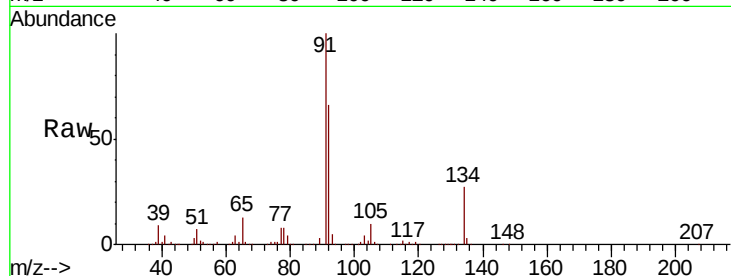
Tgt Ion: 91 Resp: 759861

Ion Ratio Lower Upper

91 100

92 66.2 31.6 94.7

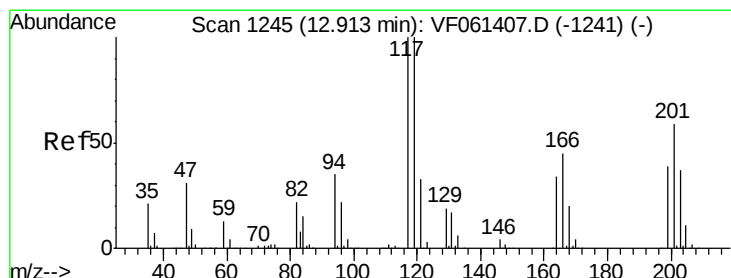
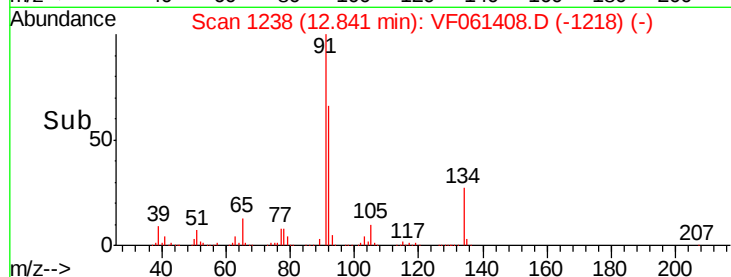
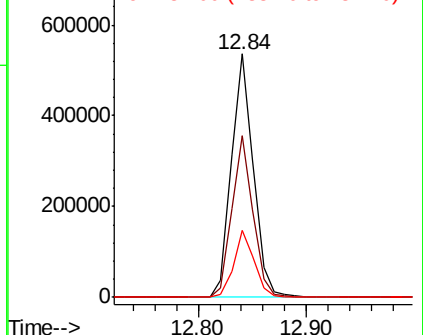
134 27.3 13.6 40.8



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: 75.862 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VF061408.D

