

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010319\
 Data File : VF061269.D
 Acq On : 3 Jan 2019 17:11
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 04 02:45:19 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	186275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	338007	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	319697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	156756	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	368393	154.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.18%	
35) Dibromofluoromethane	4.13	113	383831	142.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.24%	
50) Toluene-d8	7.56	98	1089901	141.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	283.18%	
62) 4-Bromofluorobenzene	11.41	95	483643	137.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	274.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	530299	131.133	ug/l	96
3) Chloromethane	1.10	50	394388	163.104	ug/l	93
4) Vinyl Chloride	1.14	62	341705	152.777	ug/l	99
5) Bromomethane	1.32	94	225121	145.647	ug/l	98
6) Chloroethane	1.38	64	142907	139.488	ug/l	99
7) Trichlorofluoromethane	1.48	101	631358	150.119	ug/l	97
8) Diethyl Ether	1.63	74	87056	152.350	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	290075	131.950	ug/l	99
10) Methyl Iodide	1.91	142	409790	118.838	ug/l	93
11) Tert butyl alcohol	2.58	59	76264	798.731	ug/l	97
12) 1,1-Dichloroethene	1.79	96	245440	148.944	ug/l	96
13) Acrolein	2.00	56	61983	865.409	ug/l	94
14) Allyl chloride	2.09	41	363729	193.448	ug/l	98
15) Acrylonitrile	2.94	53	201224	892.425	ug/l	98
16) Acetone	2.24	43	293763	645.257	ug/l	98
17) Carbon Disulfide	1.83	76	775868	153.608	ug/l	99
18) Methyl Acetate	2.35	43	138915	140.270	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	557970	154.943	ug/l	99
20) Methylene Chloride	2.18	84	93948	51.740	ug/l	90
21) trans-1,2-Dichloroethene	2.31	96	275057	153.478	ug/l	98
22) Diisopropyl ether	2.80	45	958557	166.489	ug/l	97
23) Vinyl Acetate	3.19	43	2043202	777.611	ug/l	98
24) 1,1-Dichloroethane	2.87	63	543276	158.715	ug/l	100
25) 2-Butanone	4.33	43	579015	747.581	ug/l	93
26) 2,2-Dichloropropane	3.60	77	288892	146.091	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	410052	151.259	ug/l	99
28) Bromochloromethane	3.72	49	240293	141.440	ug/l	98
29) Tetrahydrofuran	4.08	42	242481	767.485	ug/l	97
30) Chloroform	3.87	83	722623	142.661	ug/l	98
31) Cyclohexane	3.69	56	533920	148.912	ug/l	96
32) 1,1,1-Trichloroethane	4.11	97	510858	161.598	ug/l	99
36) 1,1-Dichloropropene	4.28	75	556291	136.074	ug/l	98
37) Ethyl Acetate	4.12	43	224747	136.161	ug/l #	74
38) Carbon Tetrachloride	4.00	117	465115	147.514	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	598542	159.354	ug/l	95
40) Benzene	4.64	78	1226794	138.604	ug/l	96
41) Methacrylonitrile	4.76	41	121983	144.209	ug/l	98
42) 1,2-Dichloroethane	4.95	62	451502	138.795	ug/l	96
43) Isopropyl Acetate	6.97	43	333763	169.357	ug/l	99
44) Trichloroethene	5.51	130	382024	138.957	ug/l	96
45) 1,2-Dichloropropane	6.25	63	335572	140.190	ug/l	99
46) Dibromomethane	6.09	93	229515	150.102	ug/l	94
47) Bromodichloromethane	6.39	83	562891	142.221	ug/l	98
48) Methyl methacrylate	6.72	41	210738	153.257	ug/l	96
49) 1,4-Dioxane	6.71	88	27442	2799.406	ug/l	94
51) 4-Methyl-2-Pentanone	8.27	43	999650	741.728	ug/l	97
52) Toluene	7.63	92	791283	135.247	ug/l	90
53) t-1,3-Dichloropropene	8.29	75	448204	138.950	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	567964	140.056	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	254222	146.252	ug/l	97
56) Ethyl methacrylate	8.62	69	300581	160.120	ug/l	92
57) 1,3-Dichloropropane	8.86	76	484784	153.835	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	188682	551.369	ug/l #	88
59) 2-Hexanone	9.50	43	721900	745.100	ug/l	96
60) Dibromochloromethane	8.72	129	360941	147.104	ug/l	94
61) 1,2-Dibromoethane	9.00	107	271160	146.669	ug/l	97
64) Tetrachloroethene	8.16	164	329629	132.715	ug/l	98
65) Chlorobenzene	9.81	112	893920	133.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	366262	134.113	ug/l	98
67) Ethyl Benzene	9.91	91	1575558	128.746	ug/l	94
68) m/p-Xylenes	10.14	106	1082661	253.073	ug/l	89
69) o-Xylene	10.72	106	611865	127.805	ug/l	95
70) Styrene	10.79	104	851226	128.630	ug/l	99
71) Bromoform	10.78	173	186030	147.874	ug/l #	97
73) Isopropylbenzene	11.13	105	1701227	125.832	ug/l	97
74) N-amyl acetate	11.38	43	463393	153.448	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	315098	142.012	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	244130	147.731	ug/l	95
77) Bromobenzene	11.50	156	388371	134.245	ug/l	89
78) n-propylbenzene	11.60	91	1960772	123.416	ug/l	89
79) 2-Chlorotoluene	11.73	91	1155407	125.230	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	1373328	124.274	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.88	75	154852	214.622	ug/l	96
82) 4-Chlorotoluene	11.91	91	1228397	128.118	ug/l	93
83) tert-Butylbenzene	12.13	119	1318525	116.047	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	1326488	120.352	ug/l	91
85) sec-Butylbenzene	12.31	105	1887688	126.321	ug/l	91
86) p-Isopropyltoluene	12.46	119	1427797	114.897	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	651832	118.904	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	705692	131.338	ug/l	96
89) n-Butylbenzene	12.85	91	1470761	114.597	ug/l	93
90) Hexachloroethane	12.92	117	423649	138.123	ug/l	77
91) 1,2-Dichlorobenzene	12.94	146	674309	130.656	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	64846	160.911	ug/l	83

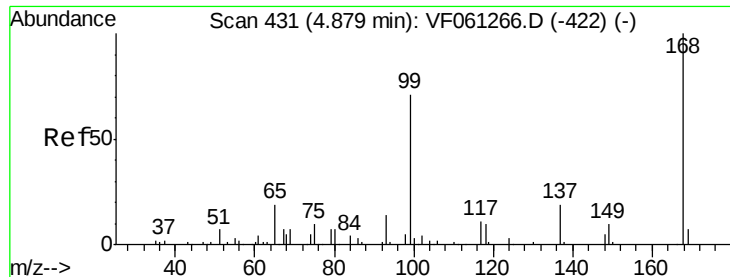
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010319\
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Operator : VA/AP
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	470536	127.933	ug/l	98
94) Hexachlorobutadiene	14.20	225	314527	134.326	ug/l	97
95) Naphthalene	14.46	128	1021199	153.673	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	472463	140.421	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

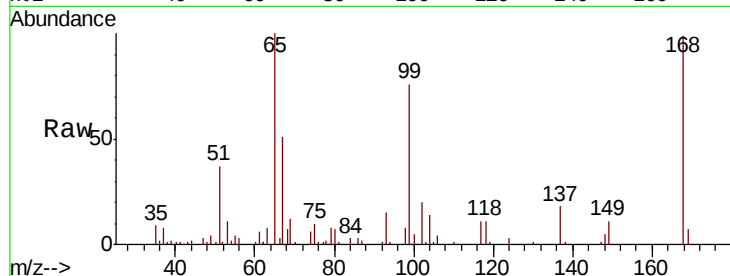
VSTDIC150

Tgt Ion:168 Resp: 186275

Ion Ratio Lower Upper

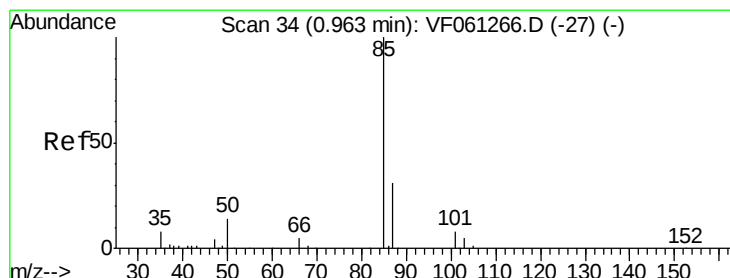
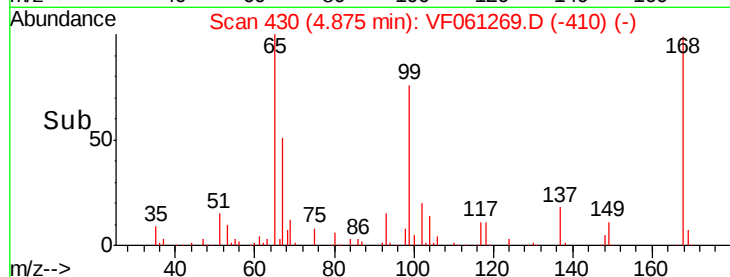
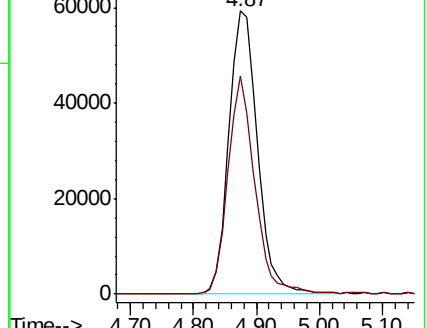
168 100

99 77.0 57.0 85.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 131.133 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061269.D

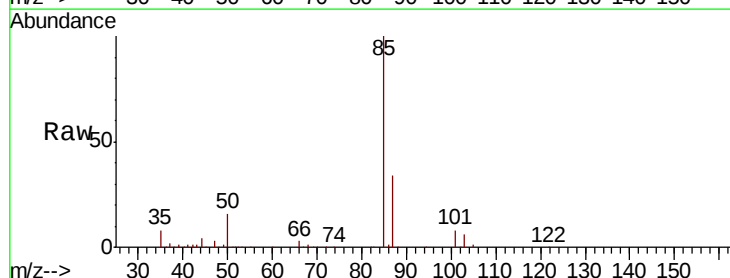
Acq: 3 Jan 2019 17:11

Tgt Ion: 85 Resp: 530299

Ion Ratio Lower Upper

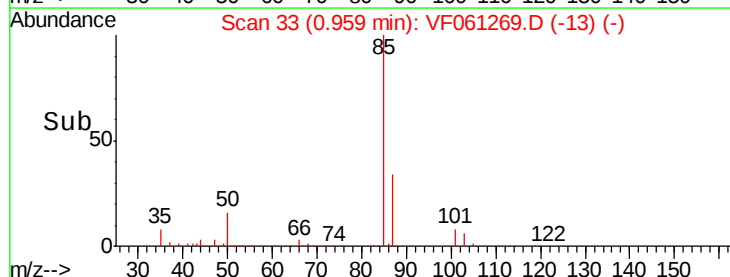
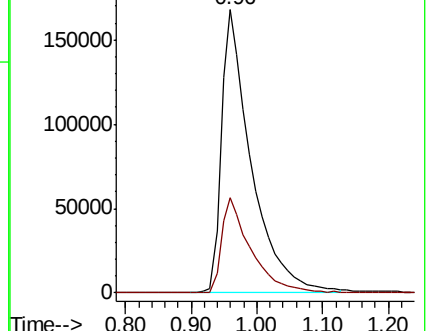
85 100

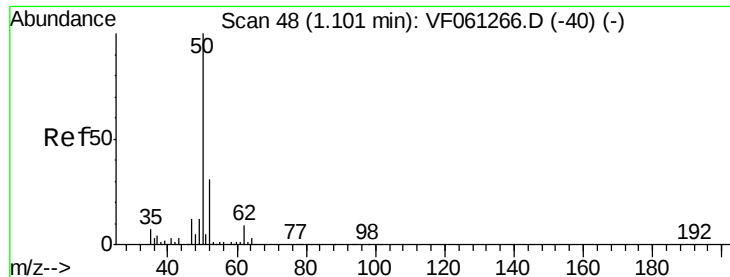
87 33.6 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 163.104 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

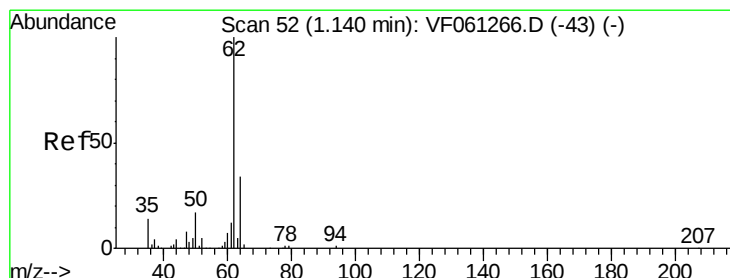
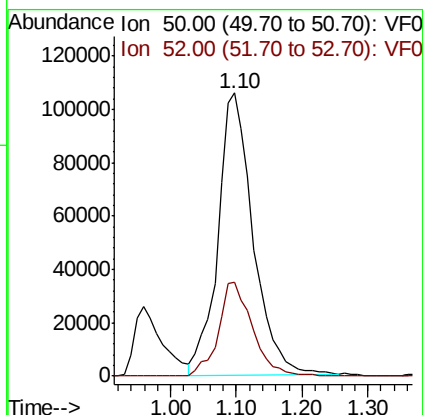
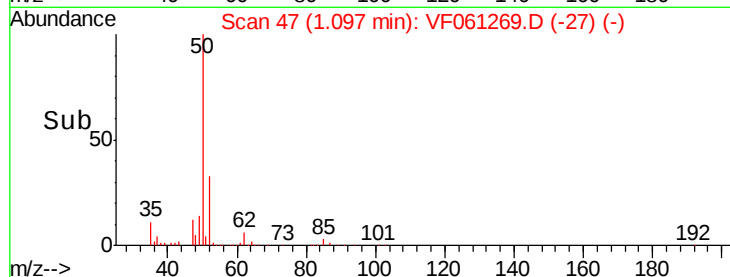
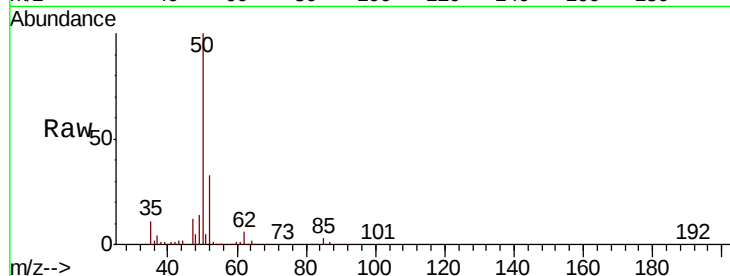
VSTDIC150

Tgt Ion: 50 Resp: 394388

Ion Ratio Lower Upper

50 100

52 33.2 23.4 35.2



#4

Vinyl Chloride

Concen: 152.777 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061269.D

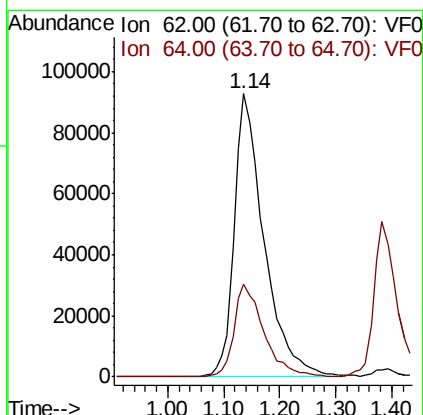
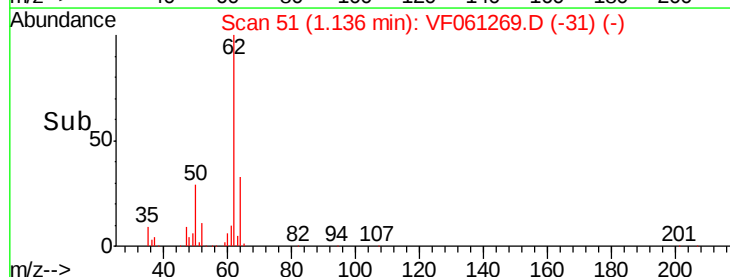
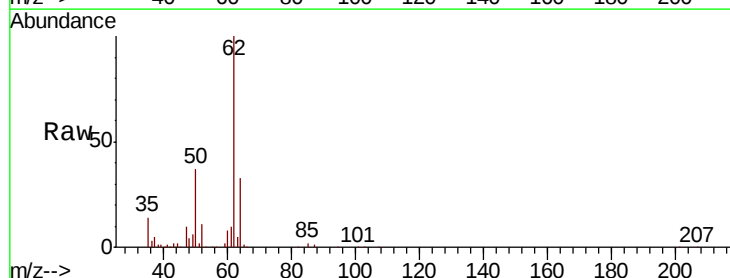
Acq: 3 Jan 2019 17:11

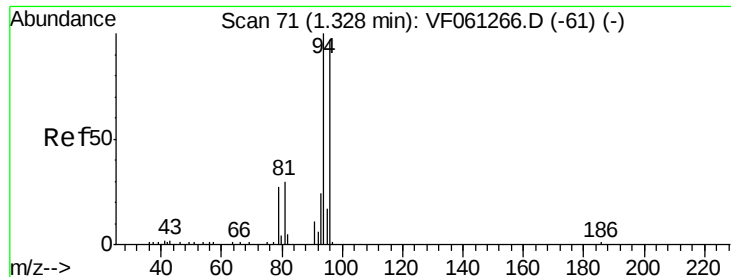
Tgt Ion: 62 Resp: 341705

Ion Ratio Lower Upper

62 100

64 32.8 26.9 40.3





#5

Bromomethane

Concen: 145.647 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

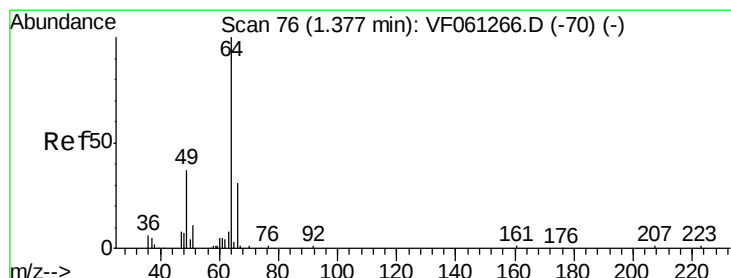
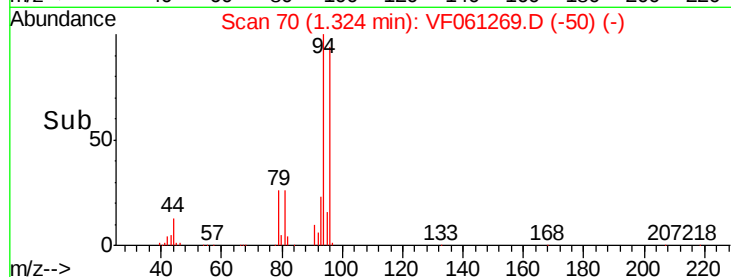
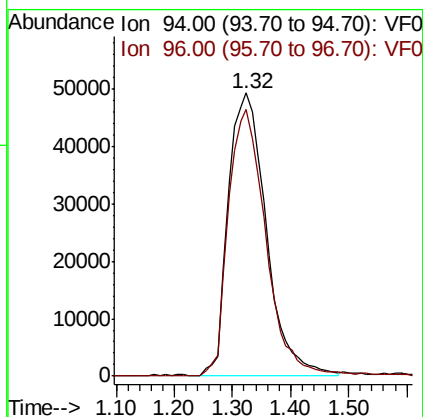
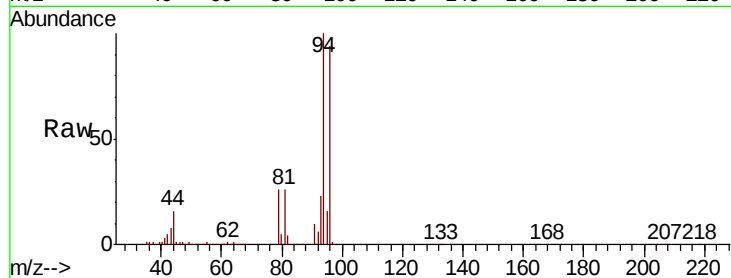
VSTDIC150

Tgt Ion: 94 Resp: 225121

Ion Ratio Lower Upper

94 100

96 94.1 77.2 115.8



#6

Chloroethane

Concen: 139.488 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF061269.D

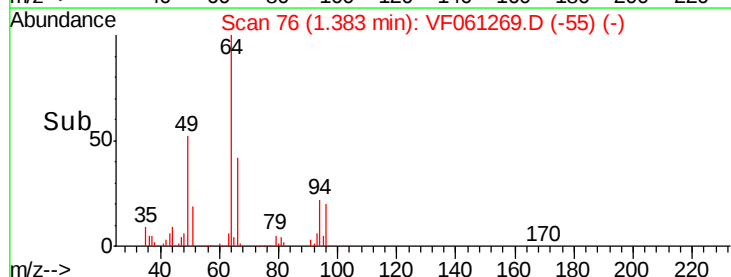
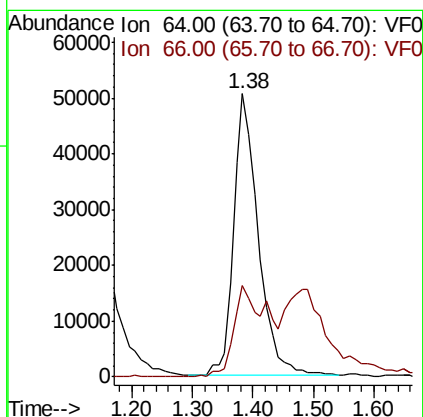
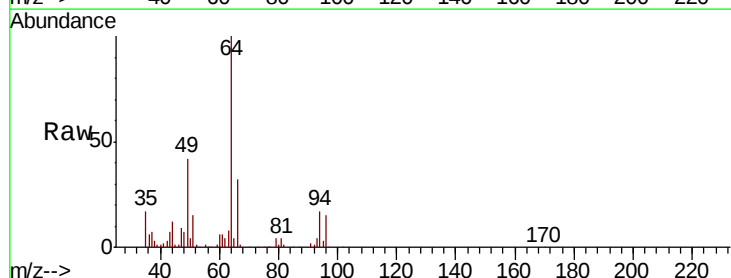
Acq: 3 Jan 2019 17:11

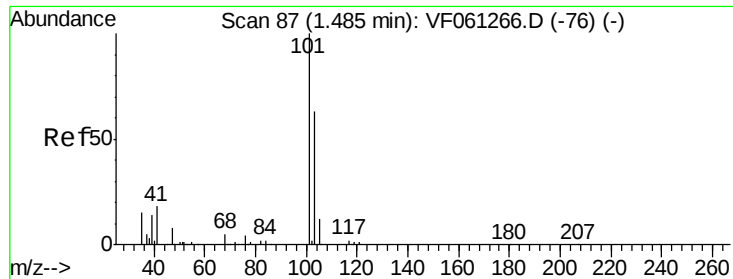
Tgt Ion: 64 Resp: 142907

Ion Ratio Lower Upper

64 100

66 32.1 25.2 37.8





#7

Trichlorofluoromethane

Concen: 150.119 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.00 min

Lab File: VF061269.D

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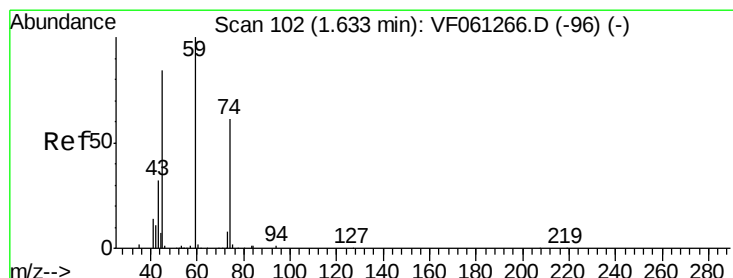
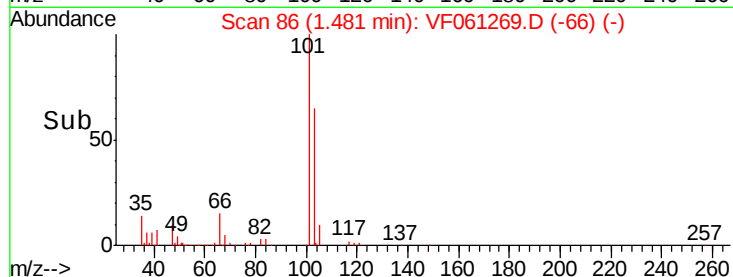
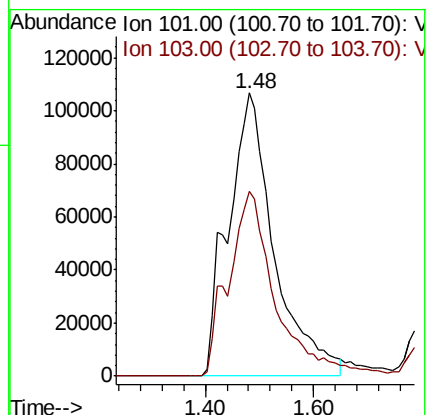
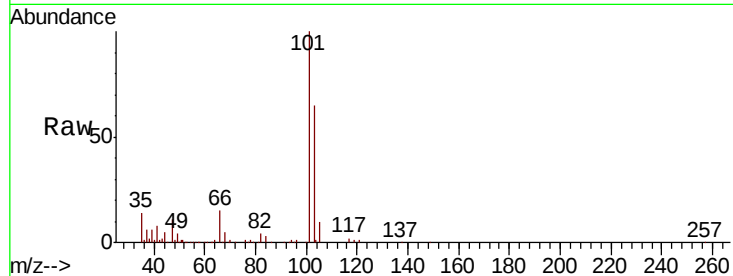
VSTDIC150

Tgt Ion:101 Resp: 631358

Ion Ratio Lower Upper

101 100

103 65.2 50.3 75.5



#8

Diethyl Ether

Concen: 152.350 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061269.D

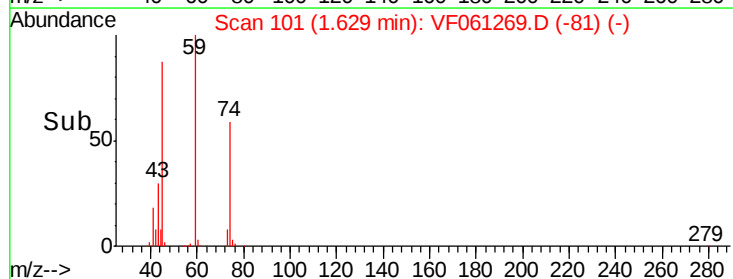
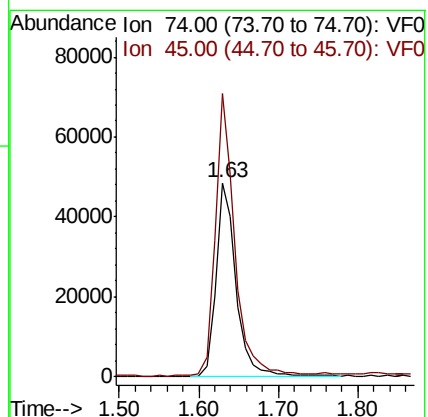
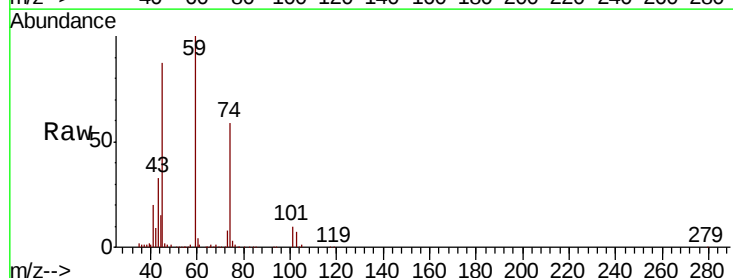
Acq: 3 Jan 2019 17:11

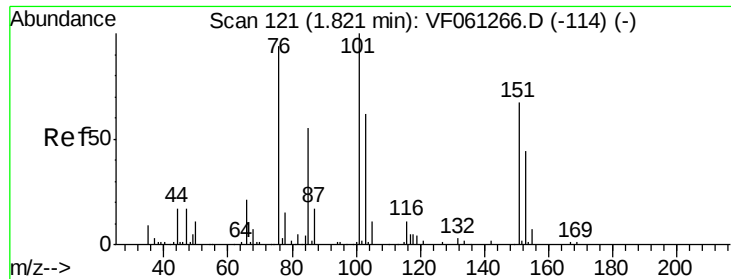
Tgt Ion: 74 Resp: 87056

Ion Ratio Lower Upper

74 100

45 146.0 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.950 ug/l

RT: 1.83 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF061269.D

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VSTDIC150

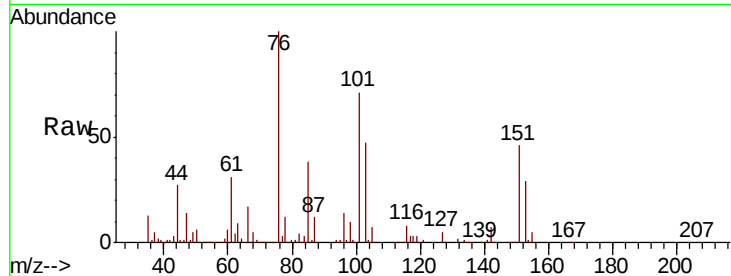
Tgt Ion:101 Resp: 290075

Ion Ratio Lower Upper

101 100

85 53.9 42.9 64.3

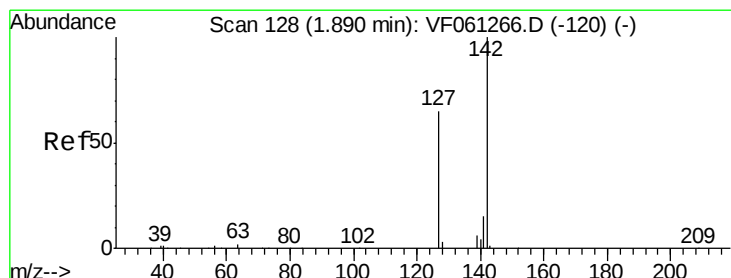
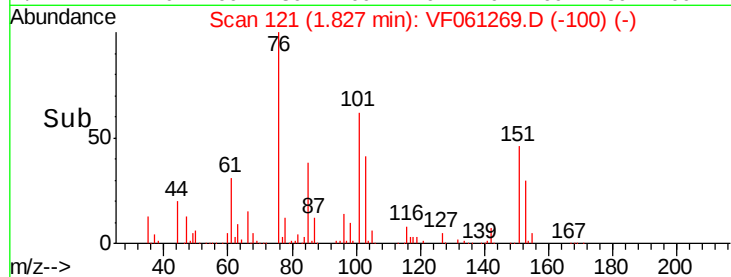
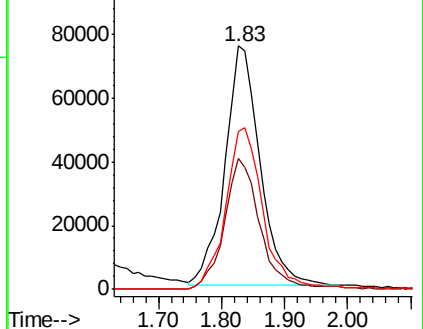
151 64.9 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 118.838 ug/l

RT: 1.91 min Scan# 129

Delta R.T. 0.02 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

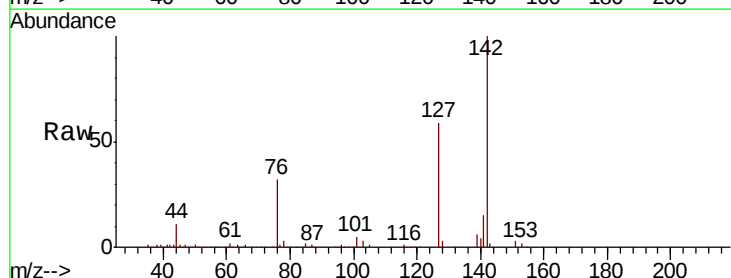
Tgt Ion:142 Resp: 409790

Ion Ratio Lower Upper

142 100

127 58.7 52.3 78.5

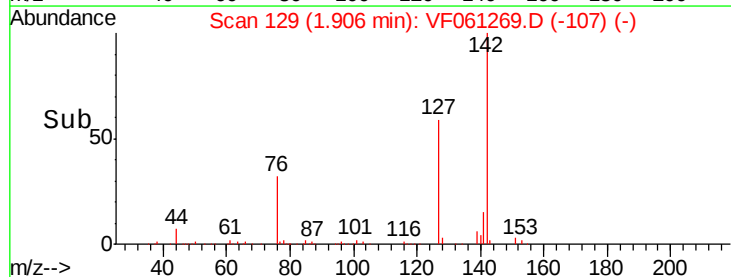
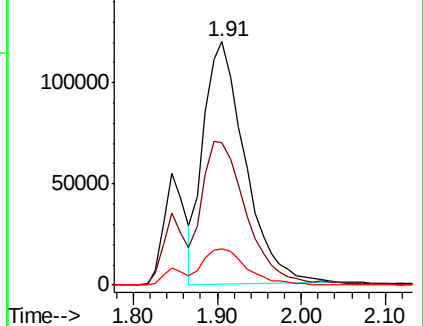
141 15.0 12.2 18.4

