

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
 Data File : VF061275.D
 Acq On : 7 Jan 2019 13:16
 Operator : VA/AP
 Sample : VF0107SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

Quant Time: Jan 08 00:14:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	216266	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	365780	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	328444	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	161803	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	137121	49.95	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	4.09	113	154184	54.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.58%	
50) Toluene-d8	7.53	98	428285	51.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.39	95	190572	51.50	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	82096	19.770	ug/l	100
3) Chloromethane	1.09	50	68148	21.423	ug/l #	87
4) Vinyl Chloride	1.14	62	60670	22.018	ug/l	94
5) Bromomethane	1.29	94	38451	20.411	ug/l	85
6) Chloroethane	1.37	64	26100	20.901	ug/l	97
7) Trichlorofluoromethane	1.46	101	101659	20.502	ug/l	99
8) Diethyl Ether	1.62	74	14960	21.148	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	52145	21.049	ug/l	94
10) Methyl Iodide	1.89	142	51909	12.969	ug/l	97
11) Tert butyl alcohol	2.56	59	10339	89.253	ug/l	100
12) 1,1-Dichloroethene	1.78	96	25370	12.183	ug/l	97
13) Acrolein	1.98	56	11795	122.122	ug/l	96
14) Allyl chloride	2.08	41	80060	27.809	ug/l	98
15) Acrylonitrile	2.93	53	32025	103.410	ug/l	100
16) Acetone	2.22	43	67939	133.700	ug/l	98
17) Carbon Disulfide	1.79	76	139843	22.054	ug/l	95
18) Methyl Acetate	2.34	43	19417	16.920	ug/l	93
19) Methyl tert-butyl Ether	2.42	73	82528	19.013	ug/l #	88
20) Methylene Chloride	2.17	84	25469	7.915	ug/l	95
21) trans-1,2-Dichloroethene	2.30	96	44665	20.393	ug/l	90
22) Diisopropyl ether	2.78	45	150508	20.791	ug/l	99
23) Vinyl Acetate	3.17	43	235360	70.995	ug/l	98
24) 1,1-Dichloroethane	2.85	63	90602	21.347	ug/l	99
25) 2-Butanone	4.30	43	94691	94.806	ug/l	97
26) 2,2-Dichloropropane	3.57	77	58700	24.017	ug/l	98
27) cis-1,2-Dichloroethene	3.45	96	66608	20.696	ug/l	96
28) Bromochloromethane	3.69	49	37455	18.642	ug/l	92
29) Tetrahydrofuran	4.06	42	42227	113.140	ug/l	96
30) Chloroform	3.83	83	113244	19.075	ug/l	98
31) Cyclohexane	3.67	56	95837	21.304	ug/l #	87
32) 1,1,1-Trichloroethane	4.08	97	90897	23.573	ug/l	98
36) 1,1-Dichloropropene	4.25	75	87128	20.225	ug/l	98
37) Ethyl Acetate	4.08	43	38317	22.277	ug/l	85
38) Carbon Tetrachloride	3.97	117	77148	22.369	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	106850	23.203	ug/l	96
40) Benzene	4.61	78	200825	20.541	ug/l	96
41) Methacrylonitrile	4.72	41	19964	21.581	ug/l #	91
42) 1,2-Dichloroethane	4.92	62	65842	20.128	ug/l	92
43) Isopropyl Acetate	6.94	43	40436	17.619	ug/l #	85
44) Trichloroethene	5.48	130	64597	21.226	ug/l	94
45) 1,2-Dichloropropane	6.22	63	53545	21.451	ug/l	99
46) Dibromomethane	6.06	93	31638	19.263	ug/l	91
47) Bromodichloromethane	6.36	83	82014	19.616	ug/l	98
48) Methyl methacrylate	6.69	41	27791	18.700	ug/l	93
49) 1,4-Dioxane	6.68	88	4395	426.811	ug/l	92
51) 4-Methyl-2-Pentanone	8.24	43	168491	111.452	ug/l	98
52) Toluene	7.60	92	128075	20.062	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	63033	18.494	ug/l	93
54) cis-1,3-Dichloropropene	7.28	75	84750	19.564	ug/l	93
55) 1,1,2-Trichloroethane	8.46	97	34876	18.997	ug/l	94
56) Ethyl methacrylate	8.59	69	40542	19.982	ug/l	97
57) 1,3-Dichloropropane	8.83	76	64271	18.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	8140	33.037	ug/l	98
59) 2-Hexanone	9.47	43	127757	110.709	ug/l	99
60) Dibromochloromethane	8.69	129	49897	19.134	ug/l	93
61) 1,2-Dibromoethane	8.96	107	36351	18.347	ug/l	93
64) Tetrachloroethene	8.13	164	51677	20.531	ug/l	93
65) Chlorobenzene	9.78	112	135659	20.312	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.90	131	57339	20.906	ug/l	97
67) Ethyl Benzene	9.88	91	253508	20.649	ug/l	99
68) m/p-Xylenes	10.10	106	185053	41.302	ug/l	99
69) o-Xylene	10.69	106	103674	21.390	ug/l	91
70) Styrene	10.76	104	133905	20.069	ug/l	100
71) Bromoform	10.75	173	24618	19.279	ug/l #	92
73) Isopropylbenzene	11.10	105	297055	21.613	ug/l	94
74) N-amyl acetate	11.35	43	77287	22.273	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	50008	20.831	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	36820	20.660	ug/l	94
77) Bromobenzene	11.47	156	59431	20.598	ug/l	100
78) n-propylbenzene	11.57	91	361359	22.058	ug/l	98
79) 2-Chlorotoluene	11.70	91	209678	22.162	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	250272	22.556	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.85	75	21866	26.770	ug/l	98
82) 4-Chlorotoluene	11.88	91	205185	21.393	ug/l	93
83) tert-Butylbenzene	12.11	119	257257	22.487	ug/l	96
84) 1,2,4-Trimethylbenzene	12.18	105	240992	21.817	ug/l	95
85) sec-Butylbenzene	12.29	105	347441	22.389	ug/l	98
86) p-Isopropyltoluene	12.44	119	286622	22.416	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	122293	21.965	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	109913	20.233	ug/l	97
89) n-Butylbenzene	12.82	91	298762	22.128	ug/l	95
90) Hexachloroethane	12.90	117	68557	21.733	ug/l	80
91) 1,2-Dichlorobenzene	12.92	146	113832	21.165	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.62	75	7887	18.282	ug/l	93

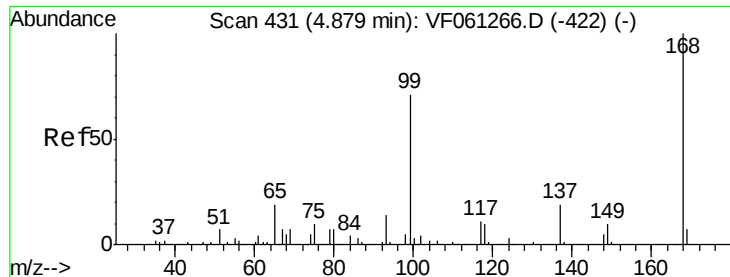
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
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Quant Title : SW846 8260
QLast Update : Fri Jan 04 03:27:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	83897	22.277	ug/l	95
94) Hexachlorobutadiene	14.18	225	52957	22.070	ug/l	95
95) Naphthalene	14.44	128	146177	20.765	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	74296	21.277	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

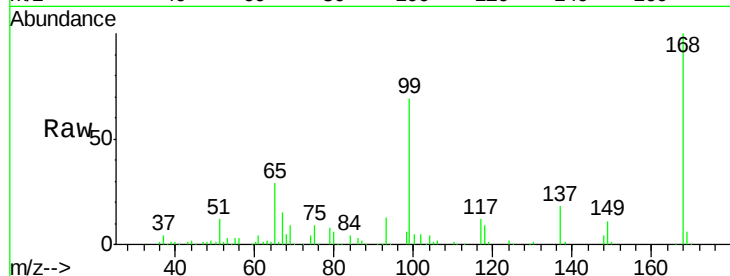
VF0107SBS01

Tot Ion:168 Resp: 216266

Ion Ratio Lower Upper

168 100

99 69.0 57.0 85.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

60000

40000

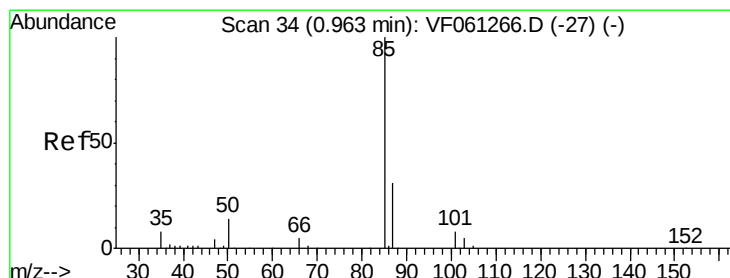
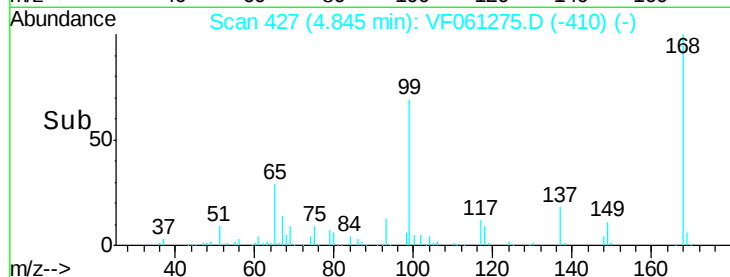
20000

0

Time-->

4.80

5.00



#2

Dichlorodifluoromethane

Concen: 19.770 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061275.D

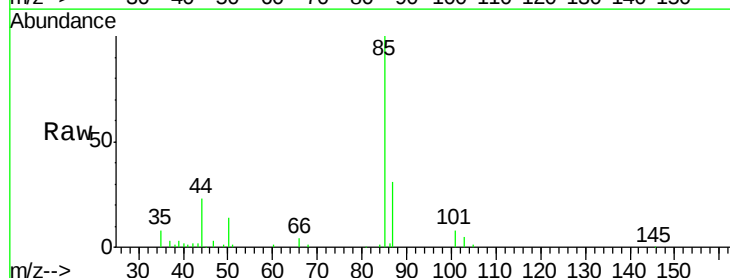
Acq: 7 Jan 2019 13:16

Tgt Ion: 85 Resp: 82096

Ion Ratio Lower Upper

85 100

87 31.1 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

30000

25000

20000

15000

10000

5000

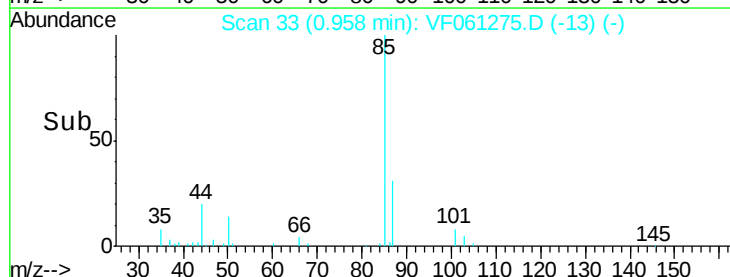
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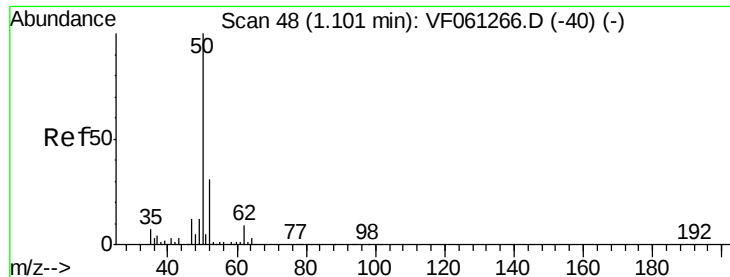
Time-->

0.90

1.00

1.10





#3

Chloromethane

Concen: 21.423 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

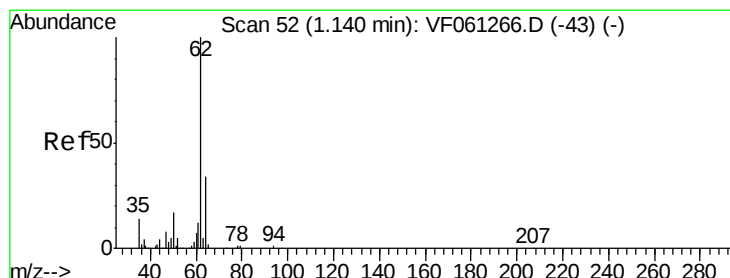
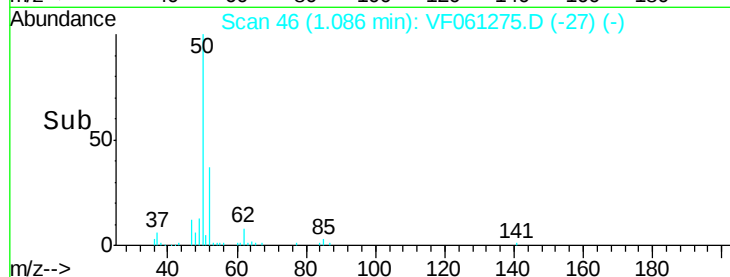
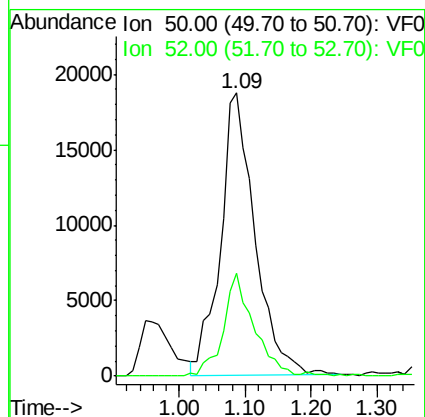
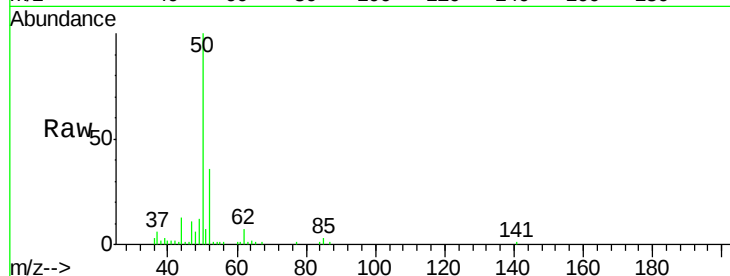
VF0107SBS01

Tot Ion: 50 Resp: 68148

Ion Ratio Lower Upper

50 100

52 36.3 23.4 35.2#



#4

Vinyl Chloride

Concen: 22.018 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061275.D

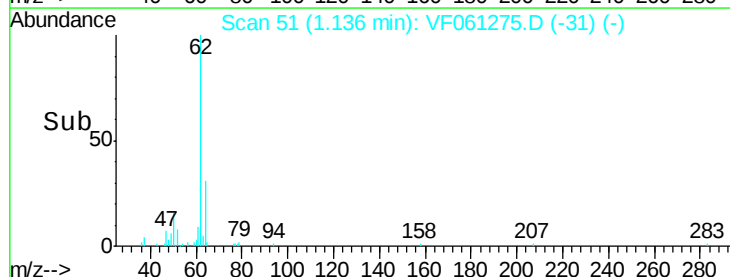
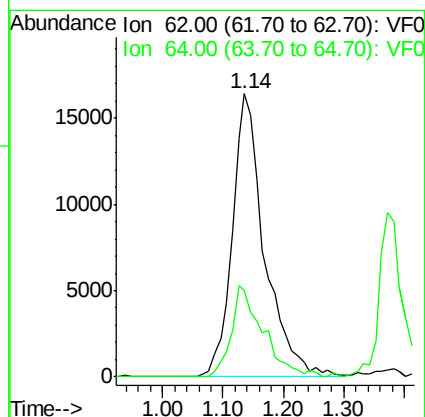
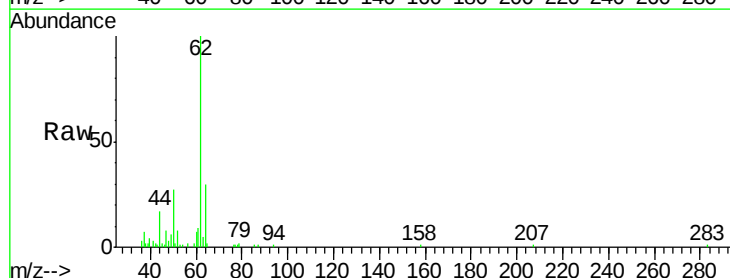
Acq: 7 Jan 2019 13:16

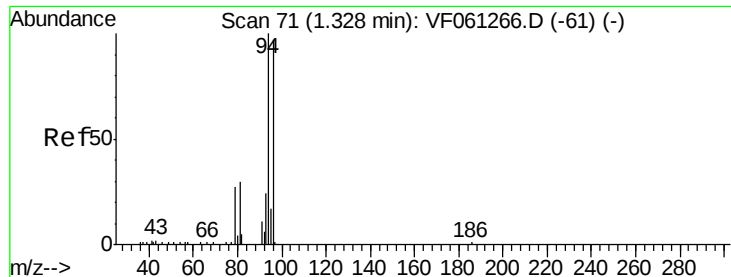
Tgt Ion: 62 Resp: 60670

Ion Ratio Lower Upper

62 100

64 30.4 26.9 40.3





#5

Bromomethane

Concen: 20.411 ug/l

RT: 1.29 min Scan# 67

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

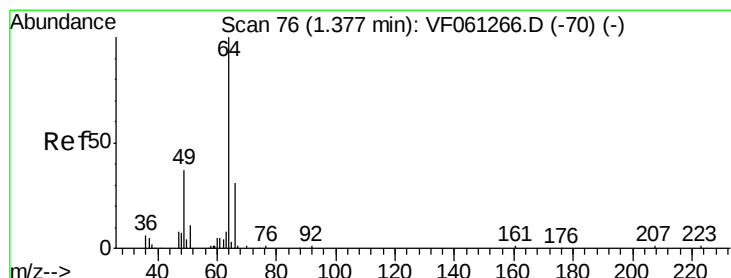
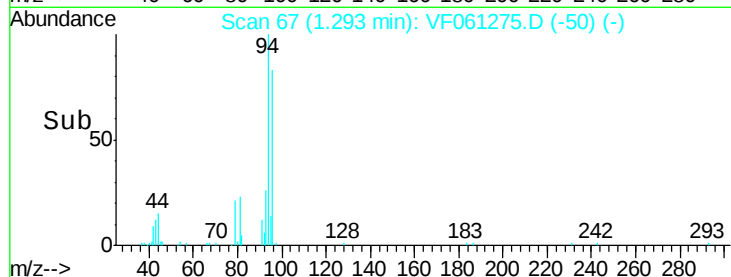
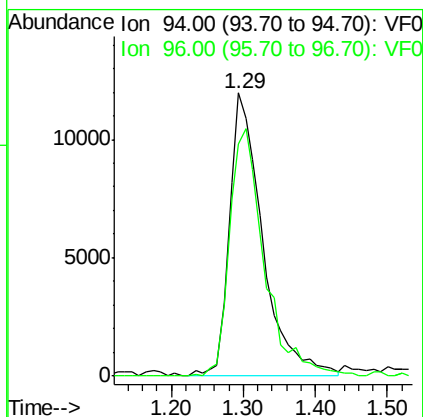
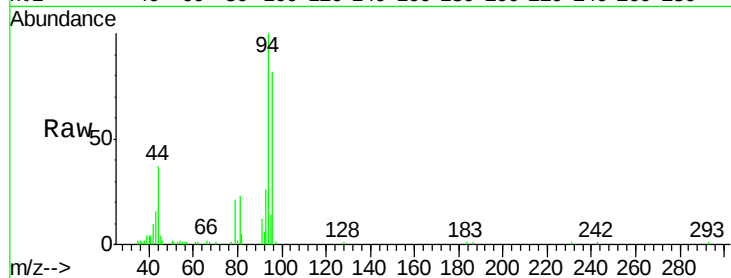
VF0107SBS01

Tot Ion: 94 Resp: 38451

Ion Ratio Lower Upper

94 100

96 82.0 77.2 115.8



#6

Chloroethane

Concen: 20.901 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.00 min

Lab File: VF061275.D

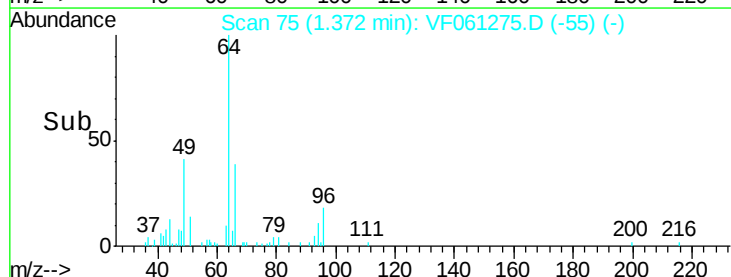
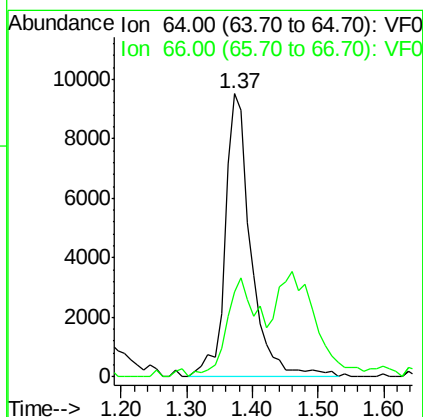
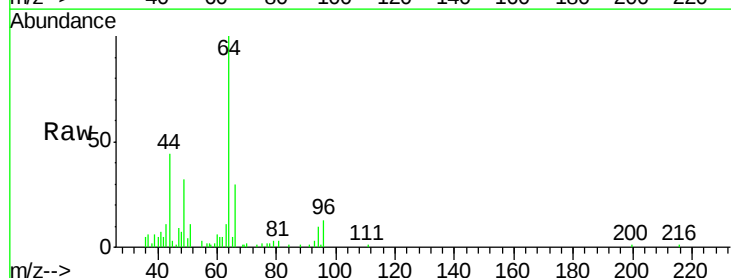
Acq: 7 Jan 2019 13:16

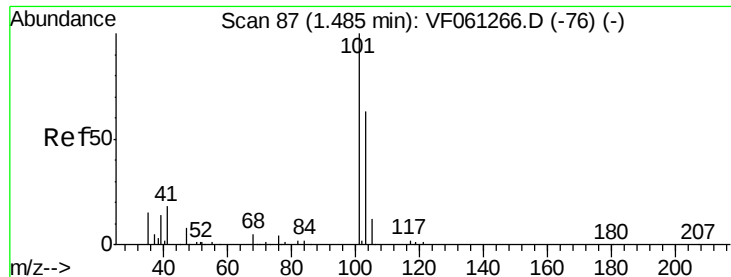
Tgt Ion: 64 Resp: 26100

Ion Ratio Lower Upper

64 100

66 30.0 25.2 37.8



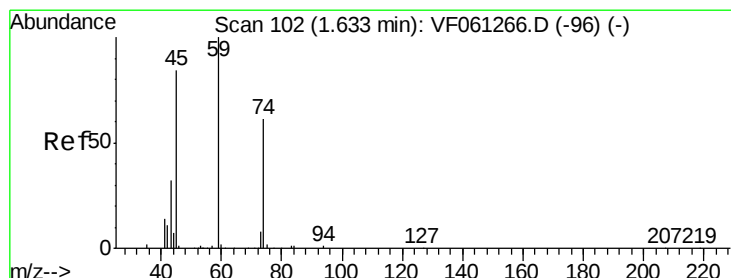
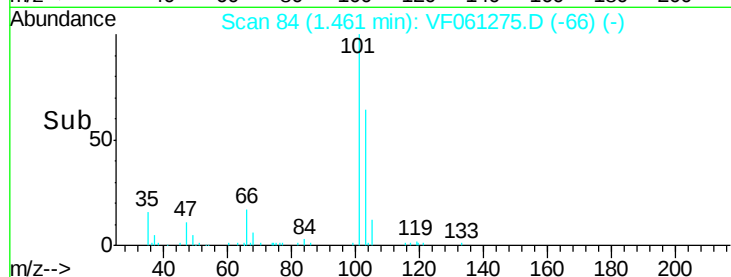
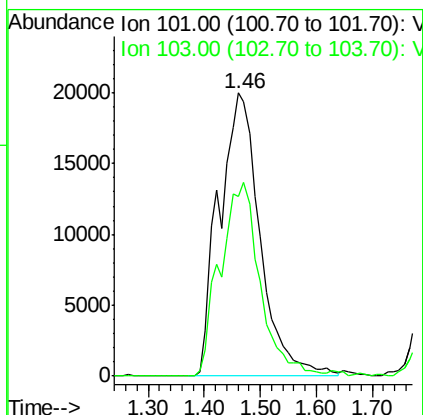
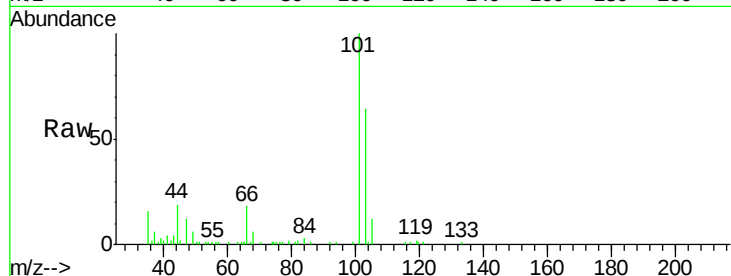


#7

Trichlorofluoromethane
 Concen: 20.502 ug/l
 RT: 1.46 min Scan# 84
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

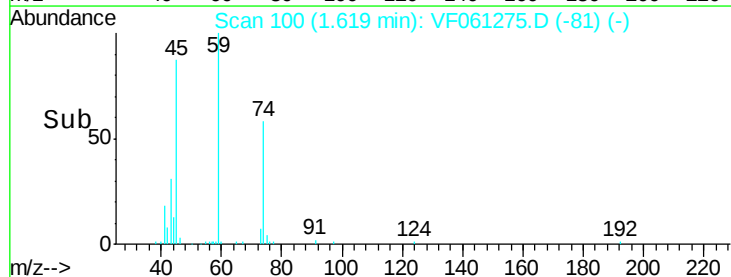
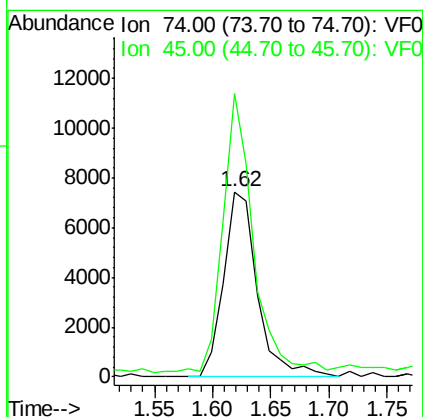
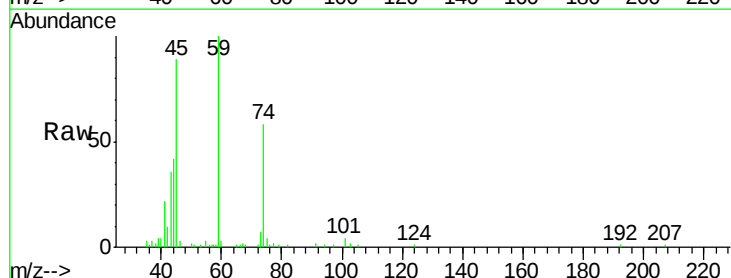
Tot Ion:101 Resp: 101659
 Ion Ratio Lower Upper
 101 100
 103 63.5 50.3 75.5

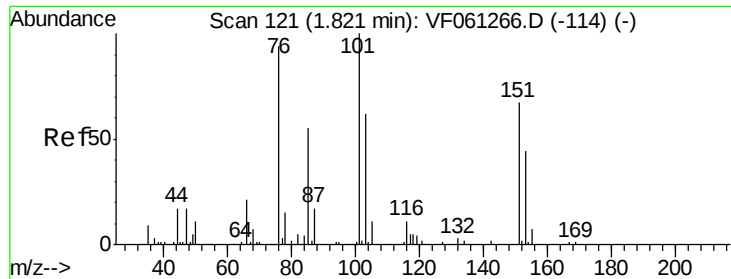


#8

Diethyl Ether
 Concen: 21.148 ug/l
 RT: 1.62 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion: 74 Resp: 14960
 Ion Ratio Lower Upper
 74 100
 45 153.0 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.049 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.00 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

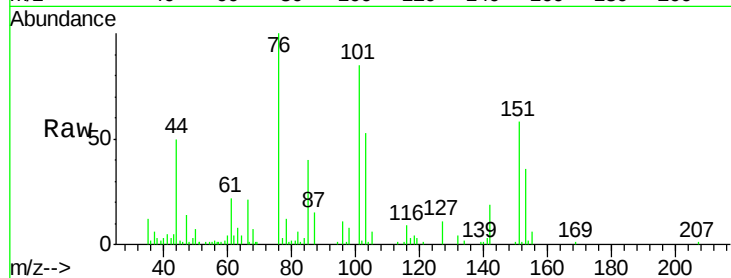
Tot Ion:101 Resp: 52145

Ion Ratio Lower Upper

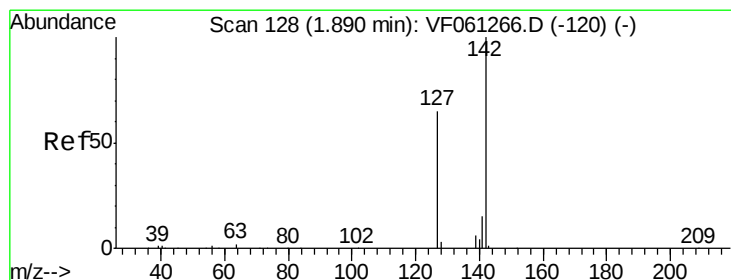
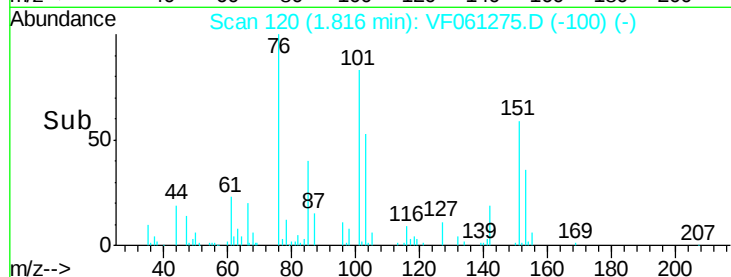
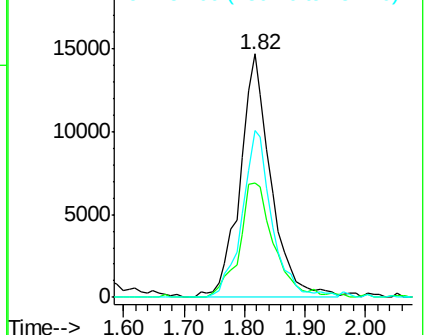
101 100

85 47.0 42.9 64.3

151 68.4 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: 12.969 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

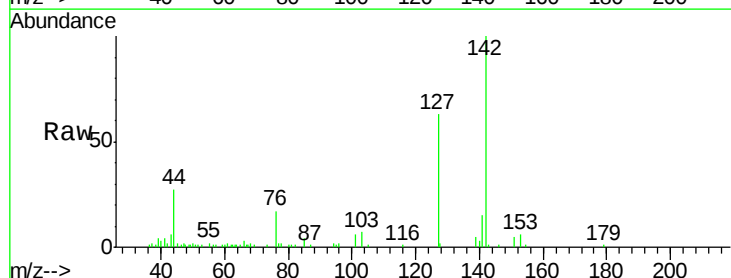
Tgt Ion:142 Resp: 51909

Ion Ratio Lower Upper

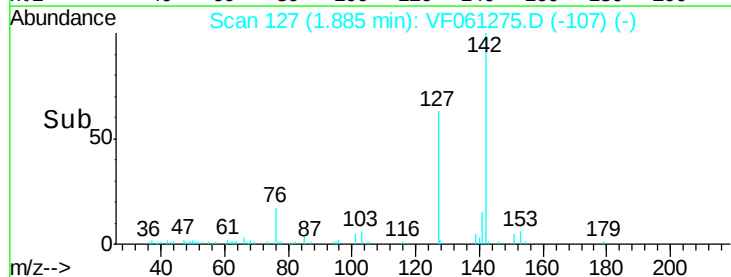
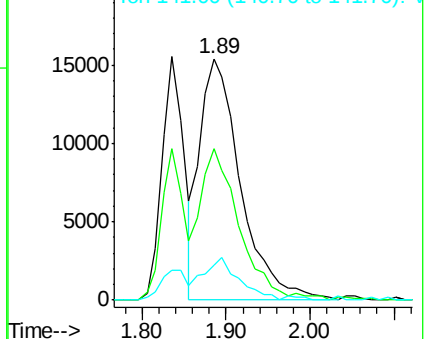
142 100

