

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021319\
 Data File : VF061627.D
 Acq On : 13 Feb 2019 17:34
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Feb 14 03:15:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:03:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	273476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	409715	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	364763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	195108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	101933	29.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.92%	
35) Dibromofluoromethane	4.12	113	146488	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
50) Toluene-d8	7.56	98	444139	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.42	95	167882	43.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	141595	29.507	ug/l	100
3) Chloromethane	1.10	50	159848	42.534	ug/l	100
4) Vinyl Chloride	1.14	62	147192	45.062	ug/l	100
5) Bromomethane	1.32	94	108273	44.595	ug/l	100
6) Chloroethane	1.40	64	73781	48.499	ug/l	100
7) Trichlorofluoromethane	1.49	101	177278	30.912	ug/l	100
8) Diethyl Ether	1.63	74	45992	51.219	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	126360	40.811	ug/l	100
10) Methyl Iodide	1.91	142	195778	38.326	ug/l	100
11) Tert butyl alcohol	2.58	59	28278	196.121	ug/l	100
12) 1,1-Dichloroethene	1.80	96	113365	44.813	ug/l	100
13) Acrolein	2.01	56	37678	235.780	ug/l	100
14) Allyl chloride	2.10	41	145109	39.466	ug/l	100
15) Acrylonitrile	2.96	53	99198	250.101	ug/l	100
16) Acetone	2.25	43	108934	212.910	ug/l	100
17) Carbon Disulfide	1.83	76	361186	46.853	ug/l	100
18) Methyl Acetate	2.35	43	42843	39.187	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	196436	38.138	ug/l	100
20) Methylene Chloride	2.19	84	41258	13.730	ug/l	100
21) trans-1,2-Dichloroethene	2.31	96	123923	47.423	ug/l	100
22) Diisopropyl ether	2.81	45	335278	39.830	ug/l	100
23) Vinyl Acetate	3.20	43	816568	197.921	ug/l	100
24) 1,1-Dichloroethane	2.88	63	198415	39.021	ug/l	100
25) 2-Butanone	4.34	43	226255	217.179	ug/l	100
26) 2,2-Dichloropropane	3.62	77	85939	34.687	ug/l	100
27) cis-1,2-Dichloroethene	3.49	96	161655	43.539	ug/l	100
28) Bromochloromethane	3.72	49	106088	41.967	ug/l	100
29) Tetrahydrofuran	4.09	42	101199	207.378	ug/l	100
30) Chloroform	3.87	83	236724	34.377	ug/l	100
31) Cyclohexane	3.70	56	131075	25.964	ug/l	100
32) 1,1,1-Trichloroethane	4.10	97	135730	29.211	ug/l	100
36) 1,1-Dichloropropene	4.30	75	191213	41.790	ug/l	100
37) Ethyl Acetate	4.13	43	84500	42.005	ug/l	100
38) Carbon Tetrachloride	4.00	117	131225	35.066	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	232505	50.035	ug/l	100
40) Benzene	4.64	78	509962	49.734	ug/l	100
41) Methacrylonitrile	4.76	41	46157	45.783	ug/l	100
42) 1,2-Dichloroethane	4.96	62	125024	35.240	ug/l	100
43) Isopropyl Acetate	6.97	43	101181	44.305	ug/l	100
44) Trichloroethene	5.51	130	161592	51.596	ug/l	100
45) 1,2-Dichloropropane	6.25	63	126234	47.724	ug/l	100
46) Dibromomethane	6.10	93	79934	46.263	ug/l	100
47) Bromodichloromethane	6.40	83	172796	39.638	ug/l	100
48) Methyl methacrylate	6.72	41	64875	42.522	ug/l	100
49) 1,4-Dioxane	6.71	88	12734	1188.998	ug/l	100
51) 4-Methyl-2-Pentanone	8.27	43	382030	222.407	ug/l	100
52) Toluene	7.63	92	294154	45.944	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	137679	40.811	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	184065	43.050	ug/l	100
55) 1,1,2-Trichloroethane	8.50	97	93825	47.370	ug/l	100
56) Ethyl methacrylate	8.63	69	99301	45.222	ug/l	100
57) 1,3-Dichloropropane	8.86	76	151913	44.059	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	85301	230.291	ug/l	100
59) 2-Hexanone	9.50	43	263504	226.483	ug/l	100
60) Dibromochloromethane	8.72	129	130490	47.420	ug/l	100
61) 1,2-Dibromoethane	9.00	107	99319	48.080	ug/l	100
64) Tetrachloroethene	8.16	164	142612	51.672	ug/l	100
65) Chlorobenzene	9.81	112	349721	49.294	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	138278	47.257	ug/l	100
67) Ethyl Benzene	9.91	91	569146	44.063	ug/l	100
68) m/p-Xylenes	10.14	106	437637	97.660	ug/l	100
69) o-Xylene	10.73	106	243881	49.348	ug/l	100
70) Styrene	10.79	104	331441	48.431	ug/l	100
71) Bromoform	10.78	173	76947	55.559	ug/l	100
73) Isopropylbenzene	11.13	105	670882	44.485	ug/l	100
74) N-amyl acetate	11.38	43	164675	43.367	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.70	83	120778	42.905	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	82107	41.053	ug/l	100
77) Bromobenzene	11.50	156	160645	48.417	ug/l	100
78) n-propylbenzene	11.60	91	758912	41.894	ug/l	100
79) 2-Chlorotoluene	11.73	91	440142	42.670	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	540693	43.460	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.88	75	48709	58.262	ug/l	100
82) 4-Chlorotoluene	11.91	91	441526	41.202	ug/l	100
83) tert-Butylbenzene	12.14	119	617832	48.300	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	521498	42.700	ug/l	100
85) sec-Butylbenzene	12.31	105	779819	45.616	ug/l	100
86) p-Isopropyltoluene	12.46	119	641569	45.884	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	312132	48.403	ug/l	100
88) 1,4-Dichlorobenzene	12.57	146	302702	49.340	ug/l	100
89) n-Butylbenzene	12.85	91	608359	42.960	ug/l	100
90) Hexachloroethane	12.92	117	157279	44.349	ug/l	100
91) 1,2-Dichlorobenzene	12.94	146	301751	50.237	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20293	41.578	ug/l	100

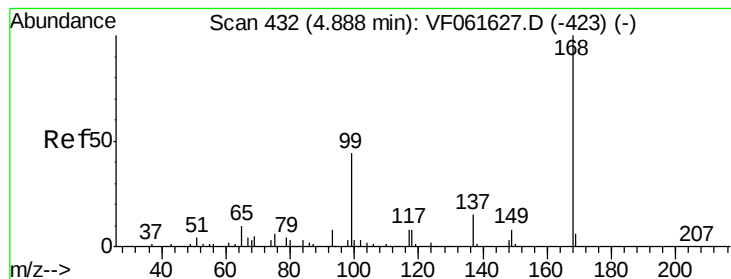
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	216801	51.404	ug/l	100
94) Hexachlorobutadiene	14.20	225	136432	52.435	ug/l	100
95) Naphthalene	14.46	128	397979	49.913	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	207925	54.883	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

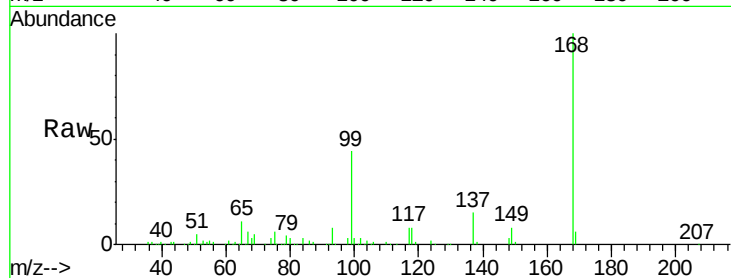
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 273476

Ion Ratio Lower Upper

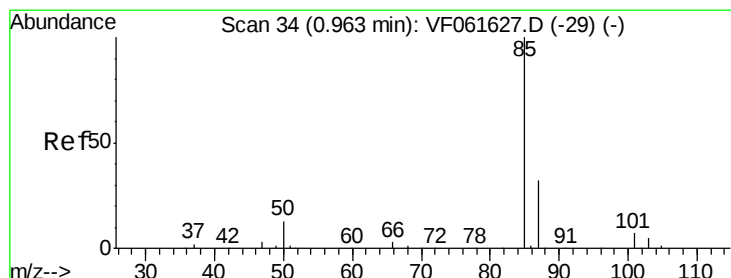
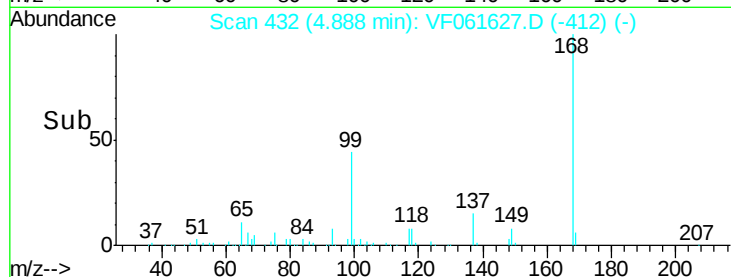
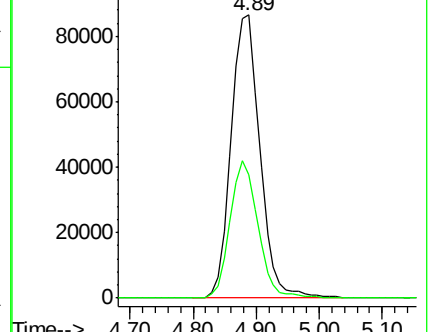
168 100

99 43.6 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 29.507 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061627.D

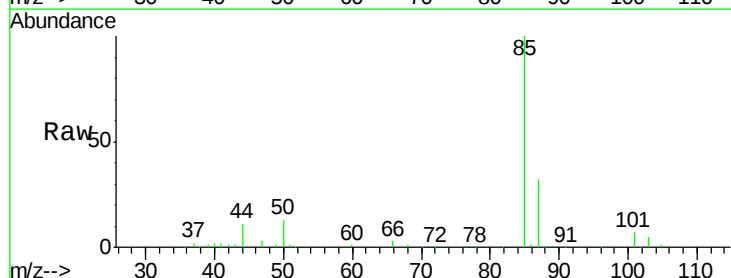
Acq: 13 Feb 2019 17:34

Tgt Ion: 85 Resp: 141595

Ion Ratio Lower Upper

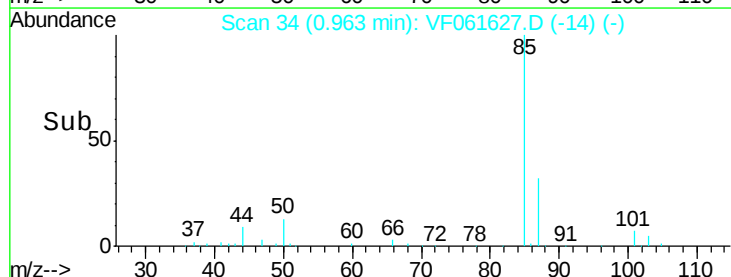
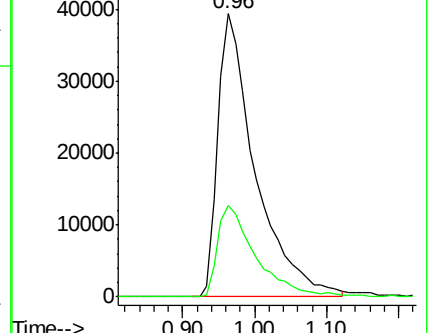
85 100

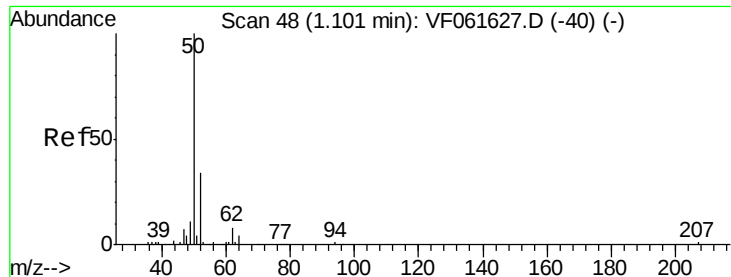
87 32.1 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 42.534 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

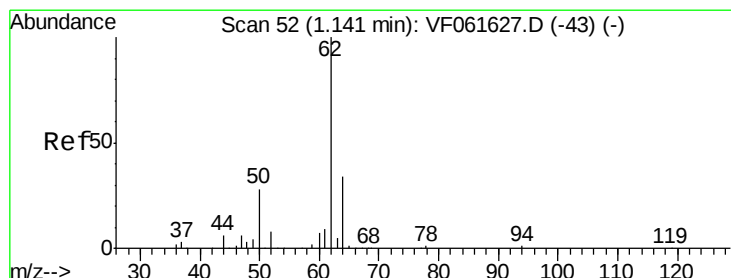
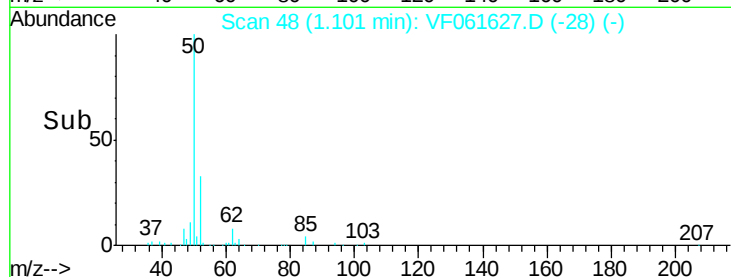
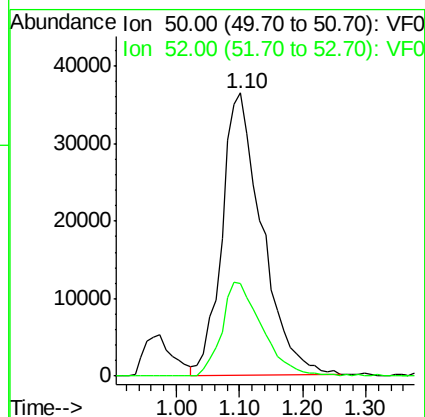
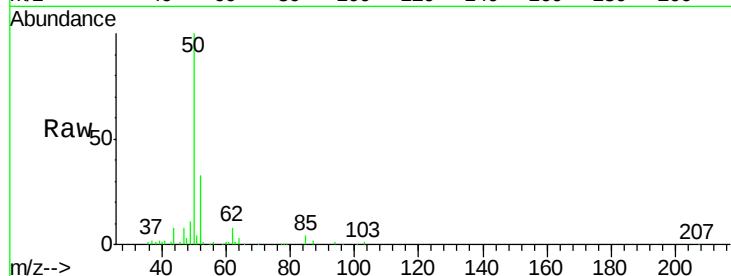
VSTDICCC050

Tgt Ion: 50 Resp: 159848

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4



#4

Vinyl Chloride

Concen: 45.062 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061627.D

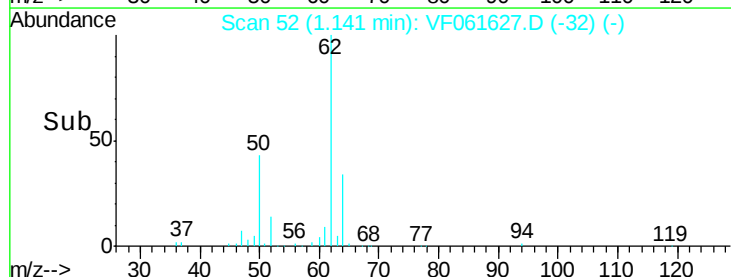
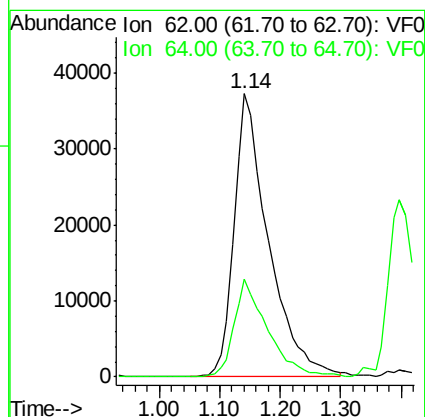
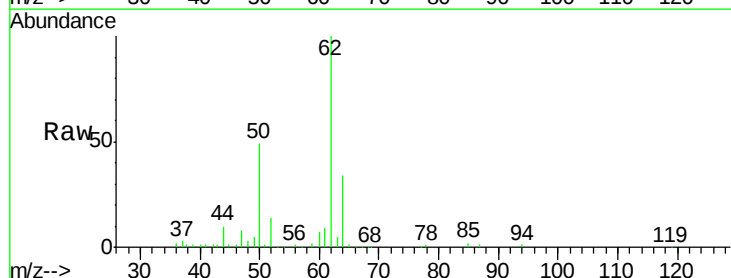
Acq: 13 Feb 2019 17:34