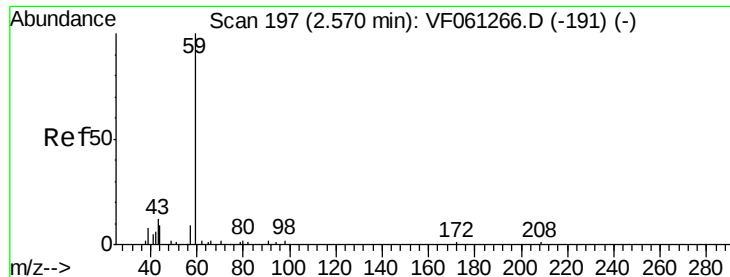


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

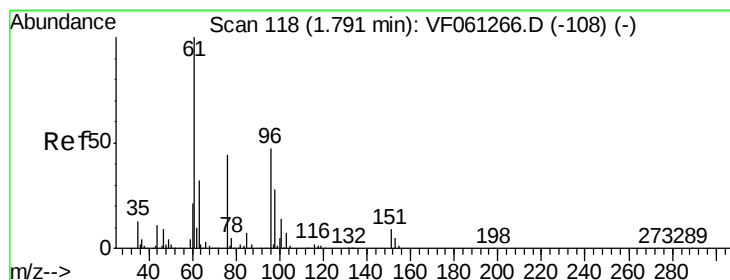
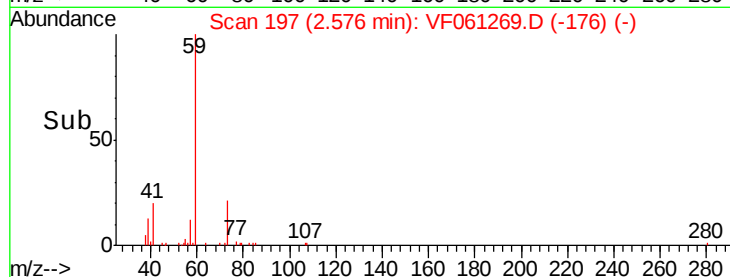
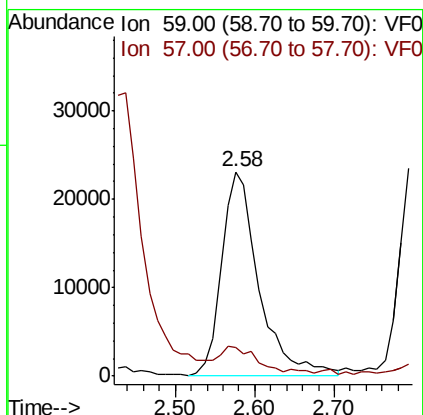
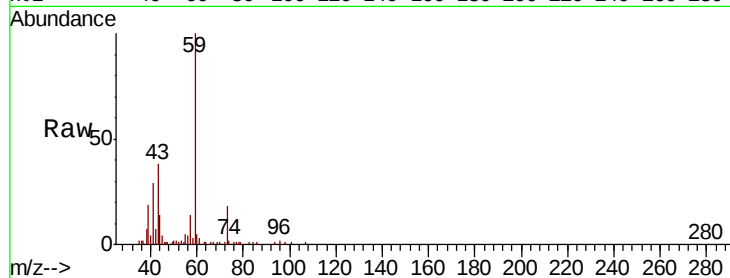




#11
Tert butyl alcohol
Concen: 798.731 ug/l
RT: 2.58 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

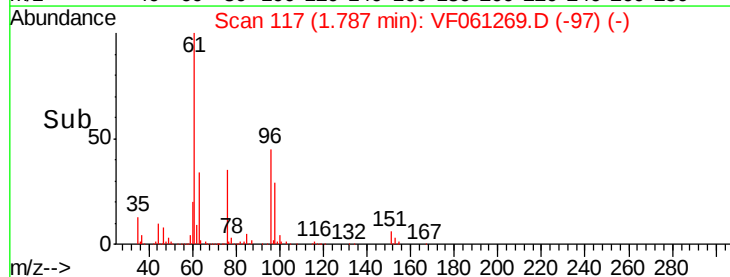
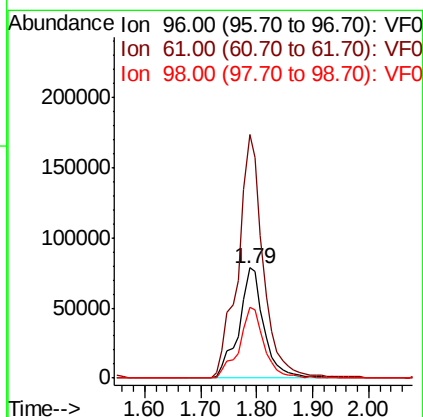
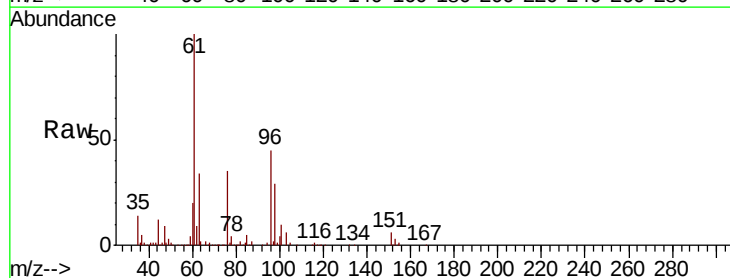
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

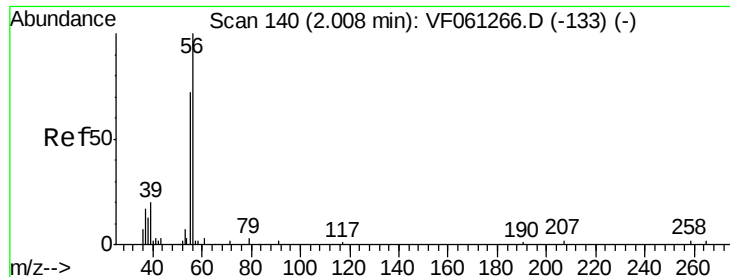
Tgt Ion: 59 Resp: 76264
Ion Ratio Lower Upper
59 100
57 14.3 12.6 18.8



#12
1,1-Dichloroethene
Concen: 148.944 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion: 96 Resp: 245440
Ion Ratio Lower Upper
96 100
61 221.1 171.6 257.4
98 64.2 48.6 72.8





#13

Acrolein

Concen: 865.409 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

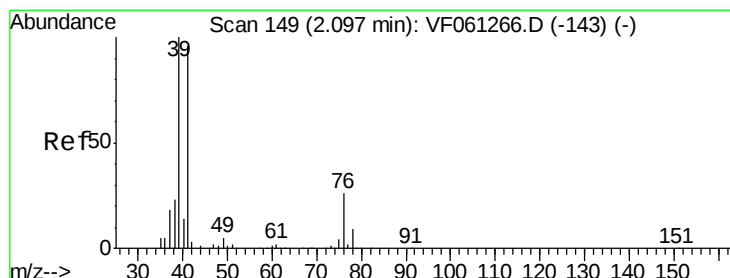
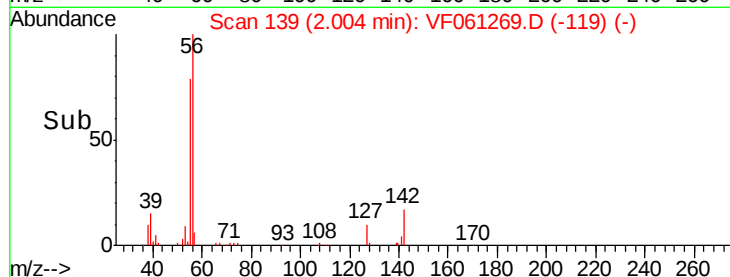
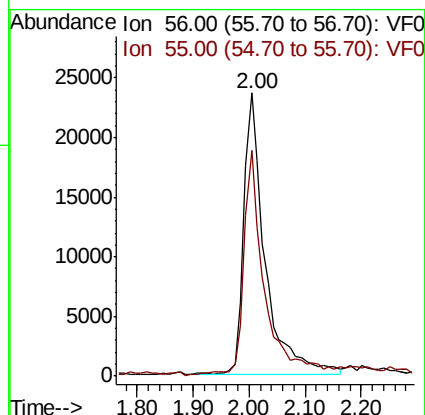
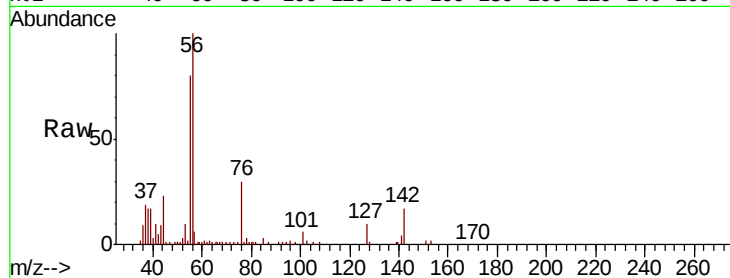
VSTDIC150

Tgt Ion: 56 Resp: 61983

Ion Ratio Lower Upper

56 100

55 79.7 59.7 89.5



#14

Allyl chloride

Concen: 193.448 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

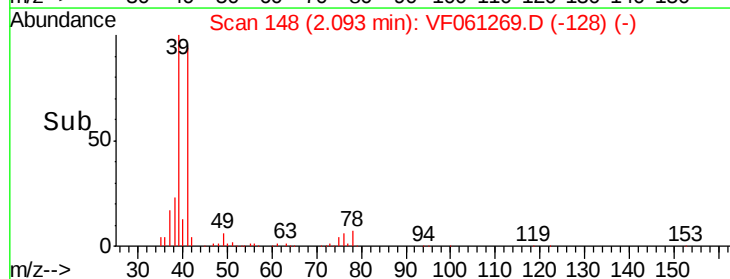
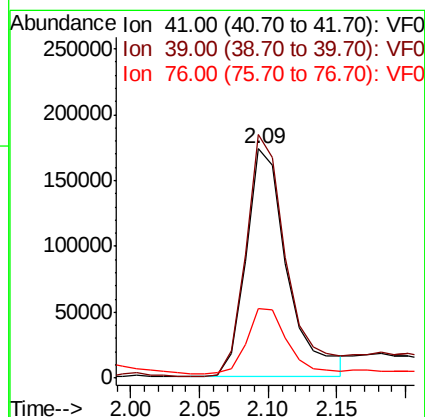
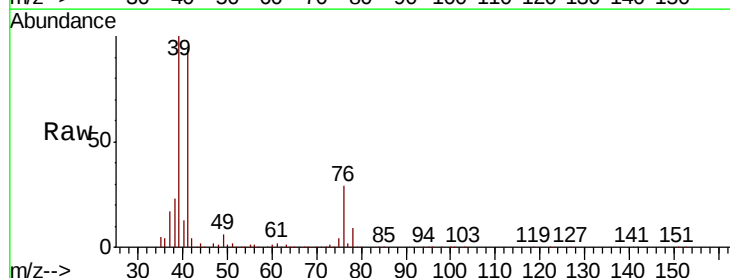
Tgt Ion: 41 Resp: 363729

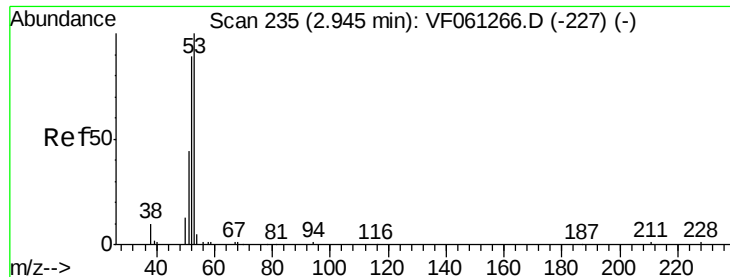
Ion Ratio Lower Upper

41 100

39 106.2 83.4 125.2

76 30.5 23.9 35.9





#15

Acrylonitrile

Concen: 892.425 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

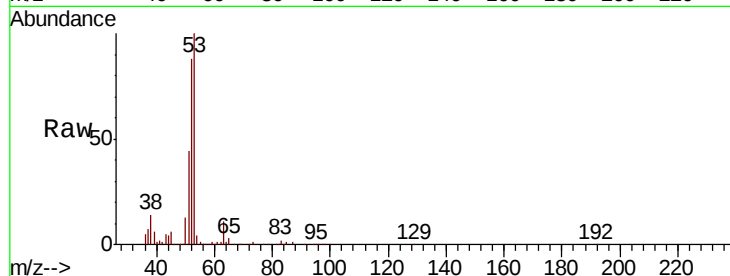
Tgt Ion: 53 Resp: 201224

Ion Ratio Lower Upper

53 100

52 87.9 71.3 106.9

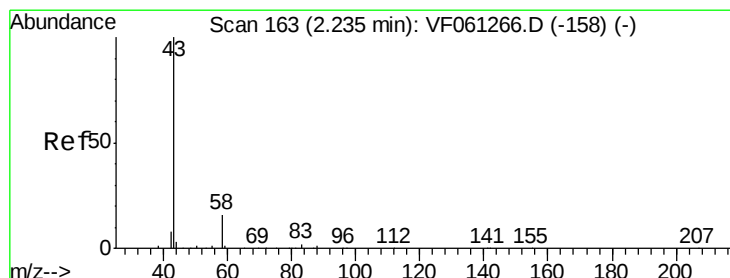
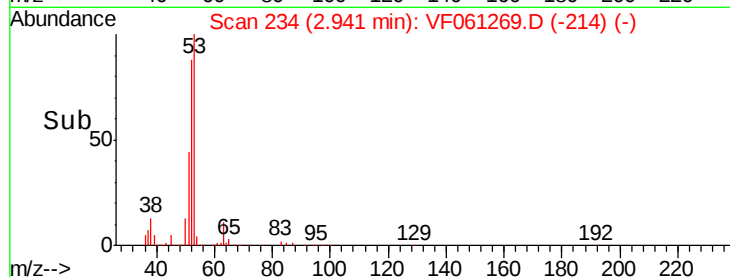
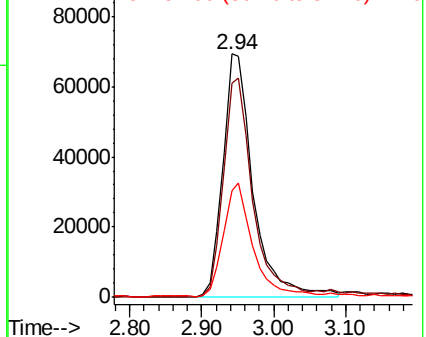
51 44.0 36.2 54.4



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: 645.257 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061269.D

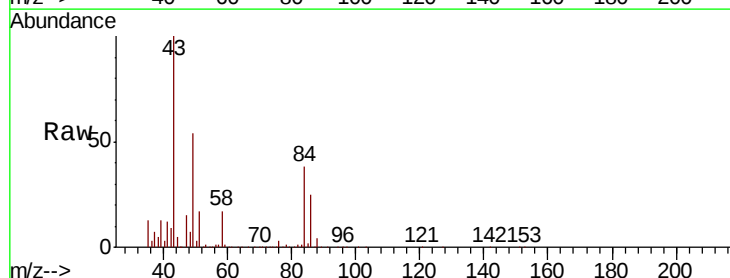
Acq: 3 Jan 2019 17:11

Tgt Ion: 43 Resp: 293763

Ion Ratio Lower Upper

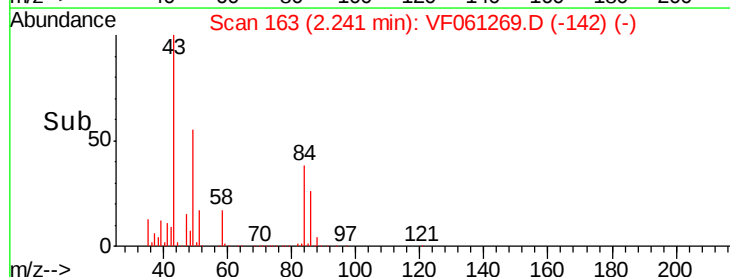
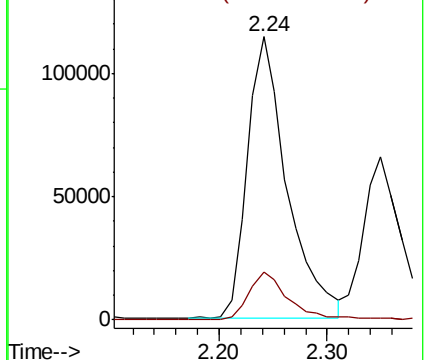
43 100

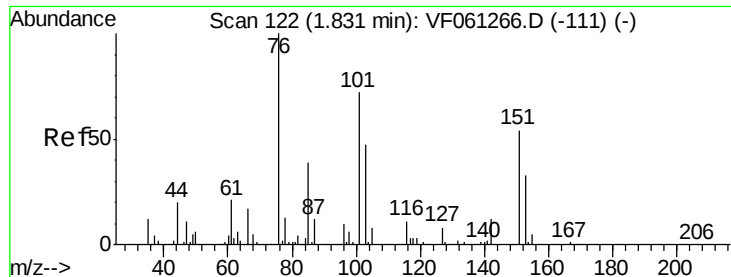
58 17.0 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

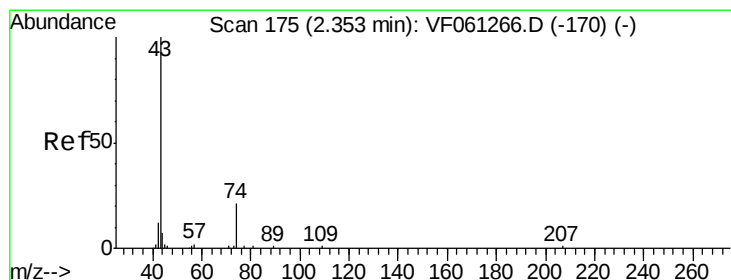
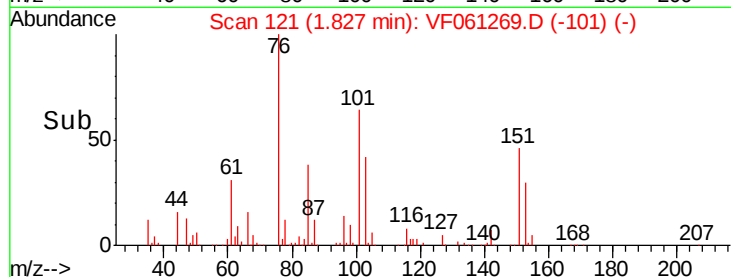
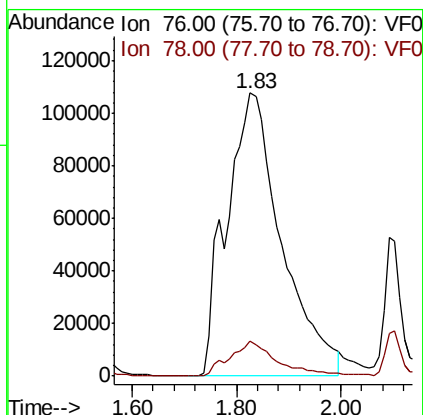
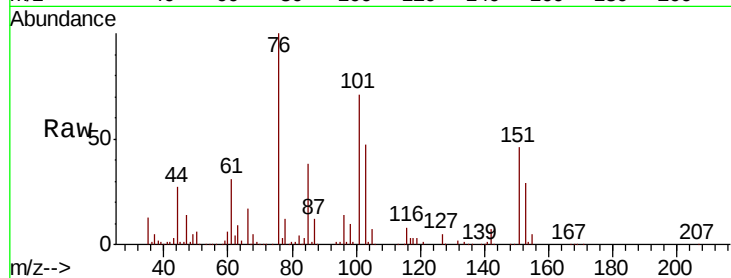




#17
Carbon Disulfide
Concen: 153.608 ug/l
RT: 1.83 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

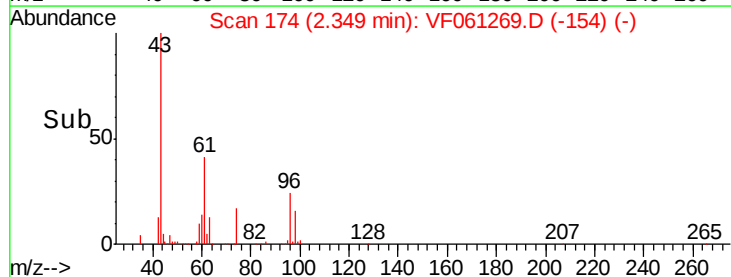
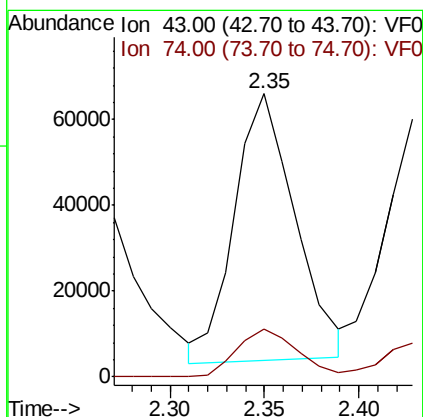
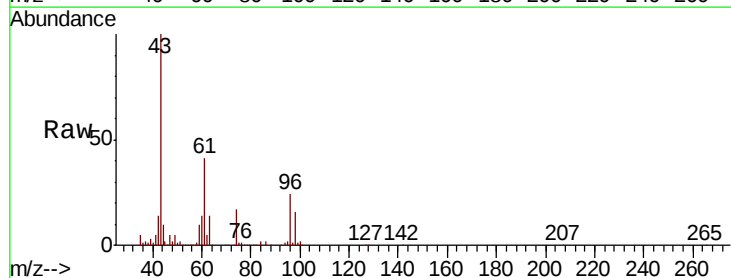
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

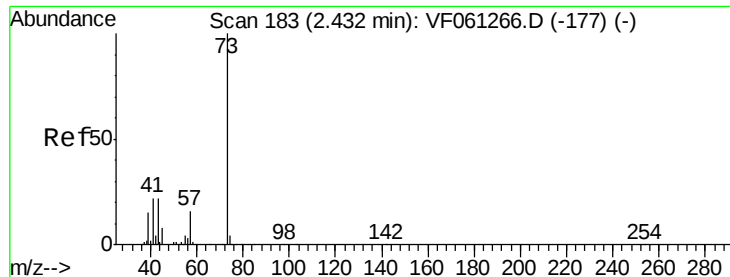
Tgt Ion: 76 Resp: 775868
Ion Ratio Lower Upper
76 100
78 12.3 10.2 15.4



#18
Methyl Acetate
Concen: 140.270 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion: 43 Resp: 138915
Ion Ratio Lower Upper
43 100
74 17.0 14.4 21.6



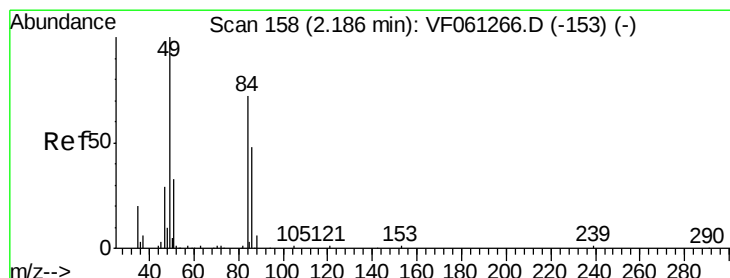
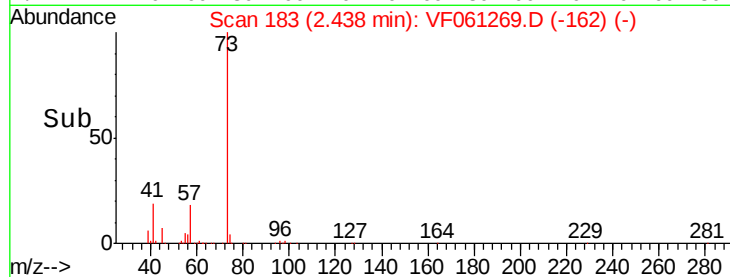
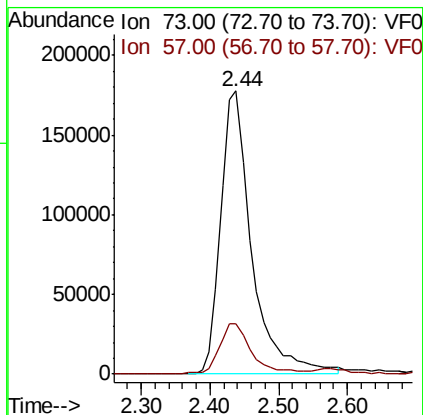
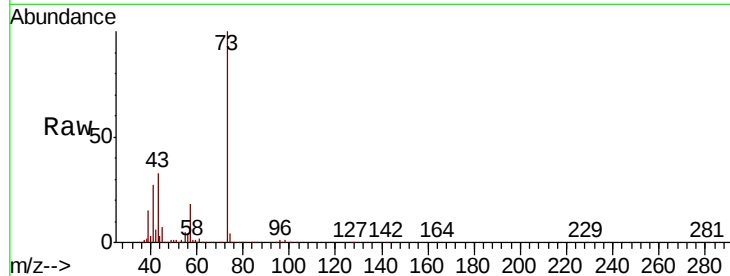


#19

Methyl tert-butyl Ether
 Concen: 154.943 ug/l
 RT: 2.44 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

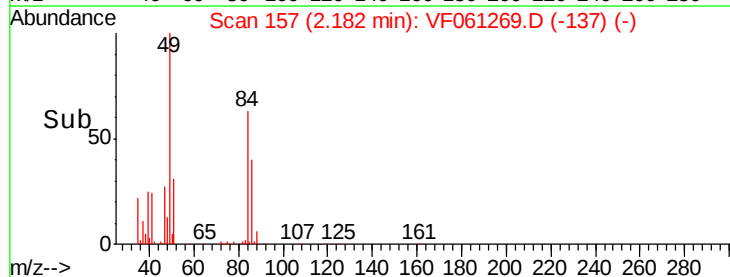
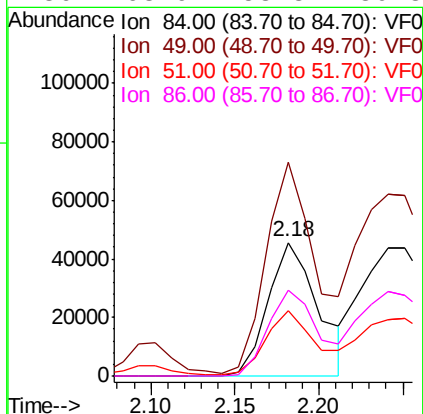
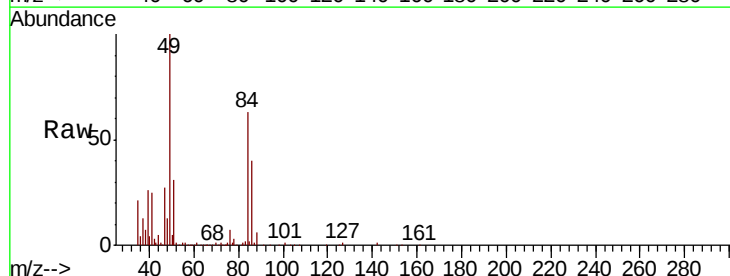
Tgt Ion: 73 Resp: 557970
 Ion Ratio Lower Upper
 73 100
 57 18.0 14.0 21.0

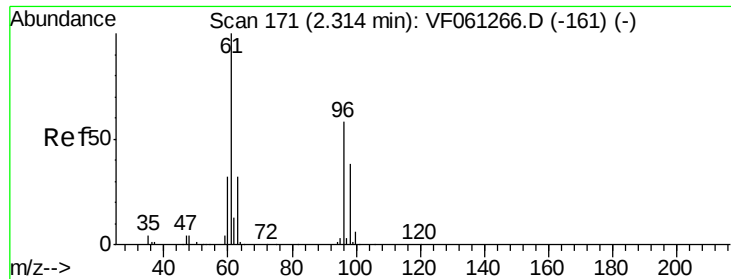


#20

Methylene Chloride
 Concen: 51.740 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.00 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion: 84 Resp: 93948
 Ion Ratio Lower Upper
 84 100
 49 159.7 112.9 169.3
 51 49.1 37.9 56.9
 86 63.9 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 153.478 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

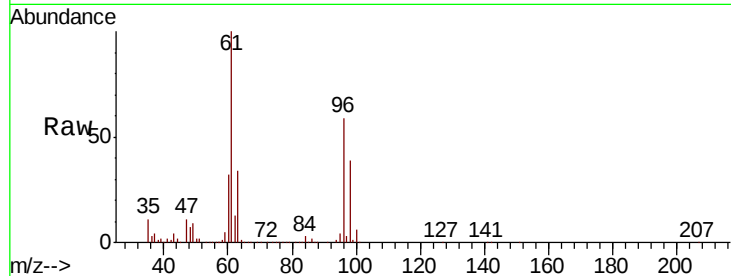
Tgt Ion: 96 Resp: 275057

Ion Ratio Lower Upper

96 100

61 170.2 139.3 208.9

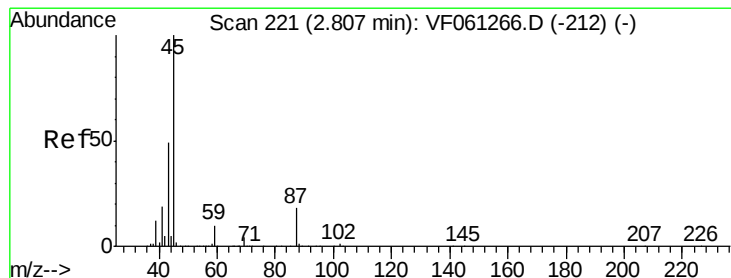
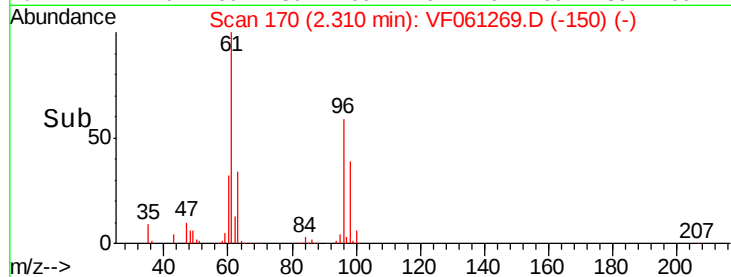
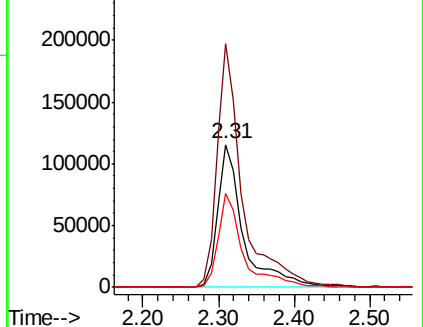
98 66.0 52.6 78.8



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: 166.489 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion: 45 Resp: 958557