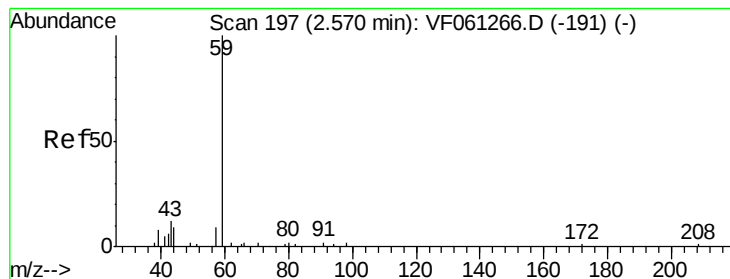
127 62.6 52.3 78.5

141 14.7 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



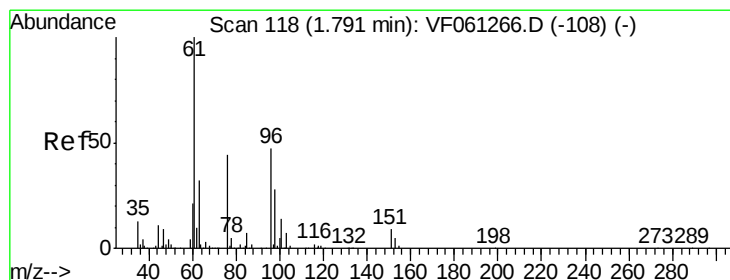
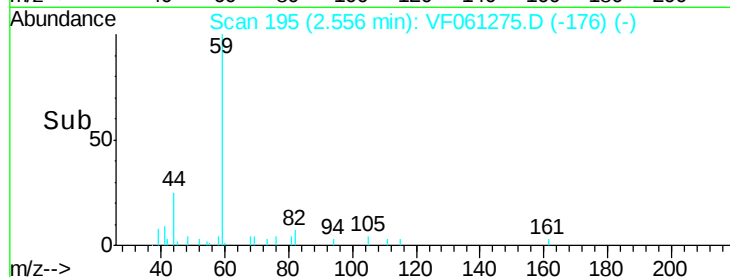
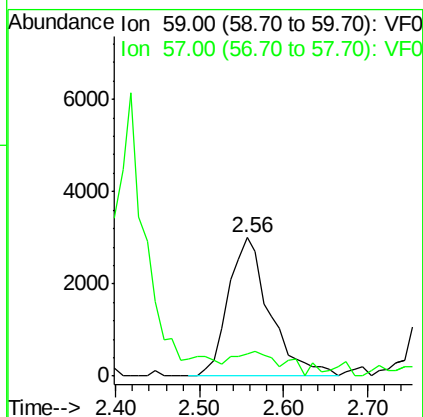
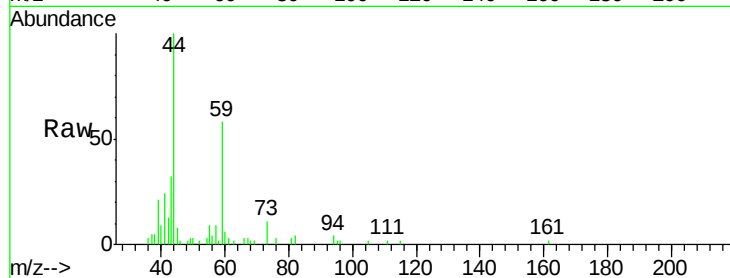


#11

Tert butyl alcohol
Concen: 89.253 ug/l
RT: 2.56 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

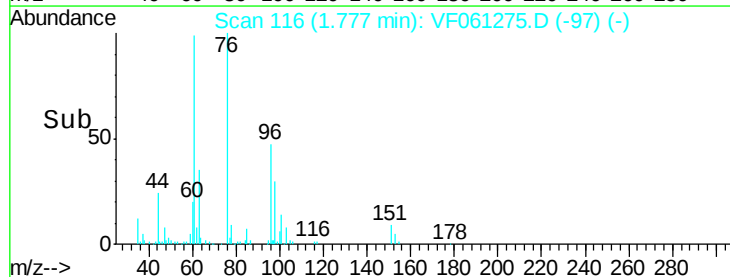
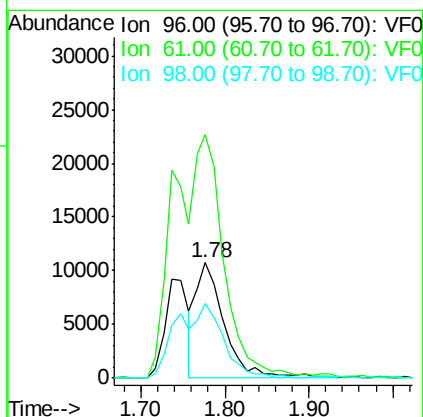
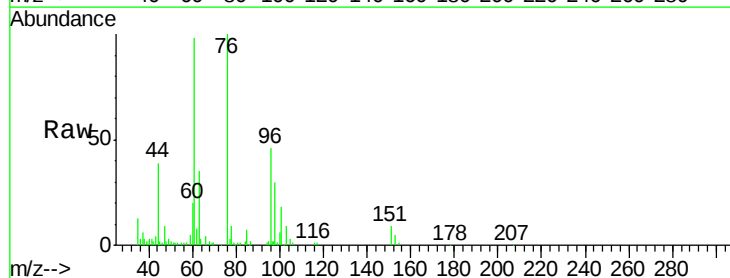
Tot Ion: 59 Resp: 10339
Ion Ratio Lower Upper
59 100
57 15.8 12.6 18.8

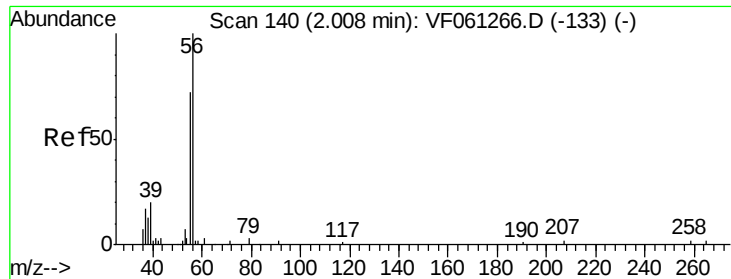


#12

1,1-Dichloroethene
Concen: 12.183 ug/l
RT: 1.78 min Scan# 116
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion: 96 Resp: 25370
Ion Ratio Lower Upper
96 100
61 211.5 171.6 257.4
98 64.7 48.6 72.8





#13

Acrolein

Concen: 122.122 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

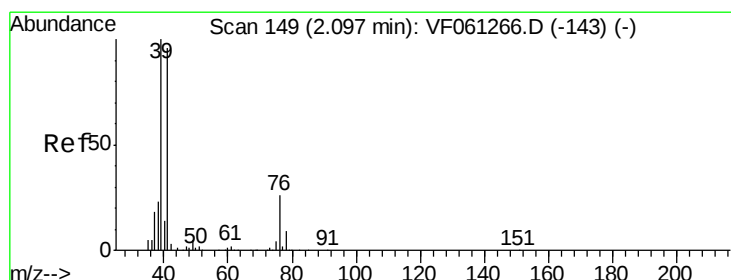
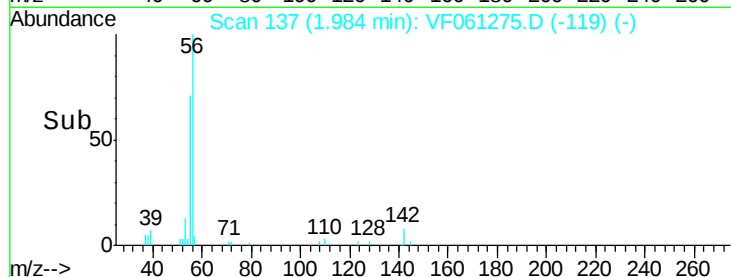
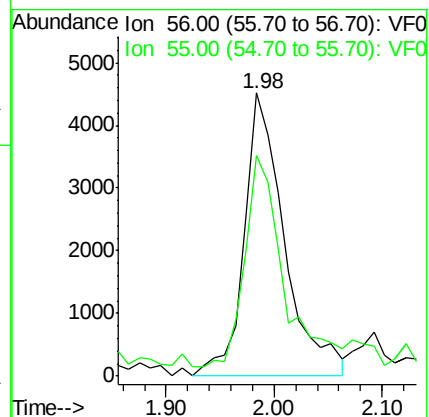
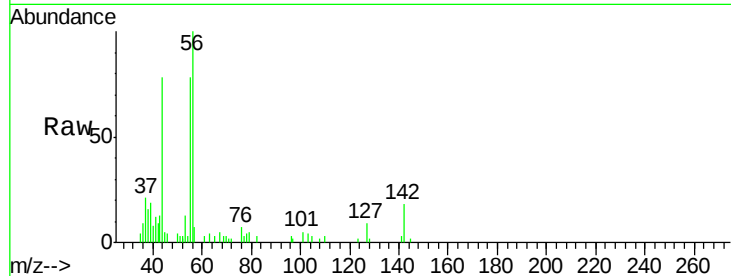
VF0107SBSD01

Tot Ion: 56 Resp: 11795

Ion Ratio Lower Upper

56 100

55 77.8 59.7 89.5



#14

Allyl chloride

Concen: 27.809 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

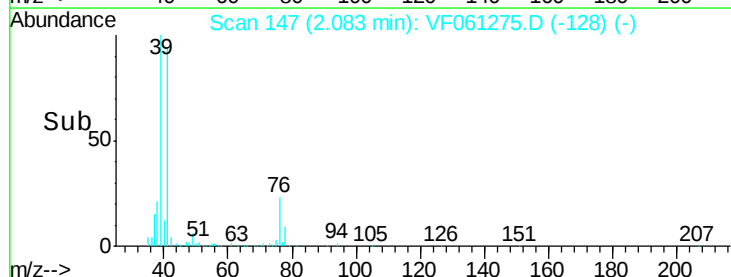
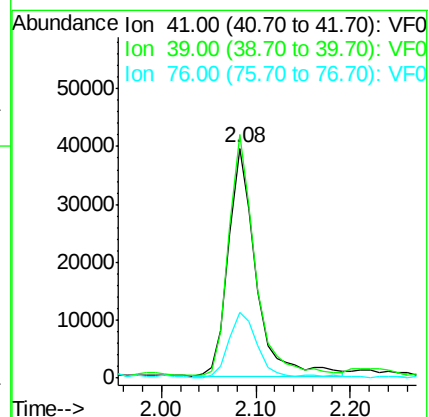
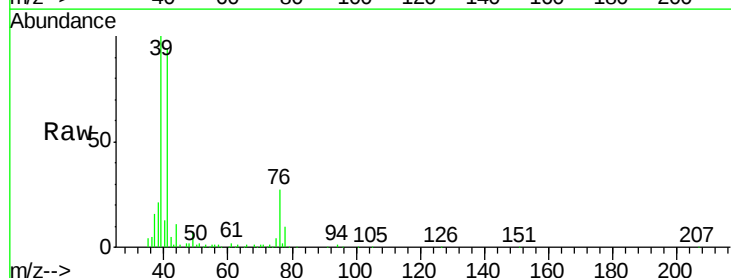
Tgt Ion: 41 Resp: 80060

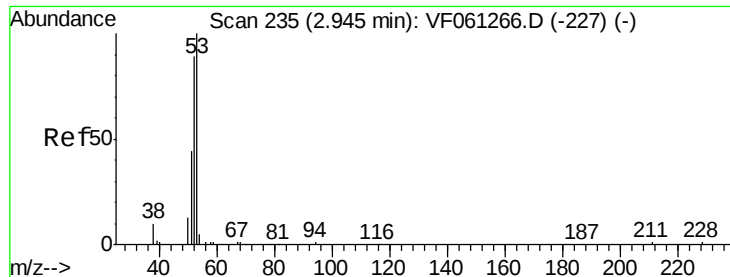
Ion Ratio Lower Upper

41 100

39 105.9 83.4 125.2

76 28.3 23.9 35.9





#15

Acrylonitrile

Concen: 103.410 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

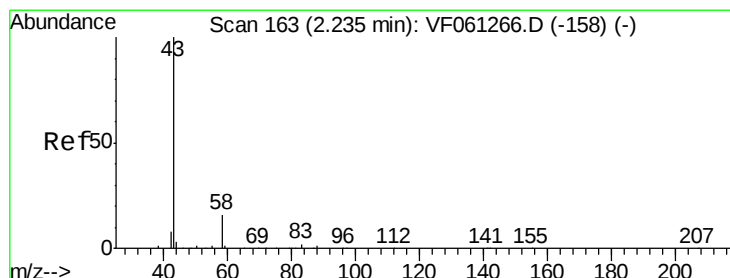
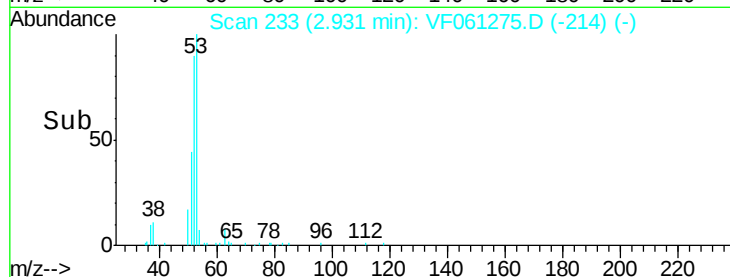
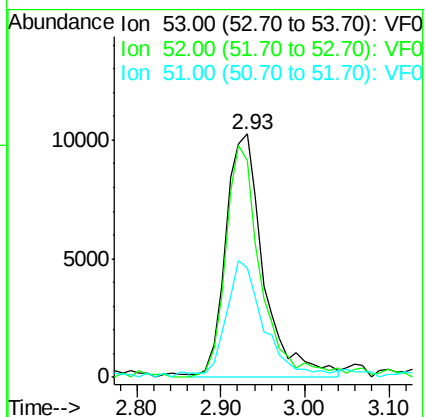
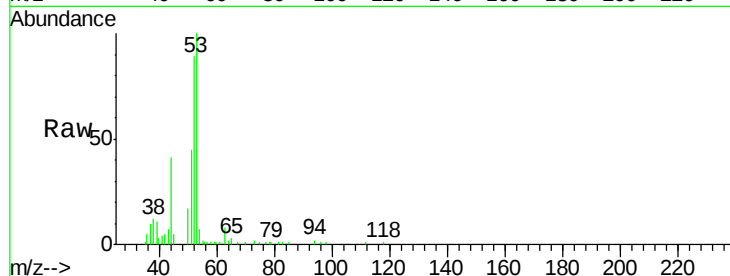
Tot Ion: 53 Resp: 32025

Ion Ratio Lower Upper

53 100

52 89.2 71.3 106.9

51 45.1 36.2 54.4



#16

Acetone

Concen: 133.700 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.01 min

Lab File: VF061275.D

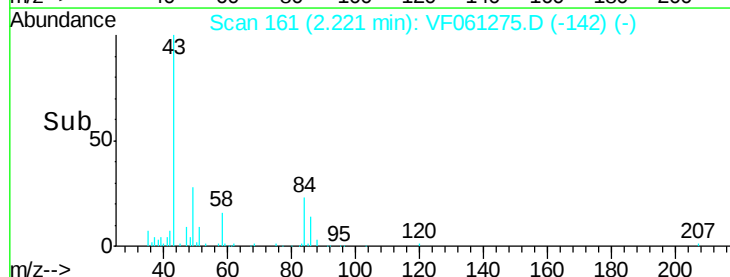
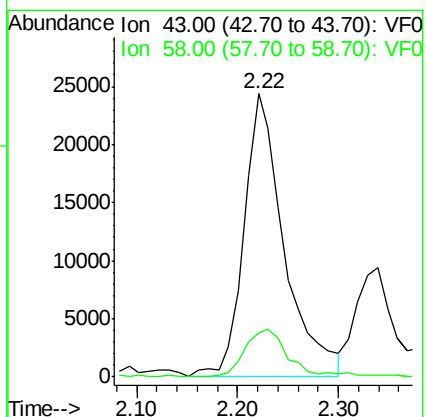
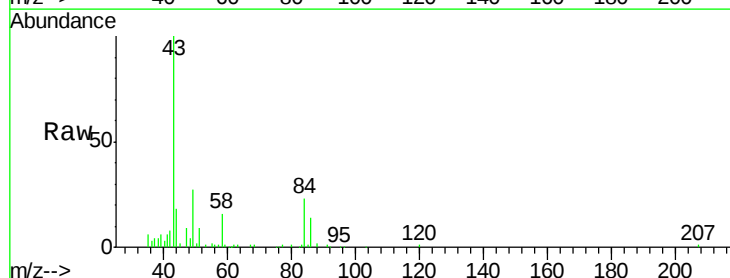
Acq: 7 Jan 2019 13:16

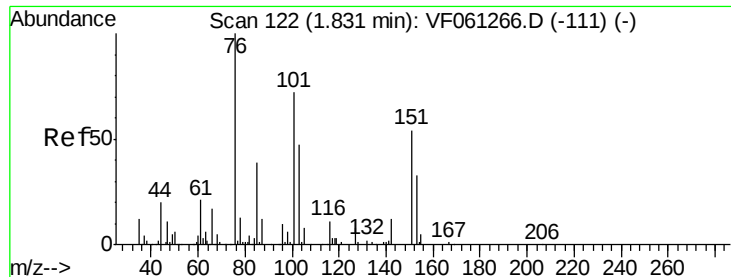
Tgt Ion: 43 Resp: 67939

Ion Ratio Lower Upper

43 100

58 15.5 13.0 19.4

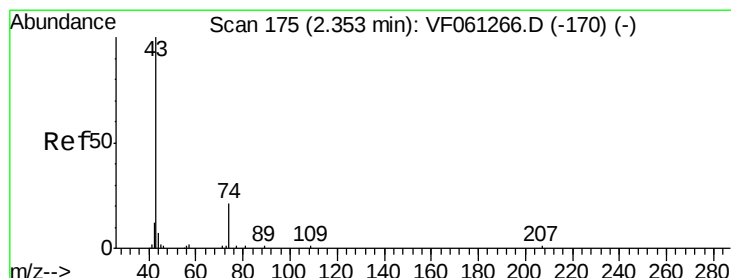
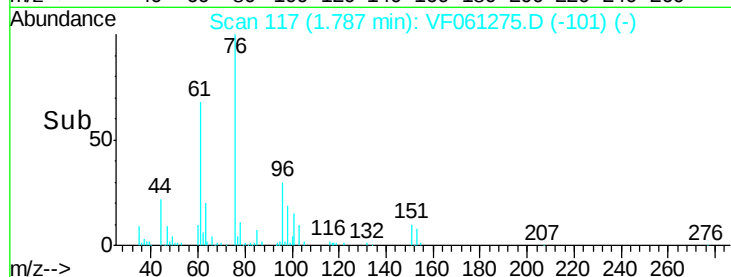
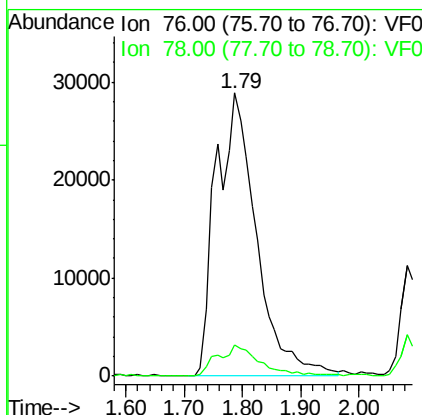
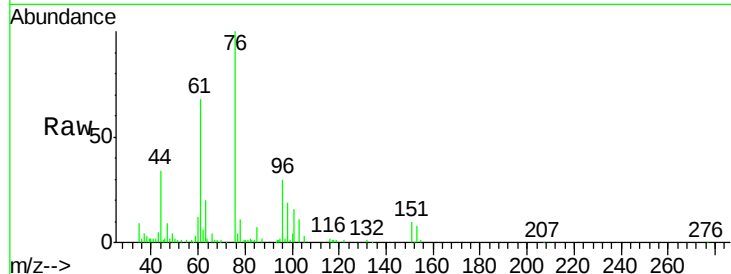




#17
Carbon Disulfide
Concen: 22.054 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.04 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

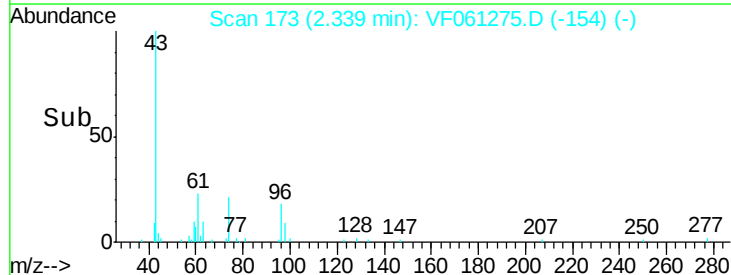
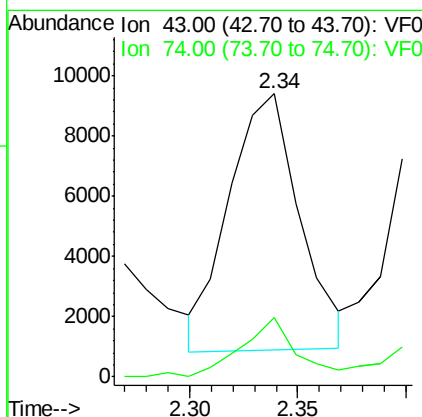
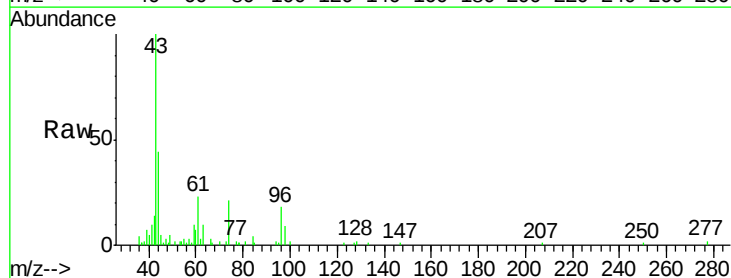
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

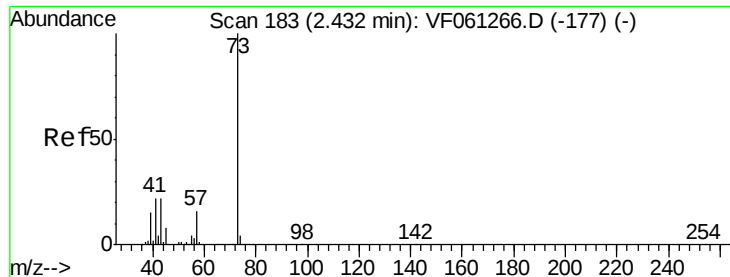
Tot Ion: 76 Resp: 139843
Ion Ratio Lower Upper
76 100
78 11.0 10.2 15.4



#18
Methyl Acetate
Concen: 16.920 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion: 43 Resp: 19417
Ion Ratio Lower Upper
43 100
74 21.1 14.4 21.6

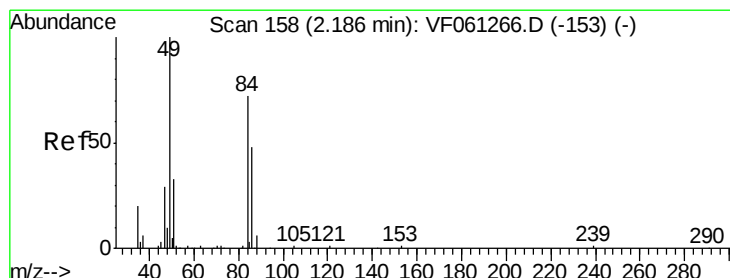
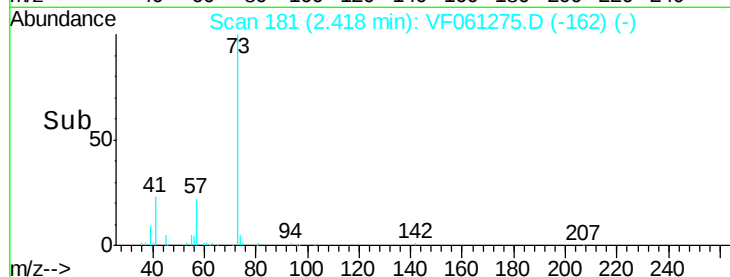
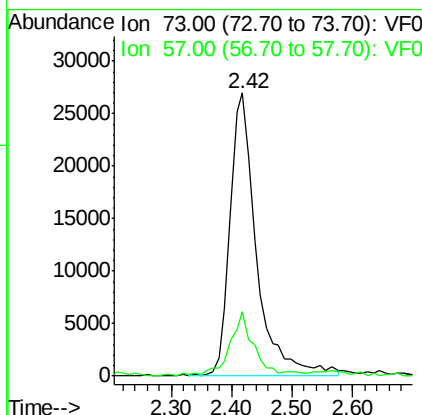
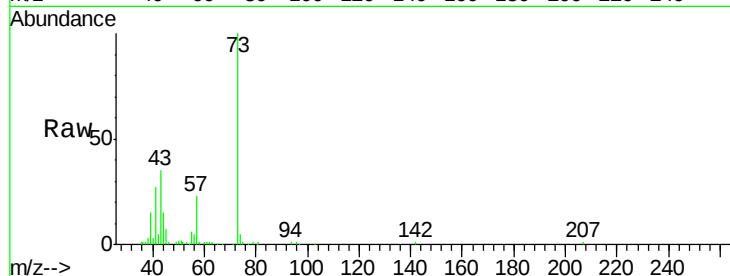




#19
Methvl tert-butvl Ether
Concen: 19.013 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

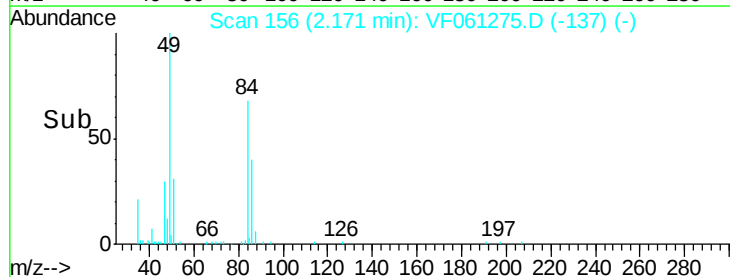
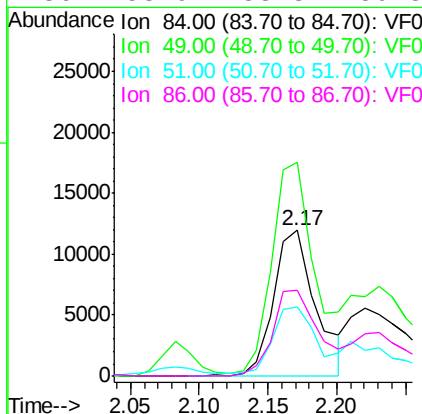
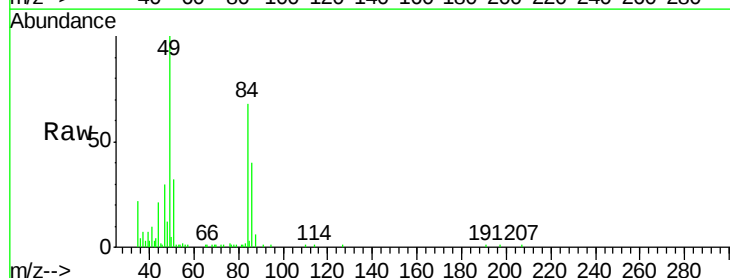
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

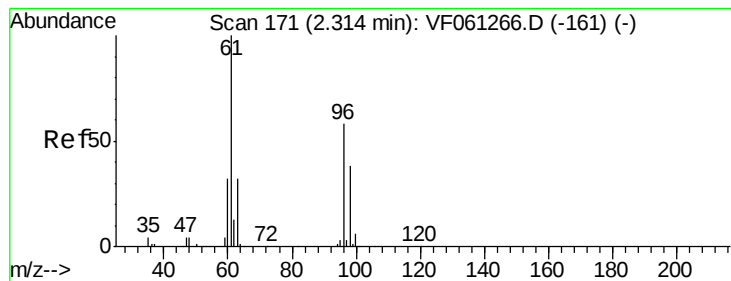
Tot Ion: 73 Resp: 82528
Ion Ratio Lower Upper
73 100
57 22.8 14.0 21.0#



#20
Methylene Chloride
Concen: 7.915 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion: 84 Resp: 25469
Ion Ratio Lower Upper
84 100
49 147.0 112.9 169.3
51 47.5 37.9 56.9
86 58.9 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 20.393 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

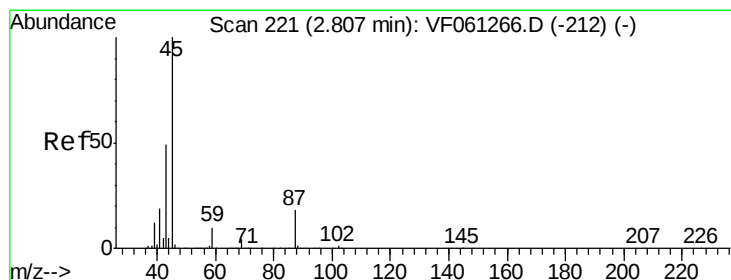
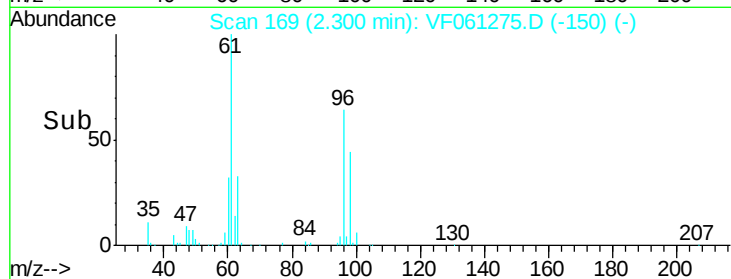
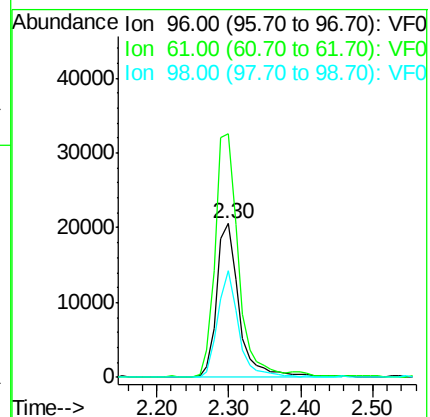
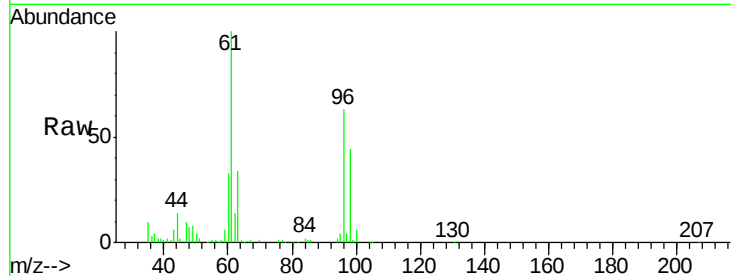
Tot Ion: 96 Resp: 44665

Ion Ratio Lower Upper

96 100

61 158.1 139.3 208.9

98 69.6 52.6 78.8



#22

Diisopropyl ether

Concen: 20.791 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tgt Ion: 45 Resp: 150508

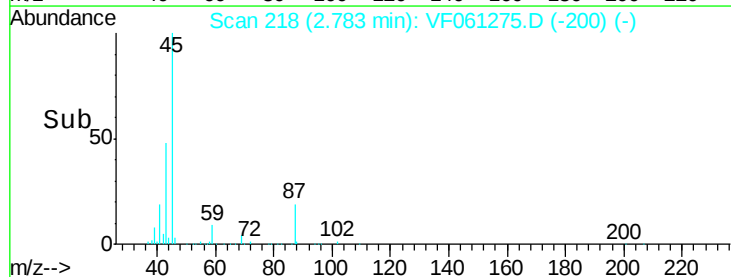
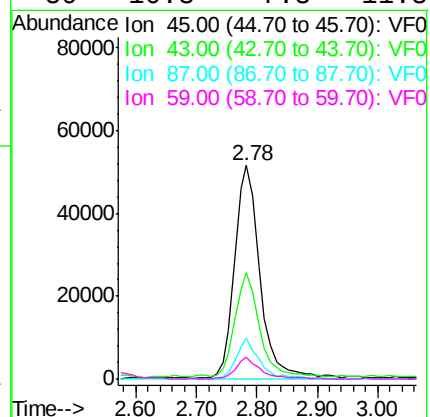
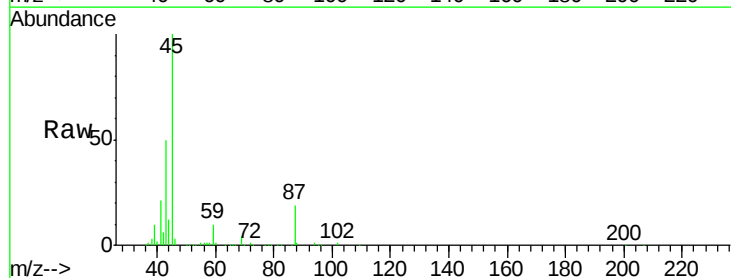
Ion Ratio Lower Upper

