

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010319\
 Data File : VF061267.D
 Acq On : 3 Jan 2019 16:14
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Jan 04 02:44:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	195665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	347625	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	320350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	153438	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	183004	72.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.74%	
35) Dibromofluoromethane	4.12	113	195268	70.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.60%	
50) Toluene-d8	7.56	98	571581	72.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.40%	
62) 4-Bromofluorobenzene	11.41	95	246527	67.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	274130	64.534	ug/l	96
3) Chloromethane	1.10	50	199473	78.535	ug/l	97
4) Vinyl Chloride	1.14	62	172342	73.357	ug/l	95
5) Bromomethane	1.33	94	122731	75.593	ug/l	96
6) Chloroethane	1.38	64	83308	77.412	ug/l	95
7) Trichlorofluoromethane	1.48	101	329840	74.663	ug/l	98
8) Diethyl Ether	1.63	74	48982	81.606	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	161833	70.082	ug/l	97
10) Methyl Iodide	1.90	142	210044	57.989	ug/l	93
11) Tert butyl alcohol	2.57	59	37220	371.107	ug/l	93
12) 1,1-Dichloroethene	1.79	96	139284	80.468	ug/l	96
13) Acrolein	2.00	56	30170	401.020	ug/l	95
14) Allyl chloride	2.09	41	195143	98.806	ug/l	93
15) Acrylonitrile	2.94	53	95509	403.253	ug/l	98
16) Acetone	2.24	43	152233	318.336	ug/l	97
17) Carbon Disulfide	1.83	76	428352	80.736	ug/l	98
18) Methyl Acetate	2.43	43	87793	84.395	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	277032	73.237	ug/l	97
20) Methylene Chloride	2.18	84	56376	29.558	ug/l	94
21) trans-1,2-Dichloroethene	2.31	96	142637	75.770	ug/l	95
22) Diisopropyl ether	2.80	45	466119	77.074	ug/l	98
23) Vinyl Acetate	3.19	43	1085600	393.335	ug/l	99
24) 1,1-Dichloroethane	2.87	63	284207	79.045	ug/l	99
25) 2-Butanone	4.33	43	299190	367.754	ug/l	94
26) 2,2-Dichloropropane	3.60	77	155975	75.090	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	204285	71.740	ug/l	98
28) Bromochloromethane	3.72	49	128936	72.252	ug/l	89
29) Tetrahydrofuran	4.08	42	128438	387.015	ug/l	95
30) Chloroform	3.86	83	365692	68.730	ug/l	98
31) Cyclohexane	3.70	56	292007	77.533	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	281301	84.713	ug/l	99
36) 1,1-Dichloropropene	4.28	75	296653	70.557	ug/l	99
37) Ethyl Acetate	4.11	43	113345	66.769	ug/l	81
38) Carbon Tetrachloride	4.00	117	243376	75.052	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	326501	84.522	ug/l	97
40) Benzene	4.64	78	647649	71.147	ug/l	98
41) Methacrylonitrile	4.75	41	64664	74.331	ug/l	96
42) 1,2-Dichloroethane	4.94	62	231228	69.114	ug/l	98
43) Isopropyl Acetate	6.97	43	155506	76.723	ug/l #	97
44) Trichloroethene	5.51	130	195287	69.068	ug/l	99
45) 1,2-Dichloropropane	6.24	63	181600	73.767	ug/l	98
46) Dibromomethane	6.09	93	115687	73.566	ug/l	98
47) Bromodichloromethane	6.39	83	295839	72.679	ug/l	98
48) Methyl methacrylate	6.72	41	105365	74.506	ug/l	91
49) 1,4-Dioxane	6.71	88	16505	1637.120	ug/l	87
51) 4-Methyl-2-Pentanone	8.26	43	519395	374.722	ug/l	98
52) Toluene	7.63	92	414360	68.864	ug/l	99
53) t-1,3-Dichloropropene	8.29	75	226968	68.417	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	298083	71.471	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	128219	71.723	ug/l	96
56) Ethyl methacrylate	8.62	69	134342	69.584	ug/l	93
57) 1,3-Dichloropropane	8.86	76	236211	72.882	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	91128	258.928	ug/l	95
59) 2-Hexanone	9.49	43	380846	382.209	ug/l	100
60) Dibromochloromethane	8.72	129	184765	73.219	ug/l	99
61) 1,2-Dibromoethane	8.99	107	135134	71.071	ug/l	96
64) Tetrachloroethene	8.16	164	179060	71.946	ug/l	99
65) Chlorobenzene	9.81	112	464865	69.445	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	190835	69.735	ug/l	98
67) Ethyl Benzene	9.90	91	857612	69.937	ug/l	95
68) m/p-Xylenes	10.14	106	577462	134.707	ug/l	95
69) o-Xylene	10.71	106	325541	67.860	ug/l	93
70) Styrene	10.79	104	433942	65.440	ug/l	100
71) Bromoform	10.78	173	86560	68.666	ug/l #	95
73) Isopropylbenzene	11.13	105	939269	70.976	ug/l	100
74) N-amyl acetate	11.37	43	235657	79.723	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	159576	73.475	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	115694	71.524	ug/l	97
77) Bromobenzene	11.50	156	200117	70.669	ug/l	90
78) n-propylbenzene	11.60	91	1037297	66.702	ug/l	96
79) 2-Chlorotoluene	11.72	91	618493	68.486	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	747877	69.140	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	69702	98.695	ug/l	94
82) 4-Chlorotoluene	11.91	91	631099	67.245	ug/l	99
83) tert-Butylbenzene	12.13	119	769498	69.190	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	750602	69.575	ug/l	96
85) sec-Butylbenzene	12.31	105	1034265	70.708	ug/l	96
86) p-Isopropyltoluene	12.46	119	825447	67.861	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	362209	67.501	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	375987	71.489	ug/l	98
89) n-Butylbenzene	12.84	91	857415	68.251	ug/l	97
90) Hexachloroethane	12.92	117	214416	71.418	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	350012	69.286	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	29633	75.122	ug/l	79

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Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:39:51 2019
Response via : Initial Calibration

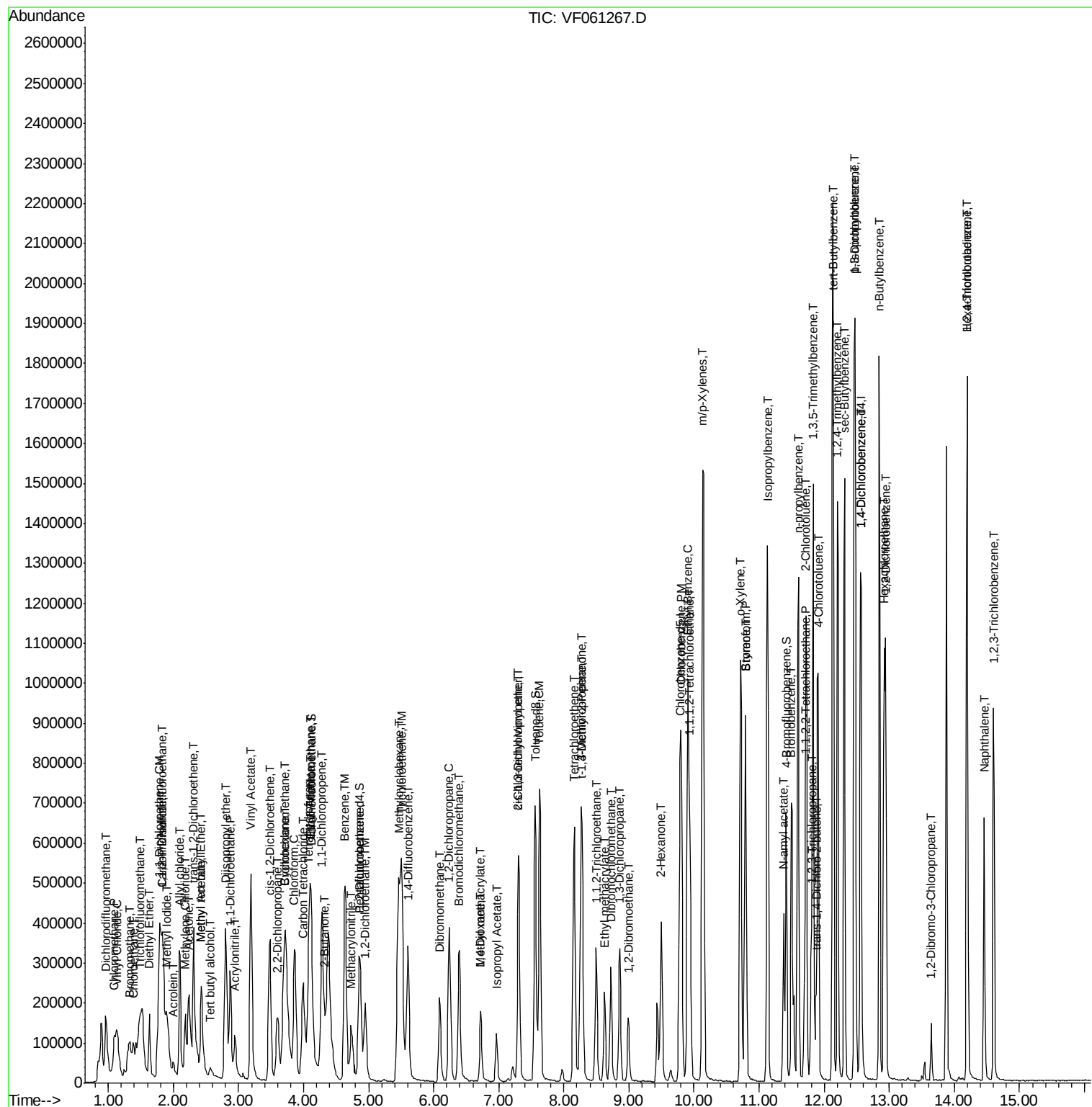
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	248888	69.133	ug/l	96
94) Hexachlorobutadiene	14.20	225	163666	71.409	ug/l	97
95) Naphthalene	14.46	128	503009	77.331	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	247242	75.072	ug/l	96

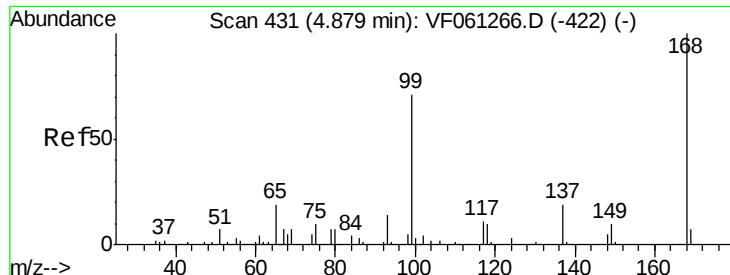
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

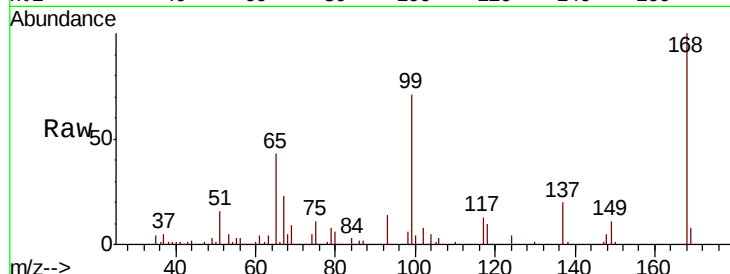
VSTDIC075

Tgt Ion:168 Resp: 195665

Ion Ratio Lower Upper

168 100

99 70.7 57.0 85.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

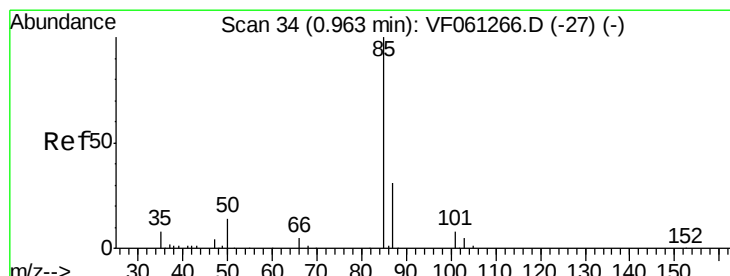
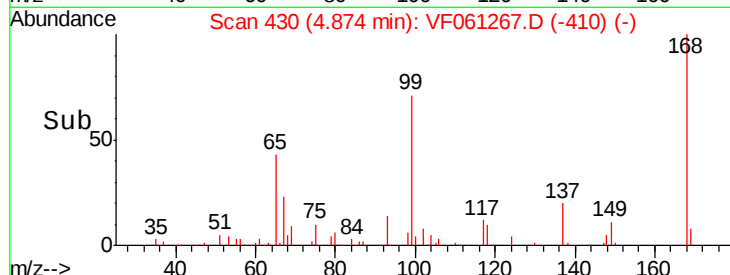
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 64.534 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061267.D

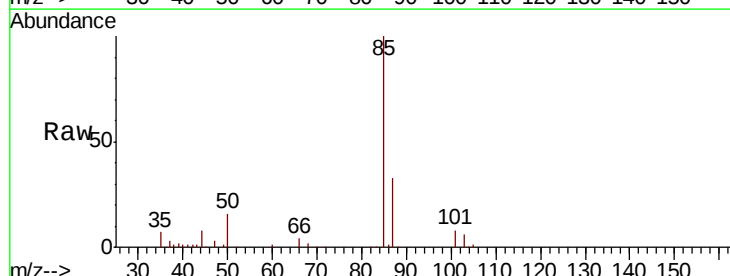
Acq: 3 Jan 2019 16:14

Tgt Ion: 85 Resp: 274130

Ion Ratio Lower Upper

85 100

87 33.2 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

100000

80000

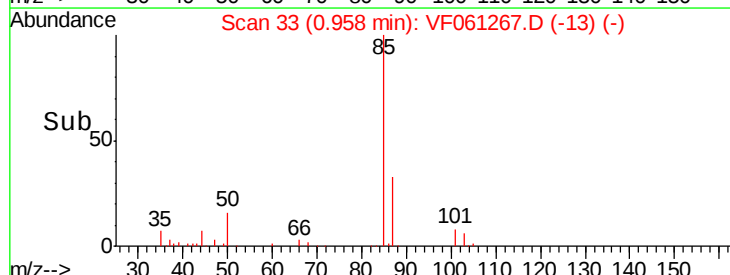
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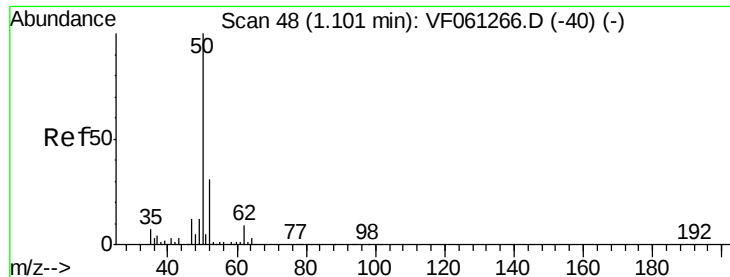
40000

20000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 78.535 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

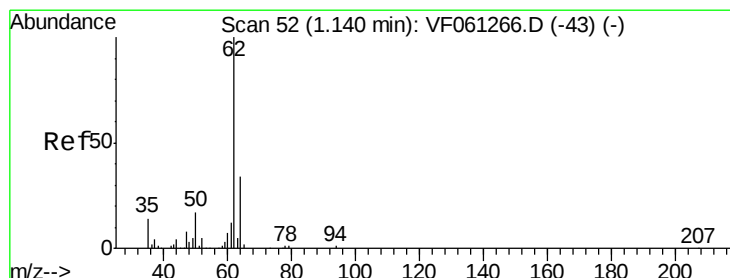
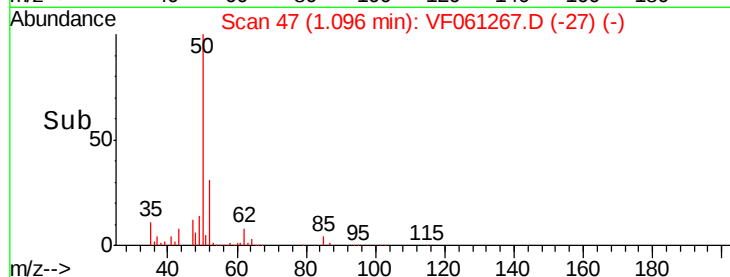
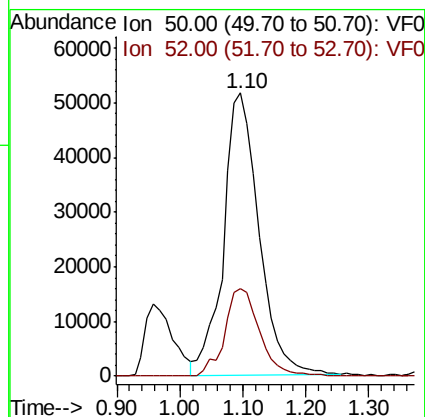
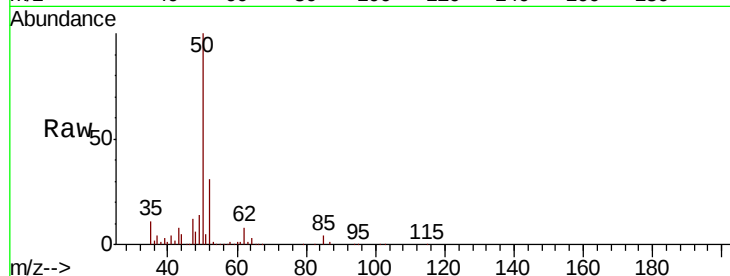
VSTDIC075

Tgt Ion: 50 Resp: 199473

Ion Ratio Lower Upper

50 100

52 30.9 23.4 35.2



#4

Vinyl Chloride

Concen: 73.357 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061267.D

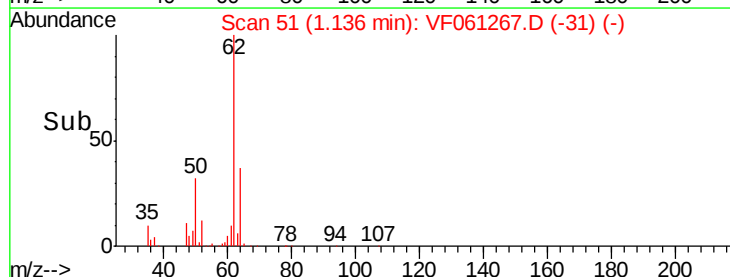
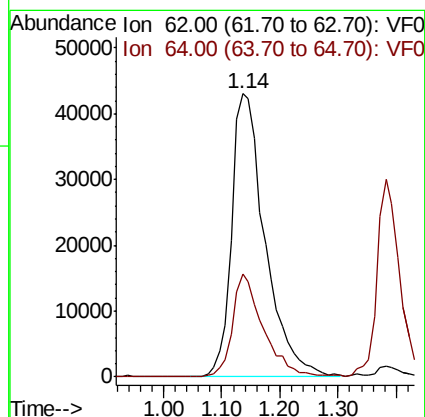
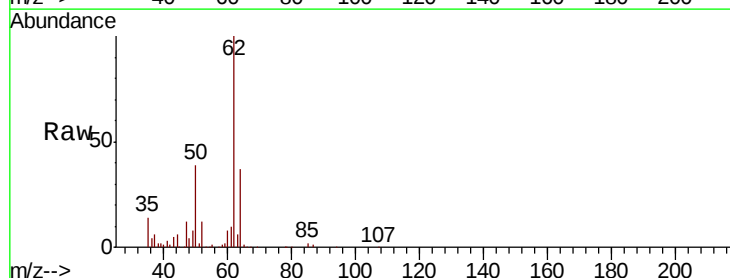
Acq: 3 Jan 2019 16:14

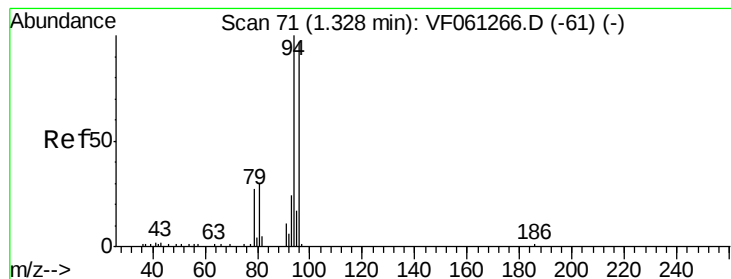
Tgt Ion: 62 Resp: 172342

Ion Ratio Lower Upper

62 100

64 36.6 26.9 40.3





#5

Bromomethane

Concen: 75.593 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

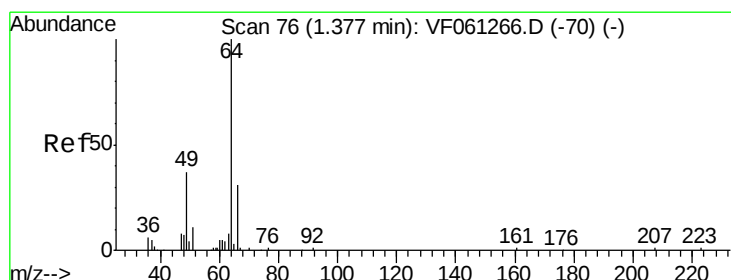
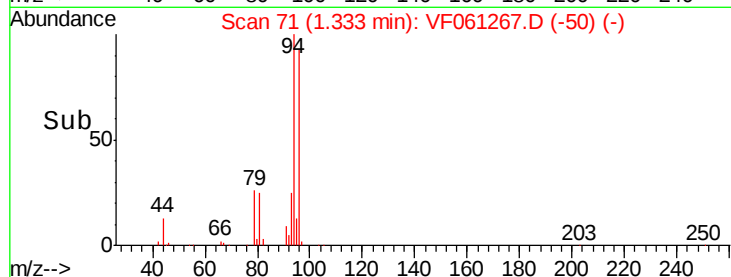
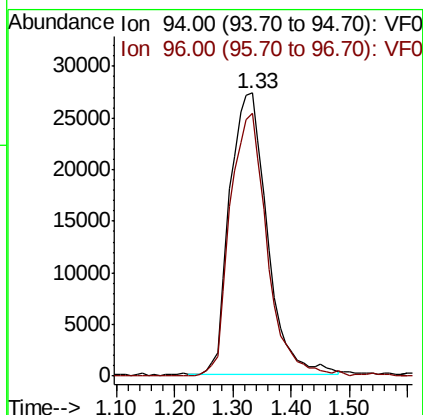
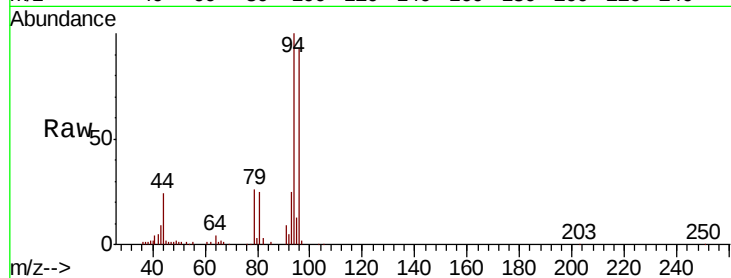
VSTDIC075

Tgt Ion: 94 Resp: 122731

Ion Ratio Lower Upper

94 100

96 92.8 77.2 115.8



#6

Chloroethane

Concen: 77.412 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF061267.D

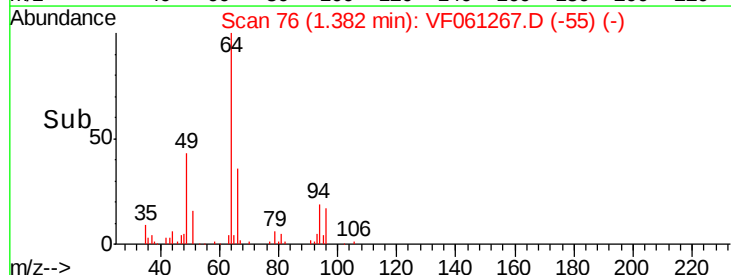
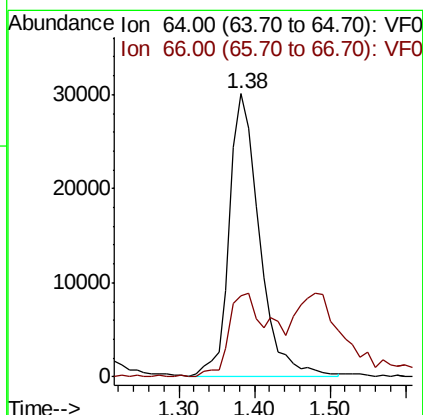
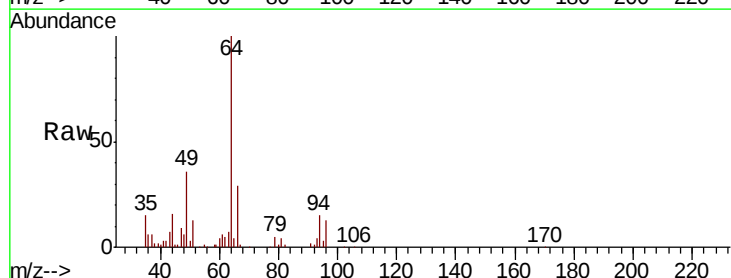
Acq: 3 Jan 2019 16:14

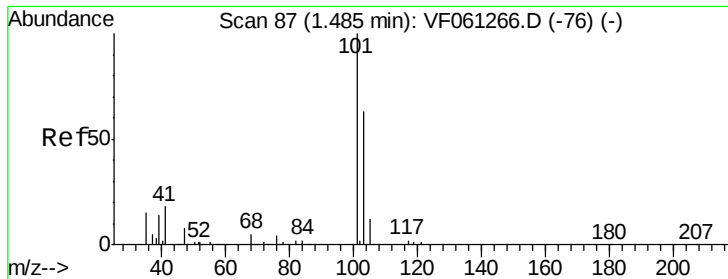
Tgt Ion: 64 Resp: 83308

Ion Ratio Lower Upper

64 100

66 28.8 25.2 37.8



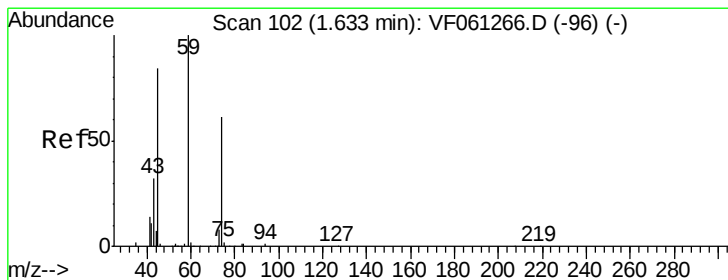
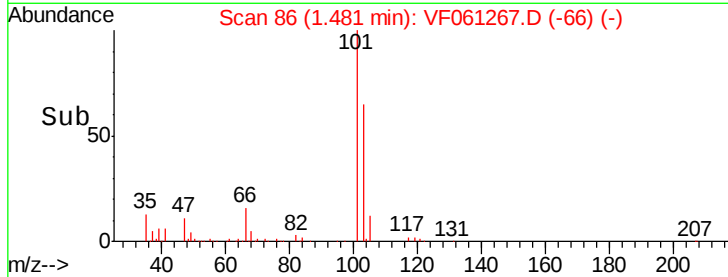
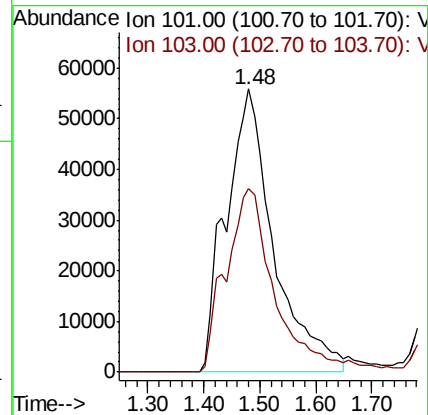
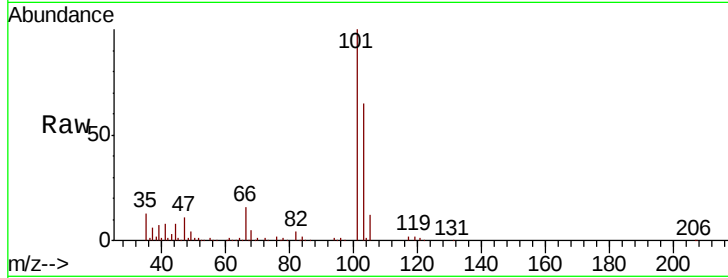


#7

Trichlorofluoromethane
 Concen: 74.663 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Instrument :
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 VSTDIC075

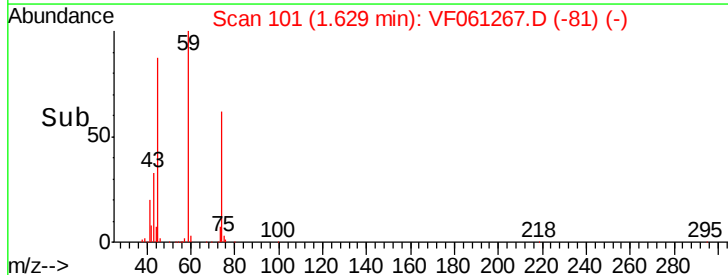
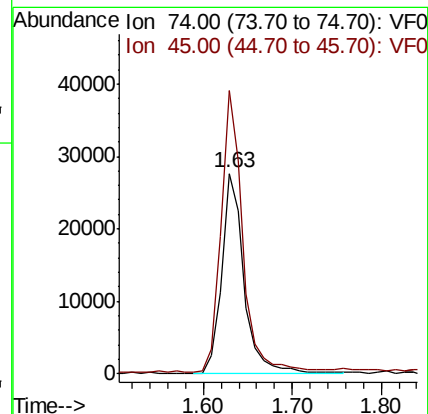
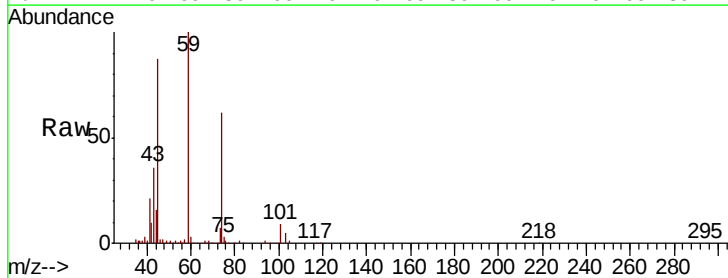
Tgt Ion:101 Resp: 329840
 Ion Ratio Lower Upper
 101 100
 103 64.7 50.3 75.5

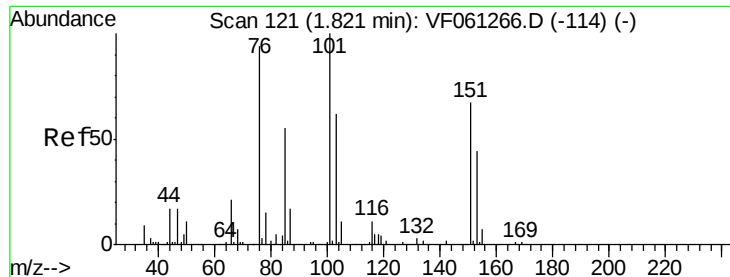


#8

Diethyl Ether
 Concen: 81.606 ug/l
 RT: 1.63 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion: 74 Resp: 48982
 Ion Ratio Lower Upper
 74 100
 45 141.4 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 70.082 ug/l

RT: 1.83 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

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VSTDIC075

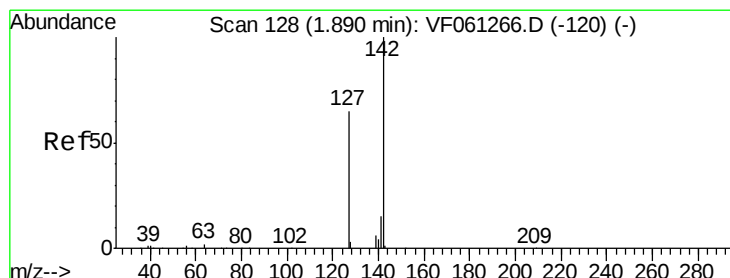
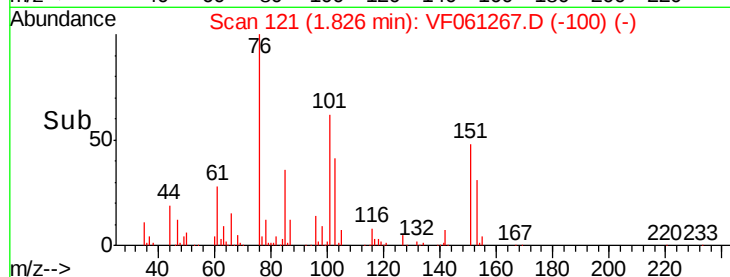
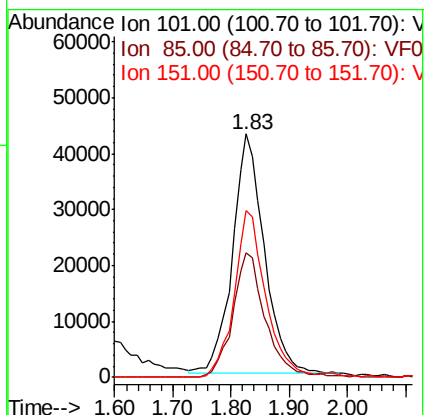
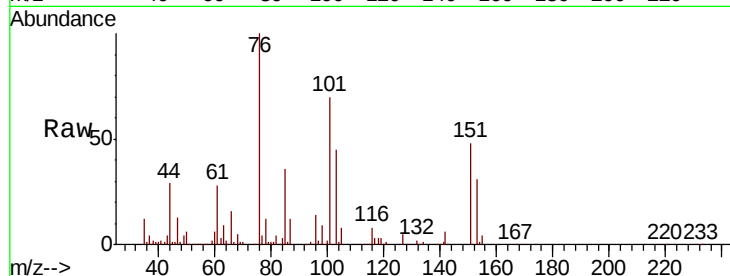
Tgt Ion:101 Resp: 161833