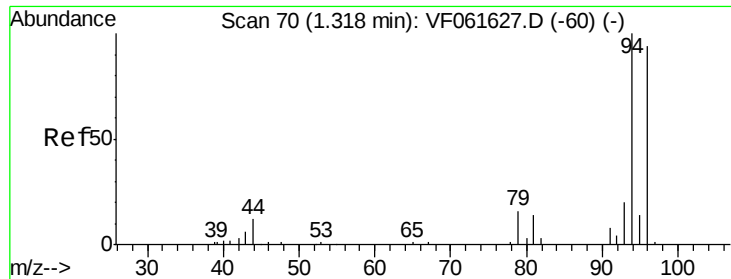
Tgt Ion: 62 Resp: 147192

Ion Ratio Lower Upper

62 100

64 34.4 27.5 41.3

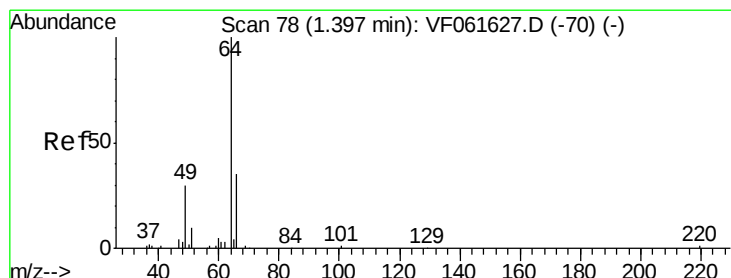
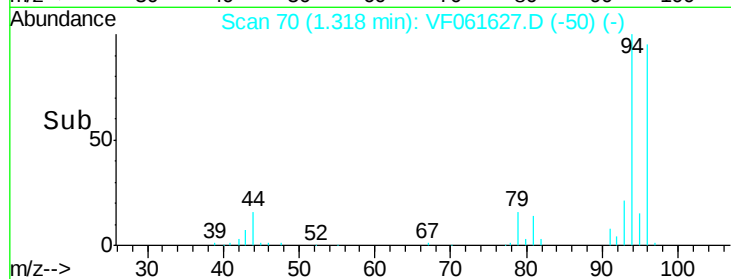
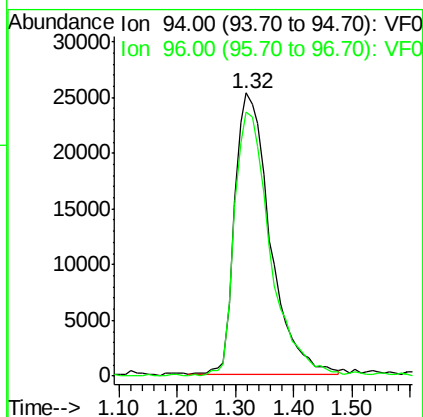
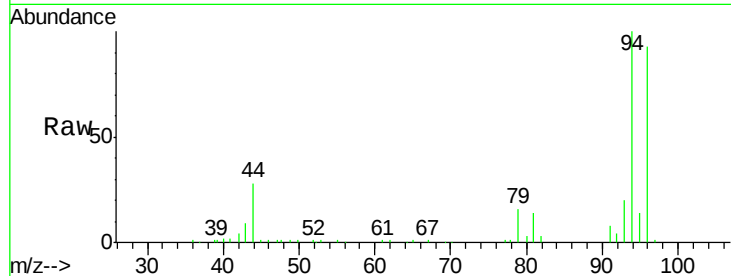




#5
Bromomethane
Concen: 44.595 ug/l
RT: 1.32 min Scan# 70
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

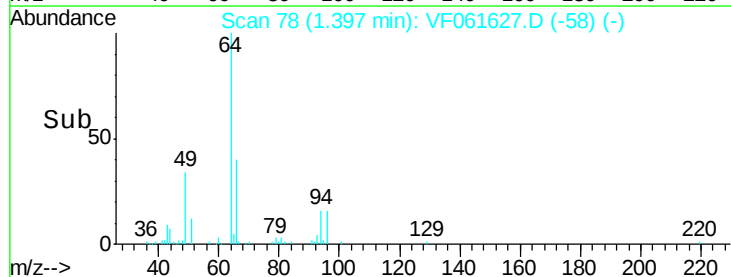
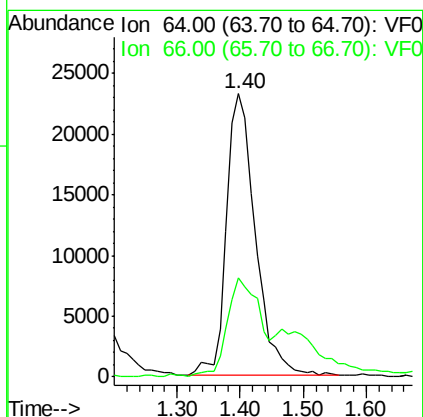
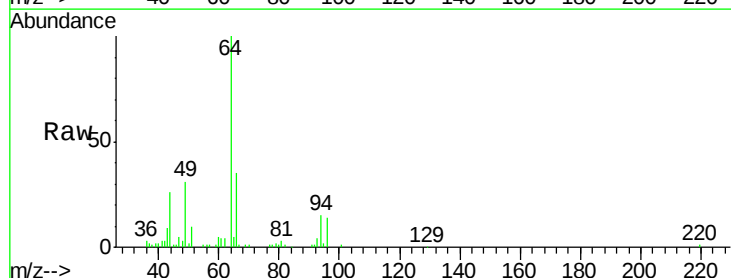
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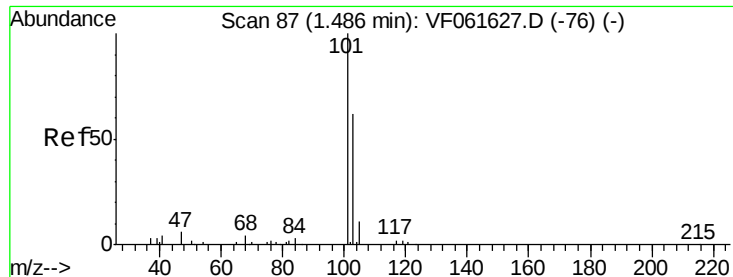
Tgt Ion: 94 Resp: 108273
Ion Ratio Lower Upper
94 100
96 93.3 74.6 112.0



#6
Chloroethane
Concen: 48.499 ug/l
RT: 1.40 min Scan# 78
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 64 Resp: 73781
Ion Ratio Lower Upper
64 100
66 34.9 27.9 41.9



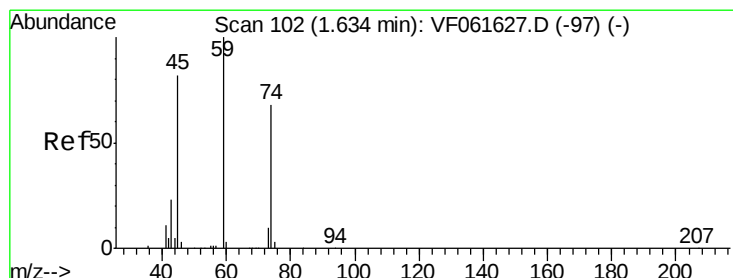
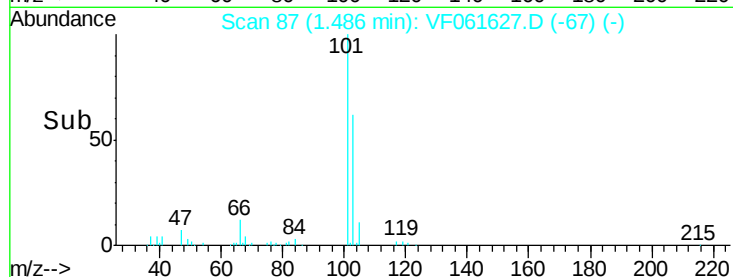
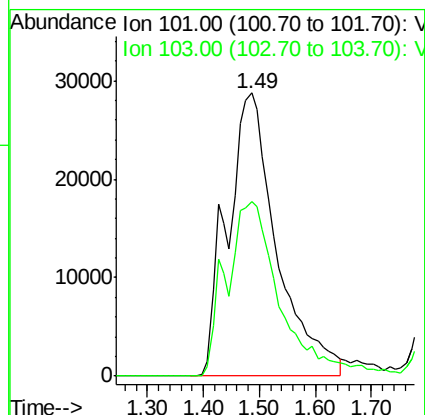
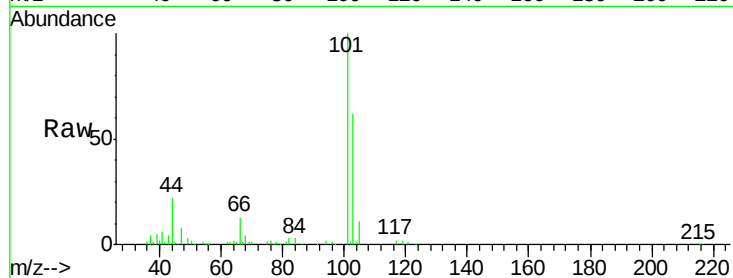


#7

Trichlorofluoromethane
 Concen: 30.912 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

Instrument :
 MSVOA_F
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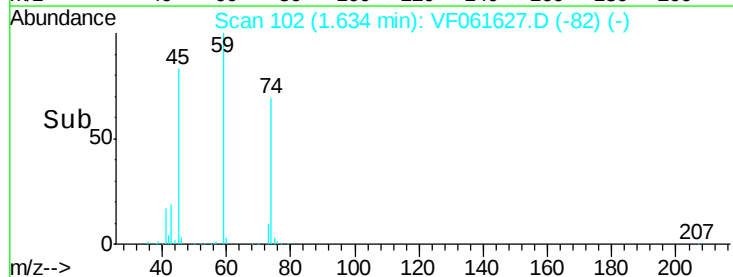
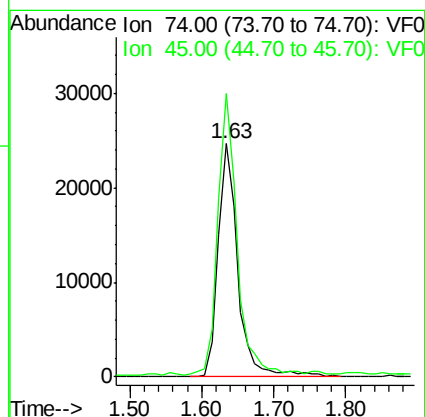
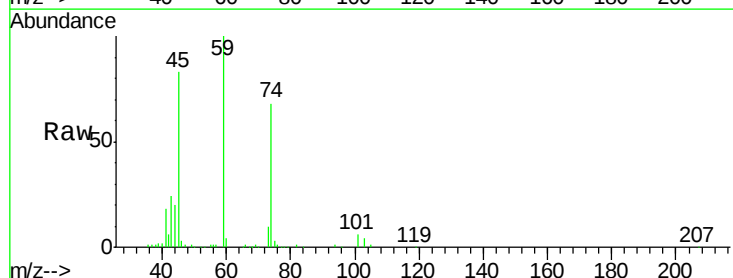
Tgt Ion:101 Resp: 177278
 Ion Ratio Lower Upper
 101 100
 103 61.6 49.3 73.9

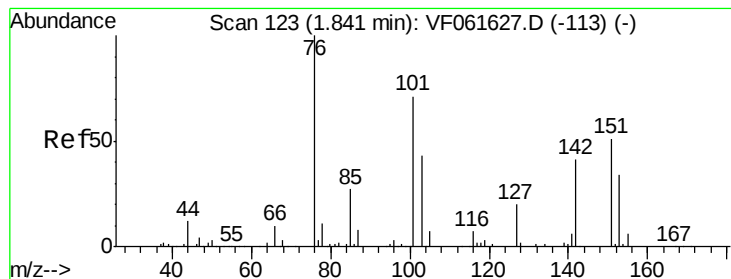


#8

Diethyl Ether
 Concen: 51.219 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

Tgt Ion: 74 Resp: 45992
 Ion Ratio Lower Upper
 74 100
 45 121.5 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.811 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

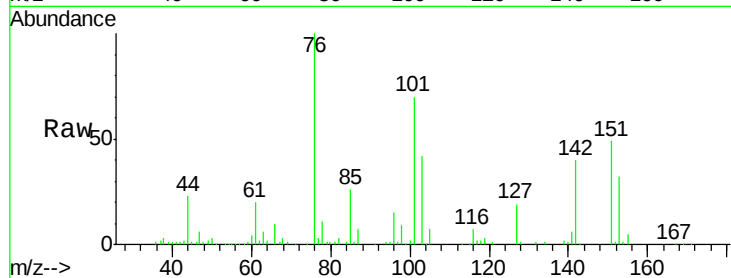
Tgt Ion:101 Resp: 126360

Ion Ratio Lower Upper

101 100

85 37.2 29.8 44.6

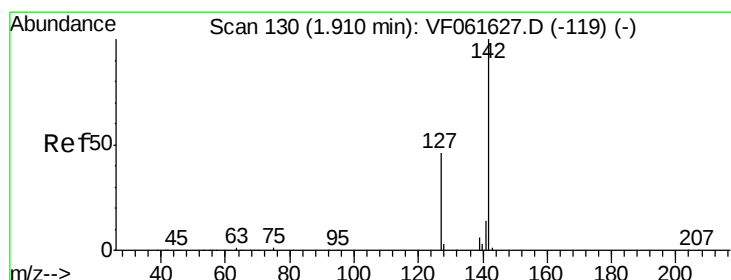
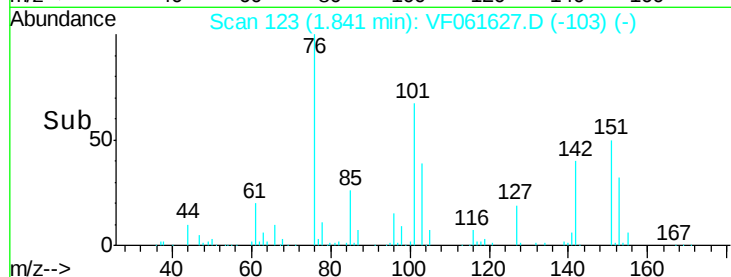
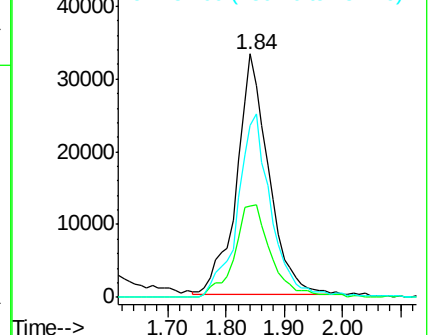
151 70.4 56.3 84.5



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: 38.326 ug/l

RT: 1.91 min Scan# 130

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

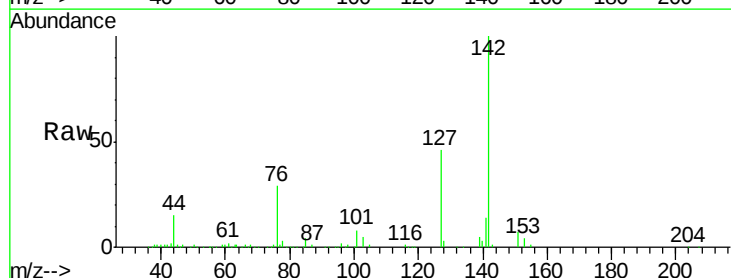
Tgt Ion:142 Resp: 195778

Ion Ratio Lower Upper

142 100

127 45.8 36.6 55.0

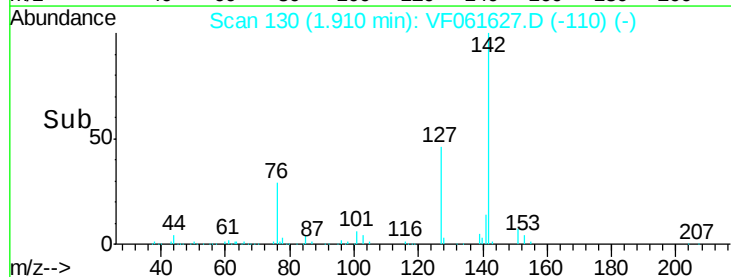
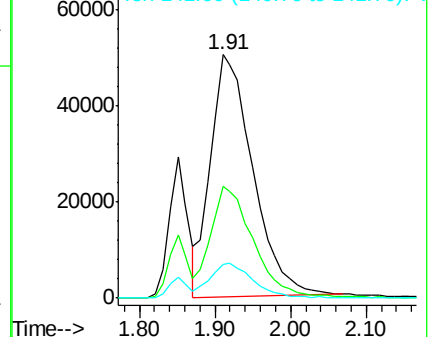
141 13.8 11.0 16.6

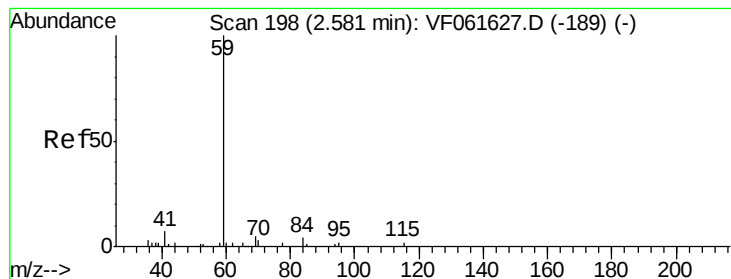


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



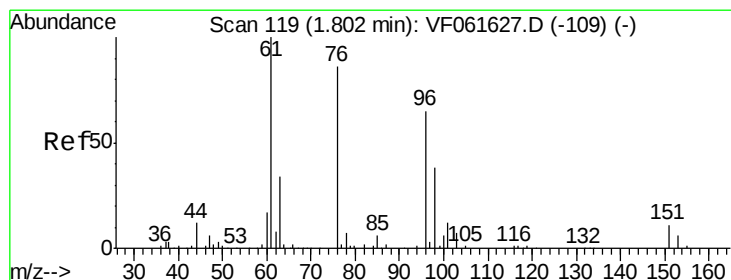
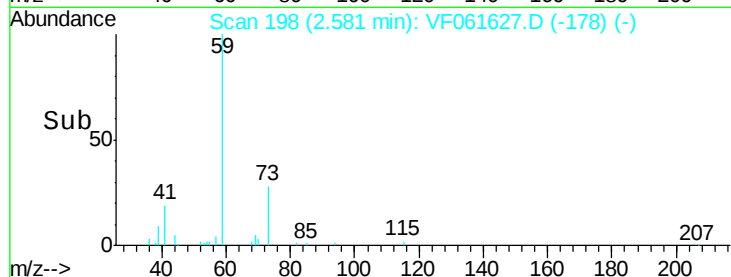
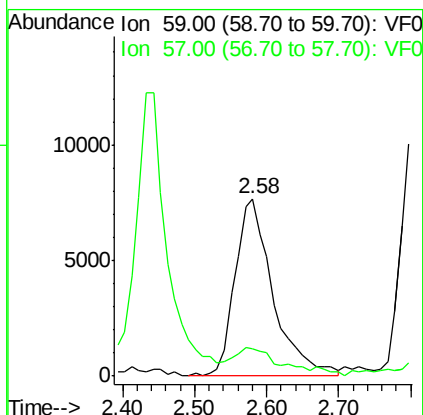
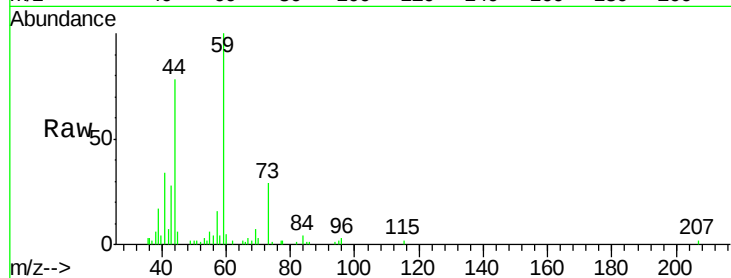