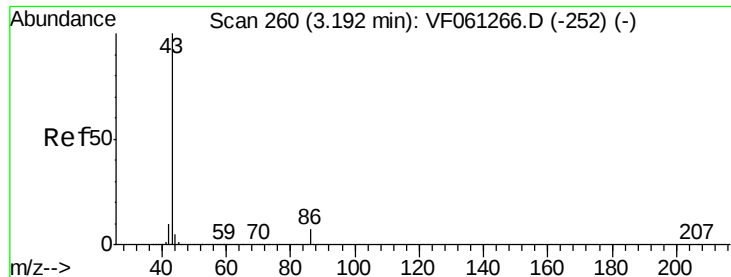
45 100

43 49.8 39.5 59.3

87 19.1 14.8 22.2

59 10.3 7.8 11.8





#23

Vinyl Acetate

Concen: 70.995 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

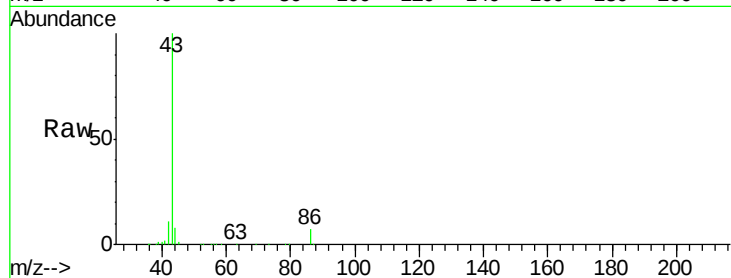
VF0107SBS01

Tot Ion: 43 Resp: 235360

Ion Ratio Lower Upper

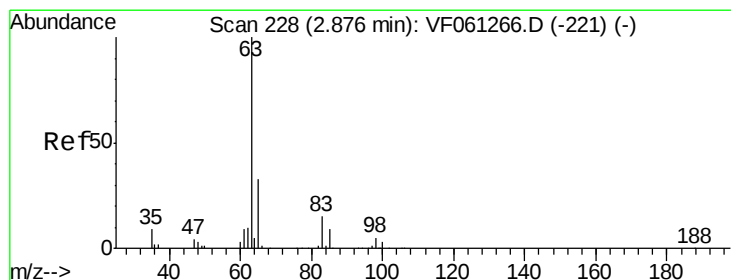
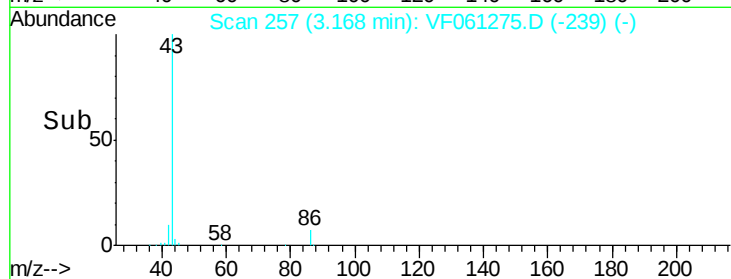
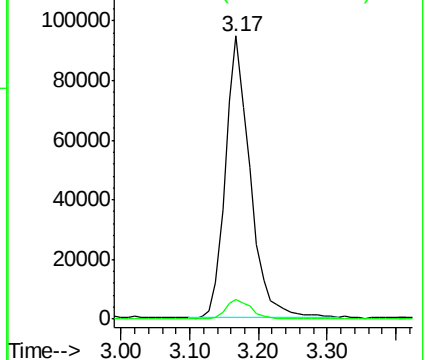
43 100

86 7.0 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.347 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

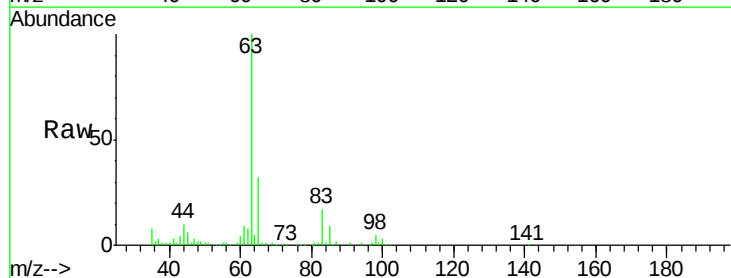
Tgt Ion: 63 Resp: 90602

Ion Ratio Lower Upper

63 100

98 5.3 2.5 7.5

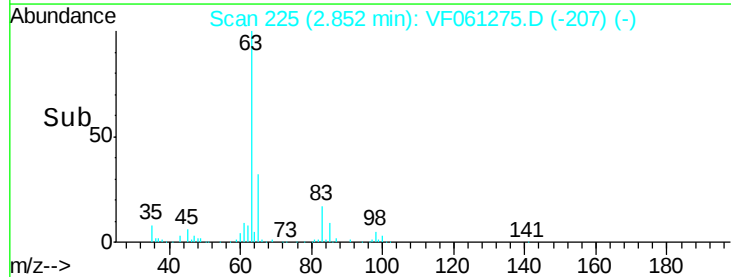
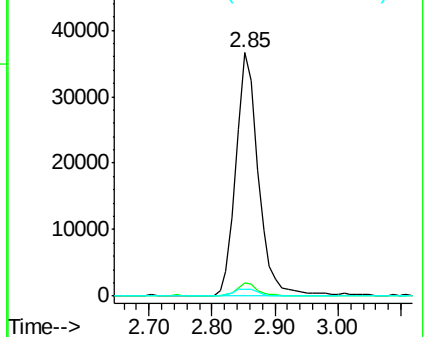
100 2.7 1.6 4.8

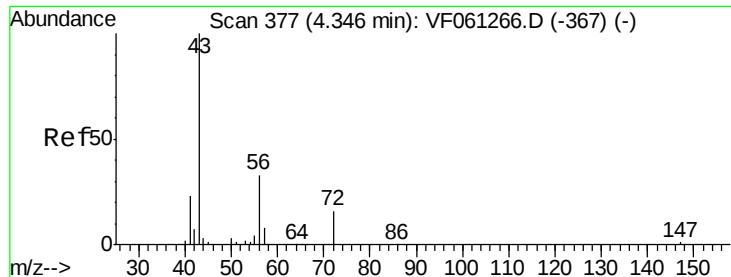


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 94.806 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.04 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

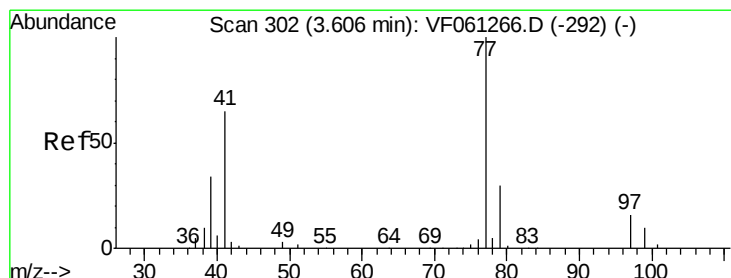
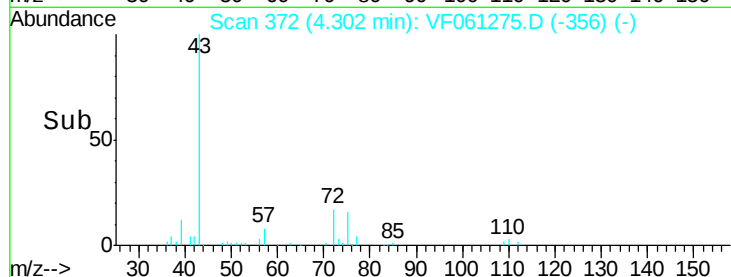
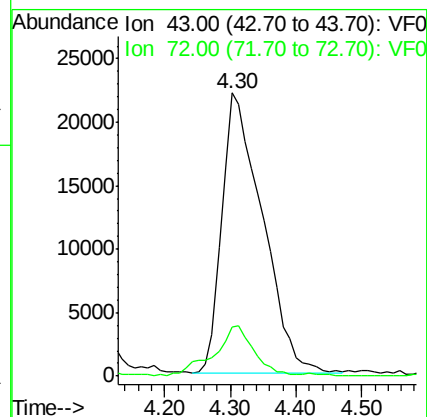
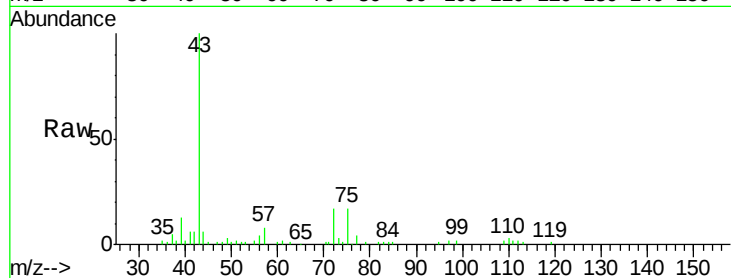
VF0107SBSD01

Tot Ion: 43 Resp: 94691

Ion Ratio Lower Upper

43 100

72 17.4 13.0 19.6



#26

2,2-Dichloropropane

Concen: 24.017 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.03 min

Lab File: VF061275.D

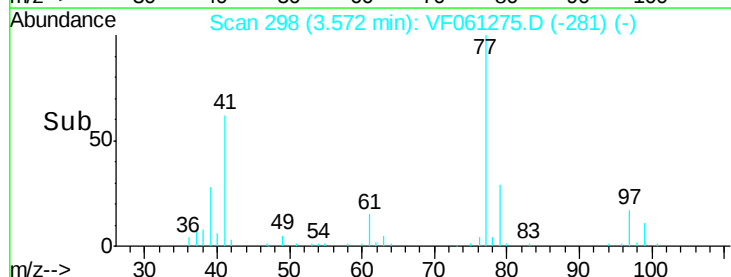
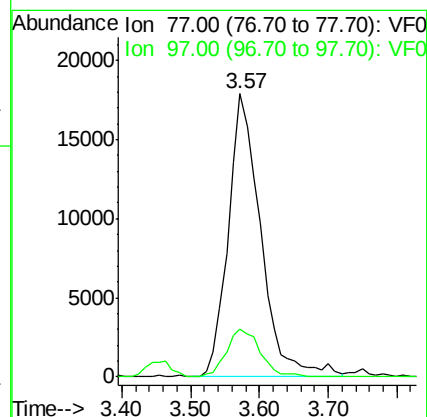
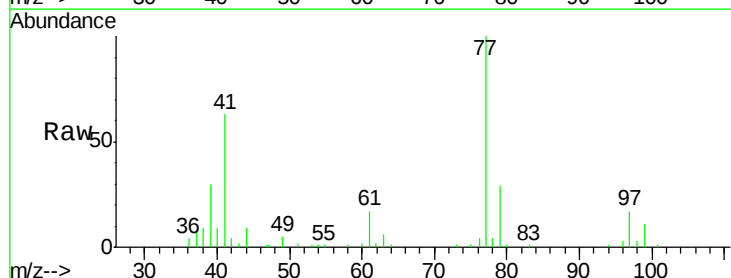
Acq: 7 Jan 2019 13:16

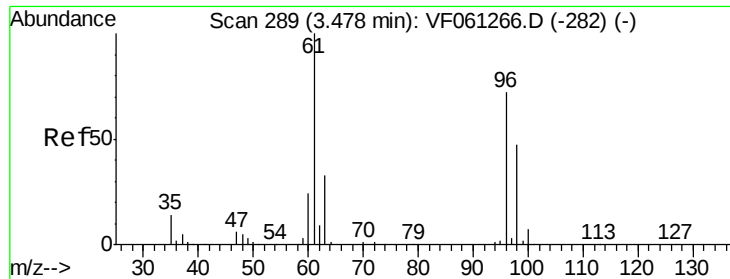
Tgt Ion: 77 Resp: 58700

Ion Ratio Lower Upper

77 100

97 17.1 8.9 26.7



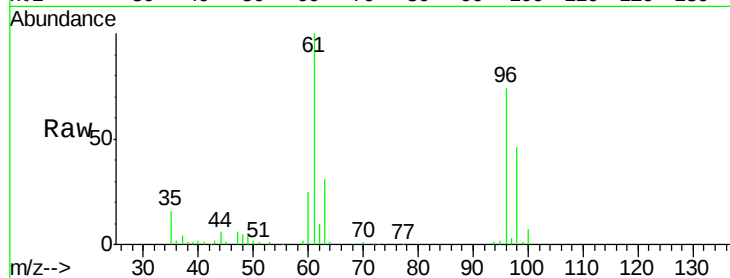


#27

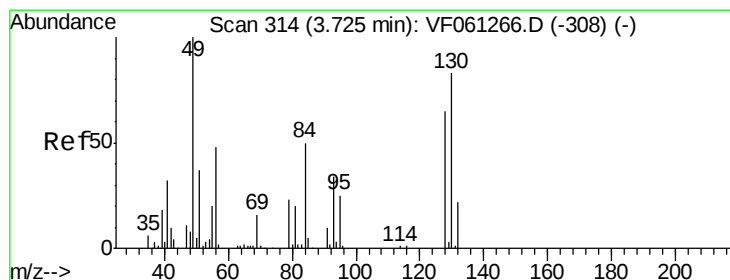
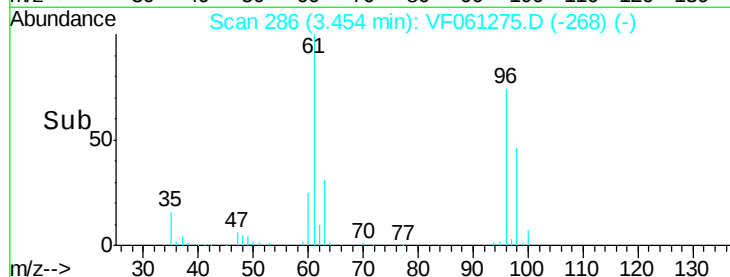
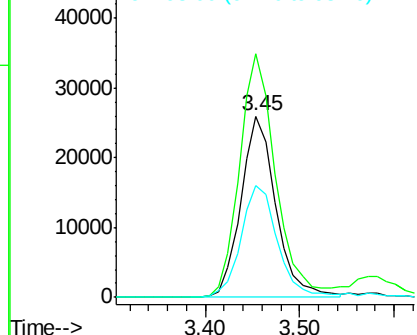
cis-1,2-Dichloroethene
 Concen: 20.696 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	277.8
98	62.1	0.0	130.8



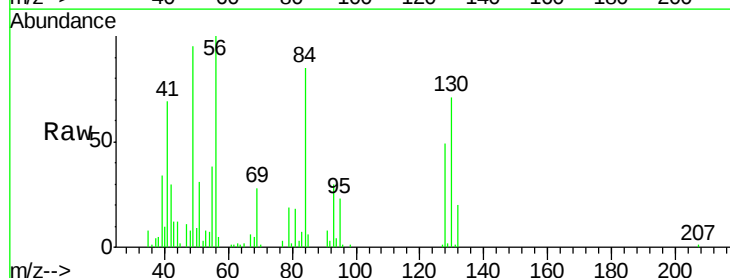
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



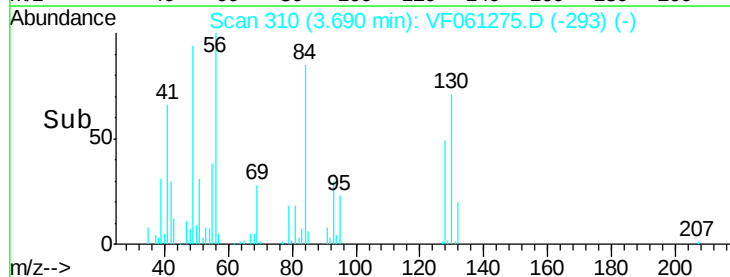
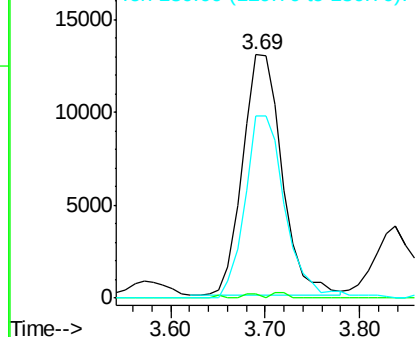
#28

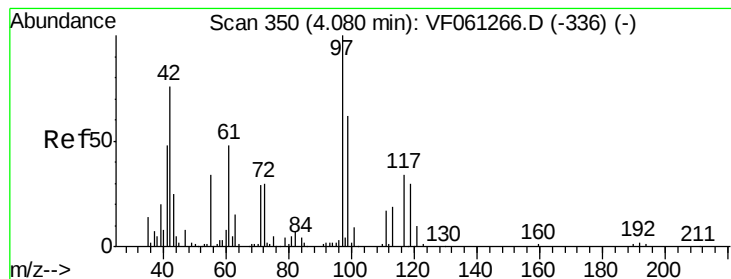
Bromochloromethane
 Concen: 18.642 ug/l
 RT: 3.69 min Scan# 310
 Delta R.T. -0.03 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.4
130	74.7	65.7	98.5



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 113.140 ug/l

RT: 4.06 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

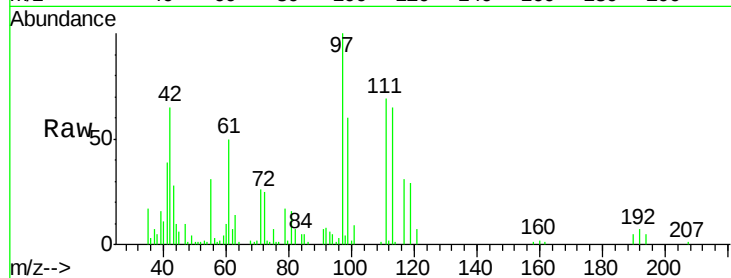
MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion: 42 Resp: 42227

Ion	Ratio	Lower	Upper
42	100		
72	38.8	29.2	43.8
71	34.5	29.1	43.7

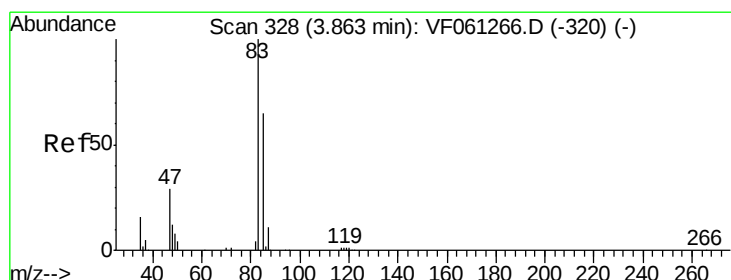
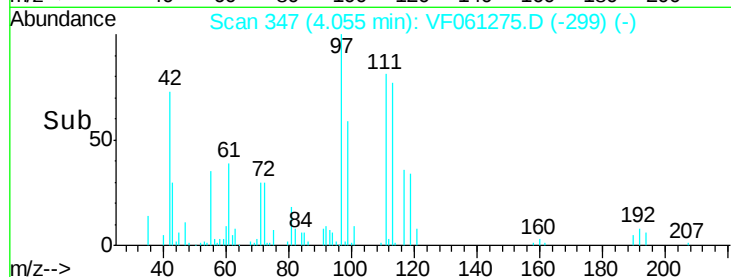
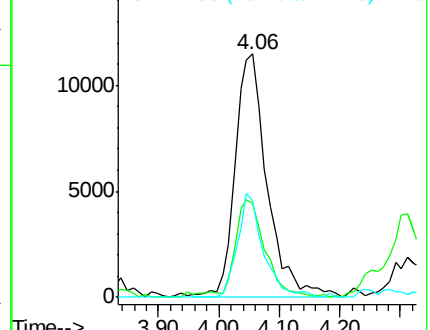


Abundance

Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 19.075 ug/l

RT: 3.83 min Scan# 324

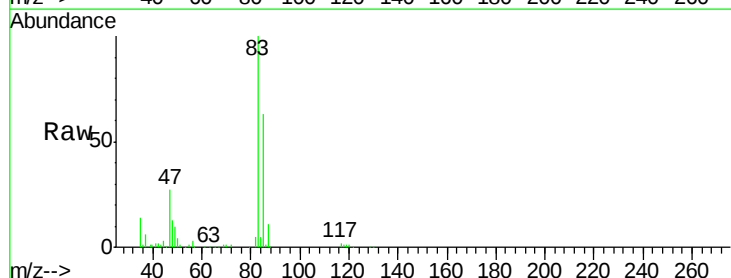
Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tgt Ion: 83 Resp: 113244

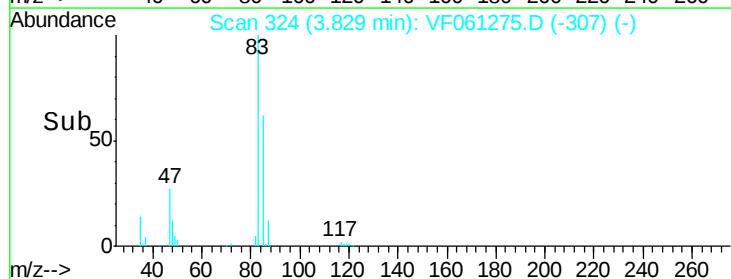
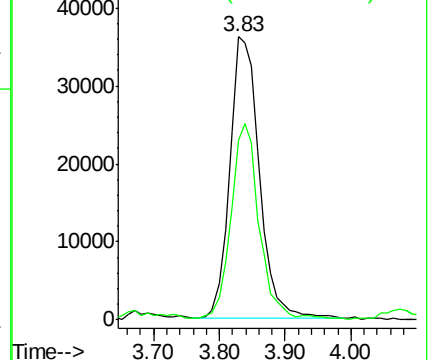
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.4

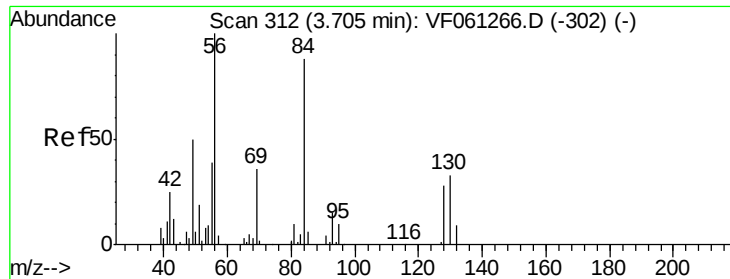


Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

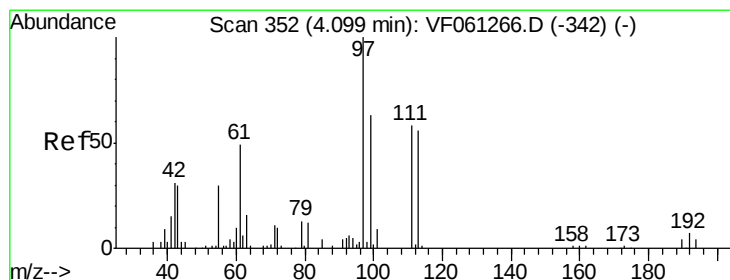
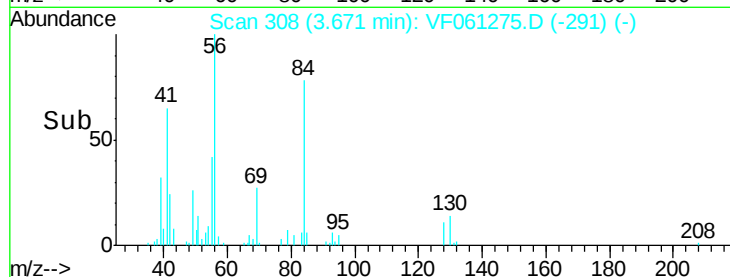
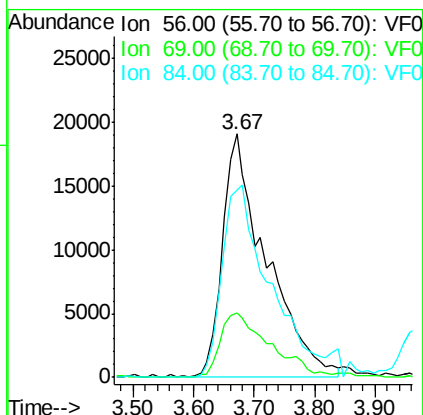
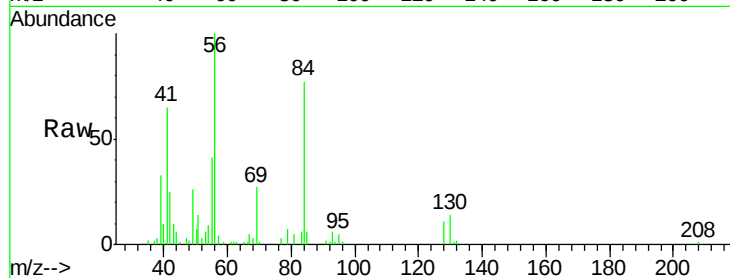




#31
Cyclohexane
Concen: 21.304 ug/l
RT: 3.67 min Scan# 308
Delta R.T. -0.03 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

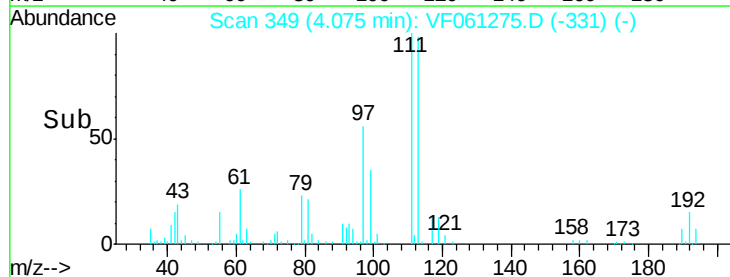
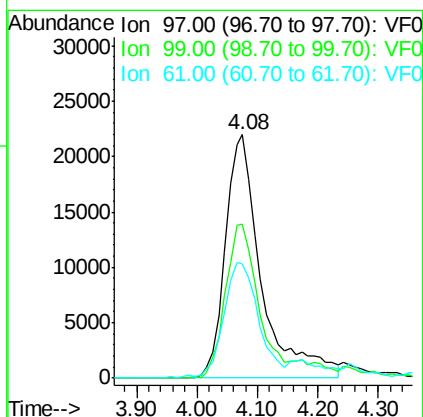
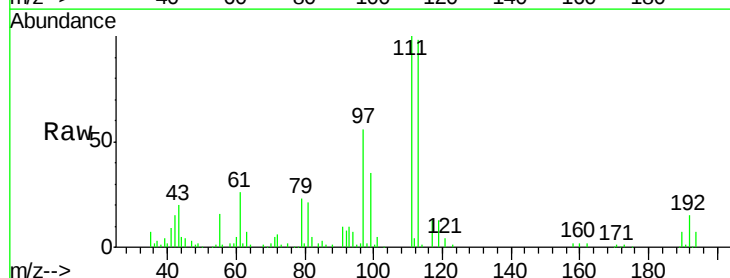
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

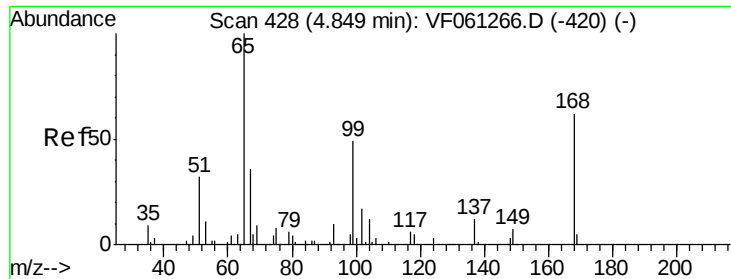
Tot Ion: 56 Resp: 95837
Ion Ratio Lower Upper
56 100
69 26.5 28.7 43.1#
84 76.8 70.6 106.0



#32
1,1,1-Trichloroethane
Concen: 23.573 ug/l
RT: 4.08 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion: 97 Resp: 90897
Ion Ratio Lower Upper
97 100
99 63.1 50.6 76.0
61 46.9 39.6 59.4





#33

1,2-Dichloroethane-d4

Concen: 49.949 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

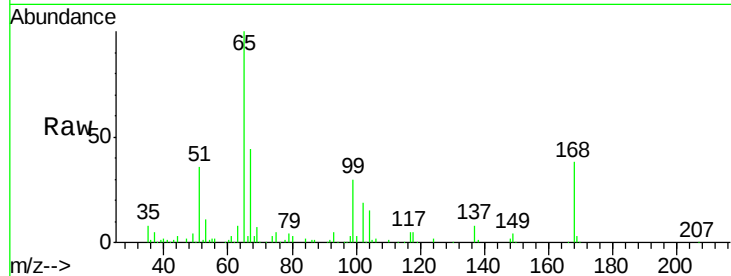
VF0107SBSD01

Tot Ion: 65 Resp: 137121

Ion Ratio Lower Upper

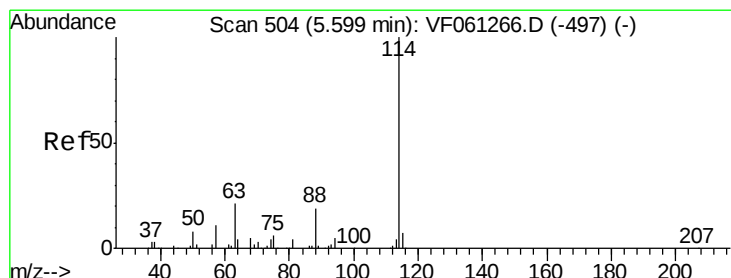
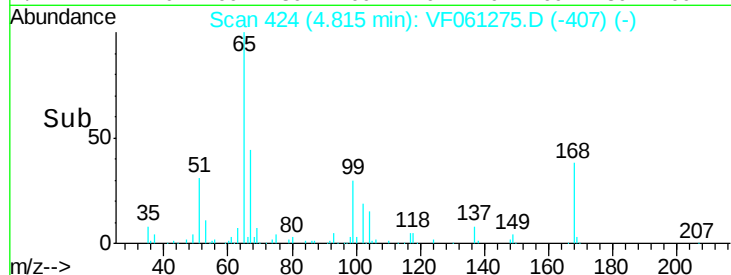
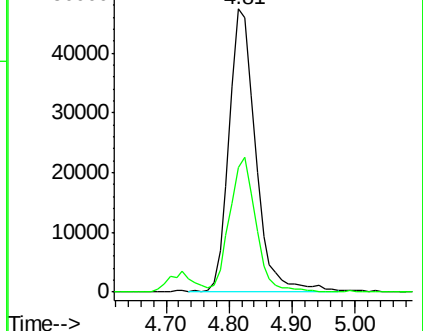
65 100

67 44.1 0.0 90.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

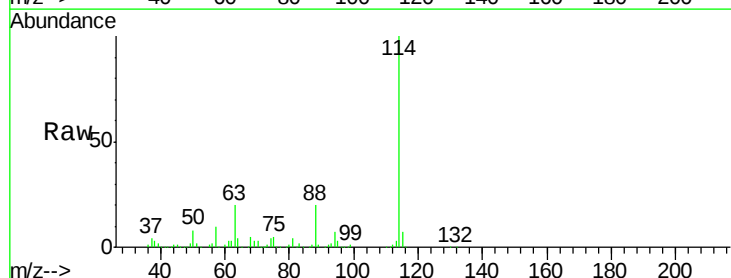
Tgt Ion: 114 Resp: 365780

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.8

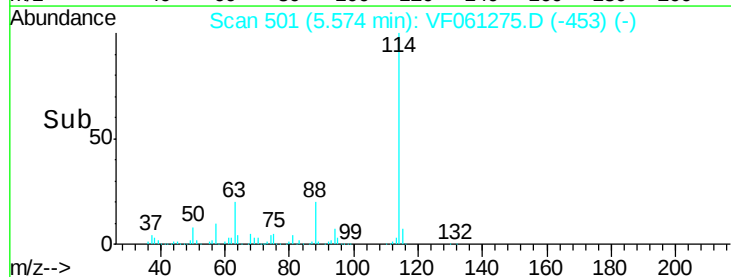
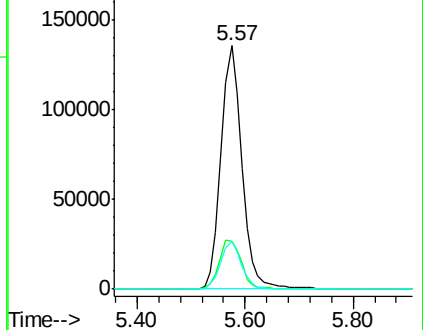
88 19.6 0.0 38.4

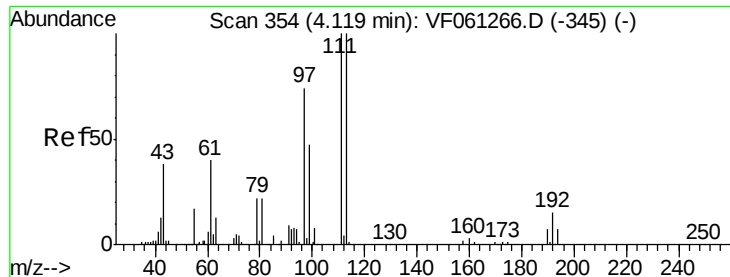


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 54.789 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