Ion Ratio Lower Upper

101 100

85 51.3 42.9 64.3

151 68.4 52.4 78.6



#10

Methyl Iodide

Concen: 57.989 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

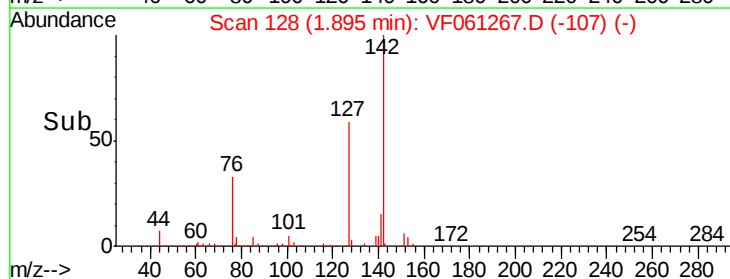
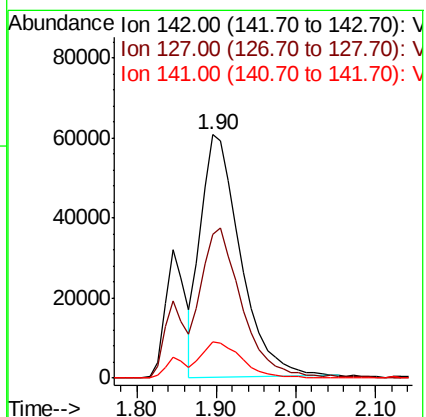
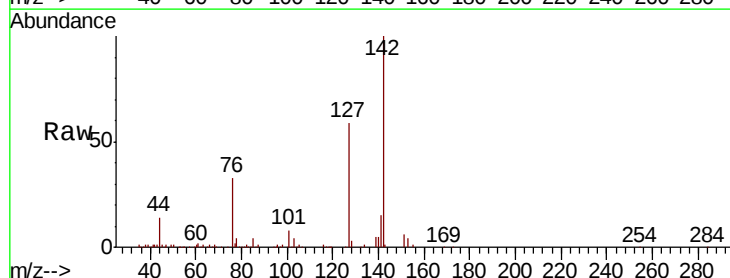
Tgt Ion:142 Resp: 210044

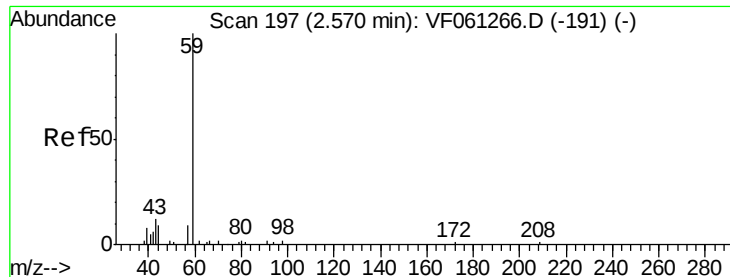
Ion Ratio Lower Upper

142 100

127 59.1 52.3 78.5

141 14.8 12.2 18.4

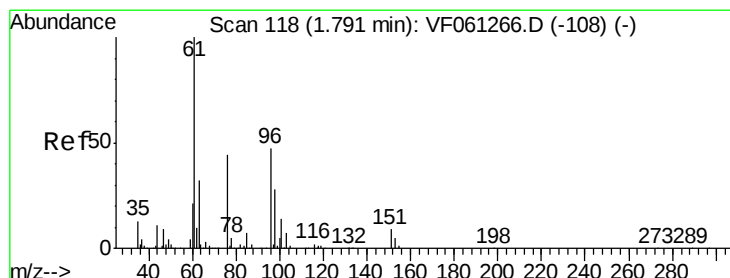
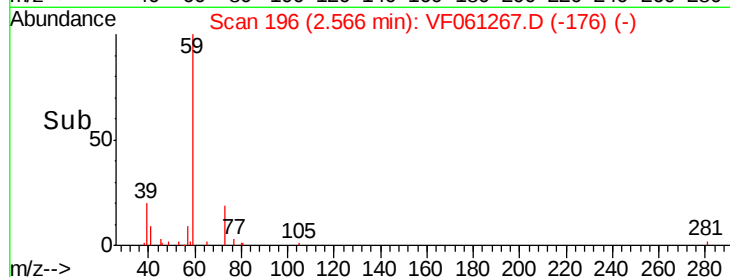
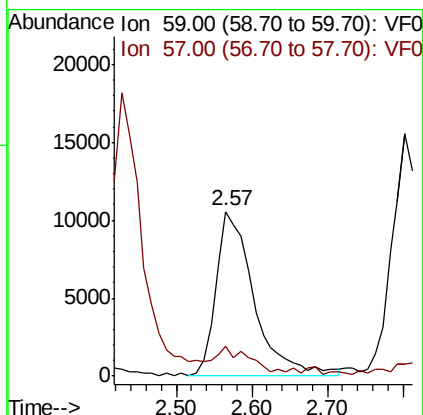
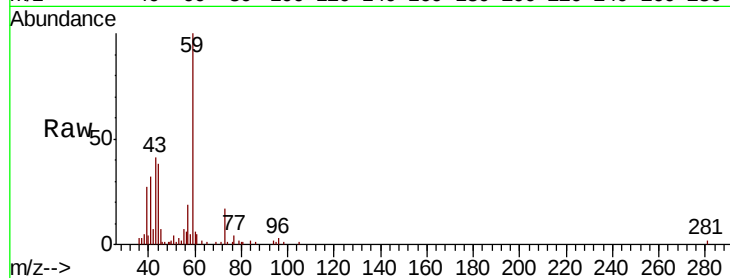




#11
Tert butyl alcohol
Concen: 371.107 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

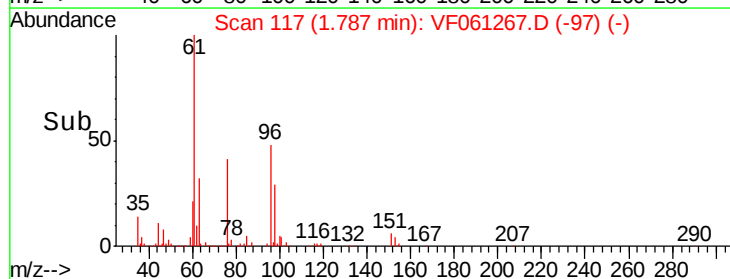
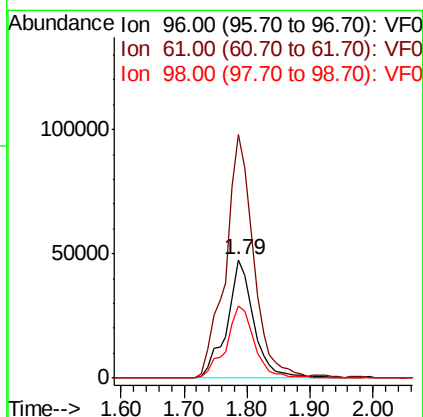
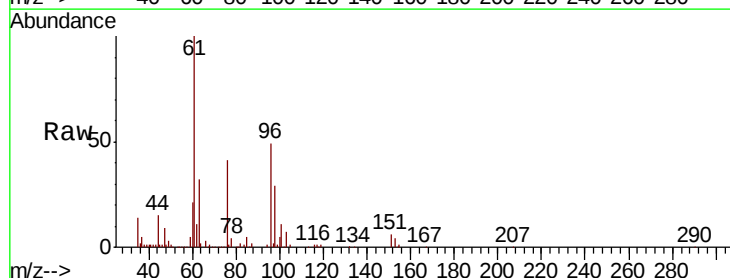
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

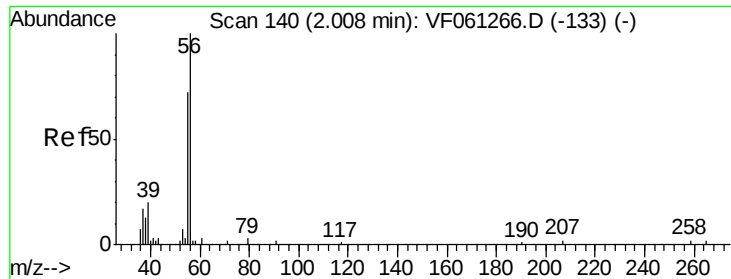
Tgt Ion: 59 Resp: 37220
Ion Ratio Lower Upper
59 100
57 18.5 12.6 18.8



#12
1,1-Dichloroethene
Concen: 80.468 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion: 96 Resp: 139284
Ion Ratio Lower Upper
96 100
61 205.9 171.6 257.4
98 60.5 48.6 72.8





#13

Acrolein

Concen: 401.020 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

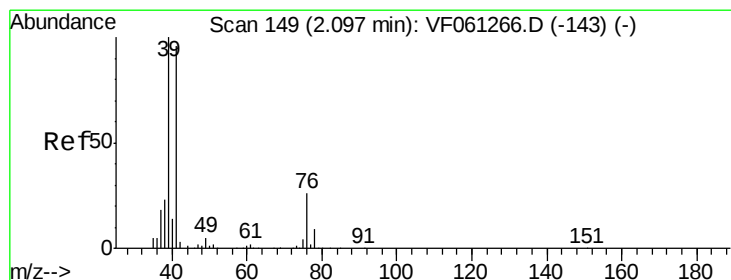
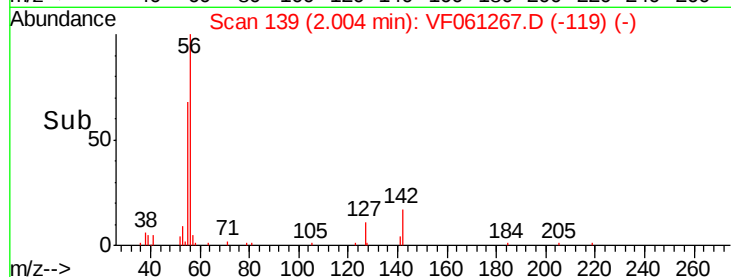
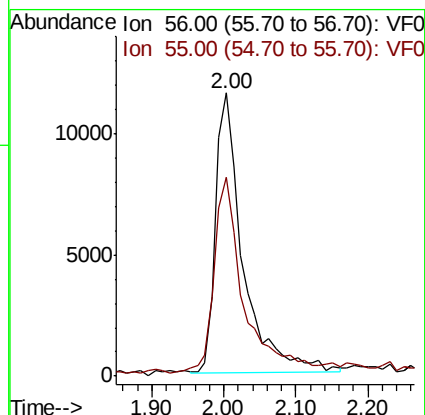
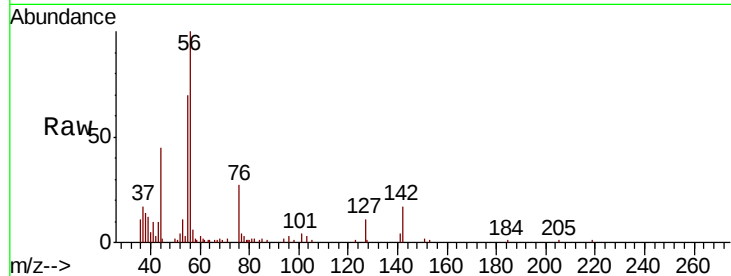
VSTDIC075

Tgt Ion: 56 Resp: 30170

Ion Ratio Lower Upper

56 100

55 70.5 59.7 89.5



#14

Allyl chloride

Concen: 98.806 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

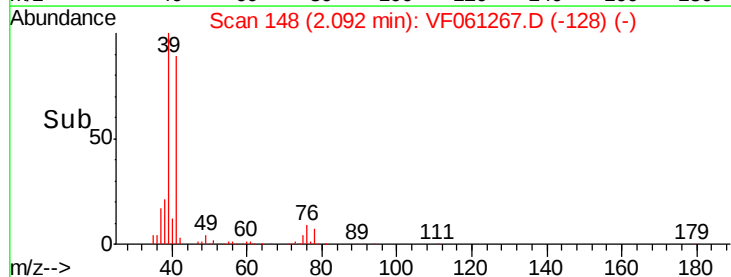
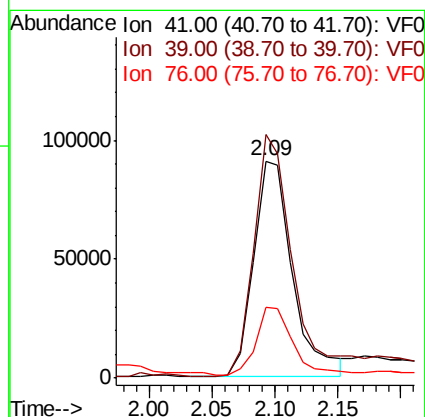
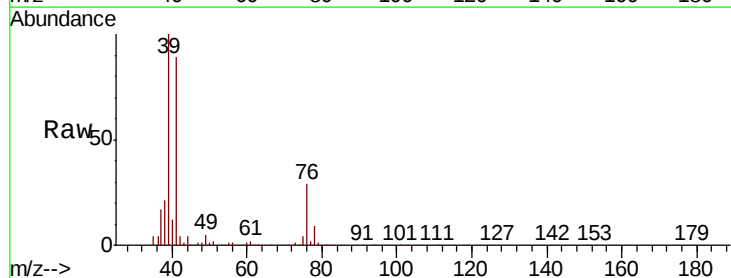
Tgt Ion: 41 Resp: 195143

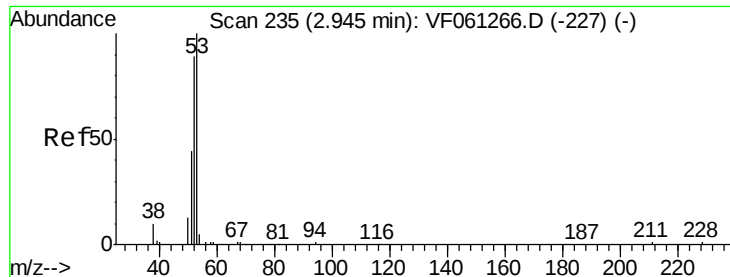
Ion Ratio Lower Upper

41 100

39 112.3 83.4 125.2

76 32.5 23.9 35.9





#15

Acrylonitrile

Concen: 403.253 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

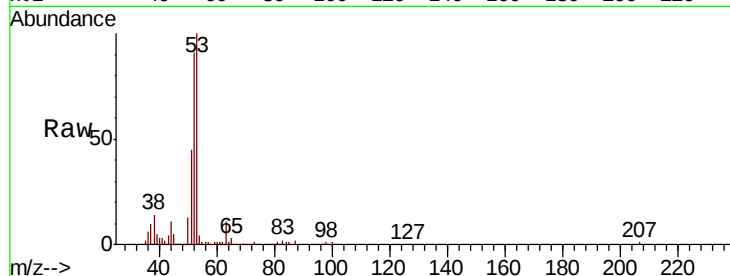
Tgt Ion: 53 Resp: 95509

Ion Ratio Lower Upper

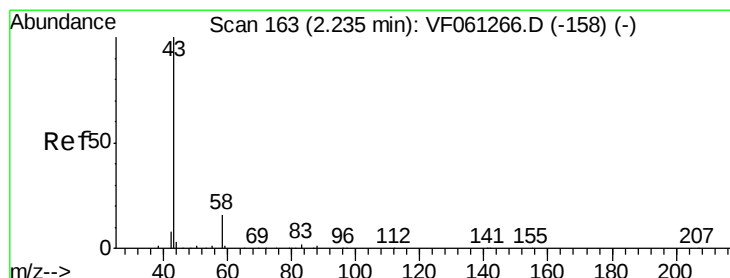
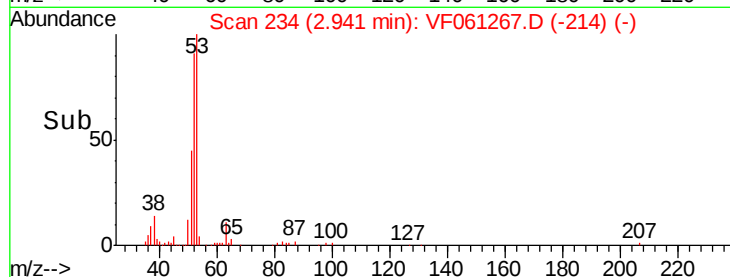
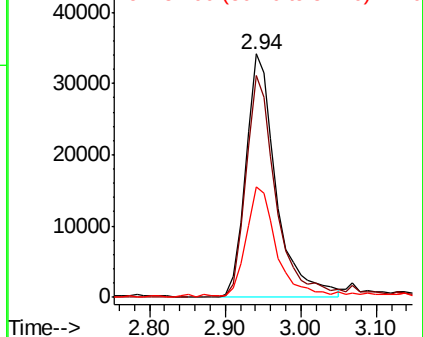
53 100

52 91.1 71.3 106.9

51 45.2 36.2 54.4



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 318.336 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061267.D

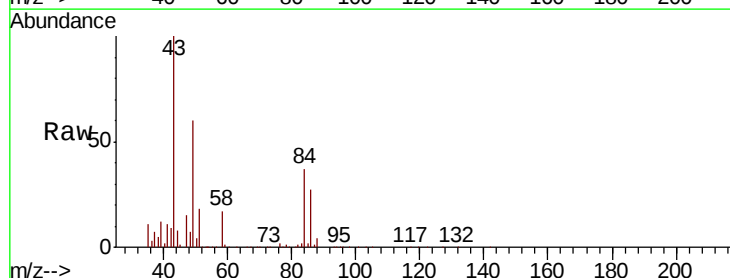
Acq: 3 Jan 2019 16:14

Tgt Ion: 43 Resp: 152233

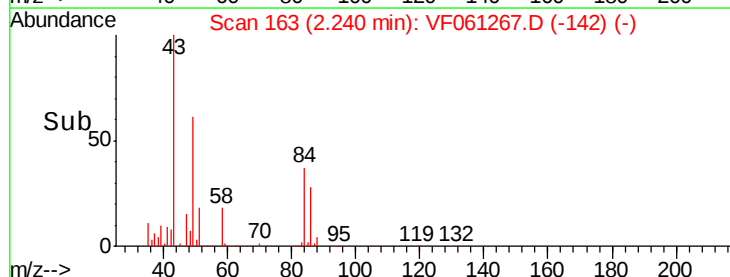
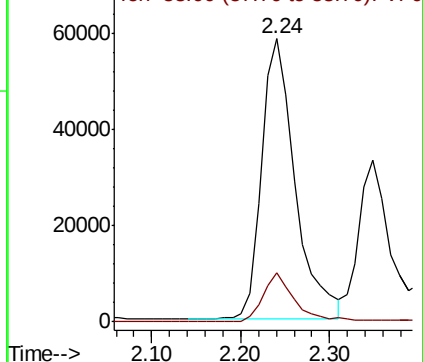
Ion Ratio Lower Upper

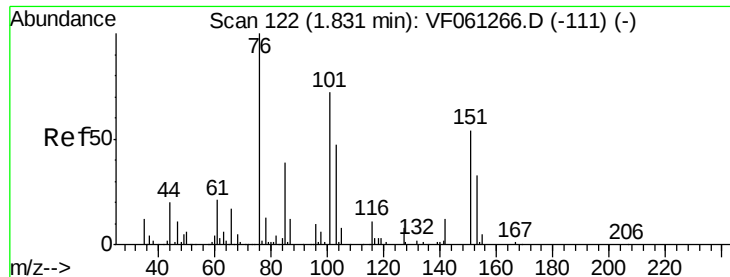
43 100

58 17.4 13.0 19.4



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





#17

Carbon Disulfide

Concen: 80.736 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

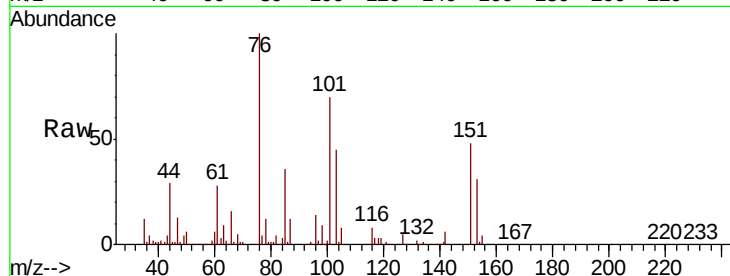
VSTDIC075

Tgt Ion: 76 Resp: 428352

Ion Ratio Lower Upper

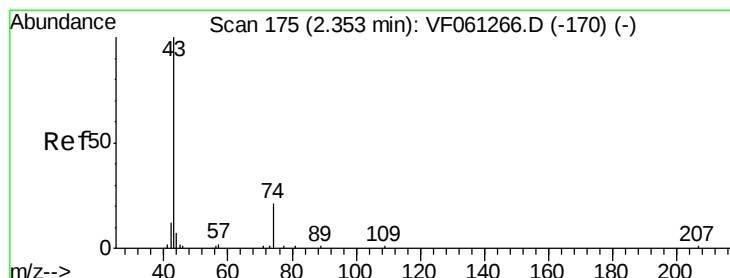
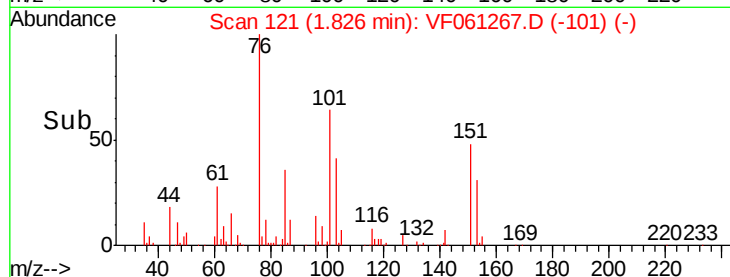
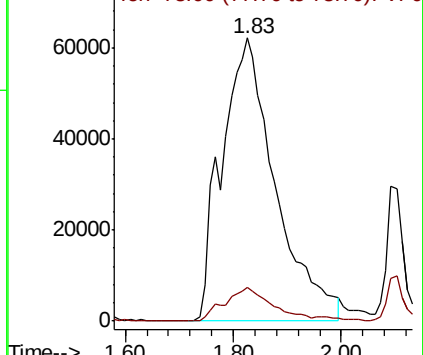
76 100

78 12.0 10.2 15.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 84.395 ug/l

RT: 2.43 min Scan# 182

Delta R.T. 0.07 min

Lab File: VF061267.D

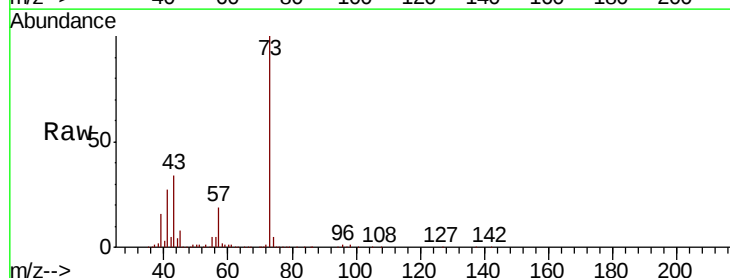
Acq: 3 Jan 2019 16:14

Tgt Ion: 43 Resp: 87793

Ion Ratio Lower Upper

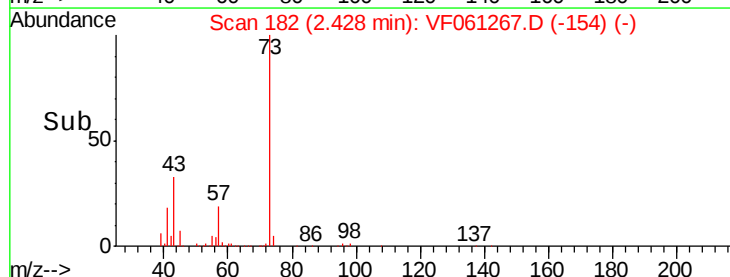
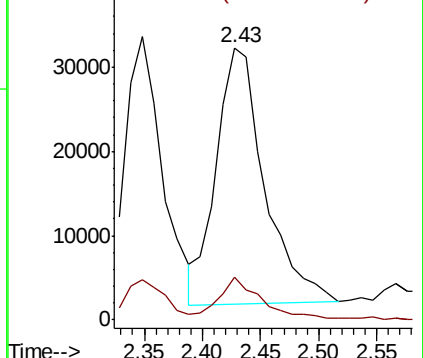
43 100

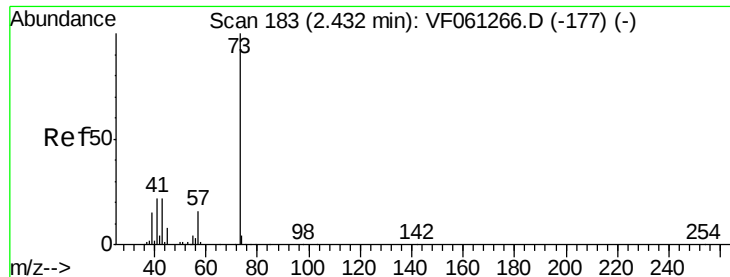
74 15.8 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



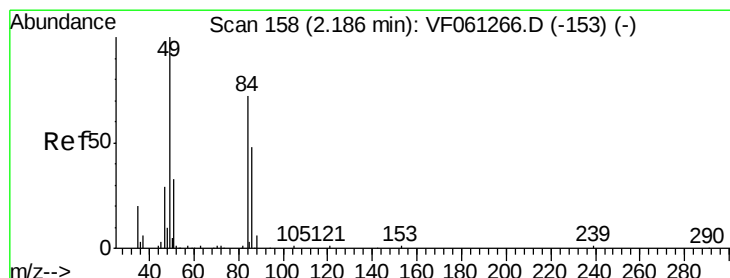
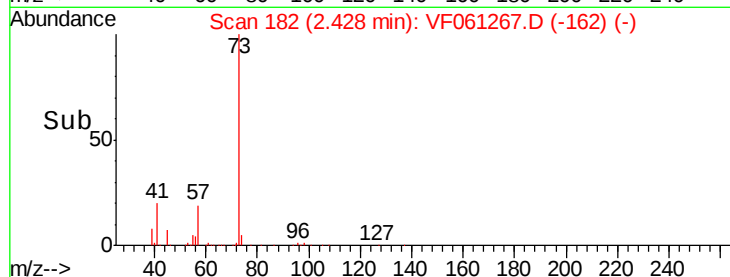
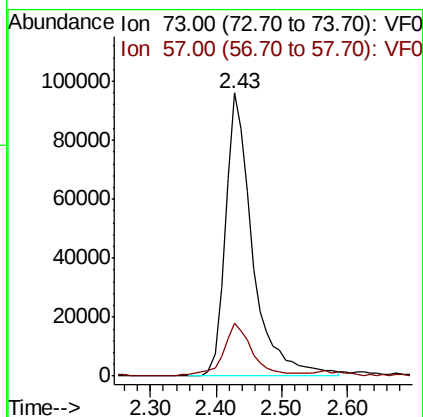
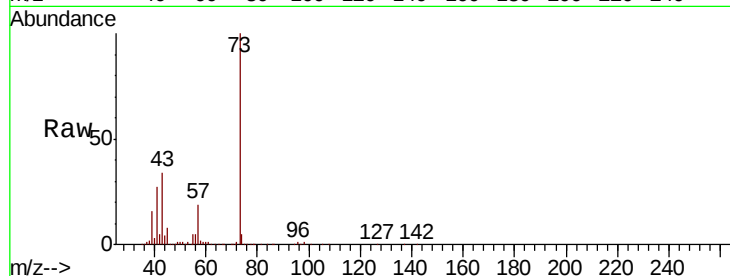


#19

Methyl tert-butyl Ether
 Concen: 73.237 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

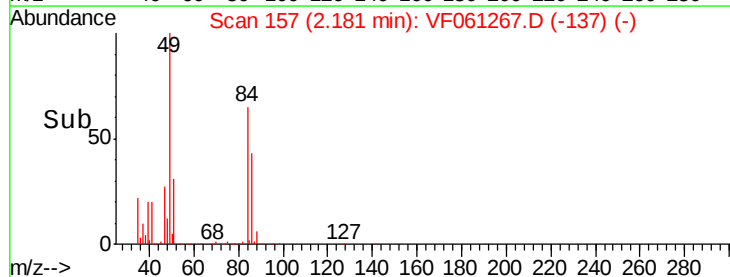
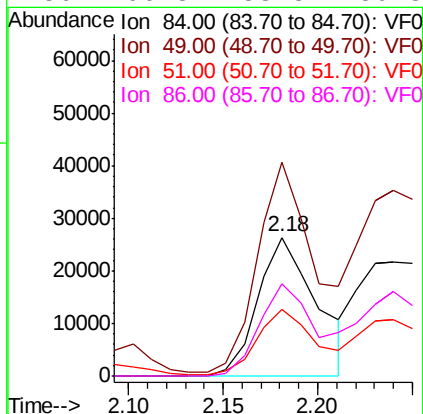
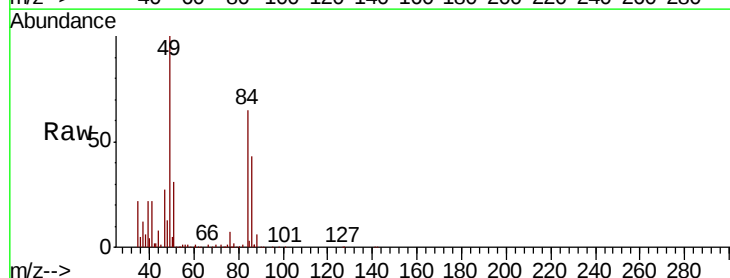
Tgt Ion: 73 Resp: 277032
 Ion Ratio Lower Upper
 73 100
 57 18.9 14.0 21.0

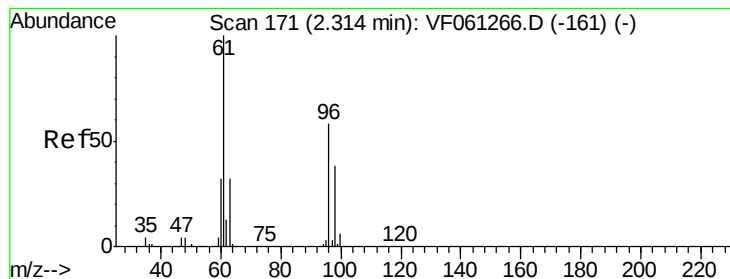


#20

Methylene Chloride
 Concen: 29.558 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion: 84 Resp: 56376
 Ion Ratio Lower Upper
 84 100
 49 154.0 112.9 169.3
 51 48.2 37.9 56.9
 86 66.8 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 75.770 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

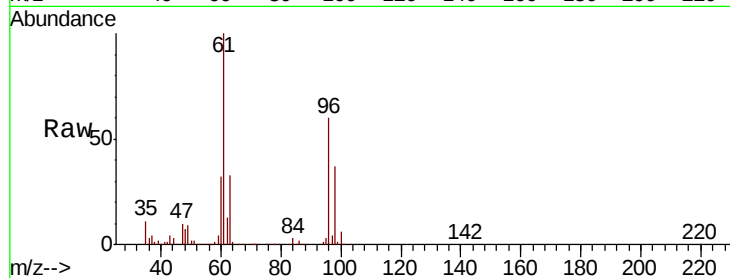
Tgt Ion: 96 Resp: 142637

Ion Ratio Lower Upper

96 100

61 166.6 139.3 208.9

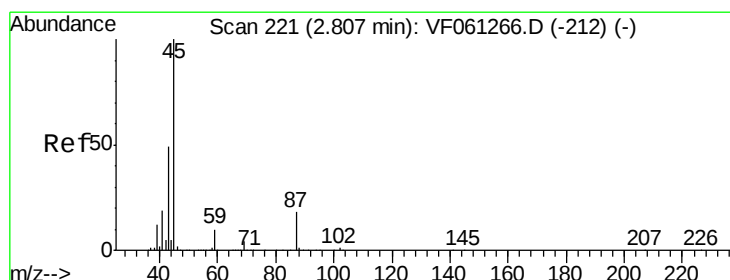
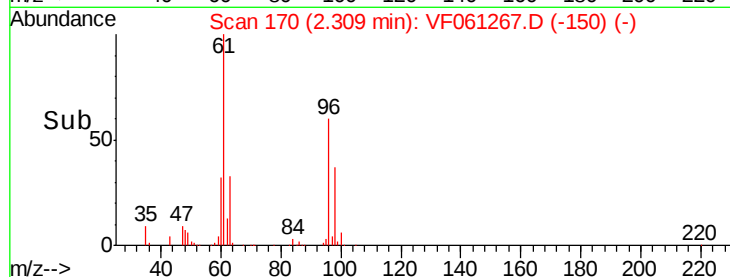
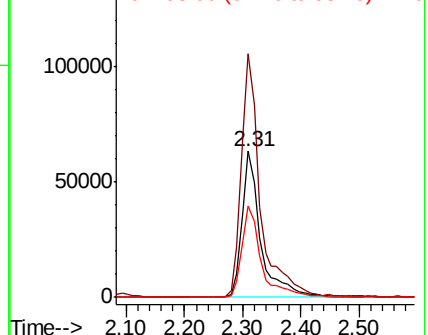
98 62.2 52.6 78.8