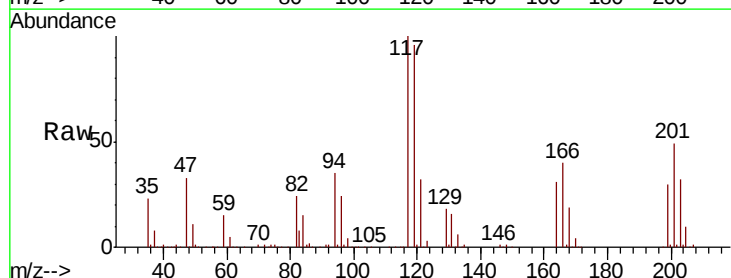
Acq: 15 Jan 2019 15:56

Tgt Ion: 117 Resp: 194669

Ion Ratio Lower Upper

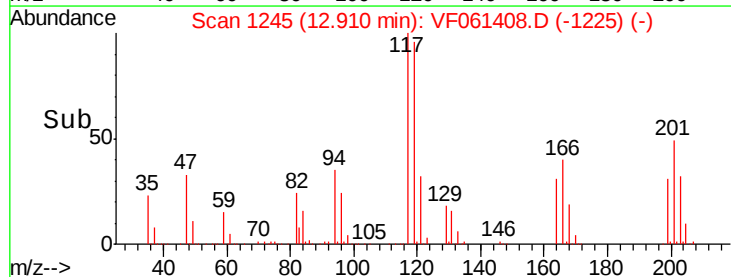
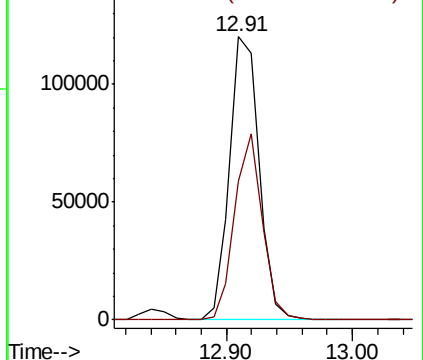
117 100

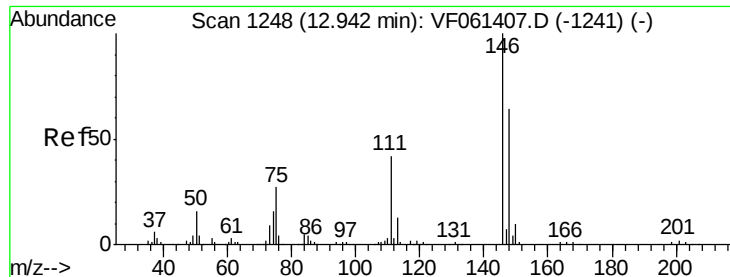
201 49.2 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

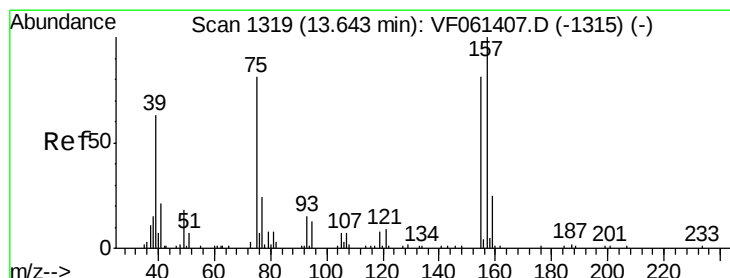
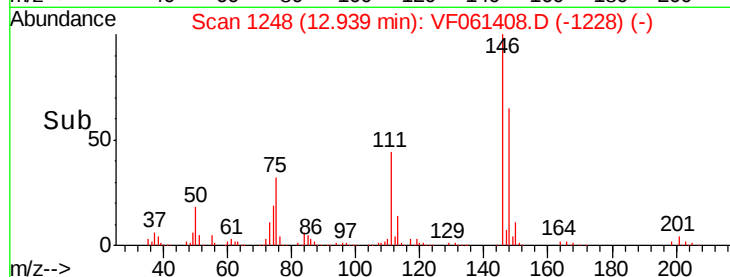
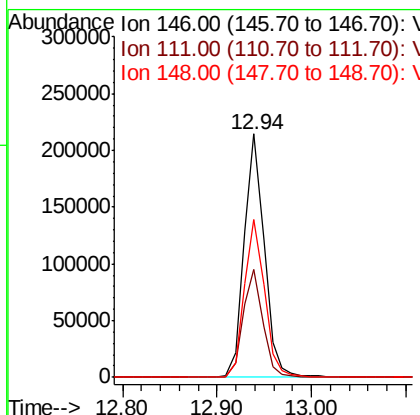
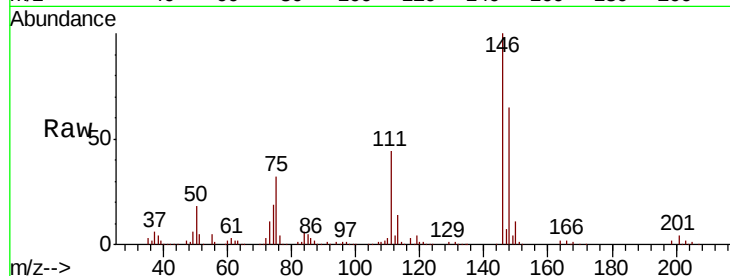