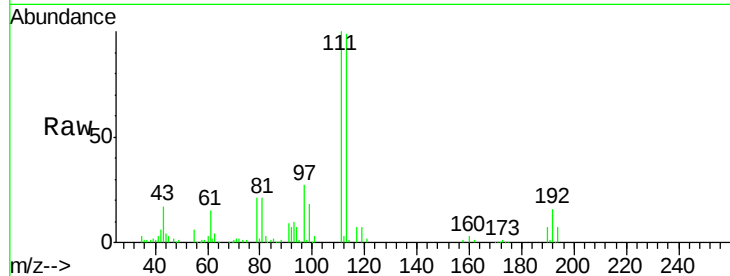
Tot Ion:113 Resp: 154184

Ion Ratio Lower Upper

113 100

111 101.3 79.8 119.6

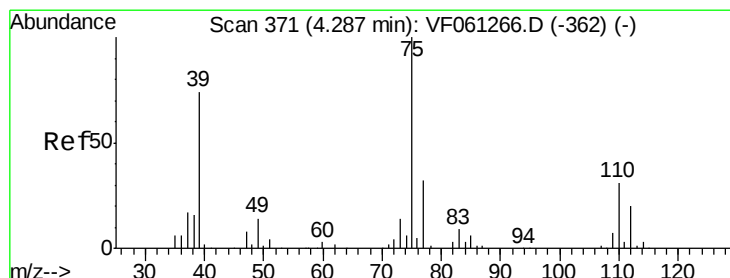
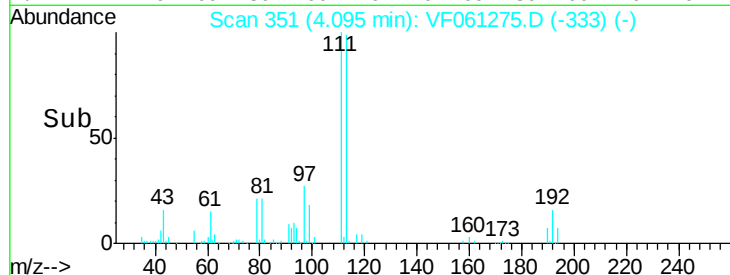
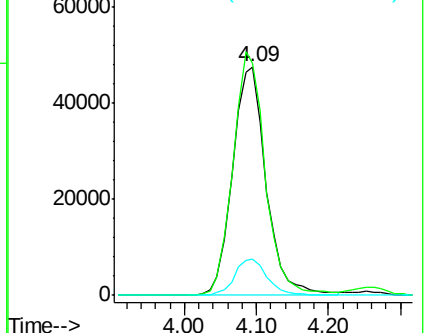
192 16.0 11.9 17.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.225 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

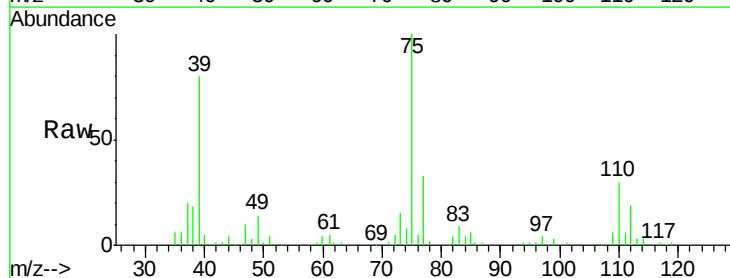
Tgt Ion: 75 Resp: 87128

Ion Ratio Lower Upper

75 100

110 29.8 15.4 46.4

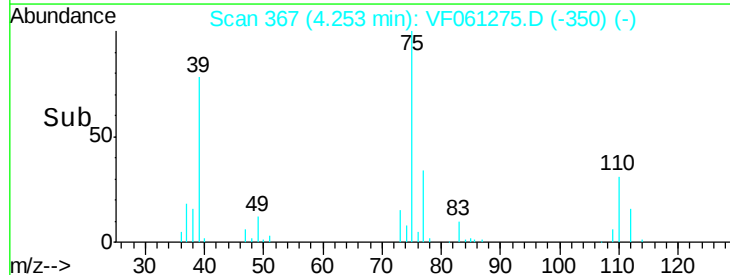
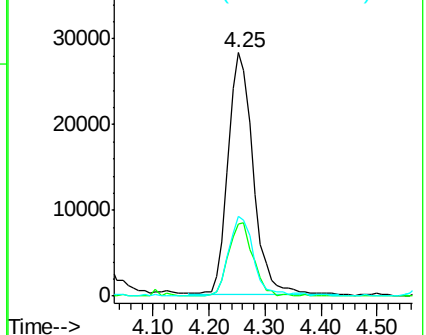
77 32.8 25.6 38.4

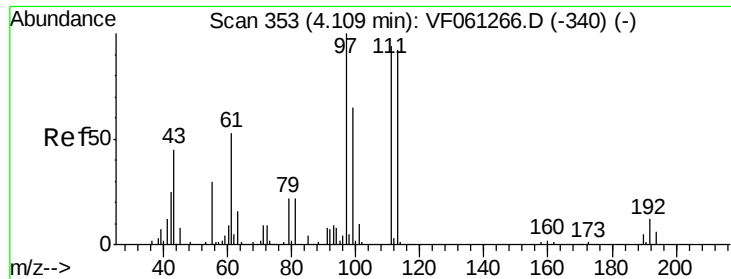


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 22.277 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

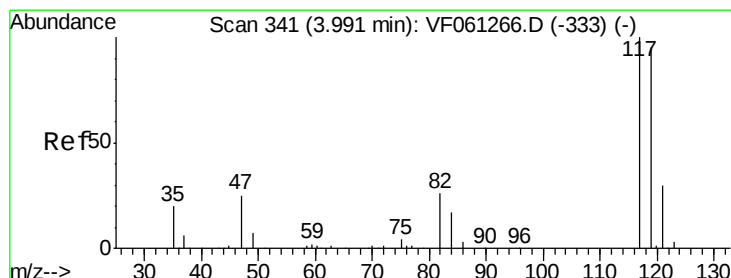
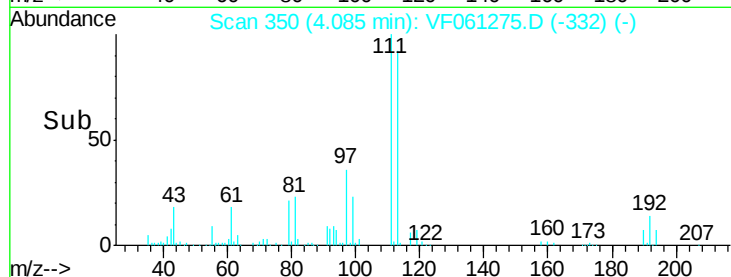
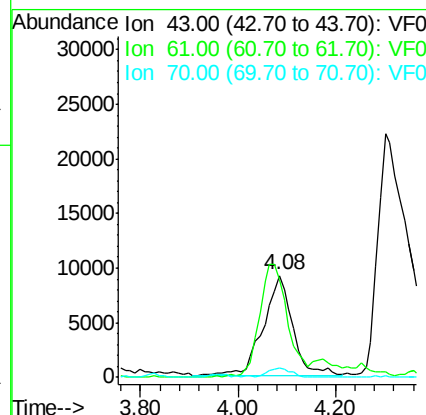
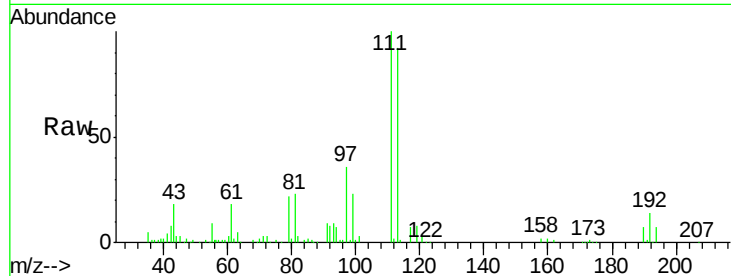
Tot Ion: 43 Resp: 38317

Ion Ratio Lower Upper

43 100

61 96.3 91.2 136.8

70 9.3 7.1 10.7



#38

Carbon Tetrachloride

Concen: 22.369 ug/l

RT: 3.97 min Scan# 338

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

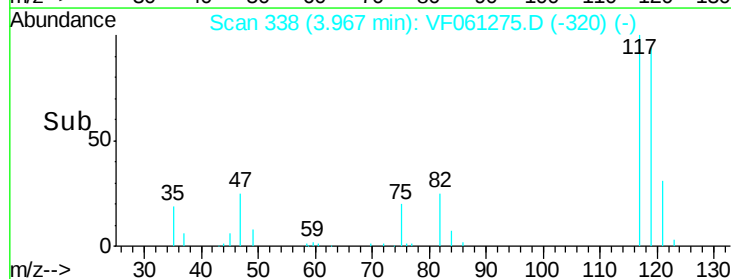
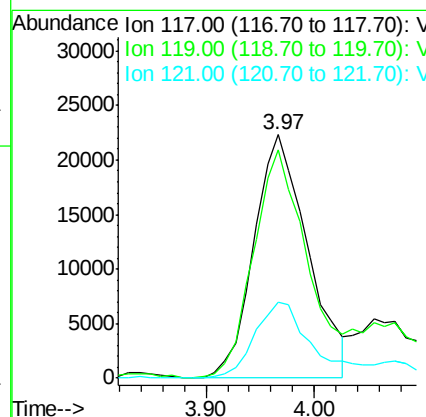
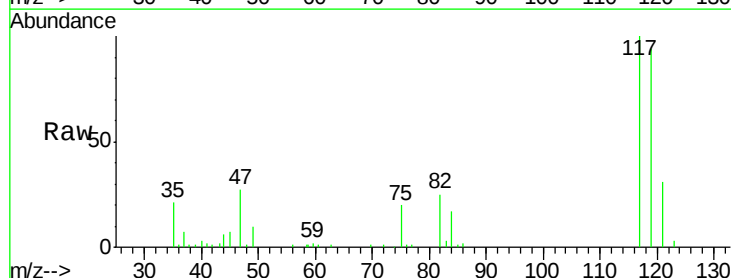
Tgt Ion: 117 Resp: 77148

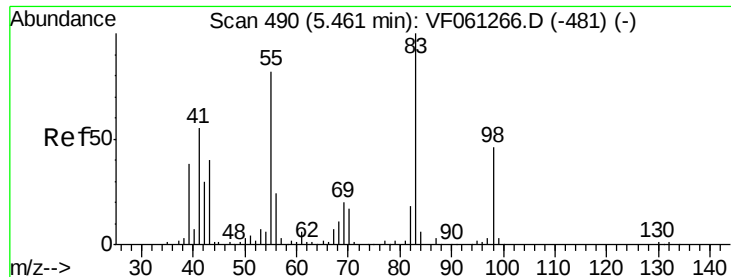
Ion Ratio Lower Upper

117 100

119 93.8 76.0 114.0

121 31.1 23.8 35.8

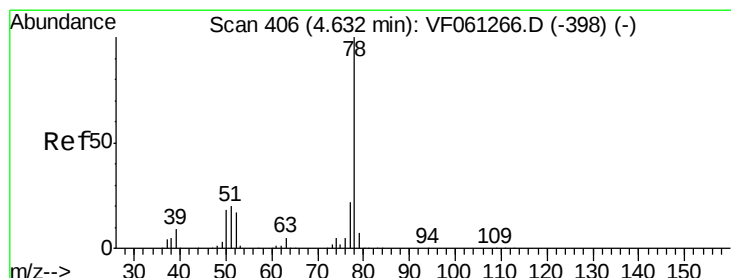
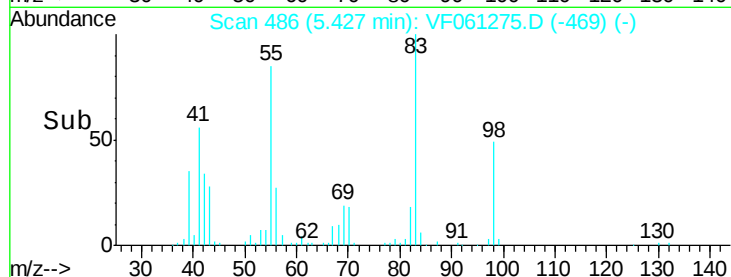
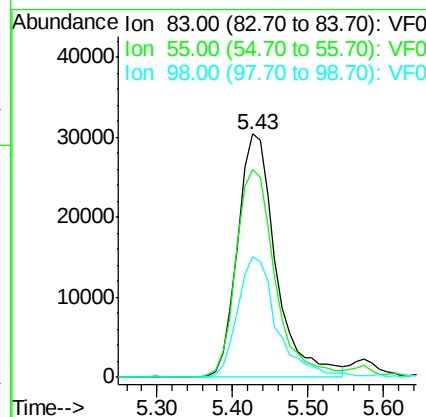
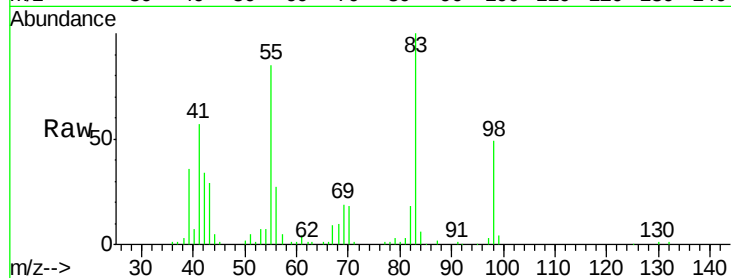




#39
Methvlcvclohexane
Concen: 23.203 ug/l
RT: 5.43 min Scan# 486
Delta R.T. -0.03 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

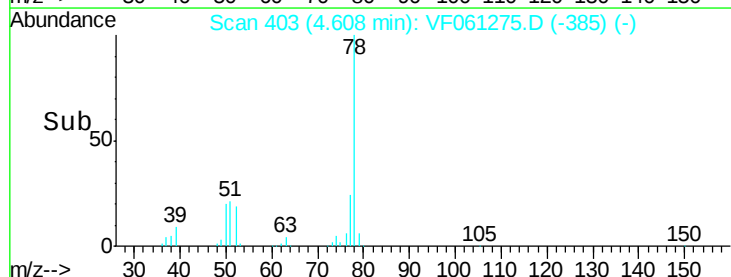
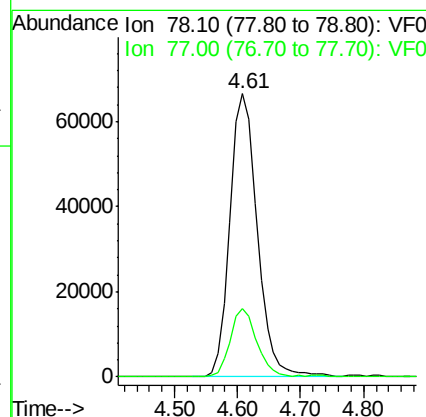
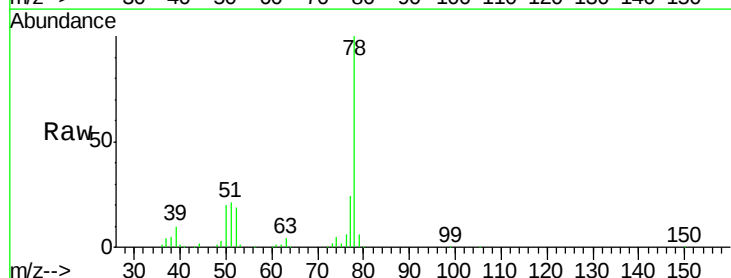
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

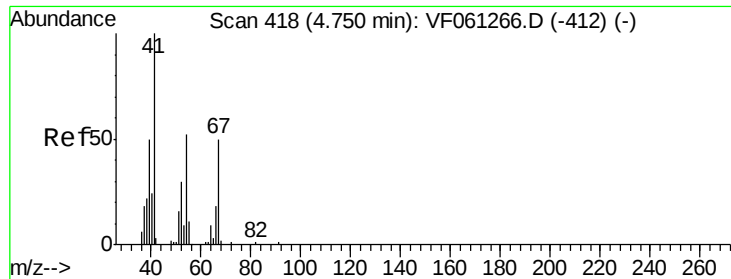
Tot Ion: 83 Resp: 106850
Ion Ratio Lower Upper
83 100
55 85.2 65.6 98.4
98 49.5 36.7 55.1



#40
Benzene
Concen: 20.541 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion: 78 Resp: 200825
Ion Ratio Lower Upper
78 100
77 24.3 18.0 27.0

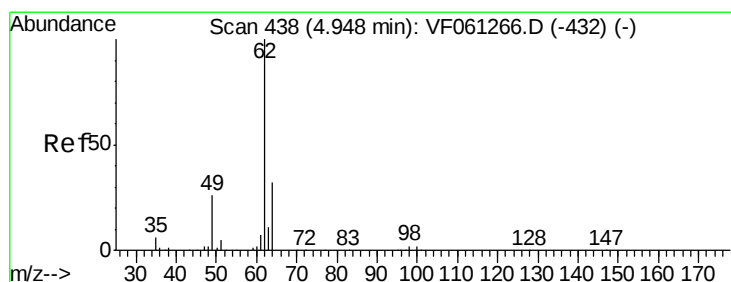
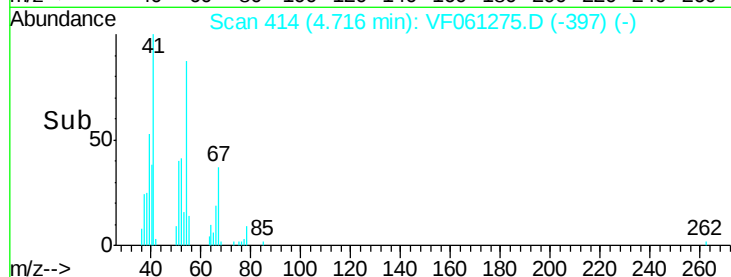
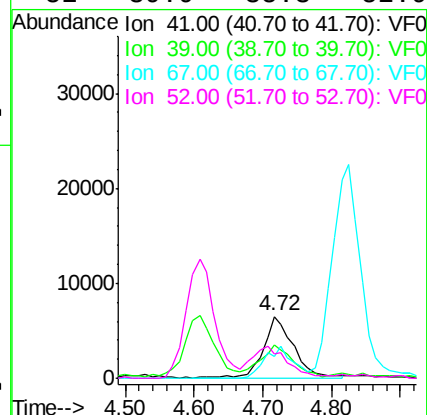
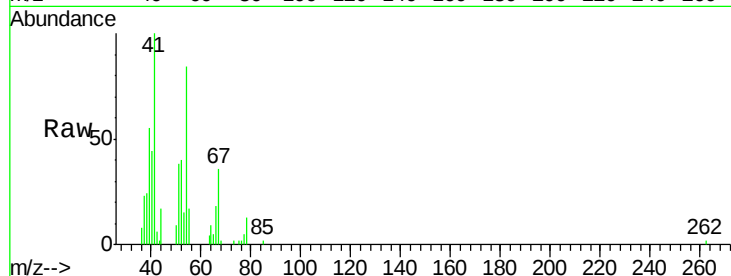




#41
Methacrylonitrile
Concen: 21.581 ug/l
RT: 4.72 min Scan# 414
Delta R.T. -0.03 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

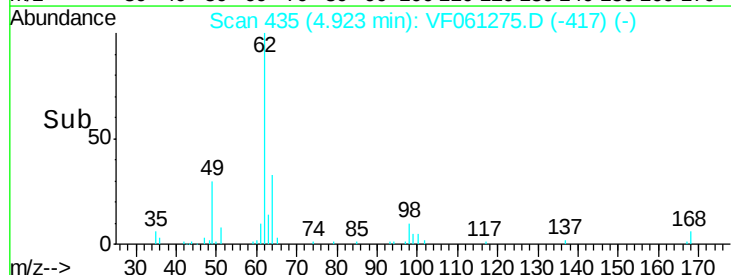
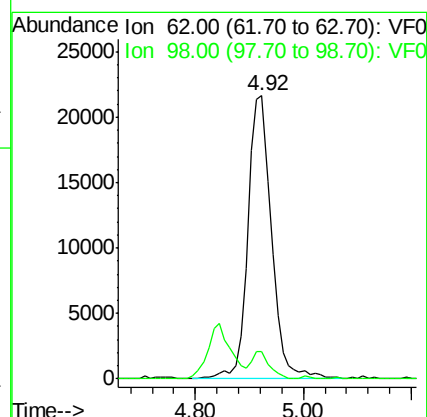
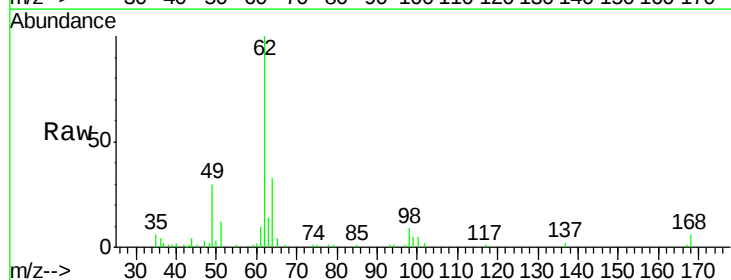
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

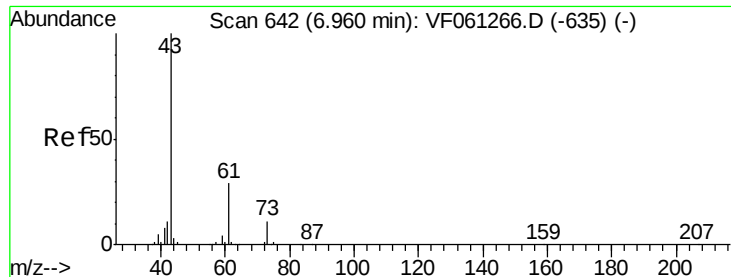
Tot Ion:	41	Resp:	19964
Ion	Ratio	Lower	Upper
41	100		
39	54.7	44.6	66.8
67	36.0	39.3	58.9#
52	39.9	35.3	52.9



#42
1,2-Dichloroethane
Concen: 20.128 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion:	62	Resp:	65842
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	13.4



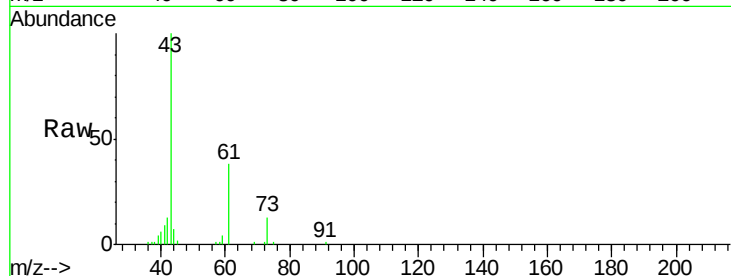


#43

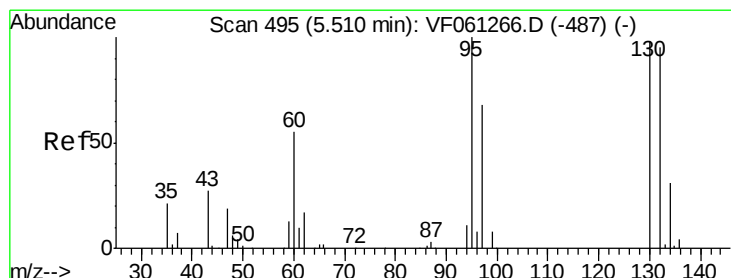
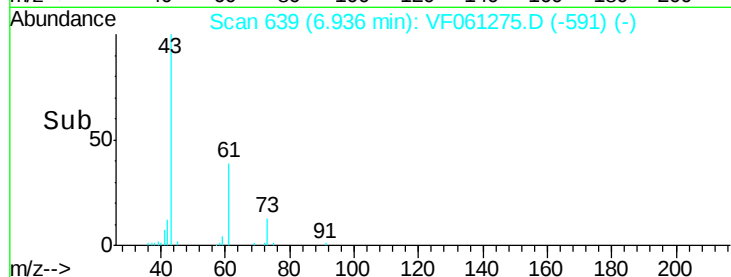
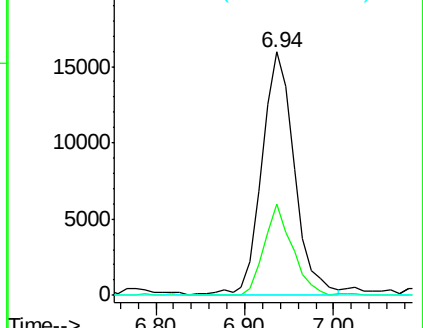
Isopropyl Acetate
 Concen: 17.619 ug/l
 RT: 6.94 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBS01

Tot Ion: 43 Resp: 40436
 Ion Ratio Lower Upper
 43 100
 61 37.6 23.4 35.2#
 87 0.0 0.3 0.5#



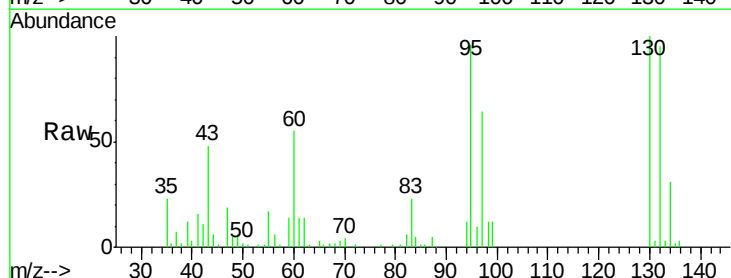
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



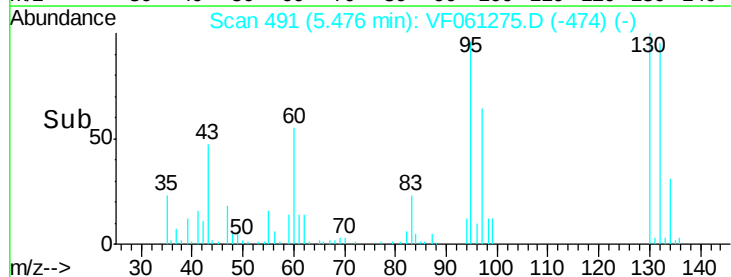
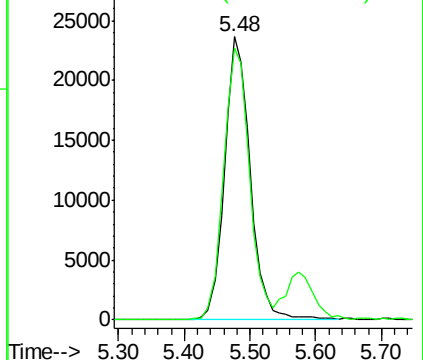
#44

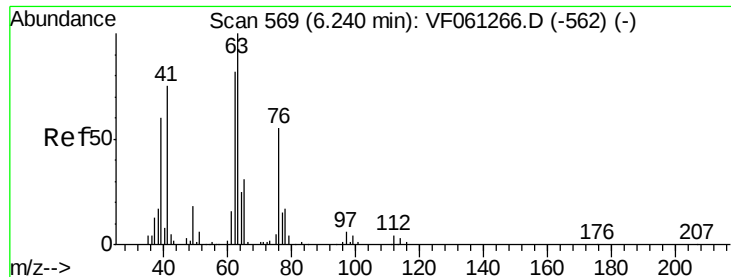
Trichloroethene
 Concen: 21.226 ug/l
 RT: 5.48 min Scan# 491
 Delta R.T. -0.03 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion: 130 Resp: 64597
 Ion Ratio Lower Upper
 130 100
 95 96.0 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: 21.451 ug/l

RT: 6.22 min Scan# 566

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

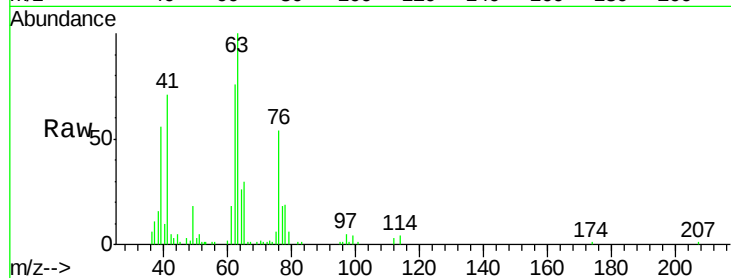
VF0107SBS01

Tot Ion: 63 Resp: 53545

Ion Ratio Lower Upper

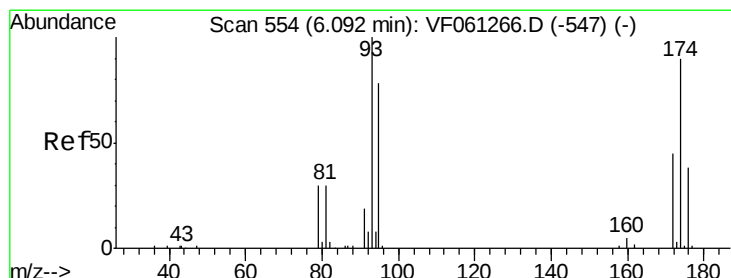
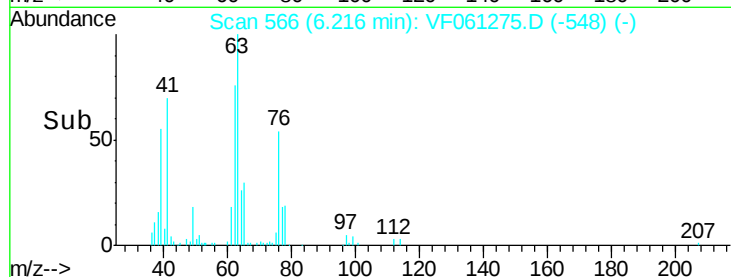
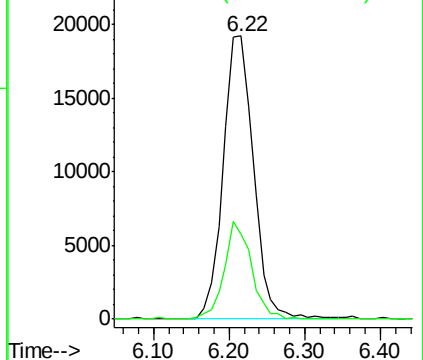
63 100

65 29.8 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: 19.263 ug/l

RT: 6.06 min Scan# 550

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

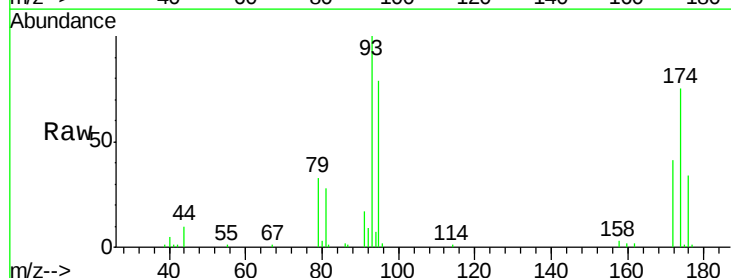
Tgt Ion: 93 Resp: 31638

Ion Ratio Lower Upper

93 100

95 80.3 62.4 93.6

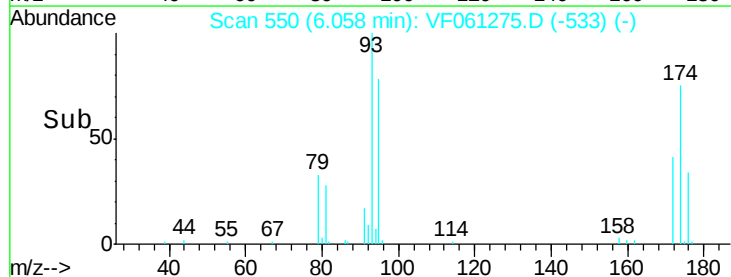
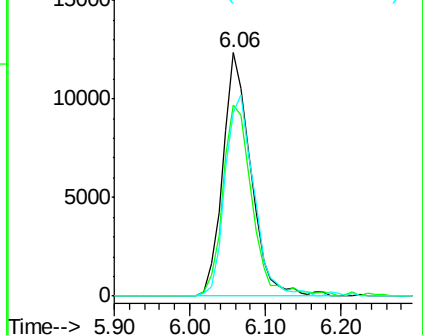
174 75.5 71.9 107.9

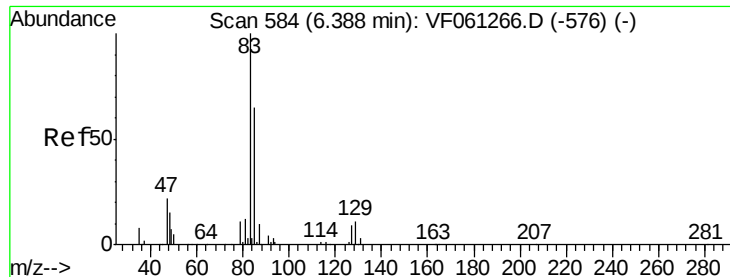


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 19.616 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

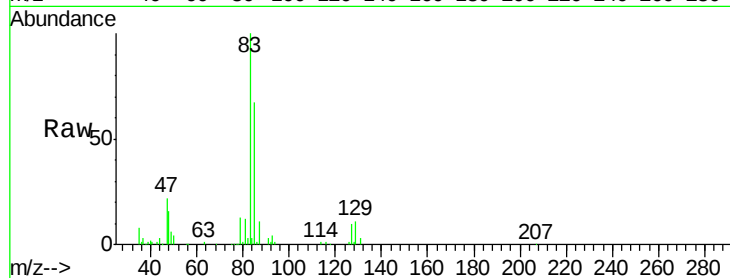
Tot Ion: 83 Resp: 82014

Ion Ratio Lower Upper

83 100

85 66.6 52.1 78.1

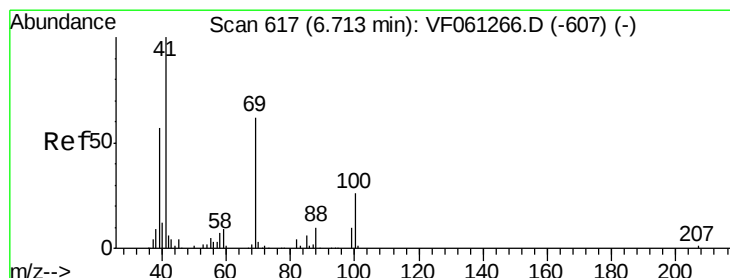
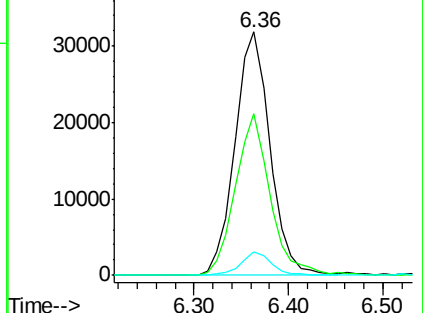
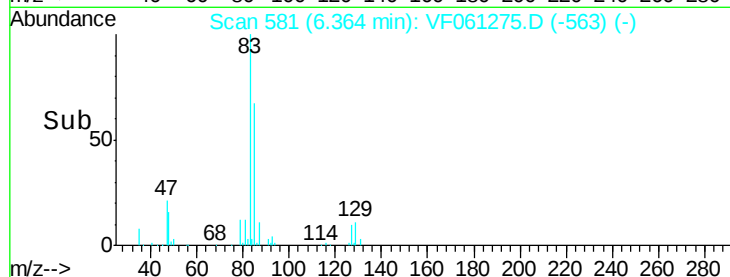
127 9.5 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 18.700 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