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: 77.074 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion: 45 Resp: 466119

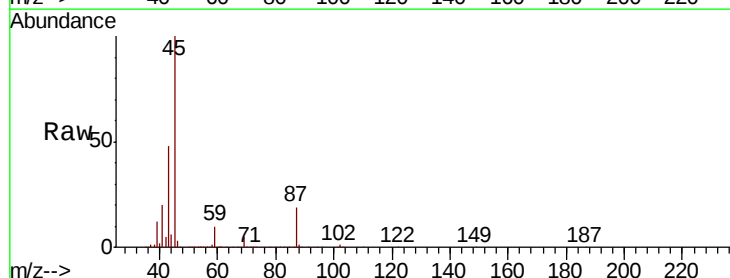
Ion Ratio Lower Upper

45 100

43 47.7 39.5 59.3

87 19.1 14.8 22.2

59 9.6 7.8 11.8

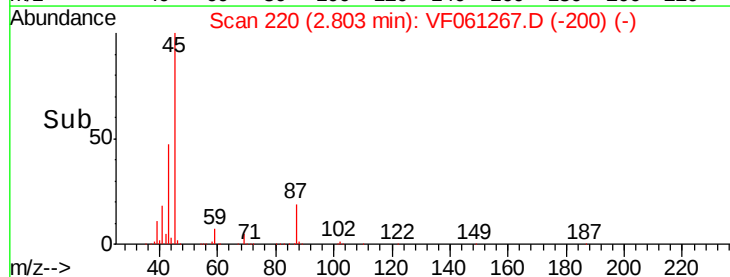
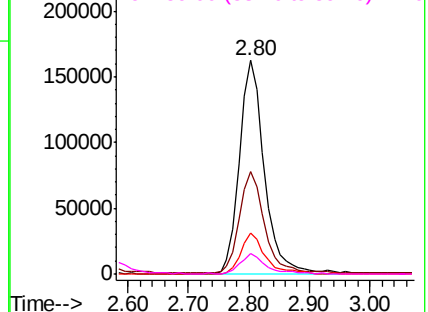


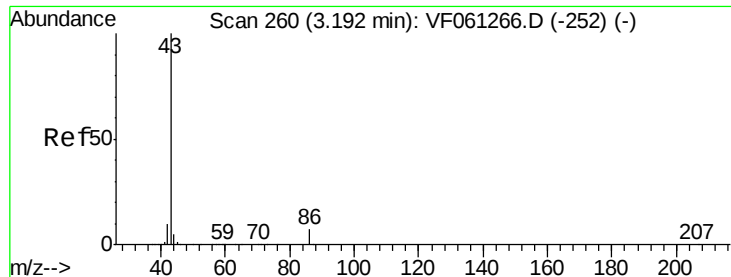
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 393.335 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

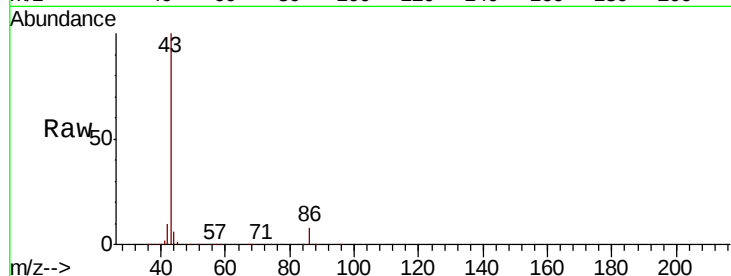
VSTDIC075

Tgt Ion: 43 Resp: 1085600

Ion Ratio Lower Upper

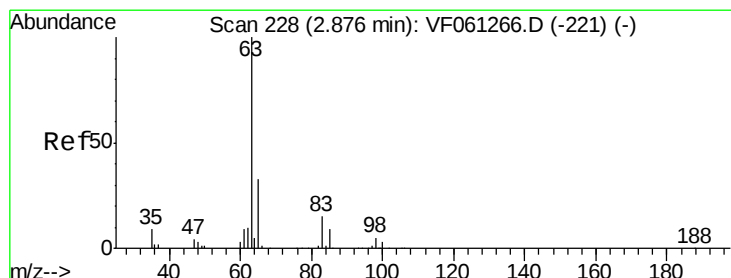
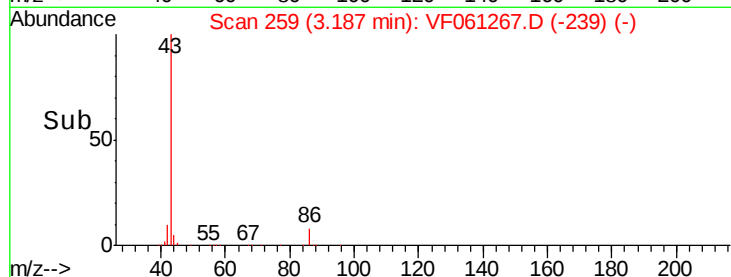
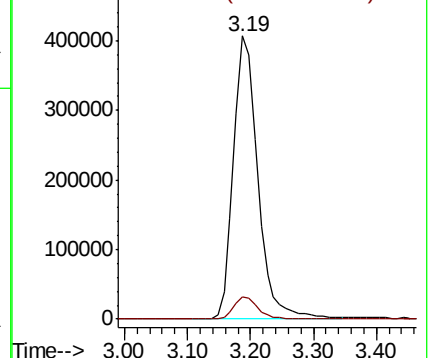
43 100

86 7.7 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 79.045 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

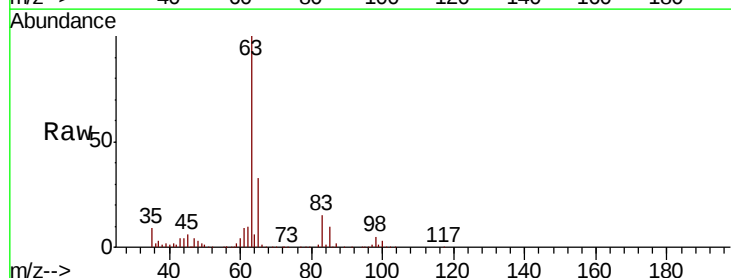
Tgt Ion: 63 Resp: 284207

Ion Ratio Lower Upper

63 100

98 4.7 2.5 7.5

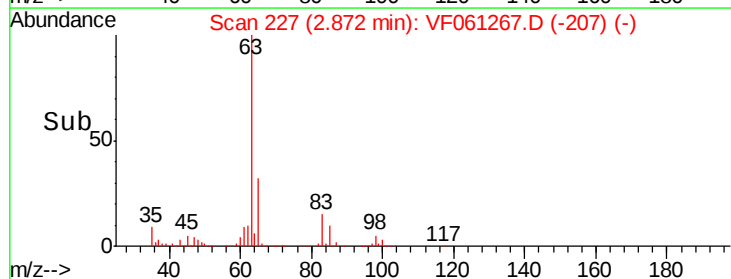
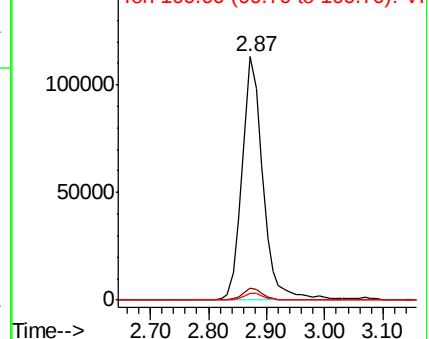
100 2.8 1.6 4.8

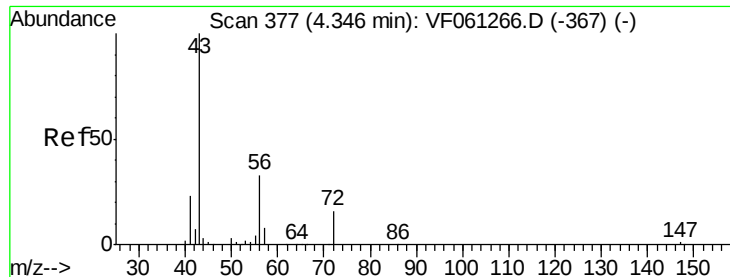


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 367.754 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

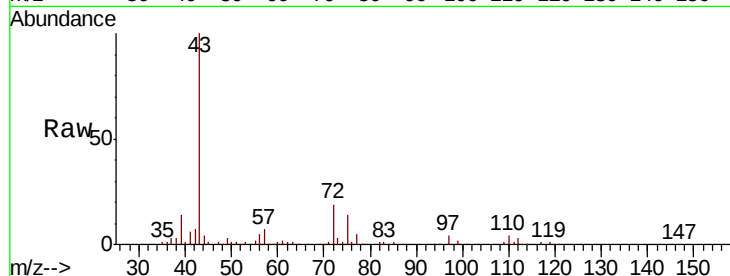
VSTDIC075

Tgt Ion: 43 Resp: 299190

Ion Ratio Lower Upper

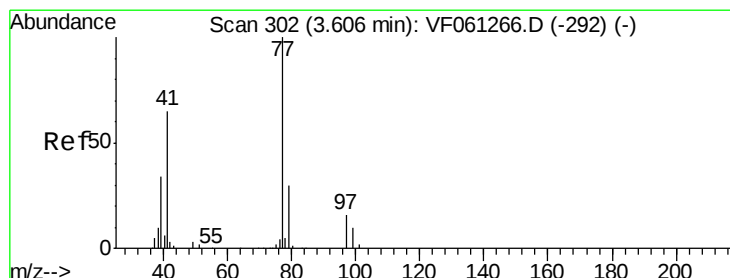
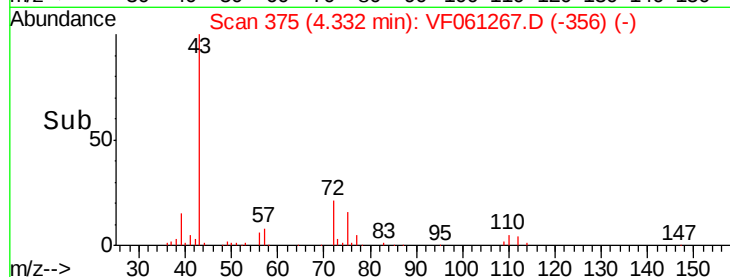
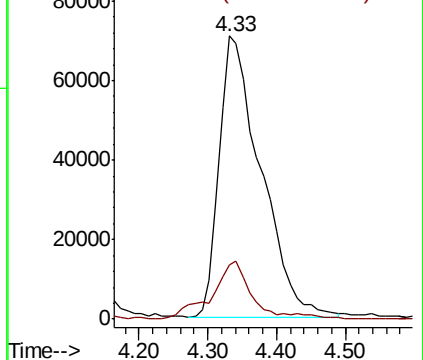
43 100

72 19.0 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 75.090 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF061267.D

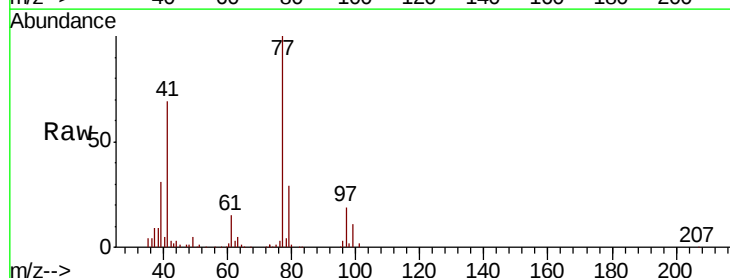
Acq: 3 Jan 2019 16:14

Tgt Ion: 77 Resp: 155975

Ion Ratio Lower Upper

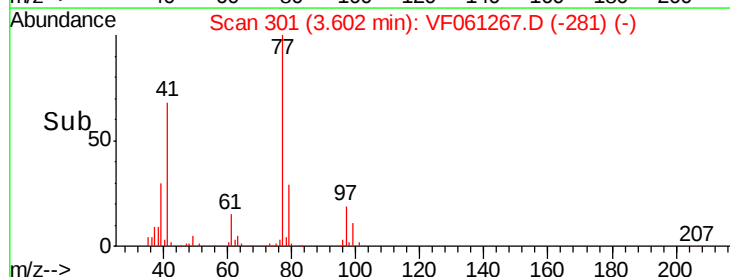
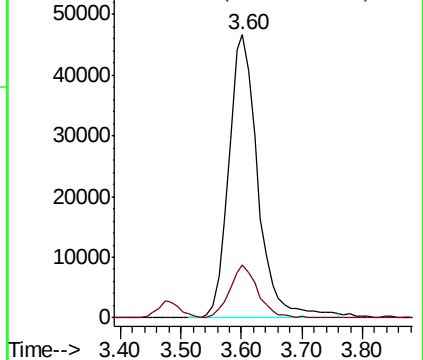
77 100

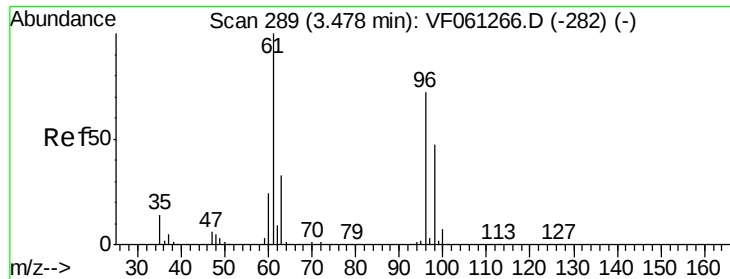
97 18.9 8.9 26.7



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



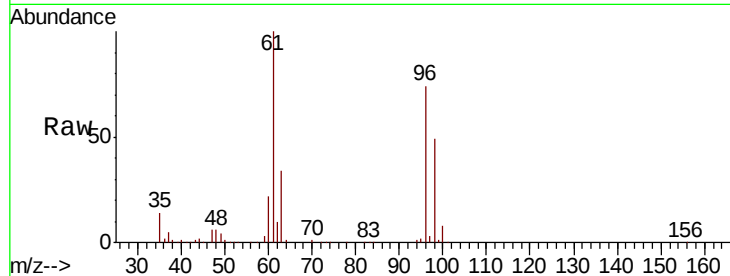


#27

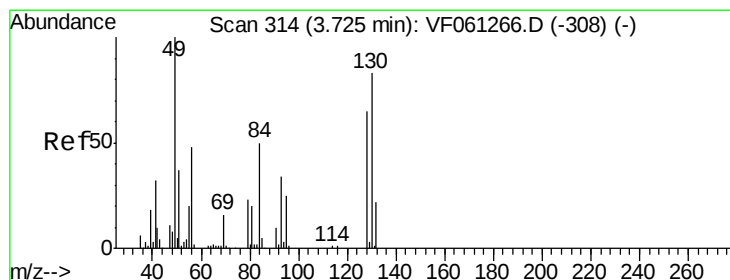
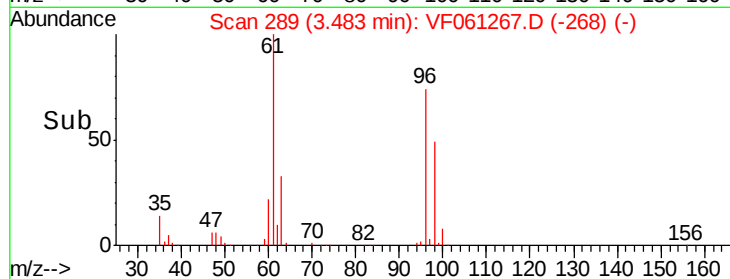
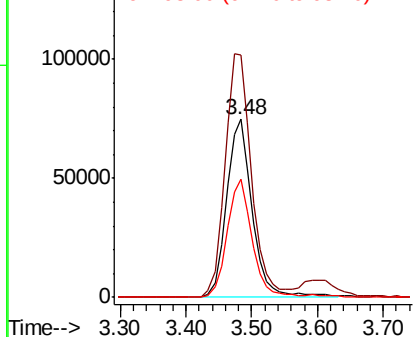
cis-1,2-Dichloroethene
 Concen: 71.740 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	277.8
98	66.5	0.0	130.8



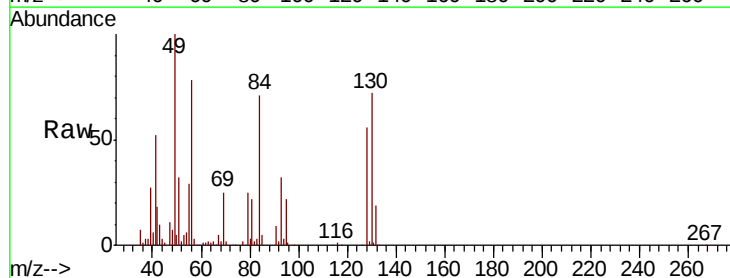
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



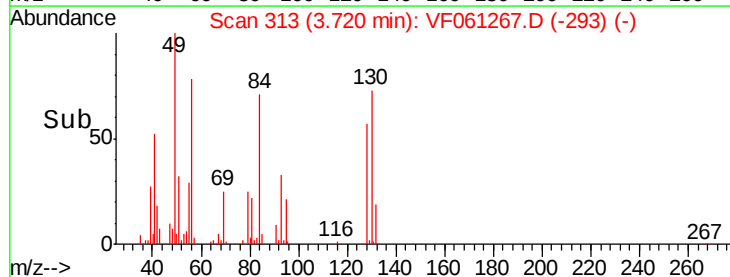
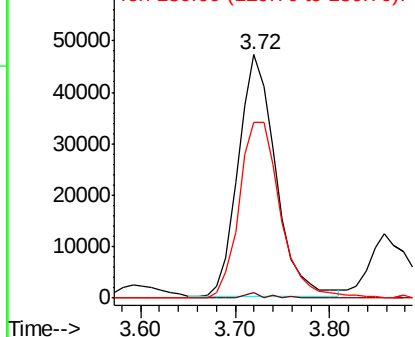
#28

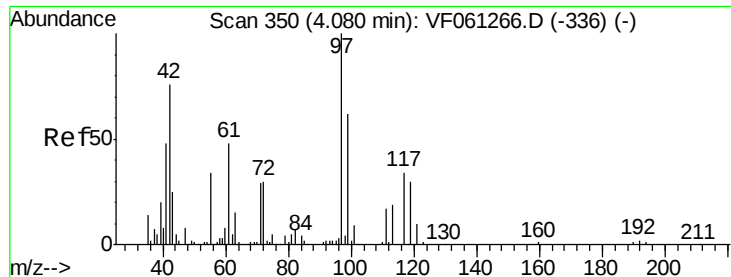
Bromochloromethane
 Concen: 72.252 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.4
130	72.3	65.7	98.5



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: 387.015 ug/l

RT: 4.08 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

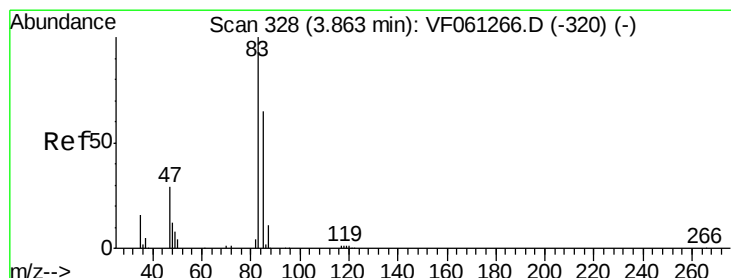
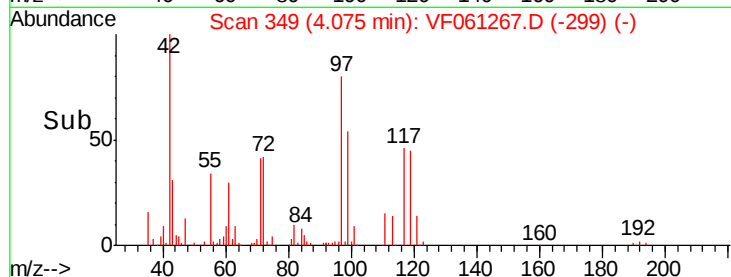
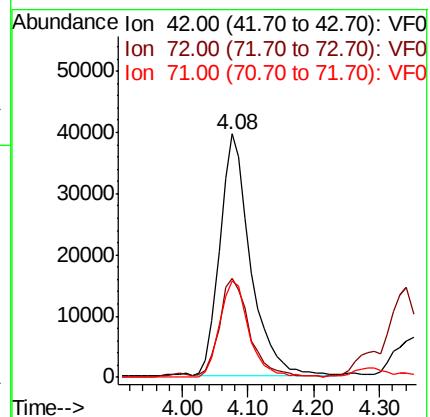
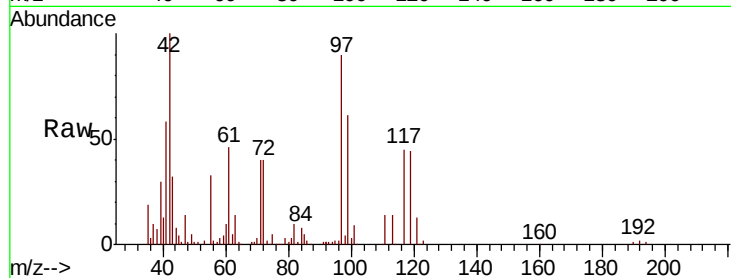
Tgt Ion: 42 Resp: 128438

Ion Ratio Lower Upper

42 100

72 40.5 29.2 43.8

71 38.3 29.1 43.7



#30

Chloroform

Concen: 68.730 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF061267.D

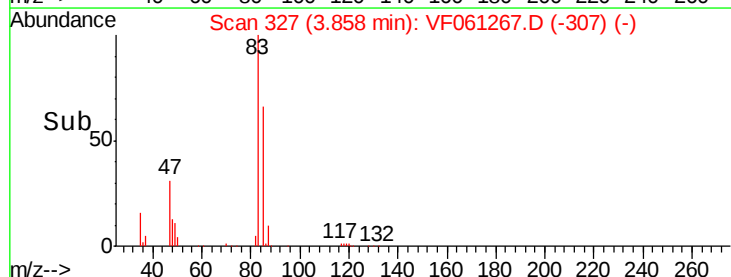
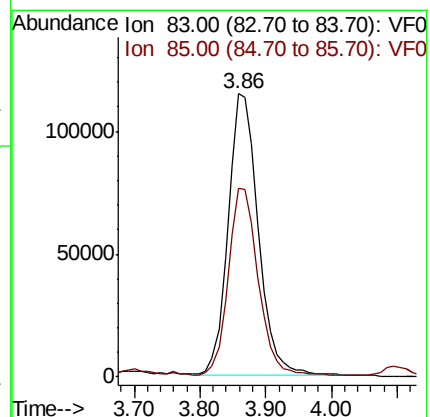
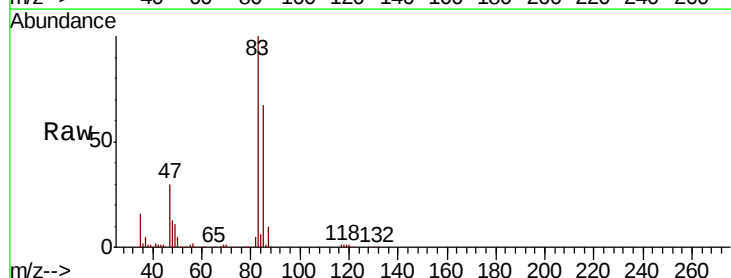
Acq: 3 Jan 2019 16:14

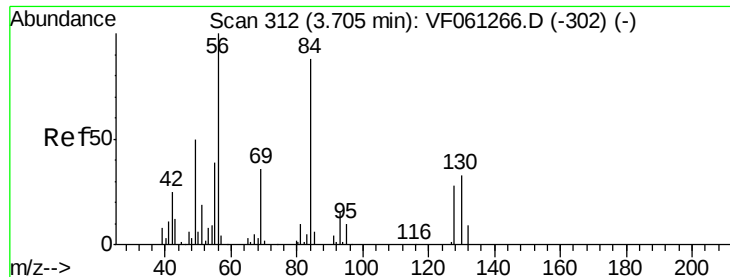
Tgt Ion: 83 Resp: 365692

Ion Ratio Lower Upper

83 100

85 66.8 52.2 78.4

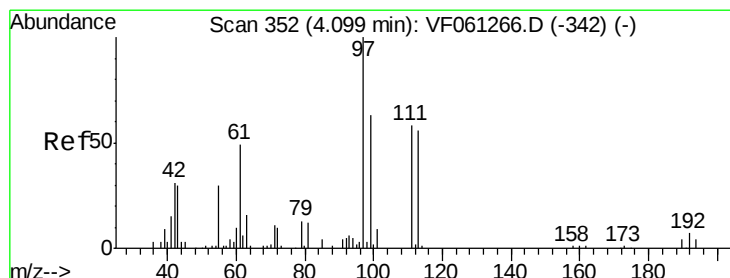
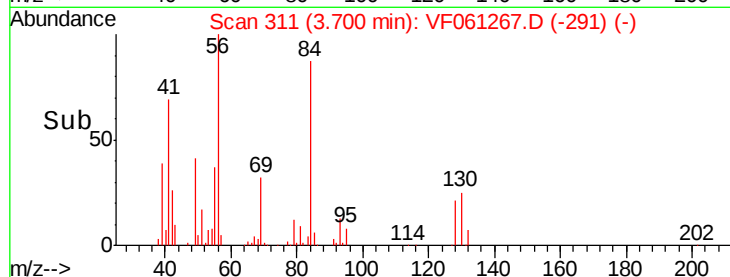
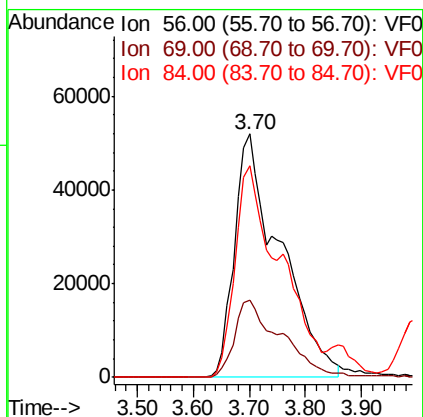
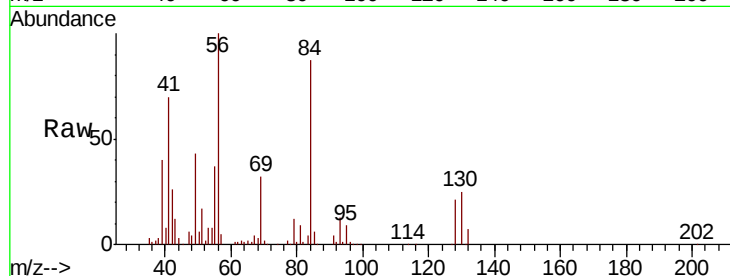




#31
Cyclohexane
Concen: 77.533 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

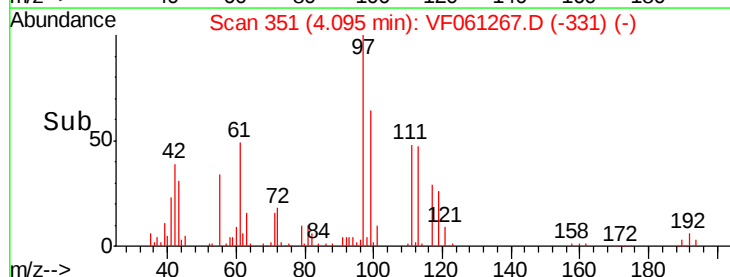
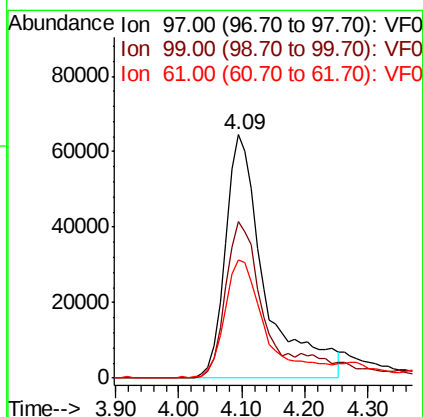
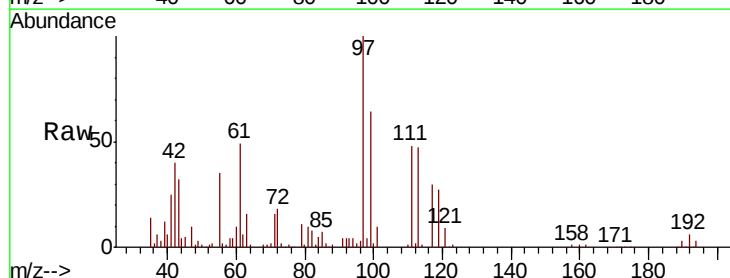
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

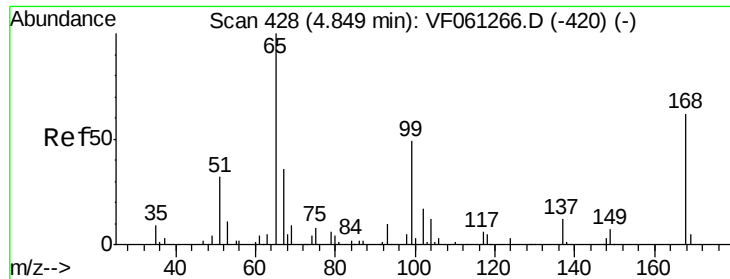
Tgt Ion: 56 Resp: 292007
Ion Ratio Lower Upper
56 100
69 31.8 28.7 43.1
84 87.0 70.6 106.0



#32
1,1,1-Trichloroethane
Concen: 84.713 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion: 97 Resp: 281301
Ion Ratio Lower Upper
97 100
99 64.2 50.6 76.0
61 48.8 39.6 59.4

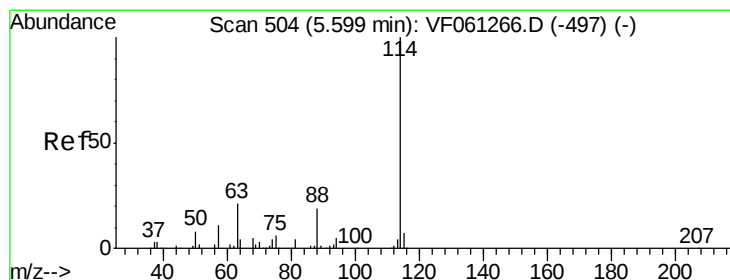
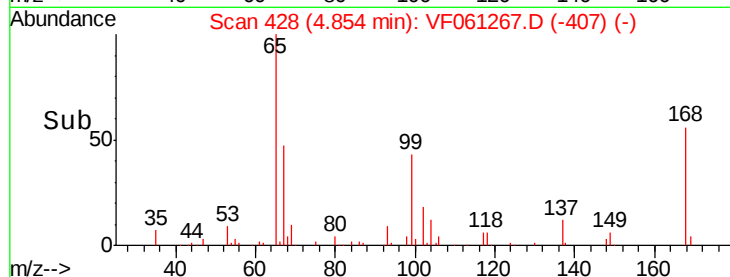
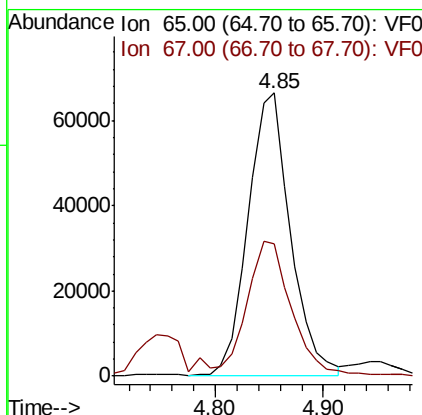
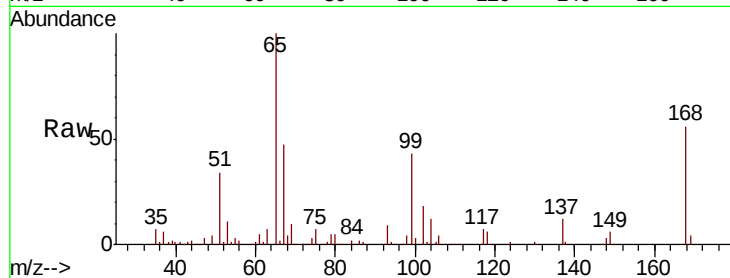




#33
 1,2-Dichloroethane-d4
 Concen: 72.871 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