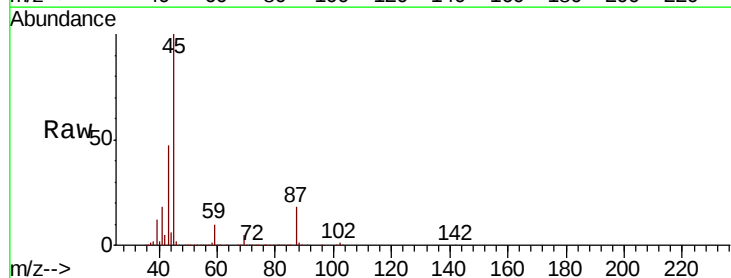
Ion Ratio Lower Upper

45 100

43 46.9 39.5 59.3

87 18.2 14.8 22.2

59 9.7 7.8 11.8

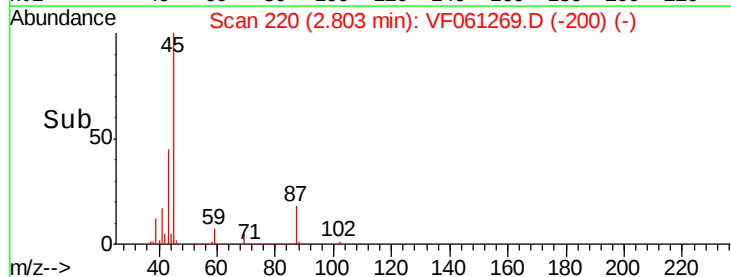
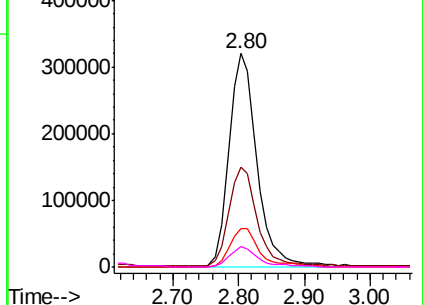


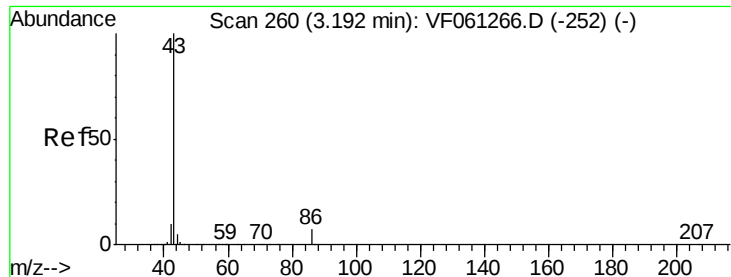
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 777.611 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

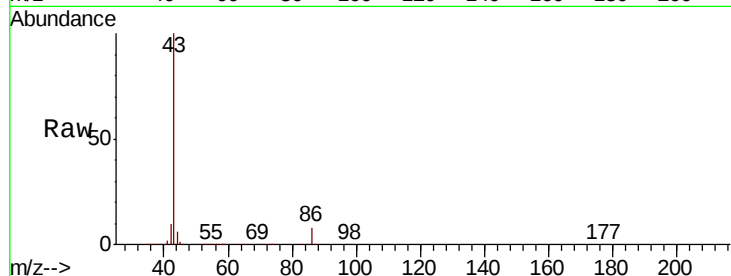
VSTDIC150

Tgt Ion: 43 Resp: 2043202

Ion Ratio Lower Upper

43 100

86 8.0 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

800000

600000

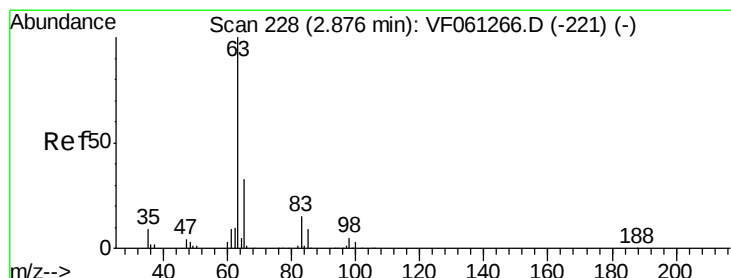
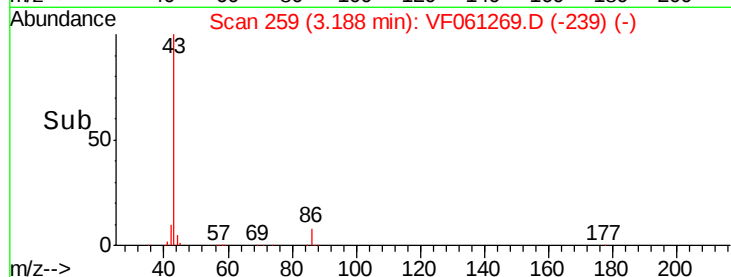
400000

200000

0

3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 158.715 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

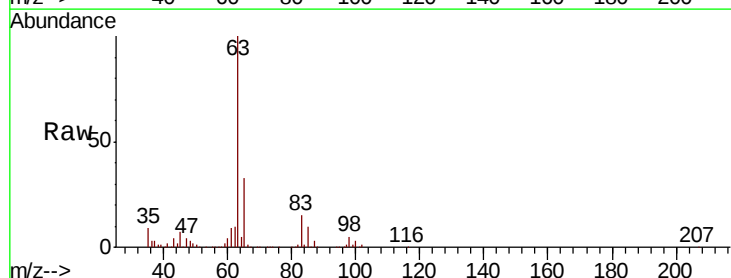
Tgt Ion: 63 Resp: 543276

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.5

100 3.4 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

250000

200000

150000

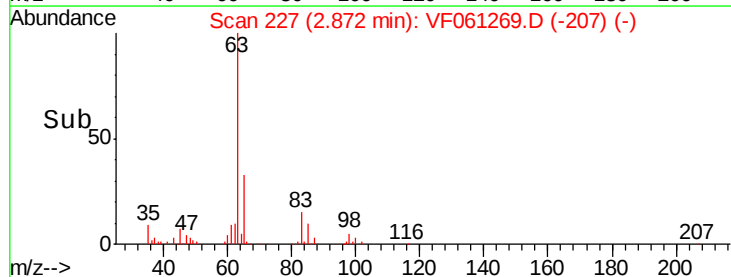
100000

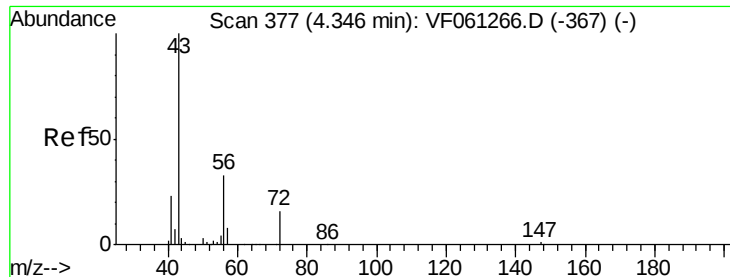
50000

0

2.70 2.80 2.90 3.00 3.10

Time-->





#25

2-Butanone

Concen: 747.581 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

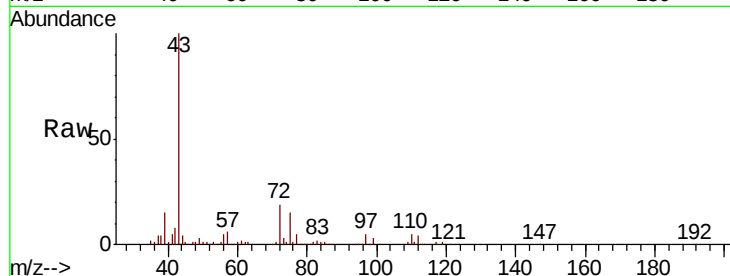
VSTDIC150

Tgt Ion: 43 Resp: 579015

Ion Ratio Lower Upper

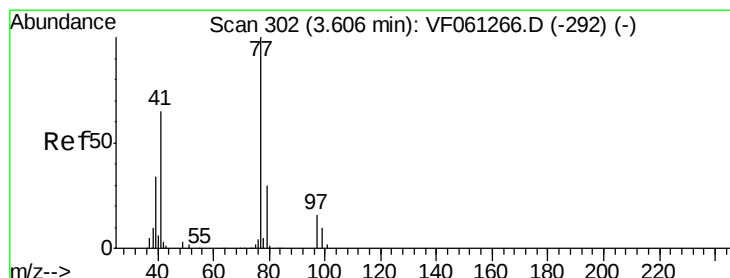
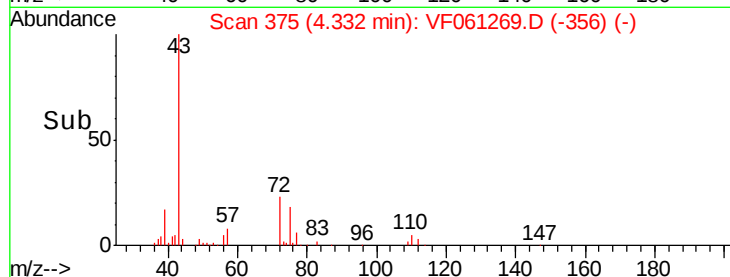
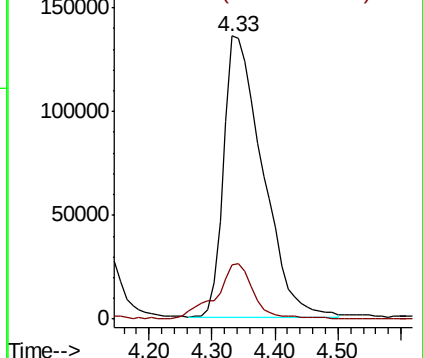
43 100

72 19.2 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: 146.091 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF061269.D

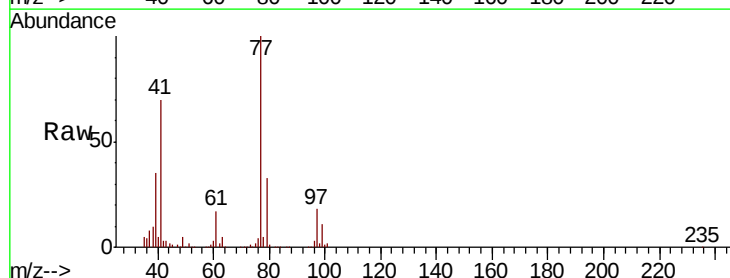
Acq: 3 Jan 2019 17:11

Tgt Ion: 77 Resp: 288892

Ion Ratio Lower Upper

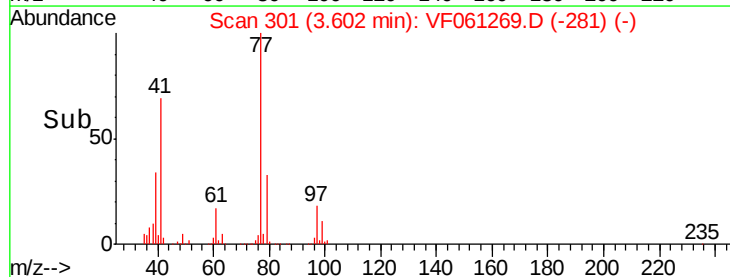
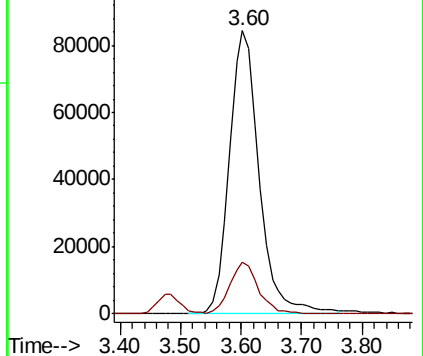
77 100

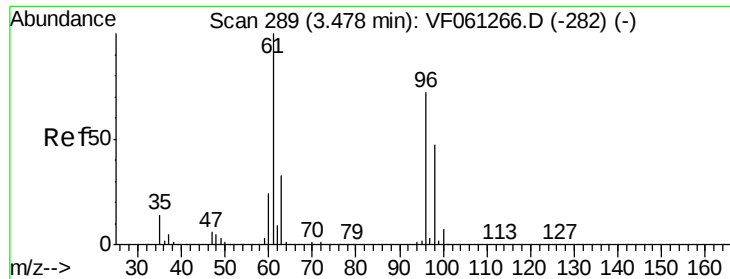
97 18.5 8.9 26.7



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



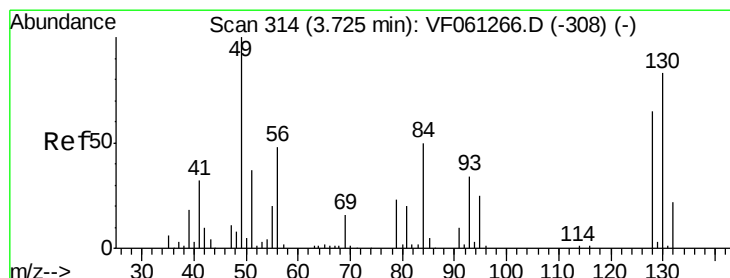
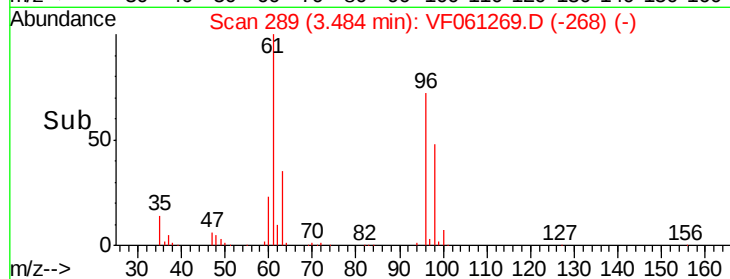
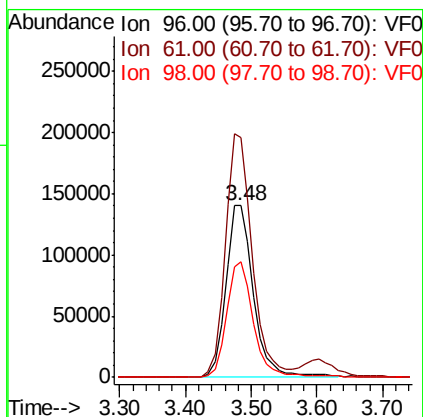
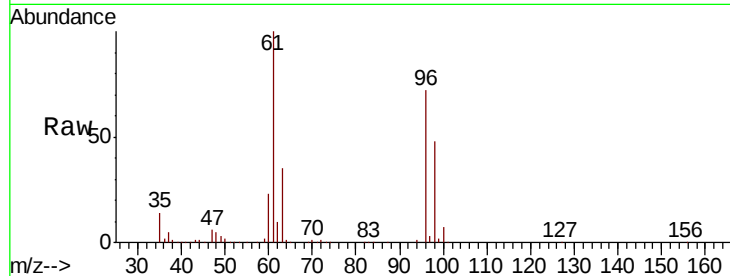


#27

cis-1,2-Dichloroethene
 Concen: 151.259 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

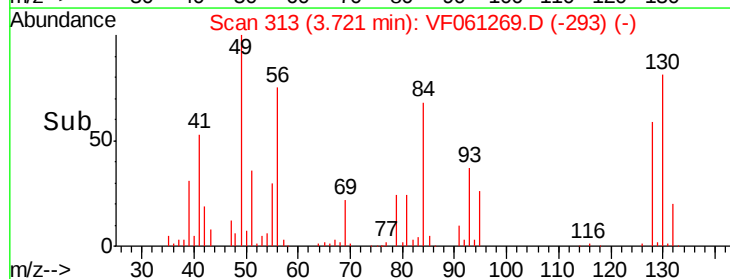
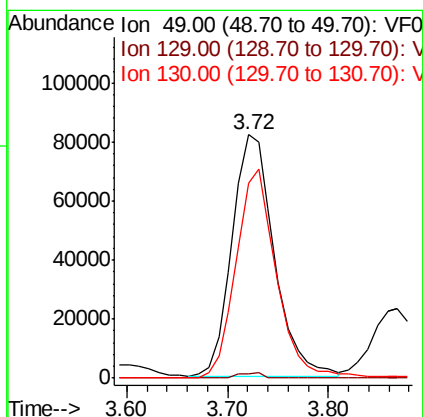
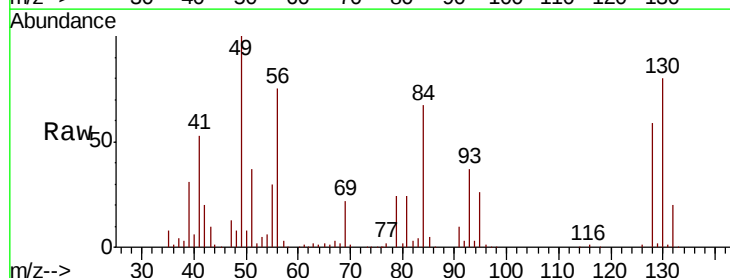
Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	277.8
98	67.3	0.0	130.8

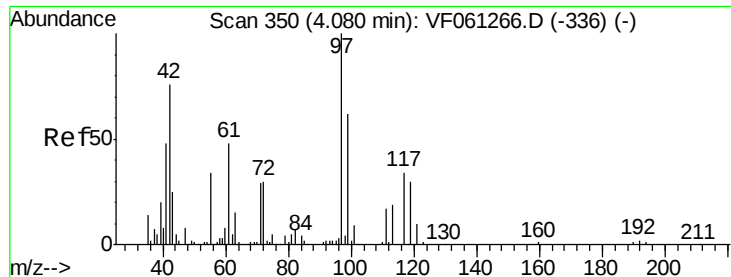


#28

Bromochloromethane
 Concen: 141.440 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.4
130	80.2	65.7	98.5





#29

Tetrahydrofuran

Concen: 767.485 ug/l

RT: 4.08 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

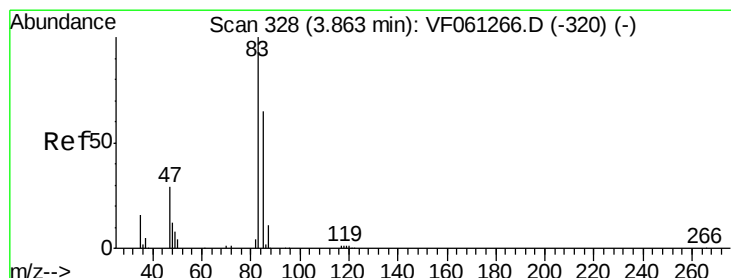
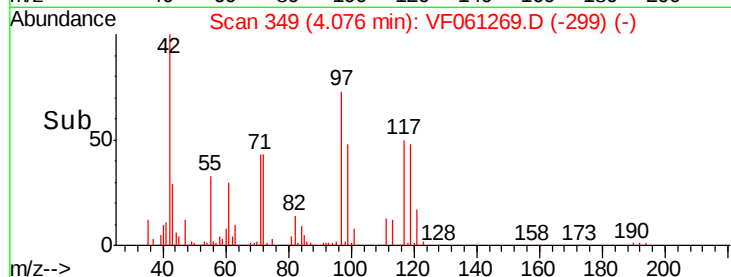
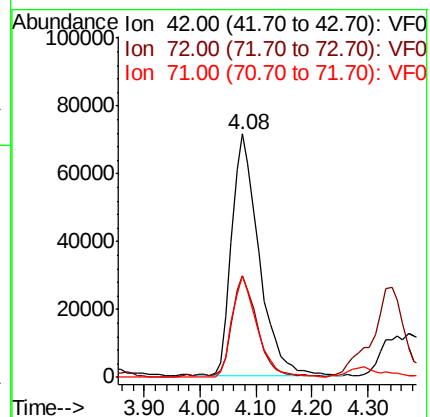
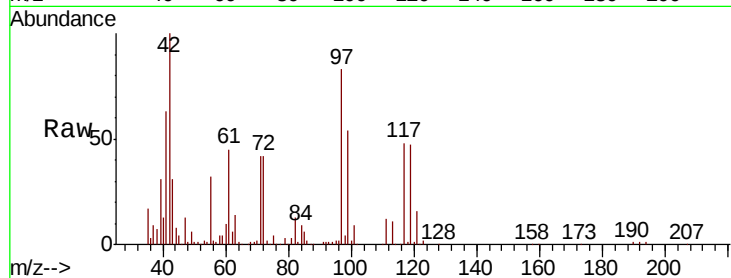
Tgt Ion: 42 Resp: 242481

Ion Ratio Lower Upper

42 100

72 38.4 29.2 43.8

71 38.4 29.1 43.7



#30

Chloroform

Concen: 142.661 ug/l

RT: 3.87 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF061269.D

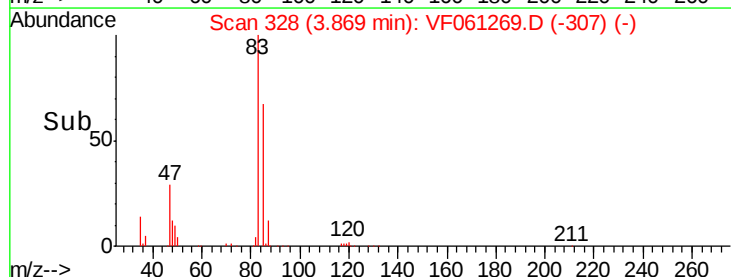
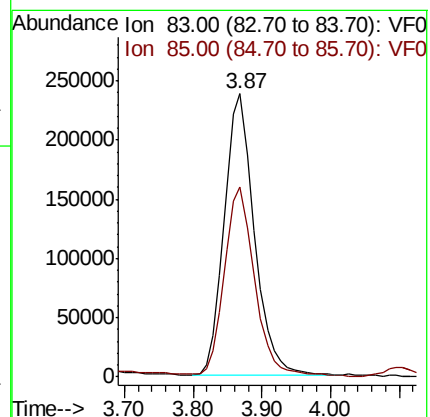
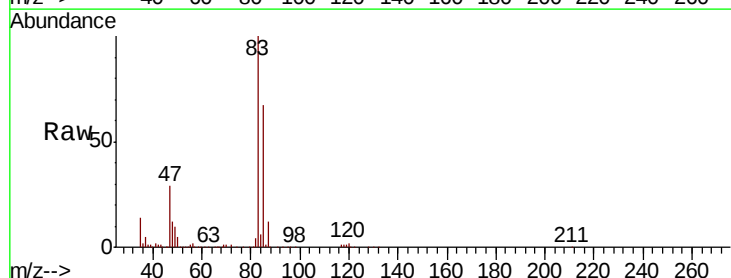
Acq: 3 Jan 2019 17:11

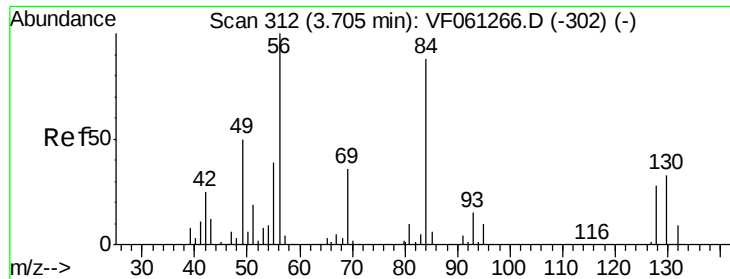
Tgt Ion: 83 Resp: 722623

Ion Ratio Lower Upper

83 100

85 67.0 52.2 78.4

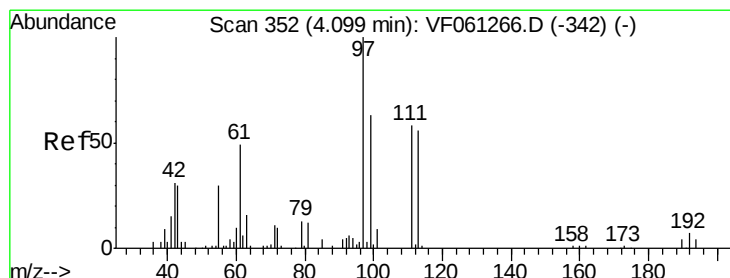
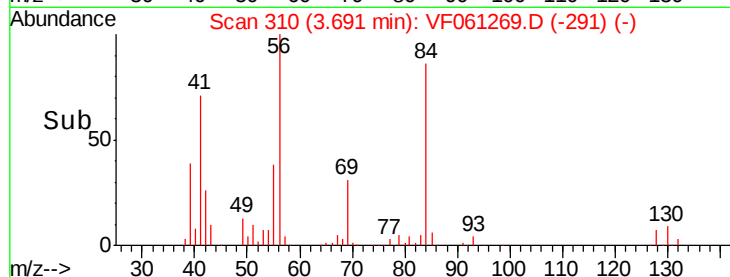
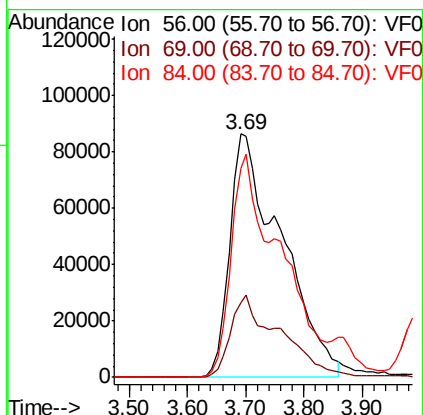
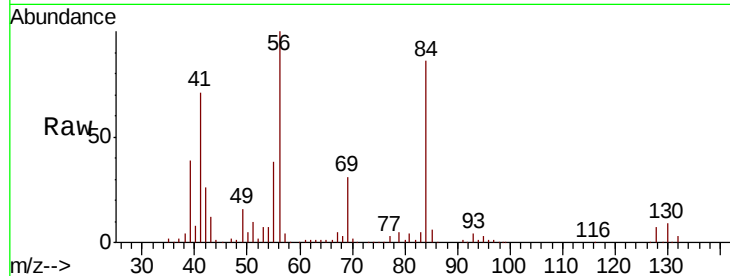




#31
Cyclohexane
Concen: 148.912 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

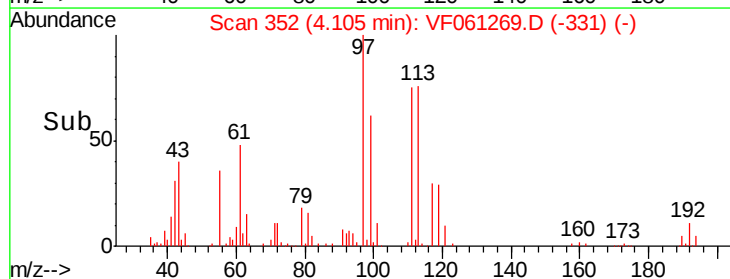
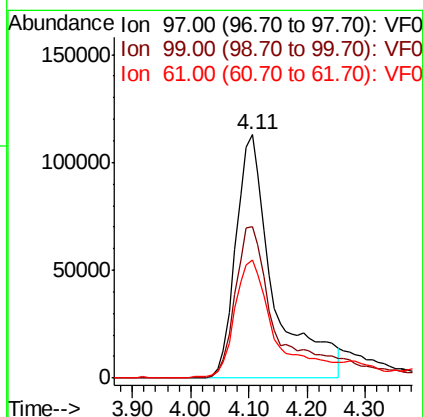
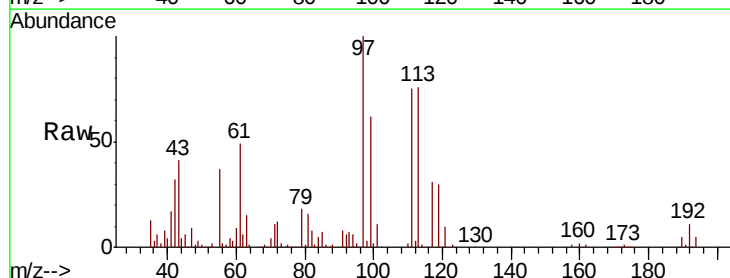
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

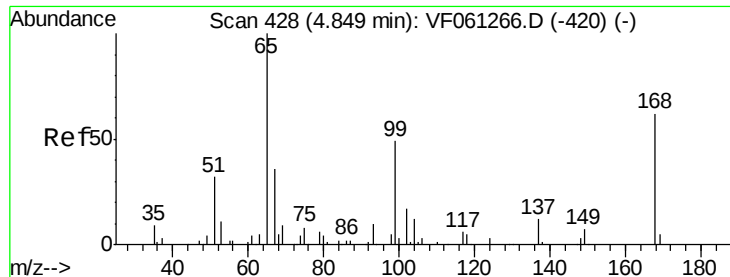
Tgt Ion: 56 Resp: 533920
Ion Ratio Lower Upper
56 100
69 30.9 28.7 43.1
84 85.7 70.6 106.0



#32
1,1,1-Trichloroethane
Concen: 161.598 ug/l
RT: 4.11 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion: 97 Resp: 510858
Ion Ratio Lower Upper
97 100
99 62.5 50.6 76.0
61 48.8 39.6 59.4





#33

1,2-Dichloroethane-d4

Concen: 154.086 ug/l

RT: 4.85 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

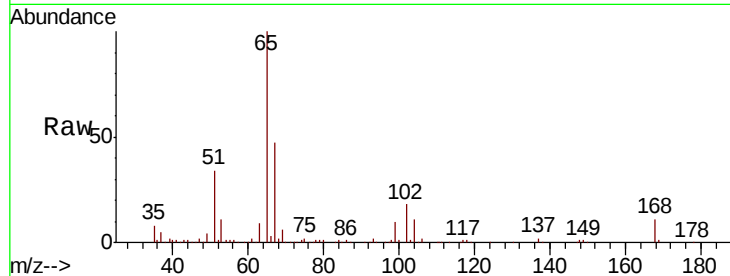
VSTDIC150

Tgt Ion: 65 Resp: 368393

Ion Ratio Lower Upper

65 100

67 47.4 0.0 90.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

150000

100000

50000

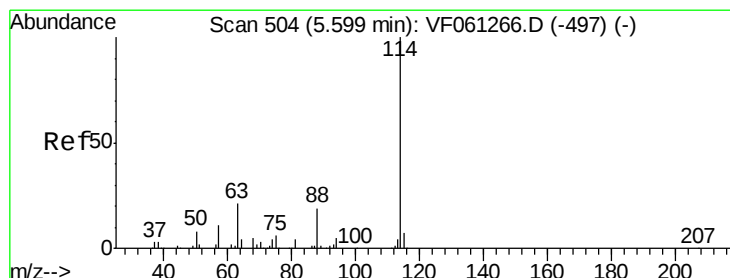
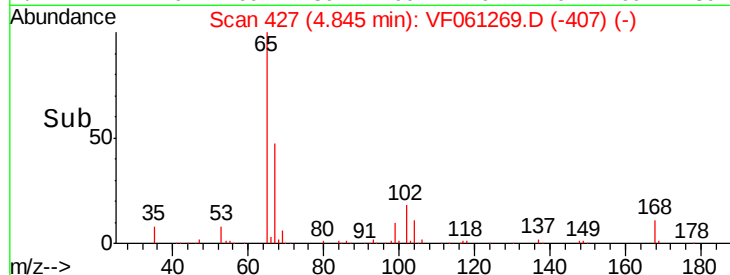
0

4.85

4.80

4.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

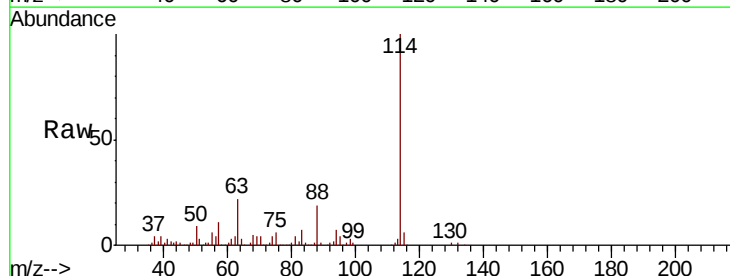
Tgt Ion: 114 Resp: 338007

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 19.2 0.0 38.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150000