#91
 1,2-Dichlorobenzene
 Concen: 65.348 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

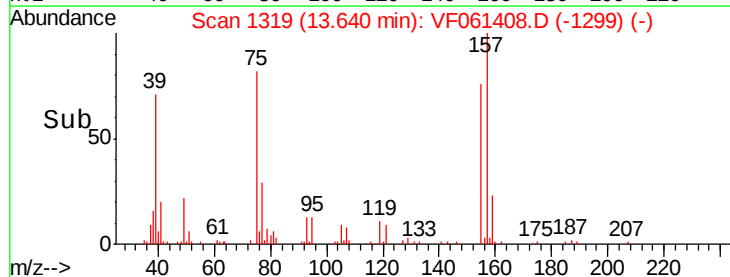
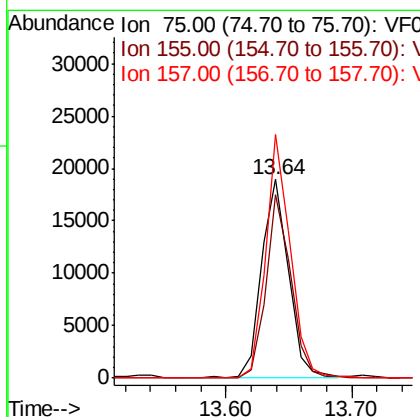
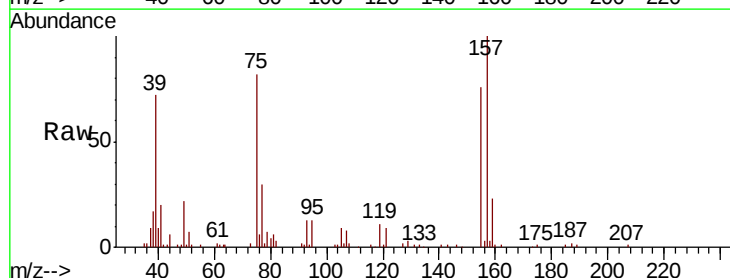
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

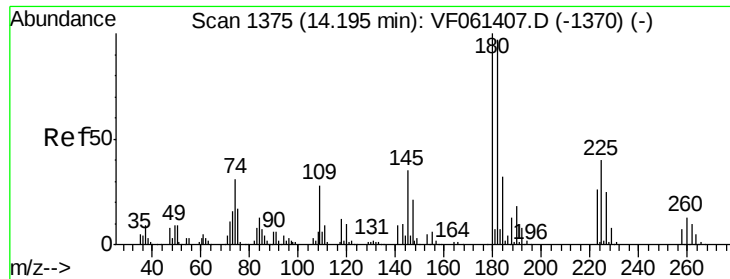
Tgt Ion: 146 Resp: 316072
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.1 63.3
 148 64.7 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 77.570 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Tgt Ion: 75 Resp: 28288
 Ion Ratio Lower Upper
 75 100
 155 92.6 49.7 149.1
 157 122.5 61.4 184.1