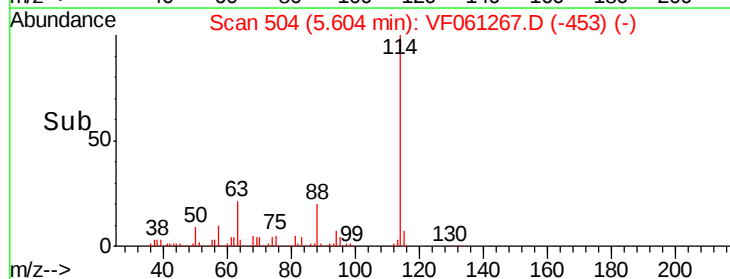
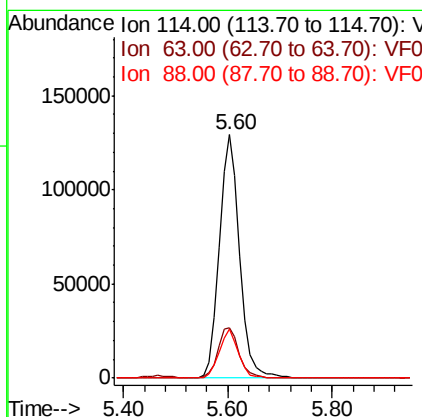
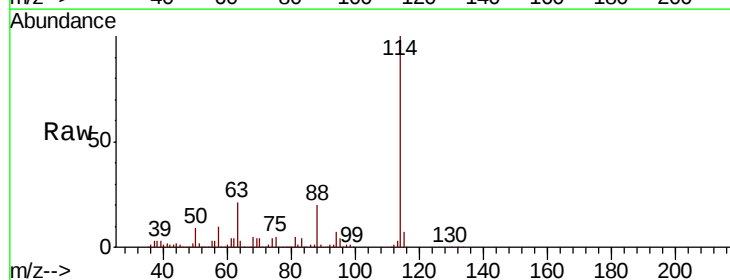
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

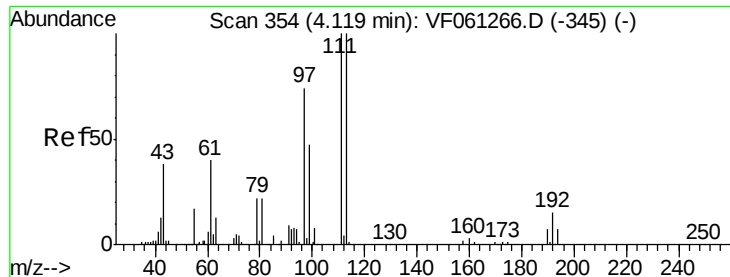
Tgt Ion: 65 Resp: 183004
 Ion Ratio Lower Upper
 65 100
 67 46.8 0.0 90.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion: 114 Resp: 347625
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.8
 88 20.4 0.0 38.4

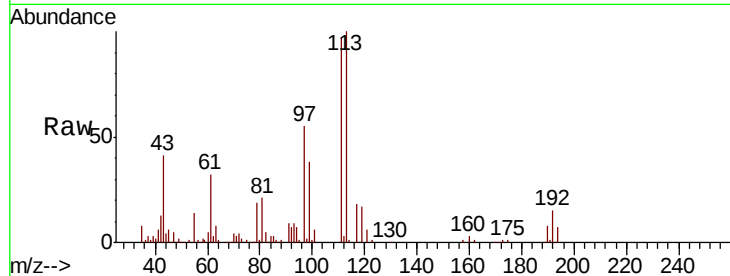




#35
 Dibromofluoromethane
 Concen: 70.302 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
113	100		
111	97.0	79.8	119.6
192	15.2	11.9	17.9

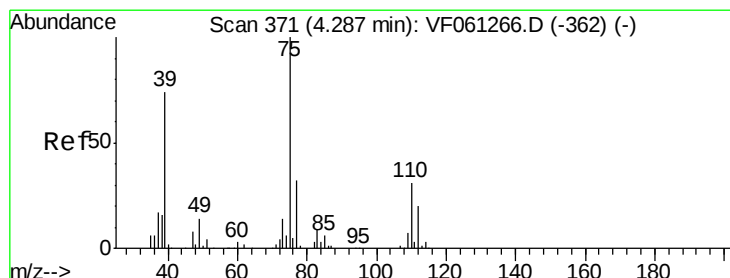
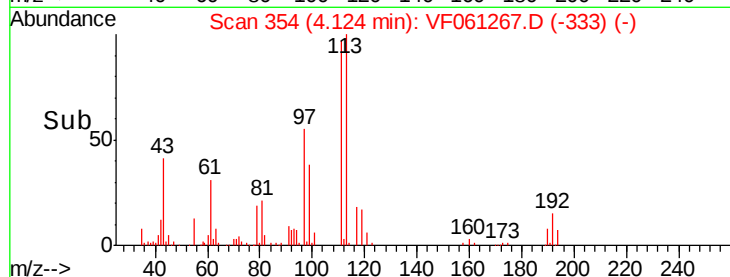
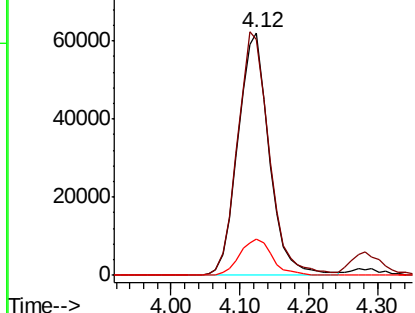


Abundance

Ion 113.00 (112.70 to 113.70): V

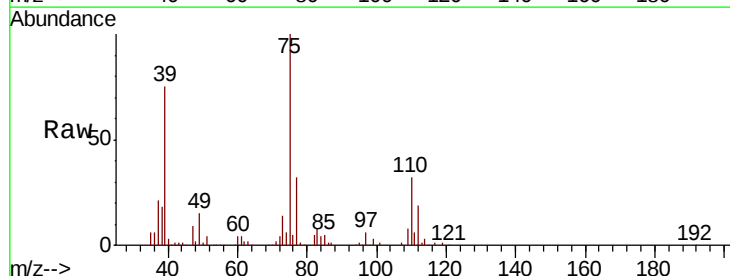
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36
 1,1-Dichloropropene
 Concen: 70.557 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	15.4	46.4
77	31.8	25.6	38.4

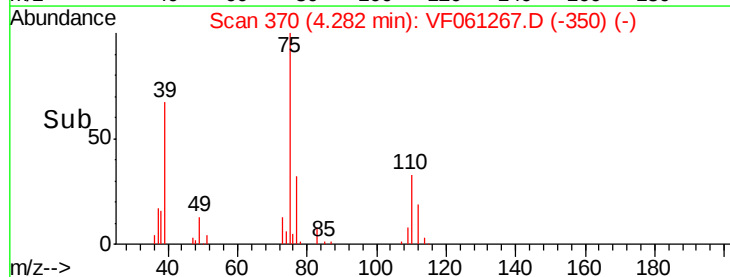
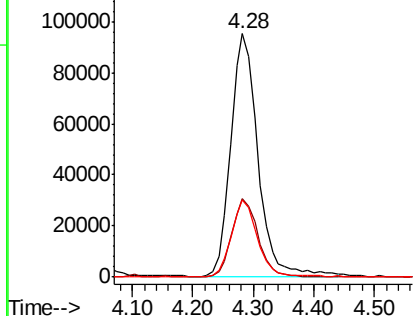


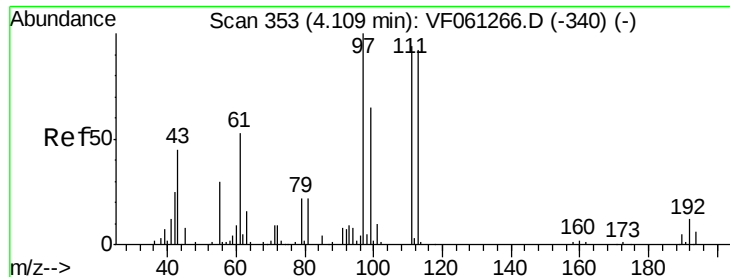
Abundance

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

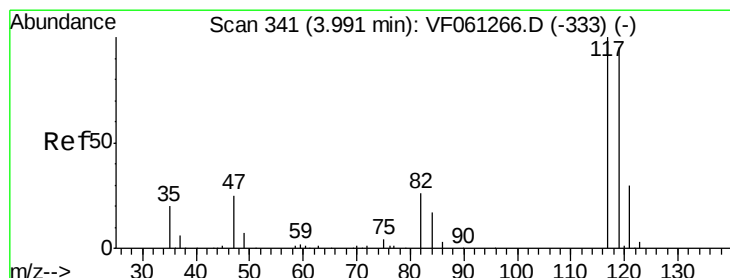
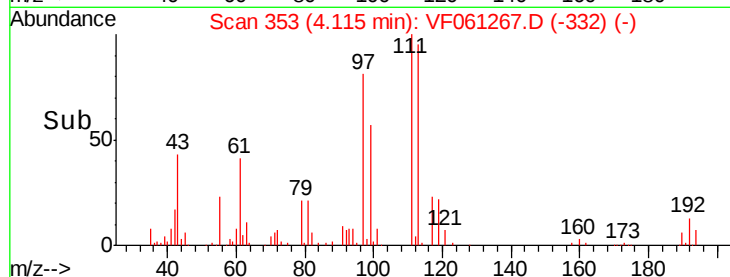
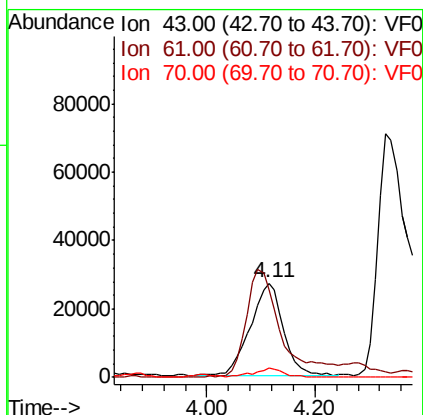
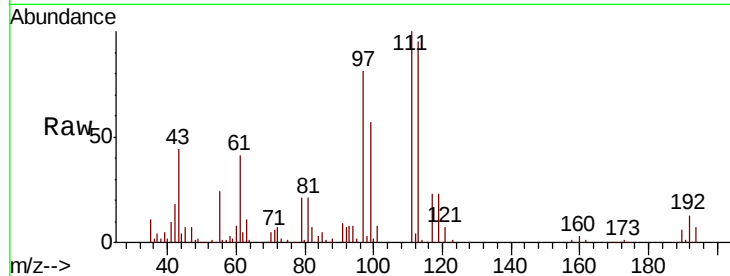




#37
Ethyl Acetate
Concen: 66.769 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

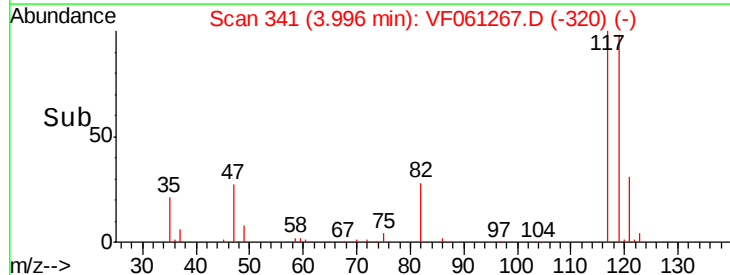
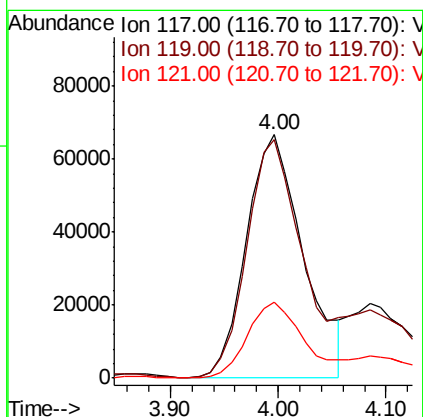
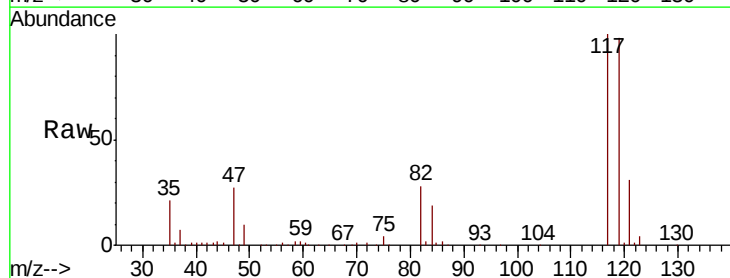
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

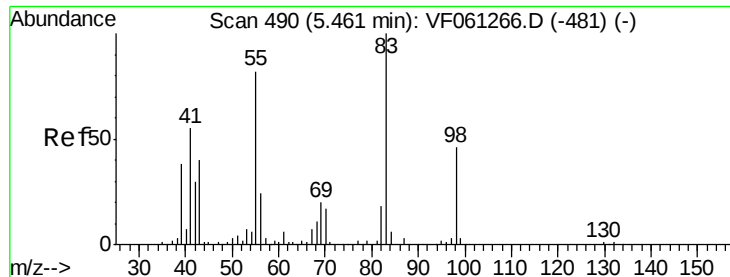
Tgt Ion: 43 Resp: 113345
Ion Ratio Lower Upper
43 100
61 92.7 91.2 136.8
70 10.3 7.1 10.7



#38
Carbon Tetrachloride
Concen: 75.052 ug/l
RT: 4.00 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion: 117 Resp: 243376
Ion Ratio Lower Upper
117 100
119 98.0 76.0 114.0
121 31.3 23.8 35.8

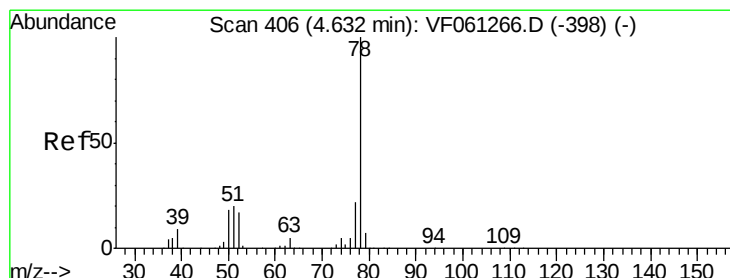
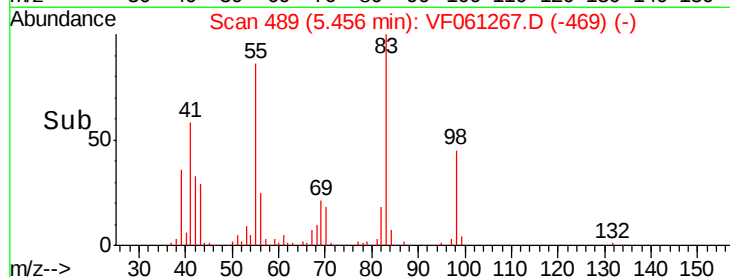
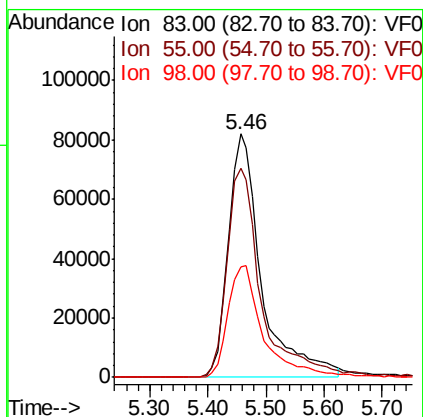
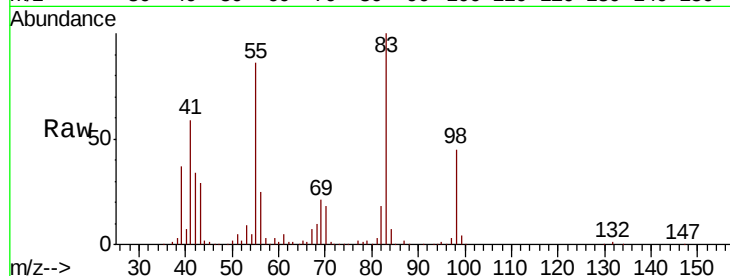




#39
Methylcyclohexane
Concen: 84.522 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

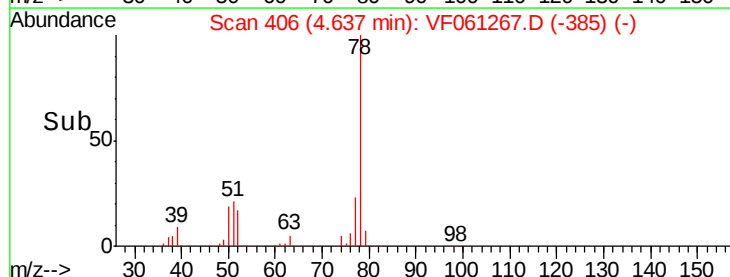
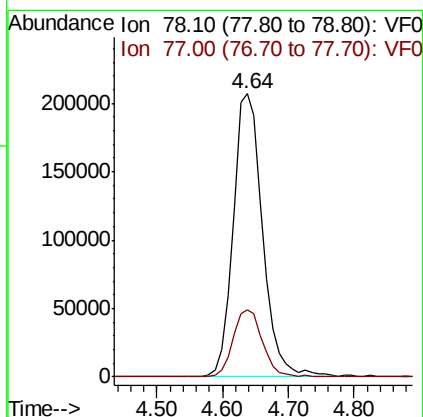
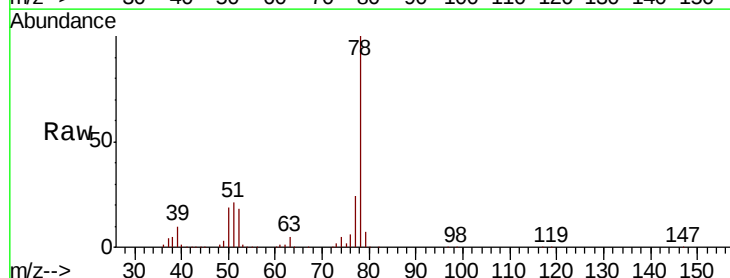
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

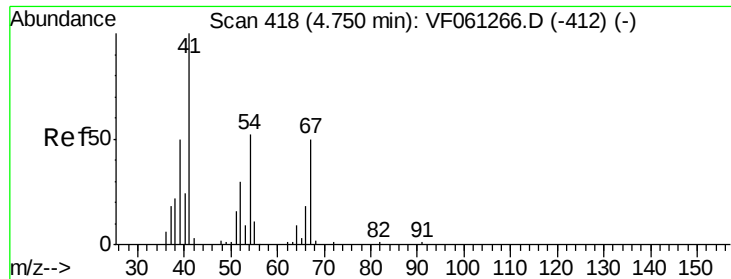
Tgt Ion: 83 Resp: 326501
Ion Ratio Lower Upper
83 100
55 85.6 65.6 98.4
98 45.5 36.7 55.1



#40
Benzene
Concen: 71.147 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion: 78 Resp: 647649
Ion Ratio Lower Upper
78 100
77 23.5 18.0 27.0

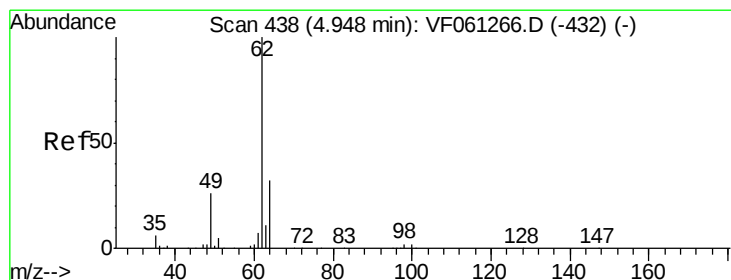
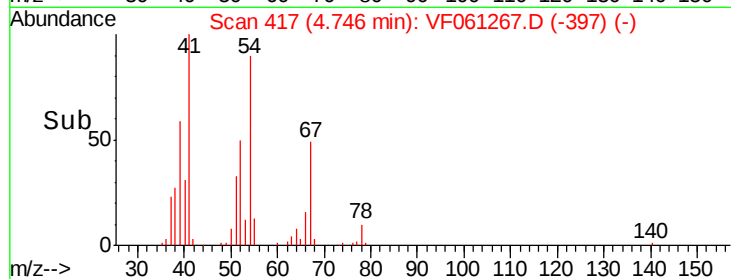
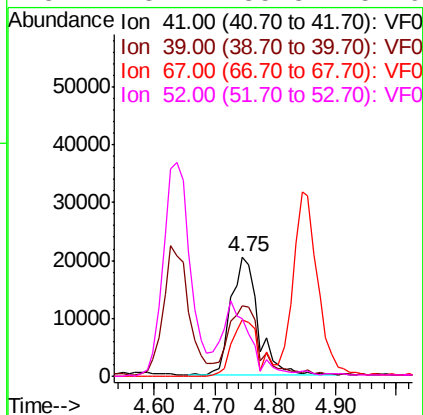
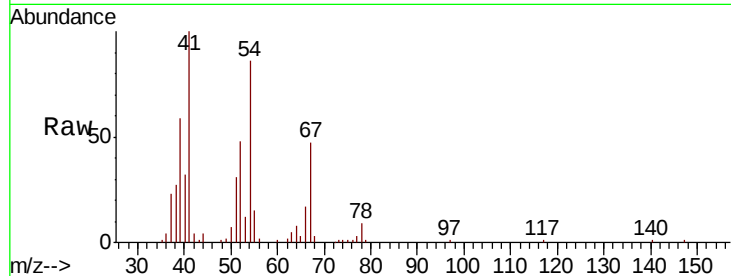




#41
Methacrylonitrile
Concen: 74.331 ug/l
RT: 4.75 min Scan# 417
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

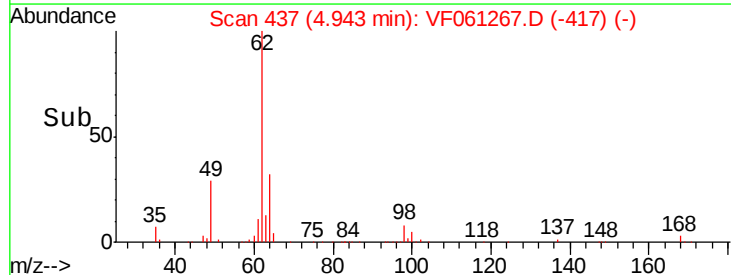
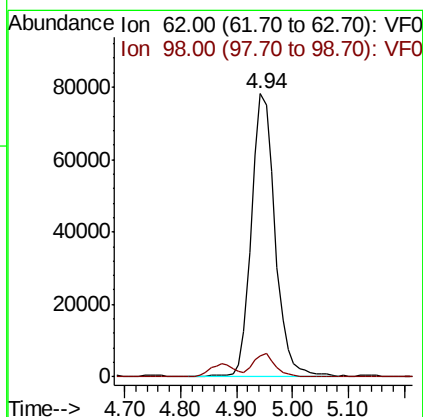
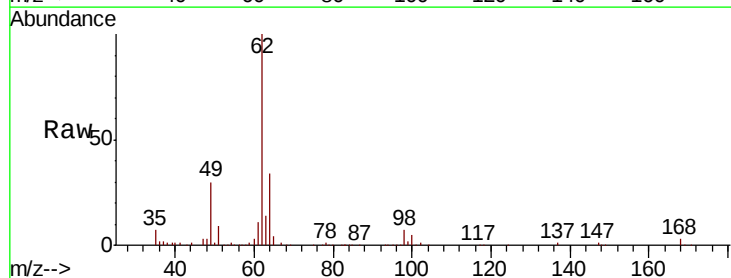
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

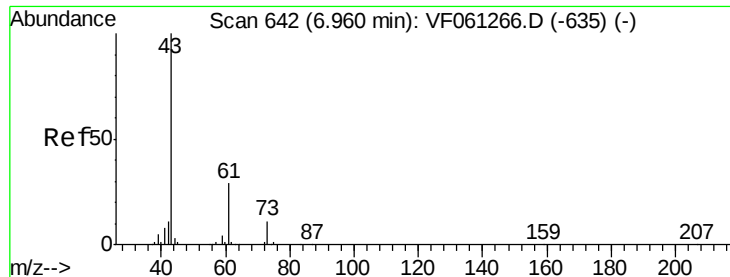
Tgt Ion:	41	Resp:	64664
Ion	Ratio	Lower	Upper
41	100		
39	59.1	44.6	66.8
67	47.2	39.3	58.9
52	48.2	35.3	52.9



#42
1,2-Dichloroethane
Concen: 69.114 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion:	62	Resp:	231228
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	13.4



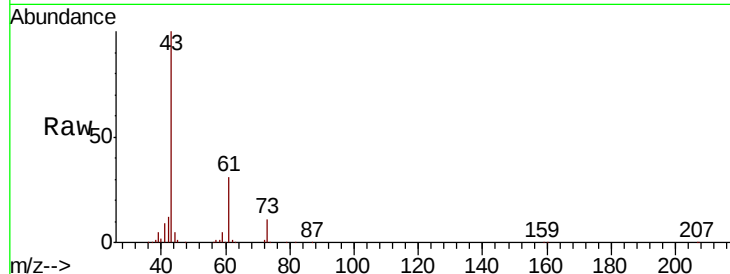


#43

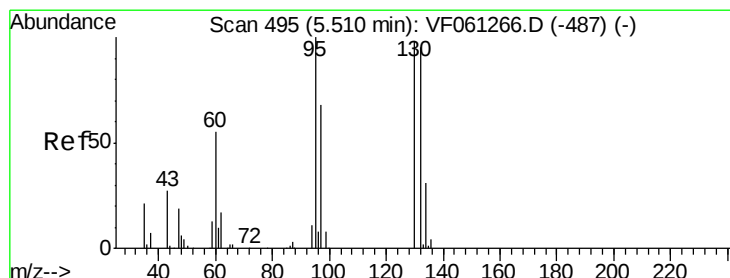
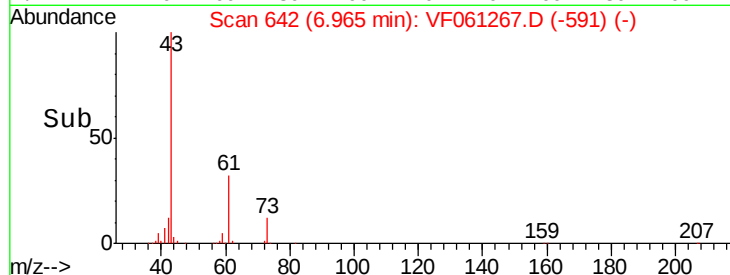
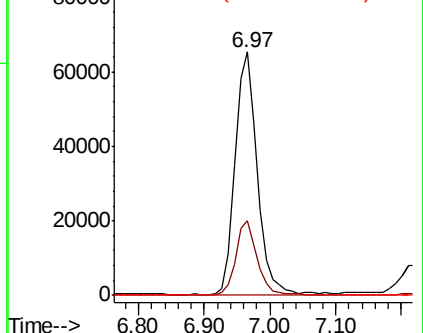
Isopropyl Acetate
 Concen: 76.723 ug/l
 RT: 6.97 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion: 43 Resp: 155506
 Ion Ratio Lower Upper
 43 100
 61 30.8 23.4 35.2
 87 0.3 0.3 0.5#



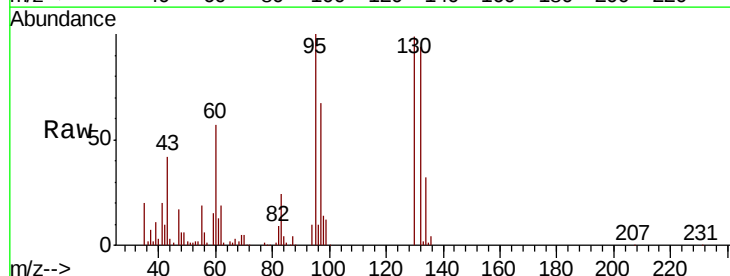
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



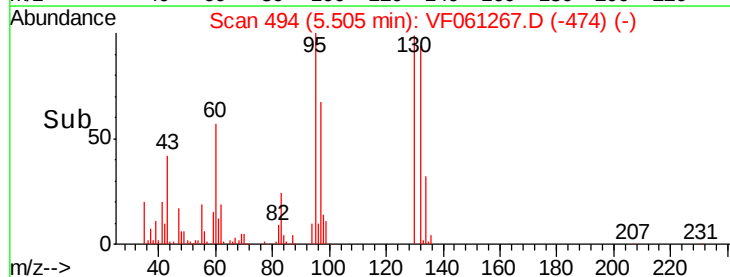
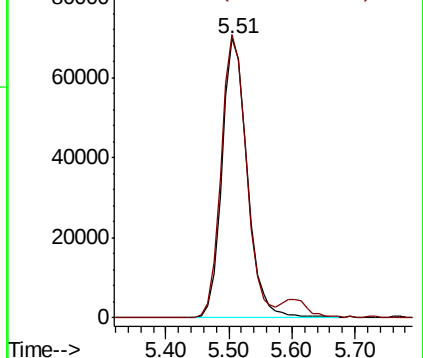
#44

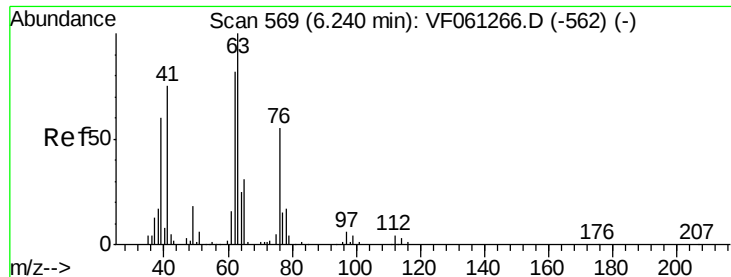
Trichloroethene
 Concen: 69.068 ug/l
 RT: 5.51 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion: 130 Resp: 195287
 Ion Ratio Lower Upper
 130 100
 95 101.3 0.0 204.0



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





#45

1,2-Dichloropropane

Concen: 73.767 ug/l

RT: 6.24 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

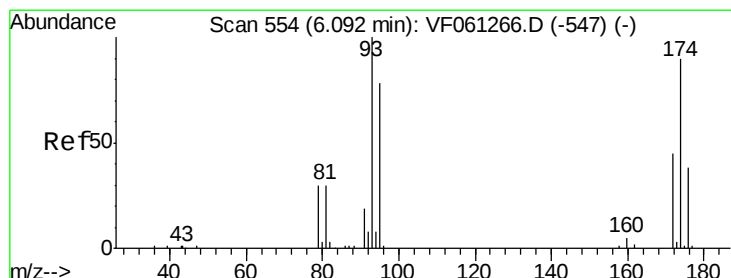
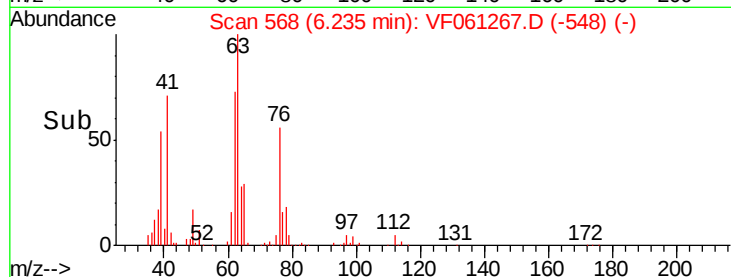
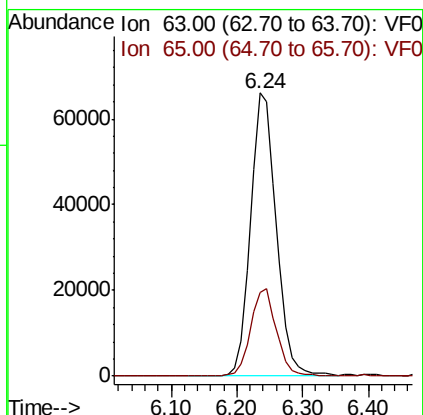
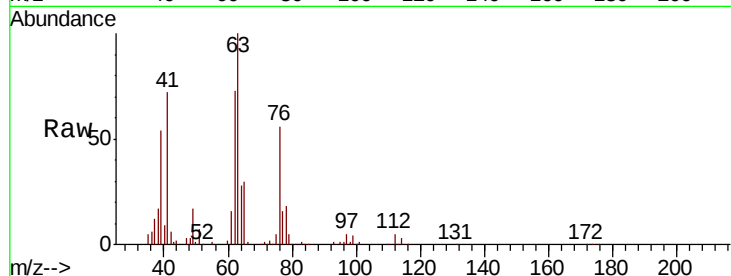
VSTDIC075