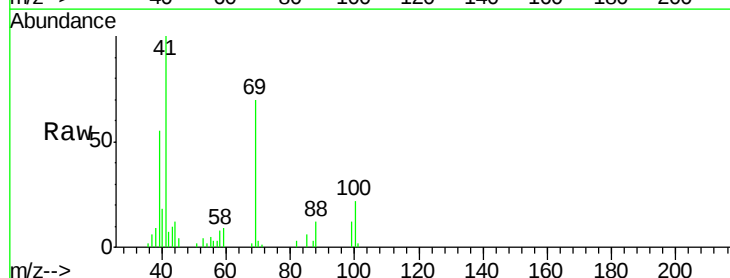
Tgt Ion: 41 Resp: 27791

Ion Ratio Lower Upper

41 100

69 70.4 49.8 74.8

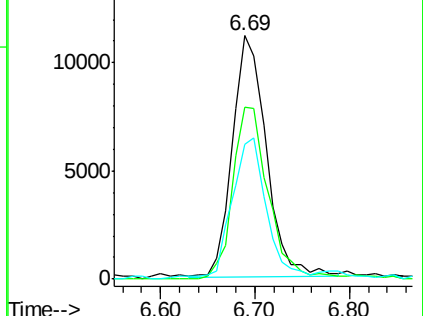
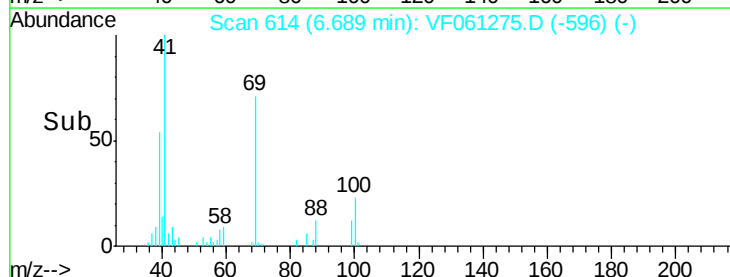
39 55.2 46.4 69.6

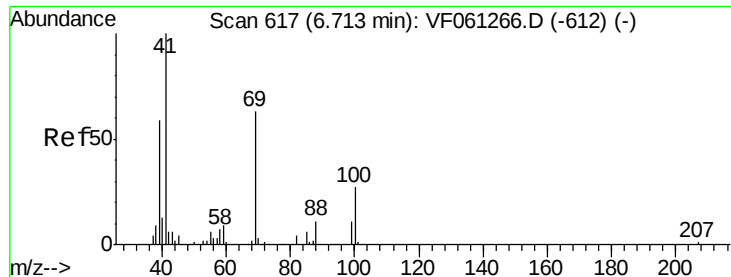


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 426.811 ug/l

RT: 6.68 min Scan# 613

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

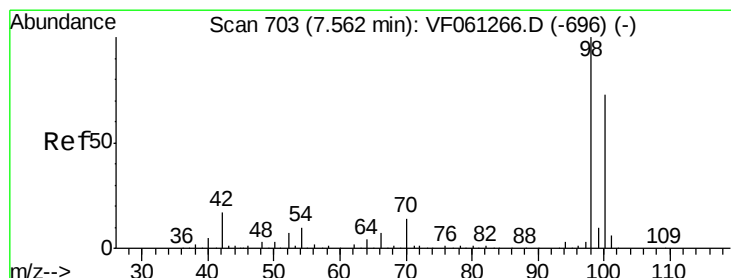
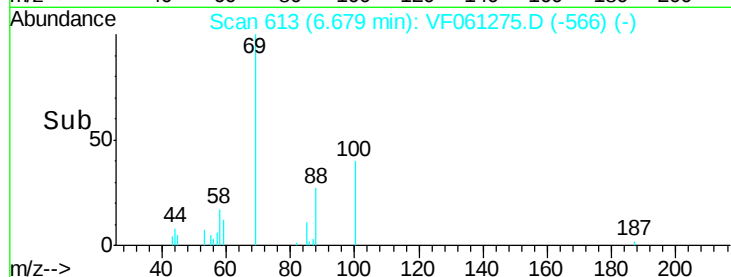
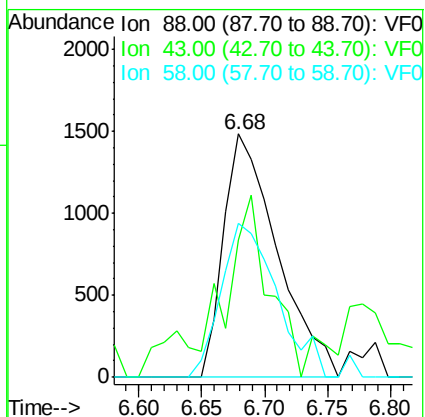
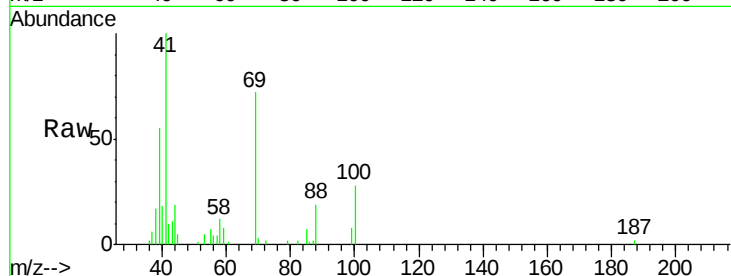
Tot Ion: 88 Resp: 4395

Ion Ratio Lower Upper

88 100

43 56.3 55.2 82.8

58 63.1 50.9 76.3



#50

Toluene-d8

Concen: 51.286 ug/l

RT: 7.53 min Scan# 699

Delta R.T. -0.03 min

Lab File: VF061275.D

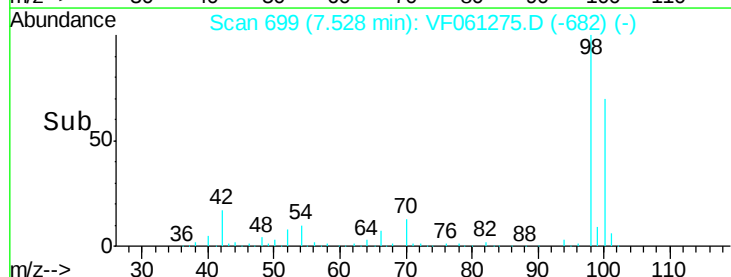
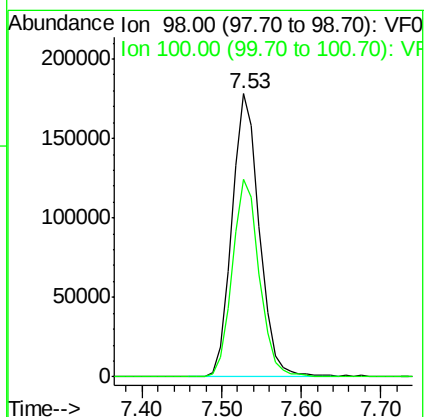
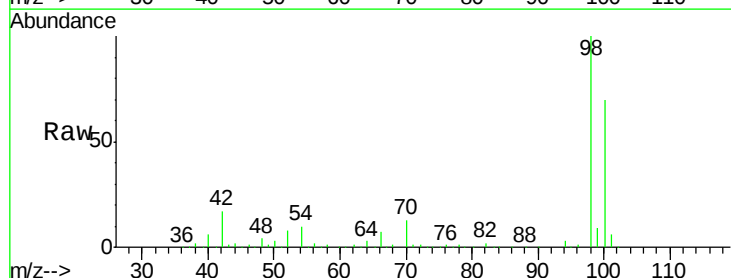
Acq: 7 Jan 2019 13:16

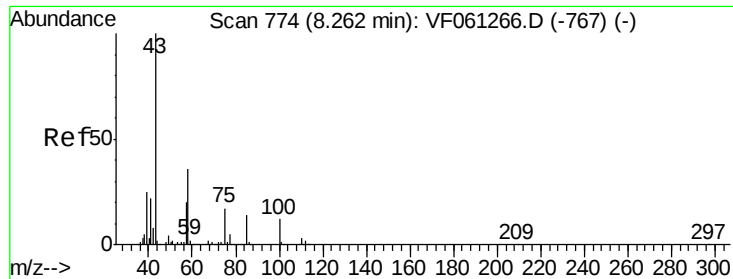
Tgt Ion: 98 Resp: 428285

Ion Ratio Lower Upper

98 100

100 69.9 58.1 87.1





#51

4-Methyl-2-Pentanone

Concen: 111.452 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

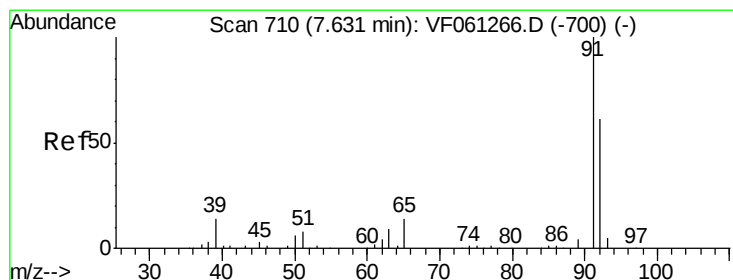
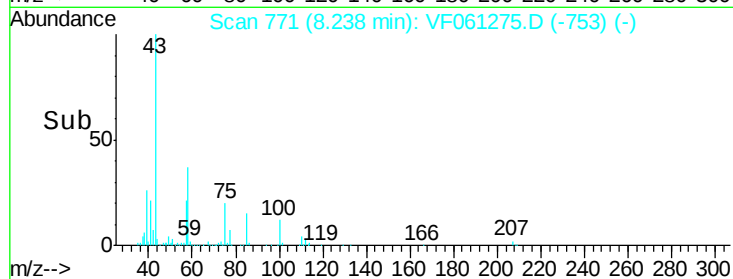
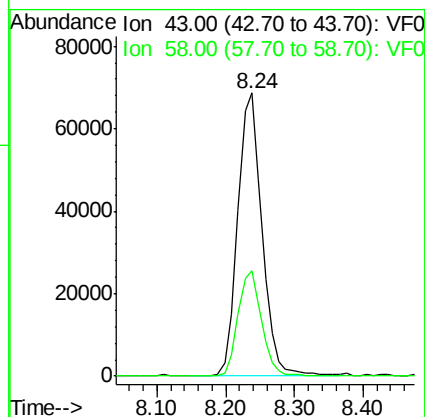
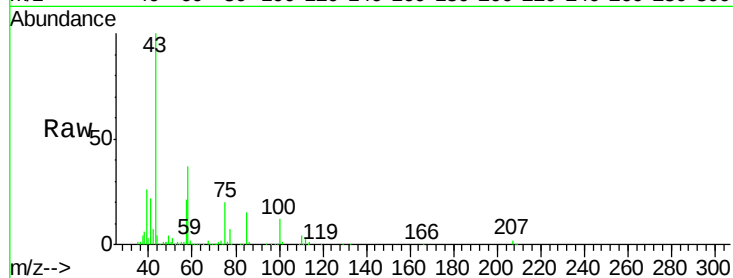
VF0107SBS01

Tot Ion: 43 Resp: 168491

Ion Ratio Lower Upper

43 100

58 37.3 29.1 43.7



#52

Toluene

Concen: 20.062 ug/l

RT: 7.60 min Scan# 706

Delta R.T. -0.03 min

Lab File: VF061275.D

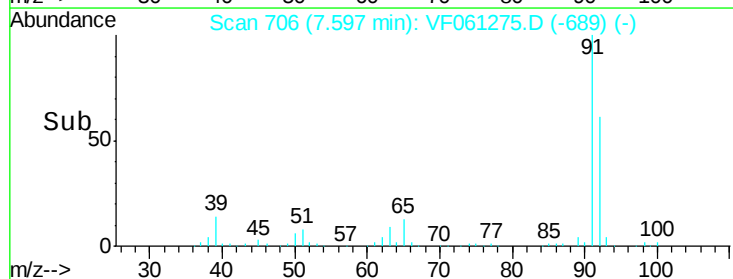
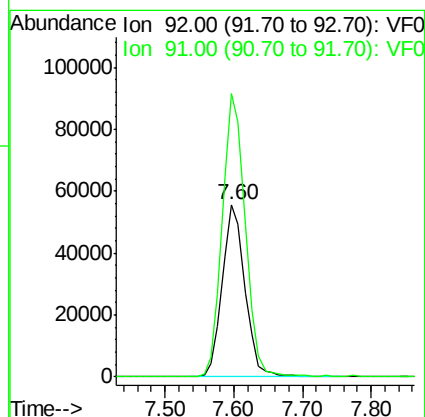
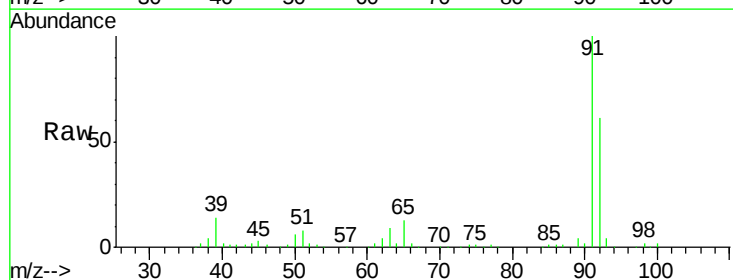
Acq: 7 Jan 2019 13:16

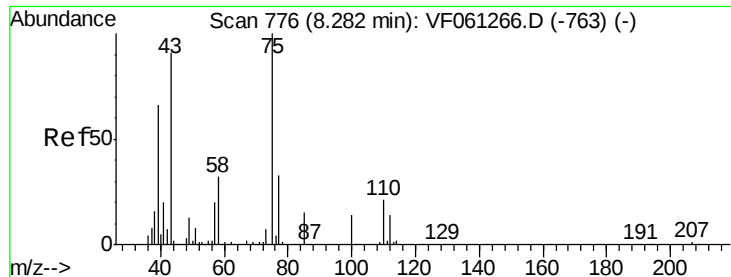
Tgt Ion: 92 Resp: 128075

Ion Ratio Lower Upper

92 100

91 164.5 130.5 195.7





#53

t-1,3-Dichloropropene

Concen: 18.494 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

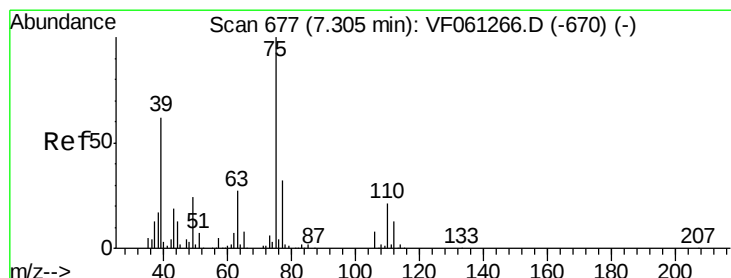
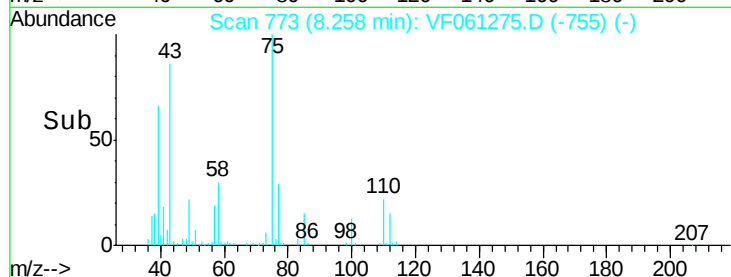
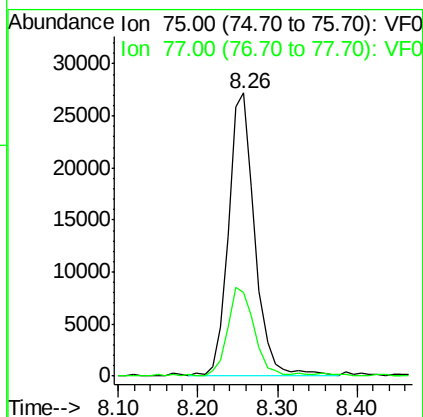
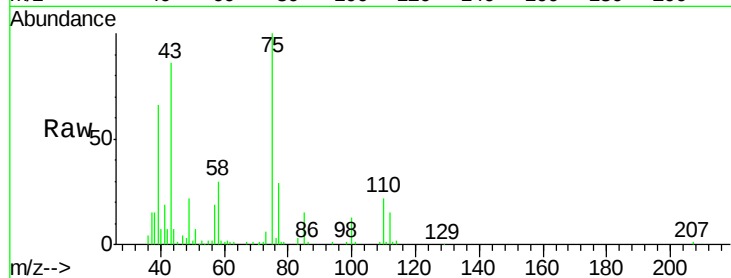
VF0107SBSD01

Tot Ion: 75 Resp: 63033

Ion Ratio Lower Upper

75 100

77 29.4 26.8 40.2



#54

cis-1,3-Dichloropropene

Concen: 19.564 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

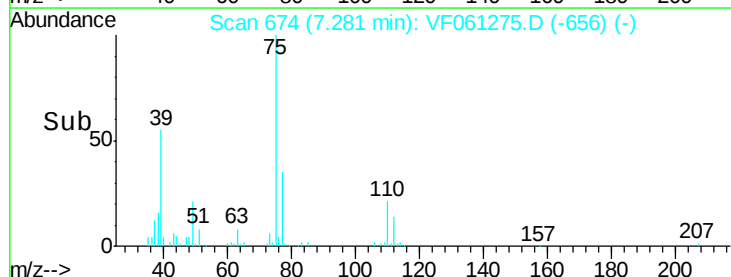
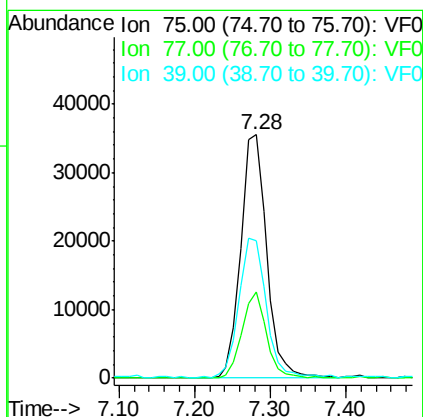
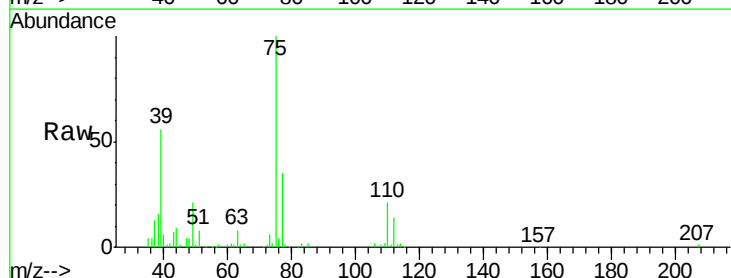
Tgt Ion: 75 Resp: 84750

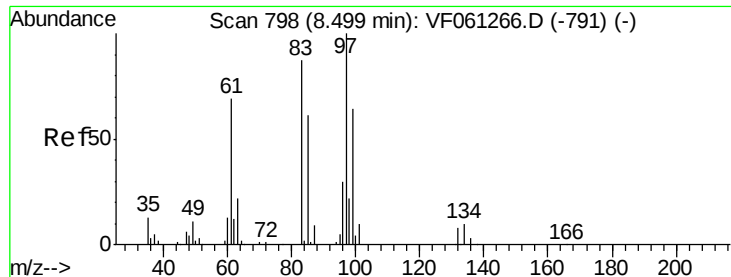
Ion Ratio Lower Upper

75 100

77 35.4 25.4 38.2

39 56.4 49.5 74.3





#55

1,1,2-Trichloroethane

Concen: 18.997 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

Tot Ion: 97 Resp: 34876

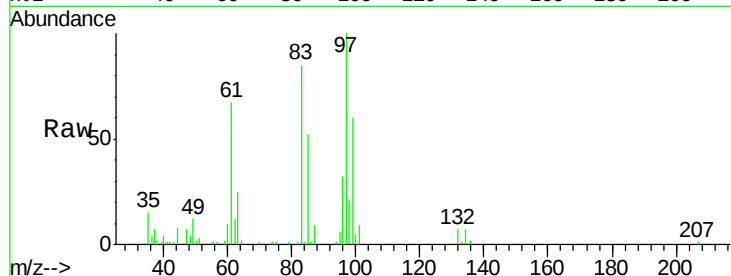
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.7	104.5
85	52.0	49.1	73.7
99	60.4	51.3	76.9

97 100

83 85.4 69.7 104.5

85 52.0 49.1 73.7

99 60.4 51.3 76.9

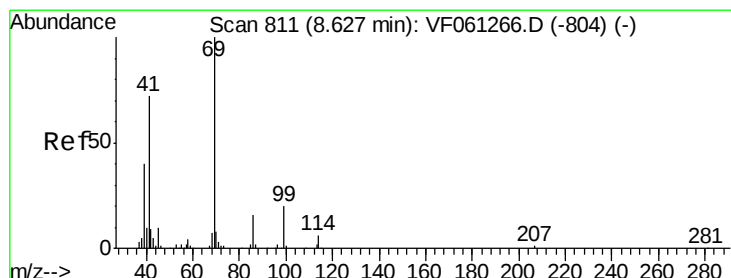
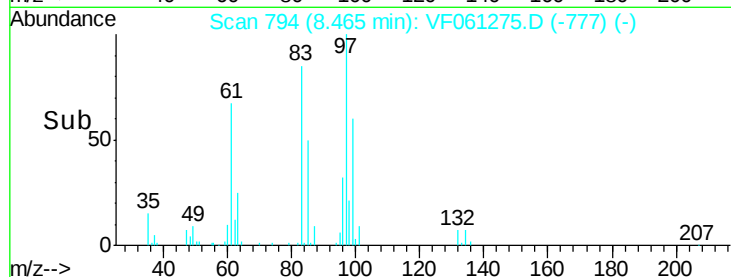
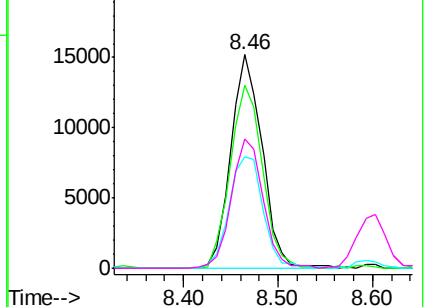


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.982 ug/l

RT: 8.59 min Scan# 807

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

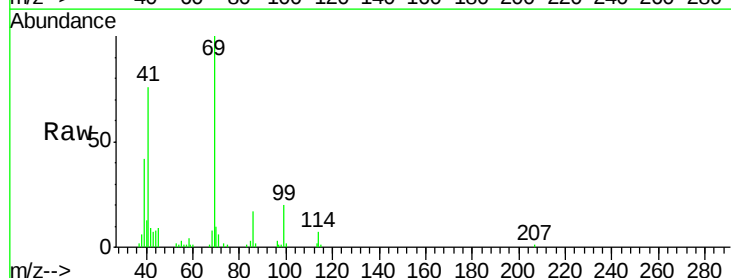
Tgt Ion: 69 Resp: 40542

Ion	Ratio	Lower	Upper
69	100		
41	75.7	58.1	87.1
39	42.3	32.6	49.0

69 100

41 75.7 58.1 87.1

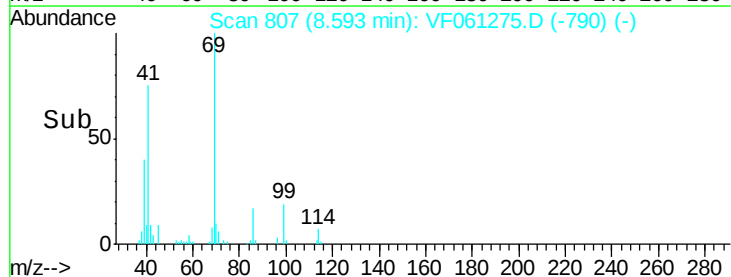
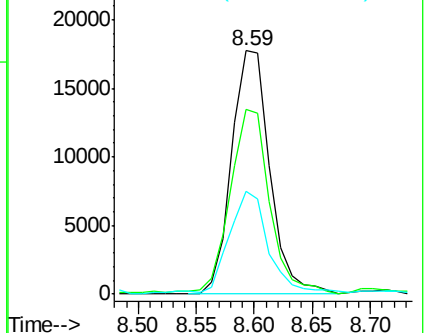
39 42.3 32.6 49.0

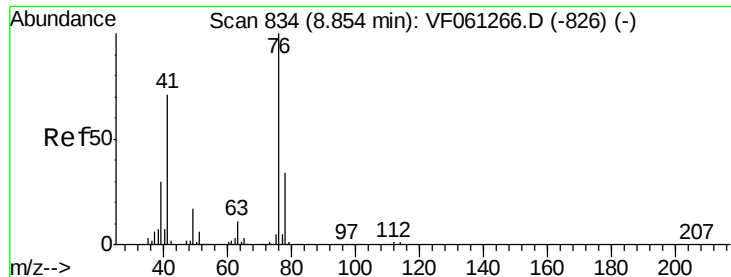


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 18.624 ug/l

RT: 8.83 min Scan# 831

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

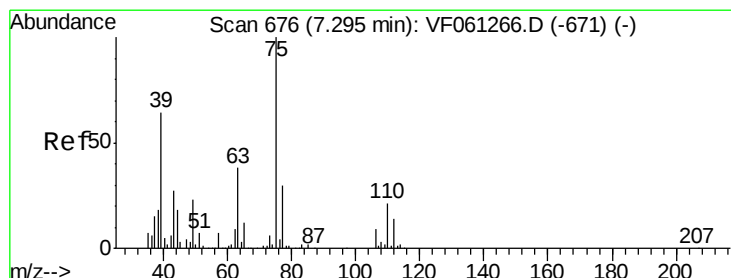
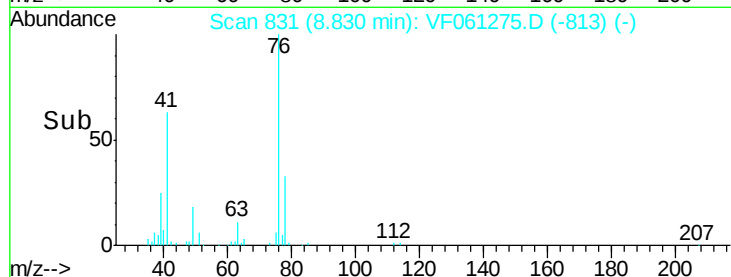
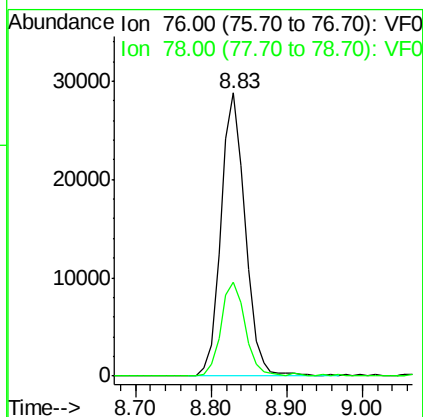
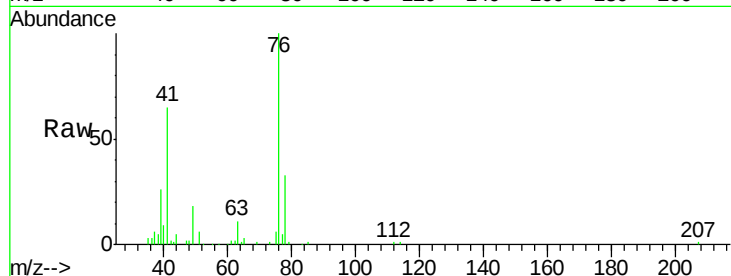
VF0107SBSD01

Tot Ion: 76 Resp: 64271

Ion Ratio Lower Upper

76 100

78 33.0 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 33.037 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.02 min

Lab File: VF061275.D

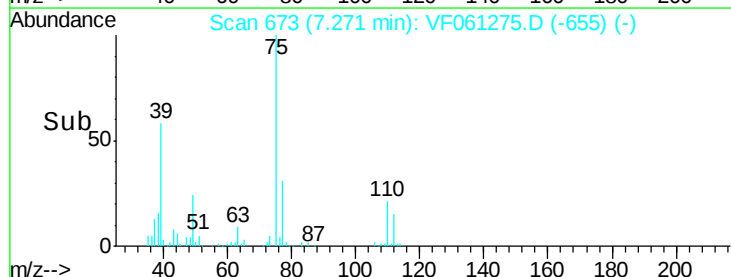
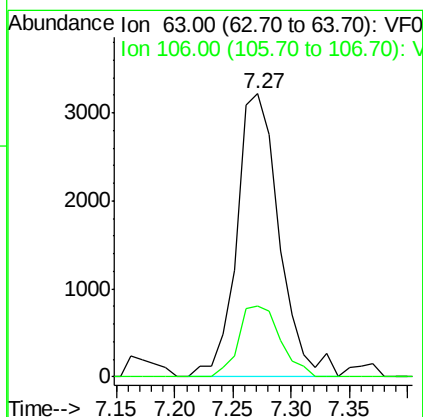
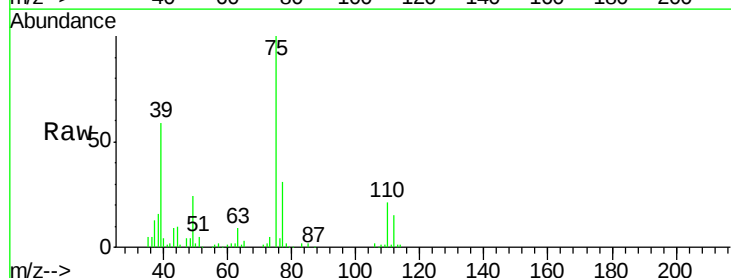
Acq: 7 Jan 2019 13:16

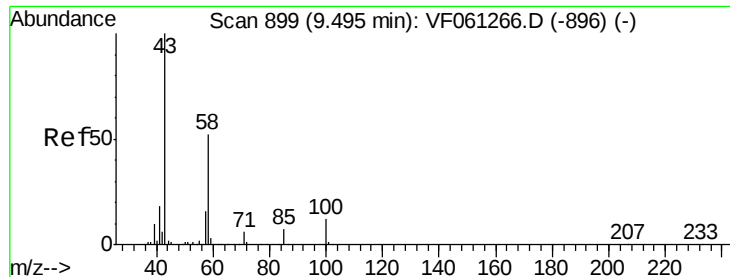
Tgt Ion: 63 Resp: 8140

Ion Ratio Lower Upper

63 100

106 24.9 19.2 28.8

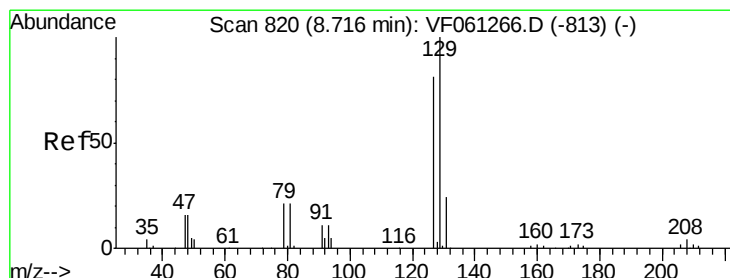
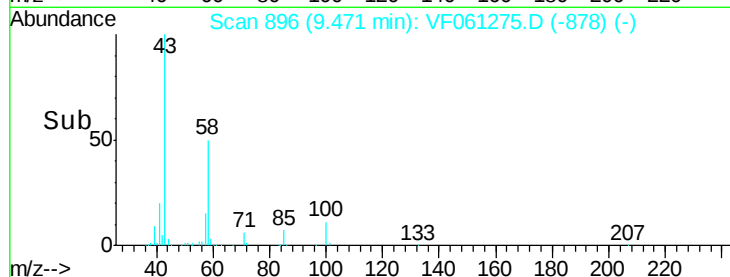
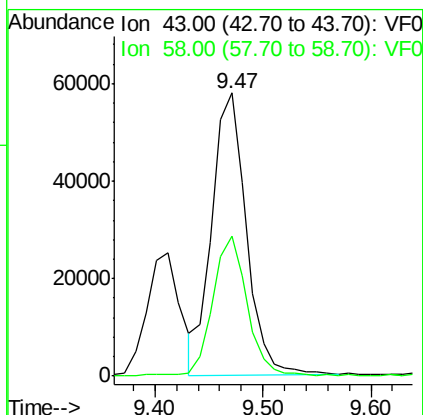
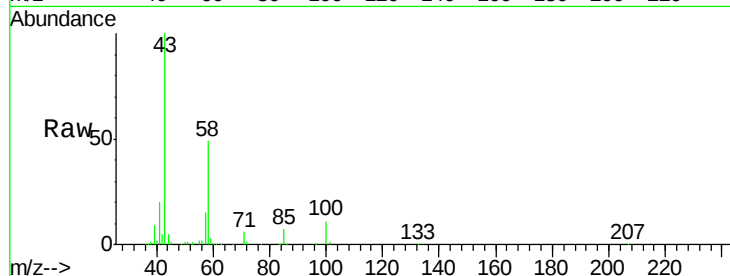