#11

Tert butyl alcohol
Concen: 196.121 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

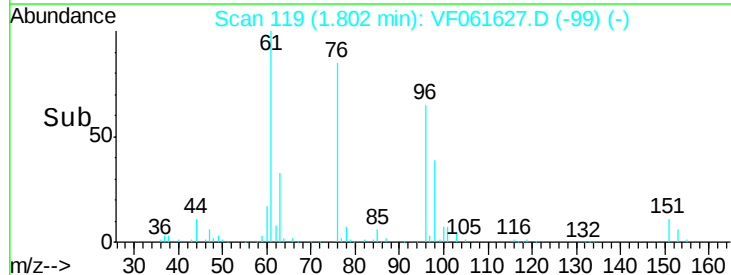
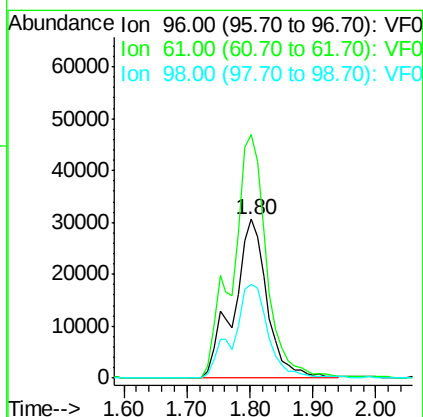
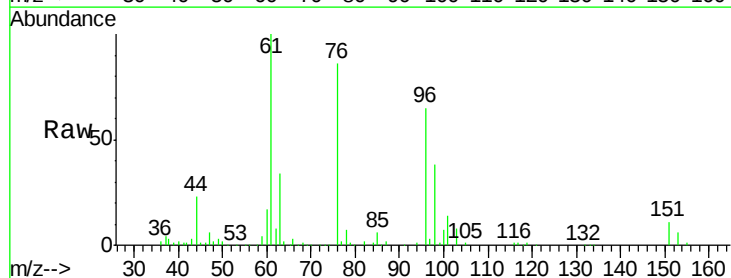
Tgt Ion: 59 Resp: 28278
Ion Ratio Lower Upper
59 100
57 15.6 12.5 18.7

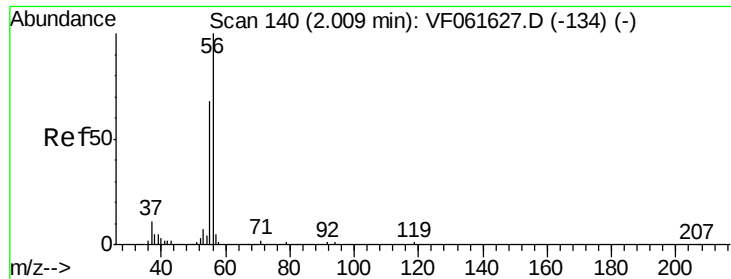


#12

1,1-Dichloroethene
Concen: 44.813 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 96 Resp: 113365
Ion Ratio Lower Upper
96 100
61 153.3 122.6 184.0
98 59.0 47.2 70.8

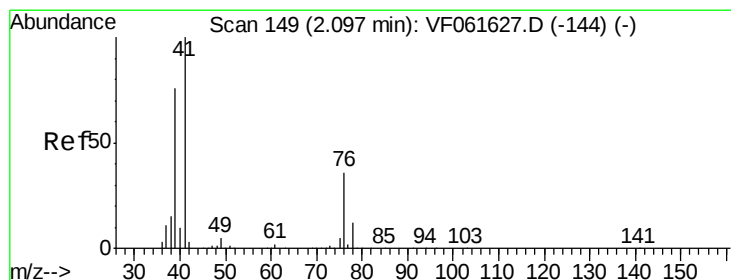
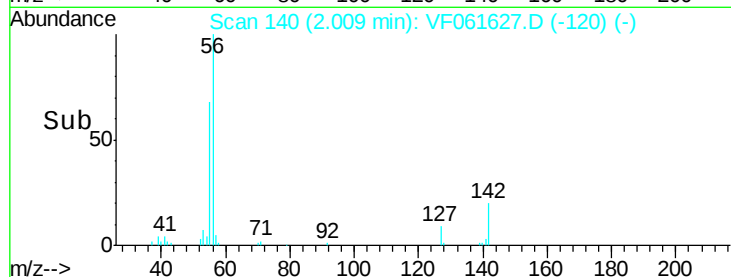
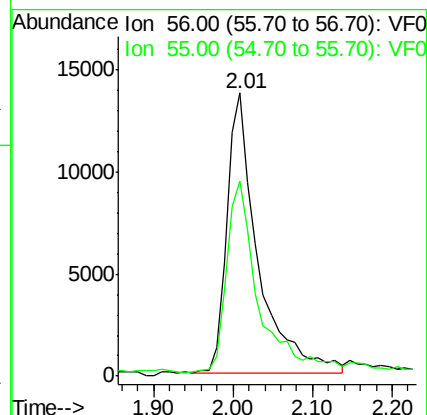
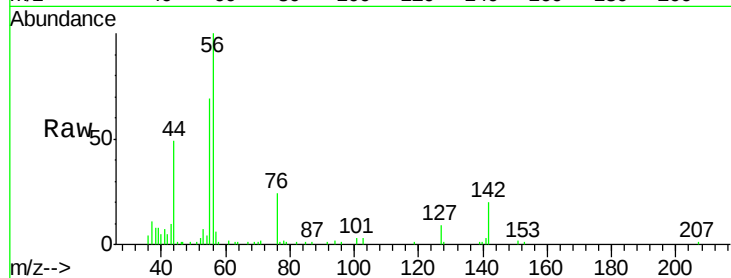




#13
Acrolein
Concen: 235.780 ug/l
RT: 2.01 min Scan# 140
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

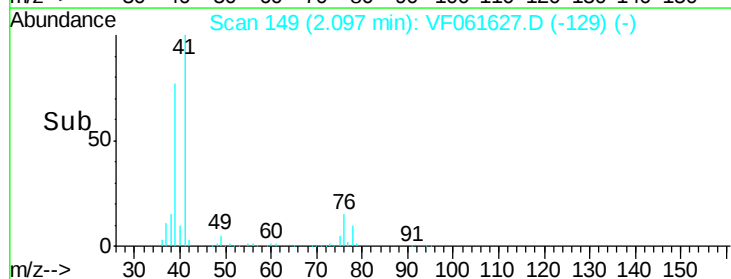
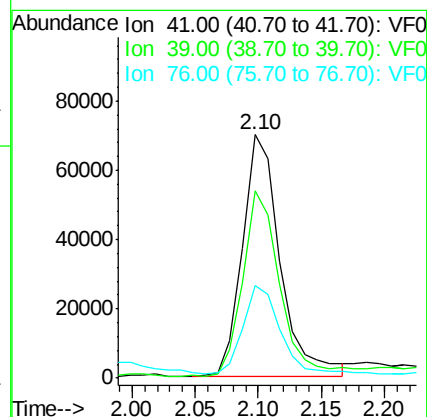
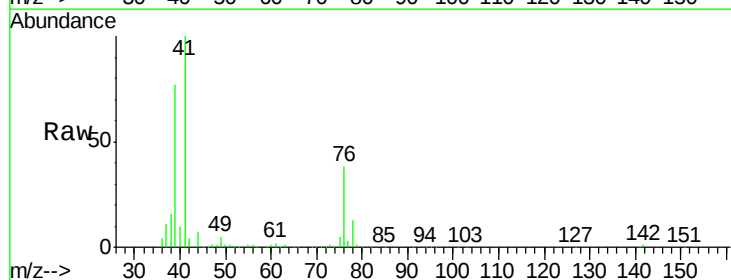
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

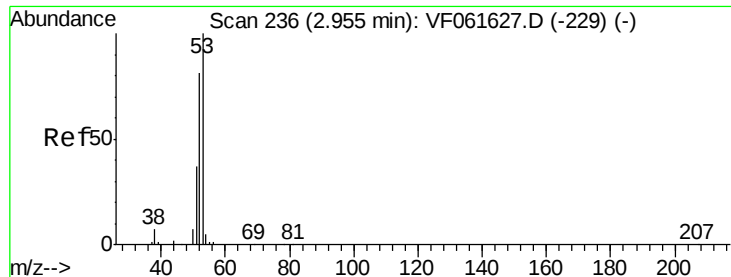
Tgt Ion: 56 Resp: 37678
Ion Ratio Lower Upper
56 100
55 68.8 55.0 82.6



#14
Allyl chloride
Concen: 39.466 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 41 Resp: 145109
Ion Ratio Lower Upper
41 100
39 77.0 61.6 92.4
76 37.9 30.3 45.5





#15

Acrylonitrile

Concen: 250.101 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

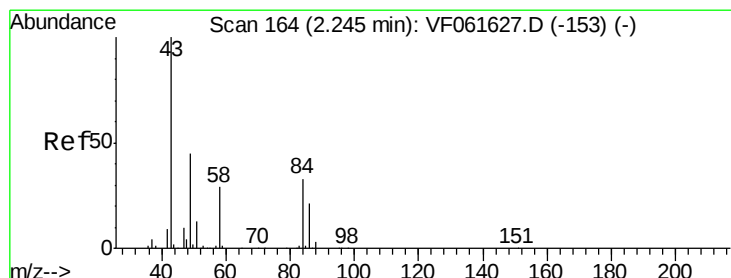
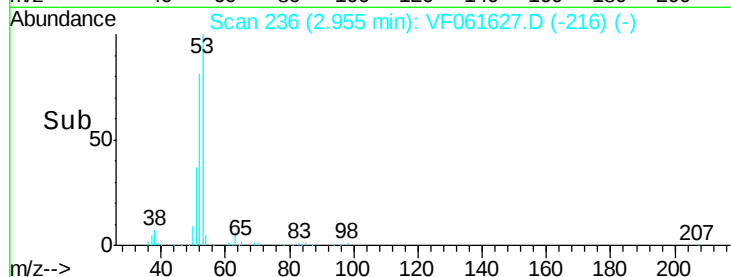
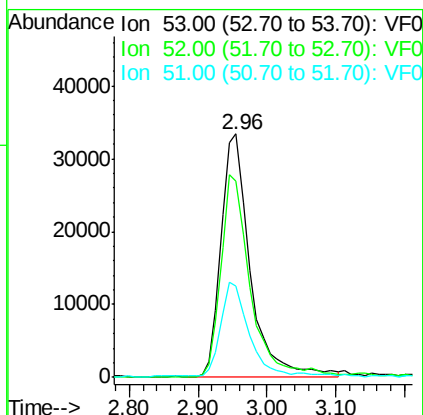
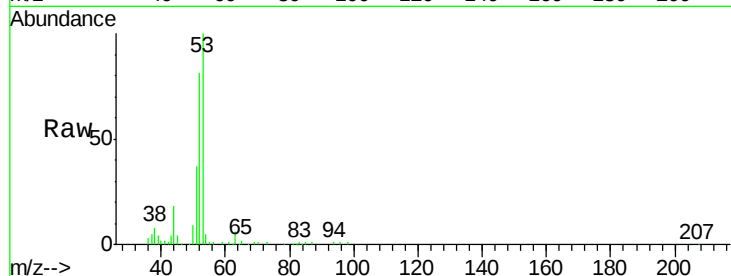
Tgt Ion: 53 Resp: 99198

Ion Ratio Lower Upper

53 100

52 80.8 64.6 97.0

51 37.3 29.8 44.8



#16

Acetone

Concen: 212.910 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.00 min

Lab File: VF061627.D

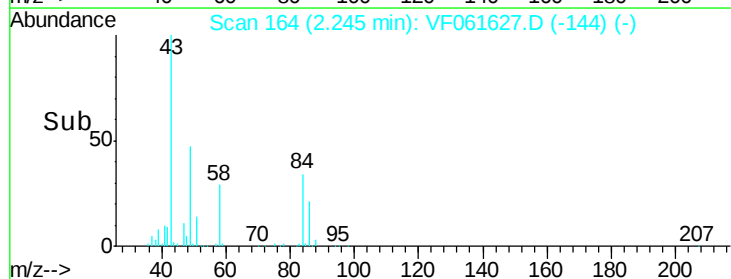
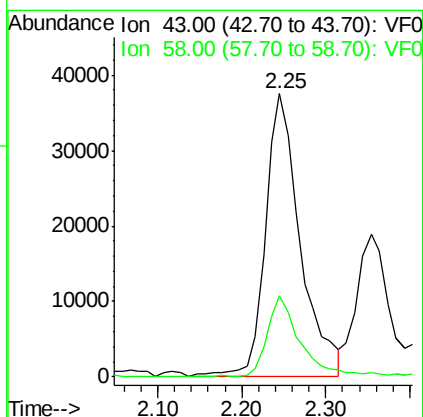
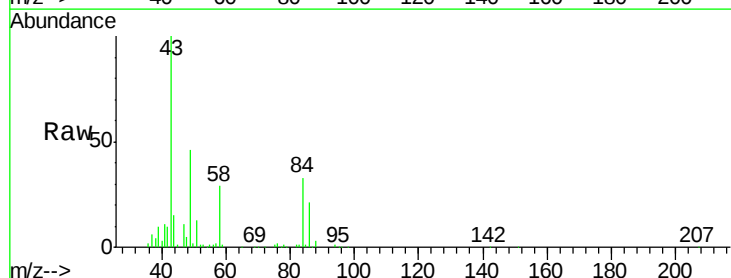
Acq: 13 Feb 2019 17:34

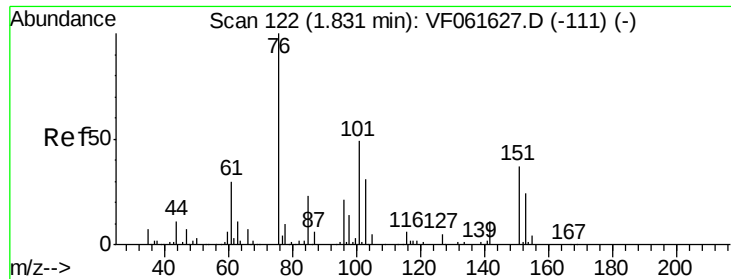
Tgt Ion: 43 Resp: 108934

Ion Ratio Lower Upper

43 100

58 28.6 22.9 34.3

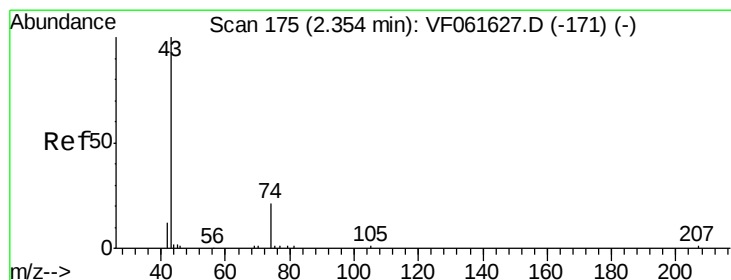
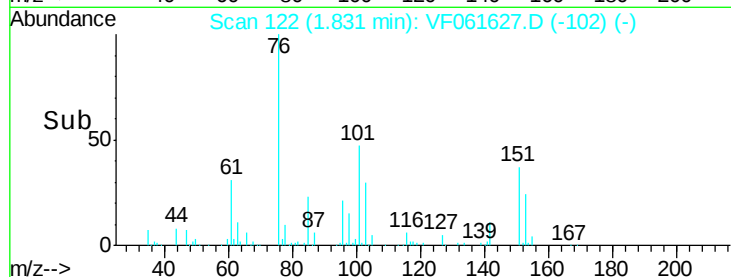
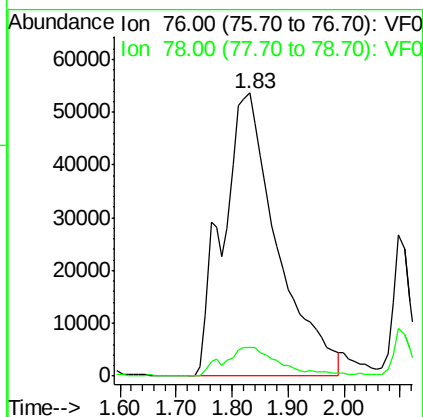
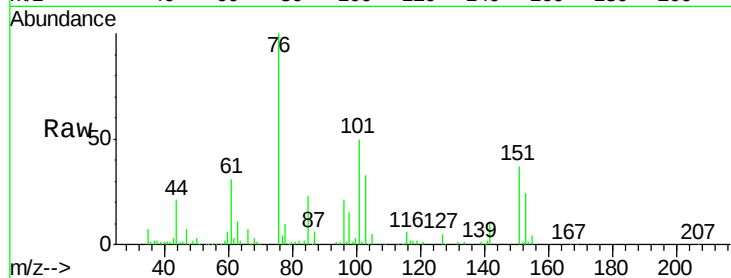