100000

50000

0

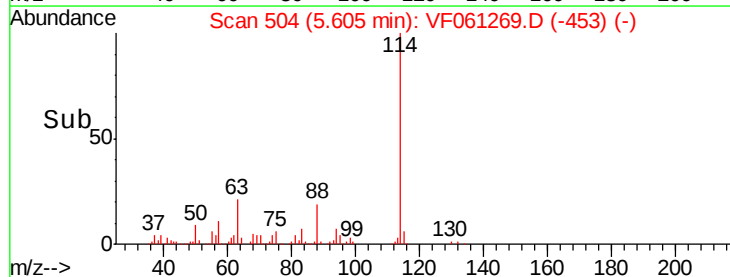
5.60

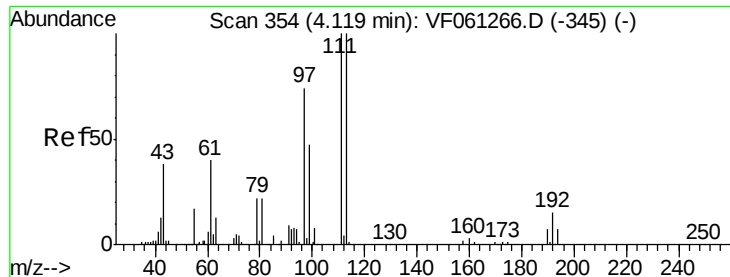
5.50

5.70

5.80

Time-->

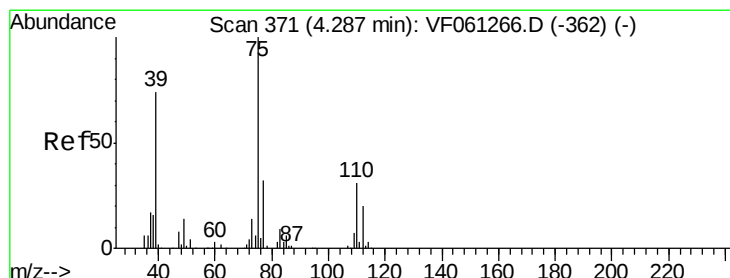
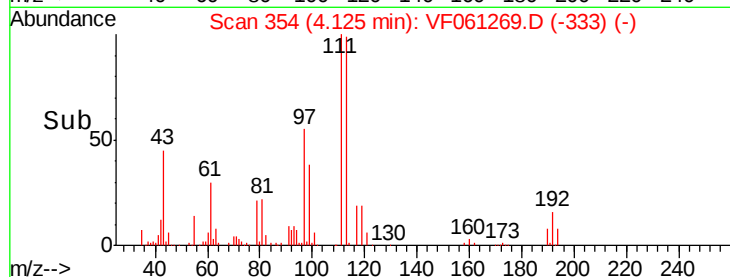
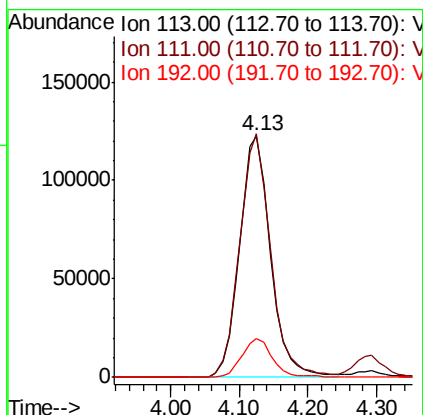
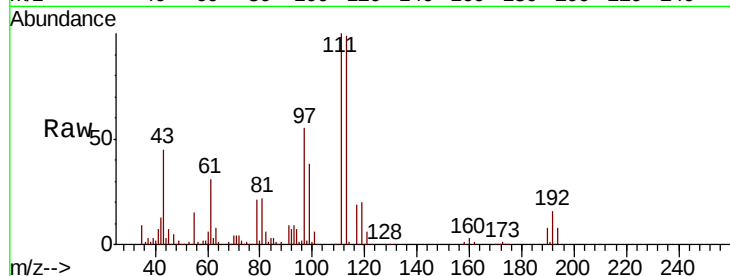




#35
 Dibromofluoromethane
 Concen: 142.122 ug/l
 RT: 4.13 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

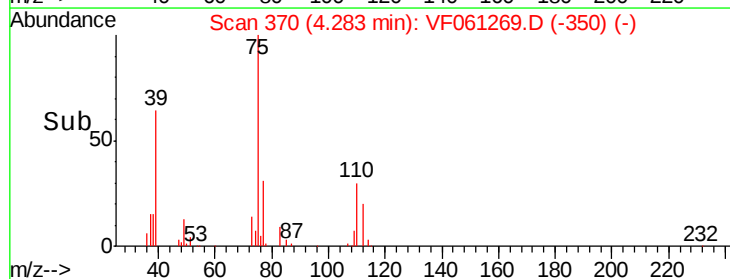
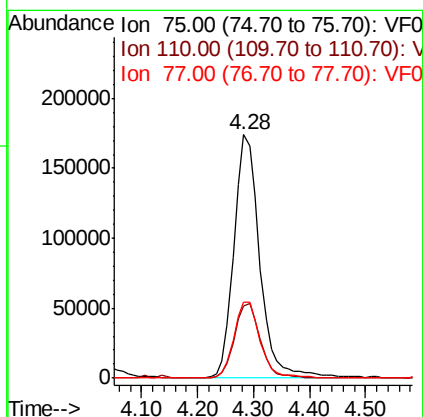
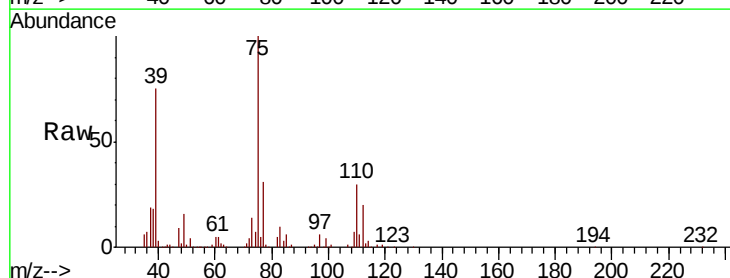
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

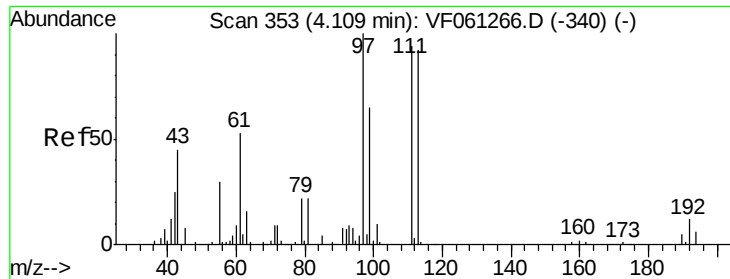
Tgt Ion: 113 Resp: 383831
 Ion Ratio Lower Upper
 113 100
 111 100.8 79.8 119.6
 192 16.3 11.9 17.9



#36
 1,1-Dichloropropene
 Concen: 136.074 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion: 75 Resp: 556291
 Ion Ratio Lower Upper
 75 100
 110 29.8 15.4 46.4
 77 31.0 25.6 38.4

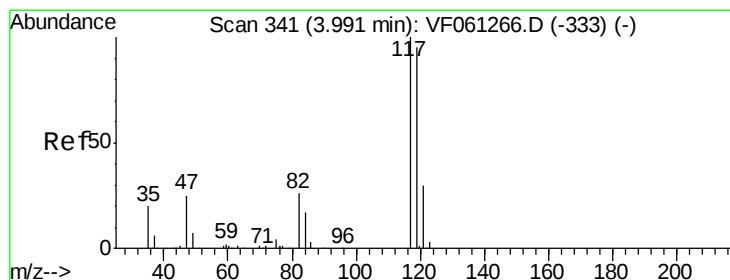
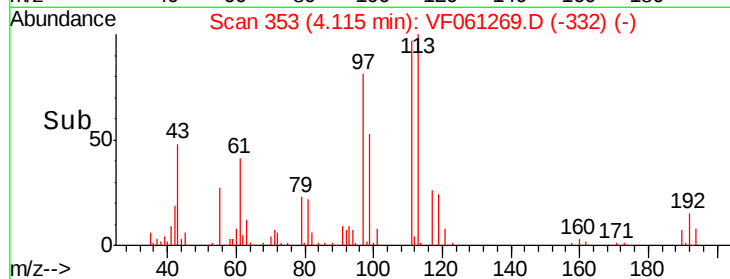
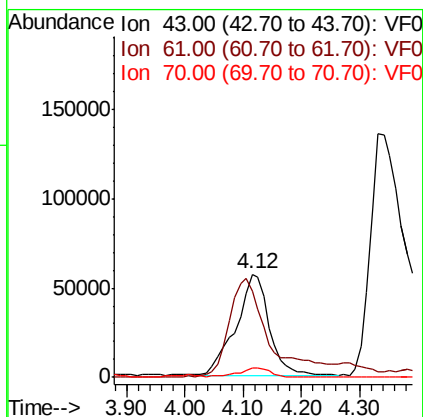
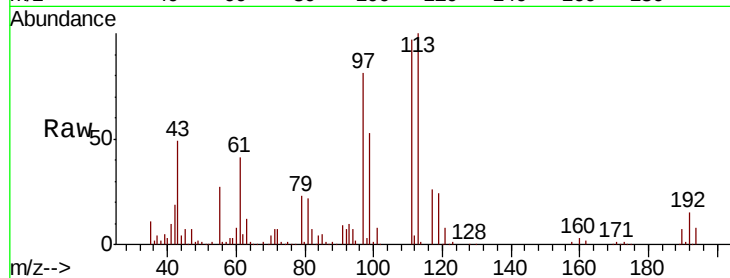




#37
Ethyl Acetate
Concen: 136.161 ug/l
RT: 4.12 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

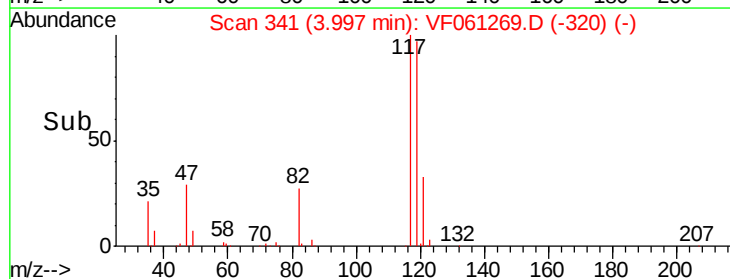
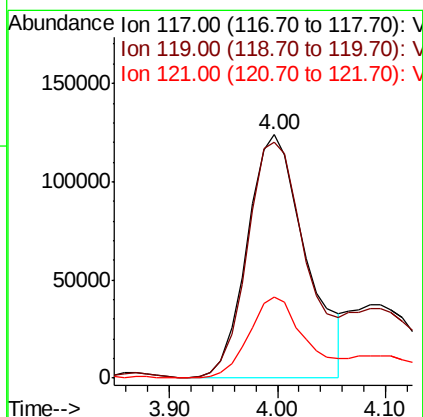
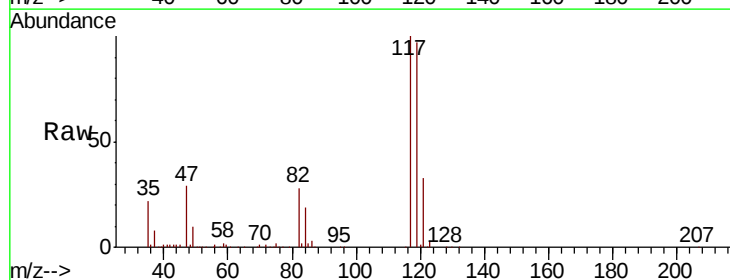
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

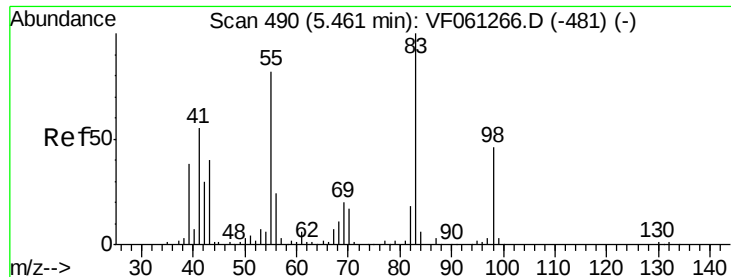
Tgt Ion: 43 Resp: 224747
Ion Ratio Lower Upper
43 100
61 83.4 91.2 136.8#
70 8.8 7.1 10.7



#38
Carbon Tetrachloride
Concen: 147.514 ug/l
RT: 4.00 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion: 117 Resp: 465115
Ion Ratio Lower Upper
117 100
119 96.7 76.0 114.0
121 33.4 23.8 35.8

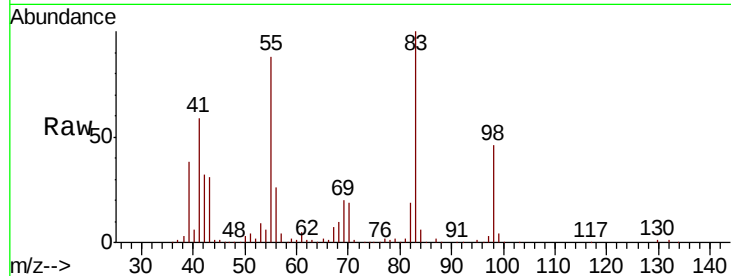




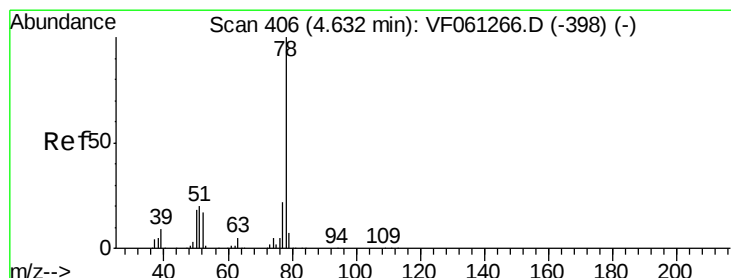
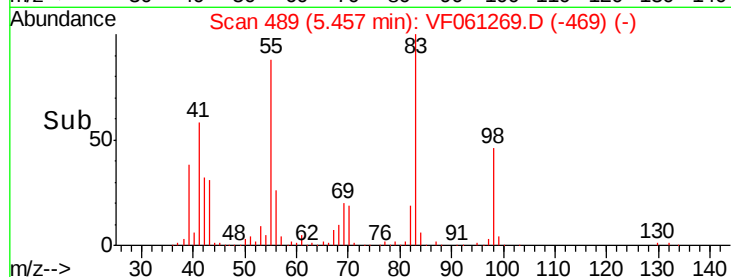
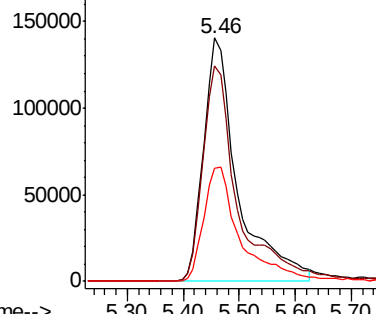
#39
Methylcyclohexane
Concen: 159.354 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 598542
Ion Ratio Lower Upper
83 100
55 88.4 65.6 98.4
98 46.2 36.7 55.1

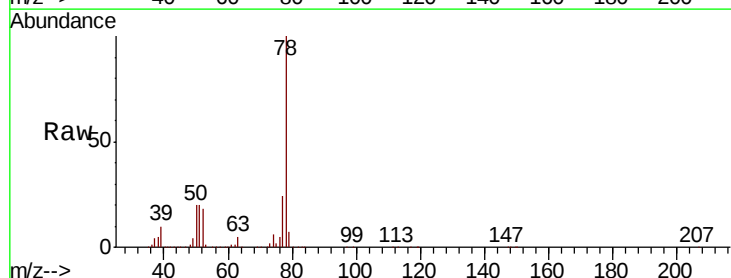


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

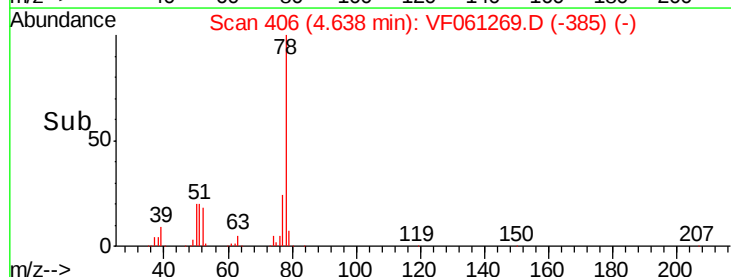
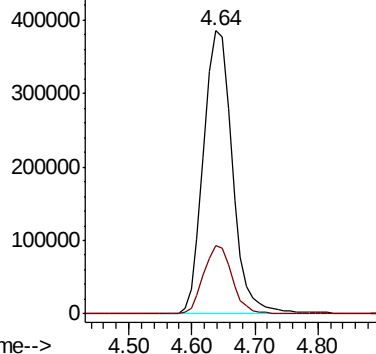


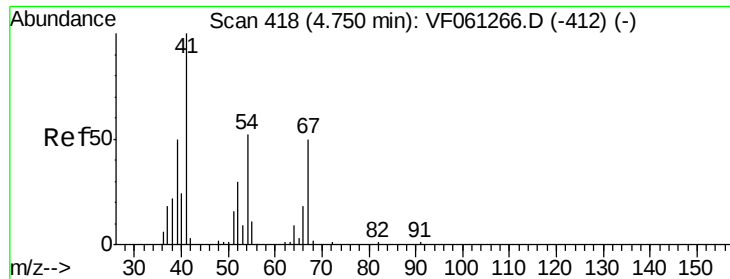
#40
Benzene
Concen: 138.604 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion: 78 Resp: 1226794
Ion Ratio Lower Upper
78 100
77 24.3 18.0 27.0



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





#41

Methacrylonitrile

Concen: 144.209 ug/l

RT: 4.76 min Scan# 418

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 121983

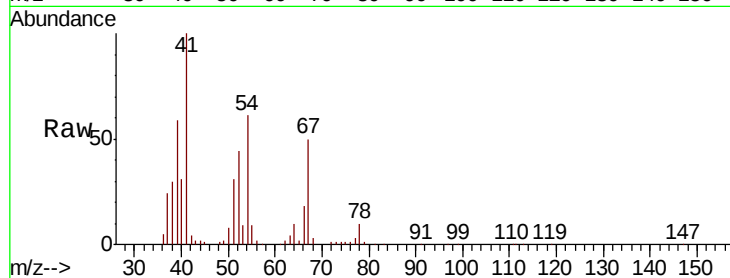
Ion Ratio Lower Upper

41 100

39 59.1 44.6 66.8

67 50.4 39.3 58.9

52 44.0 35.3 52.9

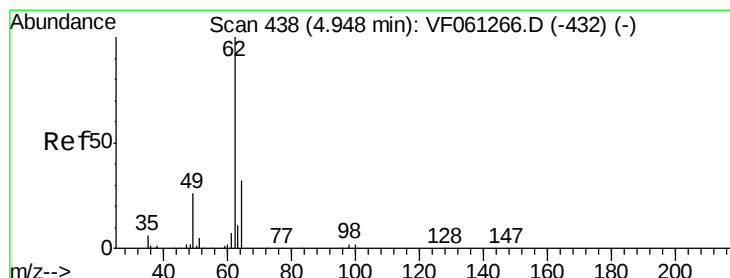
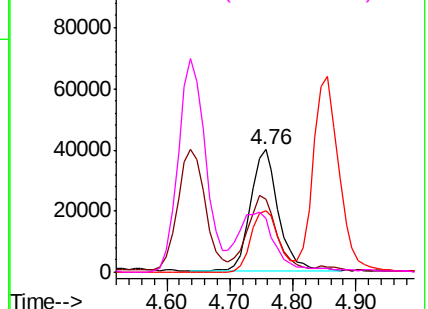
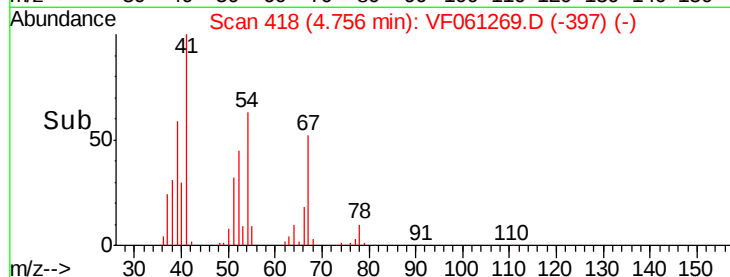


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 138.795 ug/l

RT: 4.95 min Scan# 438

Delta R.T. 0.01 min

Lab File: VF061269.D

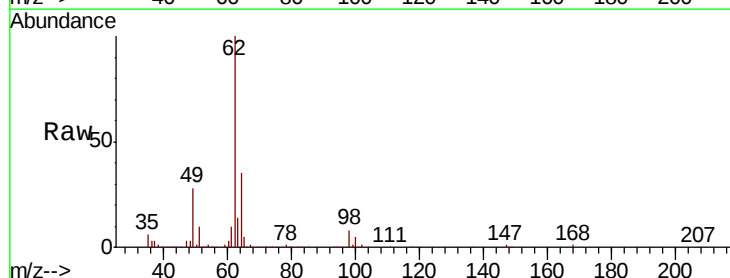
Acq: 3 Jan 2019 17:11

Tgt Ion: 62 Resp: 451502

Ion Ratio Lower Upper

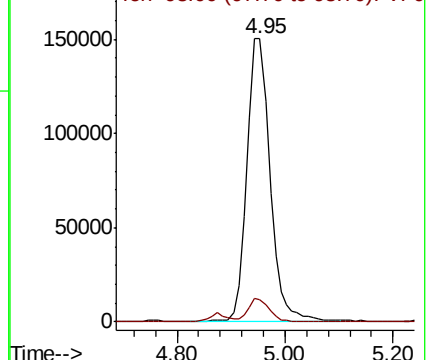
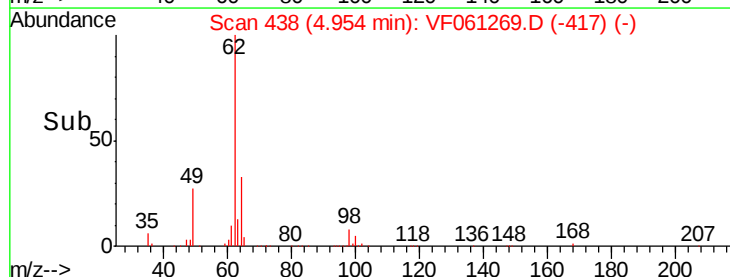
62 100

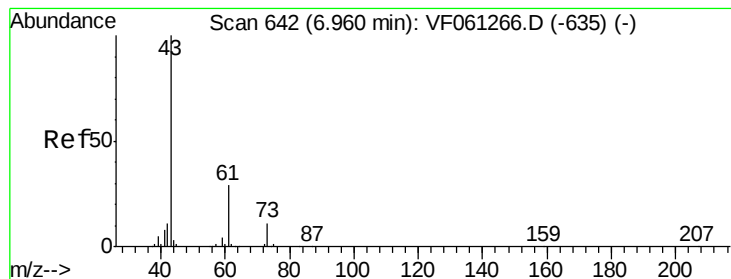
98 7.9 0.0 13.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 169.357 ug/l

RT: 6.97 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

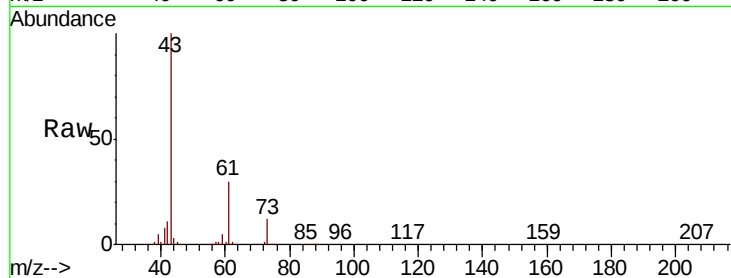
Tgt Ion: 43 Resp: 333763

Ion Ratio Lower Upper

43 100

61 30.0 23.4 35.2

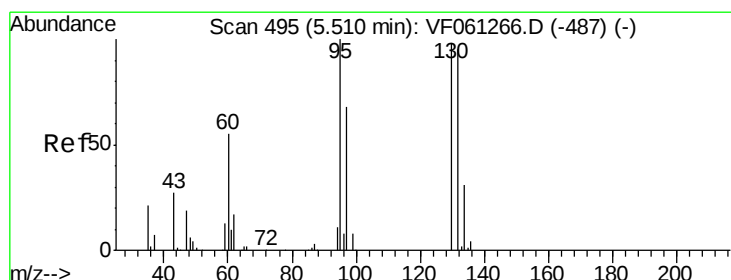
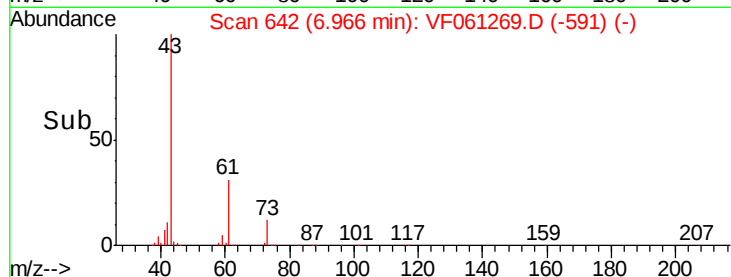
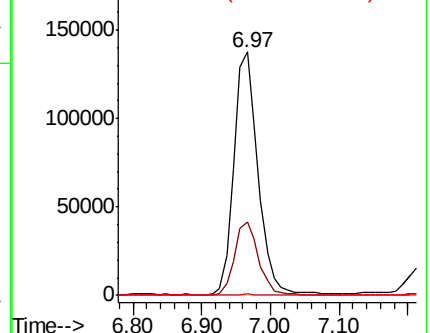
87 0.4 0.3 0.5



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: 138.957 ug/l

RT: 5.51 min Scan# 494

Delta R.T. -0.00 min

Lab File: VF061269.D

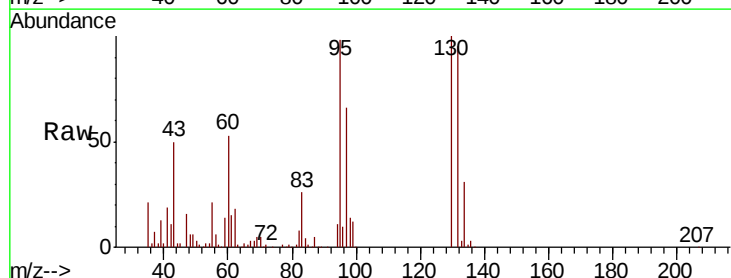
Acq: 3 Jan 2019 17:11

Tgt Ion:130 Resp: 382024

Ion Ratio Lower Upper

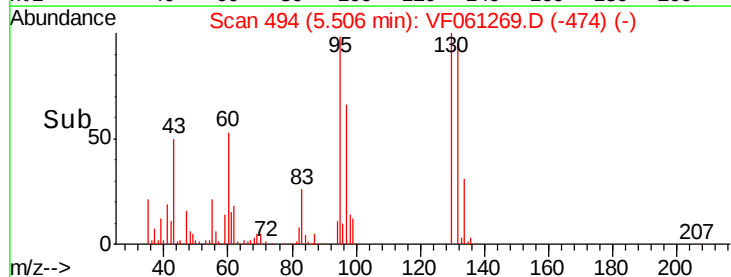
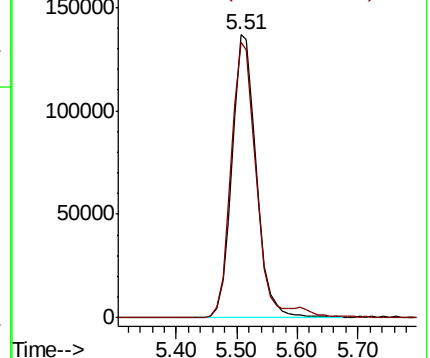
130 100

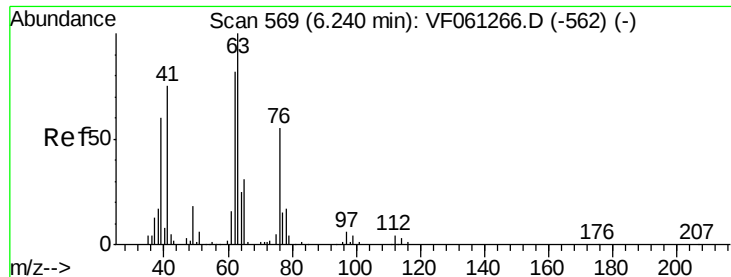
95 97.6 0.0 204.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 140.190 ug/l

RT: 6.25 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

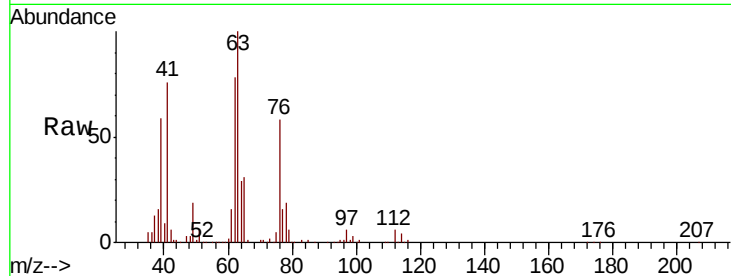
VSTDIC150

Tgt Ion: 63 Resp: 335572

Ion Ratio Lower Upper

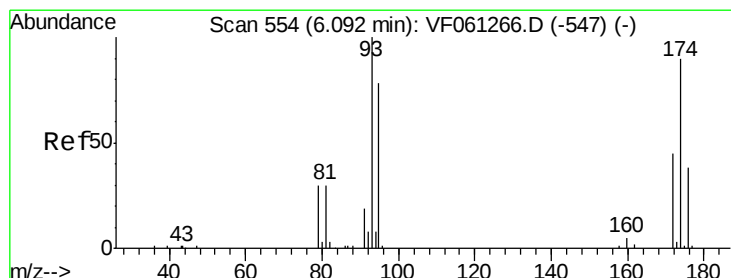
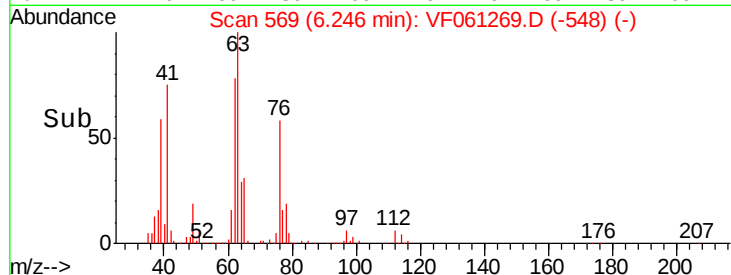
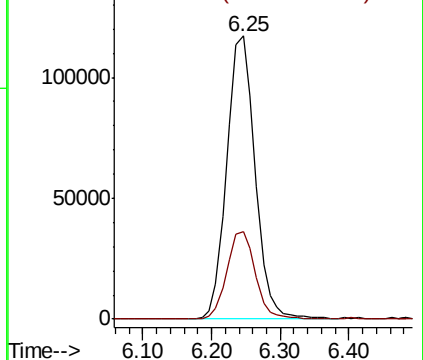
63 100

65 30.9 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 150.102 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

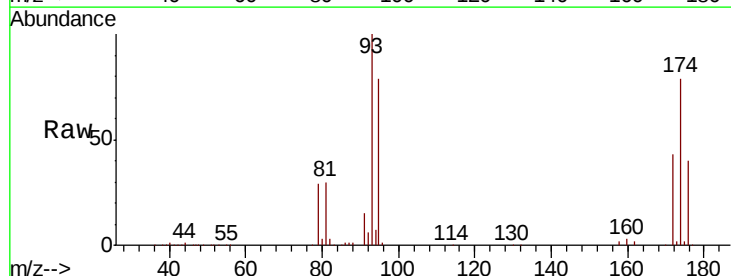
Tgt Ion: 93 Resp: 229515

Ion Ratio Lower Upper

93 100

95 78.8 62.4 93.6

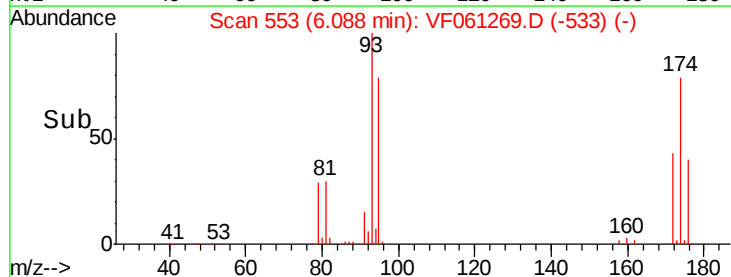
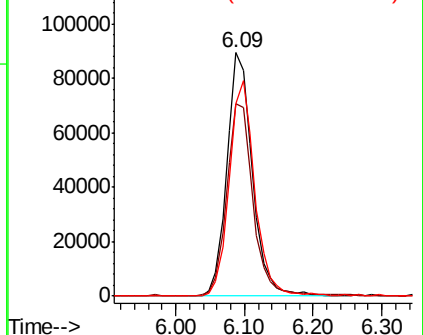
174 79.3 71.9 107.9

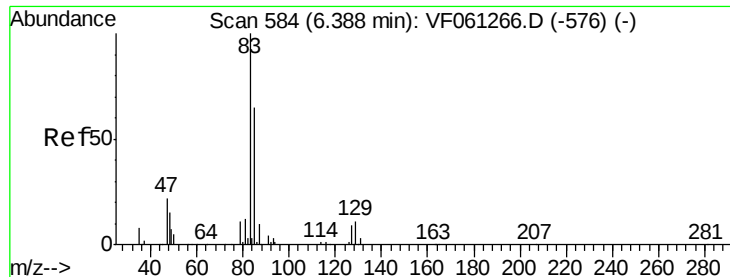


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 142.221 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