Tgt Ion: 63 Resp: 181600

Ion Ratio Lower Upper

63 100

65 29.7 24.4 36.6



#46

Dibromomethane

Concen: 73.566 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

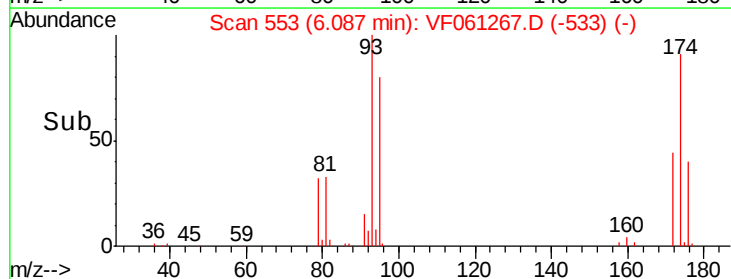
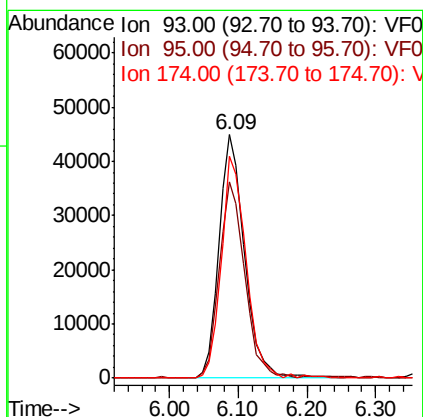
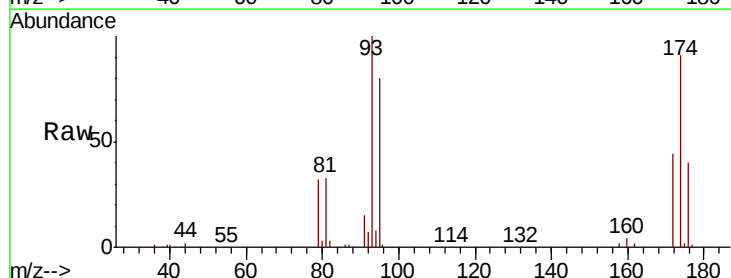
Tgt Ion: 93 Resp: 115687

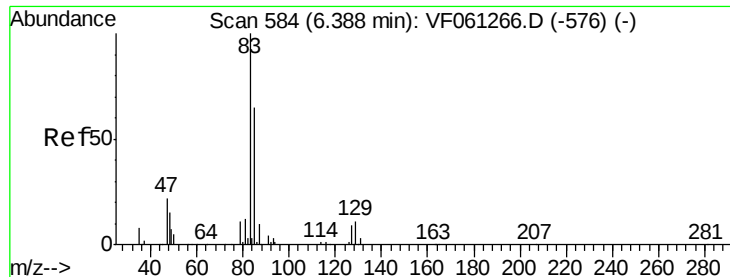
Ion Ratio Lower Upper

93 100

95 80.4 62.4 93.6

174 91.3 71.9 107.9





#47

Bromodichloromethane

Concen: 72.679 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

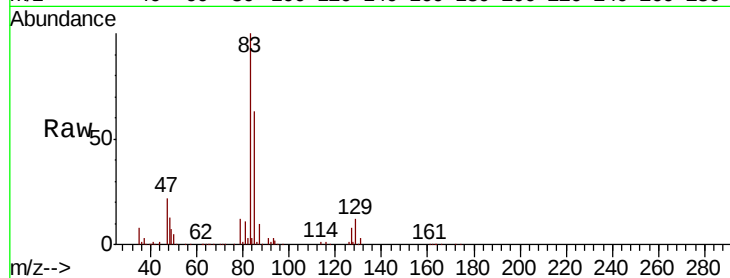
Tgt Ion: 83 Resp: 295839

Ion Ratio Lower Upper

83 100

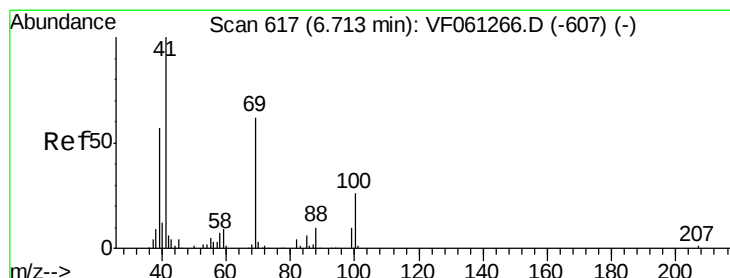
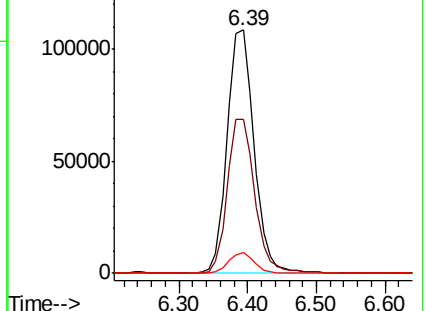
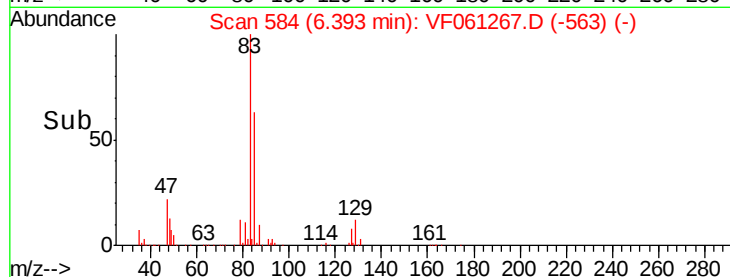
85 63.1 52.1 78.1

127 8.5 7.1 10.7



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

6.39



#48

Methyl methacrylate

Concen: 74.506 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

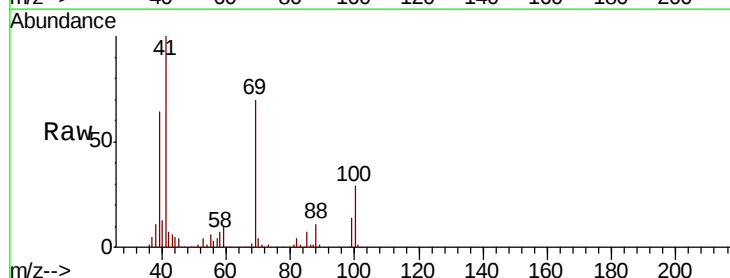
Tgt Ion: 41 Resp: 105365

Ion Ratio Lower Upper

41 100

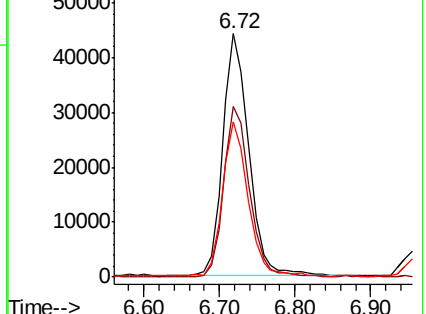
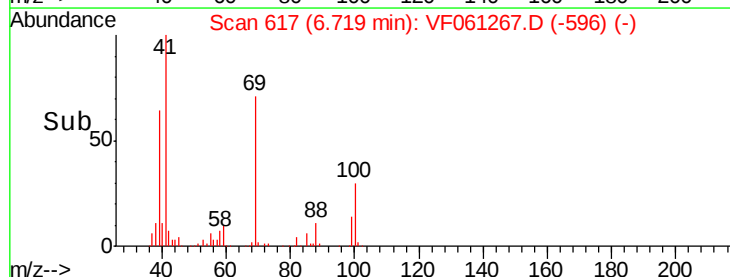
69 69.9 49.8 74.8

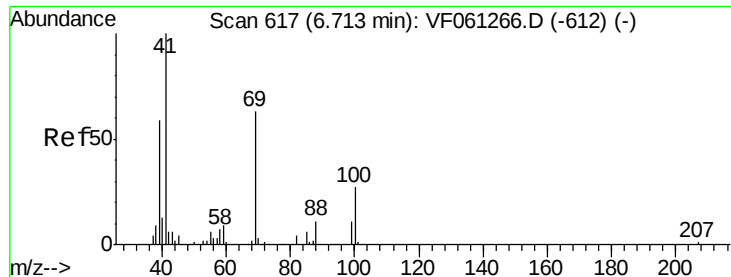
39 63.8 46.4 69.6



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

6.72

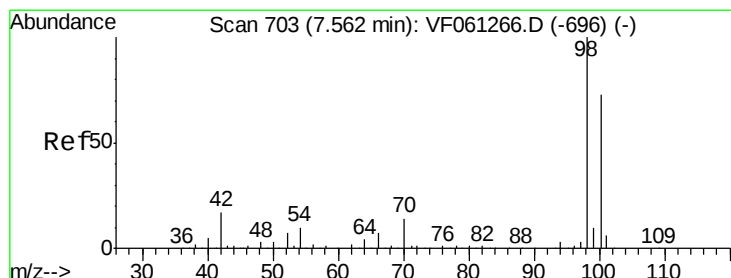
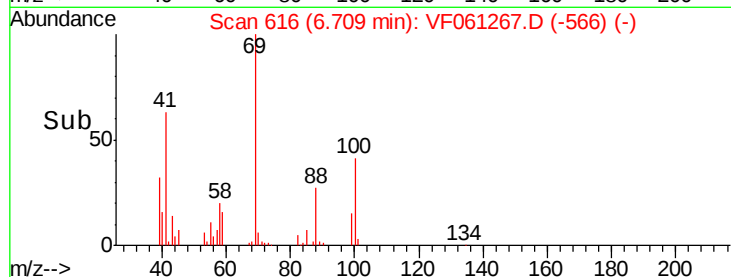
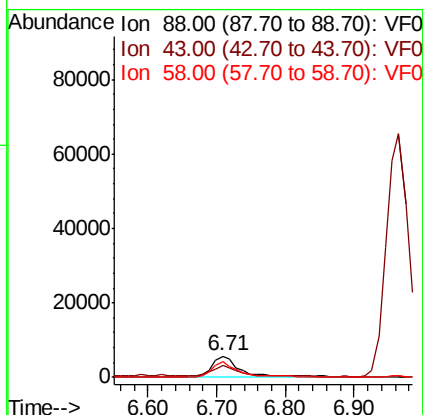
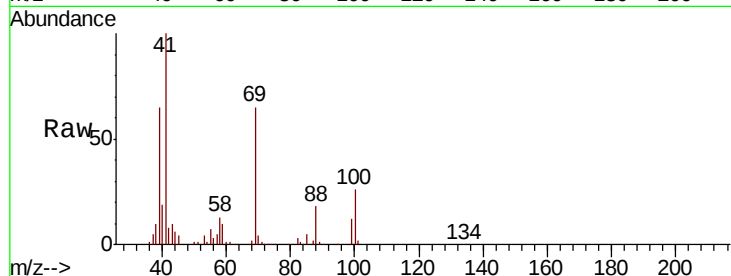




#49
1,4-Dioxane
Concen: 1637.120 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

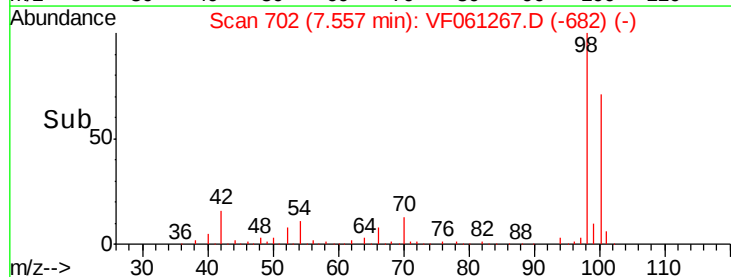
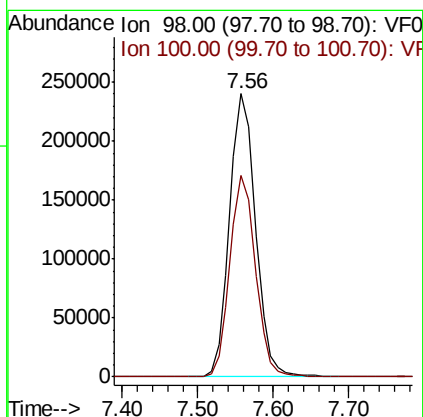
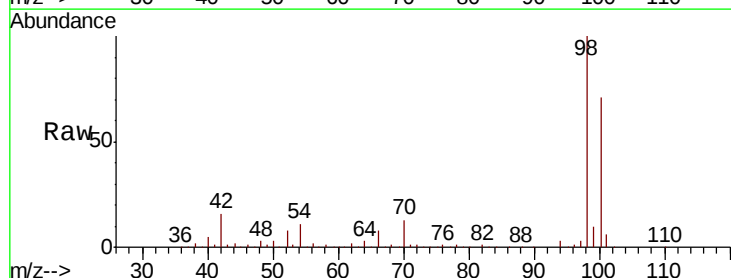
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

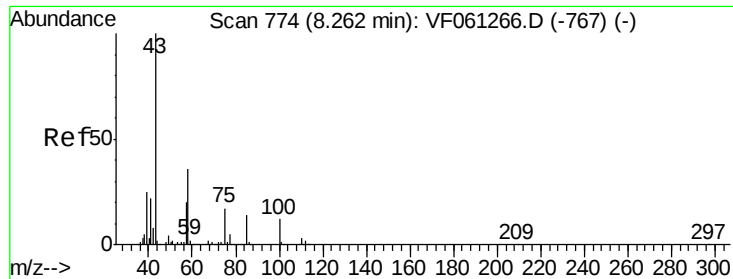
Tgt Ion: 88 Resp: 16505
Ion Ratio Lower Upper
88 100
43 55.4 55.2 82.8
58 71.4 50.9 76.3



#50
Toluene-d8
Concen: 72.200 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion: 98 Resp: 571581
Ion Ratio Lower Upper
98 100
100 71.2 58.1 87.1

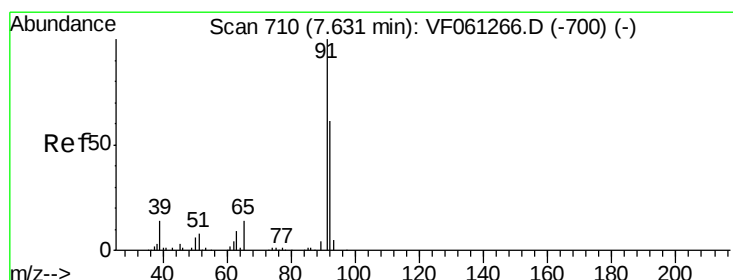
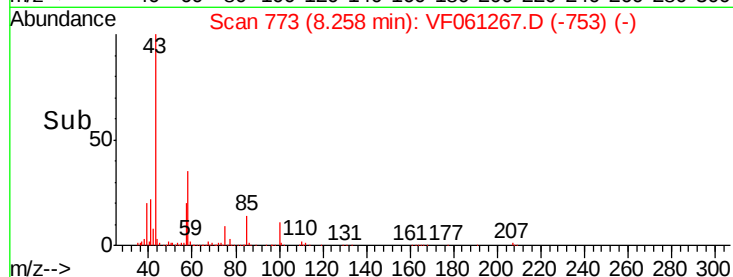
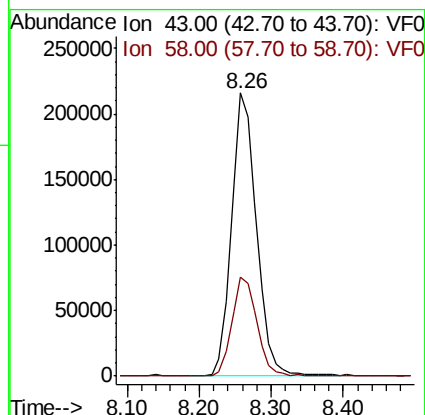
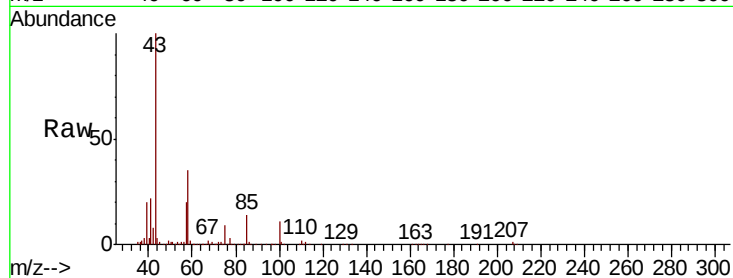




#51
 4-Methyl-2-Pentanone
 Concen: 374.722 ug/l
 RT: 8.26 min Scan# 773
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

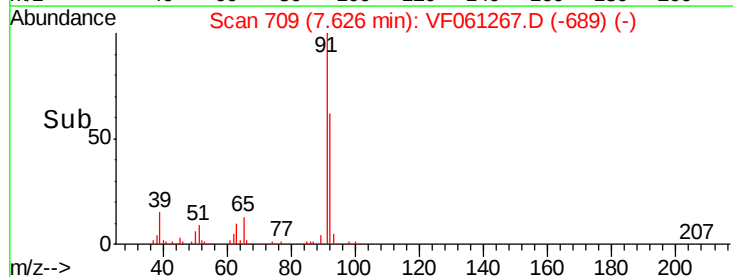
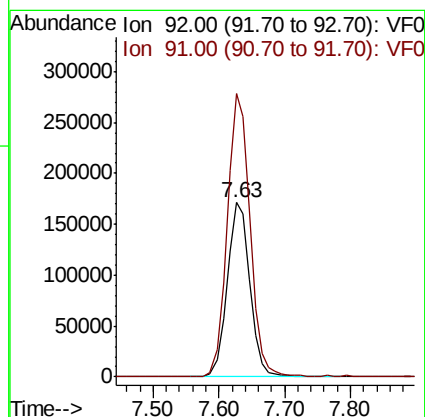
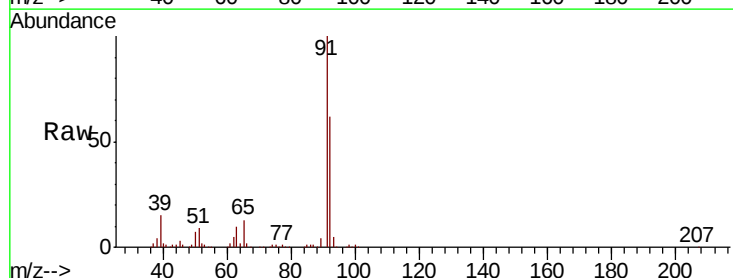
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

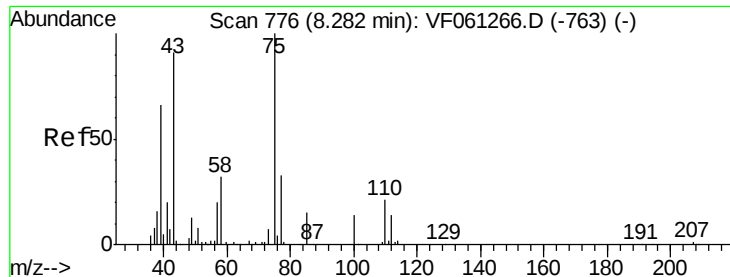
Tgt Ion: 43 Resp: 519395
 Ion Ratio Lower Upper
 43 100
 58 35.1 29.1 43.7



#52
 Toluene
 Concen: 68.864 ug/l
 RT: 7.63 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion: 92 Resp: 414360
 Ion Ratio Lower Upper
 92 100
 91 162.3 130.5 195.7





#53

t-1,3-Dichloropropene

Concen: 68.417 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

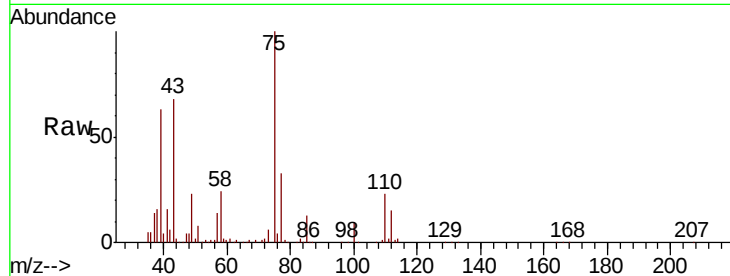
VSTDIC075

Tgt Ion: 75 Resp: 226968

Ion Ratio Lower Upper

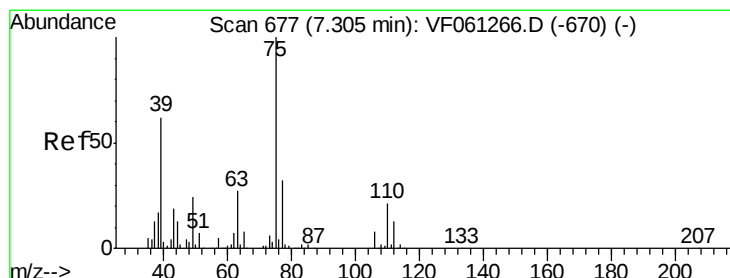
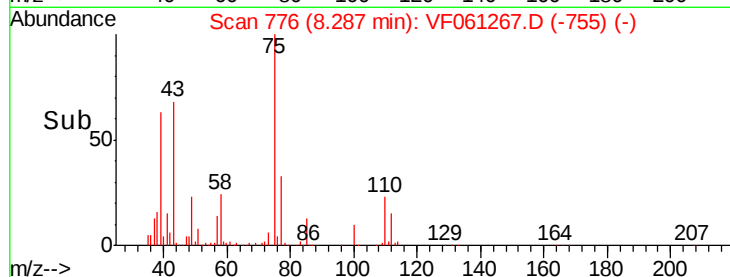
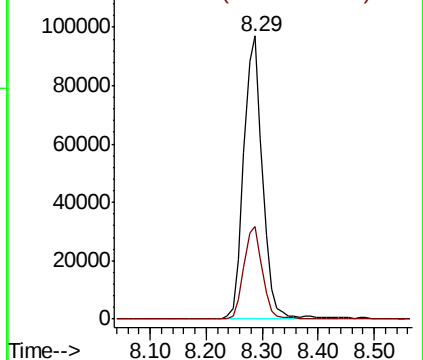
75 100

77 32.8 26.8 40.2



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: 71.471 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

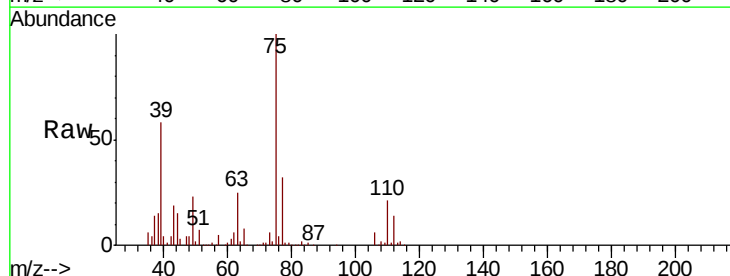
Tgt Ion: 75 Resp: 298083

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

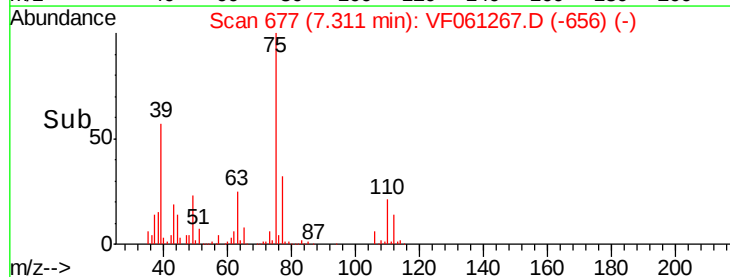
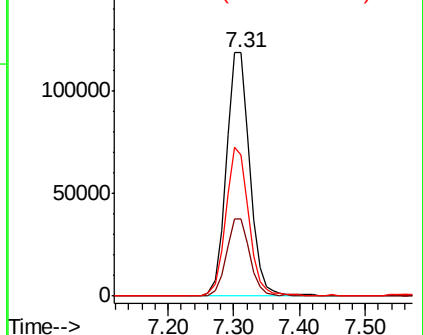
39 57.9 49.5 74.3

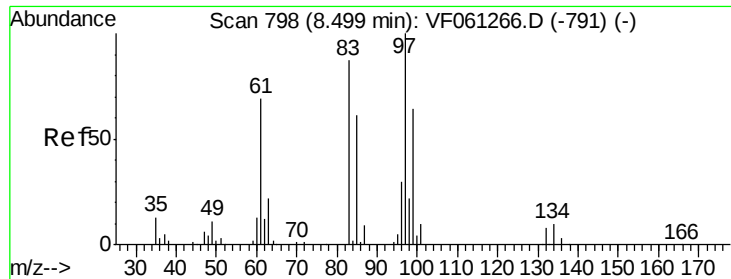


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 71.723 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 128219

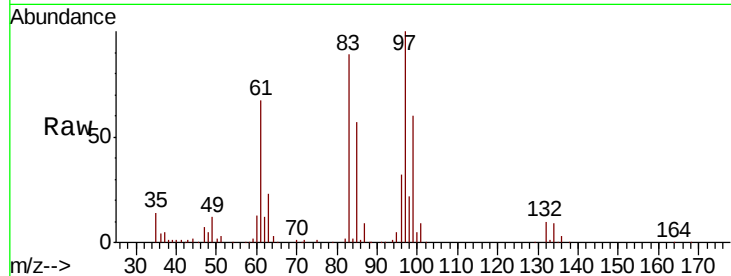
Ion Ratio Lower Upper

97 100

83 89.4 69.7 104.5

85 57.5 49.1 73.7

99 59.9 51.3 76.9

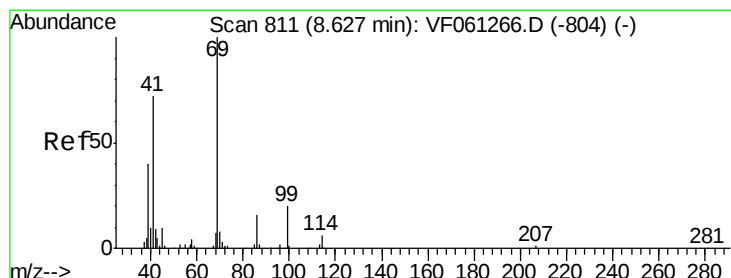
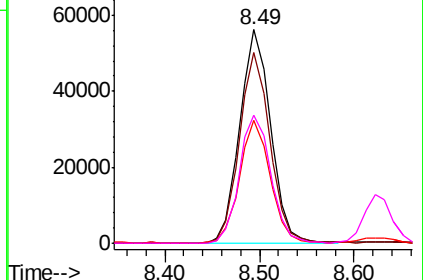
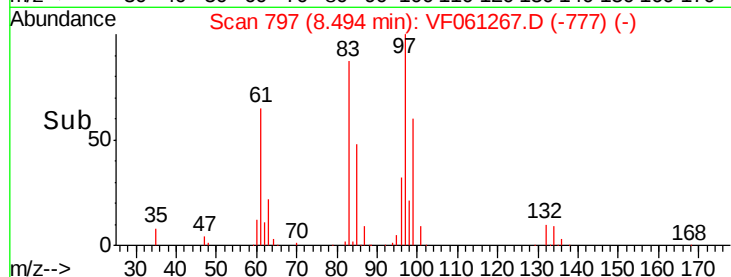


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 69.584 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

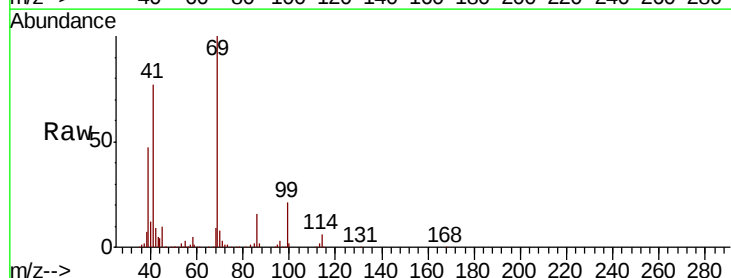
Tgt Ion: 69 Resp: 134342

Ion Ratio Lower Upper

69 100

41 76.9 58.1 87.1

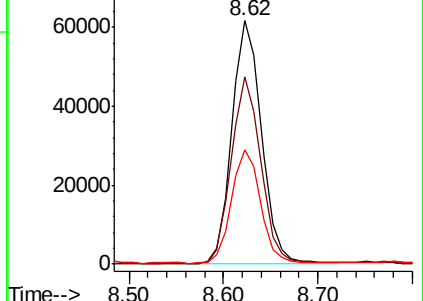
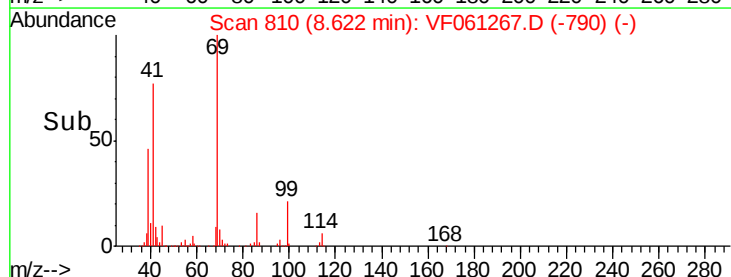
39 46.8 32.6 49.0

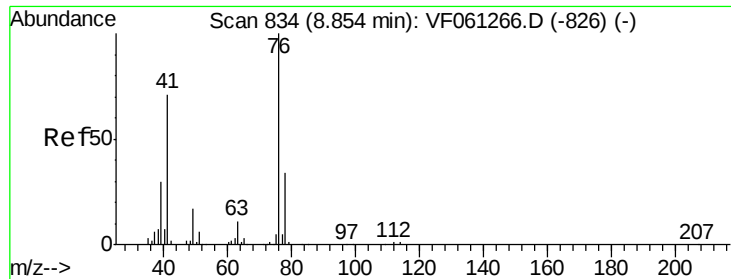


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 72.882 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

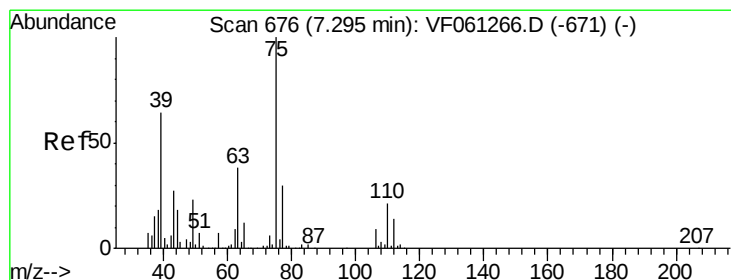
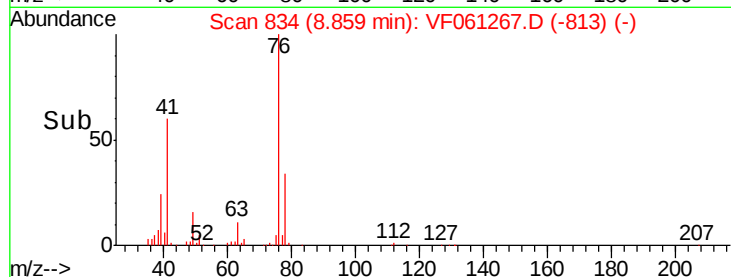
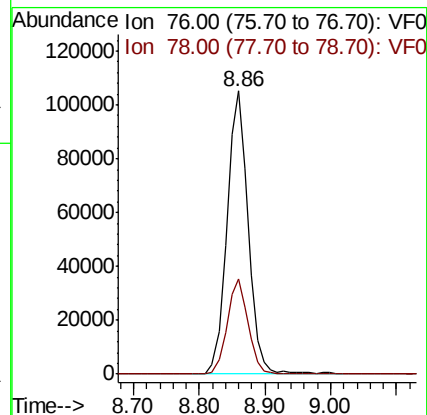
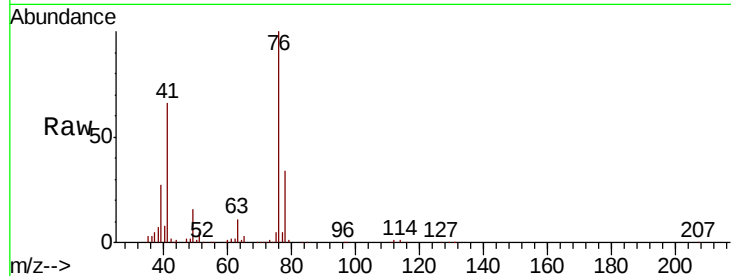
VSTDIC075

Tgt Ion: 76 Resp: 236211

Ion Ratio Lower Upper

76 100

78 33.5 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 258.928 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061267.D

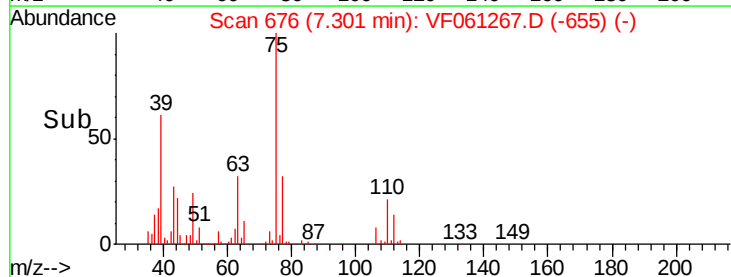
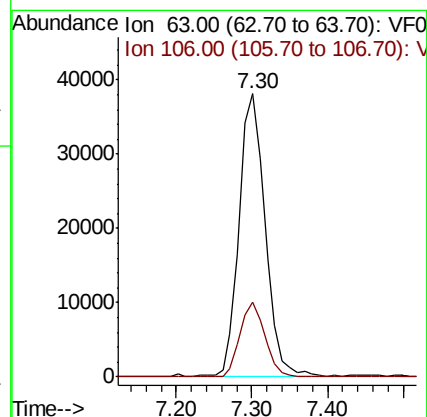
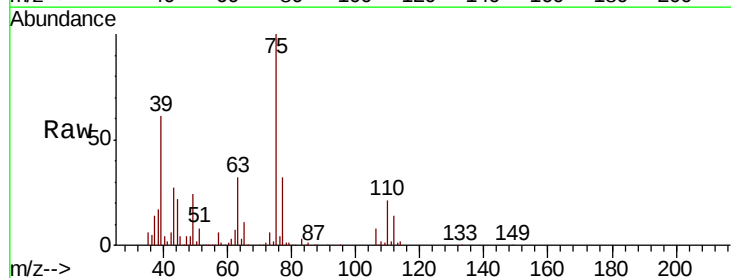
Acq: 3 Jan 2019 16:14