#17
Carbon Disulfide
Concen: 46.853 ug/l
RT: 1.83 min Scan# 122
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

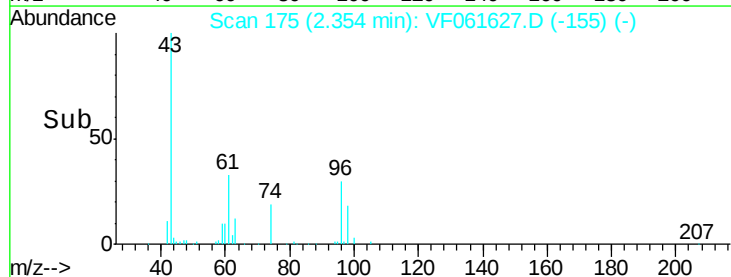
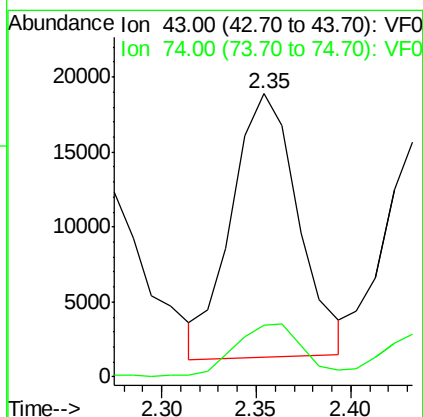
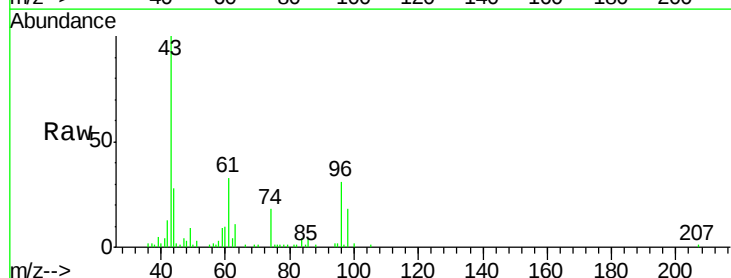
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

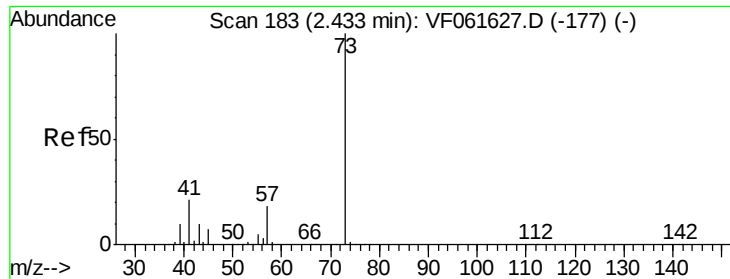
Tgt Ion: 76 Resp: 361186
Ion Ratio Lower Upper
76 100
78 9.9 7.9 11.9



#18
Methyl Acetate
Concen: 39.187 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 43 Resp: 42843
Ion Ratio Lower Upper
43 100
74 18.2 14.6 21.8



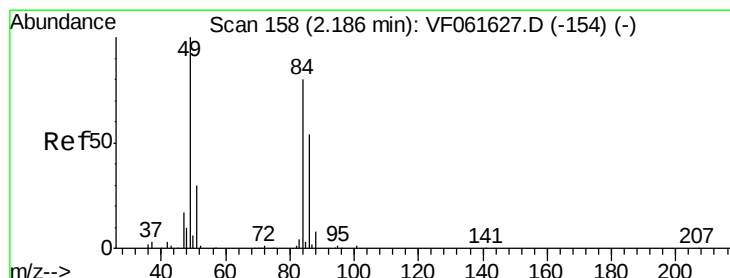
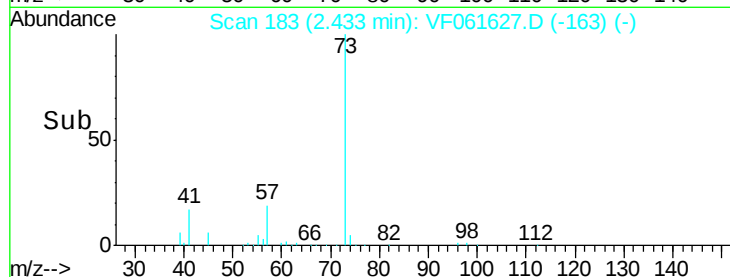
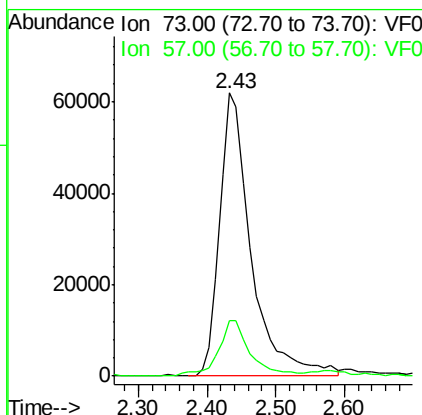
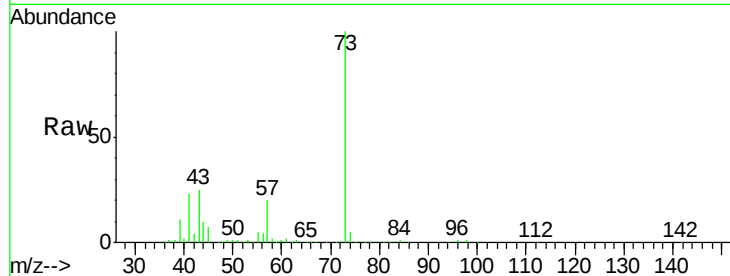


#19

Methyl tert-butyl Ether
 Concen: 38.138 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

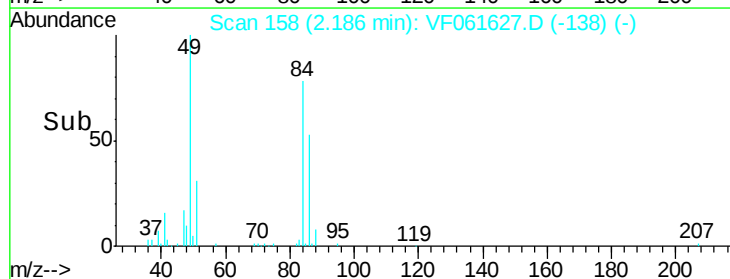
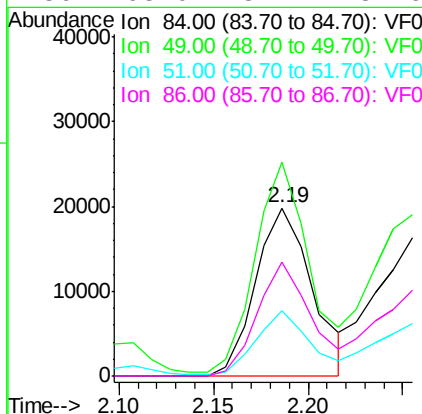
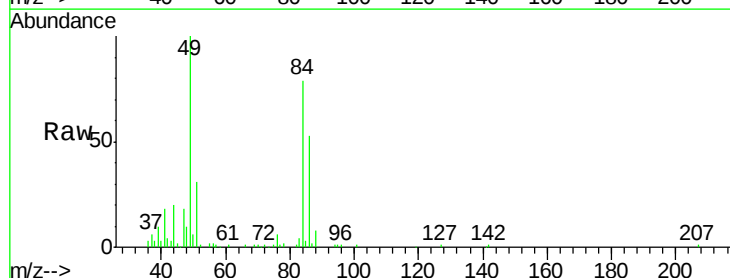
Tgt Ion: 73 Resp: 196436
 Ion Ratio Lower Upper
 73 100
 57 19.8 15.8 23.8

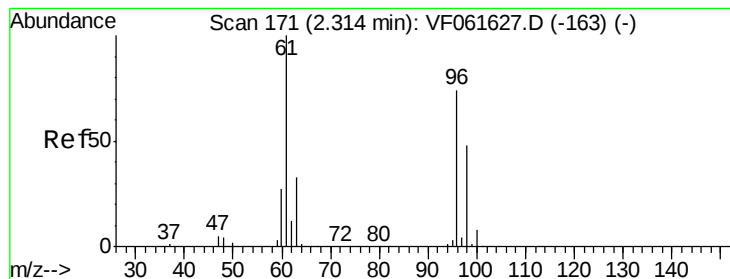


#20

Methylene Chloride
 Concen: 13.730 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

Tgt Ion: 84 Resp: 41258
 Ion Ratio Lower Upper
 84 100
 49 127.3 101.8 152.8
 51 38.9 31.1 46.7
 86 68.0 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 47.423 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

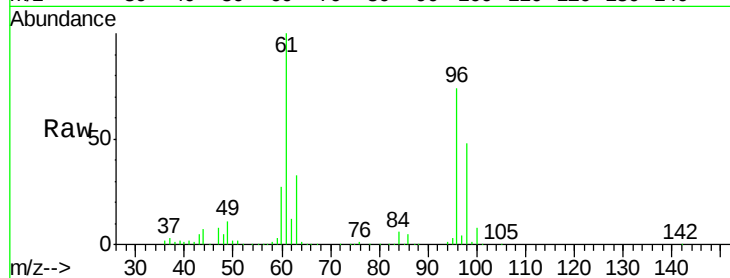
Tgt Ion: 96 Resp: 123923

Ion Ratio Lower Upper

96 100

61 135.3 108.2 162.4

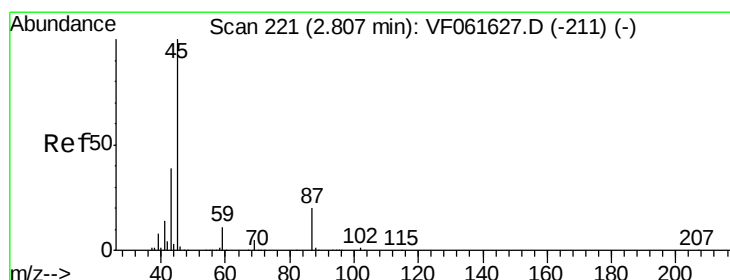
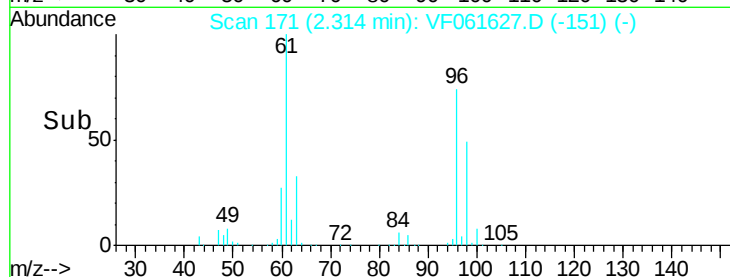
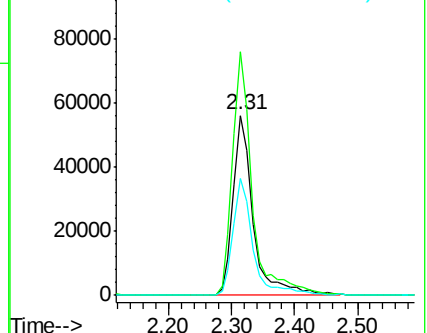
98 65.2 52.2 78.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 39.830 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Tgt Ion: 45 Resp: 335278

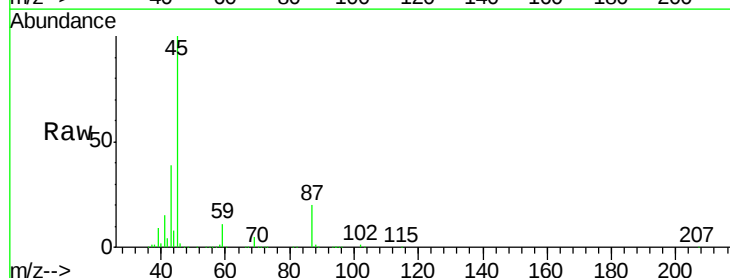
Ion Ratio Lower Upper

45 100

43 39.3 31.4 47.2

87 20.4 16.3 24.5

59 10.9 8.7 13.1

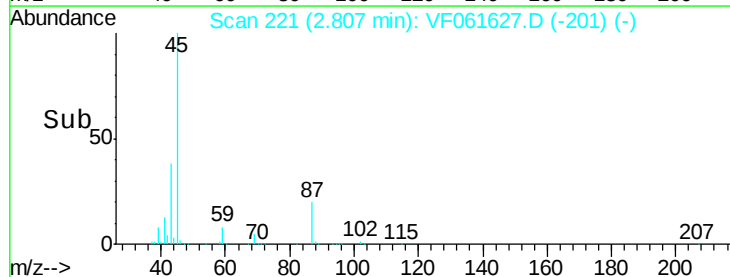
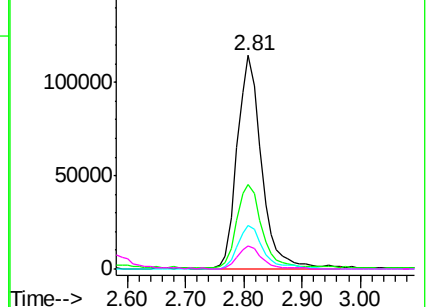


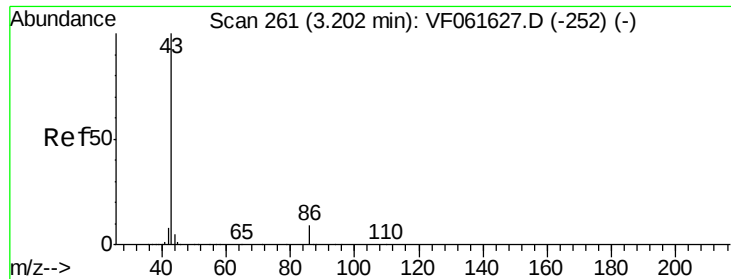
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 197.921 ug/l

RT: 3.20 min Scan# 261

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

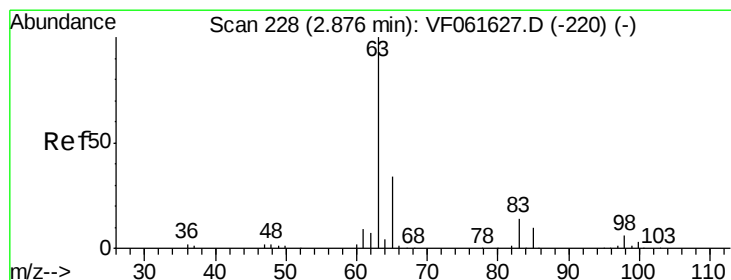
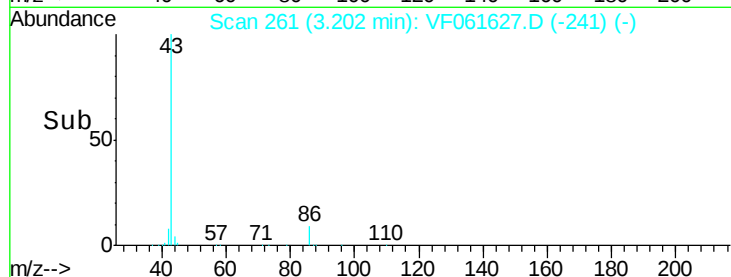
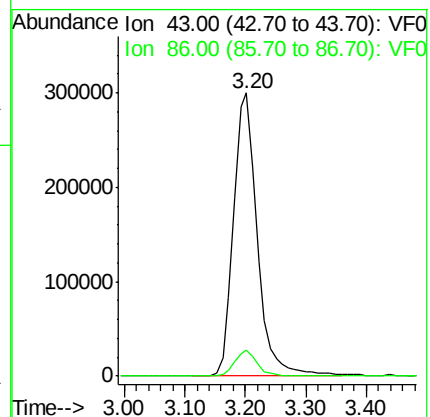
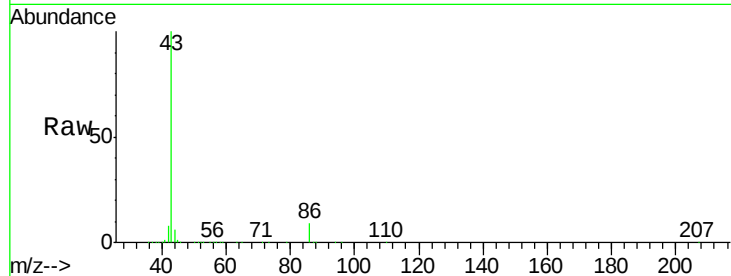
VSTDICCC050