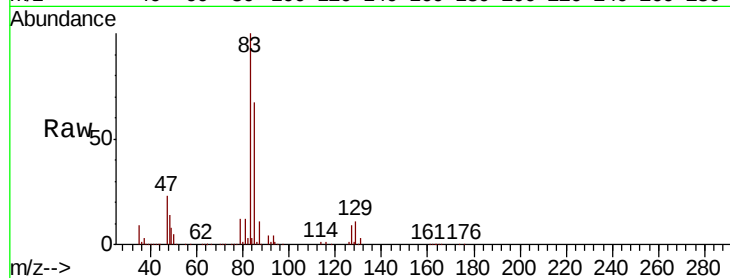
Tgt Ion: 83 Resp: 562891

Ion Ratio Lower Upper

83 100

85 67.1 52.1 78.1

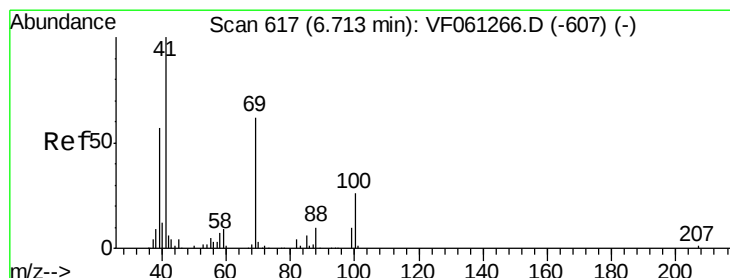
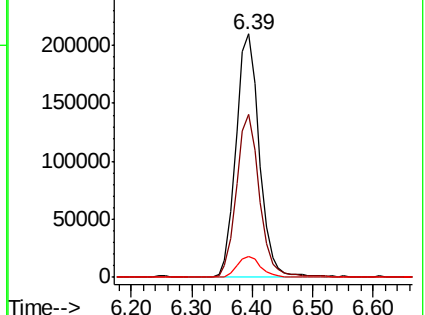
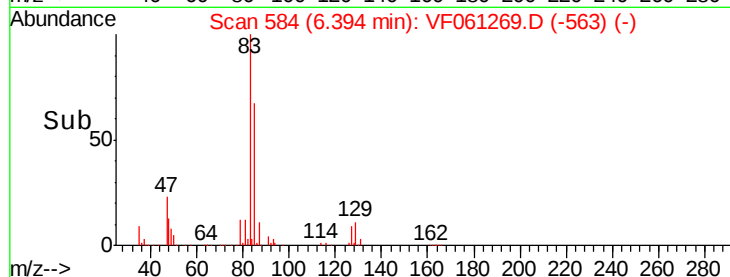
127 8.8 7.1 10.7



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



#48

Methyl methacrylate

Concen: 153.257 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

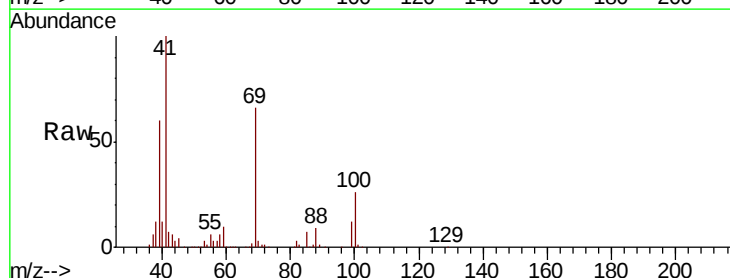
Tgt Ion: 41 Resp: 210738

Ion Ratio Lower Upper

41 100

69 66.1 49.8 74.8

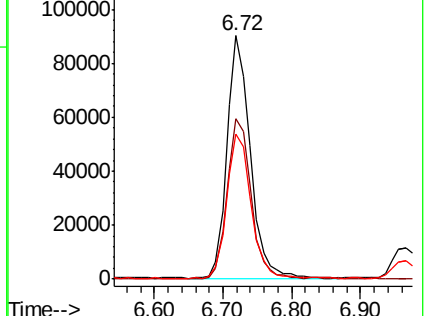
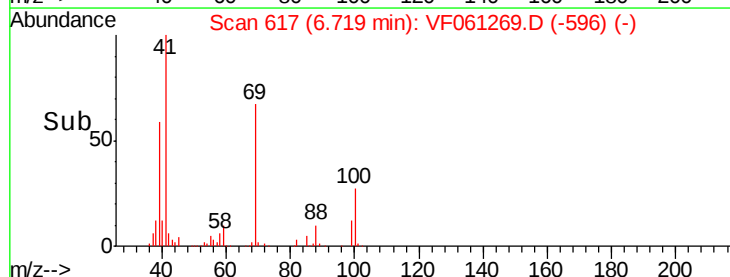
39 59.6 46.4 69.6

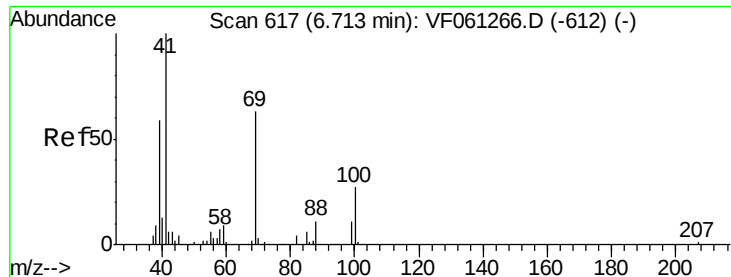


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2799.406 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

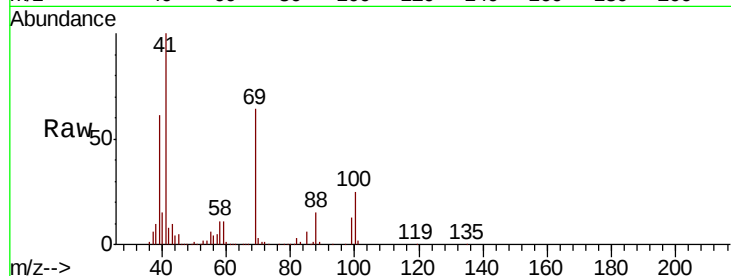
Tgt Ion: 88 Resp: 27442

Ion Ratio Lower Upper

88 100

43 65.3 55.2 82.8

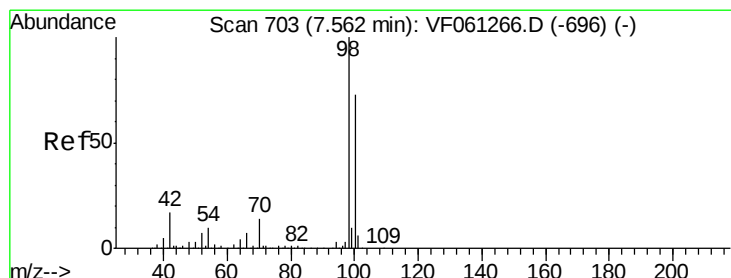
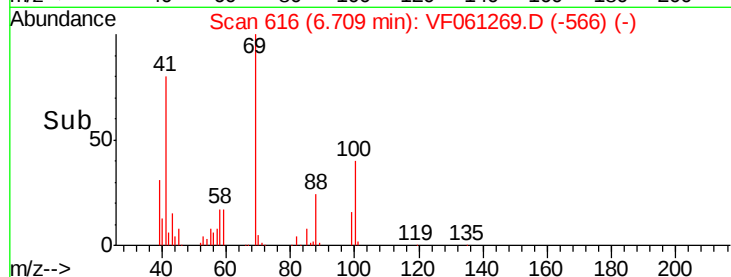
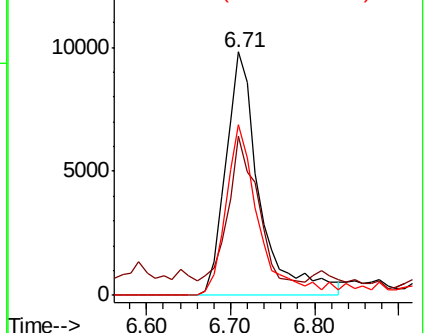
58 70.3 50.9 76.3



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 141.589 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF061269.D

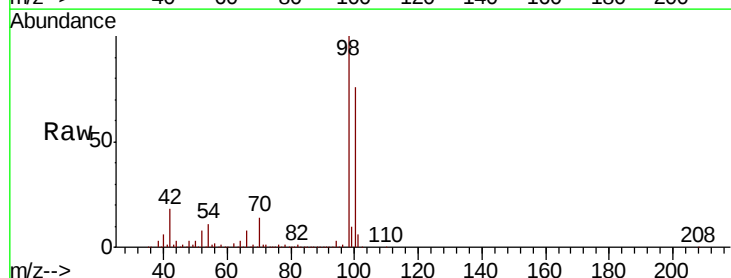
Acq: 3 Jan 2019 17:11

Tgt Ion: 98 Resp: 1089901

Ion Ratio Lower Upper

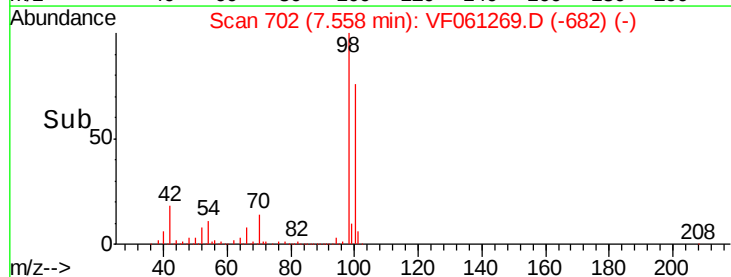
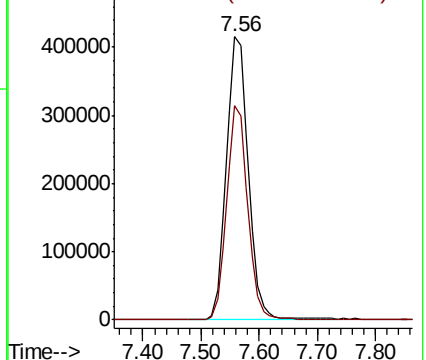
98 100

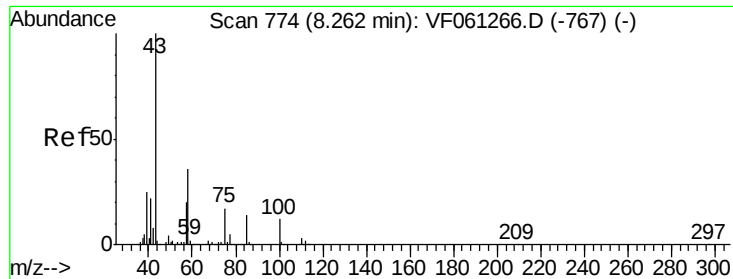
100 75.8 58.1 87.1



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 741.728 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

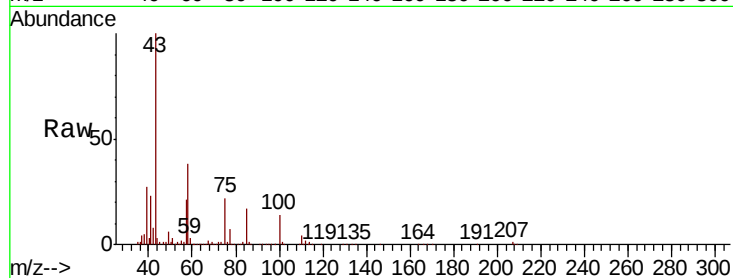
VSTDIC150

Tgt Ion: 43 Resp: 999650

Ion Ratio Lower Upper

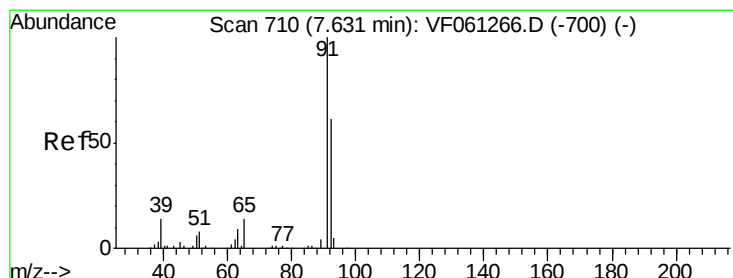
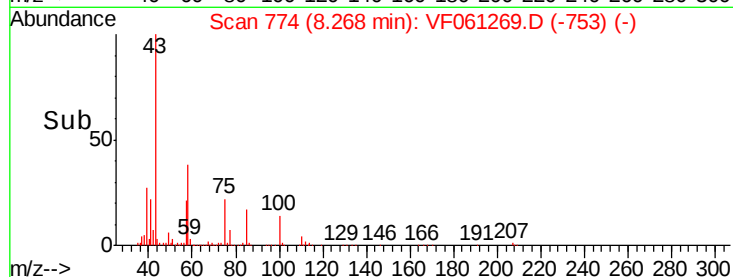
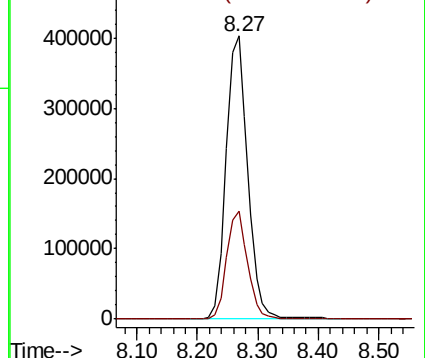
43 100

58 38.1 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 135.247 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061269.D

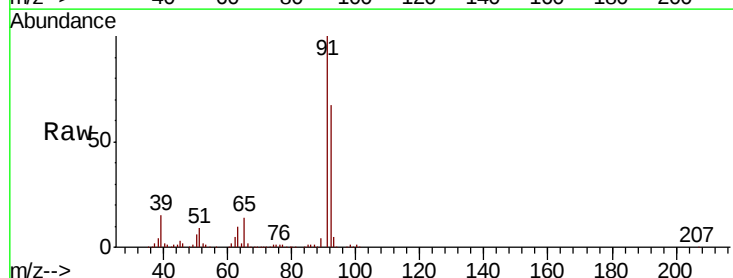
Acq: 3 Jan 2019 17:11

Tgt Ion: 92 Resp: 791283

Ion Ratio Lower Upper

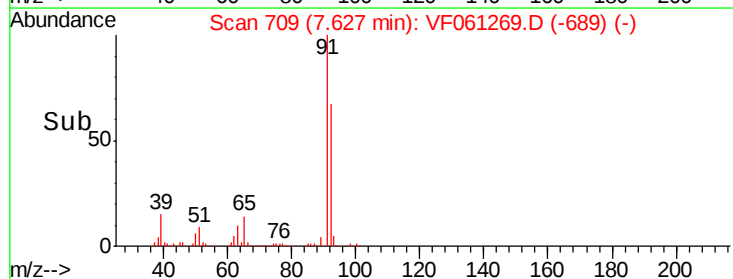
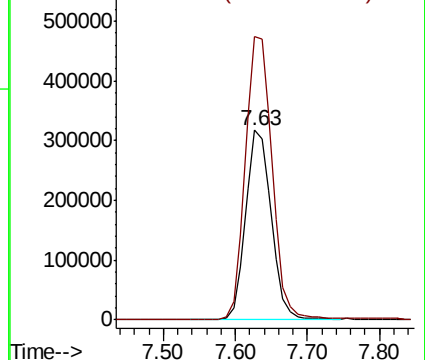
92 100

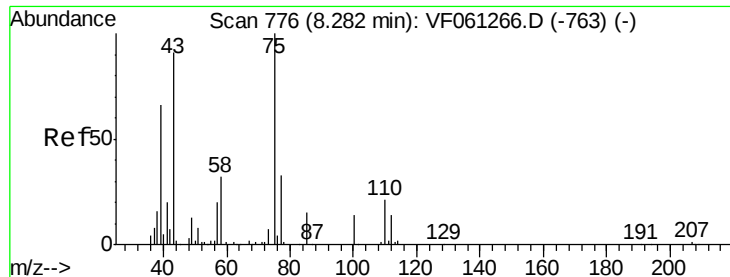
91 149.4 130.5 195.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 138.950 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

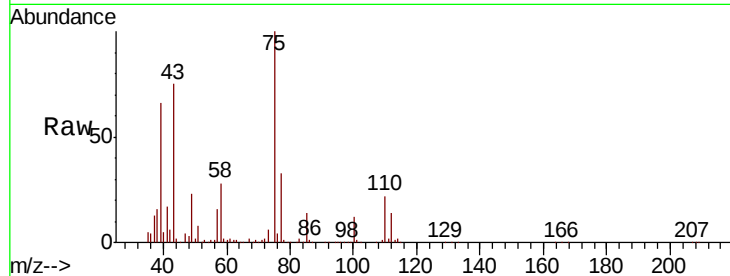
VSTDIC150

Tgt Ion: 75 Resp: 448204

Ion Ratio Lower Upper

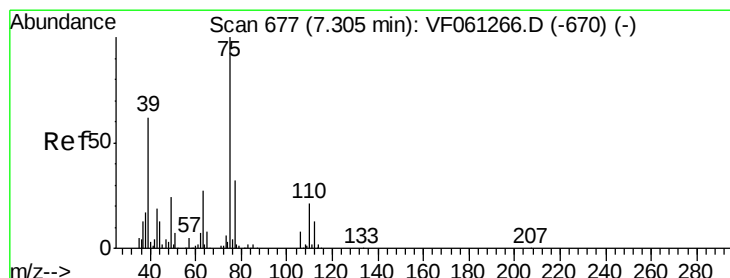
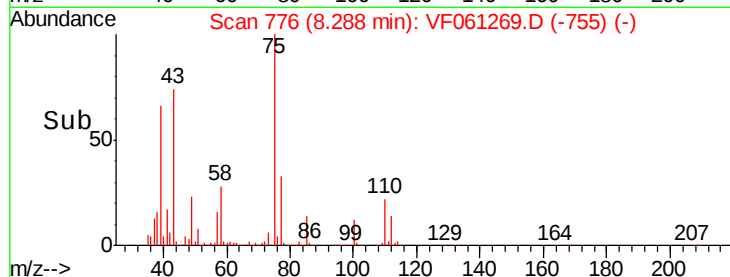
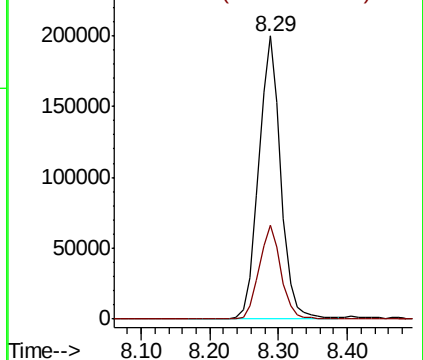
75 100

77 33.4 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: 140.056 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

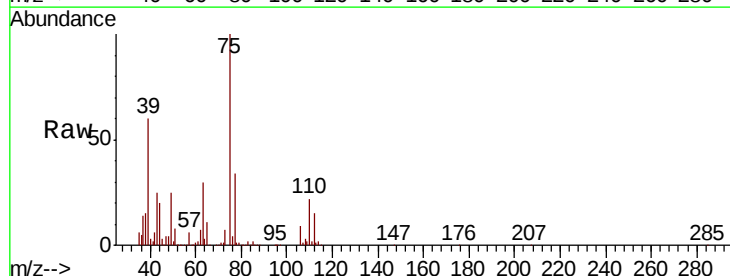
Tgt Ion: 75 Resp: 567964

Ion Ratio Lower Upper

75 100

77 33.9 25.4 38.2

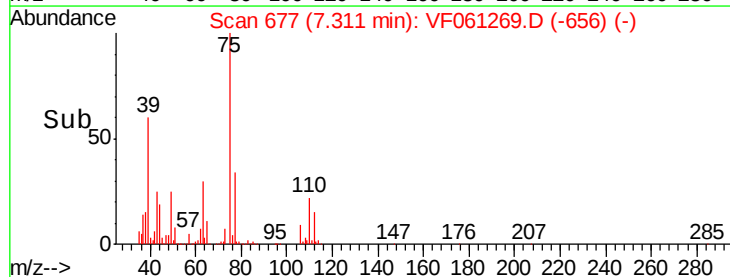
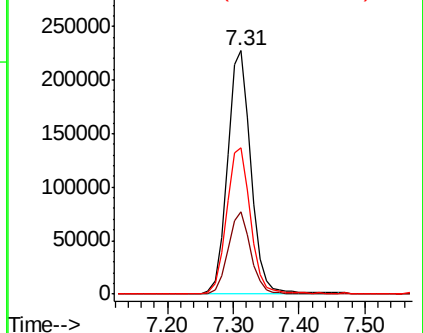
39 60.3 49.5 74.3

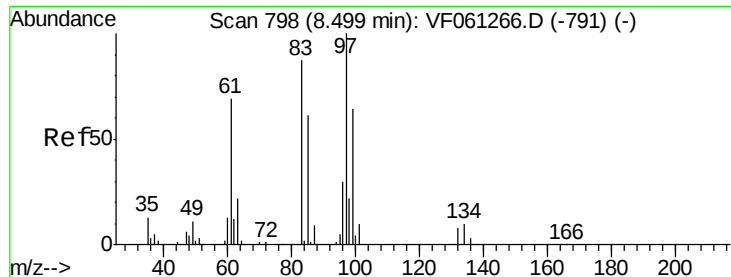


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 146.252 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 254222

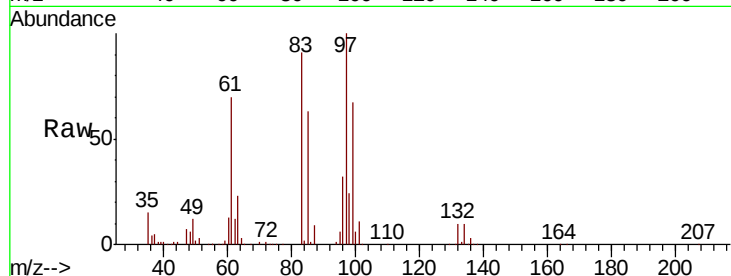
Ion Ratio Lower Upper

97 100

83 90.8 69.7 104.5

85 63.0 49.1 73.7

99 66.8 51.3 76.9

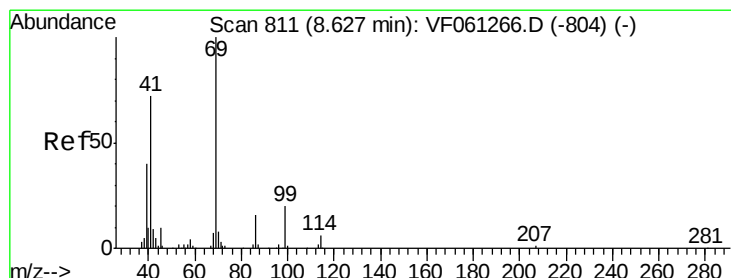
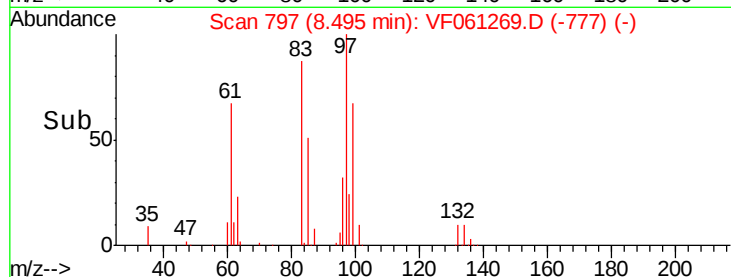
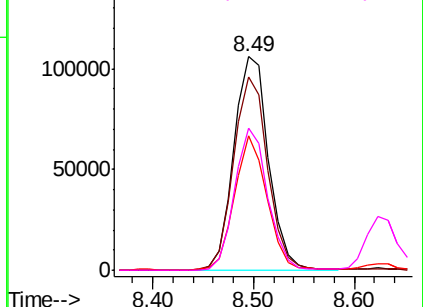


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 160.120 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

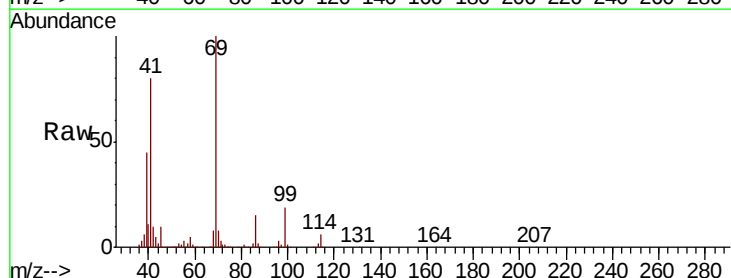
Tgt Ion: 69 Resp: 300581

Ion Ratio Lower Upper

69 100

41 79.6 58.1 87.1

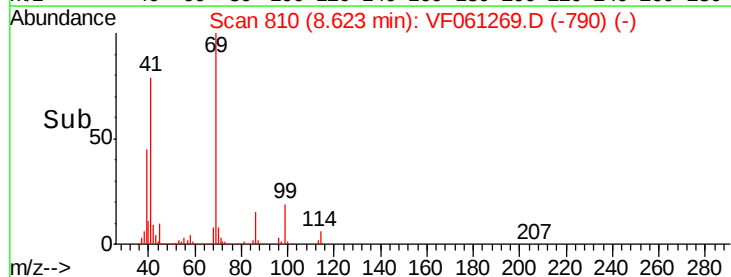
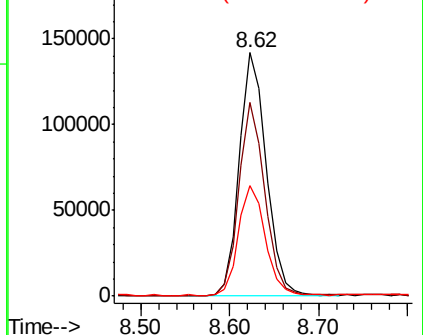
39 45.5 32.6 49.0

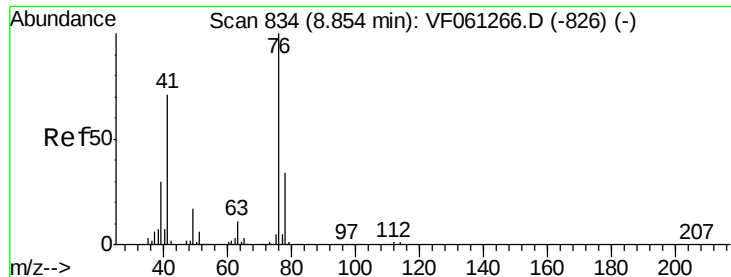


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

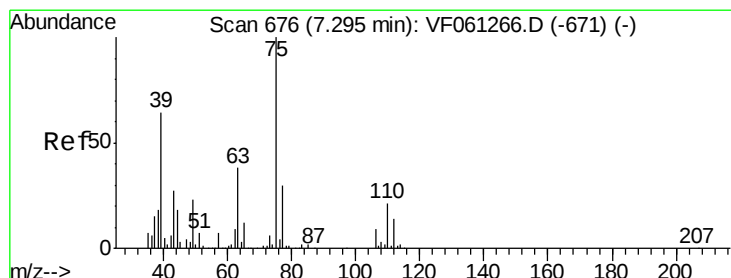
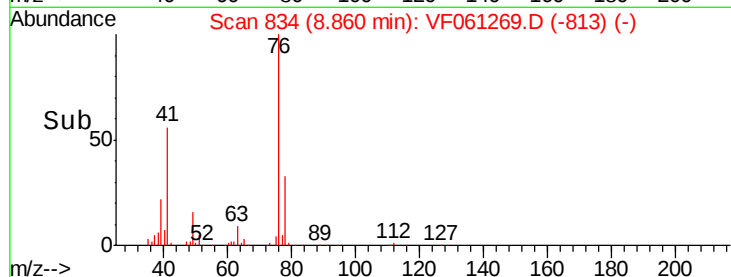
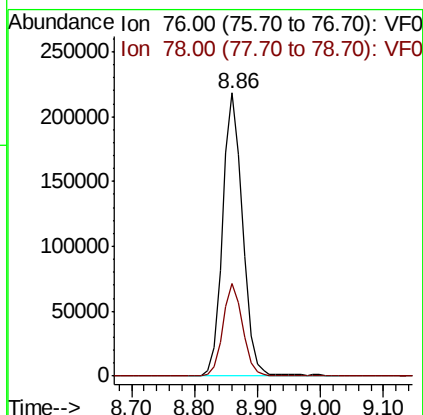
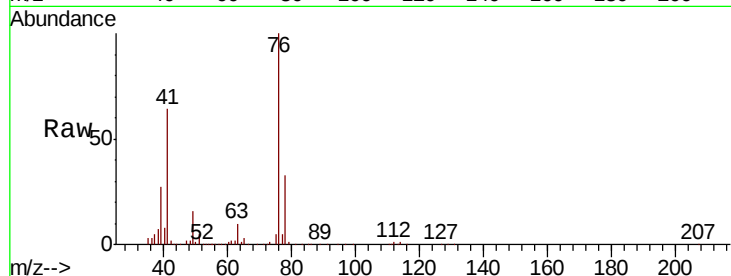




#57
 1,3-Dichloropropane
 Concen: 153.835 ug/l
 RT: 8.86 min Scan# 834
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

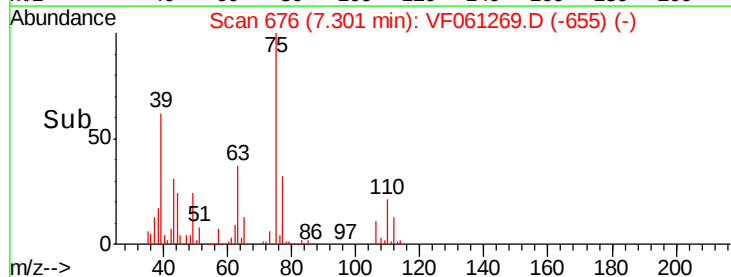
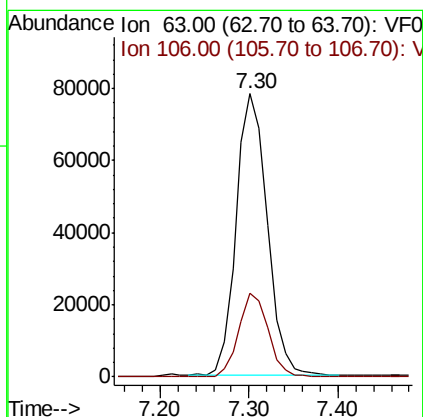
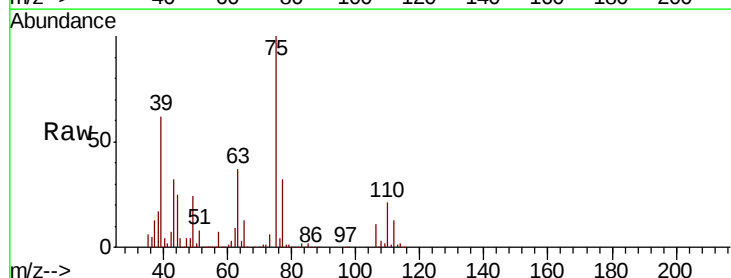
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

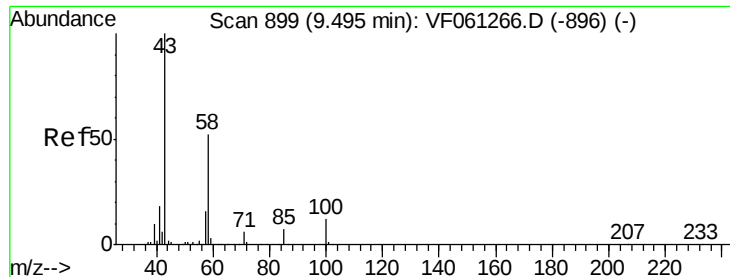
Tgt Ion: 76 Resp: 484784
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 551.369 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion: 63 Resp: 188682
 Ion Ratio Lower Upper
 63 100
 106 29.7 19.2 28.8#