#59
2-Hexanone
Concen: 110.709 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

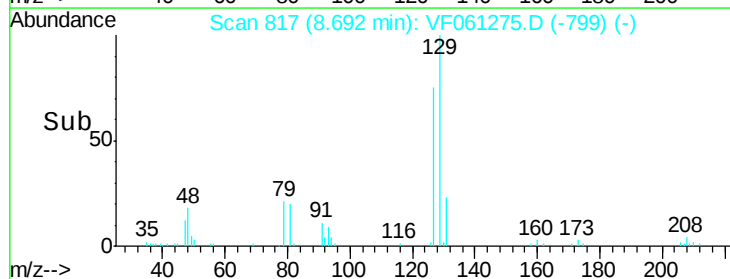
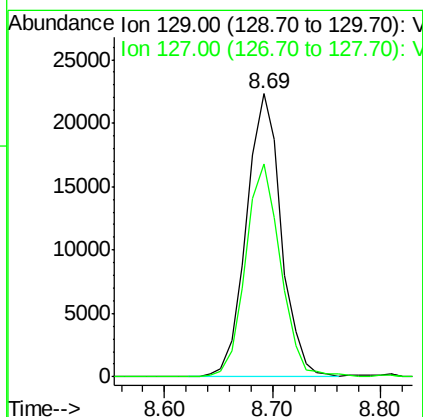
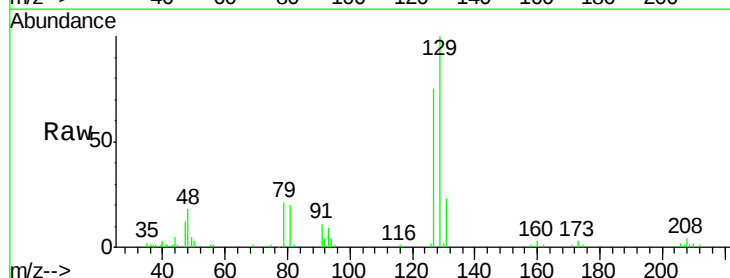
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

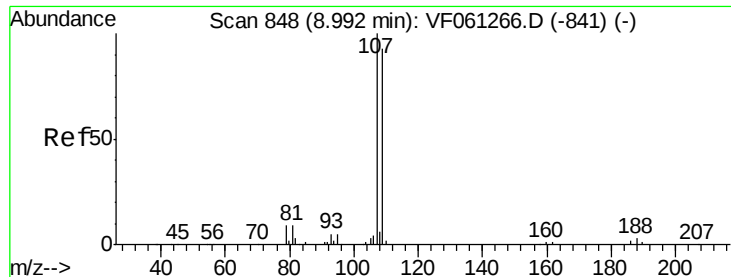
Tot Ion: 43 Resp: 127757
Ion Ratio Lower Upper
43 100
58 49.5 24.4 73.4



#60
Dibromochloromethane
Concen: 19.134 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion: 129 Resp: 49897
Ion Ratio Lower Upper
129 100
127 75.3 40.7 122.1





#61

1,2-Dibromoethane

Concen: 18.347 ug/l

RT: 8.96 min Scan# 844

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

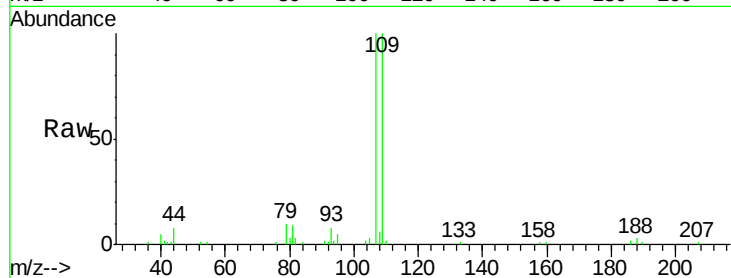
VF0107SBSD01

Tot Ion:107 Resp: 36351

Ion Ratio Lower Upper

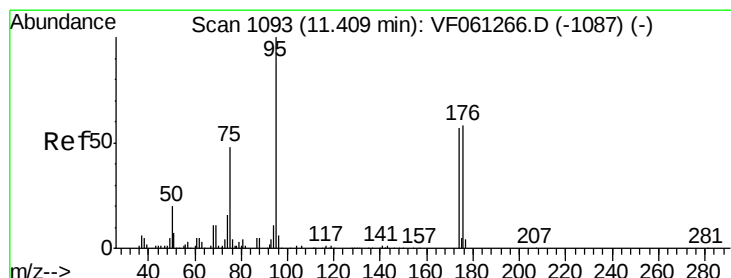
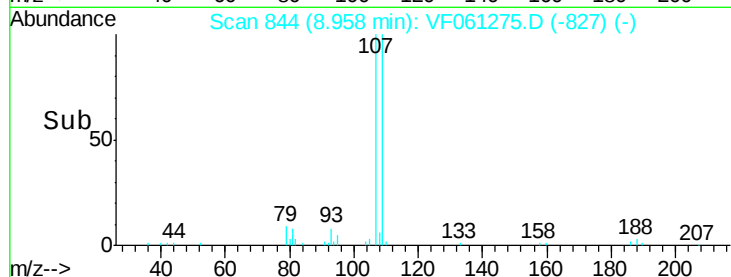
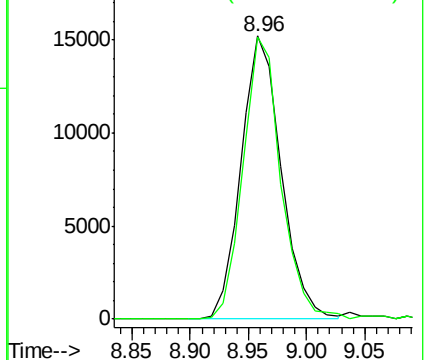
107 100

109 99.7 74.2 111.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.503 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

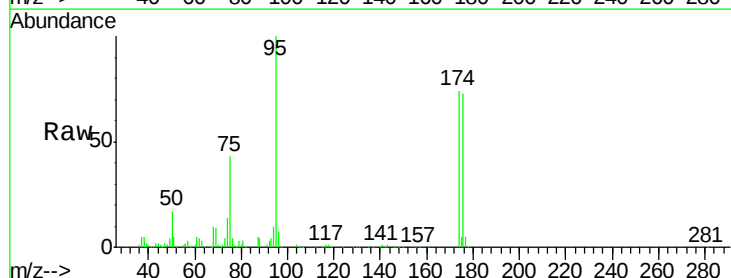
Tgt Ion: 95 Resp: 190572

Ion Ratio Lower Upper

95 100

174 73.6 0.0 113.2

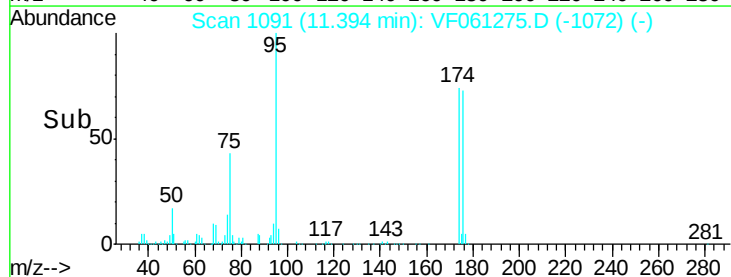
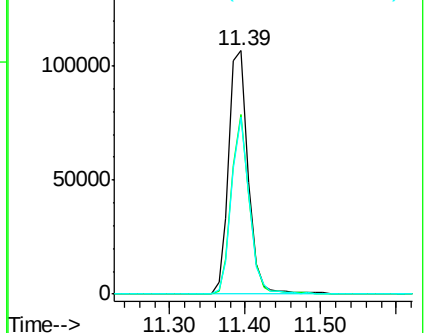
176 72.8 0.0 115.6

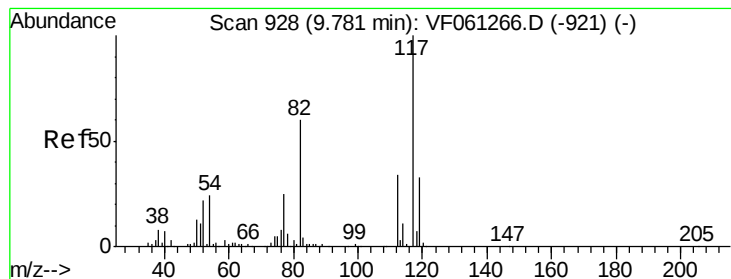


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 924

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

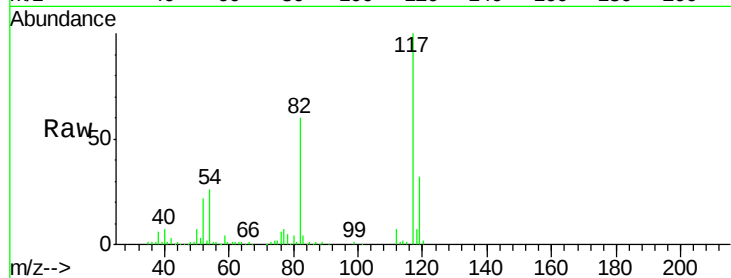
Tot Ion:117 Resp: 328444

Ion Ratio Lower Upper

117 100

82 60.1 47.8 71.6

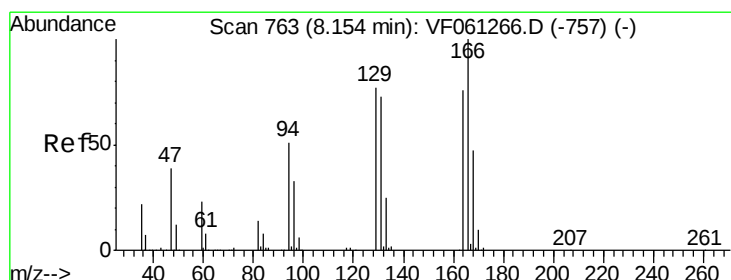
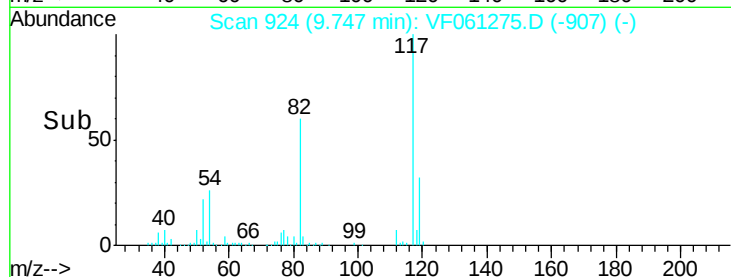
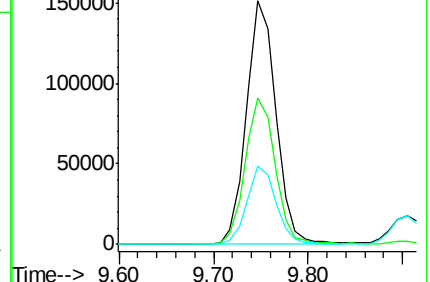
119 32.3 26.1 39.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 20.531 ug/l

RT: 8.13 min Scan# 760

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tgt Ion:164 Resp: 51677

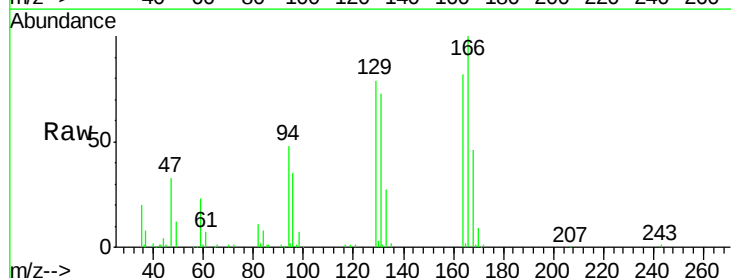
Ion Ratio Lower Upper

164 100

166 122.5 105.1 157.7

129 96.8 81.0 121.6

131 89.4 77.1 115.7

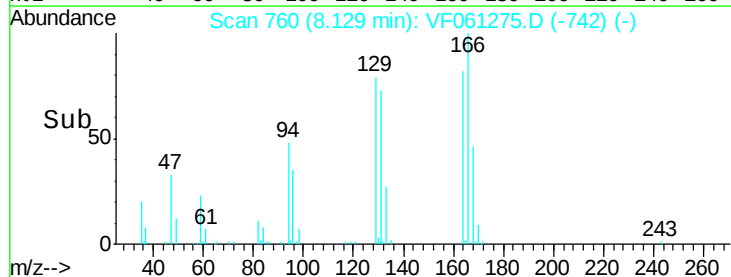
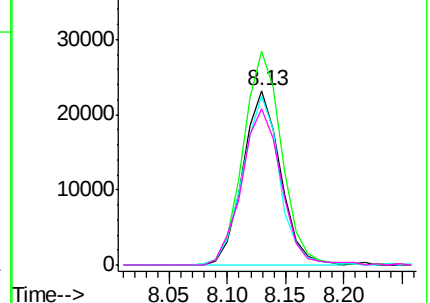


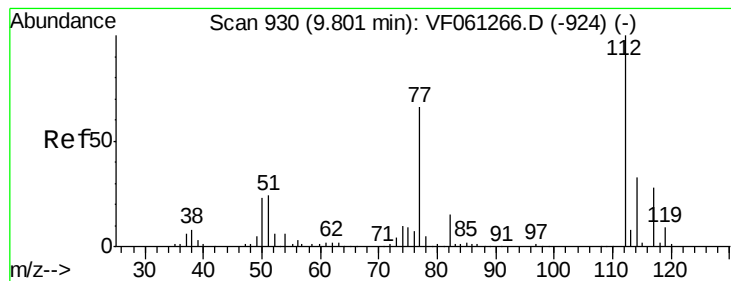
Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.312 ug/l

RT: 9.78 min Scan# 927

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

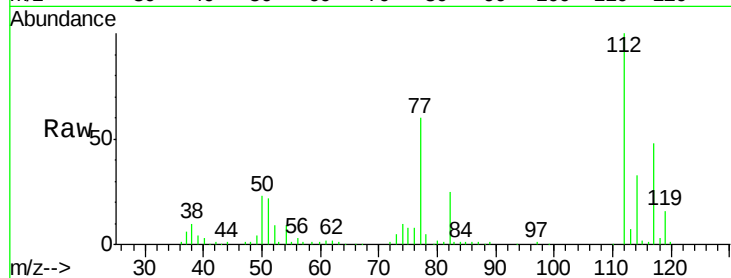
VF0107SBSD01

Tot Ion:112 Resp: 135659

Ion Ratio Lower Upper

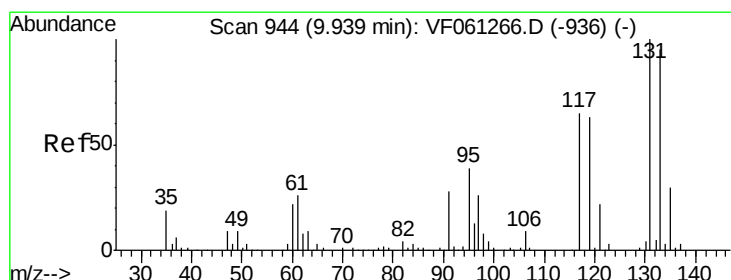
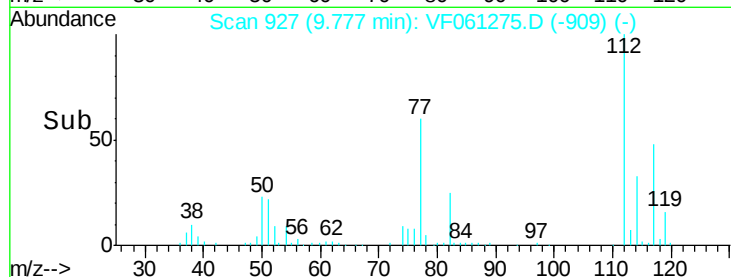
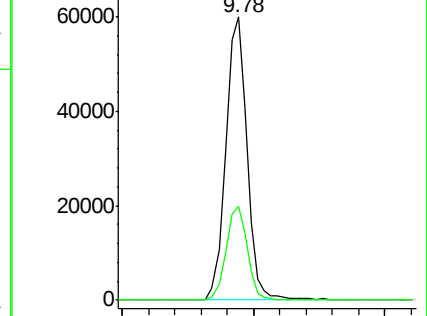
112 100

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: 20.906 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

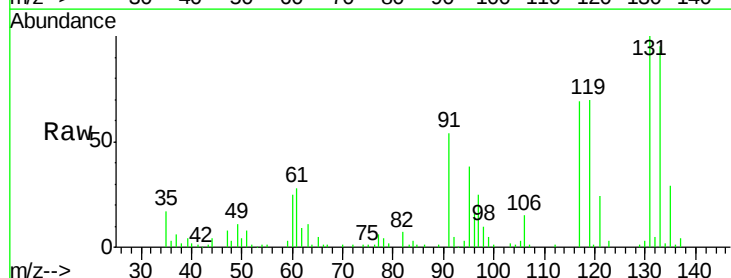
Tgt Ion:131 Resp: 57339

Ion Ratio Lower Upper

131 100

133 95.0 47.5 142.5

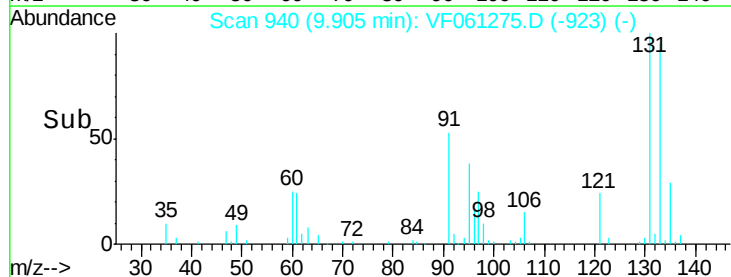
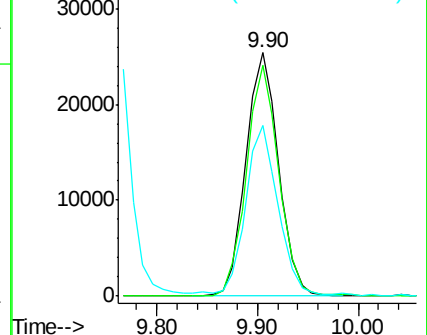
119 70.2 32.2 96.6

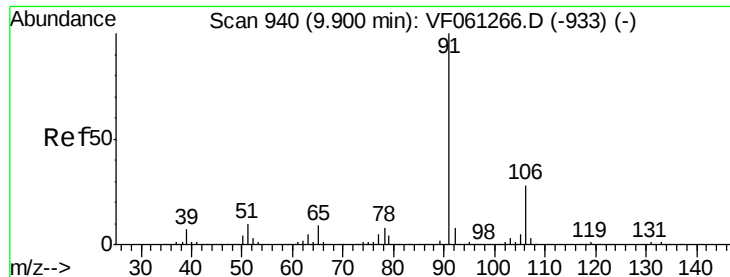


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

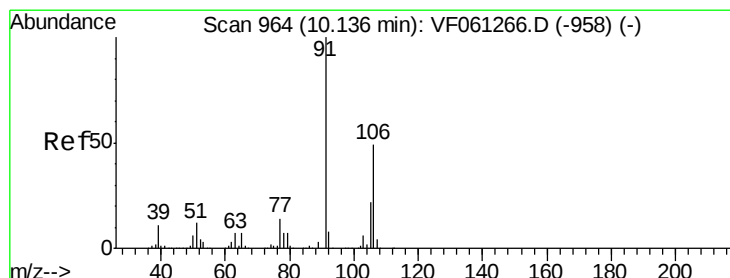
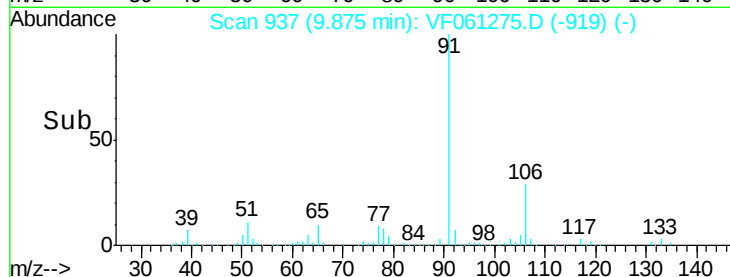
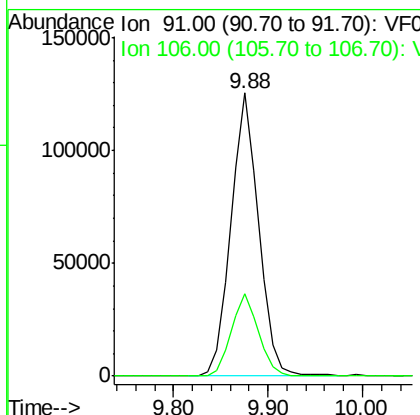
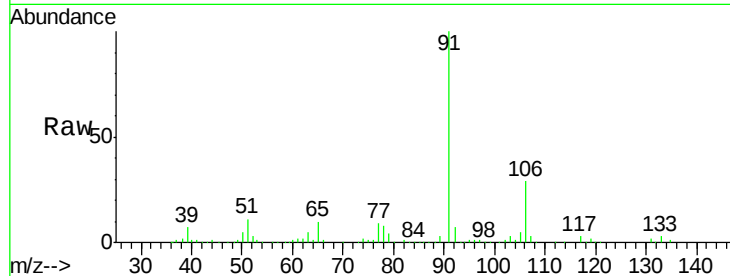




#67
Ethyl Benzene
Concen: 20.649 ug/l
RT: 9.88 min Scan# 937
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

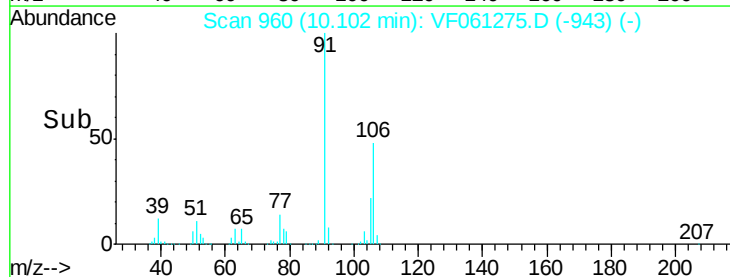
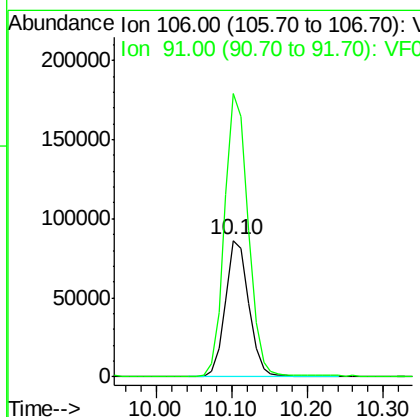
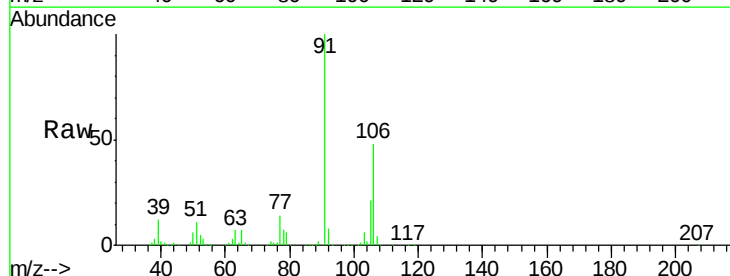
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

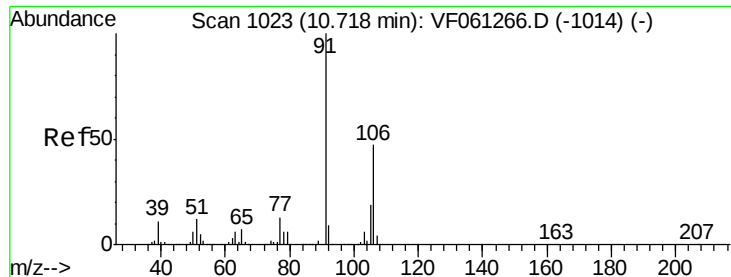
Tot Ion: 91 Resp: 253508
Ion Ratio Lower Upper
91 100
106 29.1 22.8 34.2



#68
m/p-Xylenes
Concen: 41.302 ug/l
RT: 10.10 min Scan# 960
Delta R.T. -0.03 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion: 106 Resp: 185053
Ion Ratio Lower Upper
106 100
91 207.4 164.8 247.2

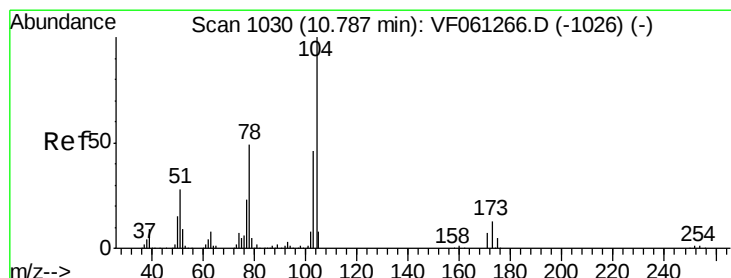
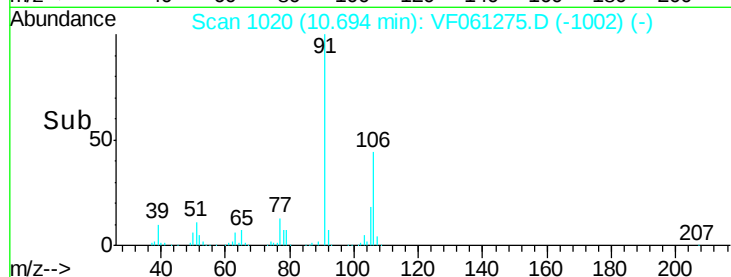
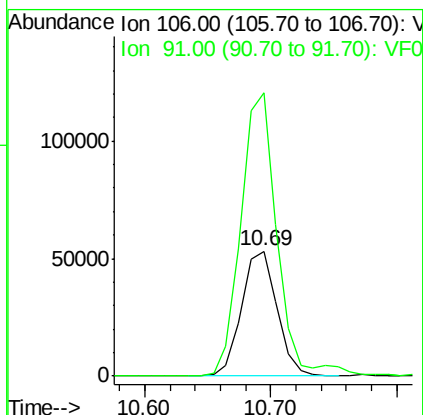
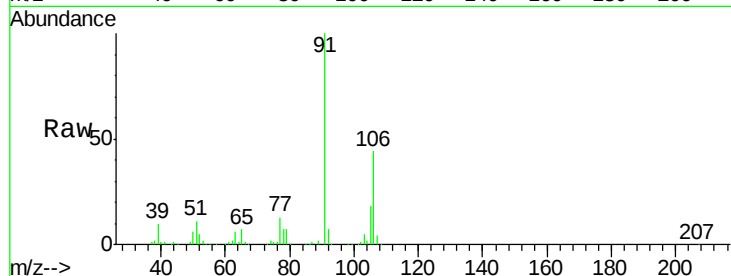




#69
o-Xylene
Concen: 21.390 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

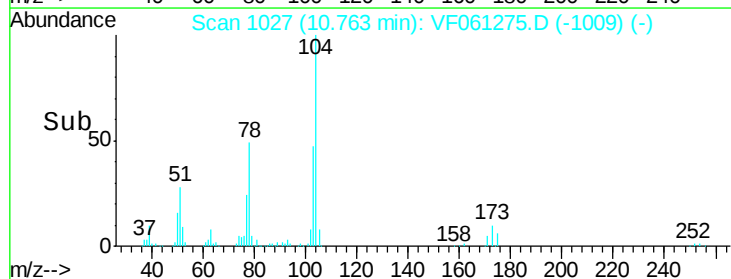
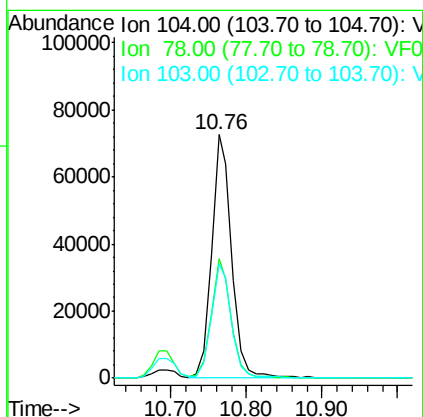
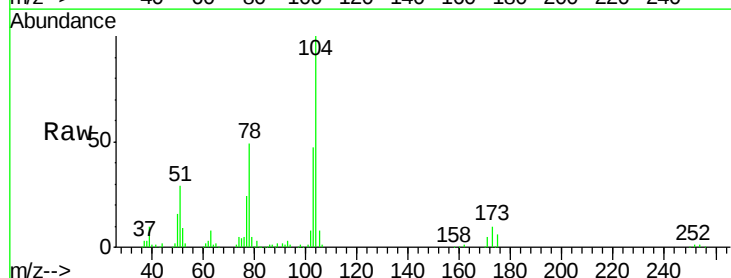
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

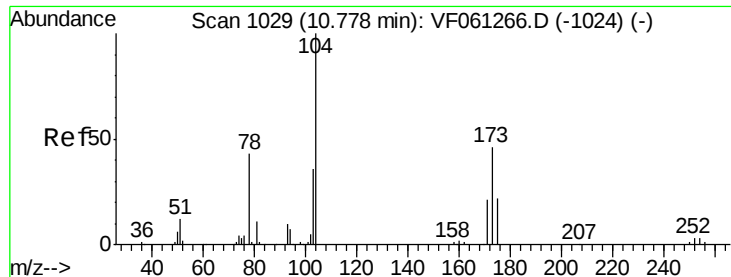
Tot Ion:106 Resp: 103674
Ion Ratio Lower Upper
106 100
91 227.0 106.2 318.5



#70
Styrene
Concen: 20.069 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion:104 Resp: 133905
Ion Ratio Lower Upper
104 100
78 48.9 39.3 58.9
103 46.9 37.3 55.9





#71

Bromoform

Concen: 19.279 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

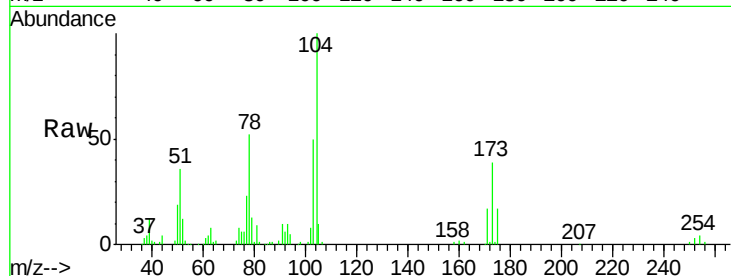
Tot Ion:173 Resp: 24618

Ion Ratio Lower Upper

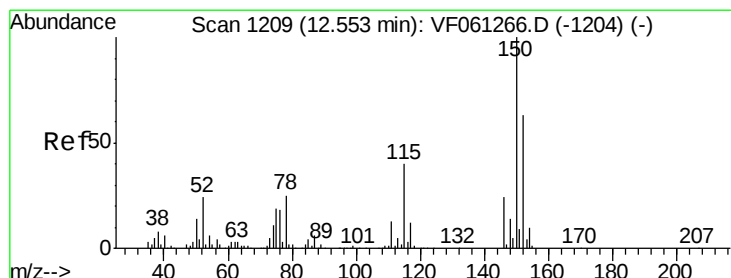
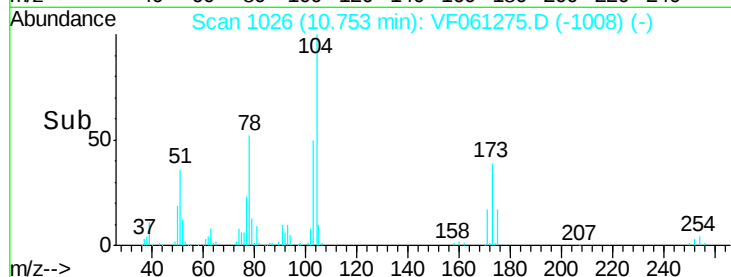
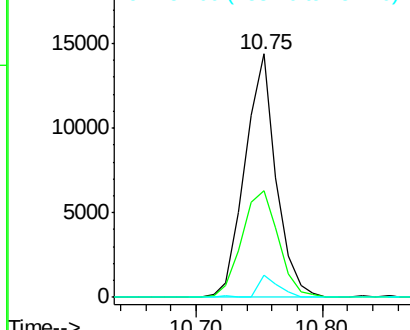
173 100