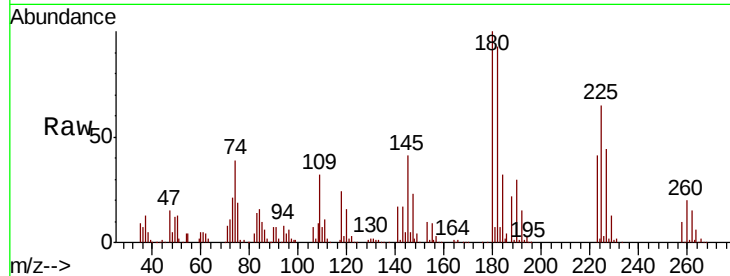




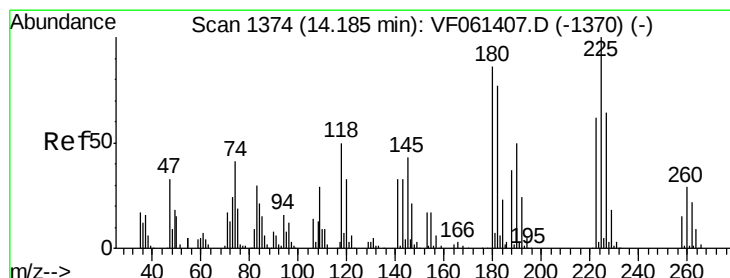
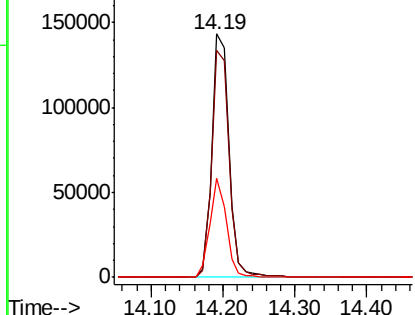
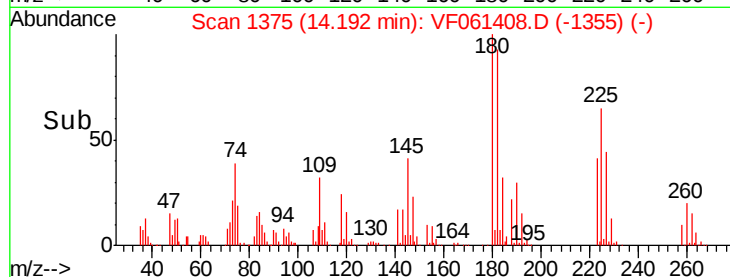
#93
 1,2,4-Trichlorobenzene
 Concen: 69.775 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 235533
 Ion Ratio Lower Upper
 180 100
 182 93.4 48.5 145.6
 145 40.5 17.5 52.6

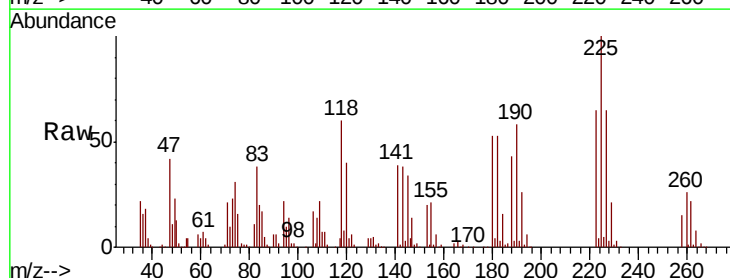


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

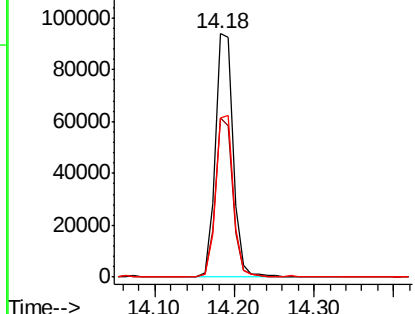
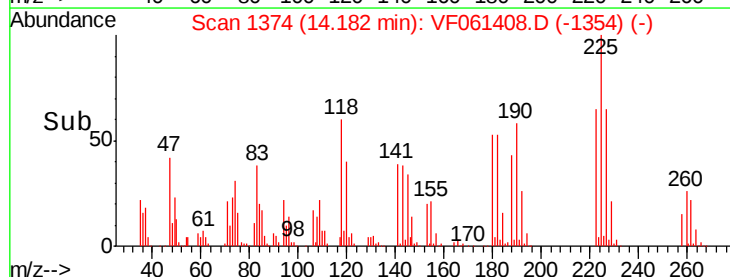


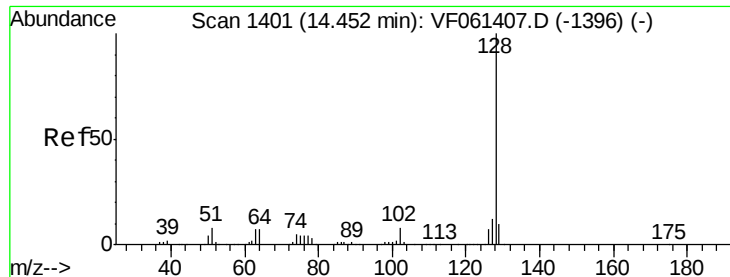
#94
 Hexachlorobutadiene
 Concen: 73.510 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Tgt Ion:225 Resp: 150257
 Ion Ratio Lower Upper
 225 100
 223 65.5 31.1 93.2
 227 65.5 32.2 96.6