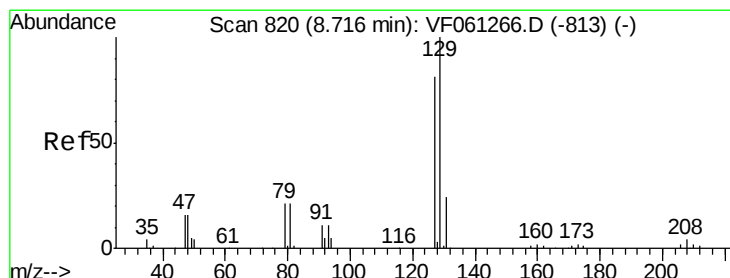
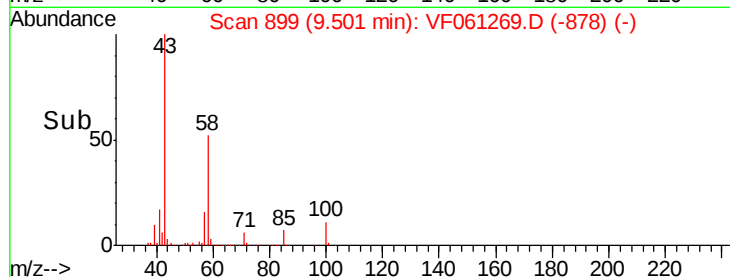
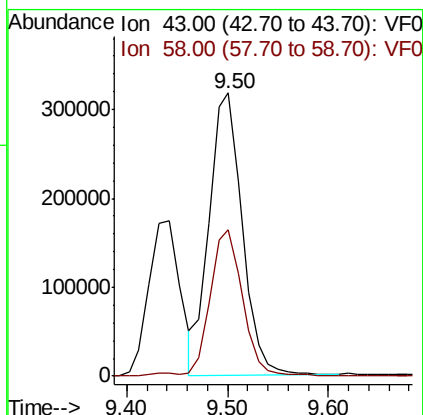
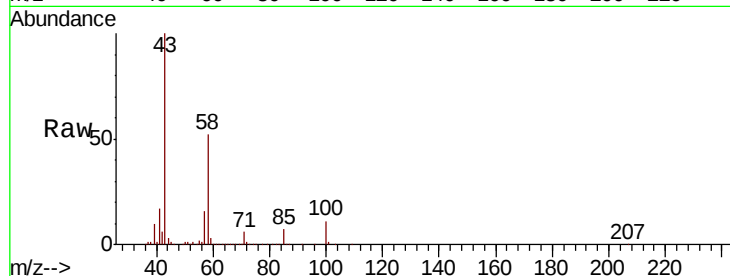




#59
2-Hexanone
Concen: 745.100 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

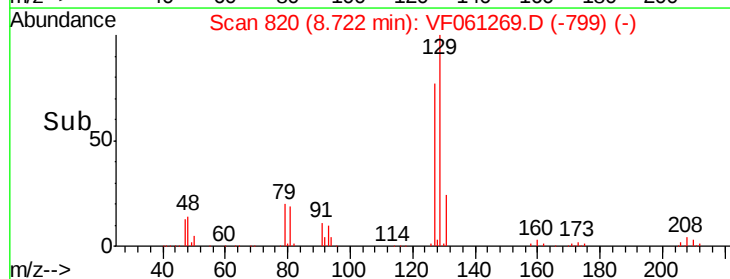
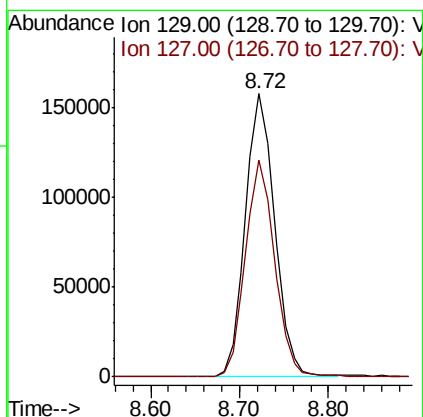
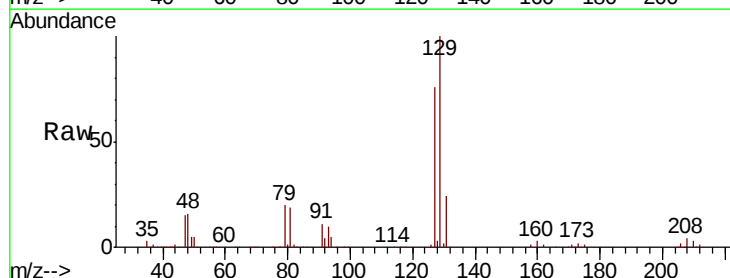
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

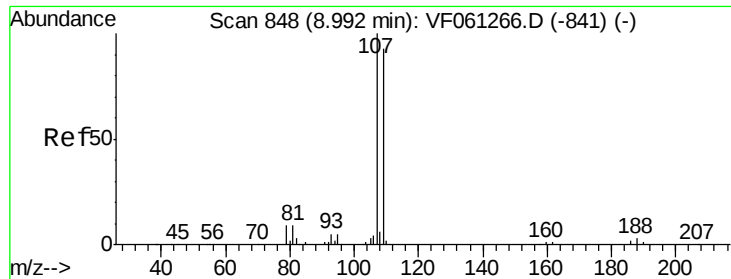
Tgt Ion: 43 Resp: 721900
Ion Ratio Lower Upper
43 100
58 51.7 24.4 73.4



#60
Dibromochloromethane
Concen: 147.104 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion: 129 Resp: 360941
Ion Ratio Lower Upper
129 100
127 76.4 40.7 122.1





#61

1,2-Dibromoethane

Concen: 146.669 ug/l

RT: 9.00 min Scan# 848

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

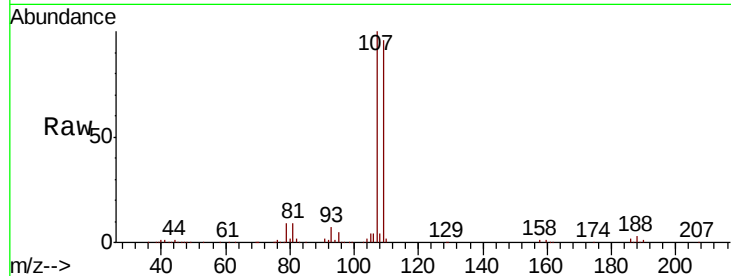
VSTDIC150

Tgt Ion: 107 Resp: 271160

Ion Ratio Lower Upper

107 100

109 95.7 74.2 111.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.00

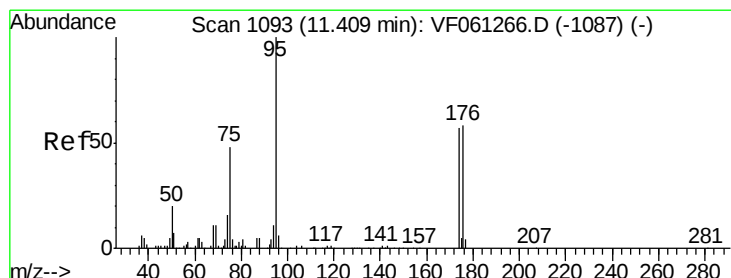
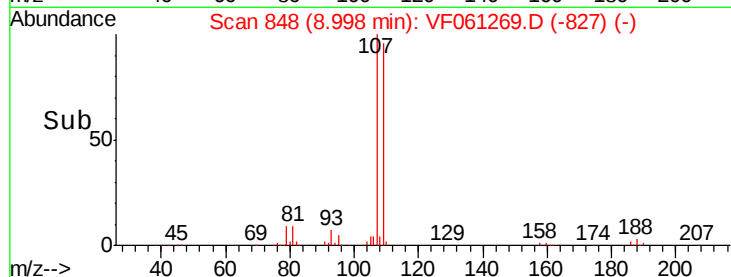
100000

50000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 137.035 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

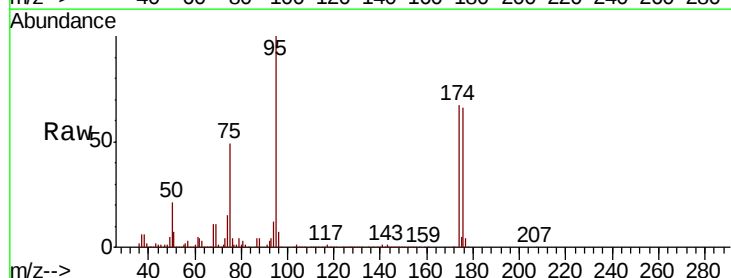
Tgt Ion: 95 Resp: 483643

Ion Ratio Lower Upper

95 100

174 66.8 0.0 113.2

176 65.7 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

11.41

300000

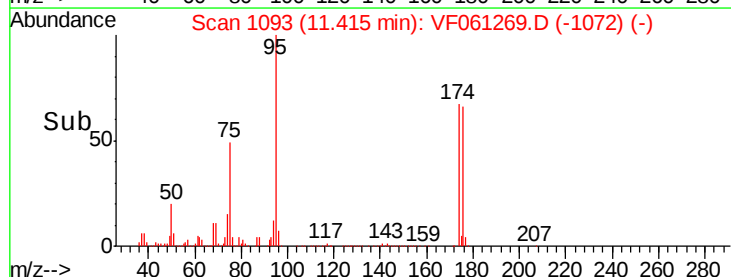
200000

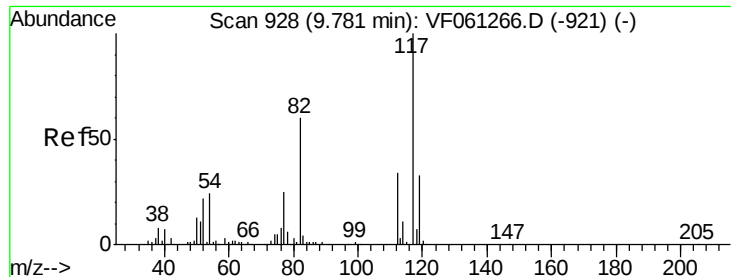
100000

0

Time-->

11.30 11.40 11.50 11.60

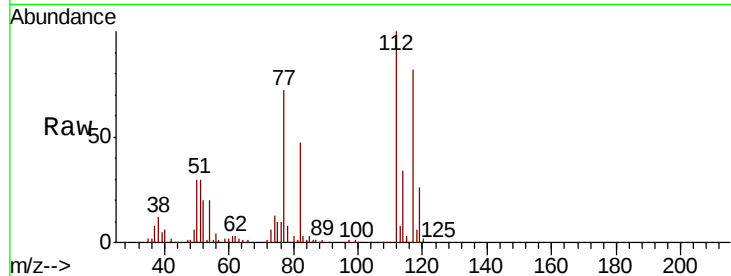




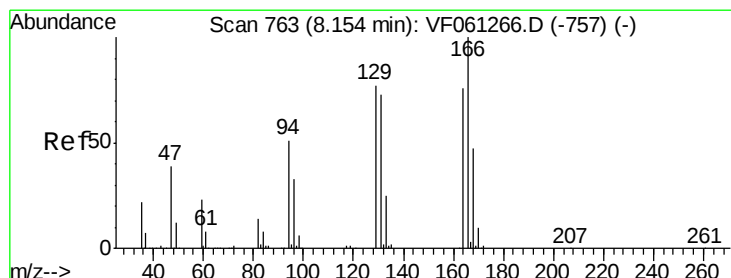
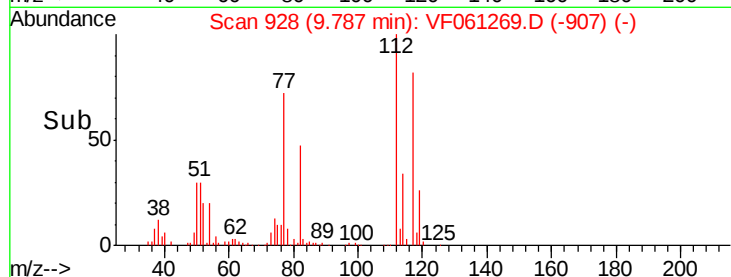
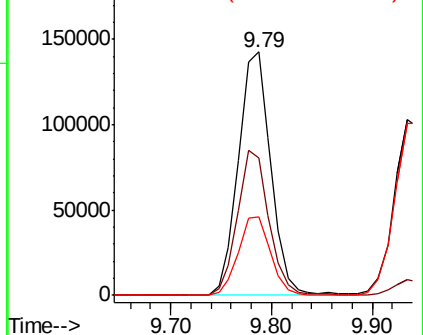
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 319697
Ion Ratio Lower Upper
117 100
82 56.6 47.8 71.6
119 32.1 26.1 39.1

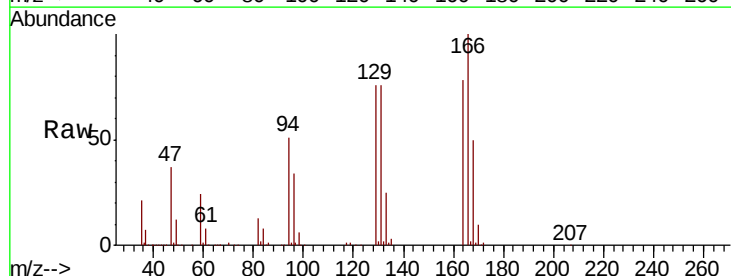


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

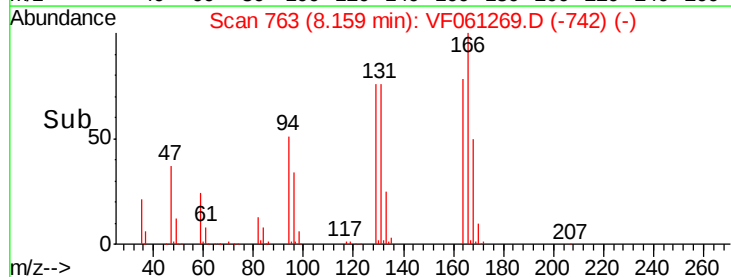
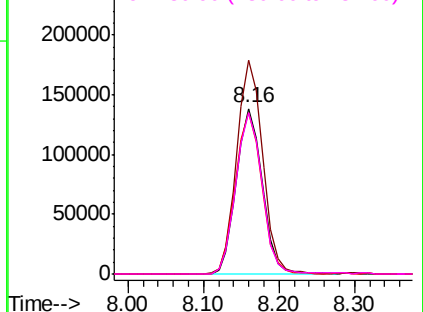


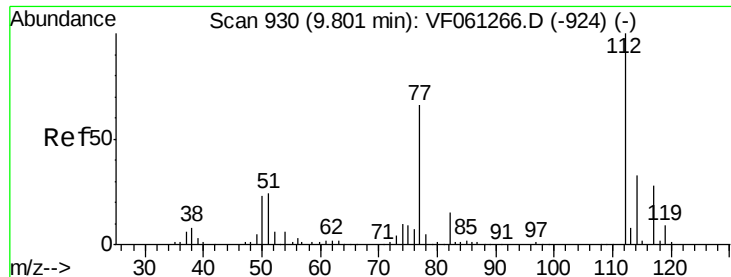
#64
Tetrachloroethene
Concen: 132.715 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion:164 Resp: 329629
Ion Ratio Lower Upper
164 100
166 128.9 105.1 157.7
129 97.4 81.0 121.6
131 97.5 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: 133.814 ug/l

RT: 9.81 min Scan# 930

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

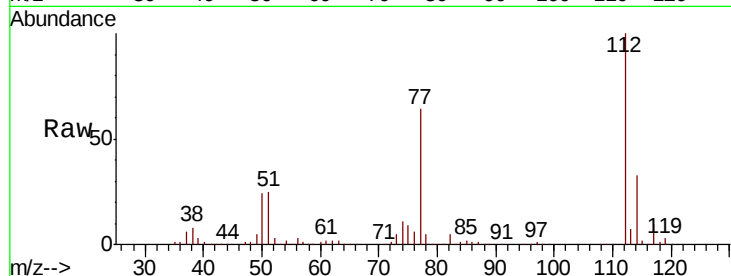
VSTDIC150

Tgt Ion:112 Resp: 893920

Ion Ratio Lower Upper

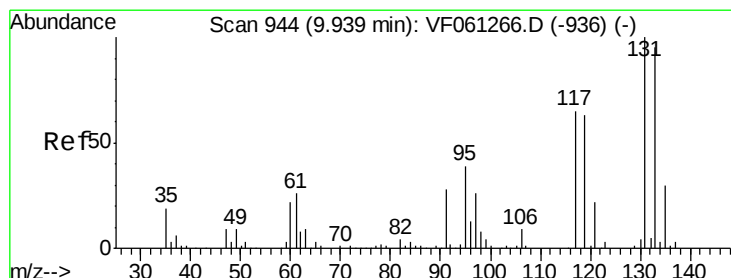
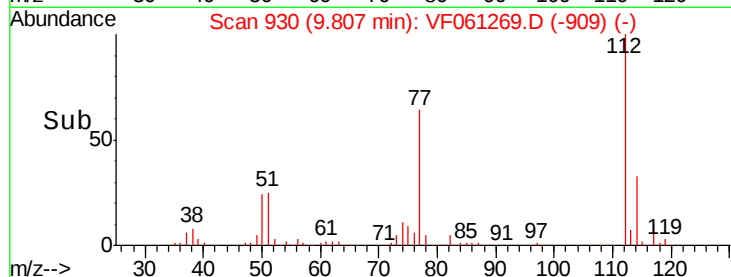
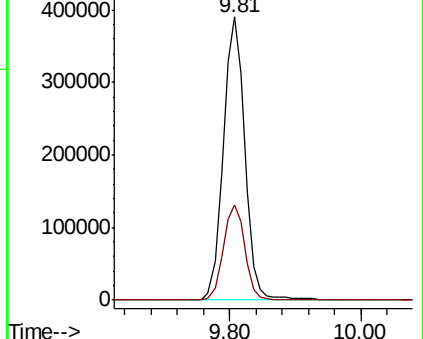
112 100

114 33.4 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: 134.113 ug/l

RT: 9.94 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

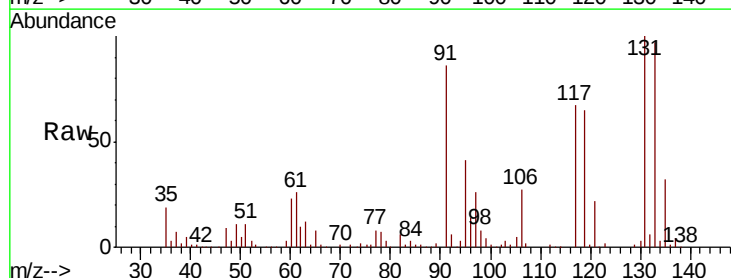
Tgt Ion:131 Resp: 366262

Ion Ratio Lower Upper

131 100

133 96.7 47.5 142.5

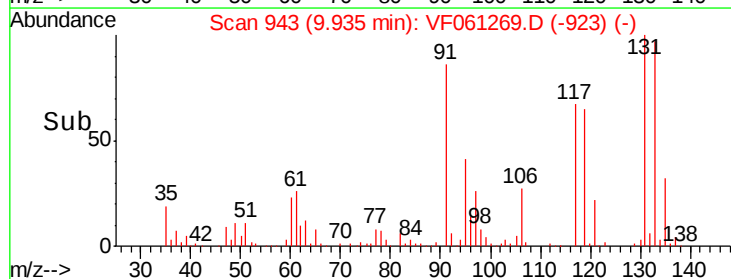
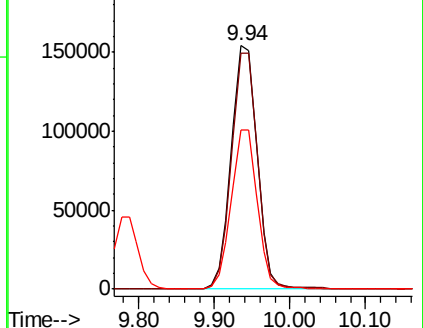
119 65.5 32.2 96.6

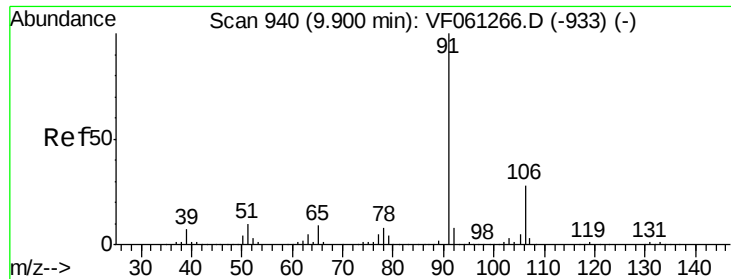


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 128.746 ug/l

RT: 9.91 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

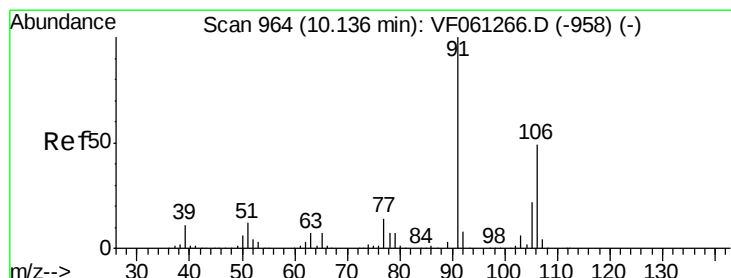
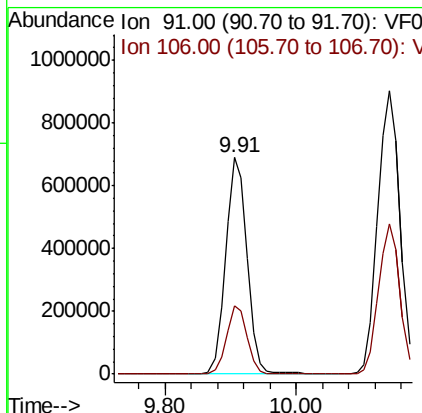
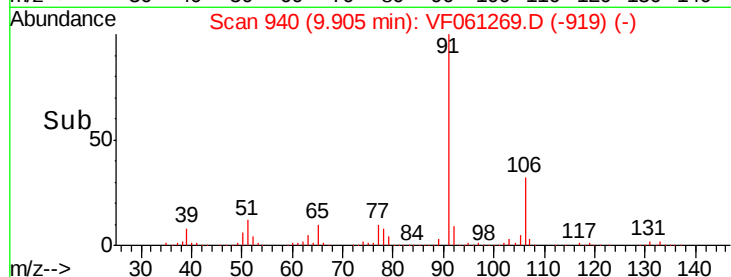
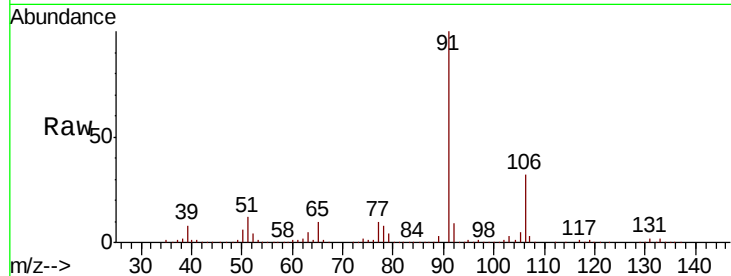
VSTDIC150

Tgt Ion: 91 Resp: 1575558

Ion Ratio Lower Upper

91 100

106 31.6 22.8 34.2



#68

m/p-Xylenes

Concen: 253.073 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF061269.D

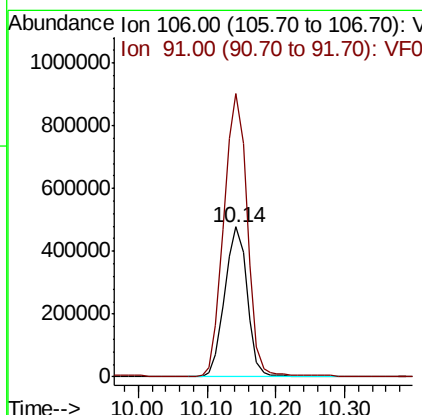
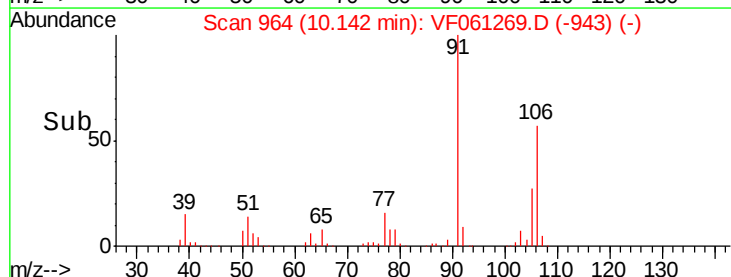
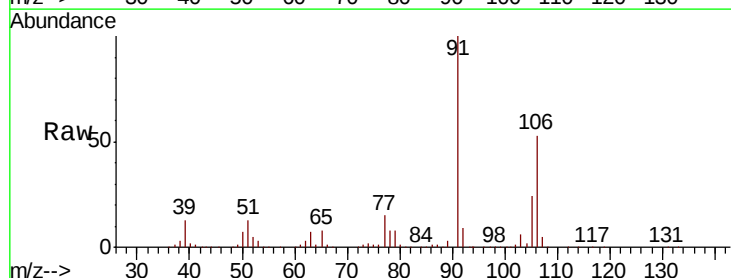
Acq: 3 Jan 2019 17:11

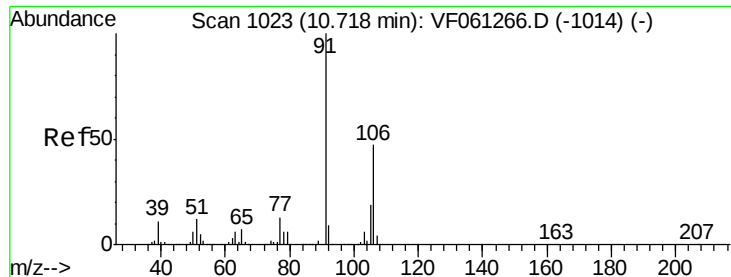
Tgt Ion: 106 Resp: 1082661

Ion Ratio Lower Upper

106 100

91 188.7 164.8 247.2

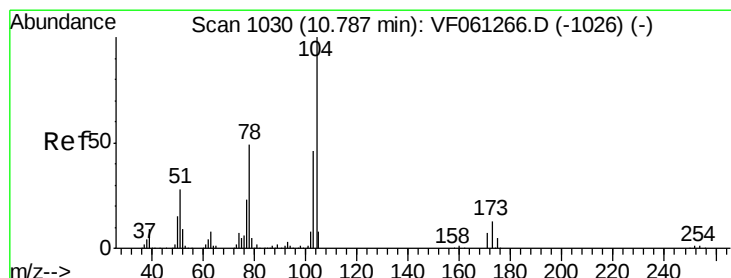
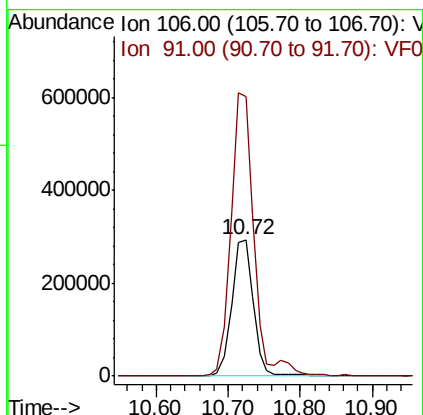
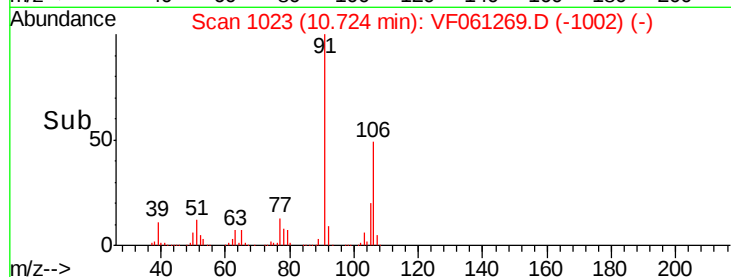
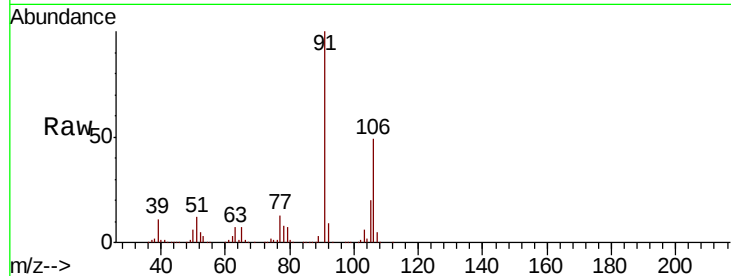




#69
o-Xylene
Concen: 127.805 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

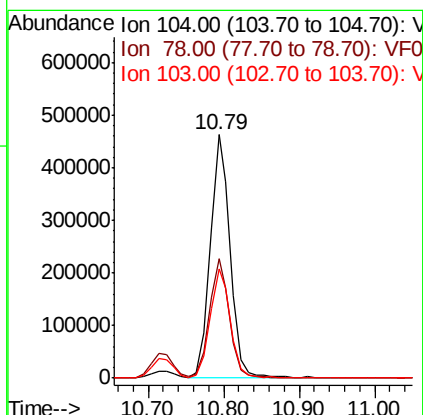
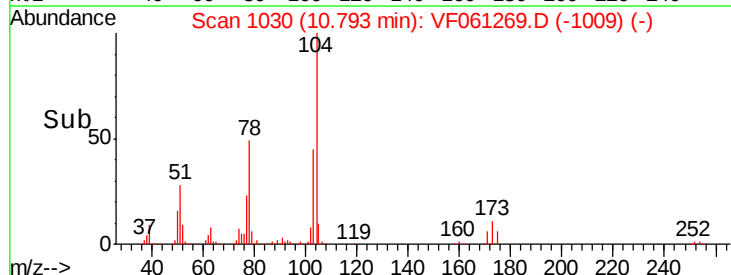
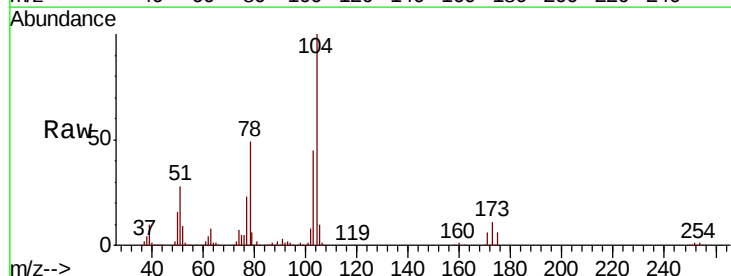
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

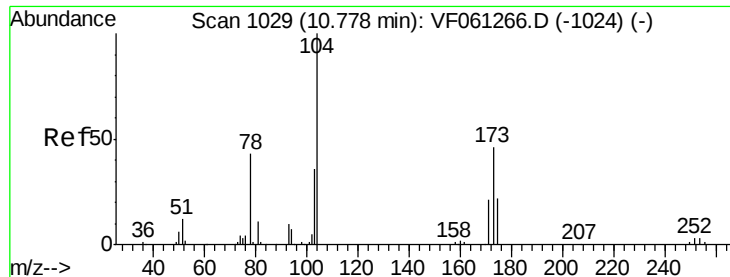
Tgt Ion:106 Resp: 611865
Ion Ratio Lower Upper
106 100
91 204.7 106.2 318.5



#70
Styrene
Concen: 128.630 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion:104 Resp: 851226
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 44.8 37.3 55.9

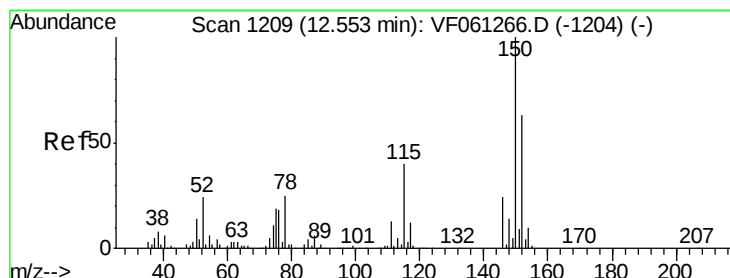
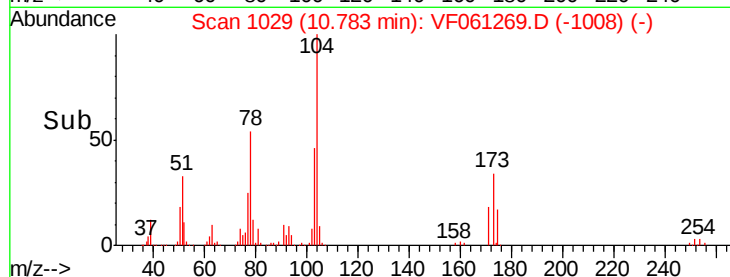
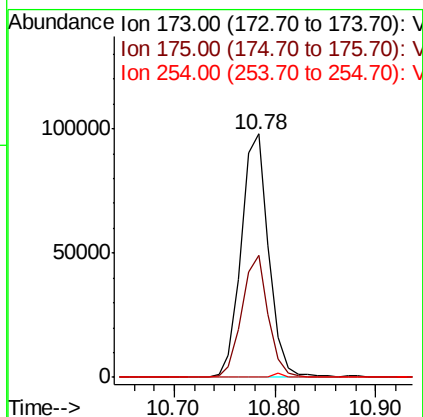
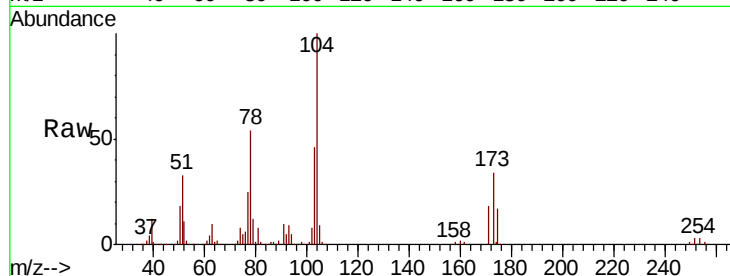