175 43.6 24.6 73.6

254 9.2 5.3 7.9#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1206

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

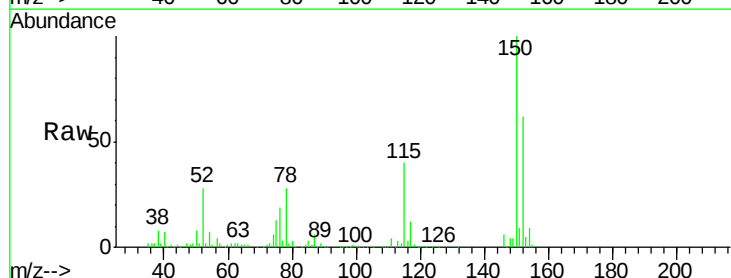
Tgt Ion:152 Resp: 161803

Ion Ratio Lower Upper

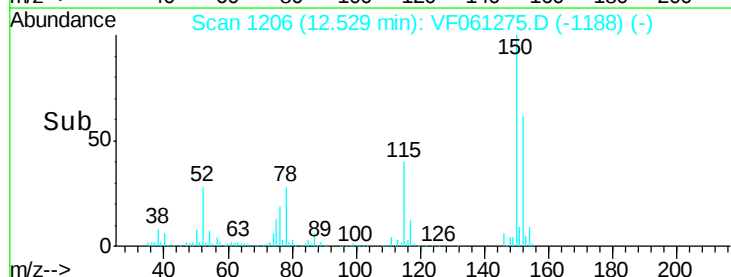
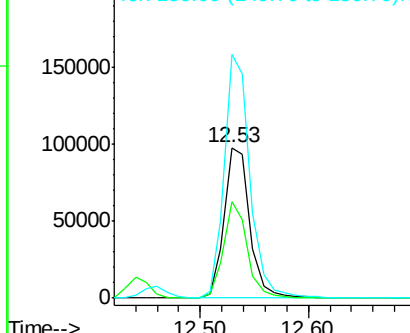
152 100

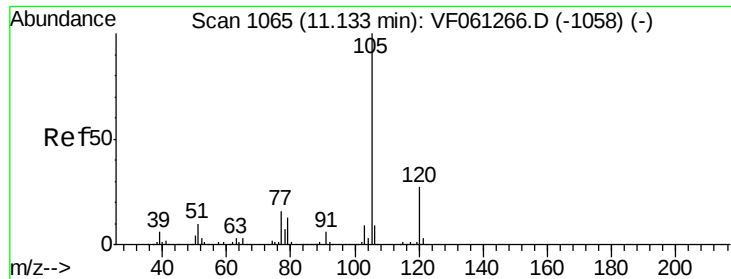
115 64.0 31.6 94.7

150 161.8 0.0 320.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.613 ug/l

RT: 11.10 min Scan# 1061

Delta R.T. -0.03 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

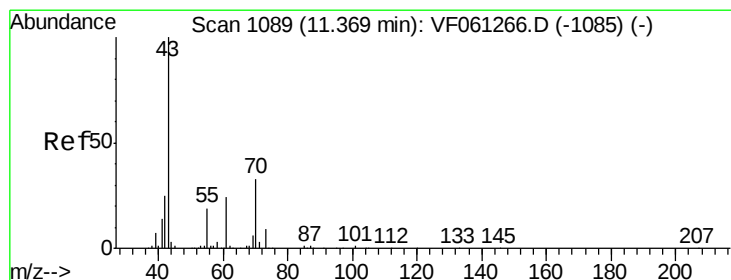
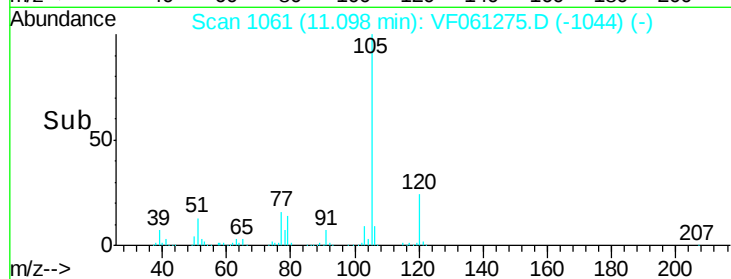
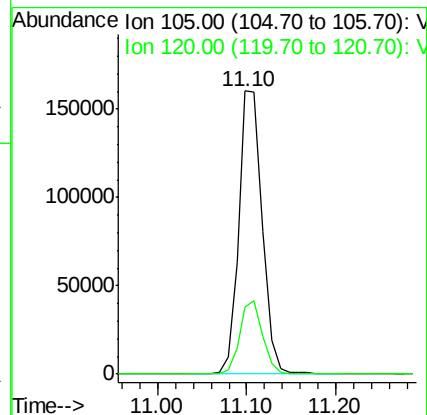
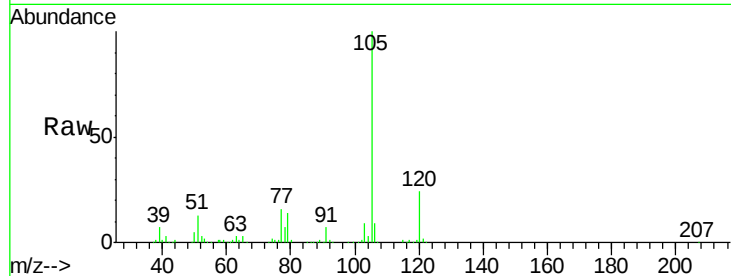
VF0107SBSD01

Tot Ion:105 Resp: 297055

Ion Ratio Lower Upper

105 100

120 23.7 13.4 40.1



#74

N-ethyl acetate

Concen: 22.273 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Tgt Ion: 43 Resp: 77287

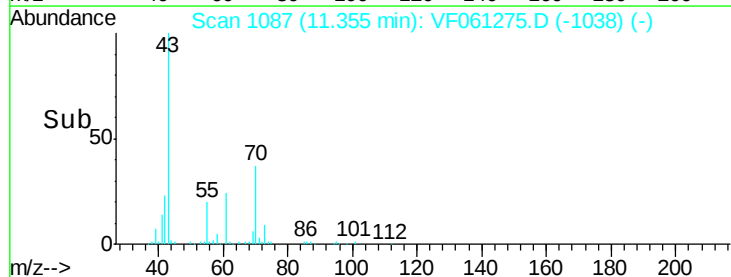
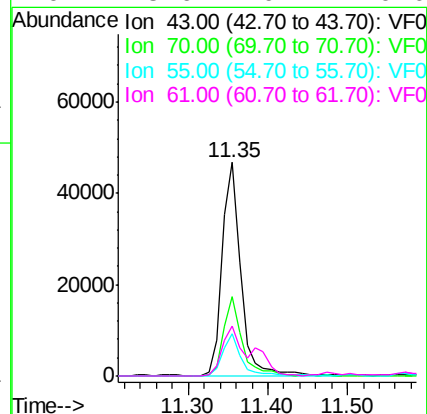
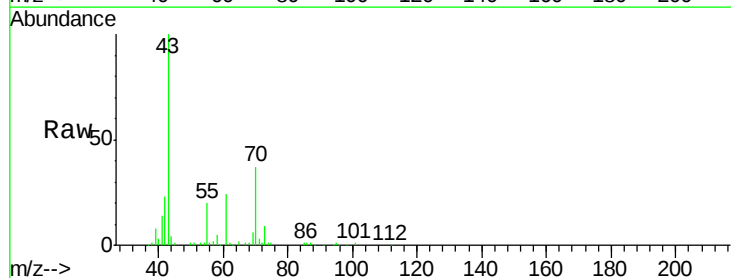
Ion Ratio Lower Upper

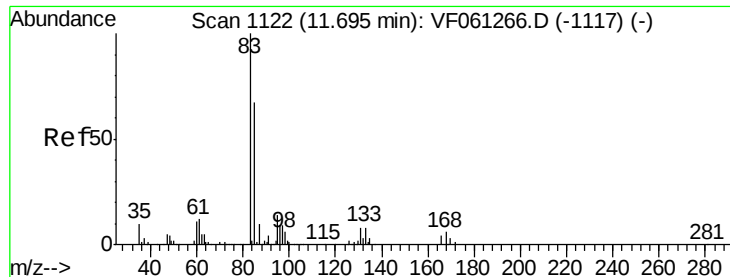
43 100

70 37.0 26.7 40.1

55 20.1 15.4 23.0

61 23.6 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.831 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

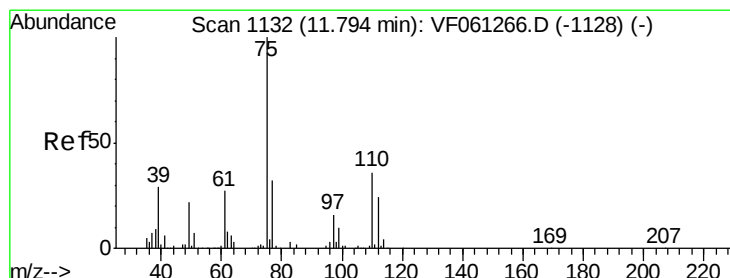
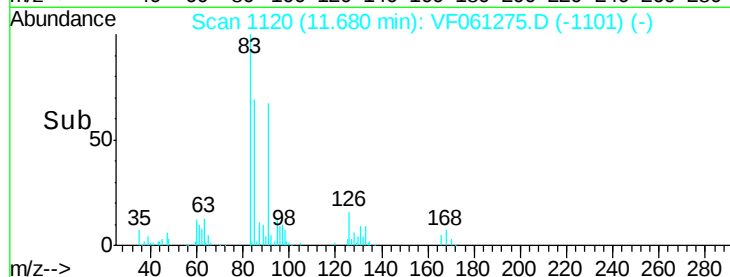
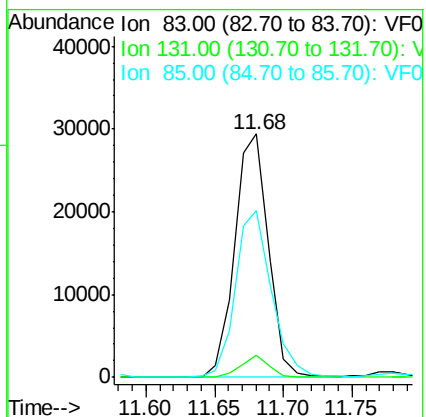
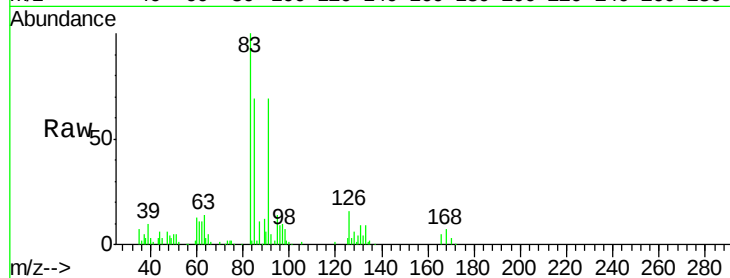
Tot Ion: 83 Resp: 50008

Ion Ratio Lower Upper

83 100

131 9.3 4.0 12.0

85 68.8 33.6 100.8



#76

1,2,3-Trichloropropane

Concen: 20.660 ug/l

RT: 11.78 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF061275.D

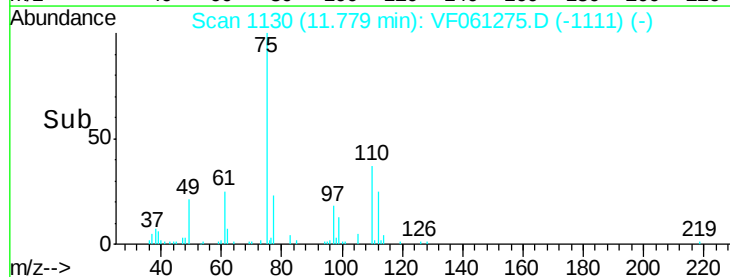
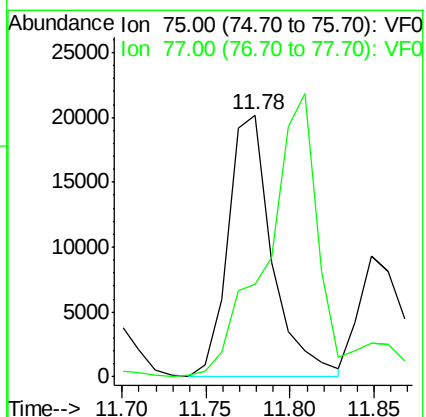
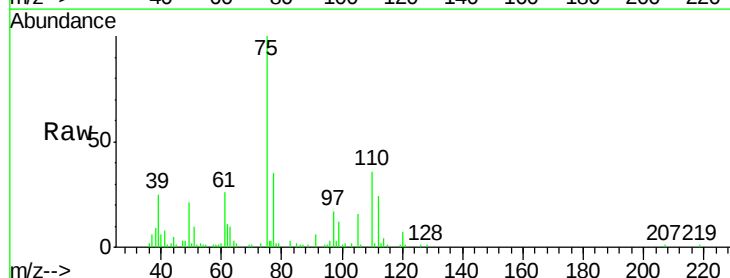
Acq: 7 Jan 2019 13:16

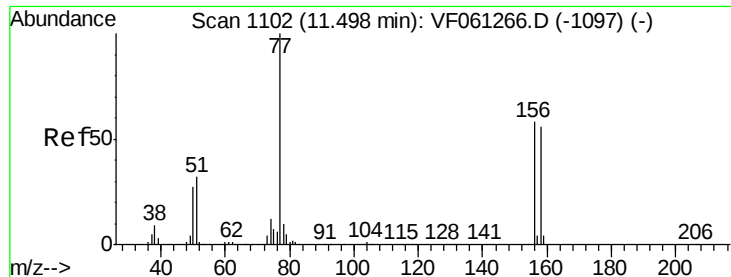
Tgt Ion: 75 Resp: 36820

Ion Ratio Lower Upper

75 100

77 35.2 15.9 47.7





#77

Bromobenzene

Concen: 20.598 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBS01

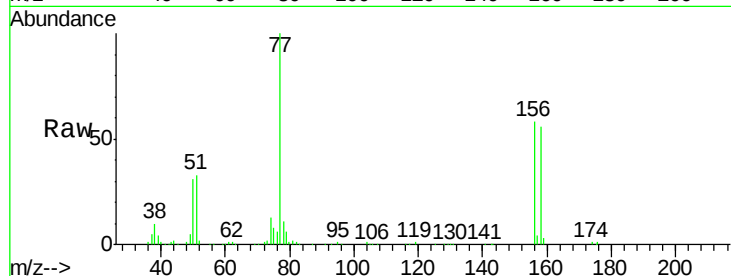
Tot Ion:156 Resp: 59431

Ion Ratio Lower Upper

156 100

77 171.6 85.8 257.3

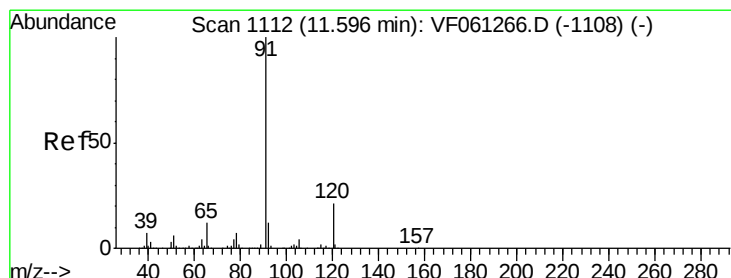
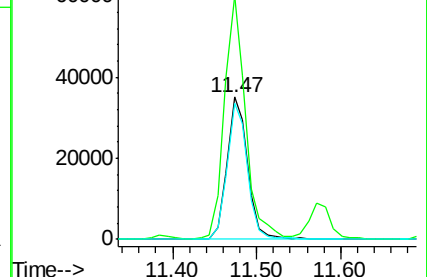
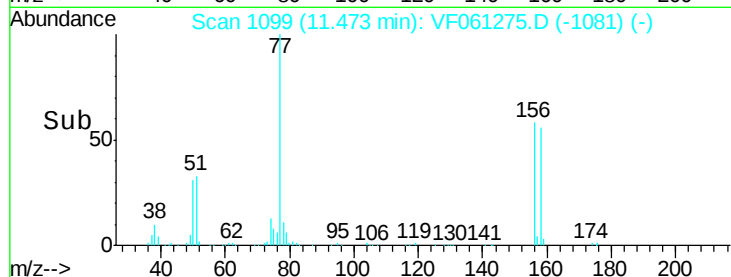
158 95.7 47.6 142.8



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: 22.058 ug/l

RT: 11.57 min Scan# 1109

Delta R.T. -0.02 min

Lab File: VF061275.D

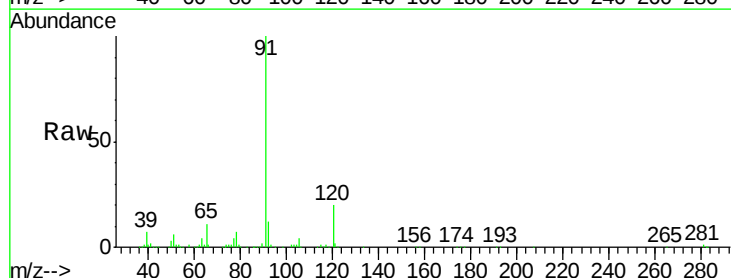
Acq: 7 Jan 2019 13:16

Tgt Ion: 91 Resp: 361359

Ion Ratio Lower Upper

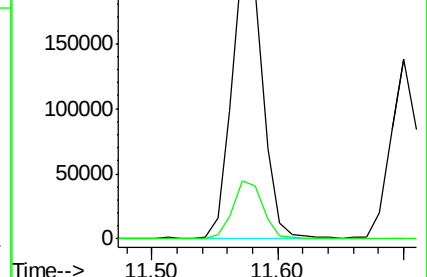
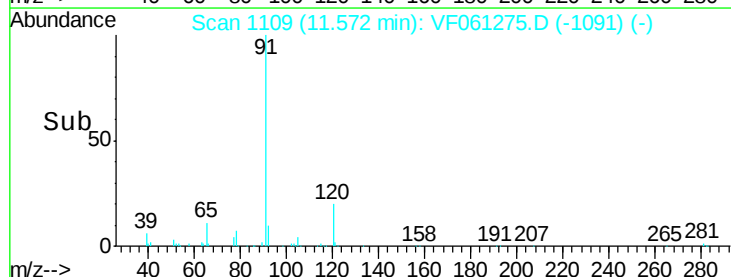
91 100

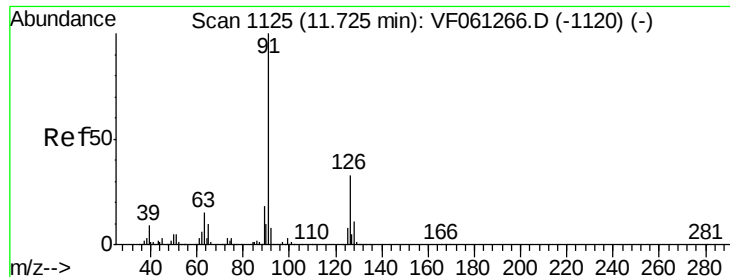
120 20.3 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

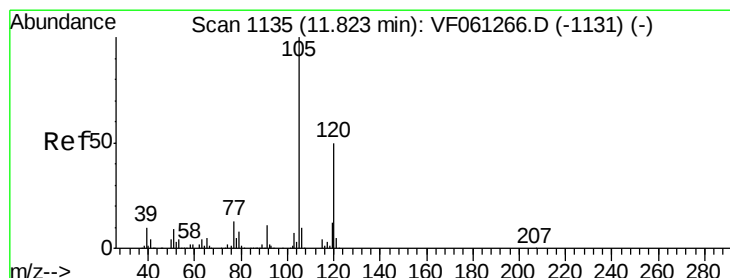
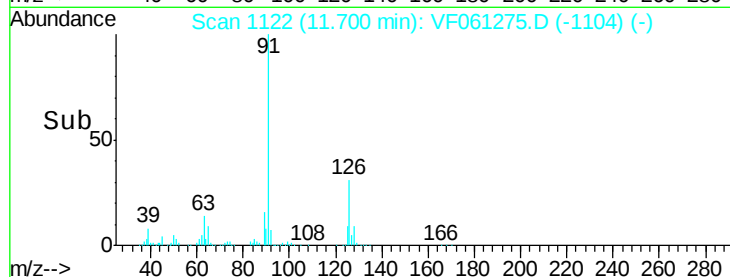
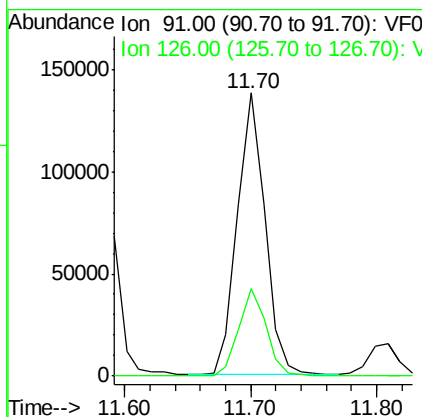
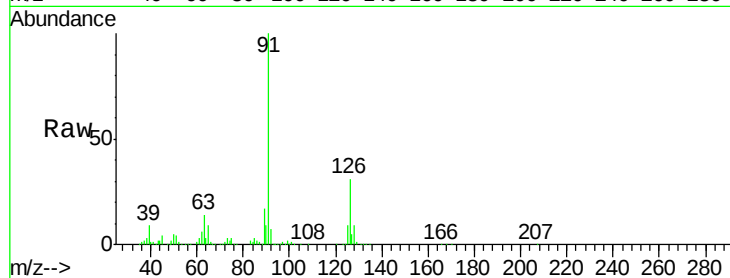




#79
 2-Chlorotoluene
 Concen: 22.162 ug/l
 RT: 11.70 min Scan# 1122
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

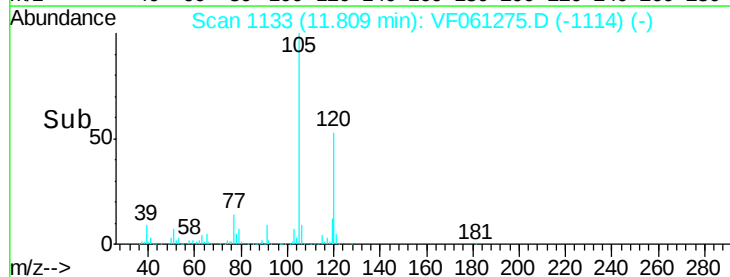
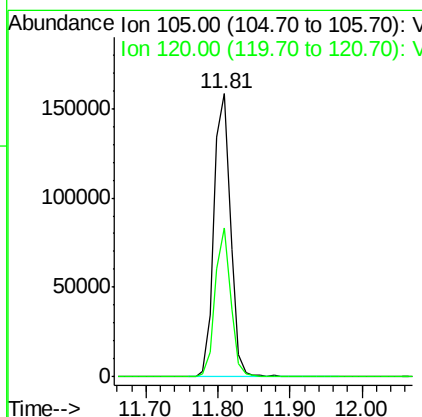
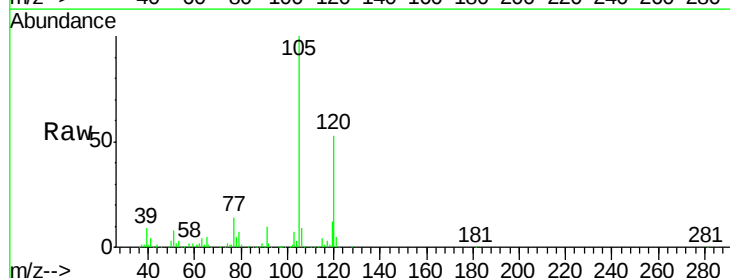
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

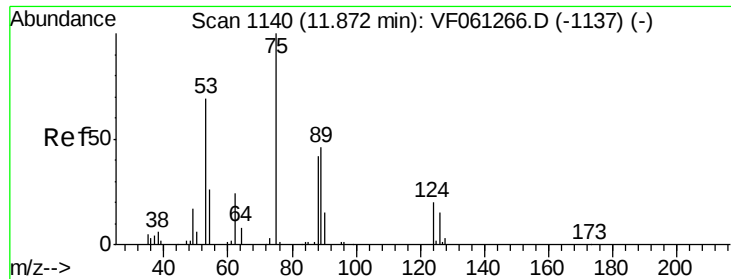
Tot Ion: 91 Resp: 209678
 Ion Ratio Lower Upper
 91 100
 126 30.8 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 22.556 ug/l
 RT: 11.81 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion: 105 Resp: 250272
 Ion Ratio Lower Upper
 105 100
 120 52.7 24.8 74.4

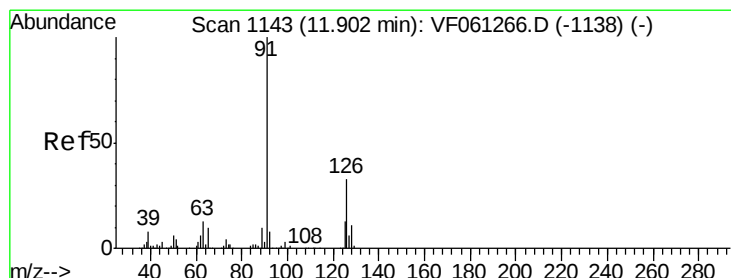
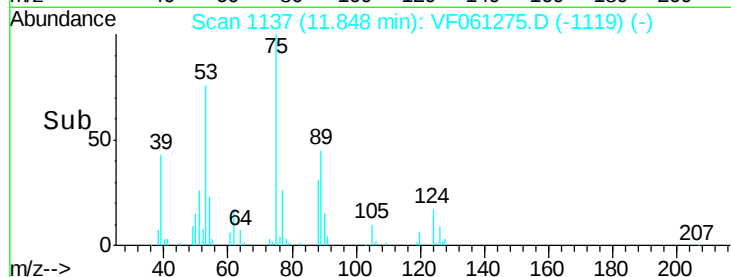
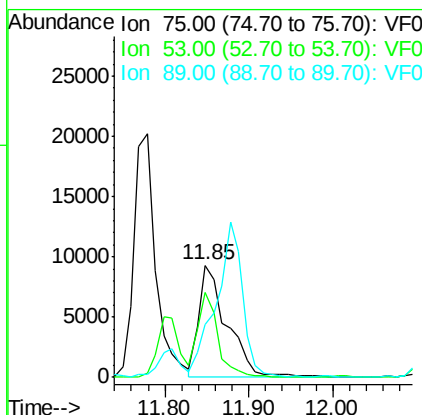
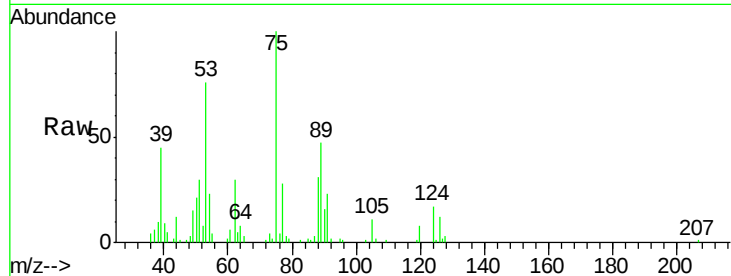




#81
trans-1,4-Dichloro-2-butene
Concen: 26.770 ug/l
RT: 11.85 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

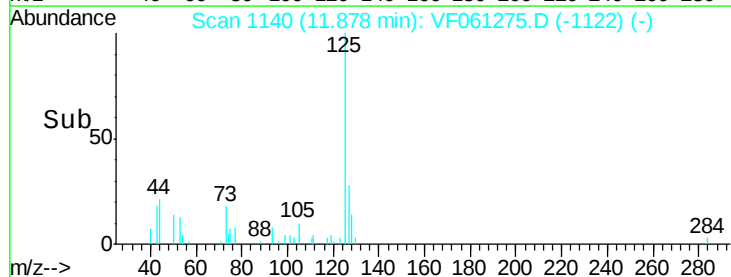
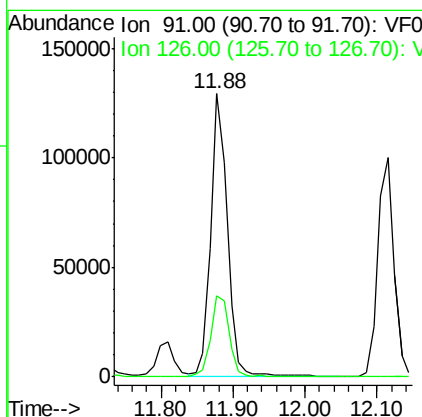
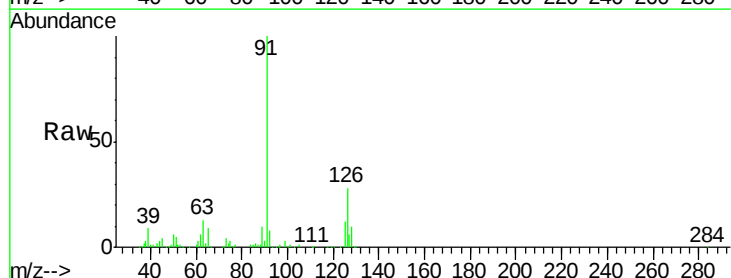
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

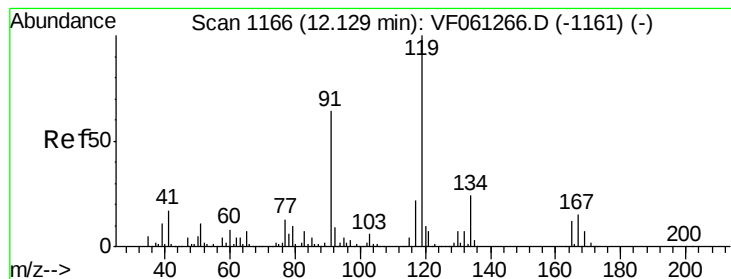
Tot Ion: 75 Resp: 21866
Ion Ratio Lower Upper
75 100
53 76.1 61.7 92.5
89 47.4 40.3 60.5



#82
4-Chlorotoluene
Concen: 21.393 ug/l
RT: 11.88 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion: 91 Resp: 205185
Ion Ratio Lower Upper
91 100
126 28.5 16.3 48.8





#83

tert-Butylbenzene

Concen: 22.487 ug/l

RT: 12.11 min Scan# 1164

Delta R.T. -0.01 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

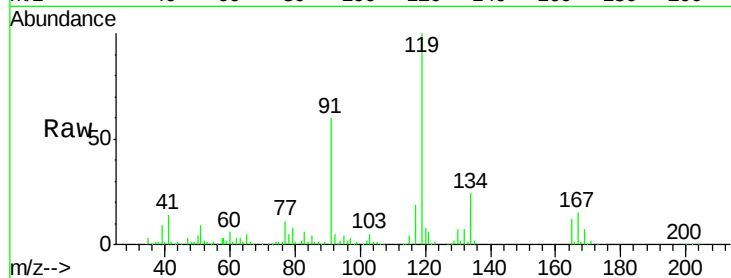
Tot Ion:119 Resp: 257257

Ion Ratio Lower Upper

119 100

91 59.6 32.0 96.0

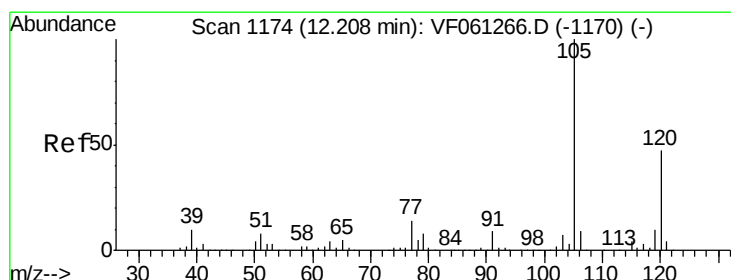
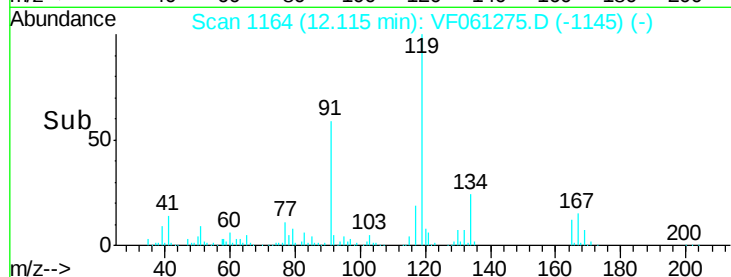
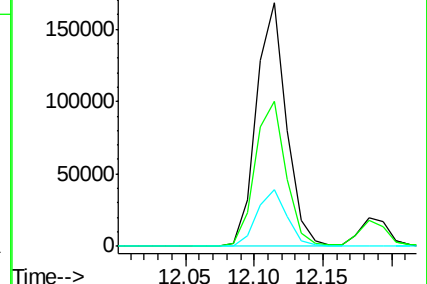
134 23.5 12.1 36.3