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





#95

Naphthalene

Concen: 80.248 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

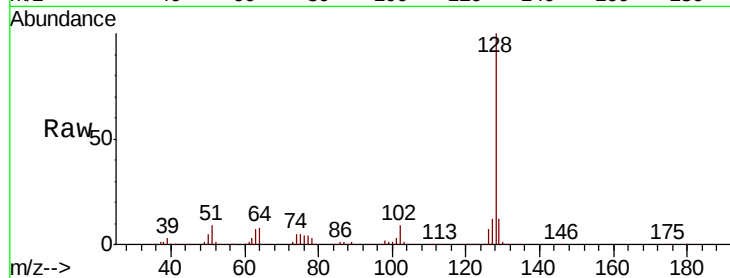
Tgt Ion:128 Resp: 482171

Ion Ratio Lower Upper

128 100

127 12.4 9.5 14.3

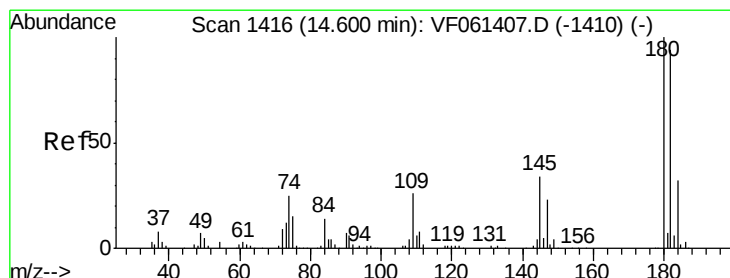
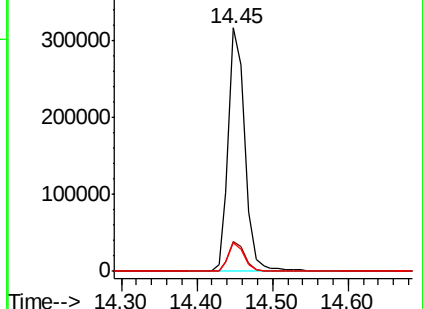
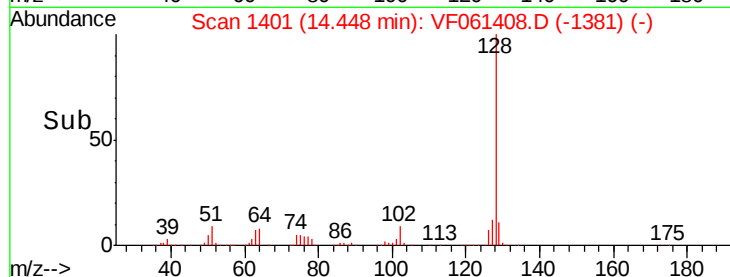
129 11.5 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 75.223 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

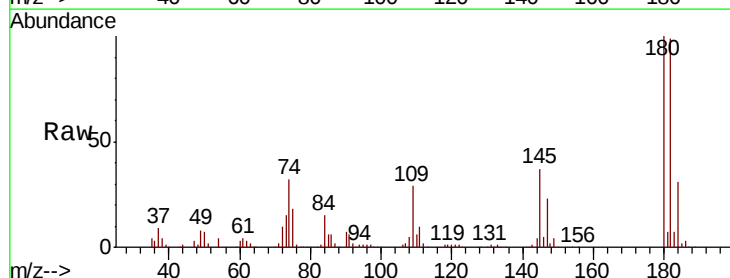
Tgt Ion:180 Resp: 228082

Ion Ratio Lower Upper

180 100

182 99.0 47.0 141.2

145 37.0 17.1 51.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