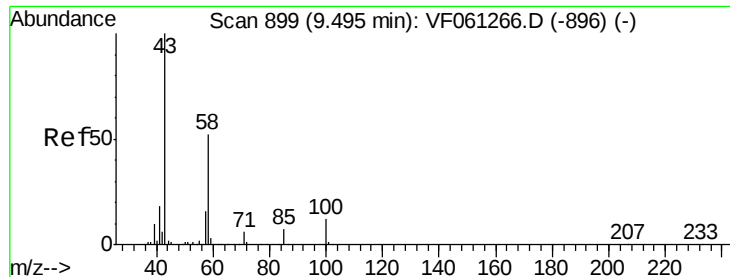
Tgt Ion: 63 Resp: 91128

Ion Ratio Lower Upper

63 100

106 26.4 19.2 28.8

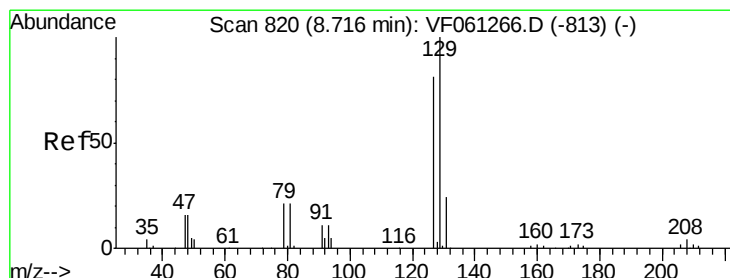
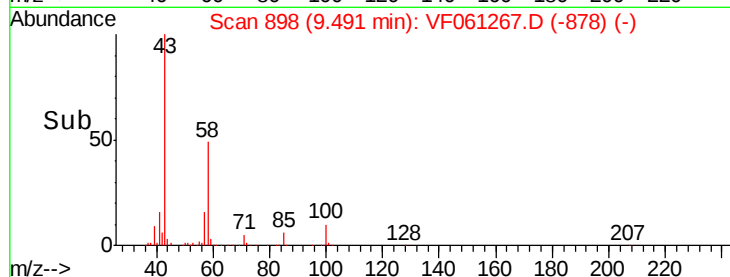
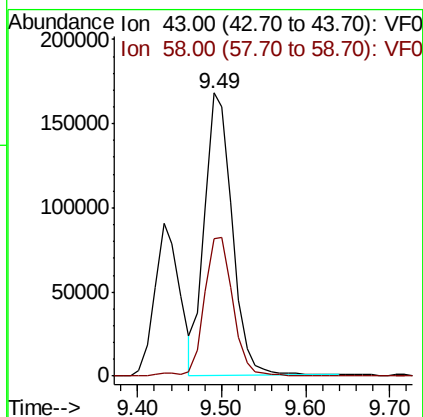
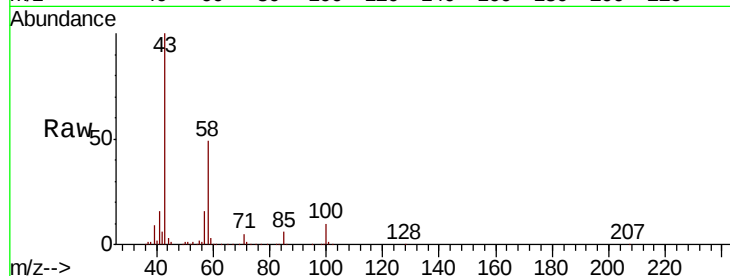




#59
2-Hexanone
Concen: 382.209 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

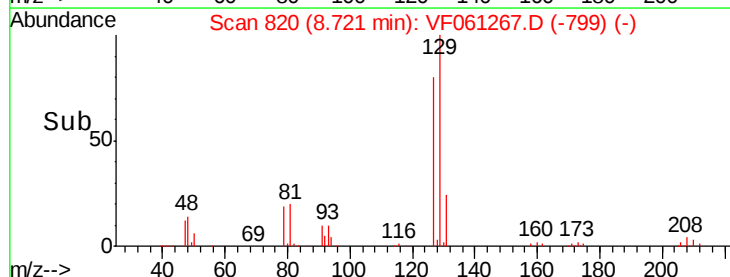
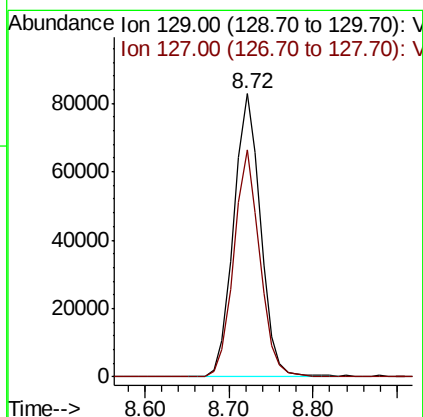
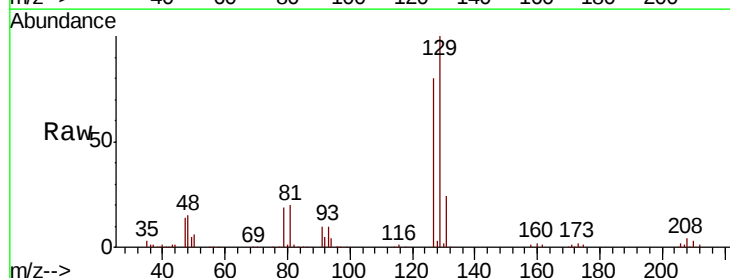
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

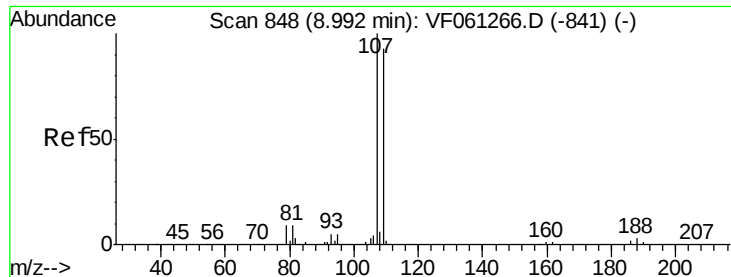
Tgt Ion: 43 Resp: 380846
Ion Ratio Lower Upper
43 100
58 48.7 24.4 73.4



#60
Dibromochloromethane
Concen: 73.219 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion: 129 Resp: 184765
Ion Ratio Lower Upper
129 100
127 80.2 40.7 122.1





#61

1,2-Dibromoethane

Concen: 71.071 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

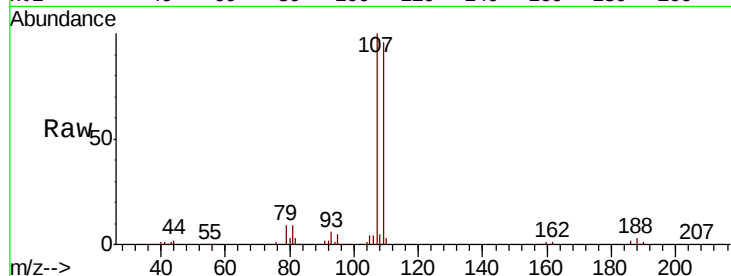
VSTDIC075

Tgt Ion: 107 Resp: 135134

Ion Ratio Lower Upper

107 100

109 96.4 74.2 111.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

40000

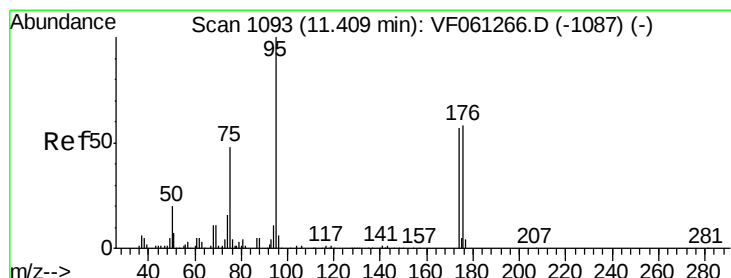
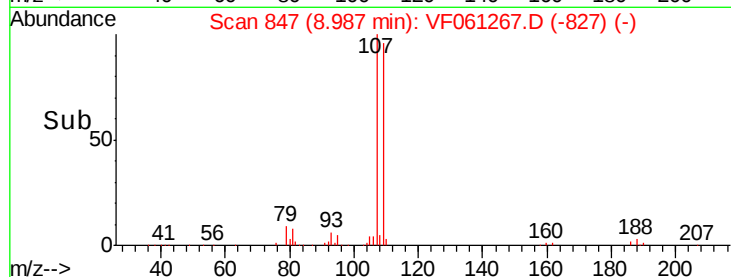
20000

0

8.99

8.90 9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 67.918 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

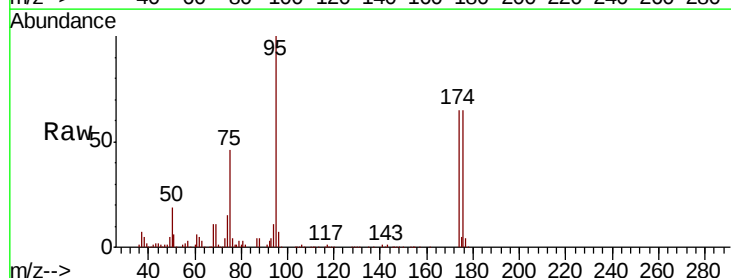
Tgt Ion: 95 Resp: 246527

Ion Ratio Lower Upper

95 100

174 65.1 0.0 113.2

176 64.8 0.0 115.6



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

200000

150000

100000

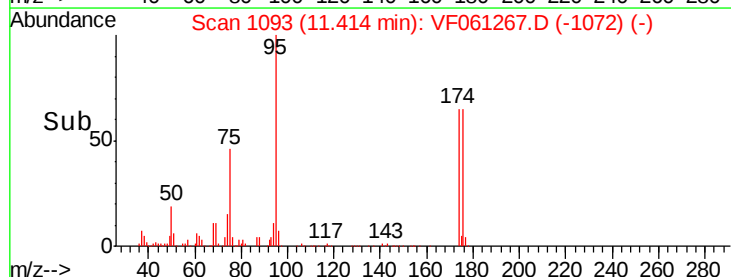
50000

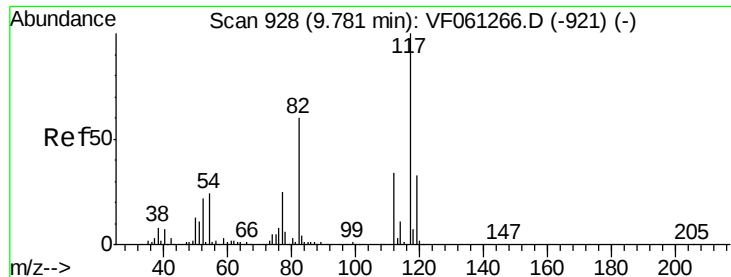
0

11.41

11.30 11.40 11.50 11.60

Time-->

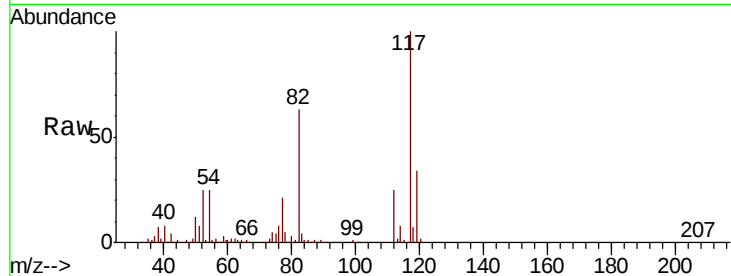




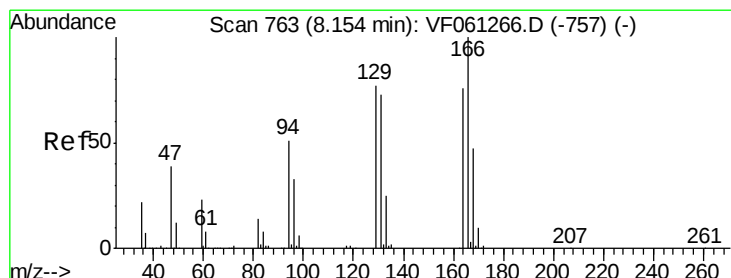
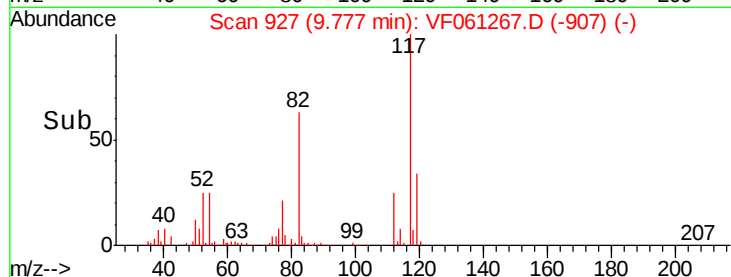
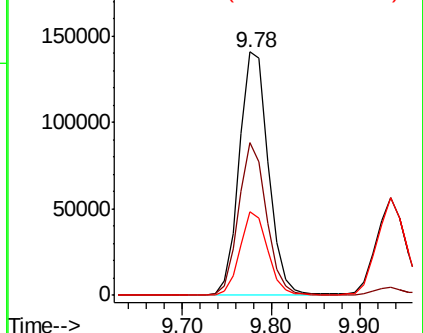
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 320350
Ion Ratio Lower Upper
117 100
82 62.5 47.8 71.6
119 34.3 26.1 39.1

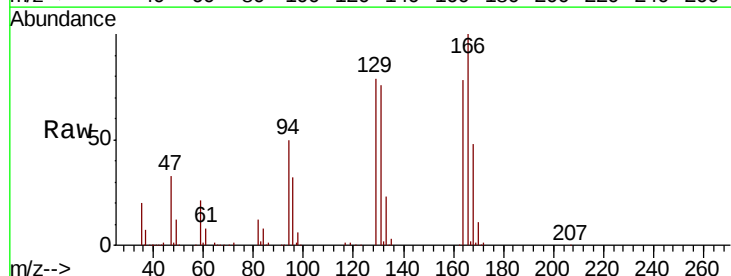


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

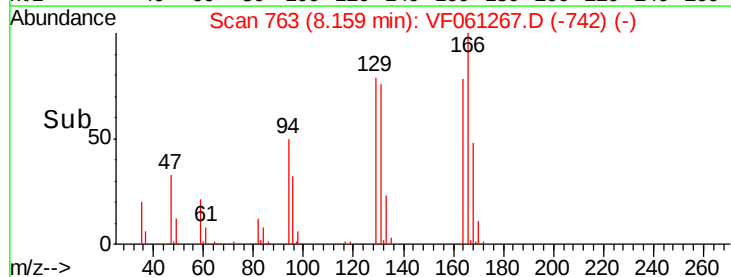
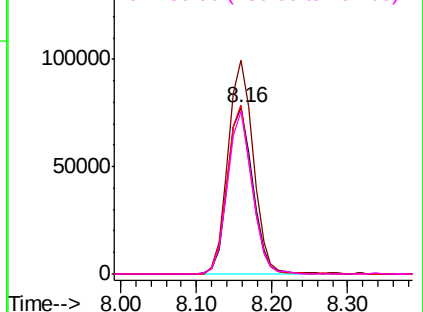


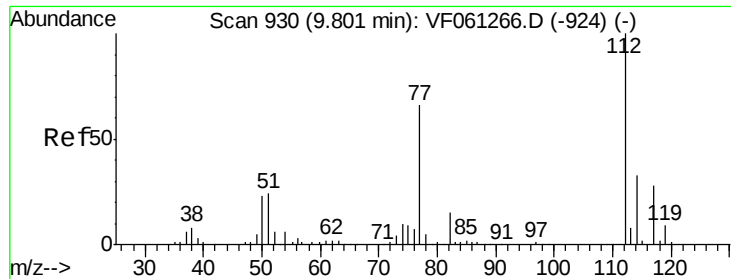
#64
Tetrachloroethene
Concen: 71.946 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion:164 Resp: 179060
Ion Ratio Lower Upper
164 100
166 128.8 105.1 157.7
129 101.9 81.0 121.6
131 97.8 77.1 115.7



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





#65

Chlorobenzene

Concen: 69.445 ug/l

RT: 9.81 min Scan# 930

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

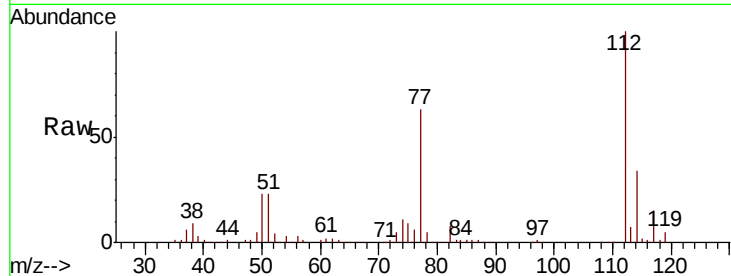
VSTDIC075

Tgt Ion:112 Resp: 464865

Ion Ratio Lower Upper

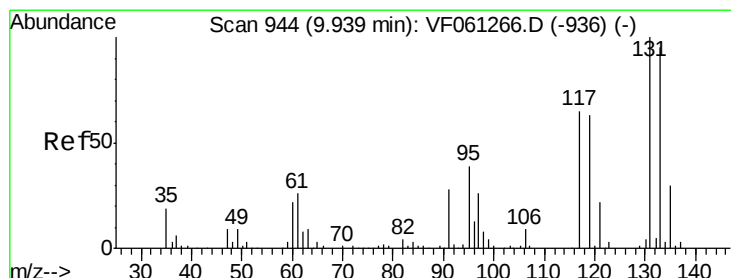
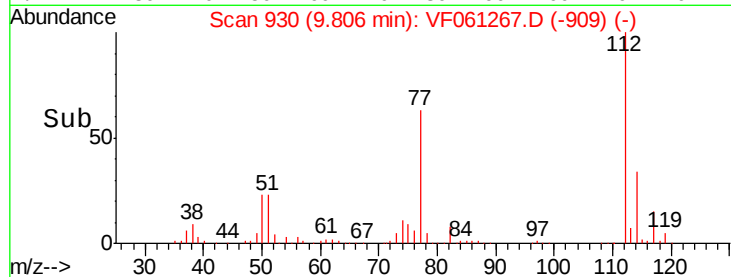
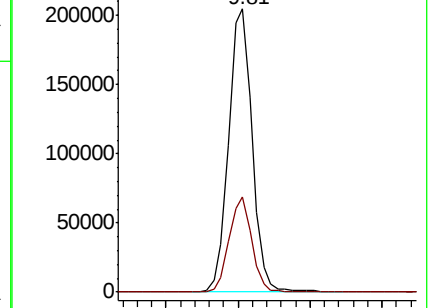
112 100

114 33.7 26.4 39.6



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: 69.735 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

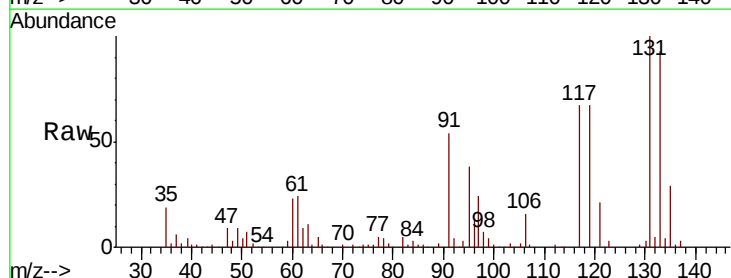
Tgt Ion:131 Resp: 190835

Ion Ratio Lower Upper

131 100

133 93.2 47.5 142.5

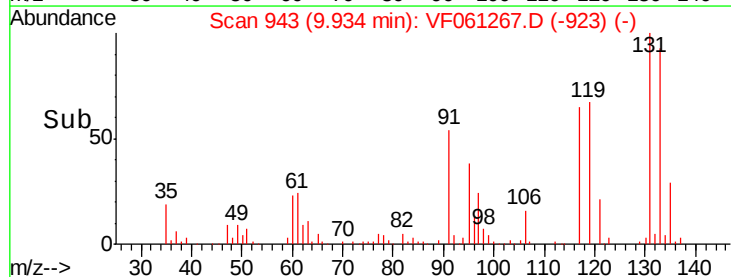
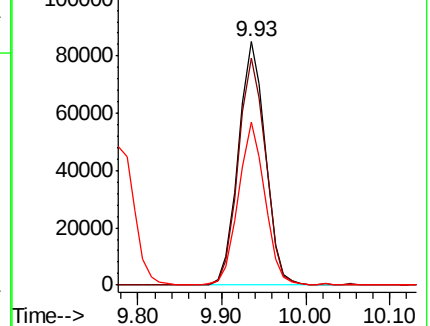
119 66.9 32.2 96.6

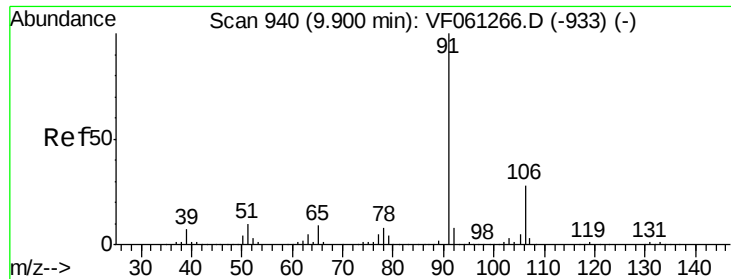


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

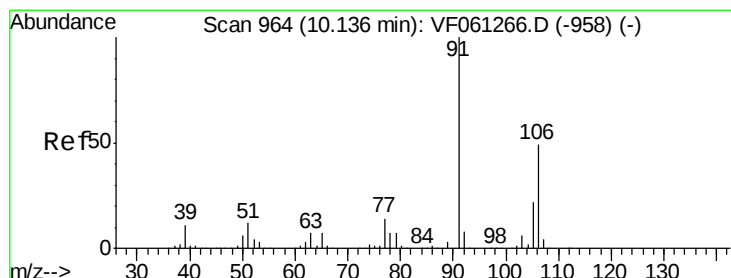
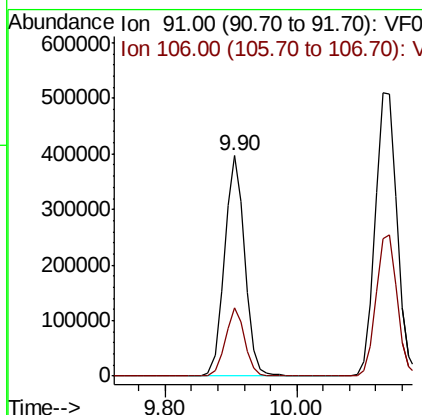
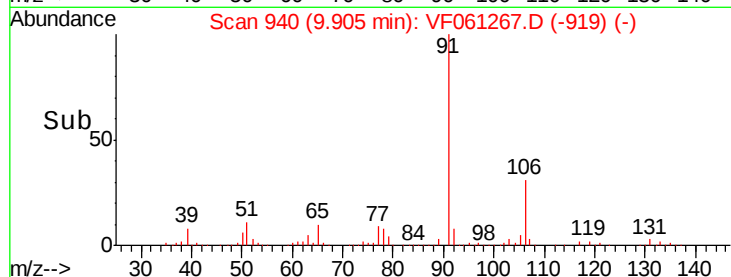
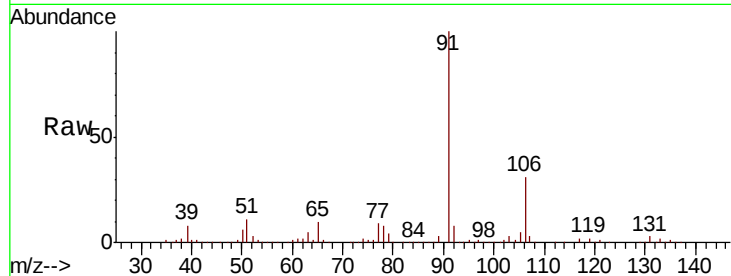




#67
Ethyl Benzene
Concen: 69.937 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

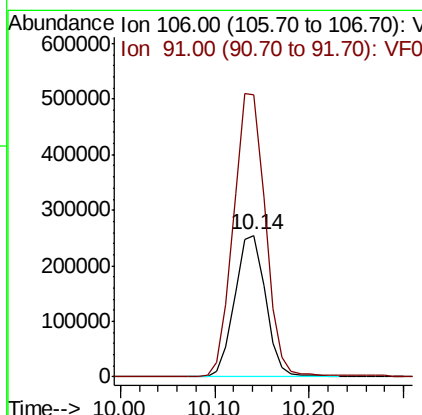
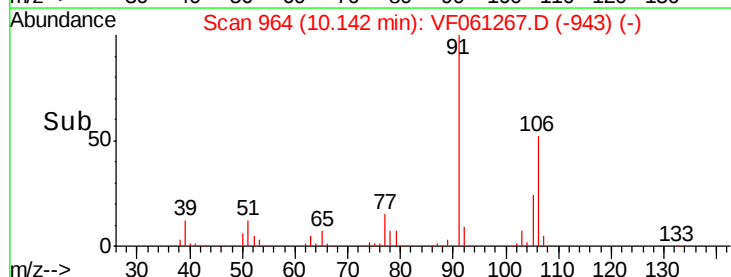
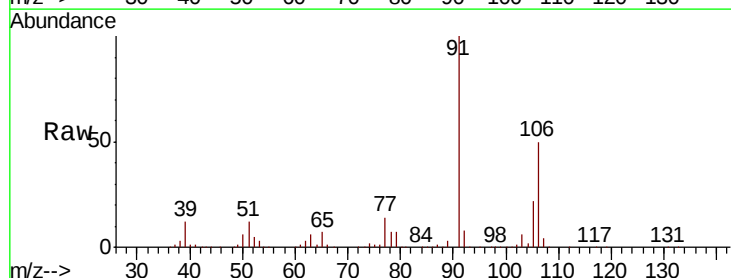
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

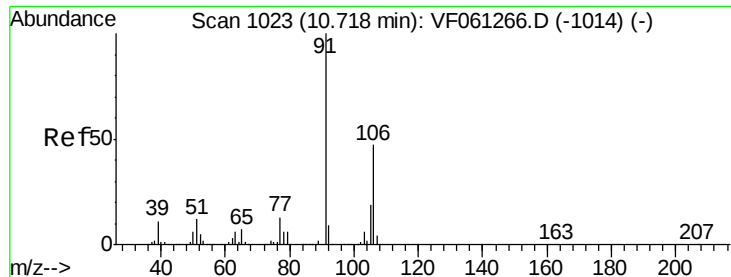
Tgt Ion: 91 Resp: 857612
Ion Ratio Lower Upper
91 100
106 31.1 22.8 34.2



#68
m/p-Xylenes
Concen: 134.707 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion: 106 Resp: 577462
Ion Ratio Lower Upper
106 100
91 198.8 164.8 247.2

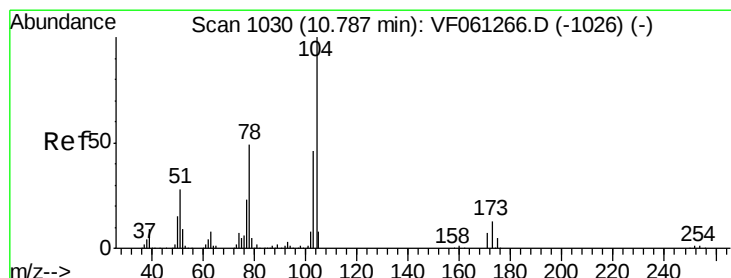
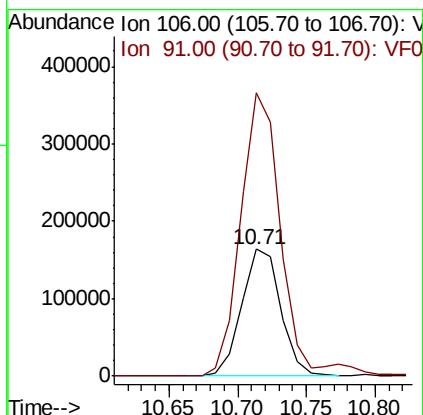
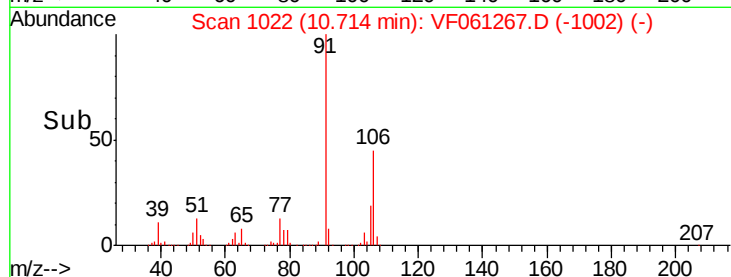
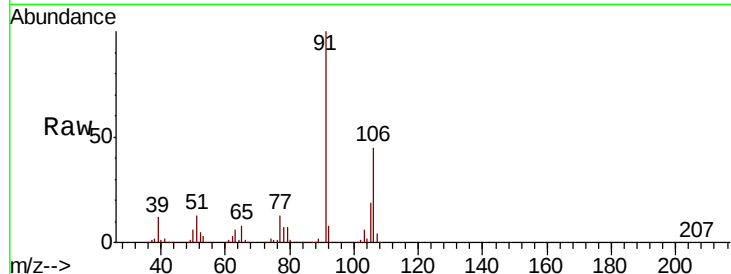




#69
o-Xylene
Concen: 67.860 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

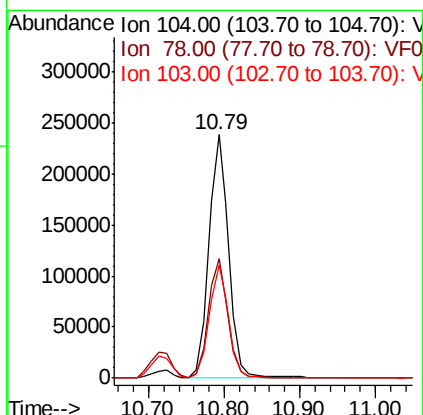
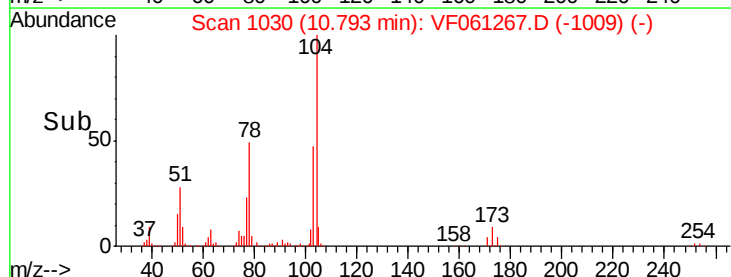
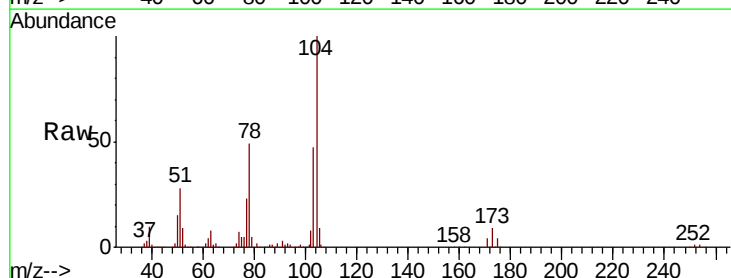
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

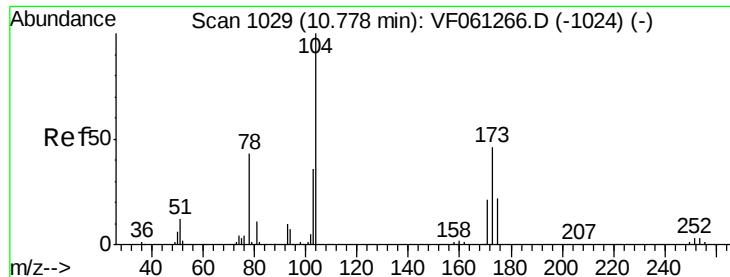
Tgt Ion:106 Resp: 325541
Ion Ratio Lower Upper
106 100
91 222.7 106.2 318.5



#70
Styrene
Concen: 65.440 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion:104 Resp: 433942
Ion Ratio Lower Upper
104 100
78 49.2 39.3 58.9
103 46.6 37.3 55.9