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: 21.817 ug/l

RT: 12.18 min Scan# 1171

Delta R.T. -0.02 min

Lab File: VF061275.D

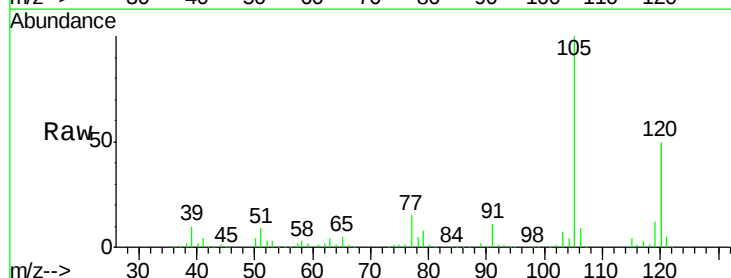
Acq: 7 Jan 2019 13:16

Tgt Ion:105 Resp: 240992

Ion Ratio Lower Upper

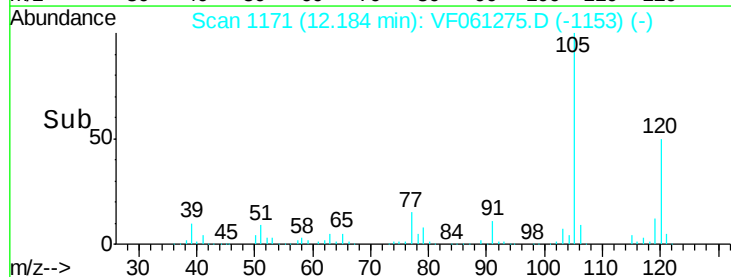
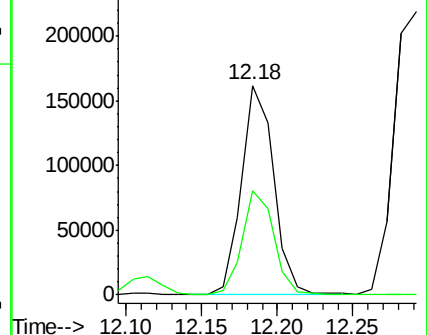
105 100

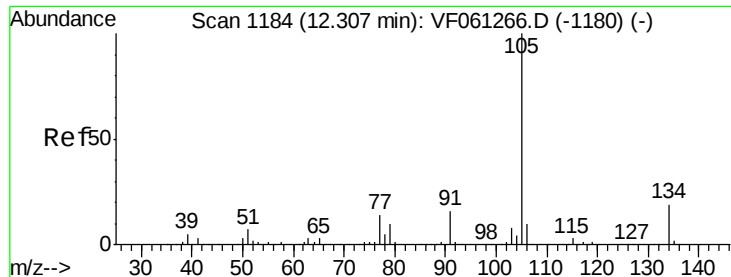
120 50.0 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

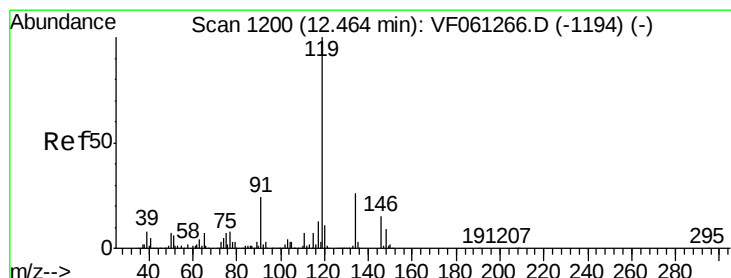
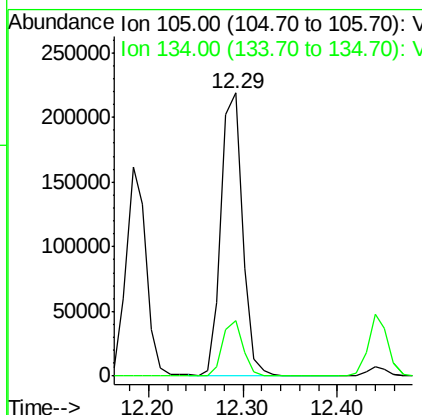
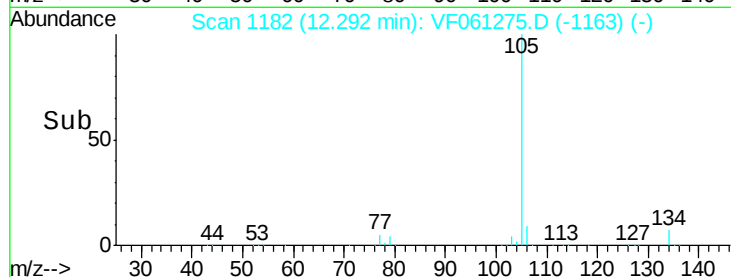
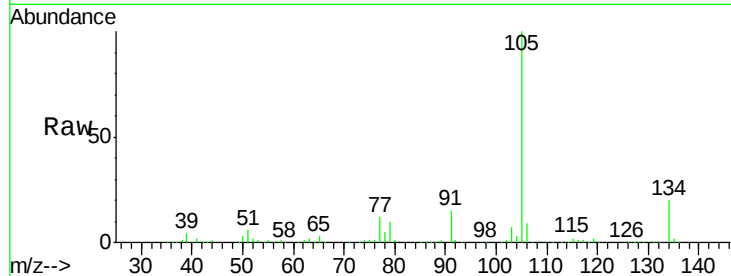




#85
 sec-Butylbenzene
 Concen: 22.389 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

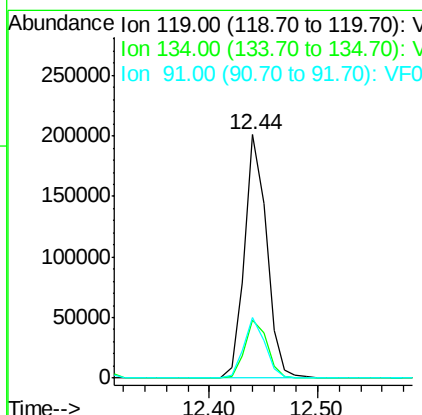
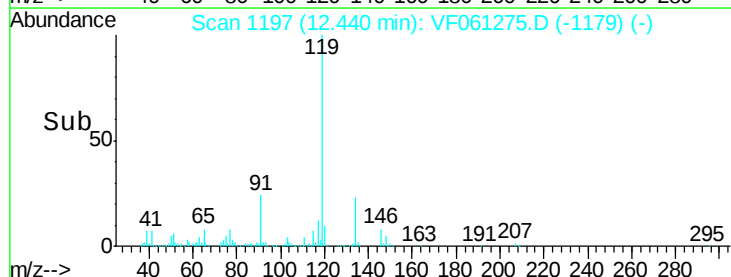
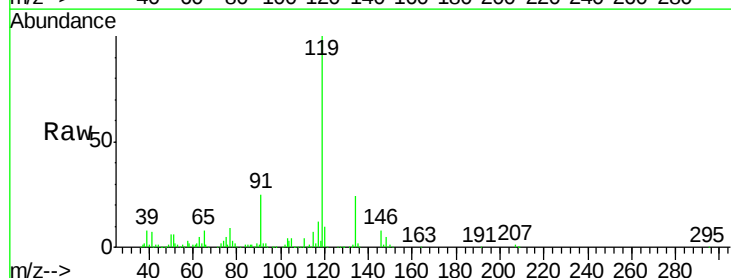
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

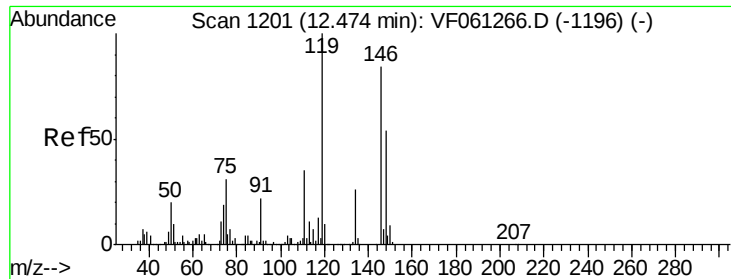
Tot Ion:105 Resp: 347441
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 22.416 ug/l
 RT: 12.44 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion:119 Resp: 286622
 Ion Ratio Lower Upper
 119 100
 134 23.6 13.2 39.6
 91 24.6 11.9 35.7

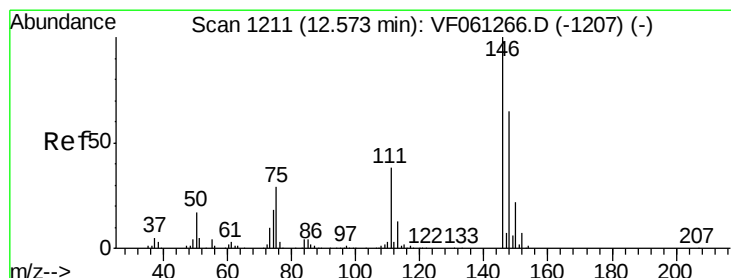
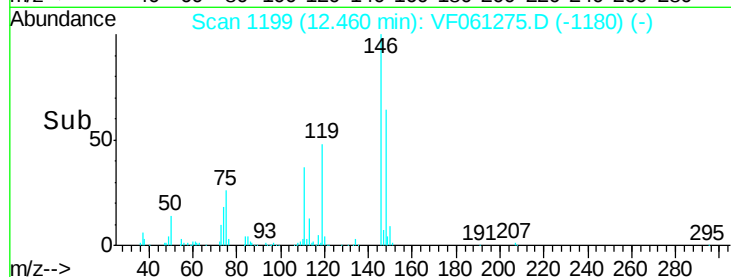
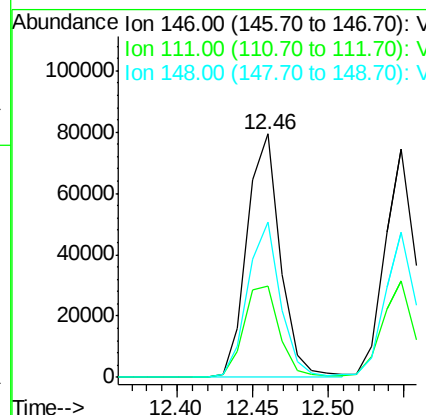
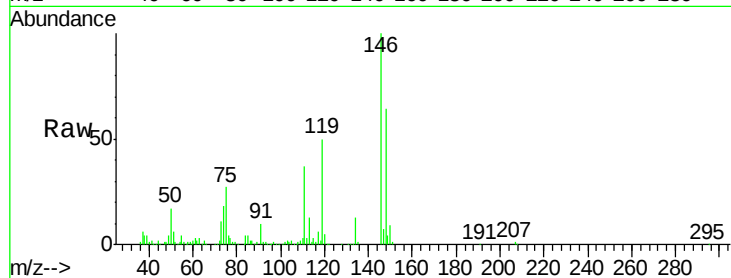




#87
 1,3-Dichlorobenzene
 Concen: 21.965 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

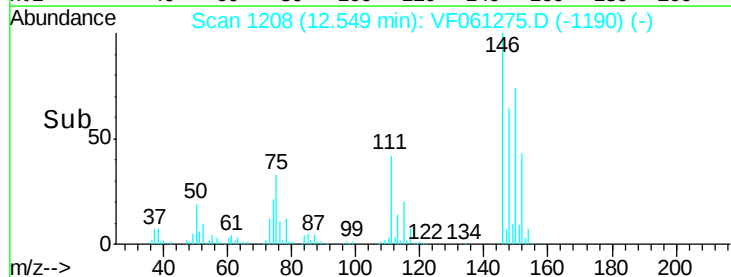
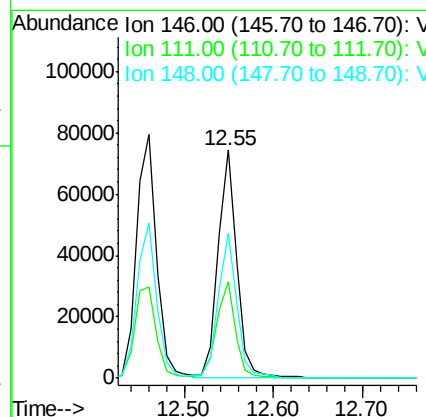
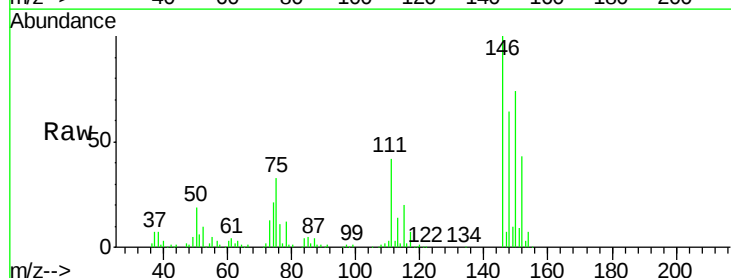
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

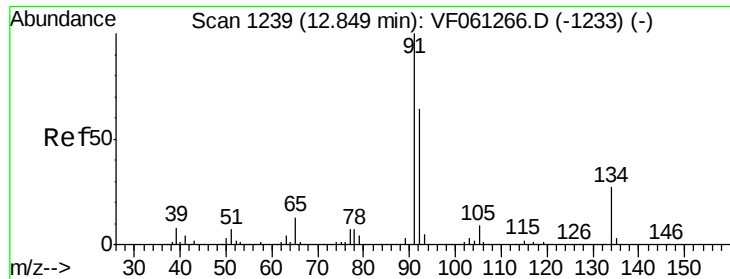
Tot Ion:146 Resp: 122293
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.9 62.8
 148 63.6 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 20.233 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion:146 Resp: 109913
 Ion Ratio Lower Upper
 146 100
 111 42.2 19.3 57.9
 148 63.9 32.6 98.0

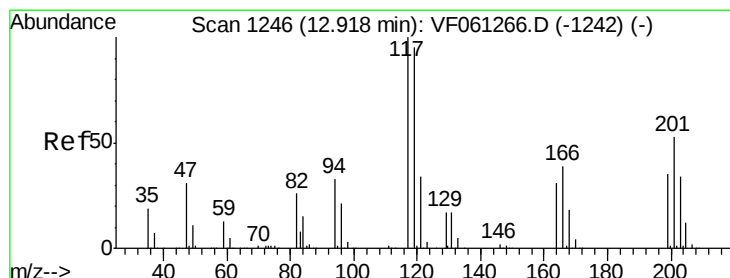
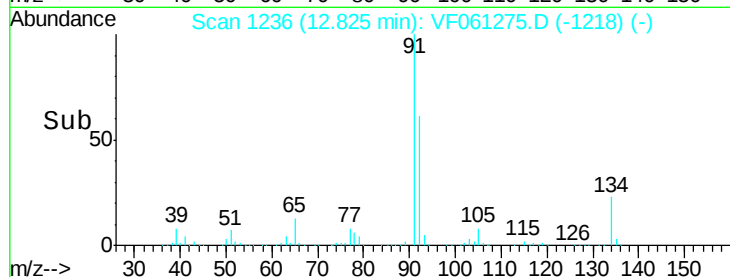
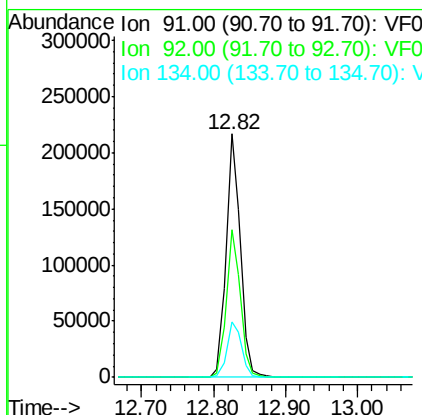
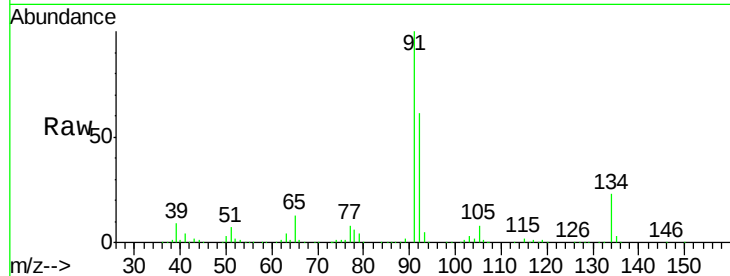




#89
n-Butylbenzene
Concen: 22.128 ug/l
RT: 12.82 min Scan# 1236
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

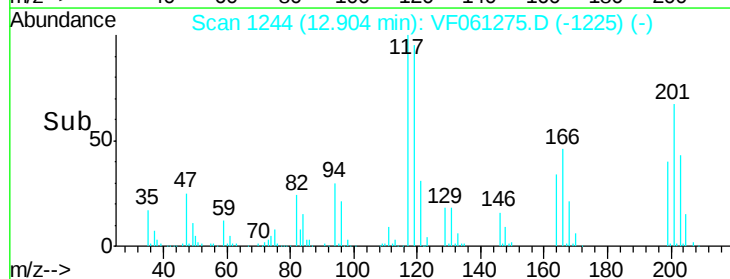
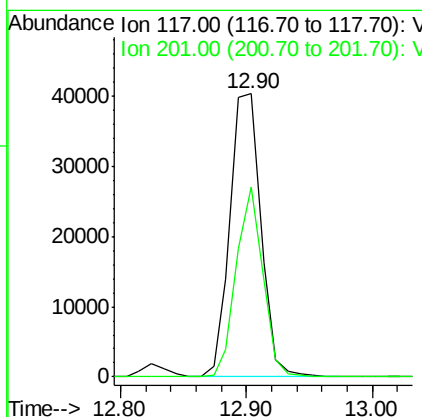
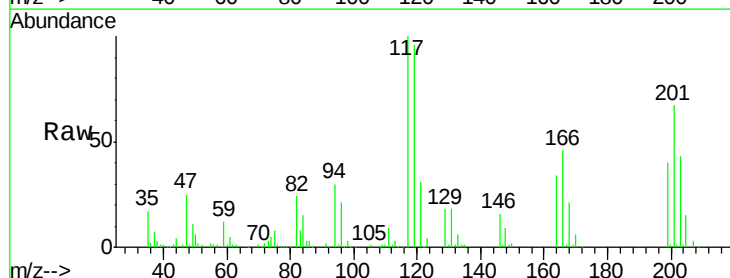
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBS01

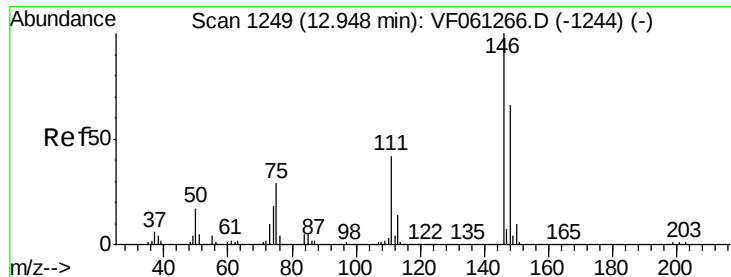
Tot Ion: 91 Resp: 298762
Ion Ratio Lower Upper
91 100
92 60.7 31.9 95.7
134 22.8 13.6 40.7



#90
Hexachloroethane
Concen: 21.733 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion: 117 Resp: 68557
Ion Ratio Lower Upper
117 100
201 67.0 26.6 79.7





#91

1,2-Dichlorobenzene

Concen: 21.165 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBSD01

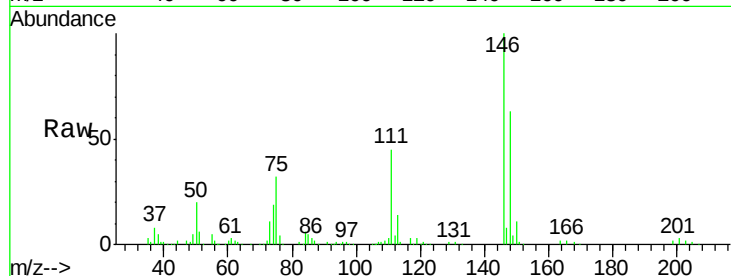
Tot Ion:146 Resp: 113832

Ion Ratio Lower Upper

146 100

111 45.2 21.1 63.4

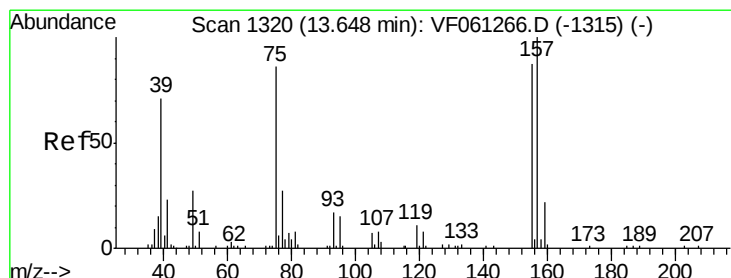
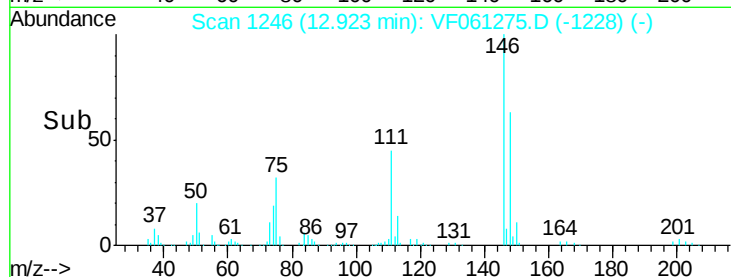
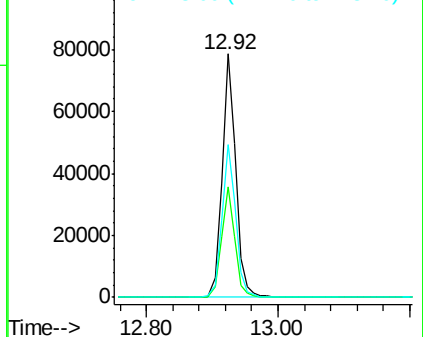
148 62.5 32.8 98.4



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: 18.282 ug/l

RT: 13.62 min Scan# 1317

Delta R.T. -0.02 min

Lab File: VF061275.D

Acq: 7 Jan 2019 13:16

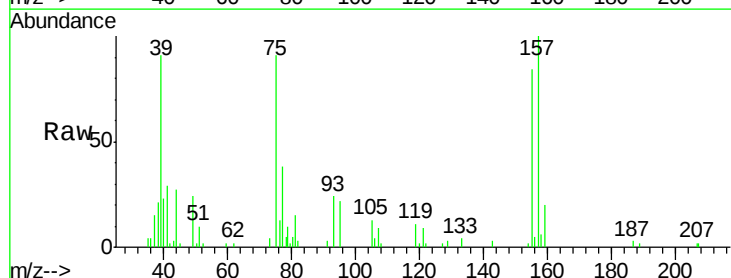
Tgt Ion: 75 Resp: 7887

Ion Ratio Lower Upper

75 100

155 92.3 50.6 151.8

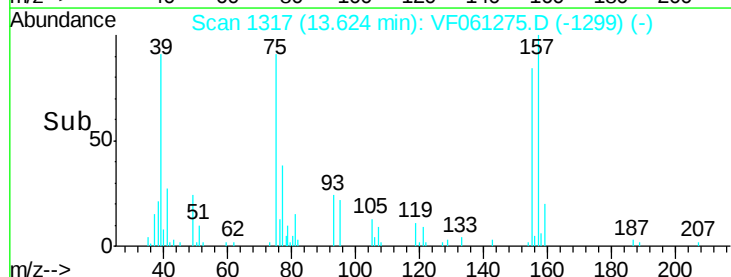
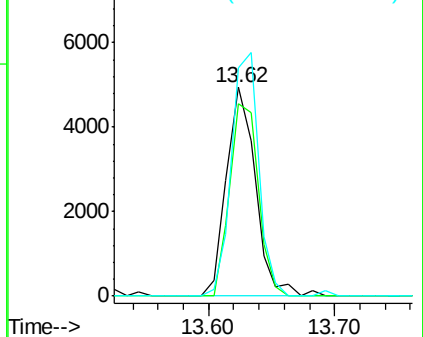
157 109.6 58.0 173.9

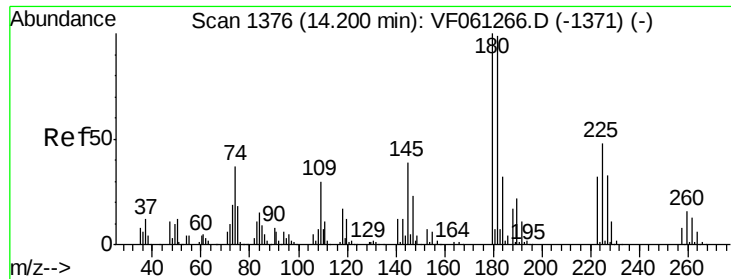


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

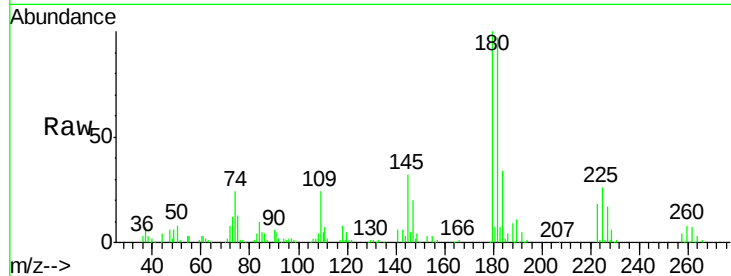




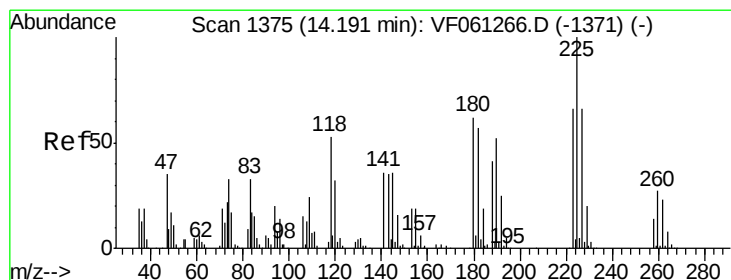
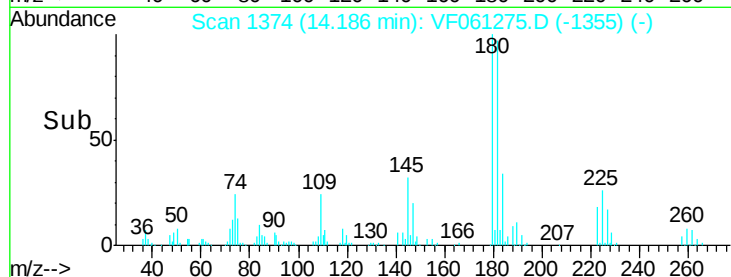
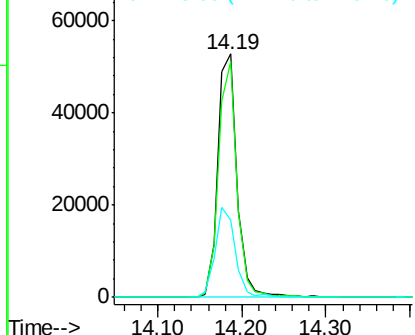
#93
 1,2,4-Trichlorobenzene
 Concen: 22.277 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBSD01

Tot Ion:180 Resp: 83897
 Ion Ratio Lower Upper
 180 100
 182 96.8 49.5 148.3
 145 32.0 19.7 59.0

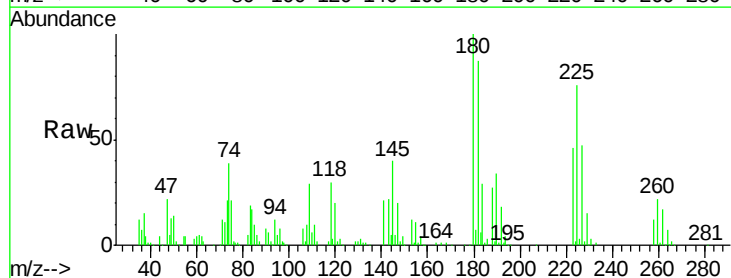


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

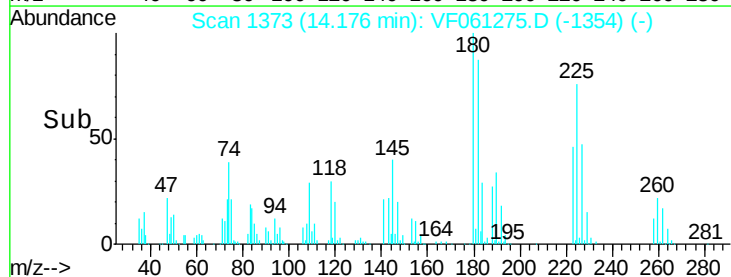
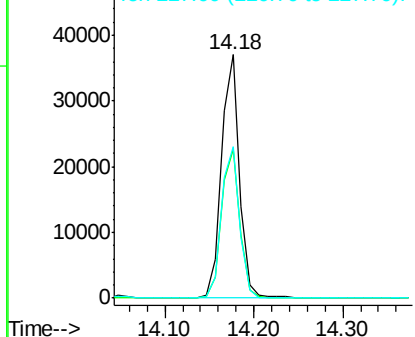


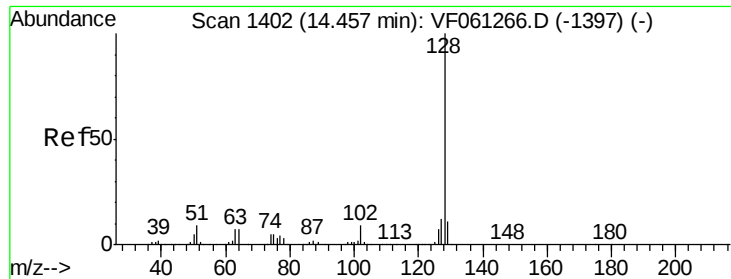
#94
 Hexachlorobutadiene
 Concen: 22.070 ug/l
 RT: 14.18 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061275.D
 Acq: 7 Jan 2019 13:16

Tgt Ion:225 Resp: 52957
 Ion Ratio Lower Upper
 225 100
 223 61.3 33.0 99.0
 227 62.1 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

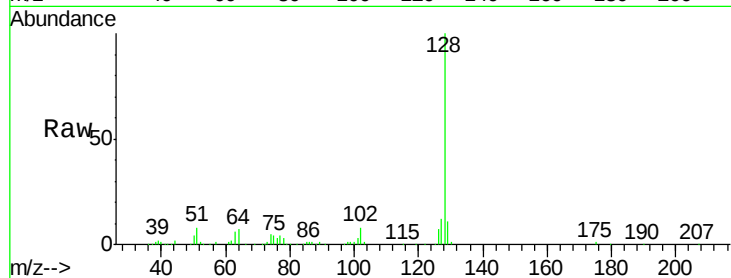




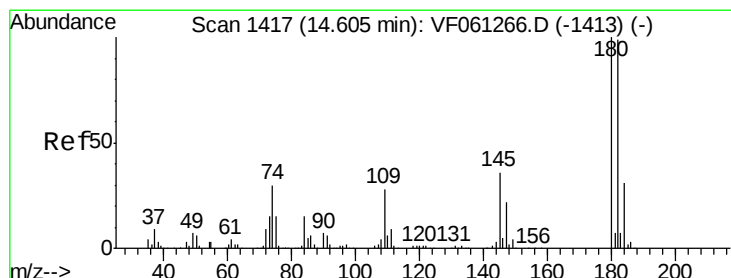
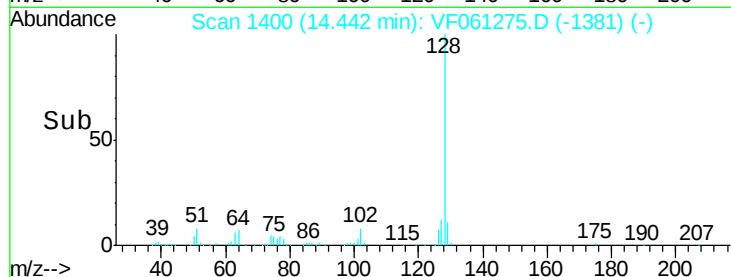
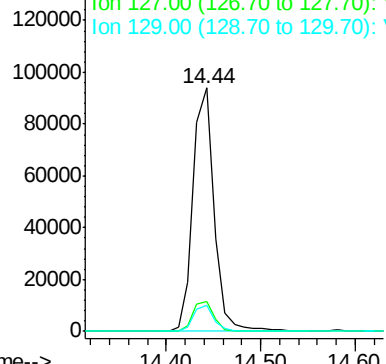
#95
Naphthalene
Concen: 20.765 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBSD01

Tot Ion:128 Resp: 146177
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.6
129 10.9 9.0 13.4

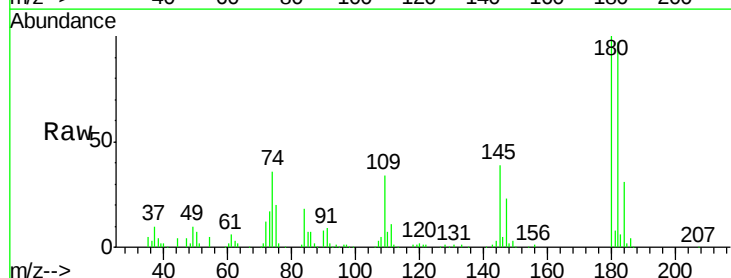


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.277 ug/l
RT: 14.58 min Scan# 1414
Delta R.T. -0.02 min
Lab File: VF061275.D
Acq: 7 Jan 2019 13:16

Tgt Ion:180 Resp: 74296
Ion Ratio Lower Upper
180 100
182 96.7 49.5 148.5
145 38.9 18.0 54.0



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