#71
Bromoform
Concen: 147.874 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

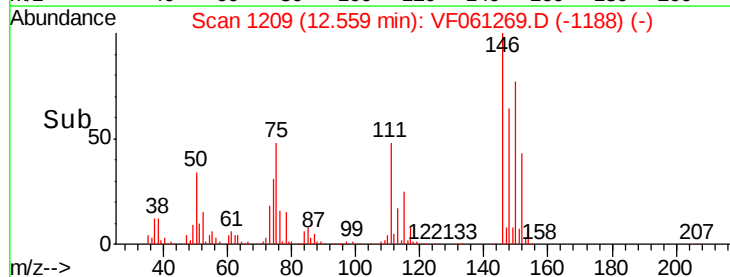
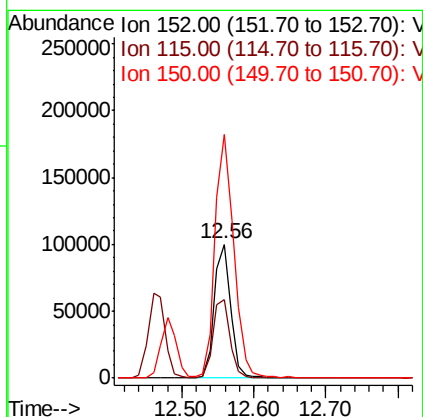
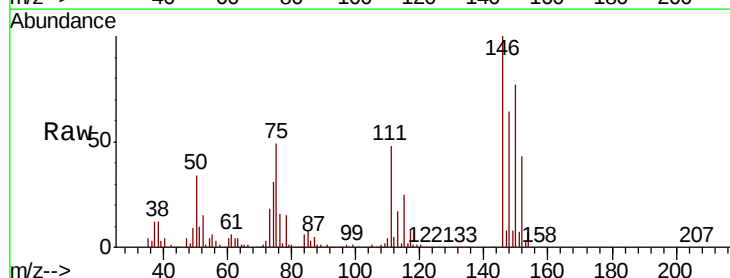
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

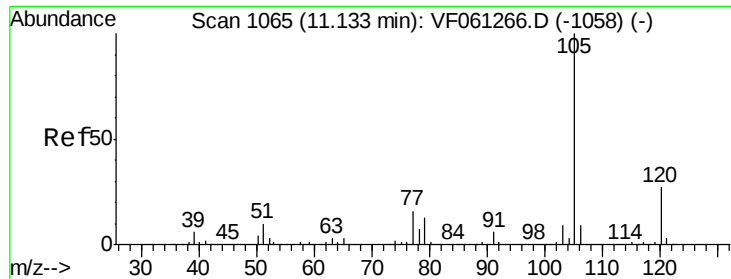
Tgt Ion:173 Resp: 186030
Ion Ratio Lower Upper
173 100
175 49.9 24.6 73.6
254 0.0 5.3 7.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion:152 Resp: 156756
Ion Ratio Lower Upper
152 100
115 58.3 31.6 94.7
150 181.5 0.0 320.2





#73

Isopropylbenzene

Concen: 125.832 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

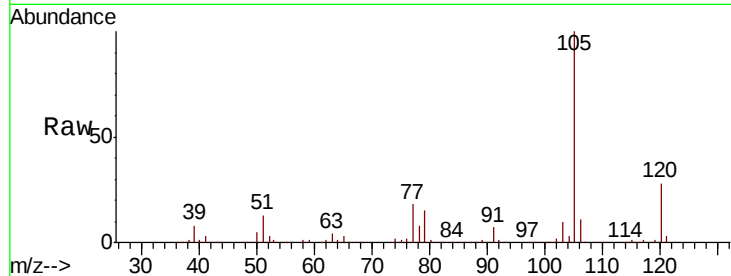
VSTDIC150

Tgt Ion:105 Resp: 1701227

Ion Ratio Lower Upper

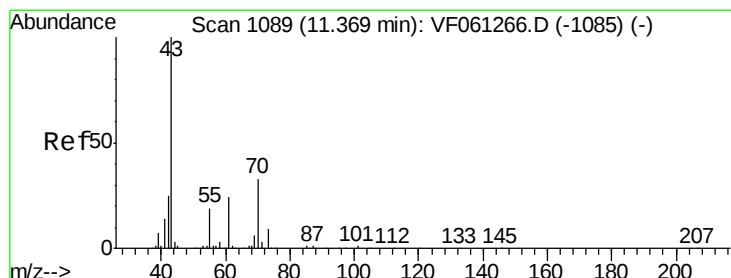
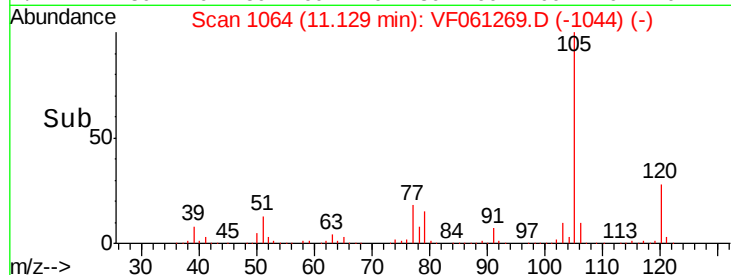
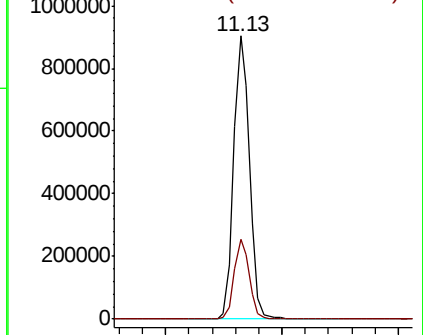
105 100

120 28.3 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 153.448 ug/l

RT: 11.38 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion: 43 Resp: 463393

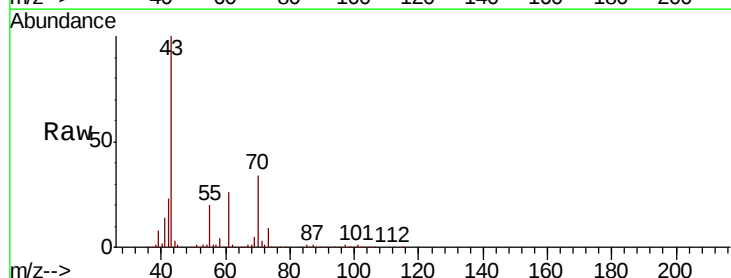
Ion Ratio Lower Upper

43 100

70 33.7 26.7 40.1

55 19.6 15.4 23.0

61 25.8 19.4 29.0

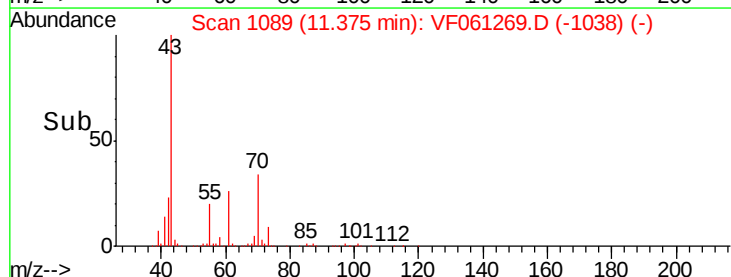
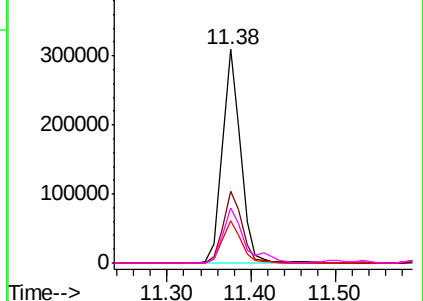


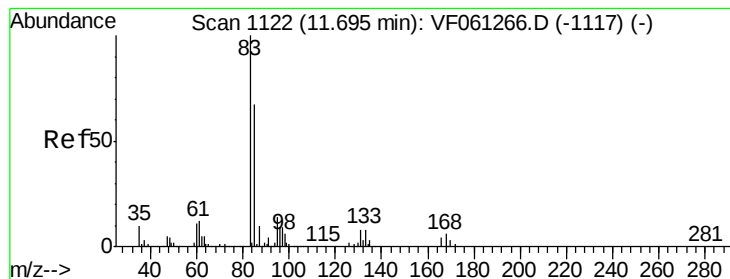
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 142.012 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

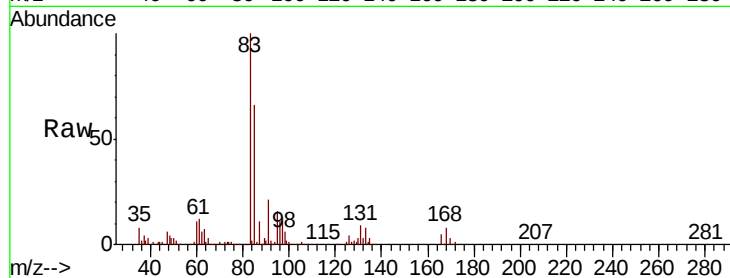
Tgt Ion: 83 Resp: 315098

Ion Ratio Lower Upper

83 100

131 9.3 4.0 12.0

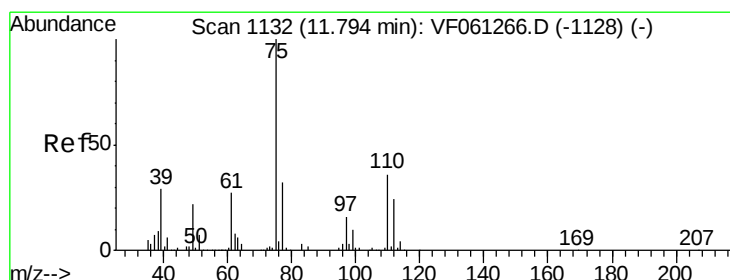
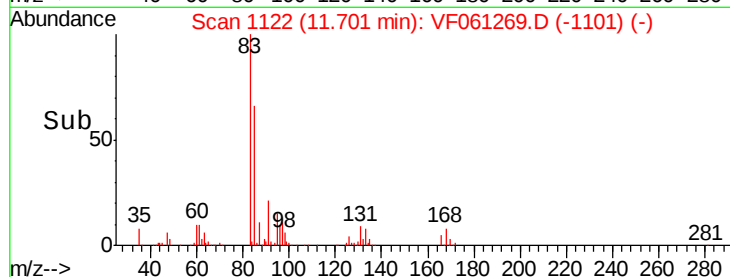
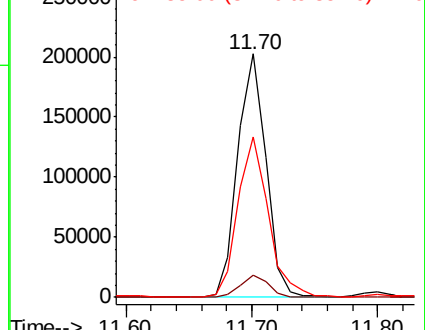
85 65.8 33.6 100.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 147.731 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF061269.D

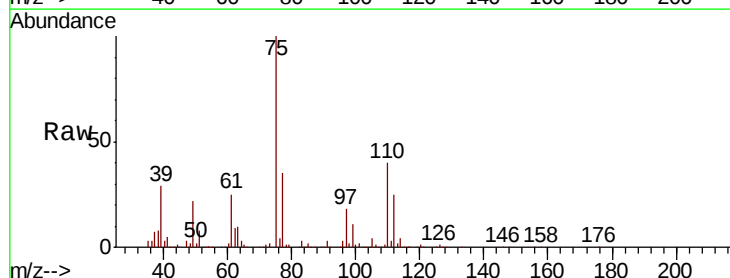
Acq: 3 Jan 2019 17:11

Tgt Ion: 75 Resp: 244130

Ion Ratio Lower Upper

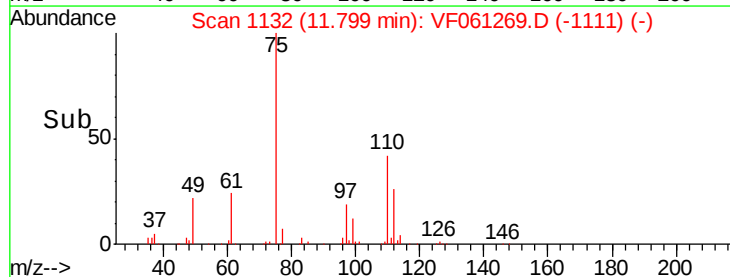
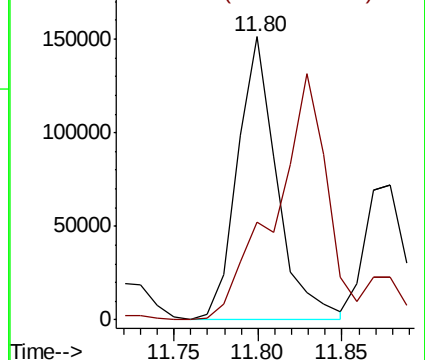
75 100

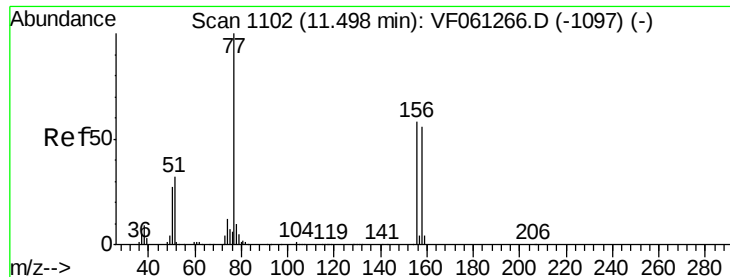
77 34.5 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 134.245 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

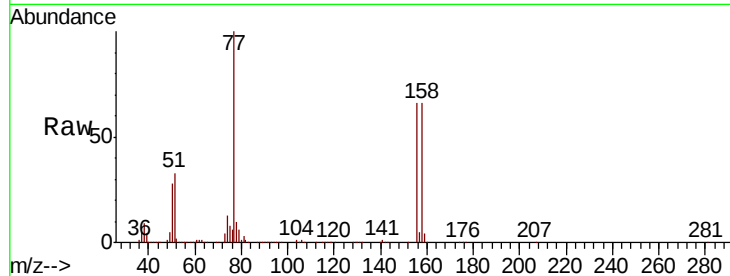
Tgt Ion:156 Resp: 388371

Ion Ratio Lower Upper

156 100

77 152.1 85.8 257.3

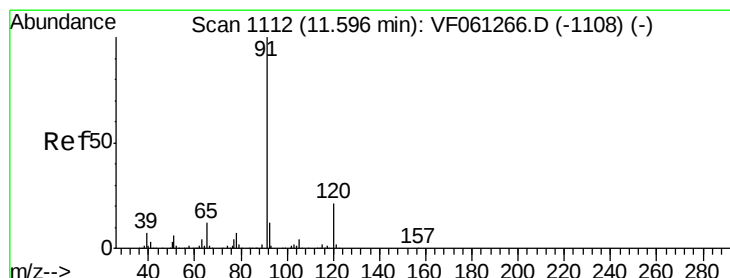
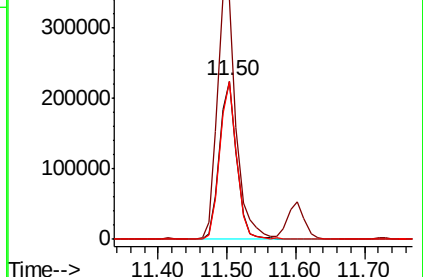
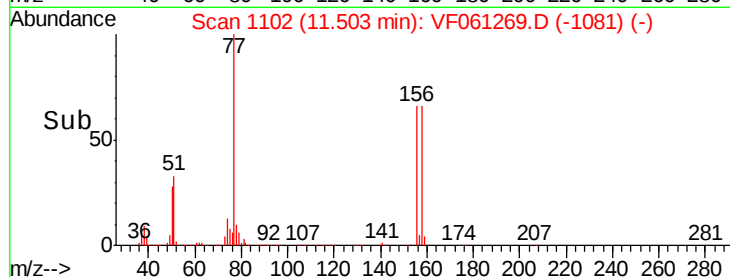
158 99.9 47.6 142.8



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: 123.416 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061269.D

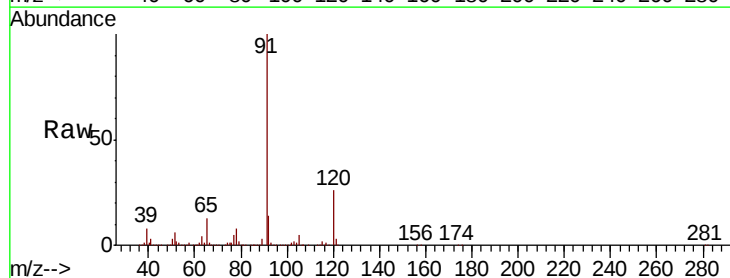
Acq: 3 Jan 2019 17:11

Tgt Ion: 91 Resp: 1960772

Ion Ratio Lower Upper

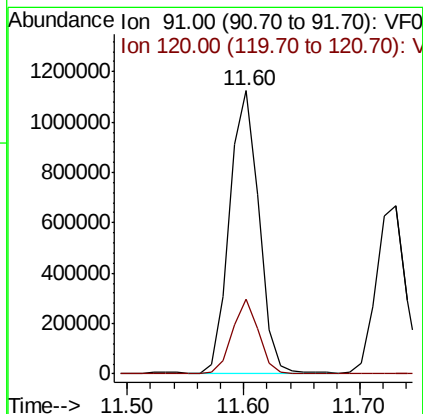
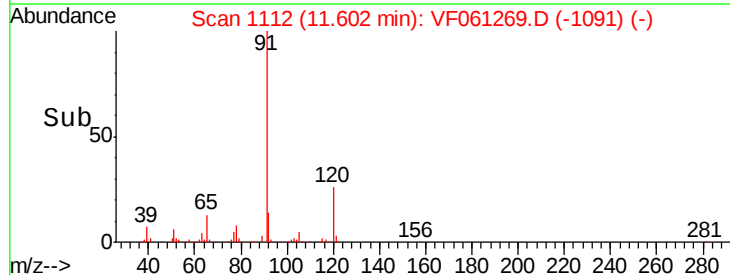
91 100

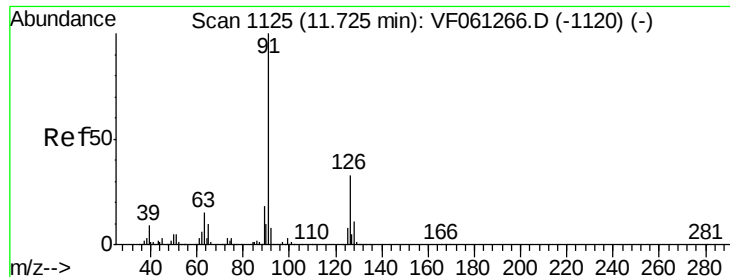
120 26.3 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

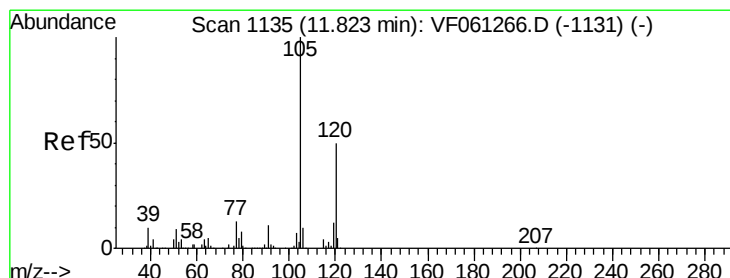
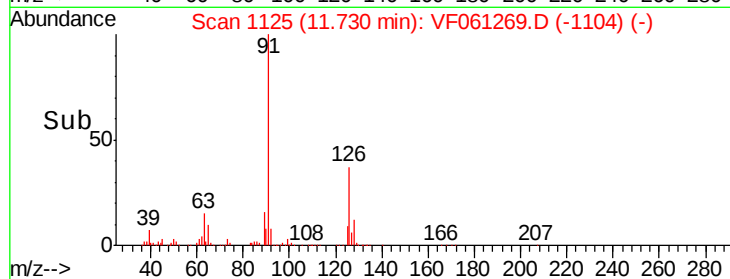
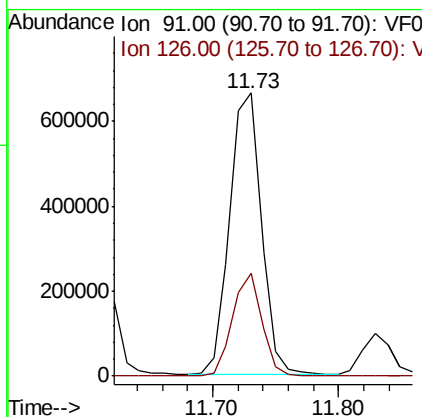
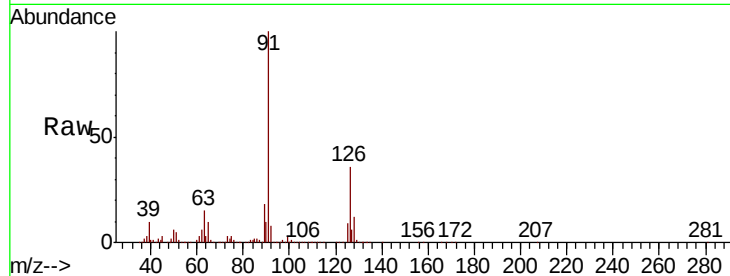




#79
 2-Chlorotoluene
 Concen: 125.230 ug/l
 RT: 11.73 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

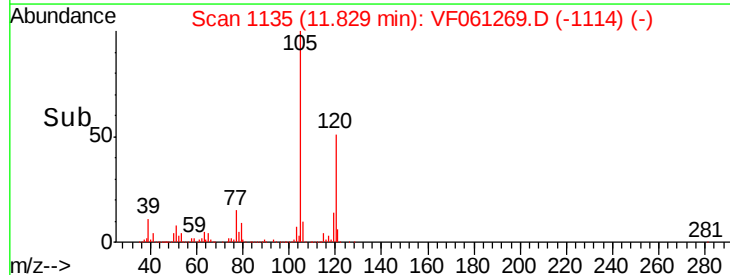
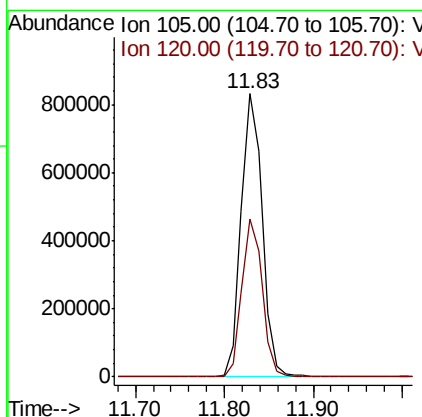
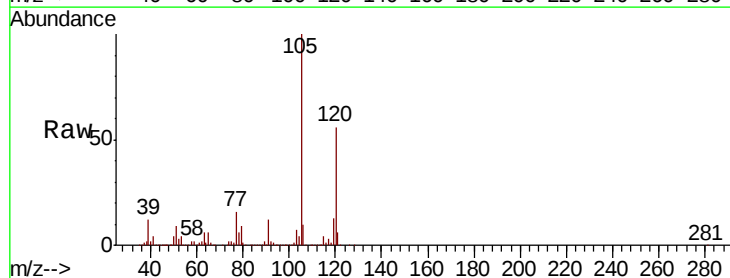
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

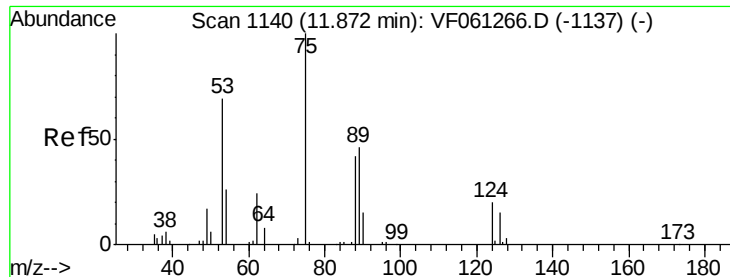
Tgt Ion: 91 Resp: 1155407
 Ion Ratio Lower Upper
 91 100
 126 36.5 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 124.274 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion: 105 Resp: 1373328
 Ion Ratio Lower Upper
 105 100
 120 55.8 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 214.622 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

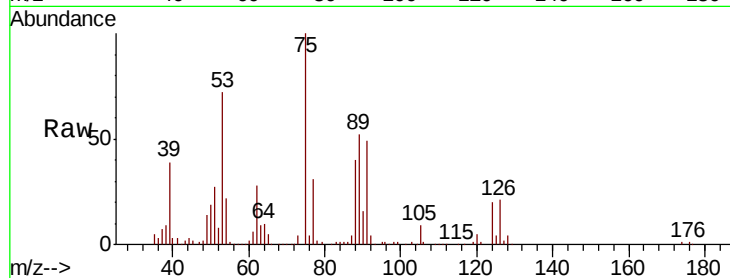
Tgt Ion: 75 Resp: 154852

Ion Ratio Lower Upper

75 100

53 72.0 61.7 92.5

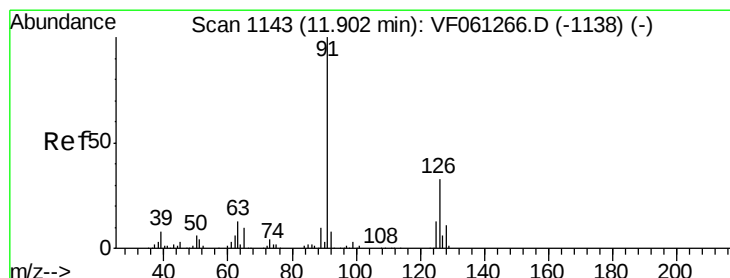
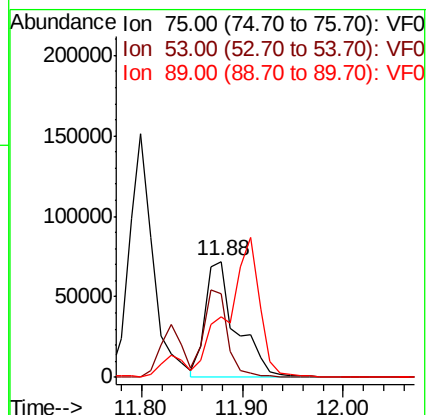
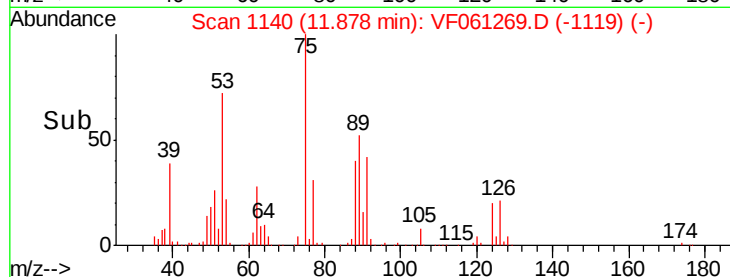
89 52.0 40.3 60.5



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: 128.118 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF061269.D

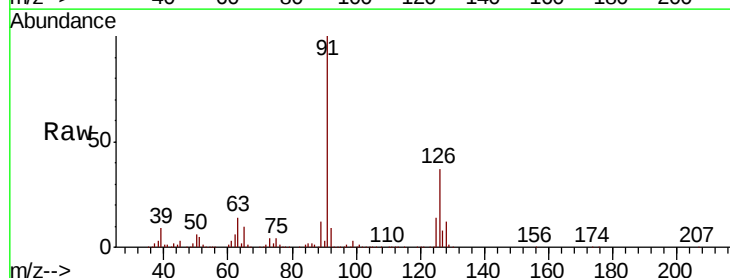
Acq: 3 Jan 2019 17:11

Tgt Ion: 91 Resp: 1228397

Ion Ratio Lower Upper

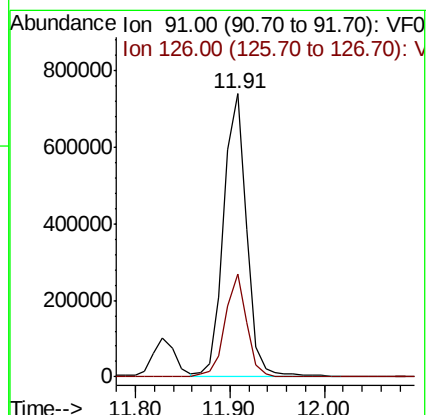
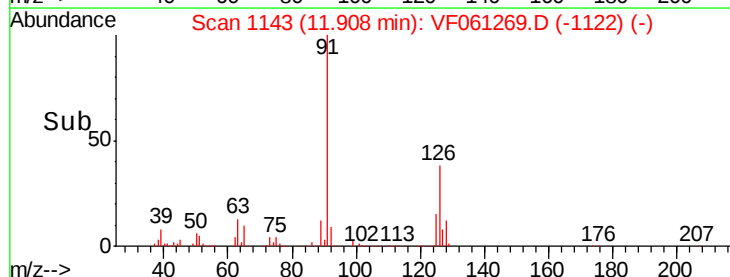
91 100

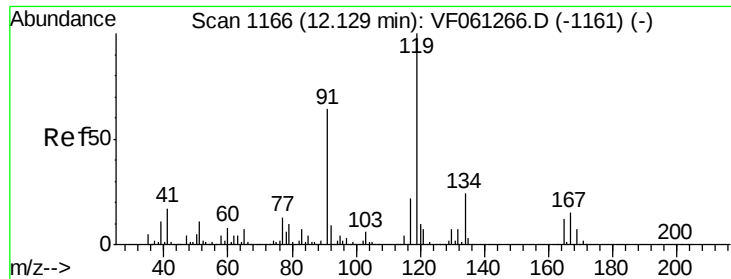
126 36.5 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

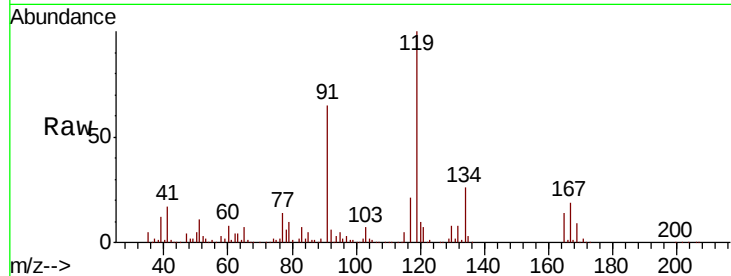




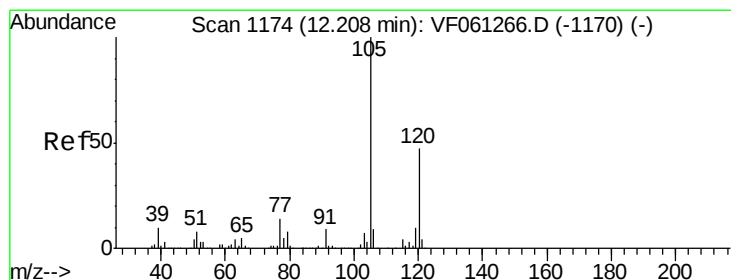
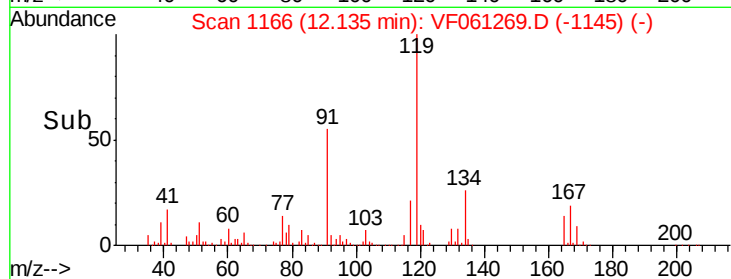
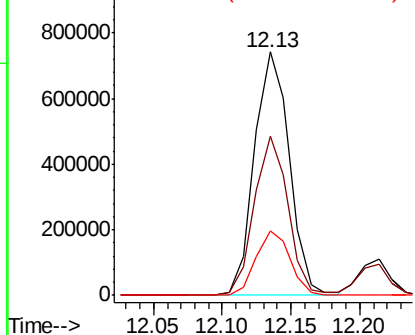
#83
 tert-Butylbenzene
 Concen: 116.047 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 1318525
 Ion Ratio Lower Upper
 119 100
 91 65.2 32.0 96.0
 134 26.3 12.1 36.3