#71

Bromoform

Concen: 68.666 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

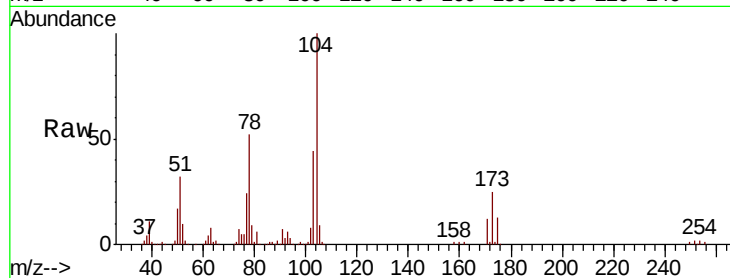
Tgt Ion:173 Resp: 86560

Ion Ratio Lower Upper

173 100

175 52.6 24.6 73.6

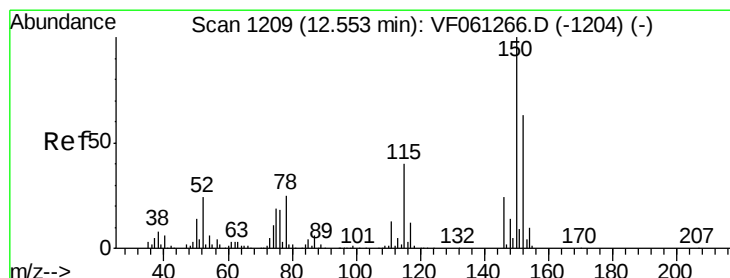
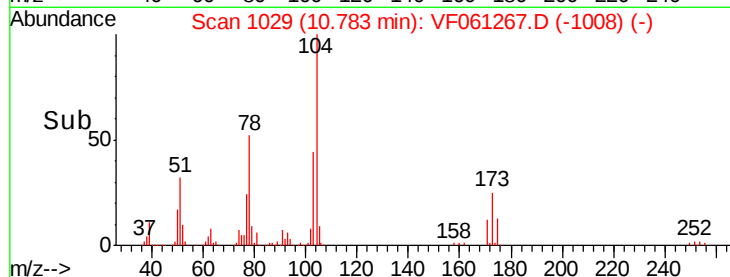
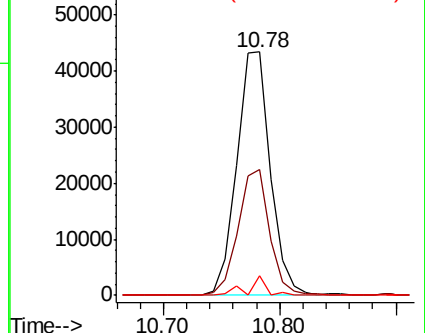
254 8.1 5.3 7.9#



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: 12.56 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

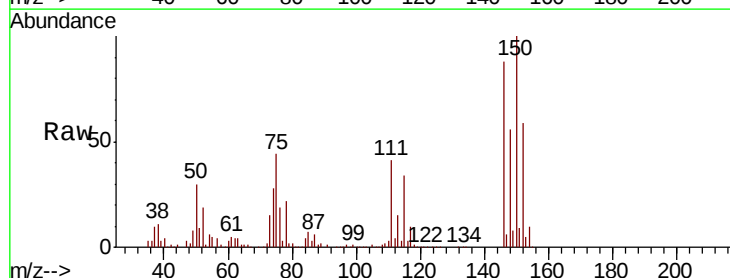
Tgt Ion:152 Resp: 153438

Ion Ratio Lower Upper

152 100

115 57.6 31.6 94.7

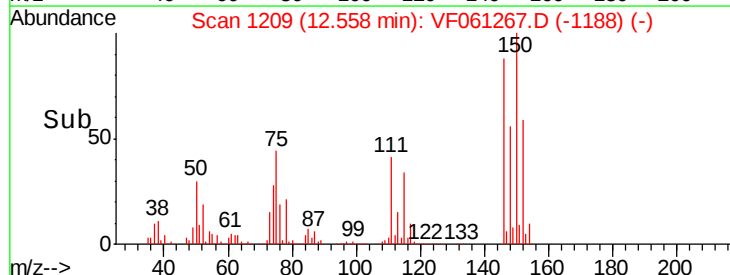
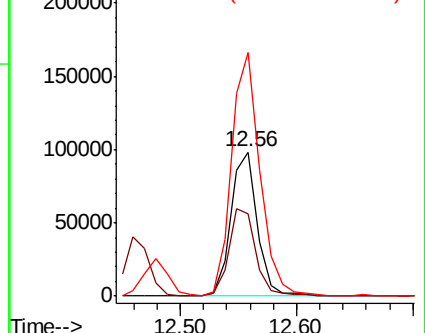
150 169.2 0.0 320.2

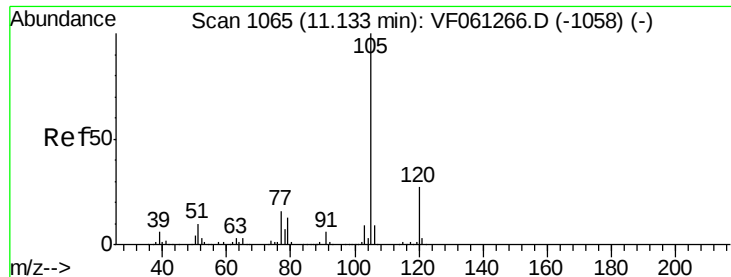


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 70.976 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

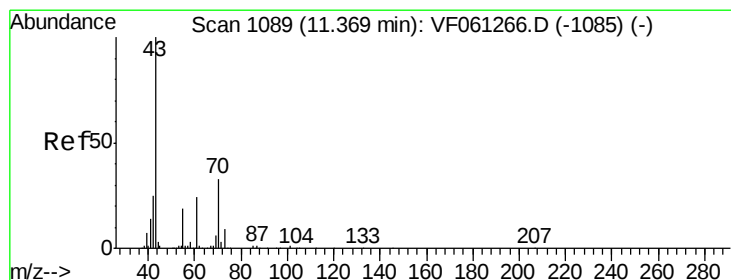
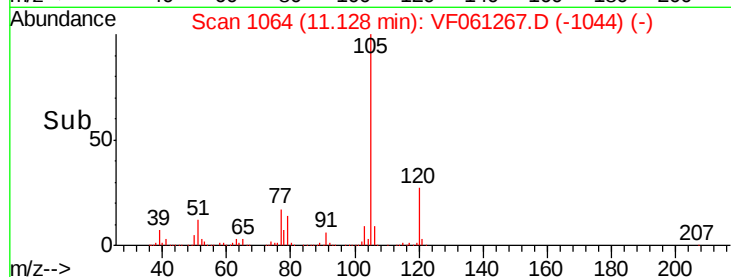
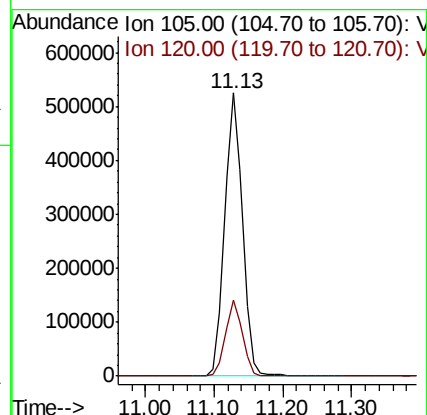
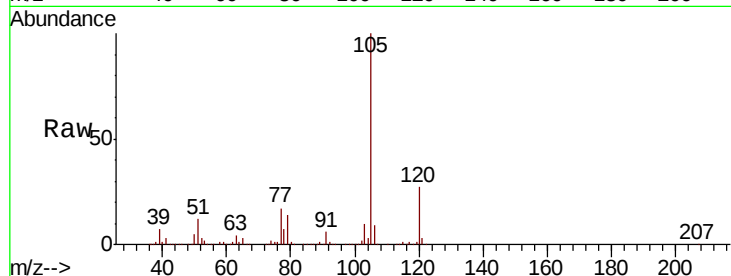
VSTDIC075

Tgt Ion:105 Resp: 939269

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1



#74

N-ethyl acetate

Concen: 79.723 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Tgt Ion: 43 Resp: 235657

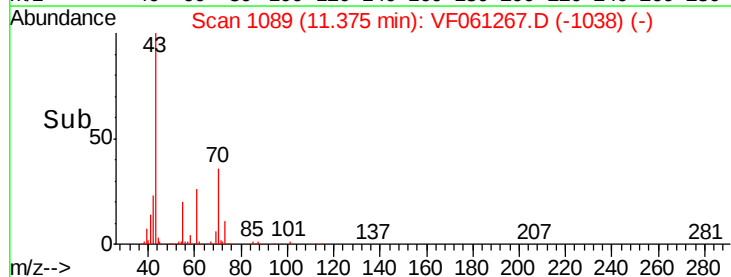
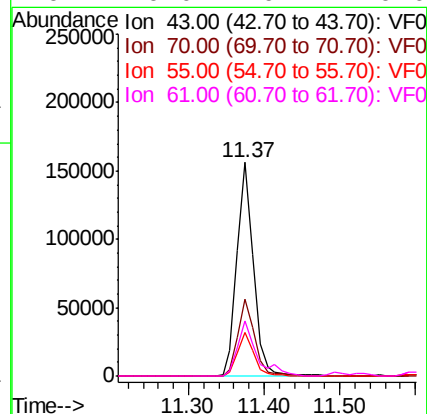
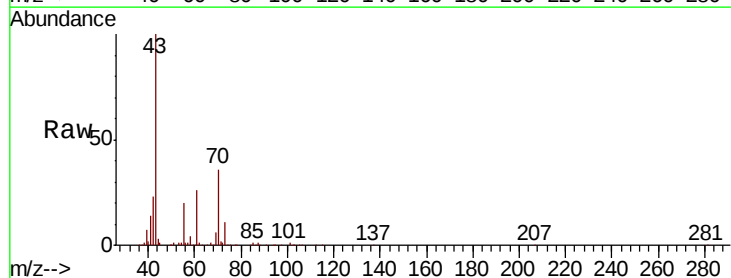
Ion Ratio Lower Upper

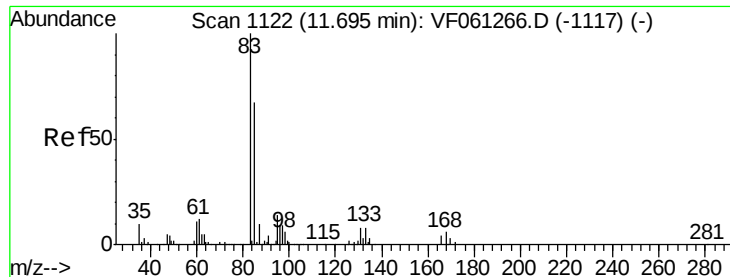
43 100

70 36.2 26.7 40.1

55 20.2 15.4 23.0

61 26.0 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 73.475 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

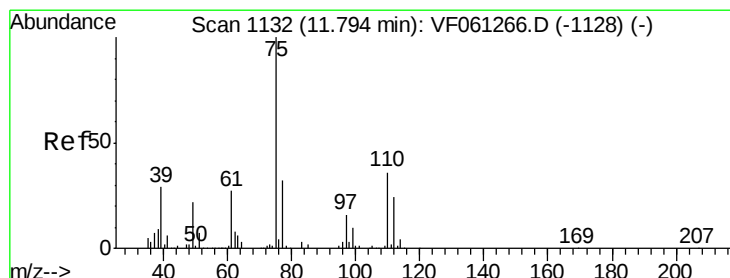
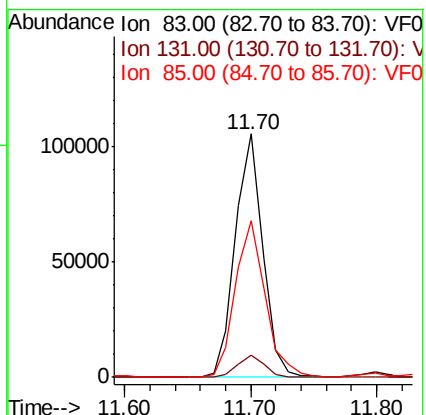
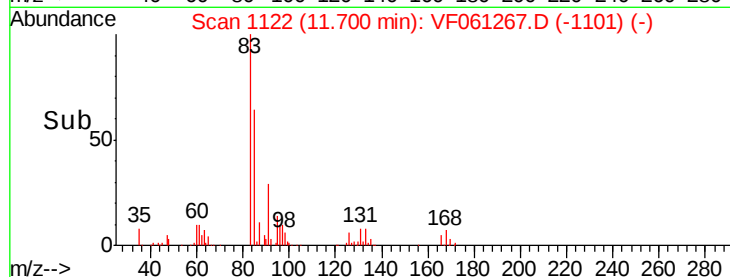
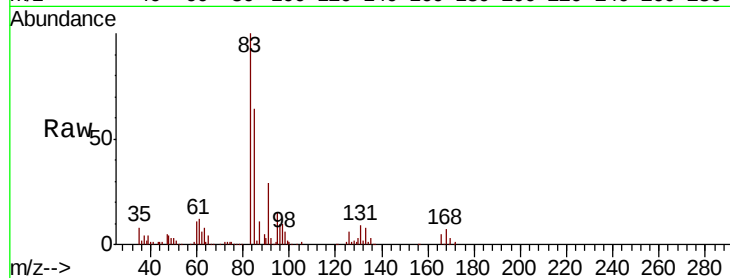
Tgt Ion: 83 Resp: 159576

Ion Ratio Lower Upper

83 100

131 8.9 4.0 12.0

85 64.3 33.6 100.8



#76

1,2,3-Trichloropropane

Concen: 71.524 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF061267.D

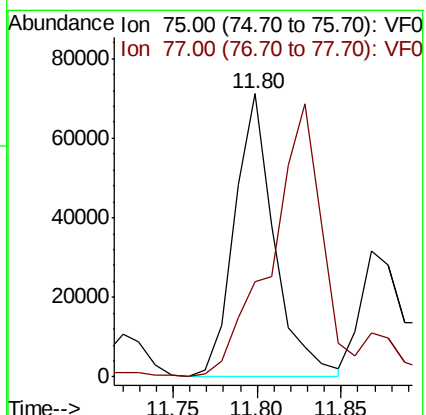
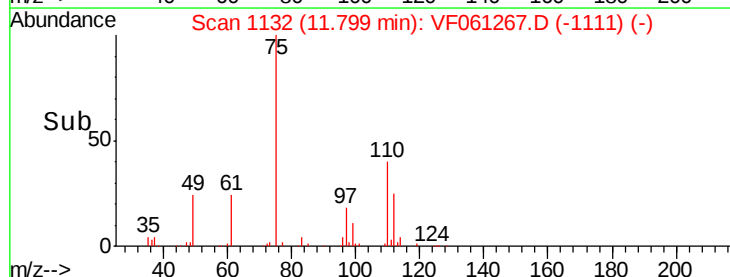
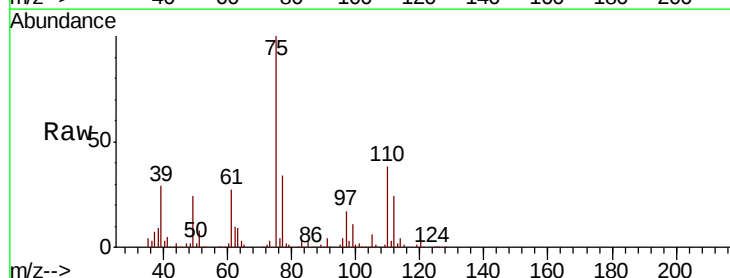
Acq: 3 Jan 2019 16:14

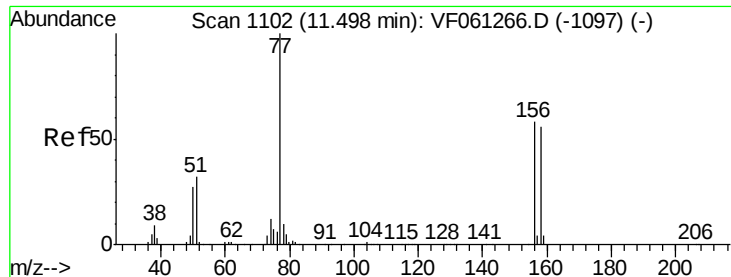
Tgt Ion: 75 Resp: 115694

Ion Ratio Lower Upper

75 100

77 33.5 15.9 47.7





#77

Bromobenzene

Concen: 70.669 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

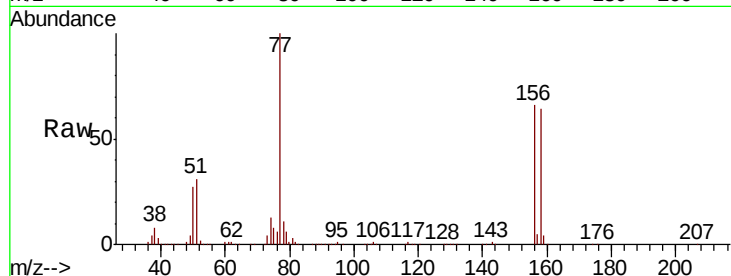
Tgt Ion:156 Resp: 200117

Ion Ratio Lower Upper

156 100

77 151.5 85.8 257.3

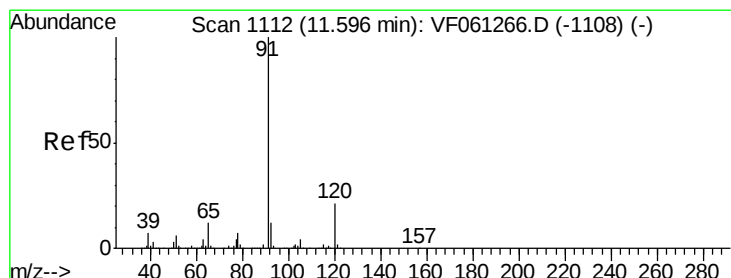
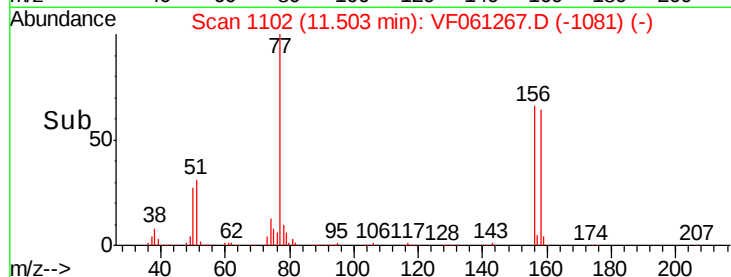
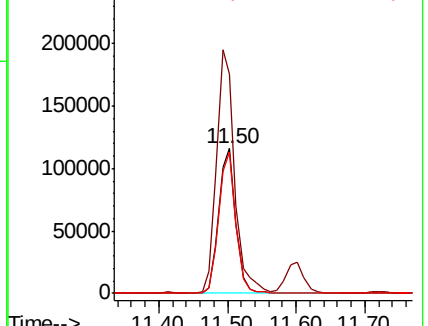
158 97.3 47.6 142.8



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: 66.702 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061267.D

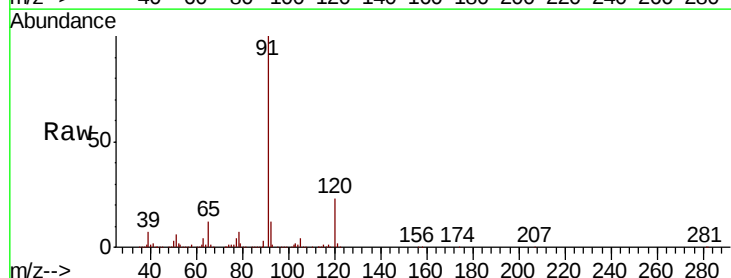
Acq: 3 Jan 2019 16:14

Tgt Ion: 91 Resp: 1037297

Ion Ratio Lower Upper

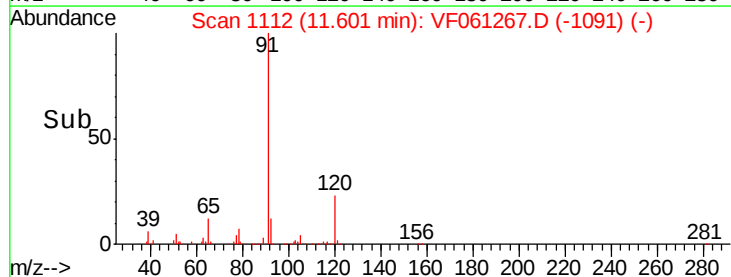
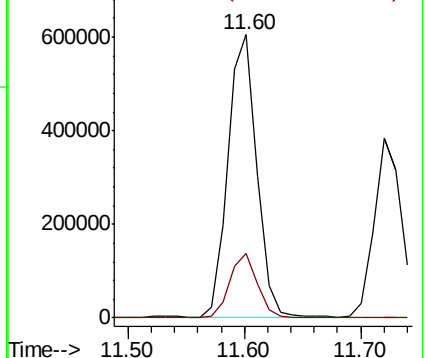
91 100

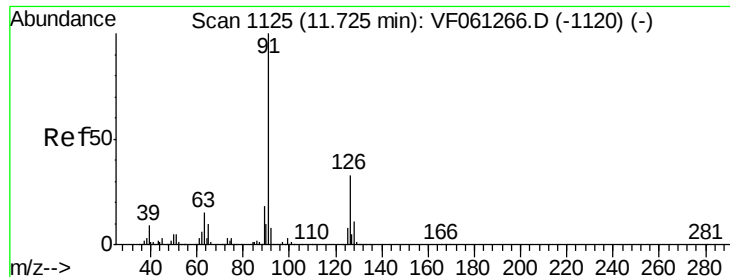
120 23.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

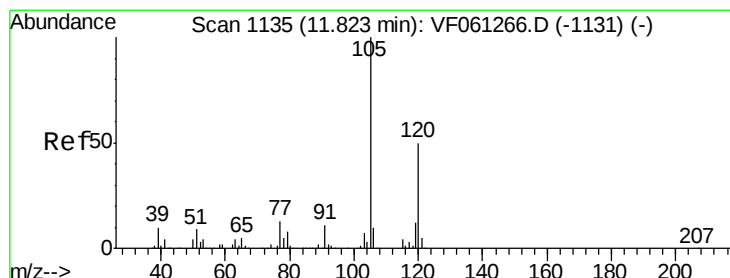
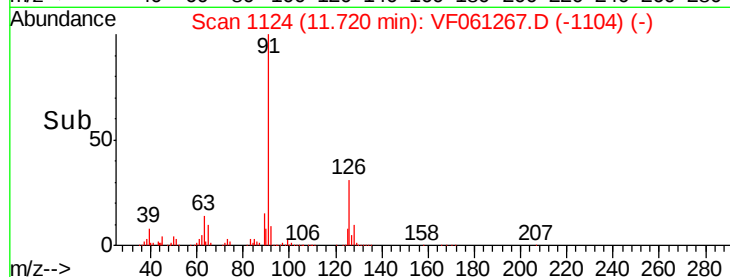
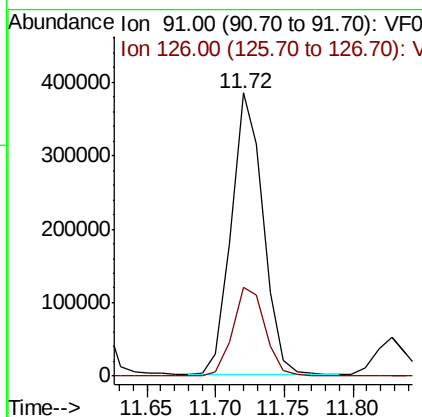
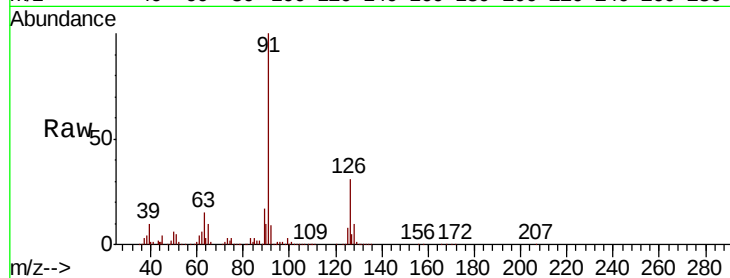




#79
 2-Chlorotoluene
 Concen: 68.486 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

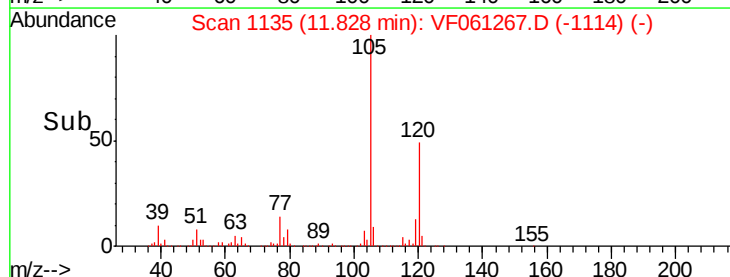
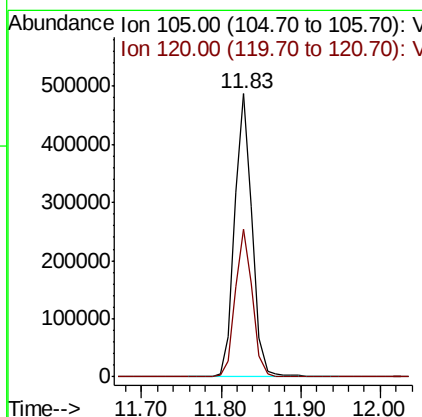
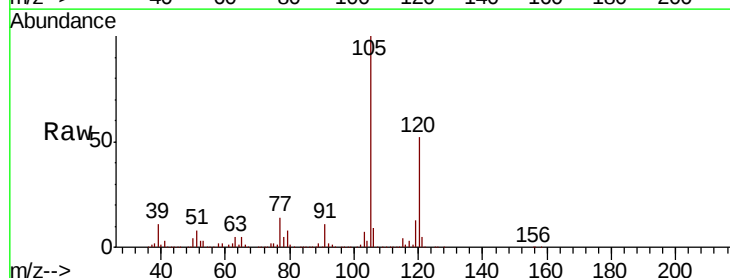
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

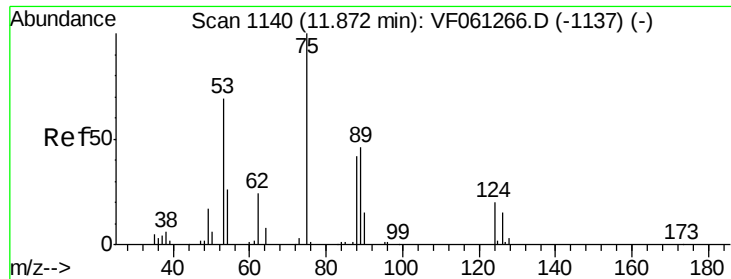
Tgt Ion: 91 Resp: 618493
 Ion Ratio Lower Upper
 91 100
 126 31.4 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 69.140 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion: 105 Resp: 747877
 Ion Ratio Lower Upper
 105 100
 120 52.4 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 98.695 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

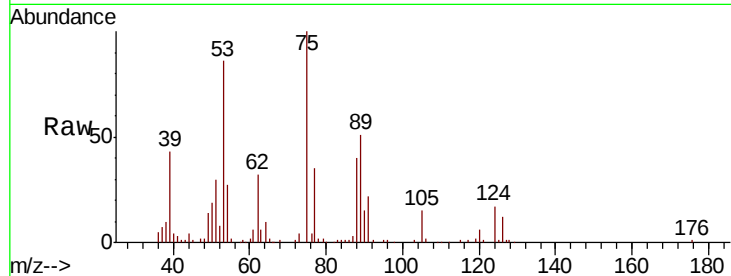
Tgt Ion: 75 Resp: 69702

Ion Ratio Lower Upper

75 100

53 86.0 61.7 92.5

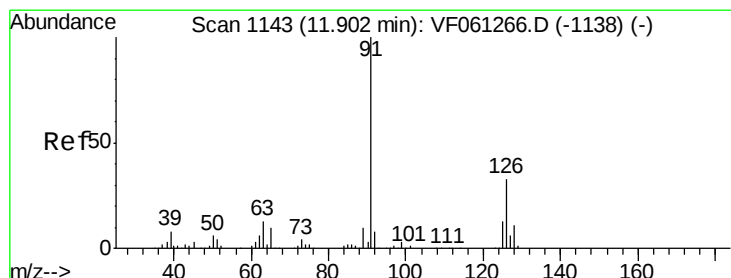
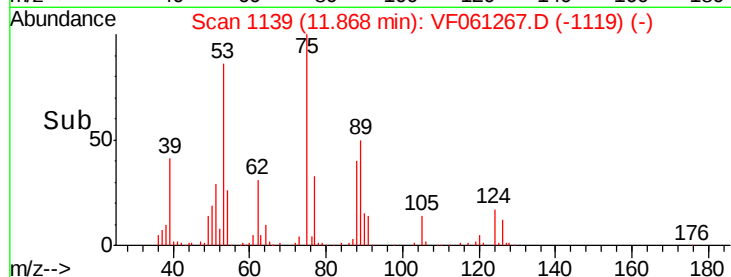
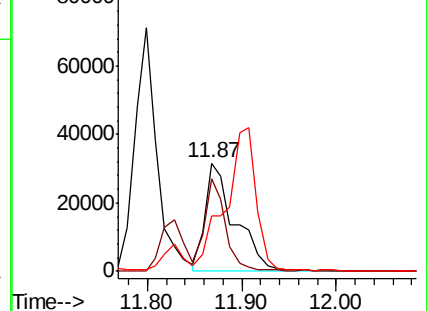
89 50.9 40.3 60.5



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: 67.245 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF061267.D

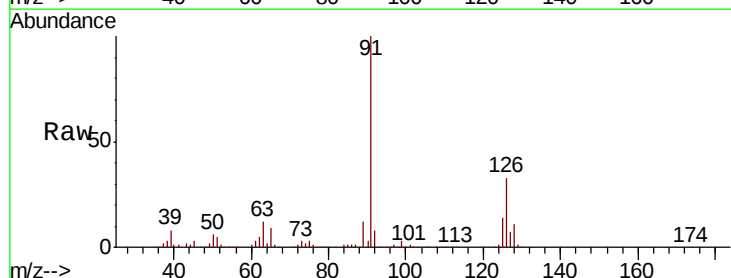
Acq: 3 Jan 2019 16:14

Tgt Ion: 91 Resp: 631099

Ion Ratio Lower Upper

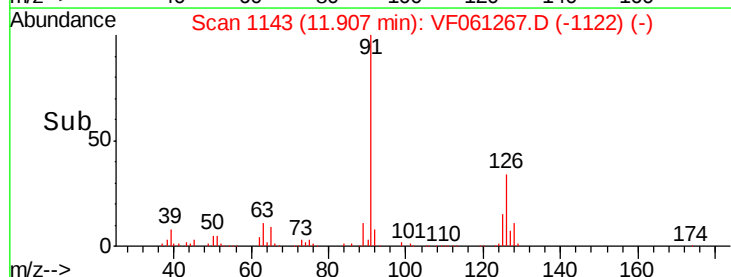
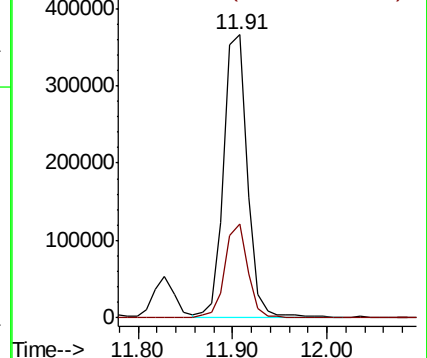
91 100

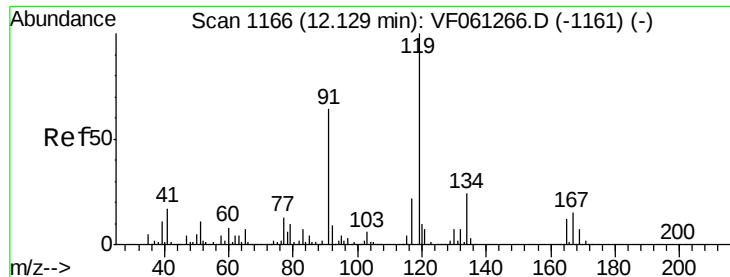
126 33.0 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

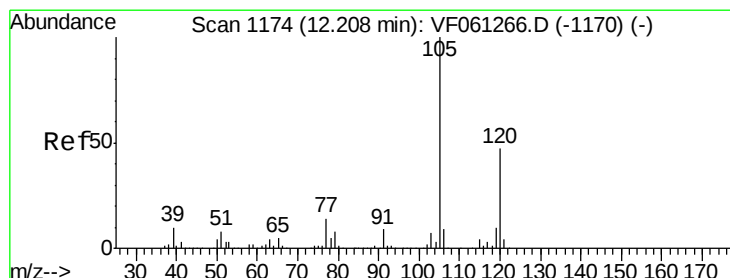
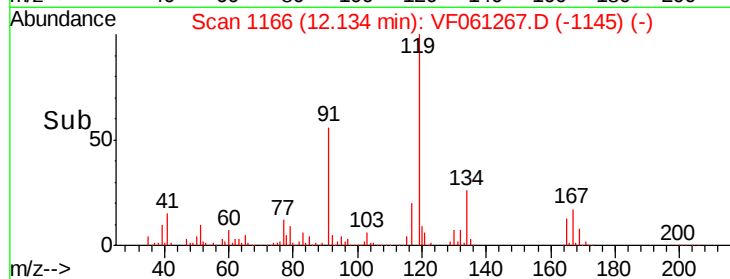
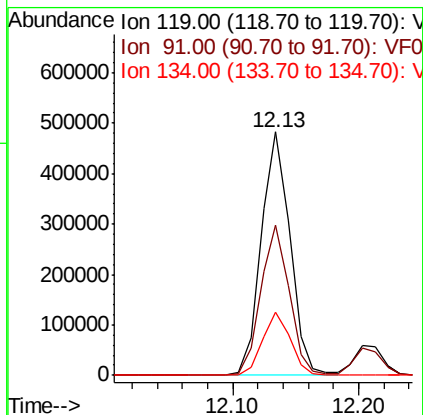
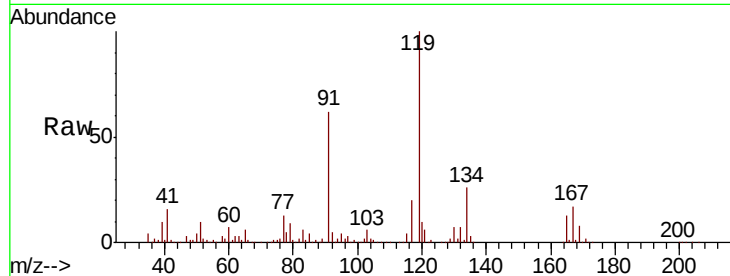