Tgt Ion: 43 Resp: 816568

Ion Ratio Lower Upper

43 100

86 9.4 7.5 11.3



#24

1,1-Dichloroethane

Concen: 39.021 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

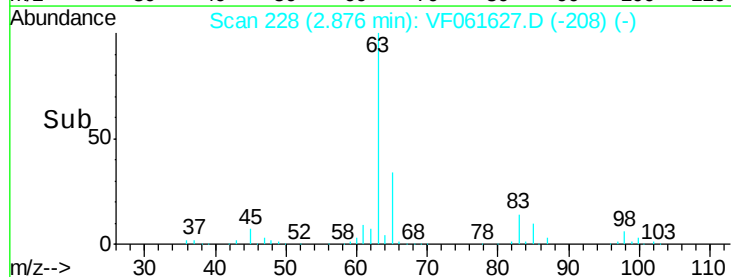
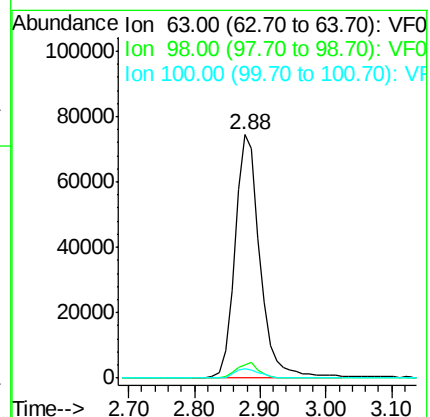
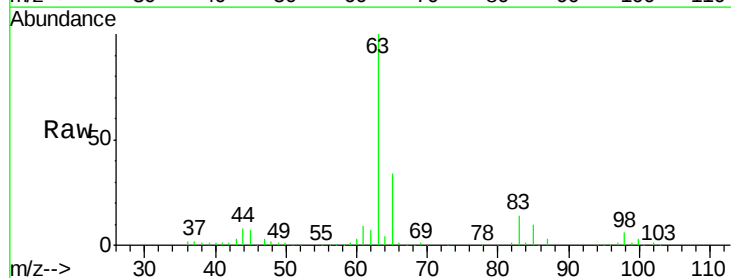
Tgt Ion: 63 Resp: 198415

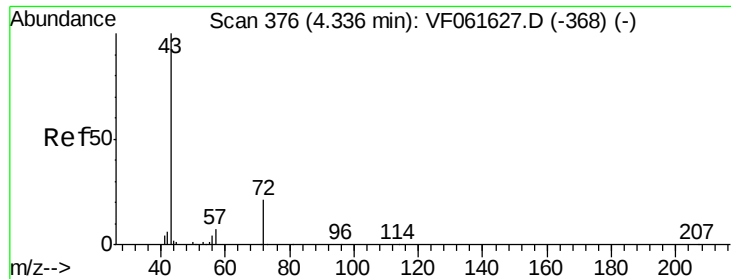
Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 3.6 1.8 5.4





#25

2-Butanone

Concen: 217.179 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

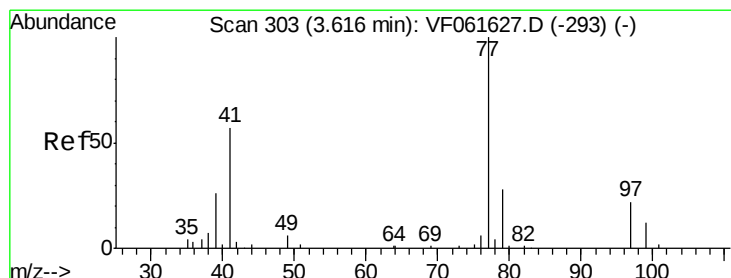
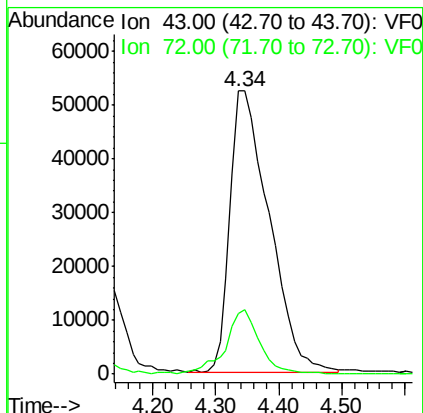
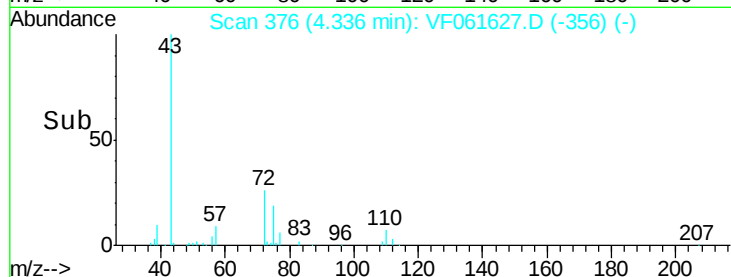
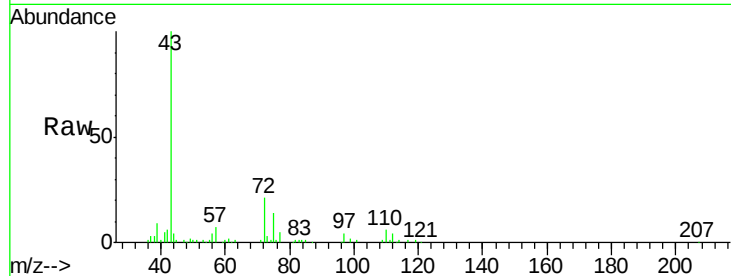
VSTDICCC050

Tgt Ion: 43 Resp: 226255

Ion Ratio Lower Upper

43 100

72 21.4 17.1 25.7



#26

2,2-Dichloropropane

Concen: 34.687 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.00 min

Lab File: VF061627.D

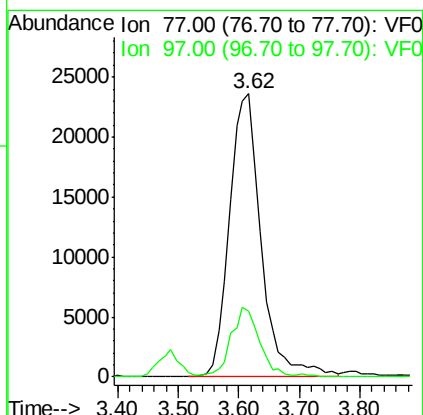
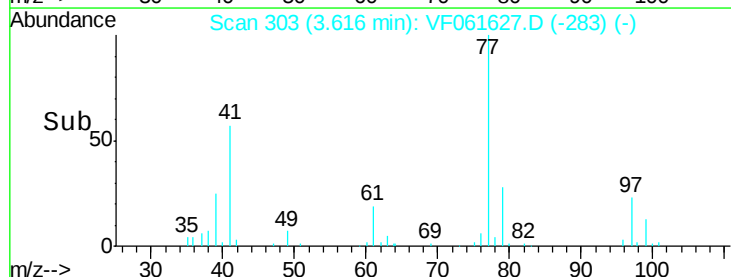
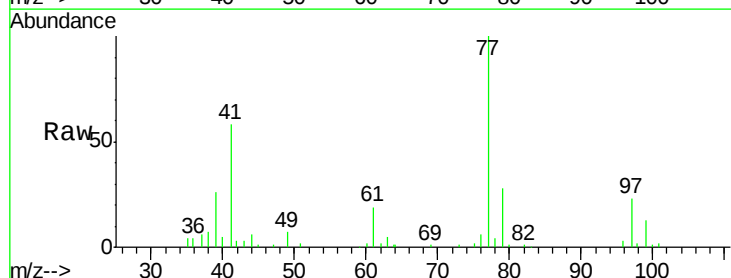
Acq: 13 Feb 2019 17:34

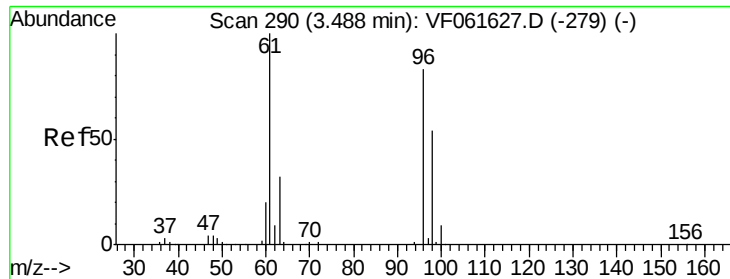
Tgt Ion: 77 Resp: 85939

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0



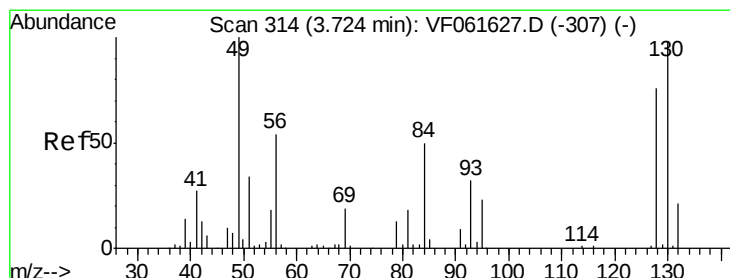
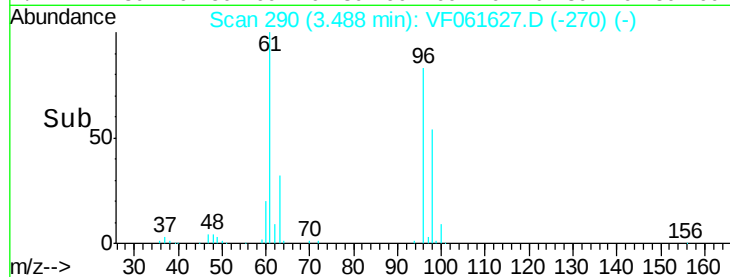
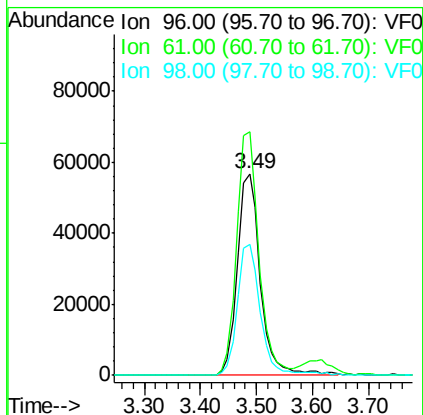
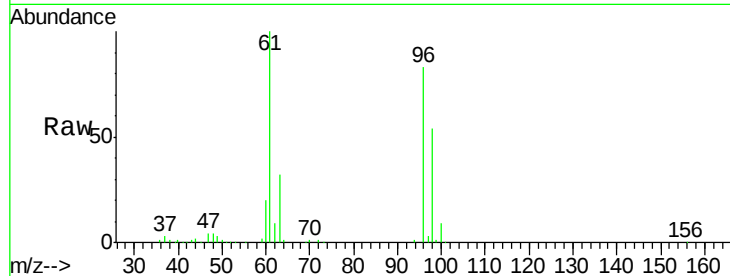


#27

cis-1,2-Dichloroethene
Concen: 43.539 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

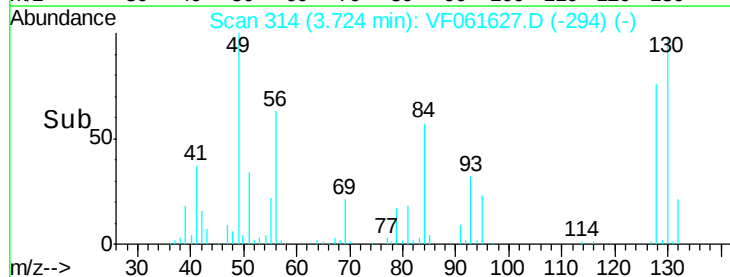
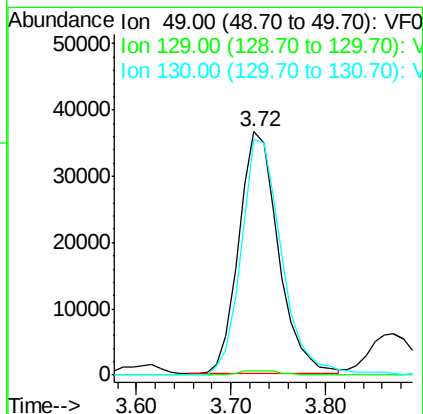
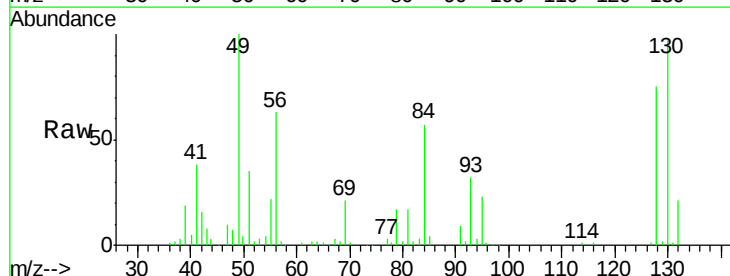
Tgt Ion: 96 Resp: 161655
Ion Ratio Lower Upper
96 100
61 120.8 0.0 241.6
98 65.1 0.0 130.2

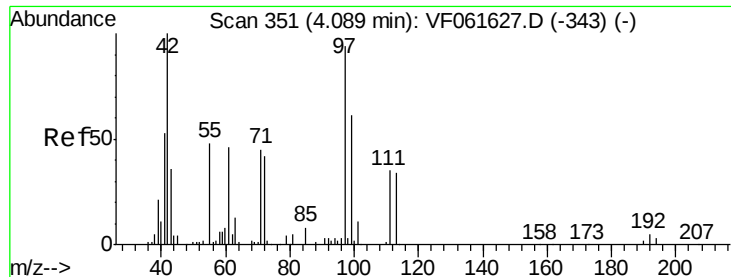


#28

Bromochloromethane
Concen: 41.967 ug/l
RT: 3.72 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 49 Resp: 106088
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.4
130 97.1 77.7 116.5

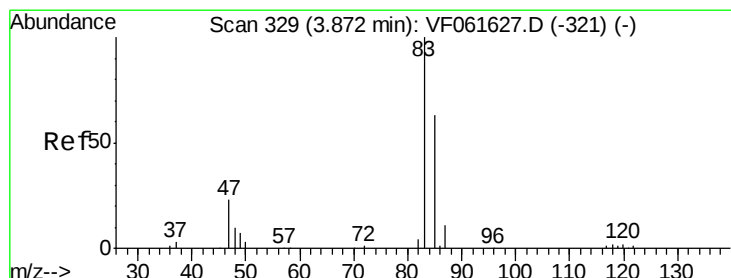
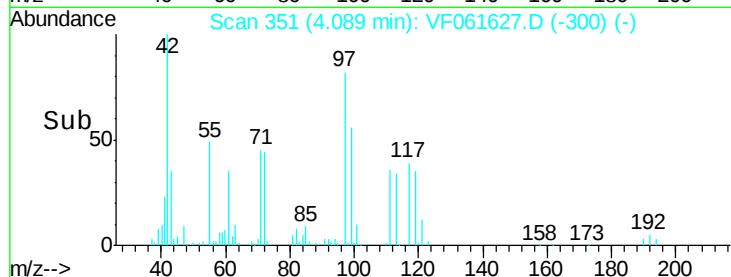
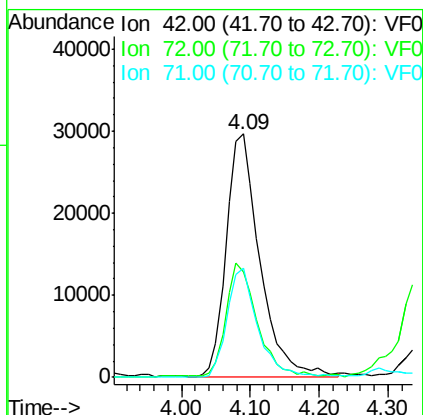
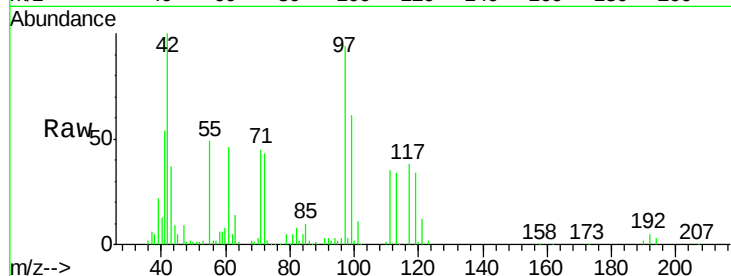




#29
Tetrahydrofuran
Concen: 207.378 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

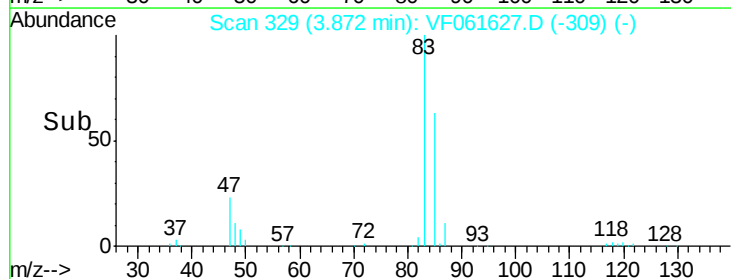
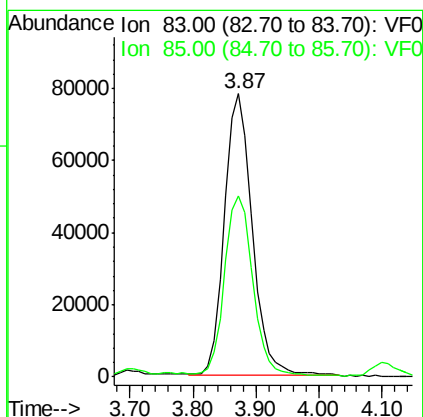
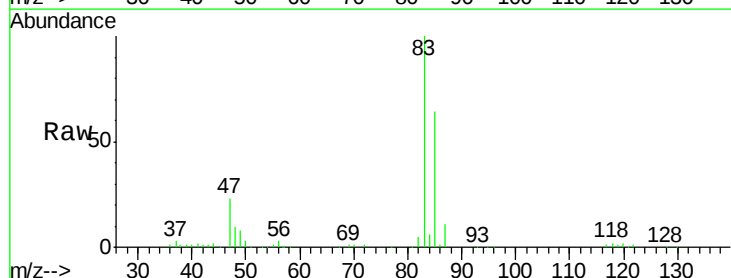
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