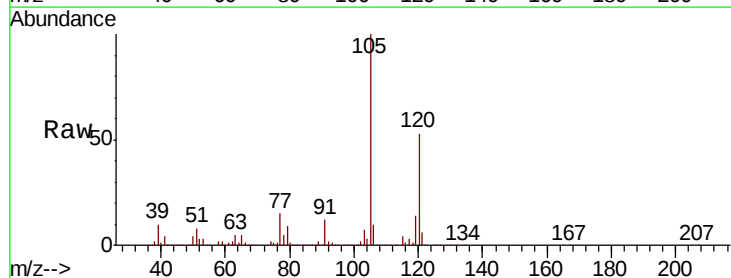


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

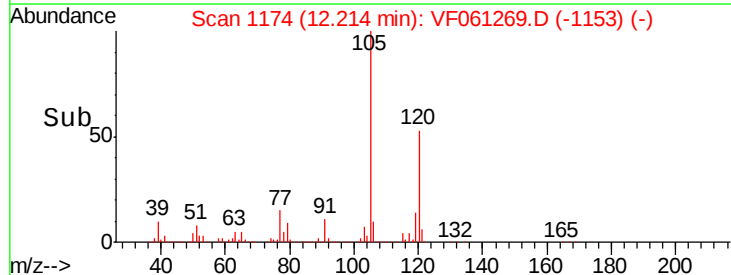
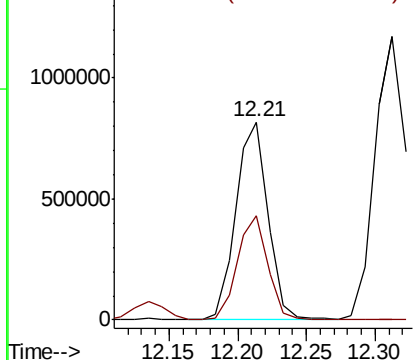


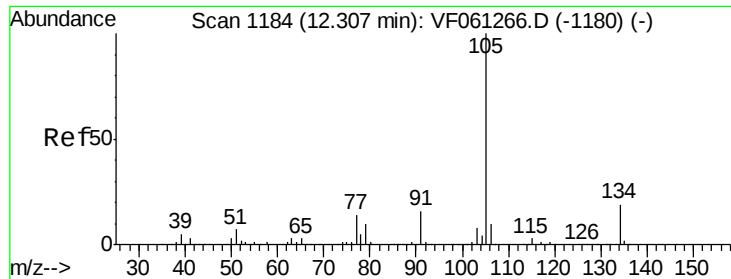
#84
 1,2,4-Trimethylbenzene
 Concen: 120.352 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion:105 Resp: 1326488
 Ion Ratio Lower Upper
 105 100
 120 52.6 23.3 69.9



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

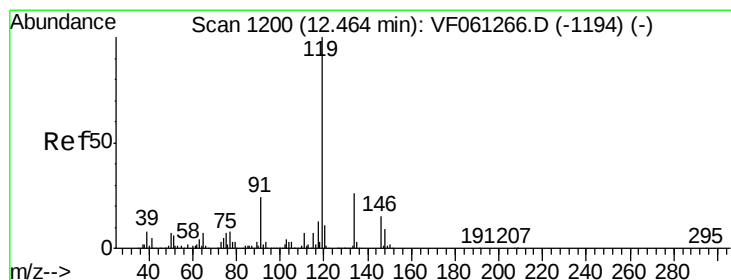
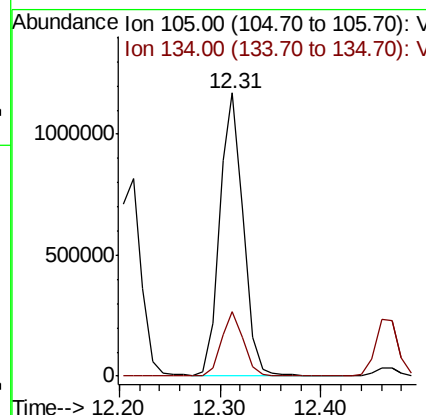
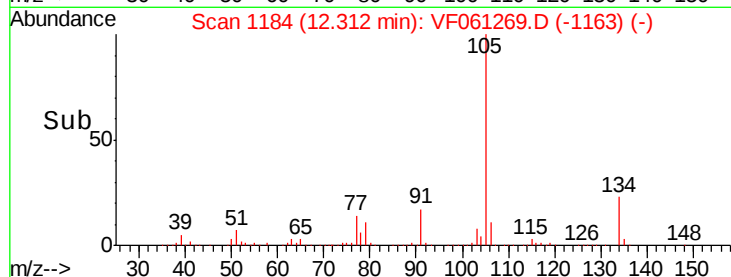
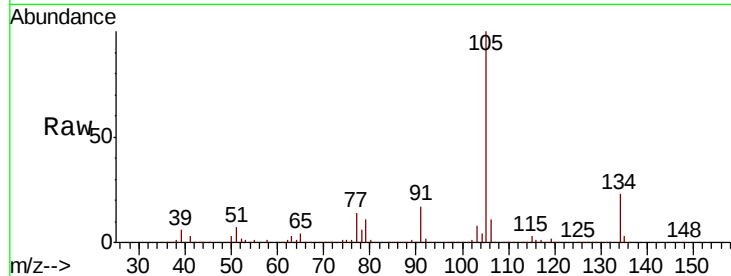




#85
 sec-Butylbenzene
 Concen: 126.321 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

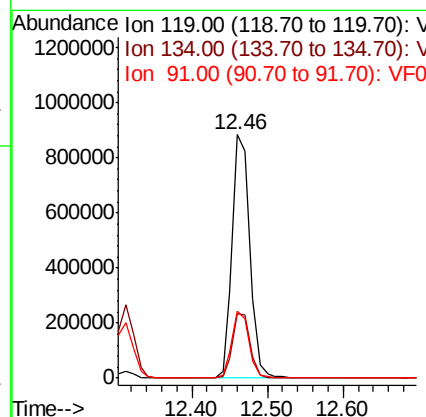
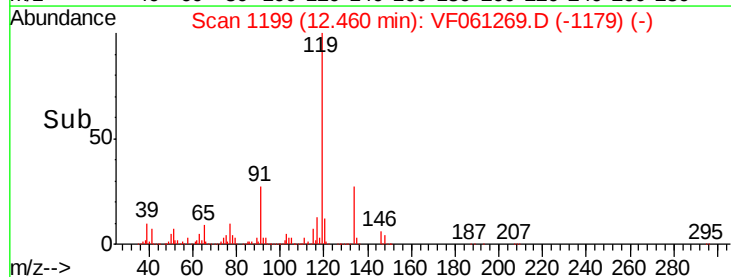
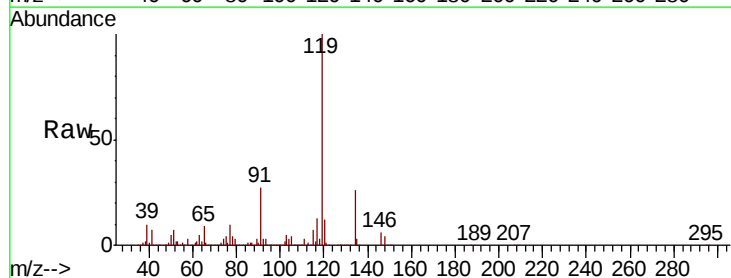
Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC150

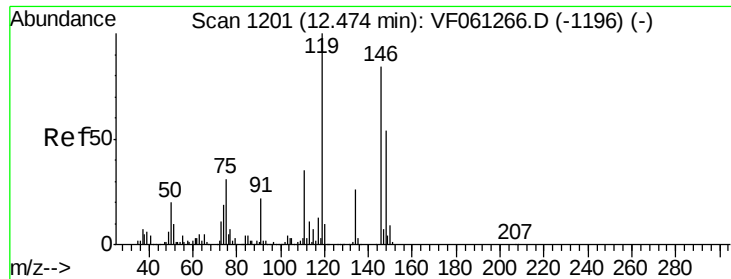
Tgt Ion:105 Resp: 1887688
 Ion Ratio Lower Upper
 105 100
 134 22.8 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 114.897 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion:119 Resp: 1427797
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.6
 91 27.3 11.9 35.7

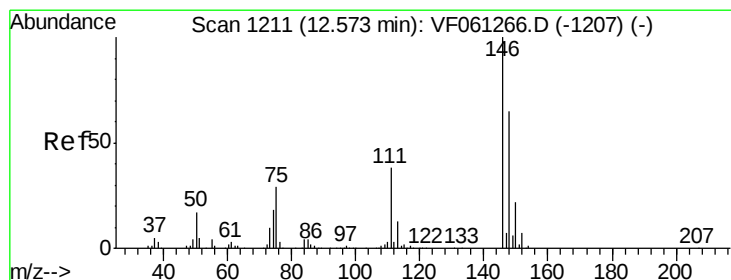
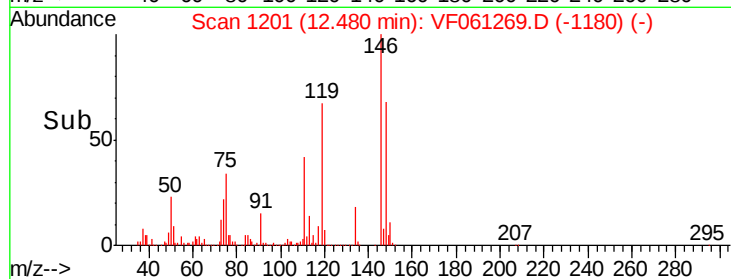
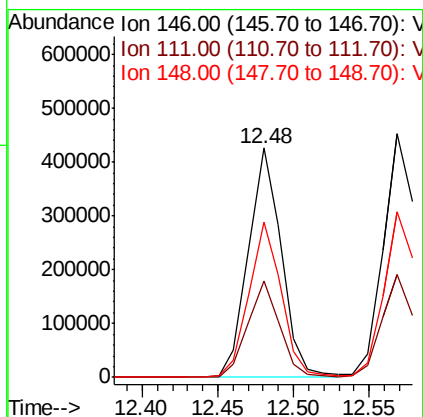
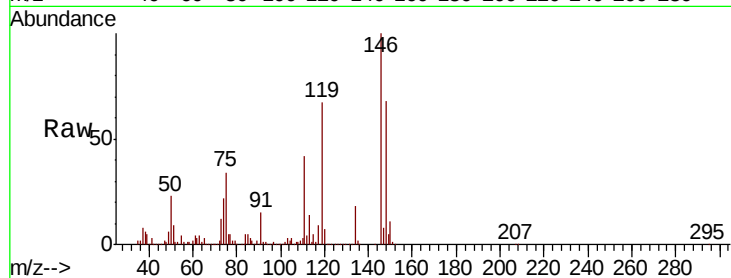




#87
 1,3-Dichlorobenzene
 Concen: 118.904 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

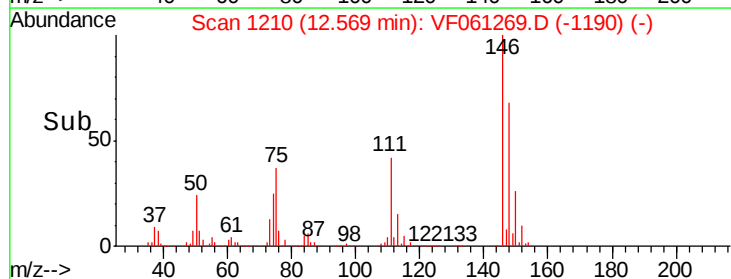
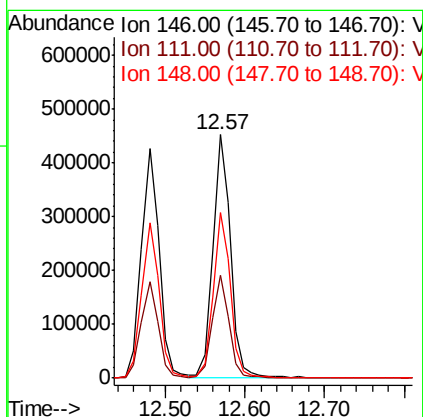
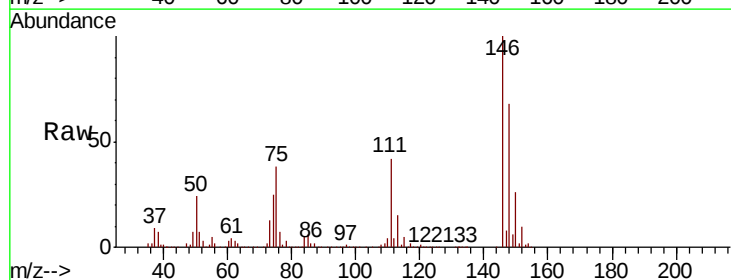
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

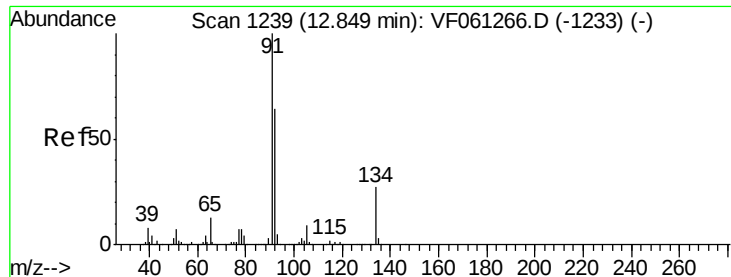
Tgt Ion:146 Resp: 651832
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.9 62.8
 148 67.7 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 131.338 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion:146 Resp: 705692
 Ion Ratio Lower Upper
 146 100
 111 42.3 19.3 57.9
 148 68.0 32.6 98.0

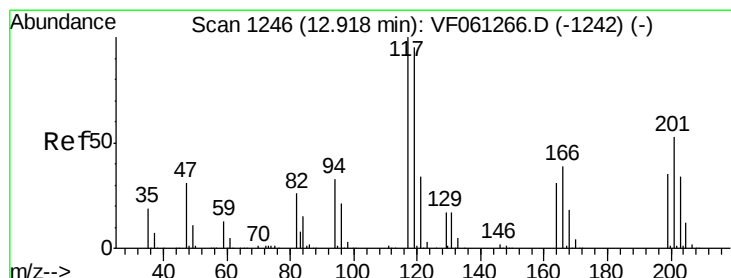
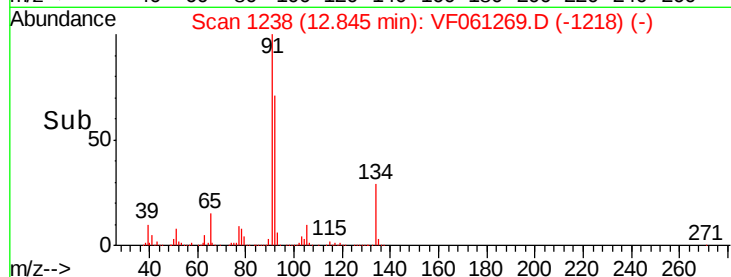
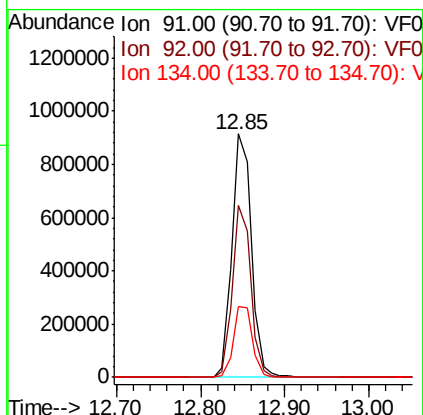
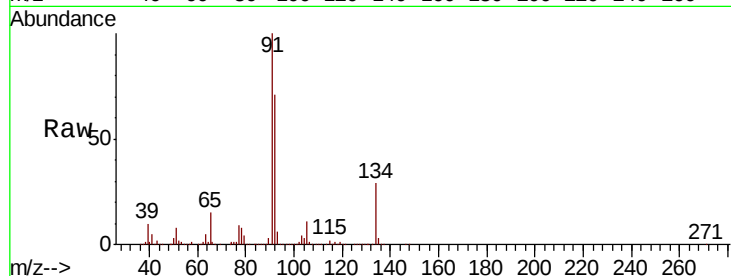




#89
n-Butylbenzene
Concen: 114.597 ug/l
RT: 12.85 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

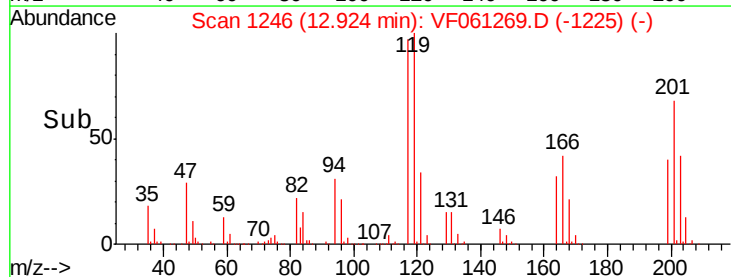
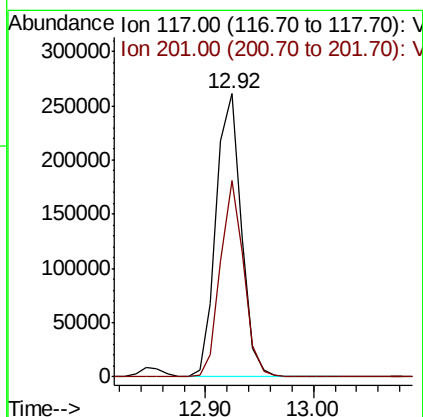
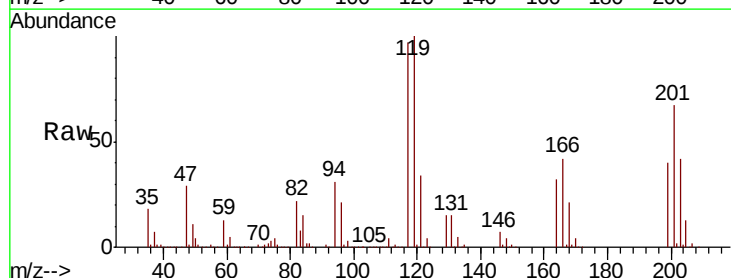
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

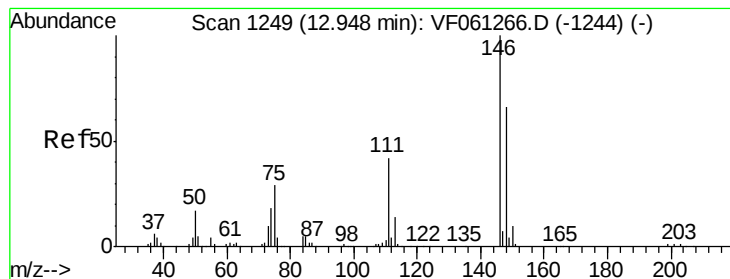
Tgt Ion: 91 Resp: 1470761
Ion Ratio Lower Upper
91 100
92 70.6 31.9 95.7
134 28.9 13.6 40.7



#90
Hexachloroethane
Concen: 138.123 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion: 117 Resp: 423649
Ion Ratio Lower Upper
117 100
201 69.5 26.6 79.7





#91

1,2-Dichlorobenzene

Concen: 130.656 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

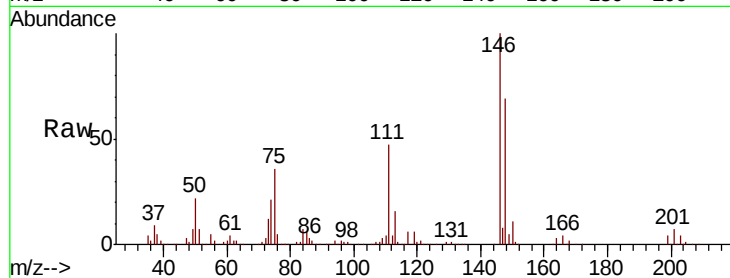
Tgt Ion:146 Resp: 674309

Ion Ratio Lower Upper

146 100

111 46.8 21.1 63.4

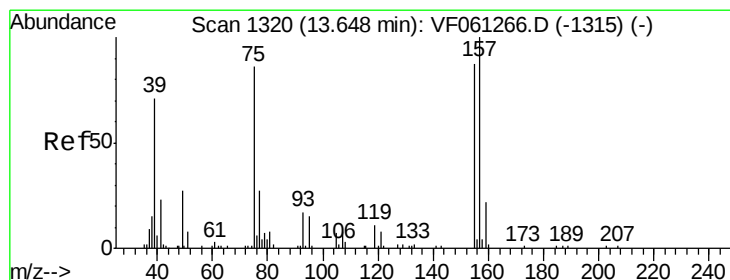
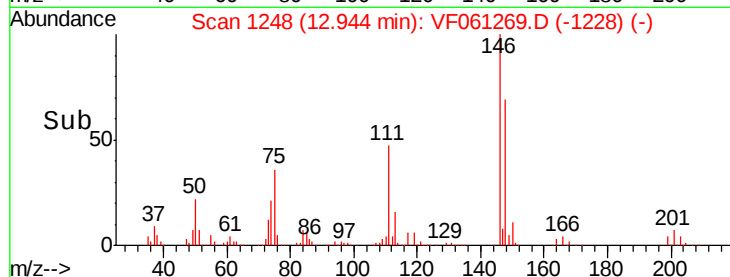
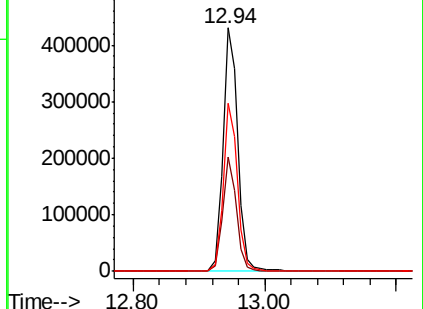
148 69.1 32.8 98.4



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: 160.911 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

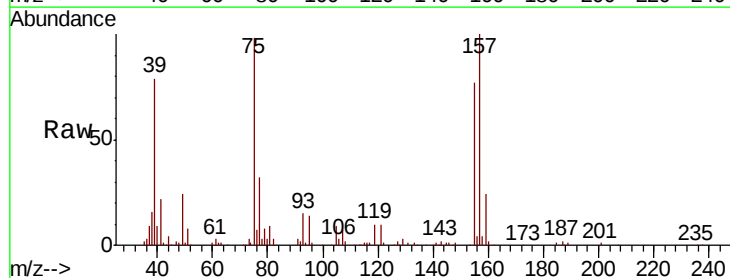
Tgt Ion: 75 Resp: 64846

Ion Ratio Lower Upper

75 100

155 78.8 50.6 151.8

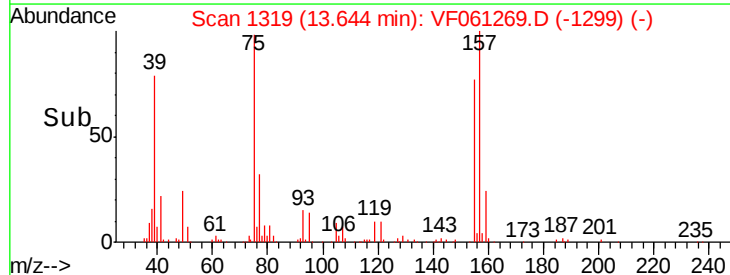
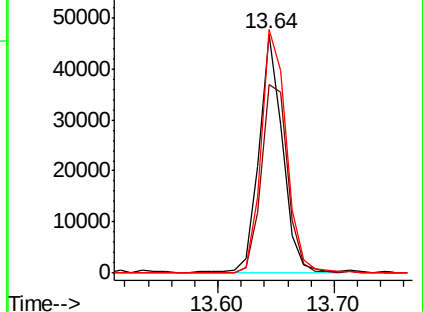
157 102.1 58.0 173.9

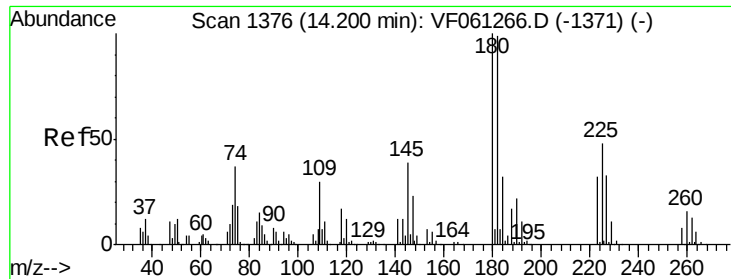


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

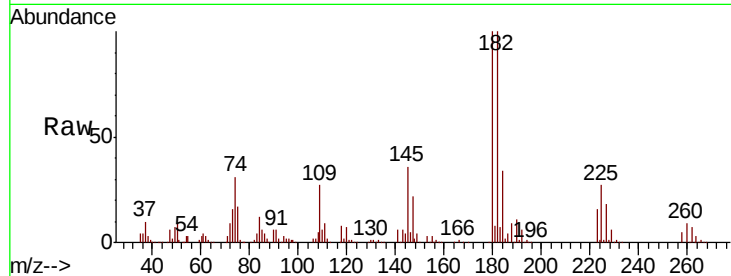




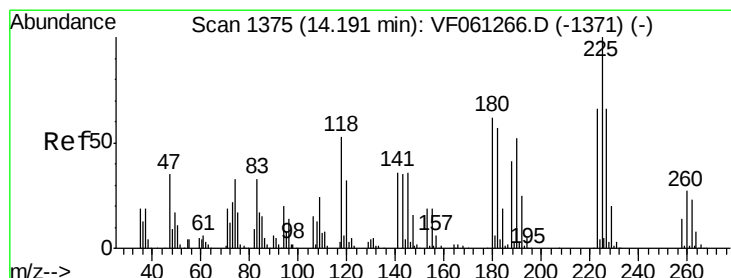
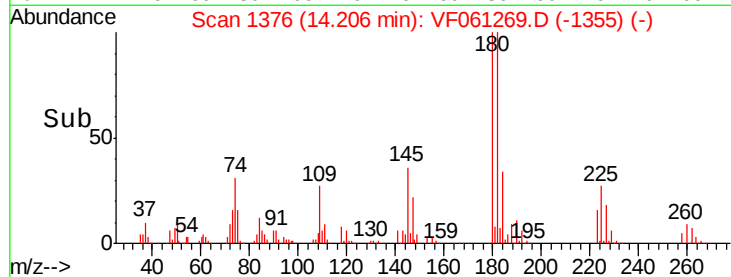
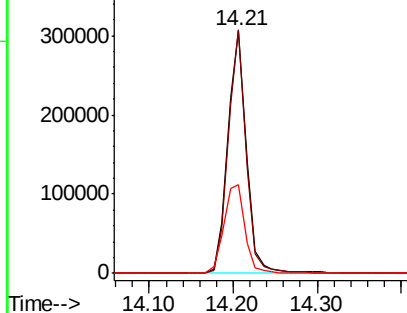
#93
 1,2,4-Trichlorobenzene
 Concen: 127.933 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 470536
 Ion Ratio Lower Upper
 180 100
 182 100.3 49.5 148.3
 145 36.3 19.7 59.0

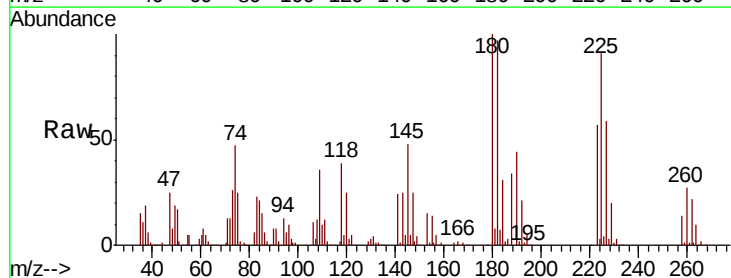


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

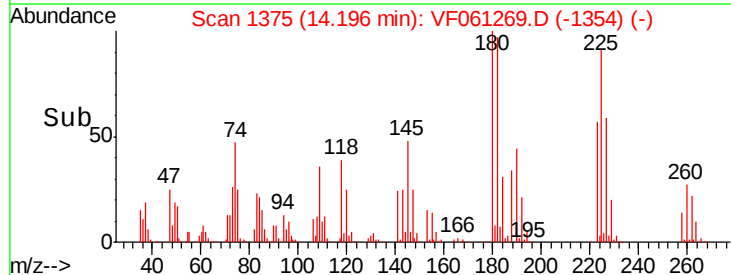
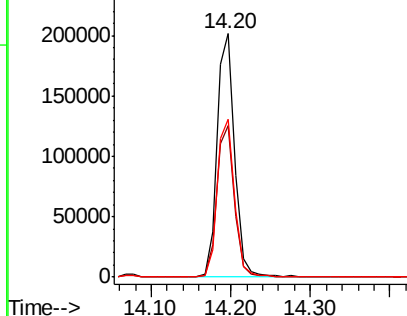


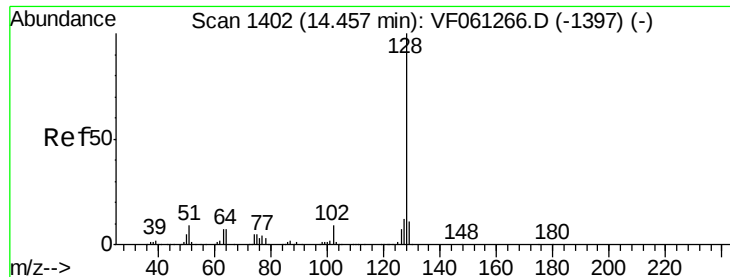
#94
 Hexachlorobutadiene
 Concen: 134.326 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion:225 Resp: 314527
 Ion Ratio Lower Upper
 225 100
 223 62.4 33.0 99.0
 227 64.8 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

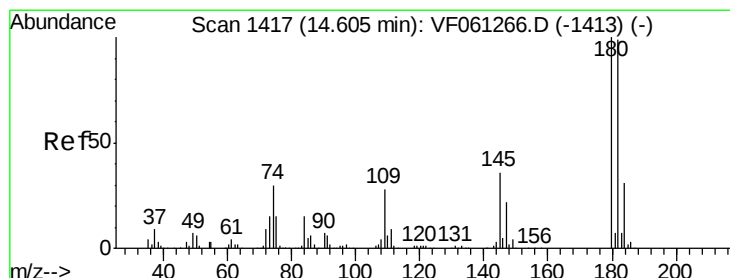
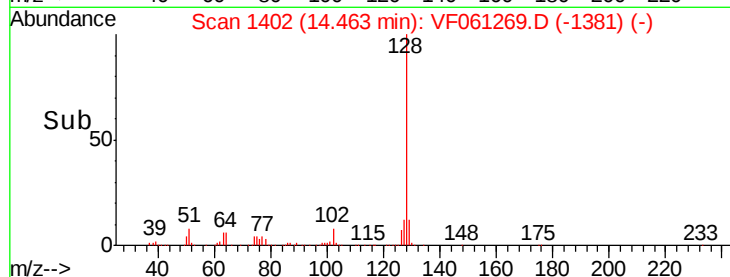
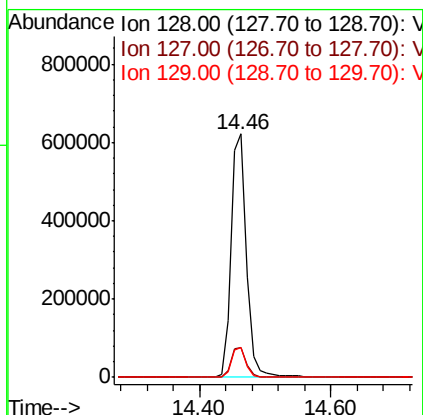
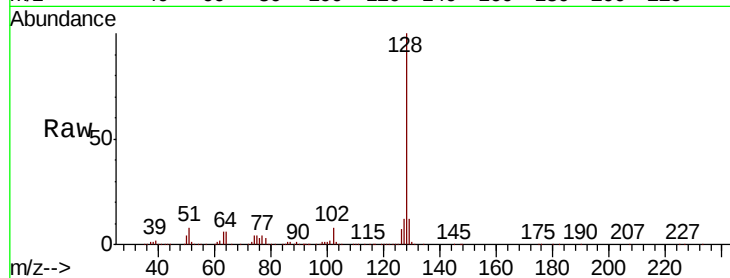




#95
Naphthalene
Concen: 153.673 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1021199
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.6
129 12.1 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 140.421 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion:180 Resp: 472463
Ion Ratio Lower Upper
180 100
182 98.4 49.5 148.5
145 37.0 18.0 54.0