#83
 tert-Butylbenzene
 Concen: 69.190 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

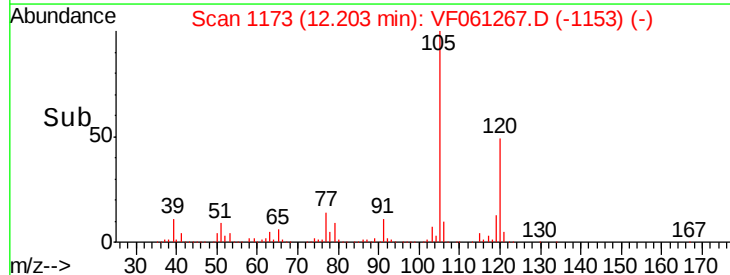
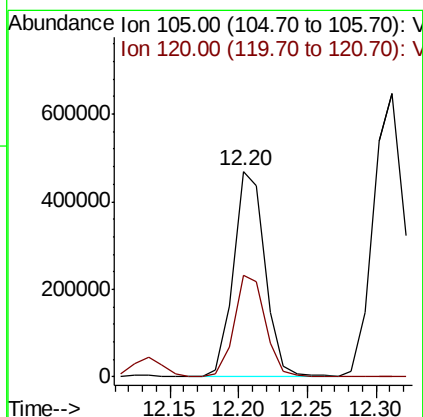
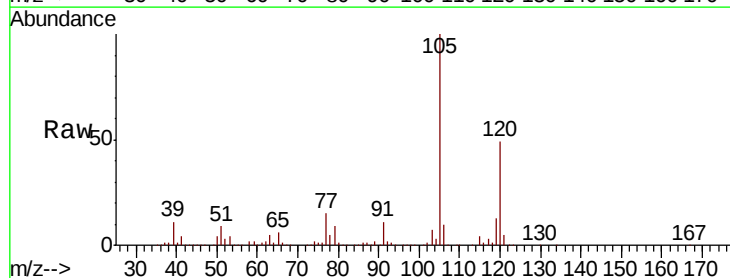
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

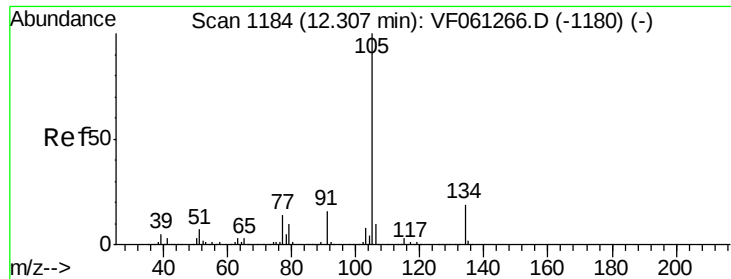
Tgt Ion:119 Resp: 769498
 Ion Ratio Lower Upper
 119 100
 91 61.7 32.0 96.0
 134 26.0 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 69.575 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion:105 Resp: 750602
 Ion Ratio Lower Upper
 105 100
 120 49.2 23.3 69.9

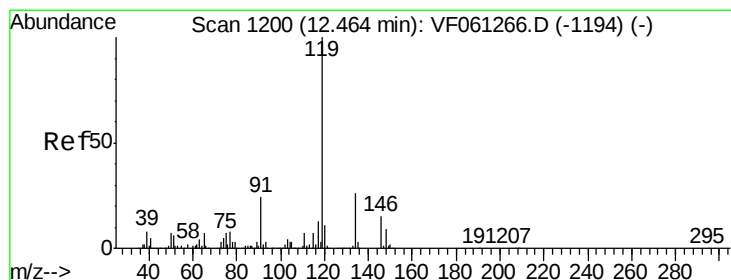
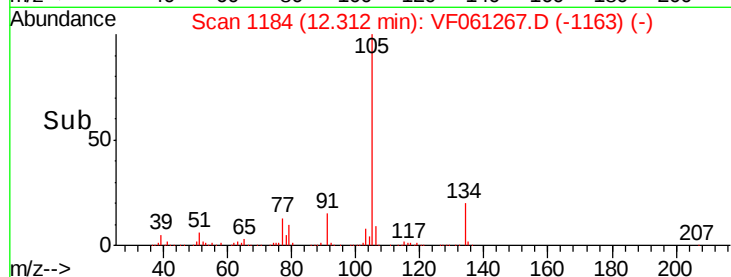
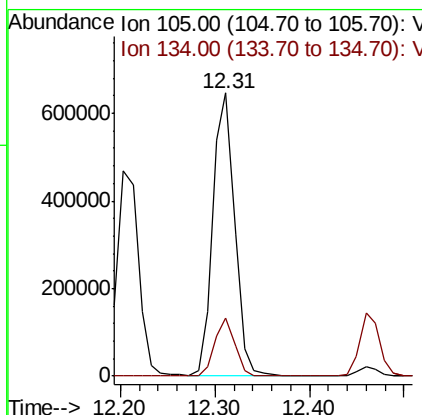
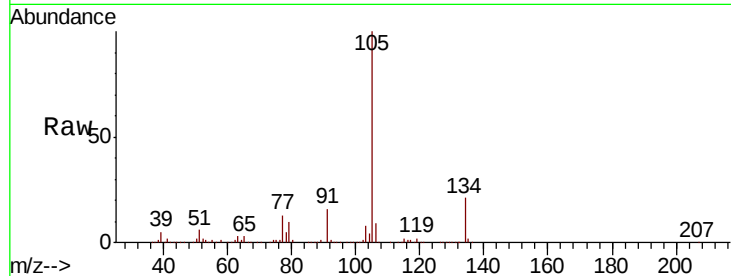




#85
 sec-Butylbenzene
 Concen: 70.708 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

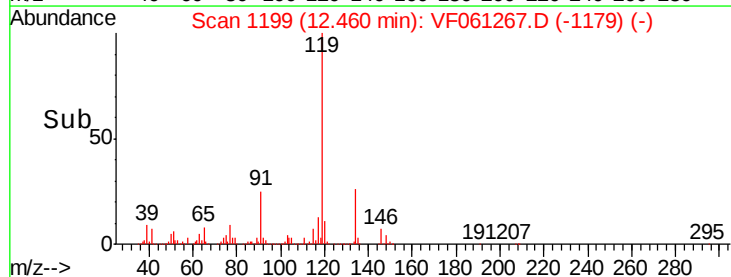
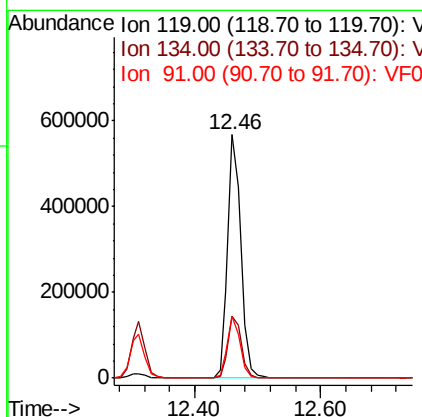
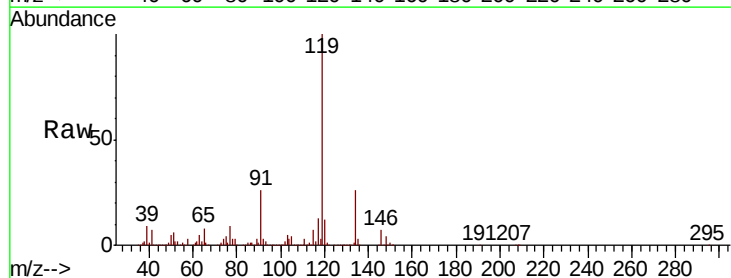
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

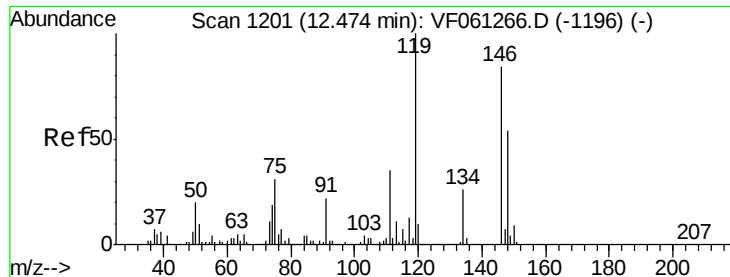
Tgt Ion:105 Resp: 1034265
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 67.861 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion:119 Resp: 825447
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.2 39.6
 91 25.6 11.9 35.7

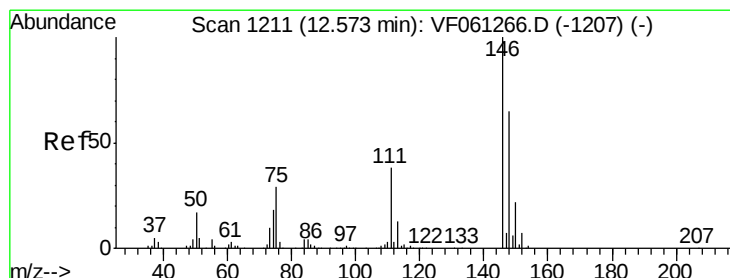
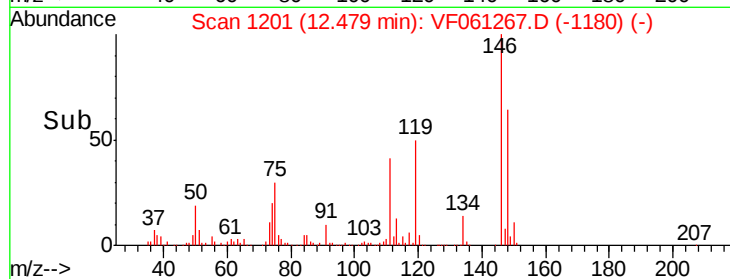
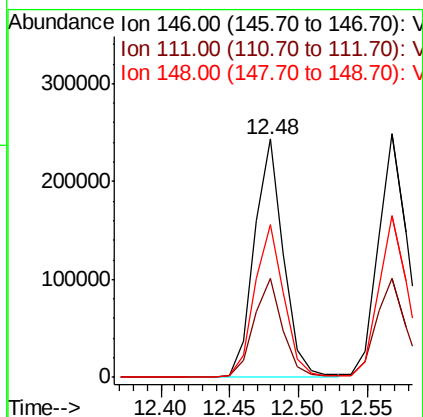
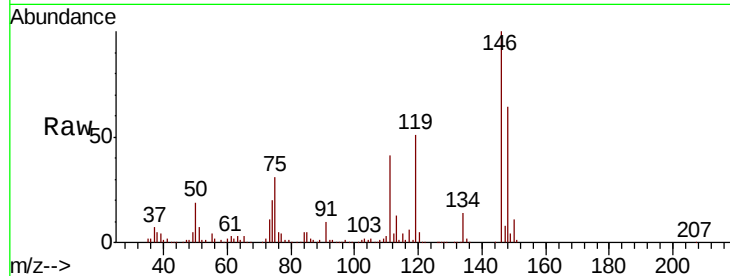




#87
 1,3-Dichlorobenzene
 Concen: 67.501 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

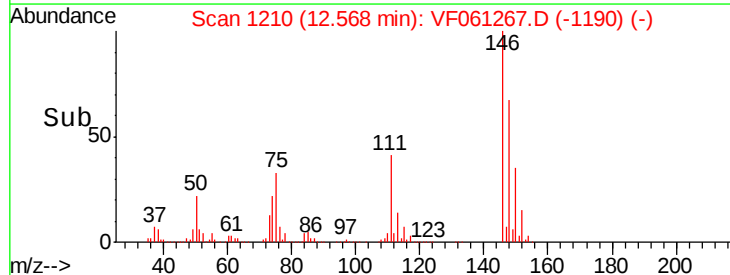
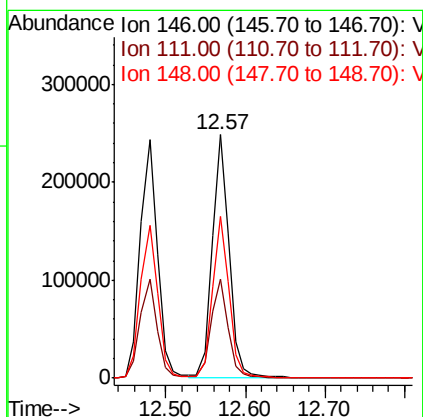
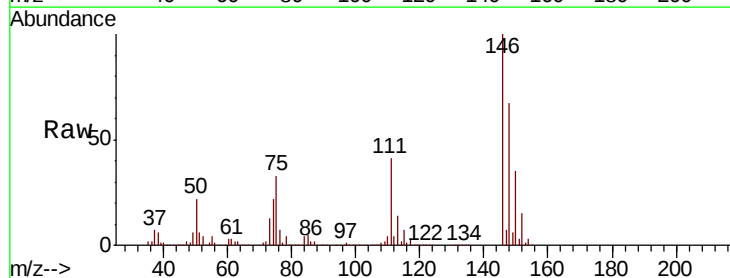
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

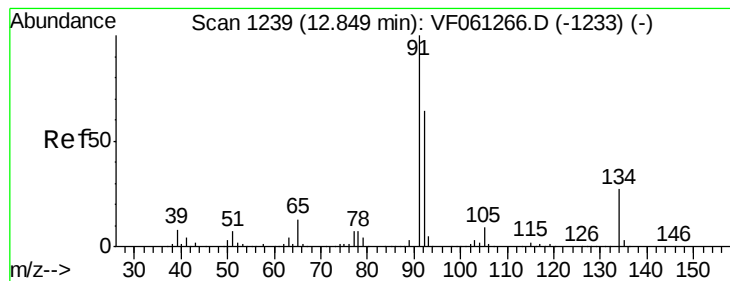
Tgt Ion:146 Resp: 362209
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.9 62.8
 148 64.4 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 71.489 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion:146 Resp: 375987
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.3 57.9
 148 66.5 32.6 98.0





#89

n-Butylbenzene

Concen: 68.251 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

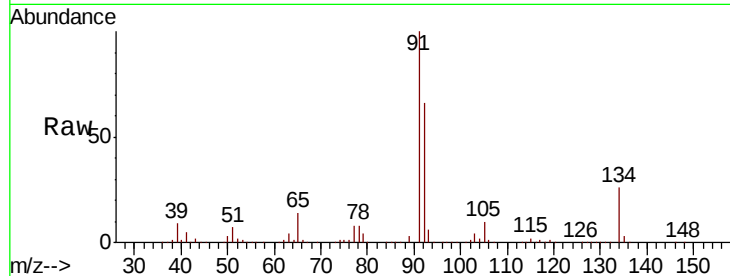
Tgt Ion: 91 Resp: 857415

Ion Ratio Lower Upper

91 100

92 66.4 31.9 95.7

134 26.0 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VF061266.D (-1233) (-)

Ion 92.00 (91.70 to 92.70): VF061266.D (-1233) (-)

Ion 134.00 (133.70 to 134.70): VF061266.D (-1233) (-)

12.84

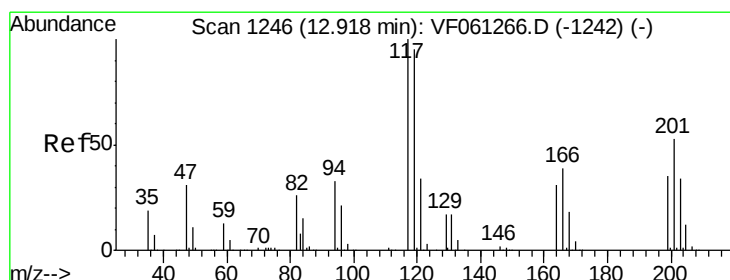
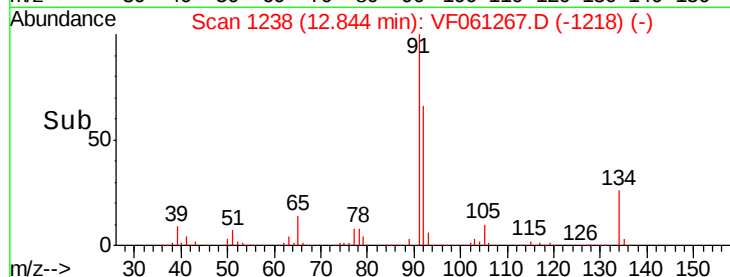
600000

400000

200000

0

Time--> 12.70 12.80 12.90 13.00



#90

Hexachloroethane

Concen: 71.418 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VF061267.D

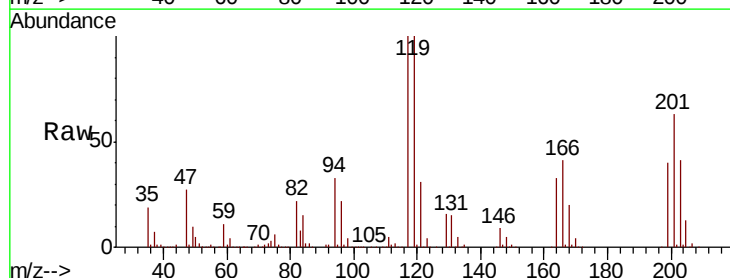
Acq: 3 Jan 2019 16:14

Tgt Ion: 117 Resp: 214416

Ion Ratio Lower Upper

117 100

201 63.5 26.6 79.7



Abundance Ion 117.00 (116.70 to 117.70): VF061266.D (-1242) (-)

Ion 201.00 (200.70 to 201.70): VF061266.D (-1242) (-)

12.92

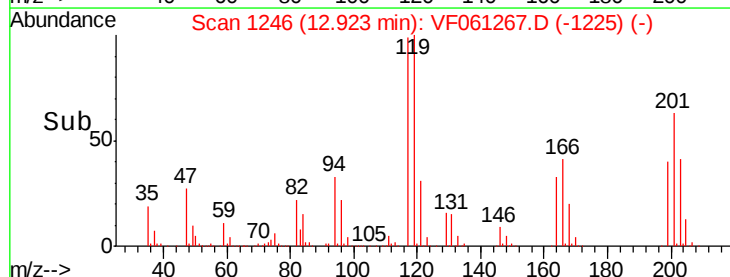
150000

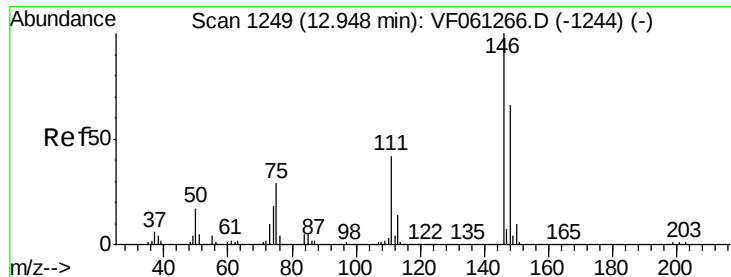
100000

50000

0

Time--> 12.80 12.90 13.00





#91

1,2-Dichlorobenzene

Concen: 69.286 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

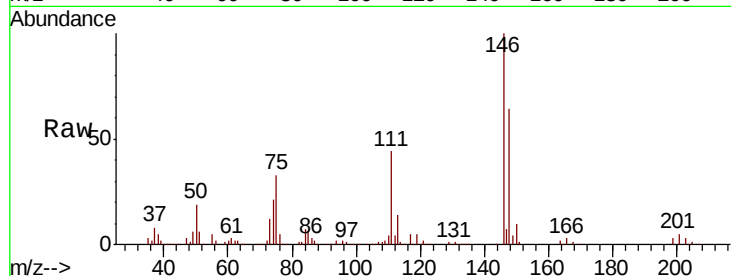
Tgt Ion:146 Resp: 350012

Ion Ratio Lower Upper

146 100

111 44.4 21.1 63.4

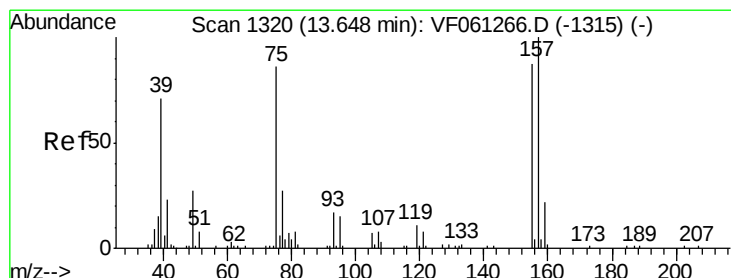
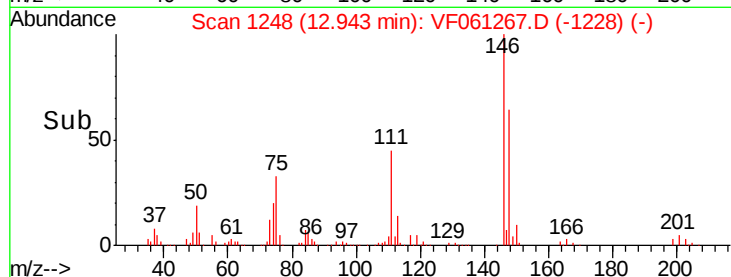
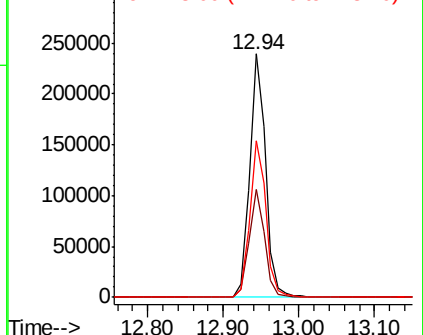
148 64.1 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 75.122 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VF061267.D

Acq: 3 Jan 2019 16:14

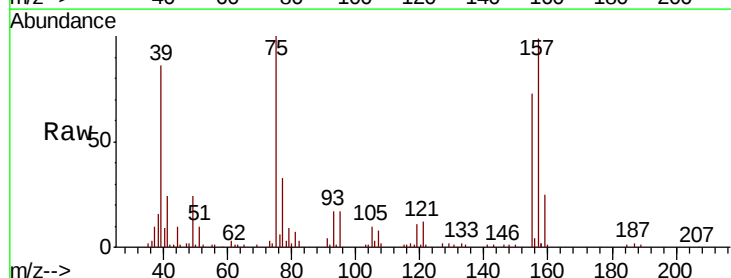
Tgt Ion: 75 Resp: 29633

Ion Ratio Lower Upper

75 100

155 73.0 50.6 151.8

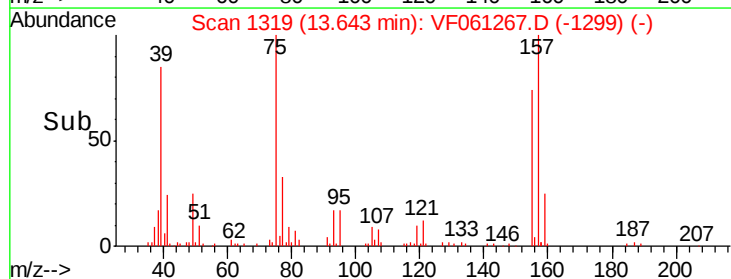
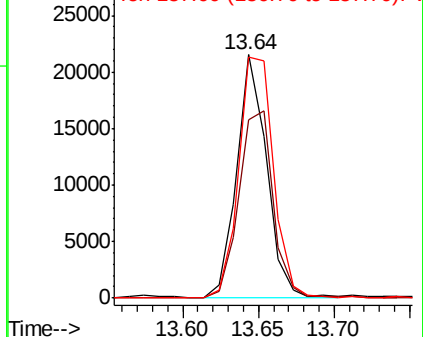
157 99.0 58.0 173.9

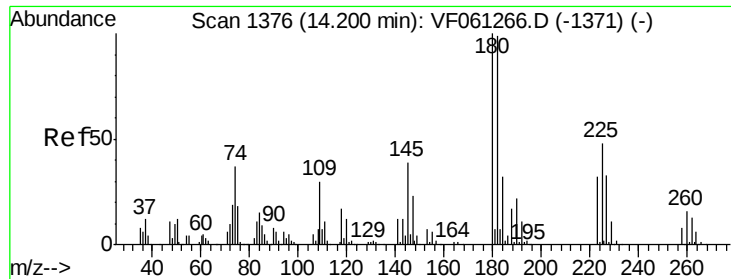


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

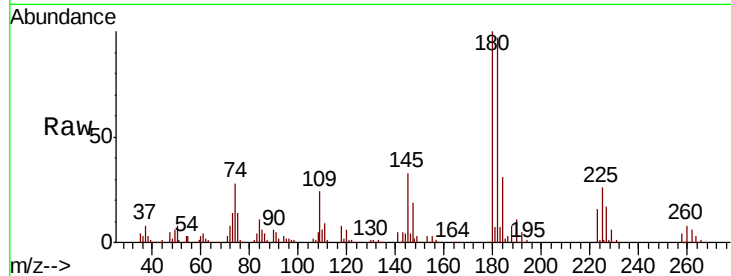




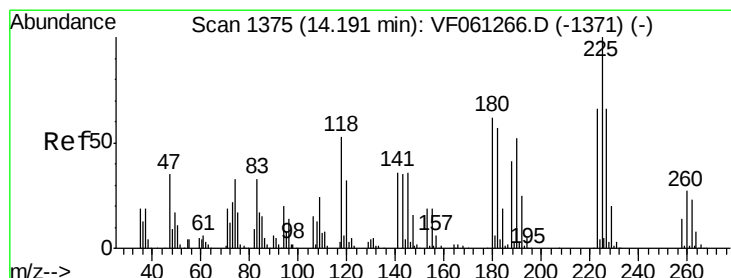
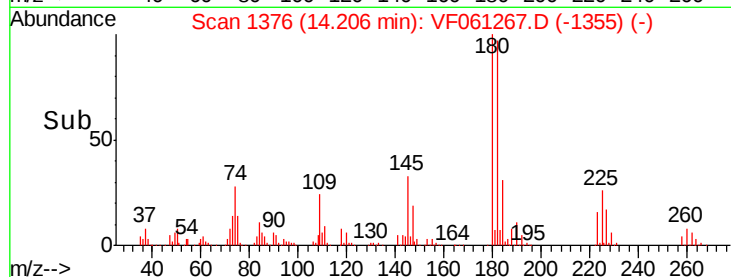
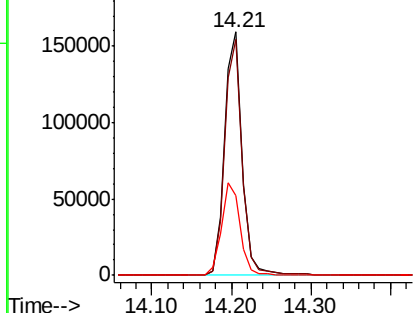
#93
 1,2,4-Trichlorobenzene
 Concen: 69.133 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 248888
 Ion Ratio Lower Upper
 180 100
 182 97.1 49.5 148.3
 145 32.9 19.7 59.0

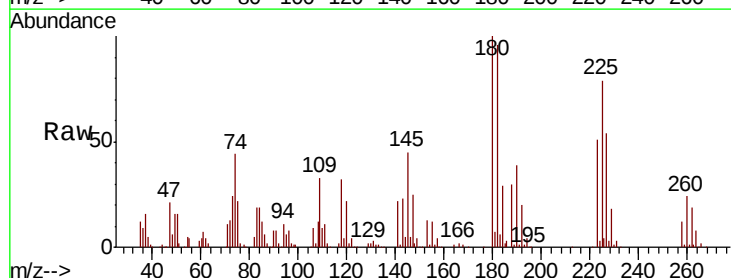


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

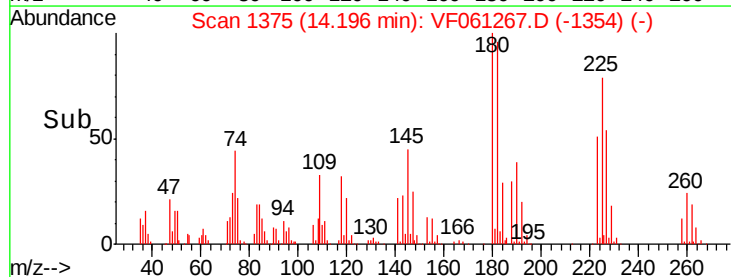
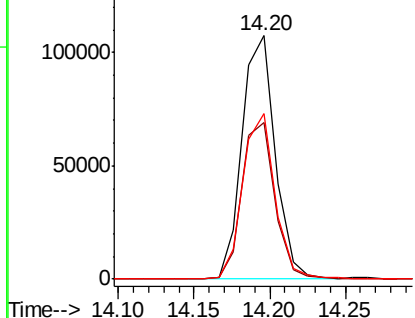


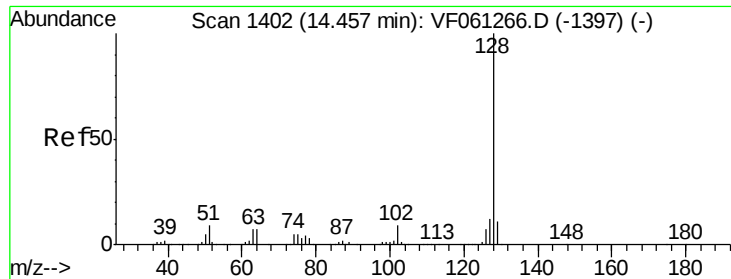
#94
 Hexachlorobutadiene
 Concen: 71.409 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061267.D
 Acq: 3 Jan 2019 16:14

Tgt Ion:225 Resp: 163666
 Ion Ratio Lower Upper
 225 100
 223 64.1 33.0 99.0
 227 67.8 32.8 98.4



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

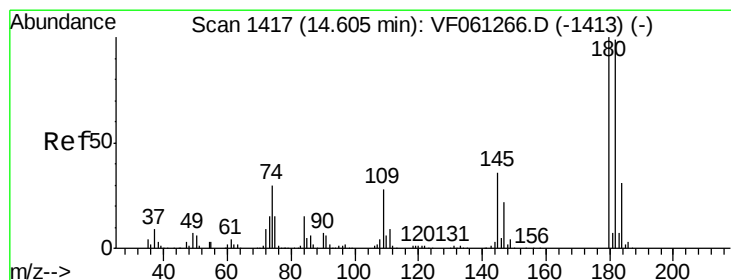
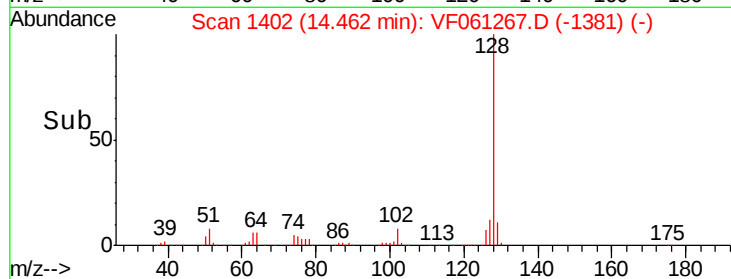
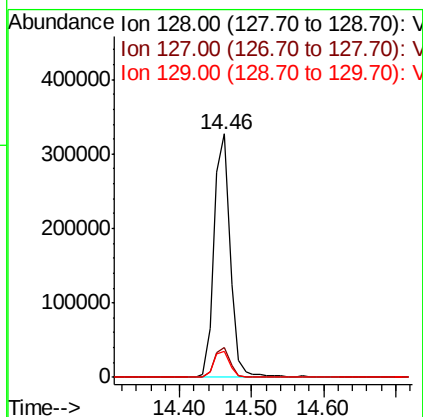
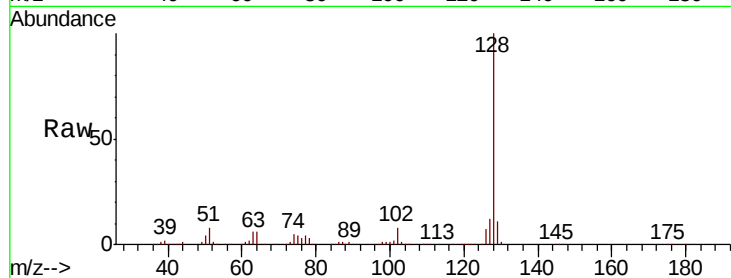




#95
Naphthalene
Concen: 77.331 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 503009
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.6
129 10.8 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 75.072 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061267.D
Acq: 3 Jan 2019 16:14

Tgt Ion:180 Resp: 247242
Ion Ratio Lower Upper
180 100
182 93.6 49.5 148.5
145 36.5 18.0 54.0