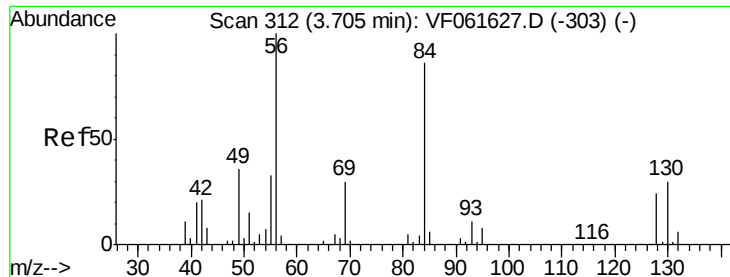
Tgt Ion: 42 Resp: 101199
Ion Ratio Lower Upper
42 100
72 44.0 35.2 52.8
71 41.1 32.9 49.3



#30
Chloroform
Concen: 34.377 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 83 Resp: 236724
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7

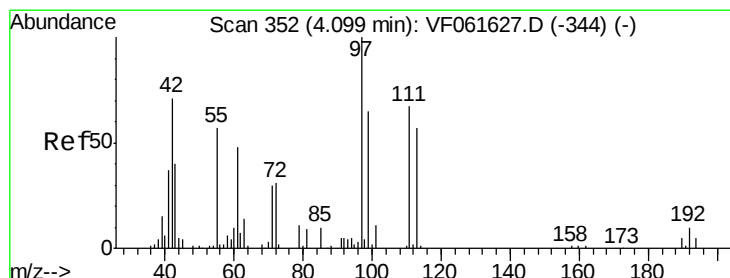
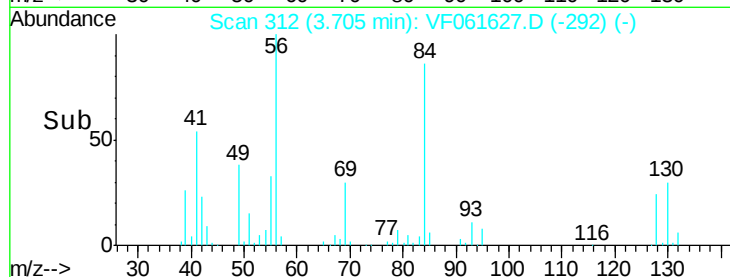
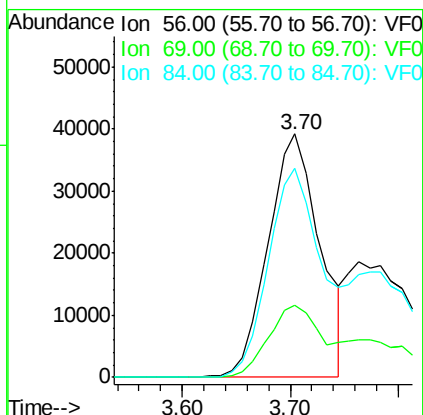
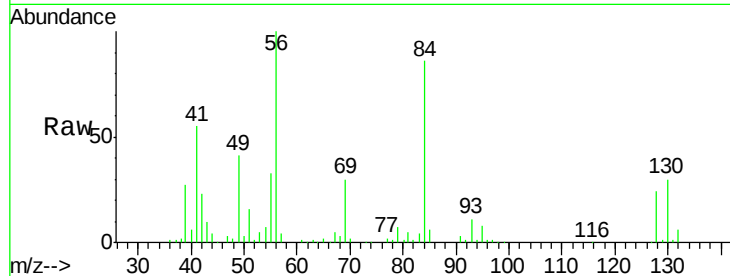




#31
Cyclohexane
Concen: 25.964 ug/l
RT: 3.70 min Scan# 312
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

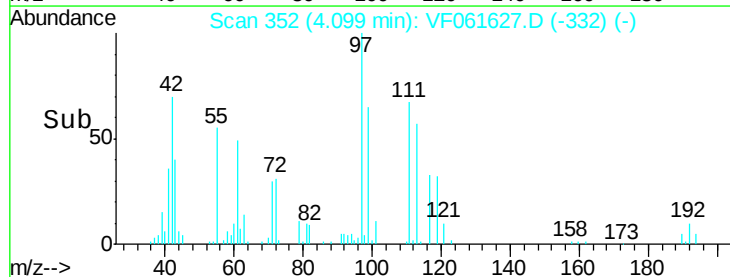
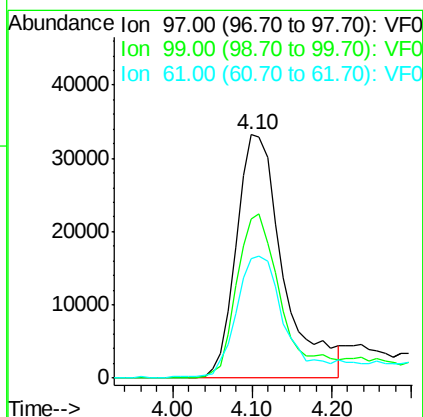
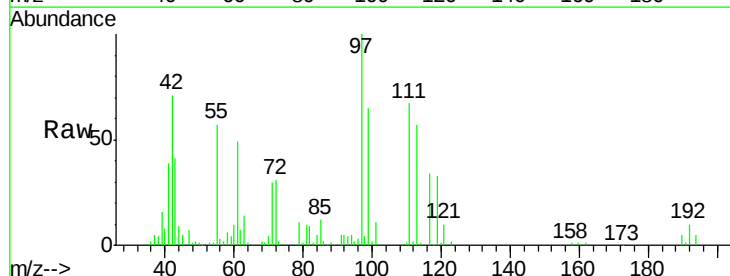
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

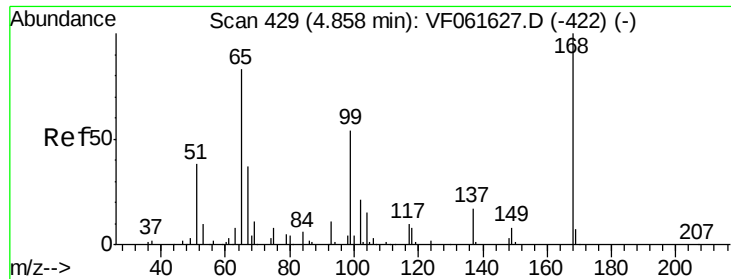
Tgt Ion: 56 Resp: 131075
Ion Ratio Lower Upper
56 100
69 29.8 23.8 35.8
84 85.8 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 29.211 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 97 Resp: 135730
Ion Ratio Lower Upper
97 100
99 65.2 52.2 78.2
61 49.0 39.2 58.8

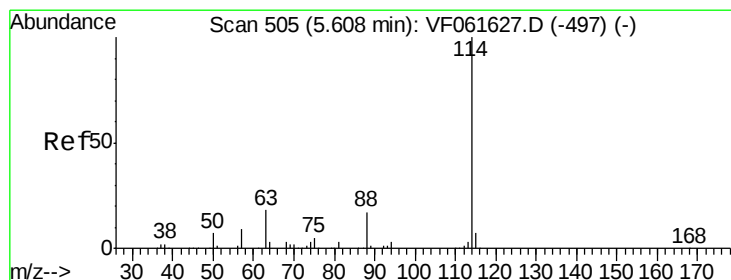
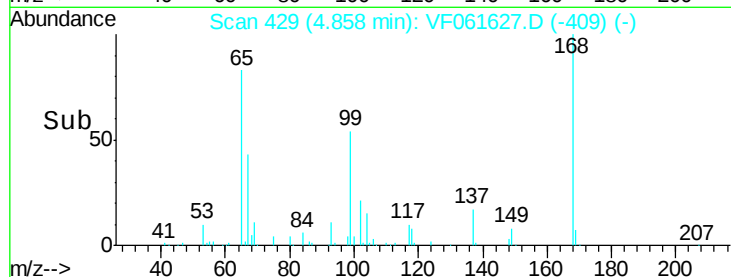
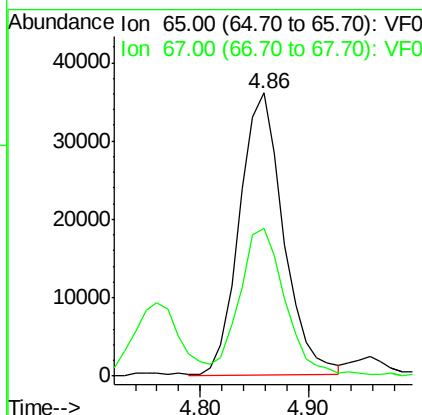
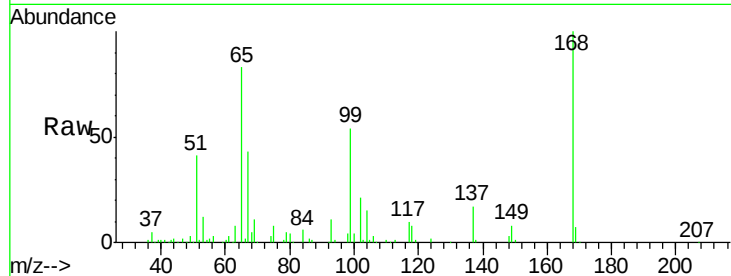




#33
 1,2-Dichloroethane-d4
 Concen: 29.962 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

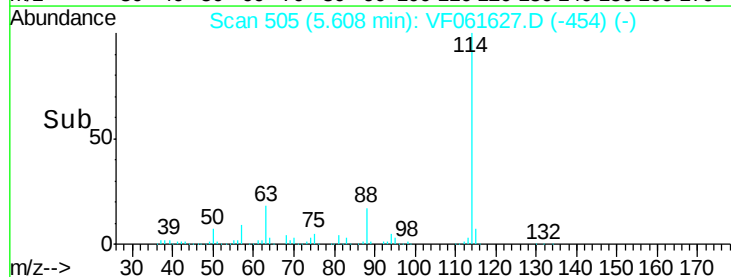
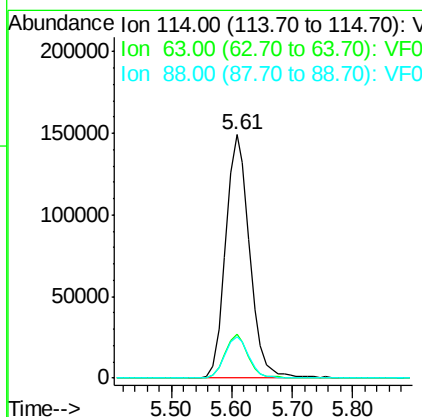
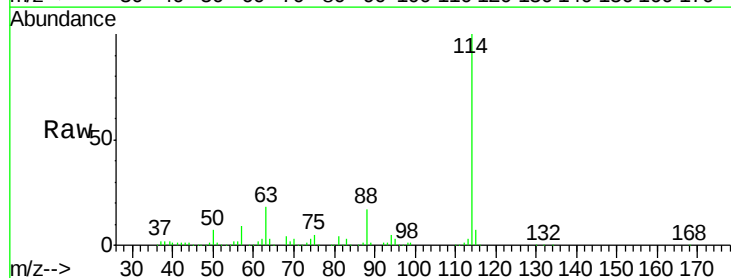
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

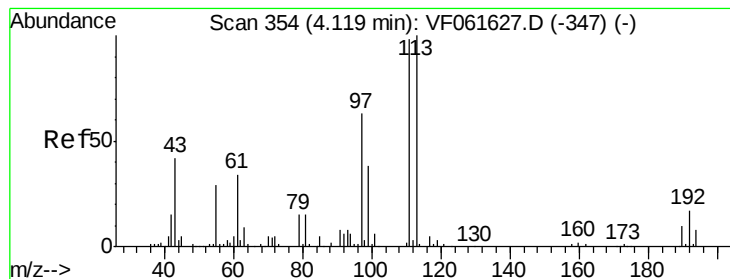
Tgt Ion: 65 Resp: 101933
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

Tgt Ion: 114 Resp: 409715
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.6
 88 17.2 0.0 34.4





#35

Dibromofluoromethane

Concen: 45.445 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

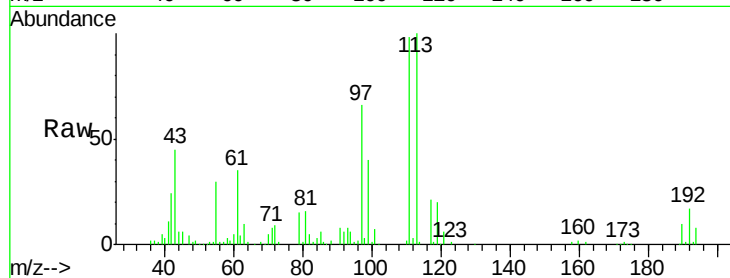
Tgt Ion: 113 Resp: 146488

Ion Ratio Lower Upper

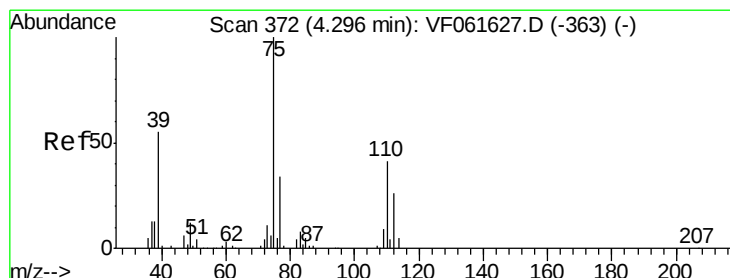
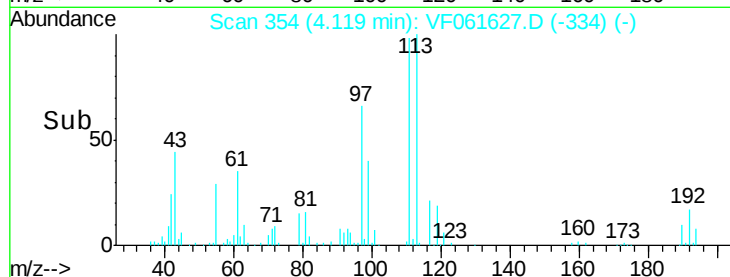
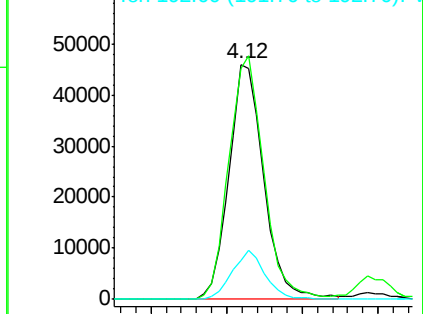
113 100

111 98.5 78.8 118.2

192 16.7 13.4 20.0



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: 41.790 ug/l

RT: 4.30 min Scan# 372

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

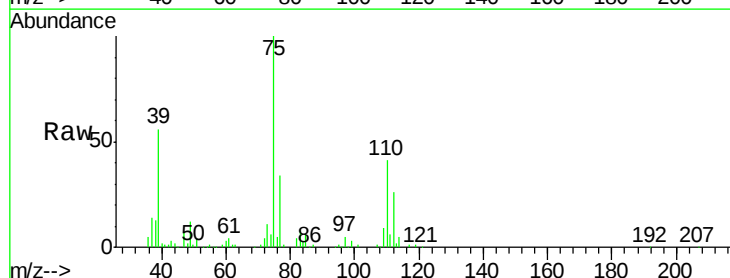
Tgt Ion: 75 Resp: 191213

Ion Ratio Lower Upper

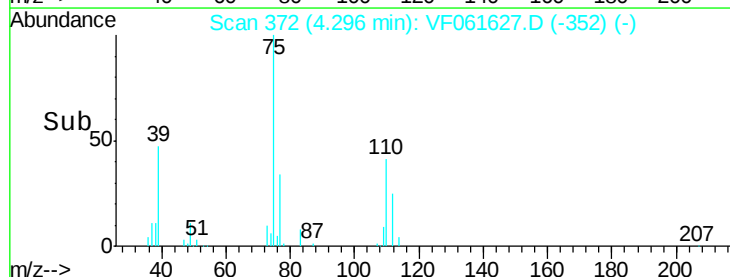
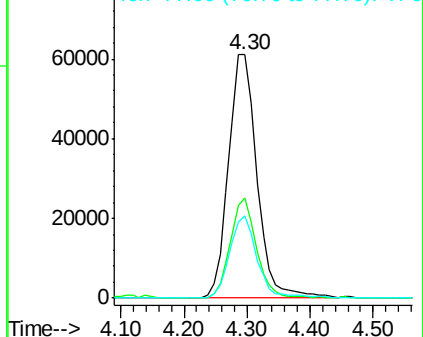
75 100

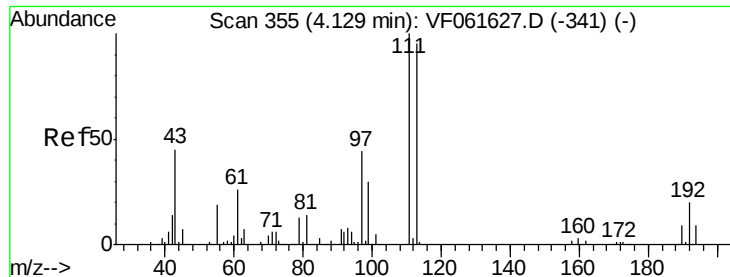
110 41.1 20.5 61.6

77 33.7 27.0 40.4



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

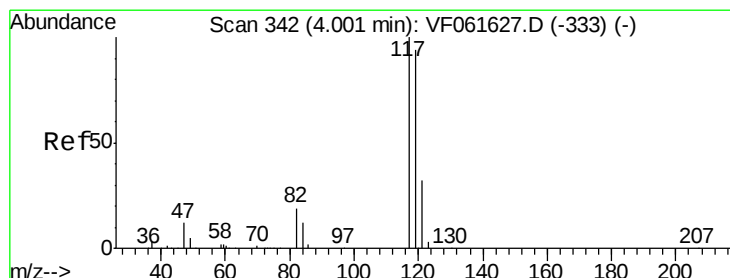
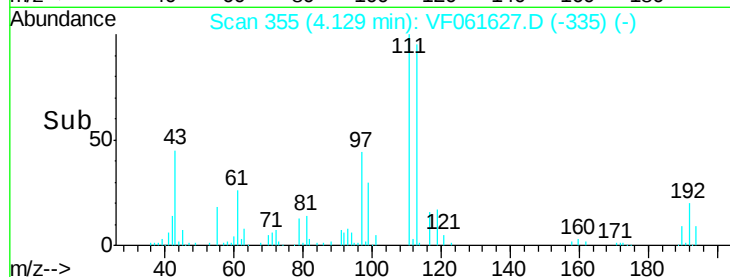
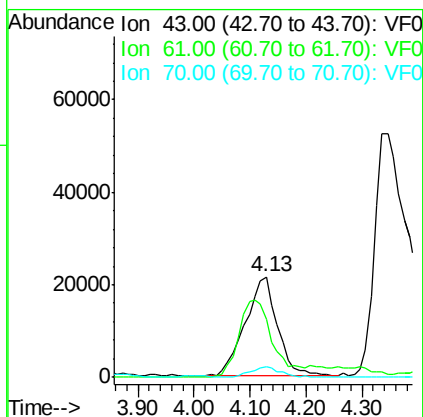
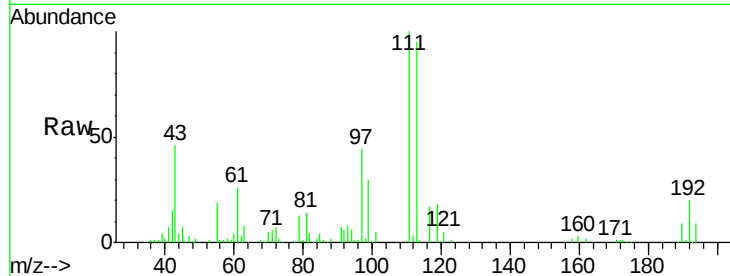




#37
Ethyl Acetate
Concen: 42.005 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

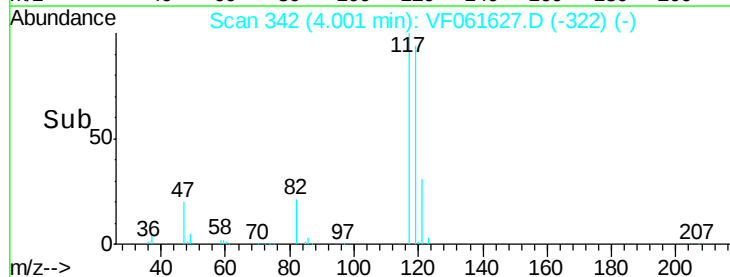
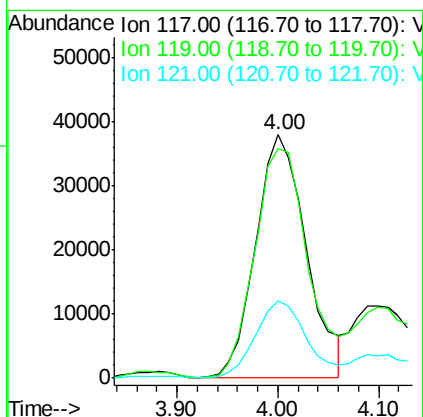
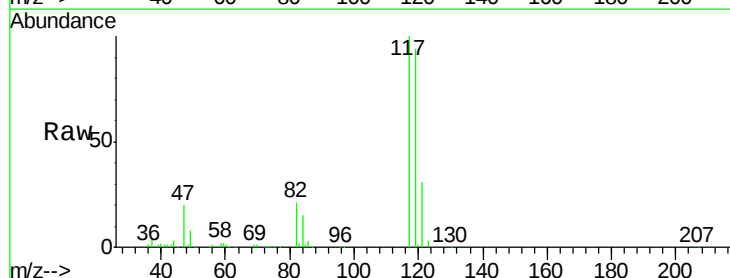
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

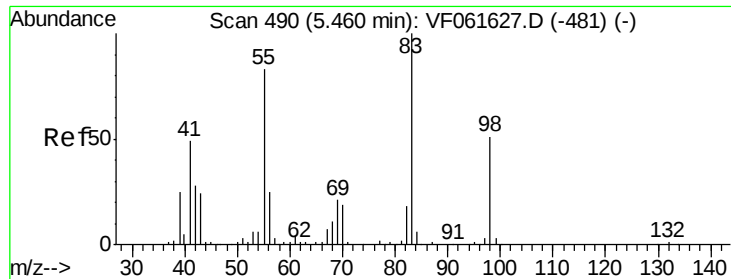
Tgt Ion: 43 Resp: 84500
Ion Ratio Lower Upper
43 100
61 57.1 45.7 68.5
70 10.6 8.5 12.7



#38
Carbon Tetrachloride
Concen: 35.066 ug/l
RT: 4.00 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 117 Resp: 131225
Ion Ratio Lower Upper
117 100
119 94.5 75.6 113.4
121 31.5 25.2 37.8

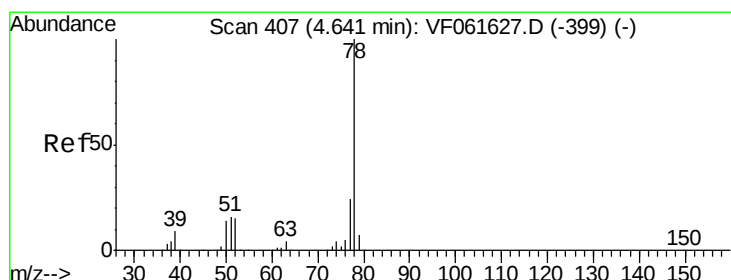
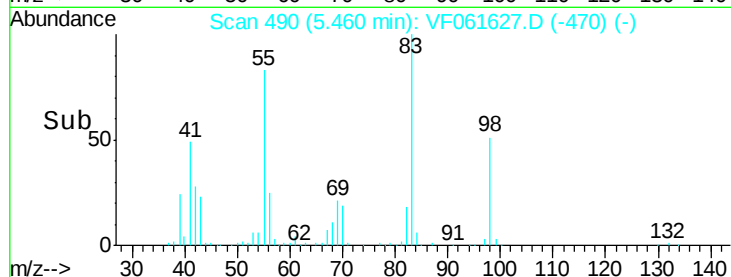
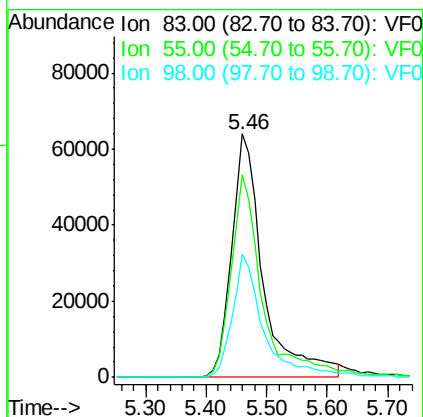
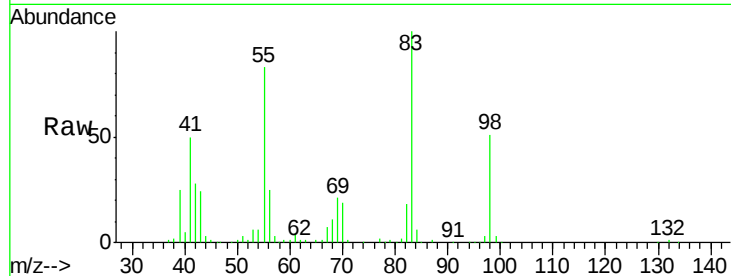




#39
Methylcyclohexane
Concen: 50.035 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

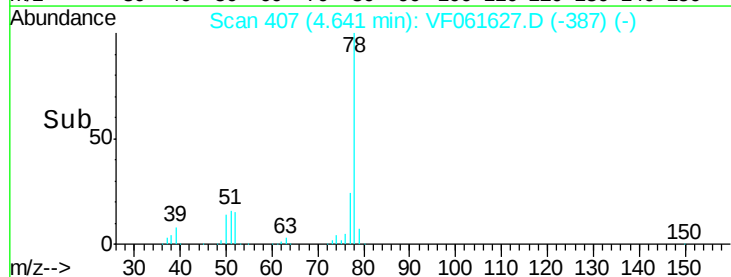
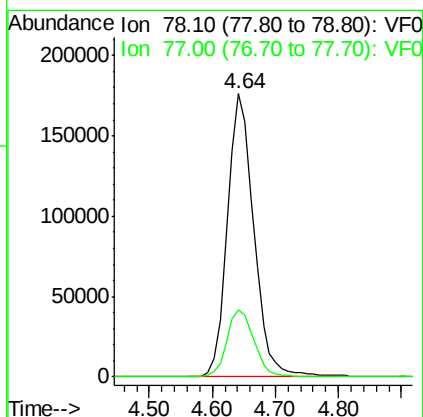
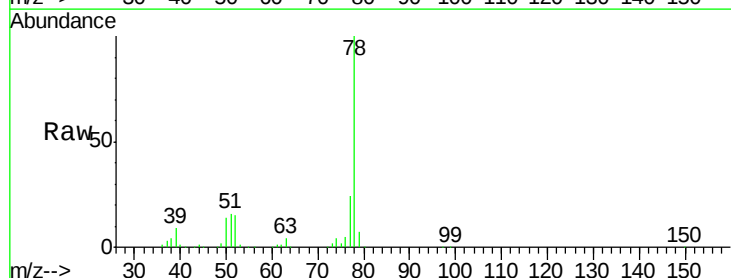
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

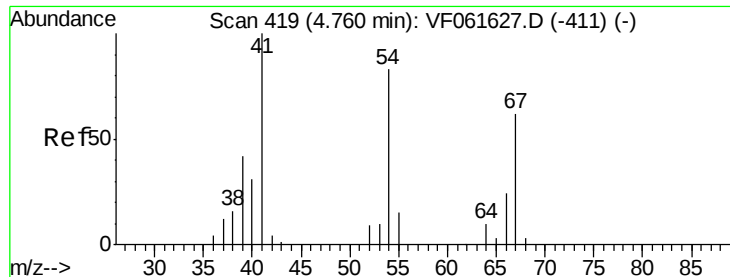
Tgt Ion: 83 Resp: 232505
Ion Ratio Lower Upper
83 100
55 83.2 66.6 99.8
98 50.5 40.4 60.6



#40
Benzene
Concen: 49.734 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 78 Resp: 509962
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6





#41

Methacrylonitrile

Concen: 45.783 ug/l

RT: 4.76 min Scan# 419

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 46157

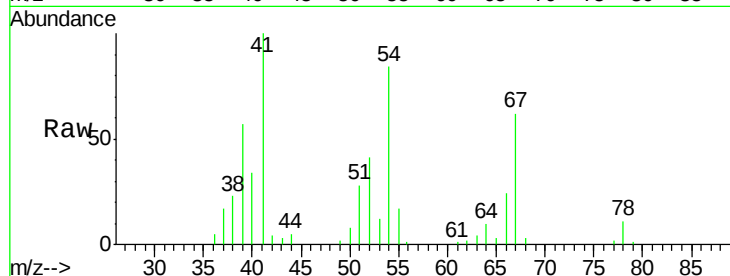
Ion Ratio Lower Upper

41 100

39 56.6 45.3 67.9

67 61.6 49.3 73.9

52 40.8 32.6 49.0

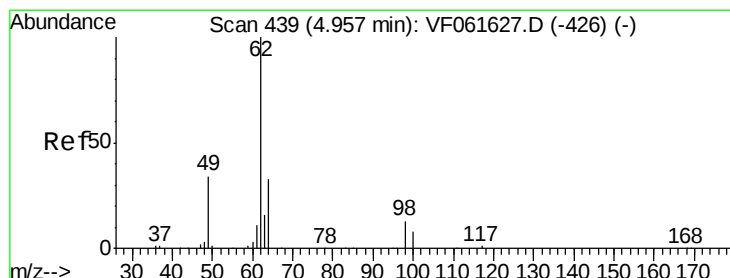
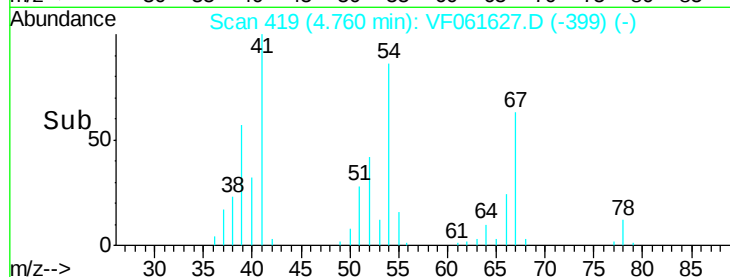
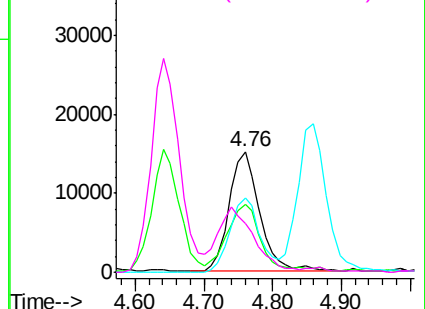


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 35.240 ug/l

RT: 4.96 min Scan# 439

Delta R.T. 0.00 min

Lab File: VF061627.D

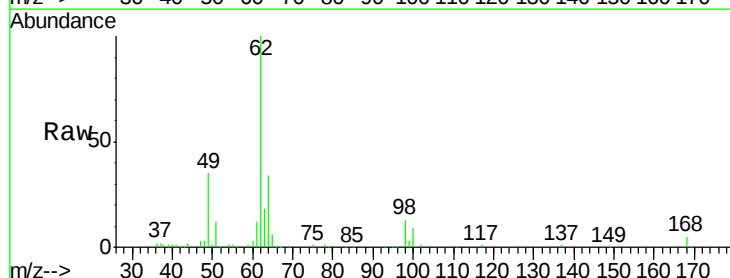
Acq: 13 Feb 2019 17:34

Tgt Ion: 62 Resp: 125024

Ion Ratio Lower Upper

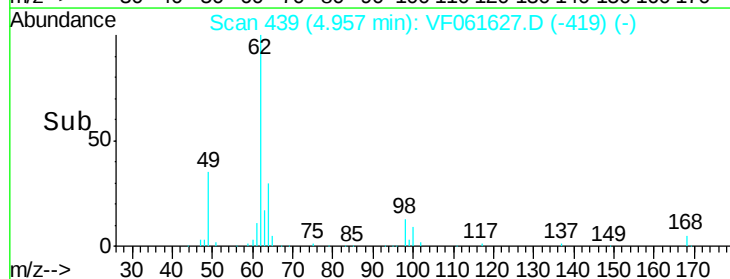
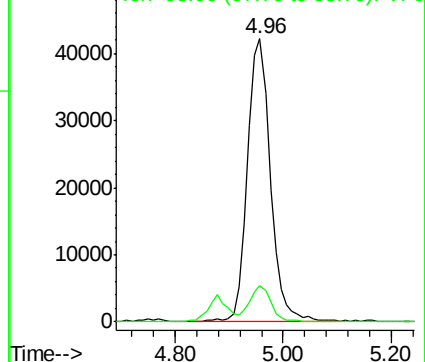
62 100

98 13.0 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

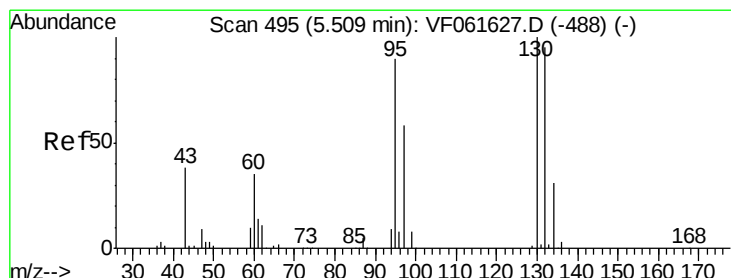
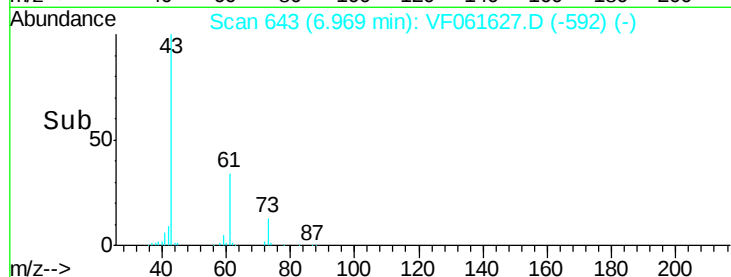
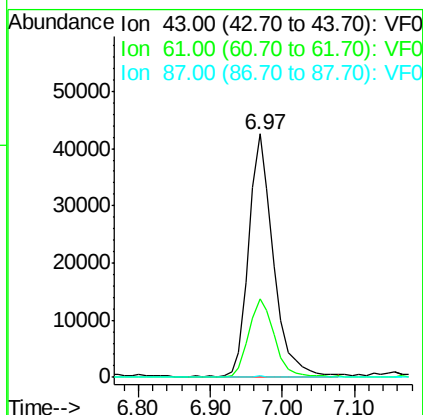
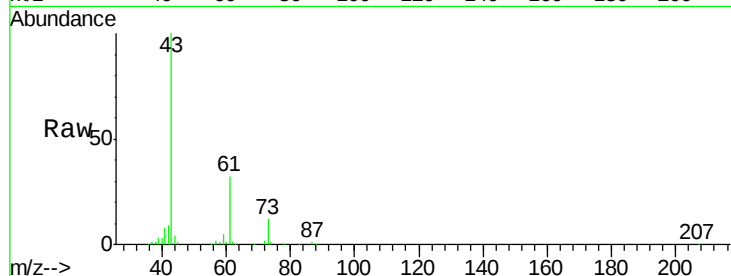




#43
Isopropyl Acetate
Concen: 44.305 ug/l
RT: 6.97 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

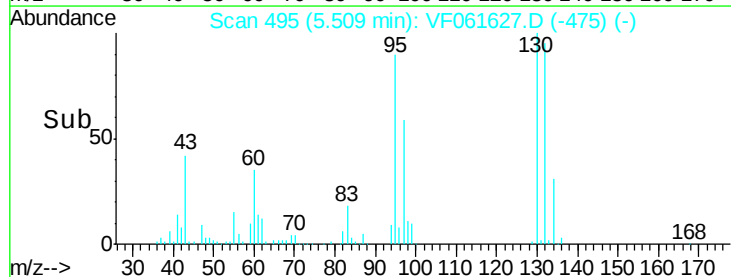
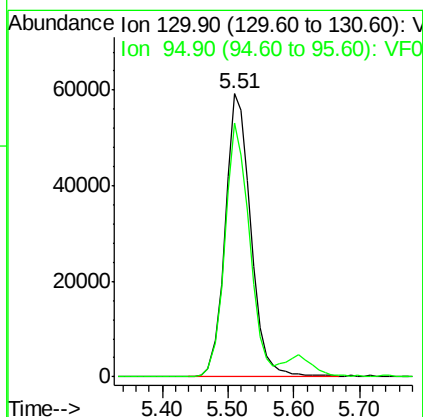
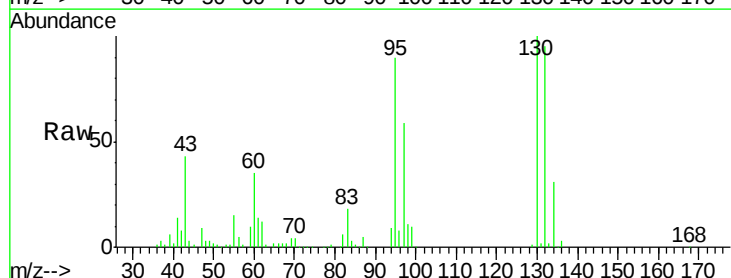
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

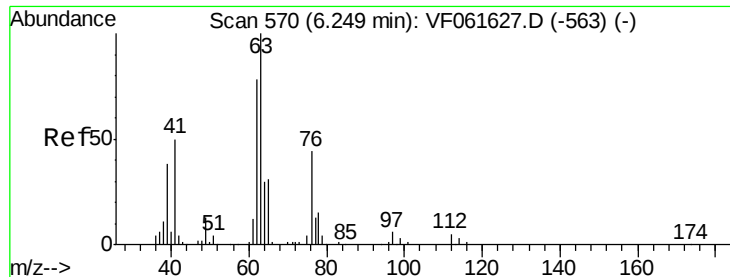
Tgt Ion: 43 Resp: 101181
Ion Ratio Lower Upper
43 100
61 32.2 25.8 38.6
87 0.5 0.4 0.6



#44
Trichloroethene
Concen: 51.596 ug/l
RT: 5.51 min Scan# 495
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 130 Resp: 161592
Ion Ratio Lower Upper
130 100
95 89.7 0.0 179.4





#45

1,2-Dichloropropane

Concen: 47.724 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

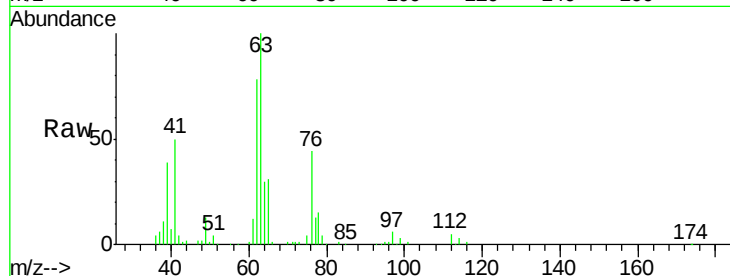
VSTDICCC050

Tgt Ion: 63 Resp: 126234

Ion Ratio Lower Upper

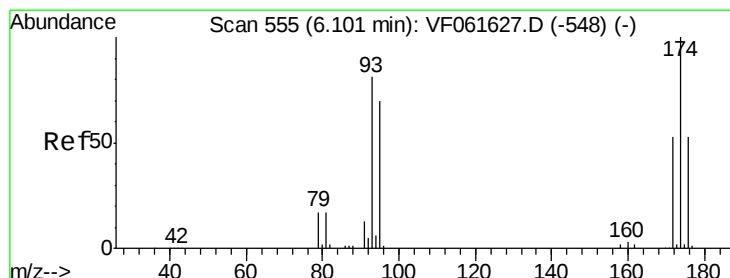
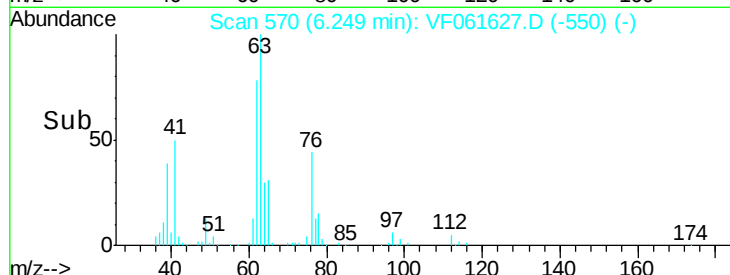
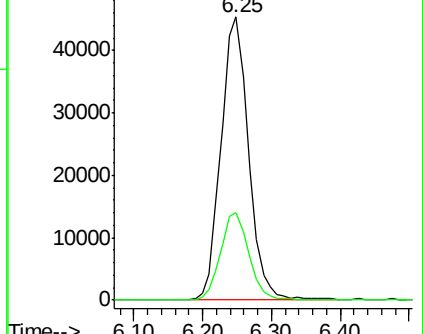
63 100

65 31.1 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 46.263 ug/l

RT: 6.10 min Scan# 555

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

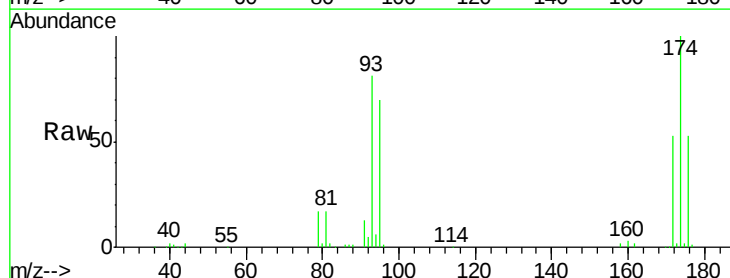
Tgt Ion: 93 Resp: 79934

Ion Ratio Lower Upper

93 100

95 86.3 69.0 103.6

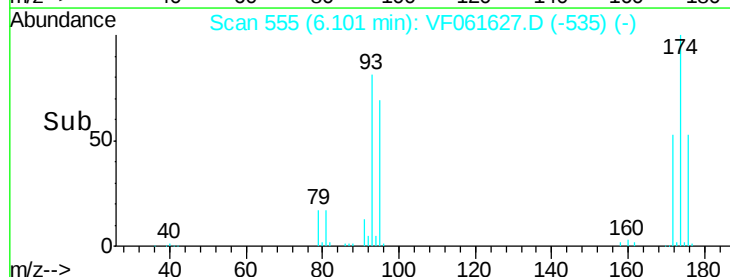
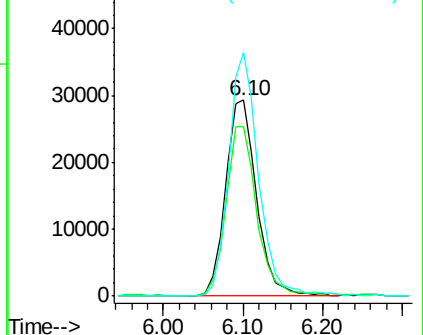
174 124.1 99.3 148.9

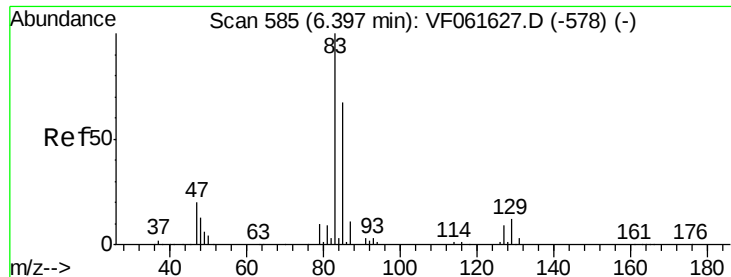


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 39.638 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

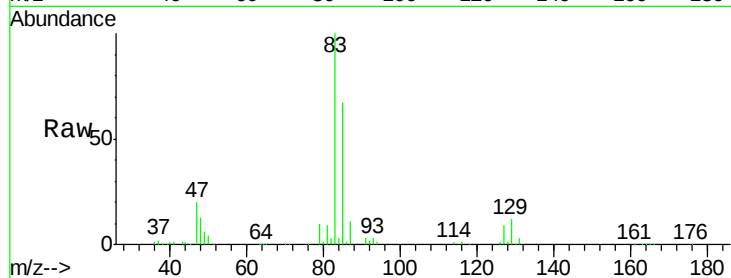
Tgt Ion: 83 Resp: 172796

Ion Ratio Lower Upper

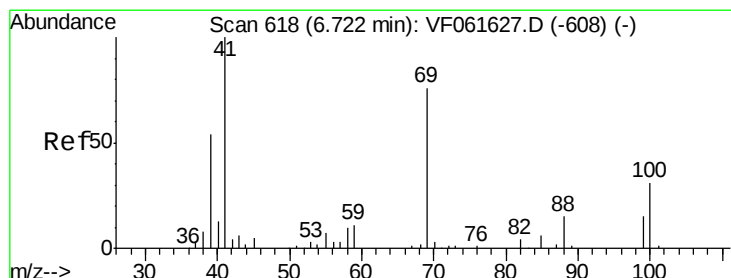
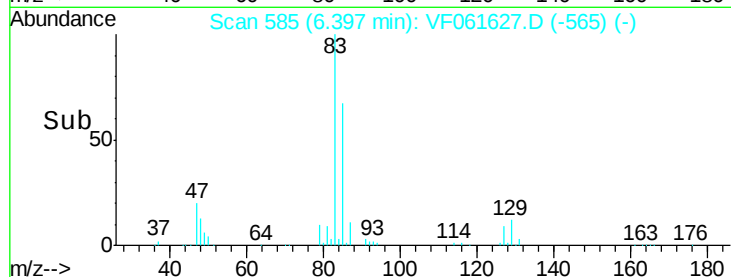
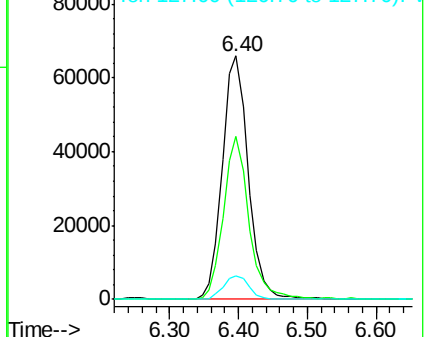
83 100

85 66.8 53.4 80.2

127 9.4 7.5 11.3



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



#48

Methyl methacrylate

Concen: 42.522 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

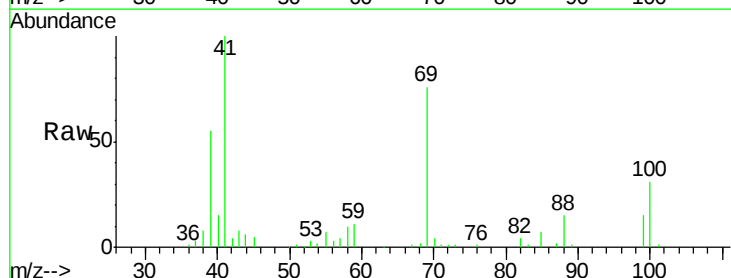
Tgt Ion: 41 Resp: 64875

Ion Ratio Lower Upper

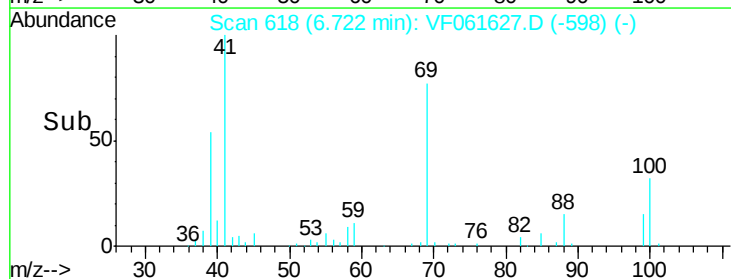
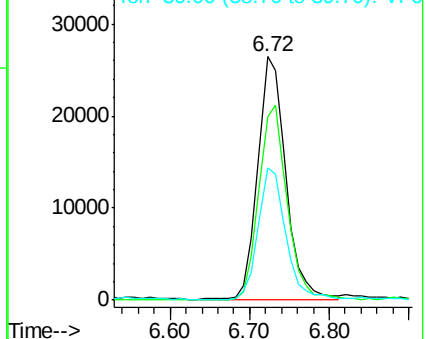
41 100

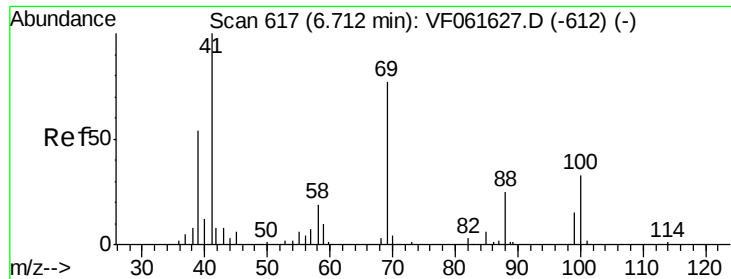
69 75.5 60.4 90.6

39 54.6 43.7 65.5



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

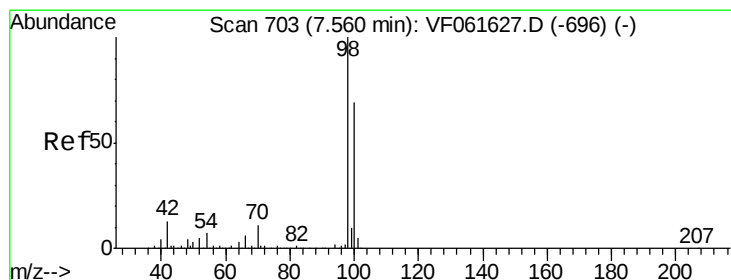
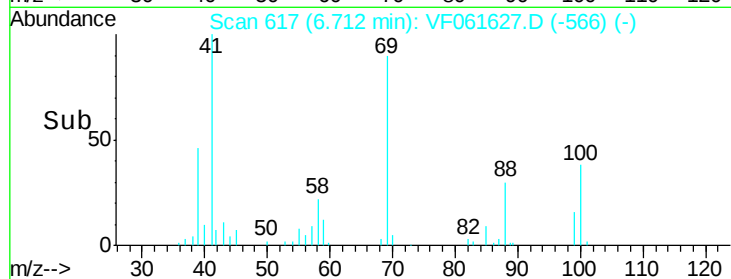
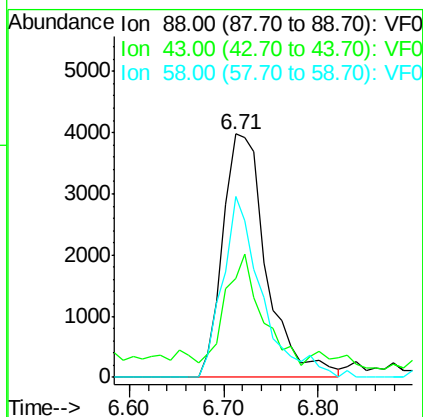
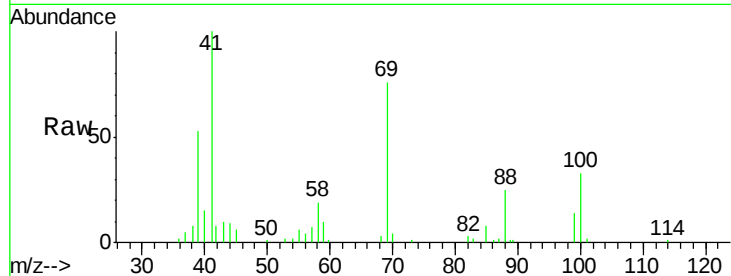




#49
1,4-Dioxane
Concen: 1188.998 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

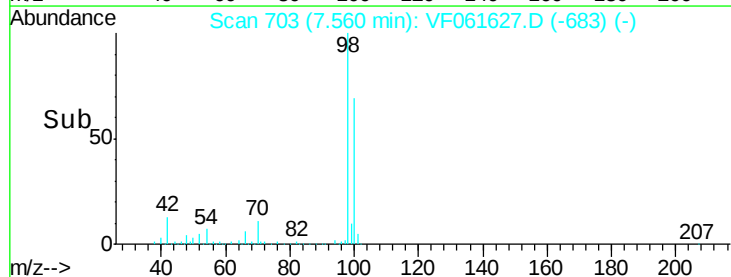
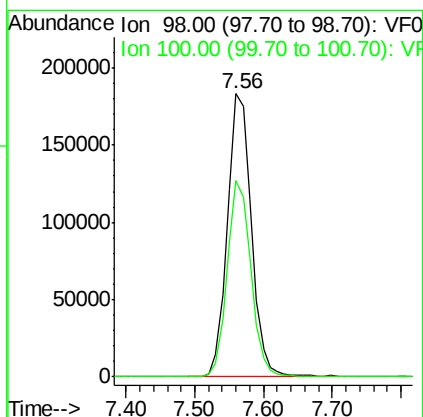
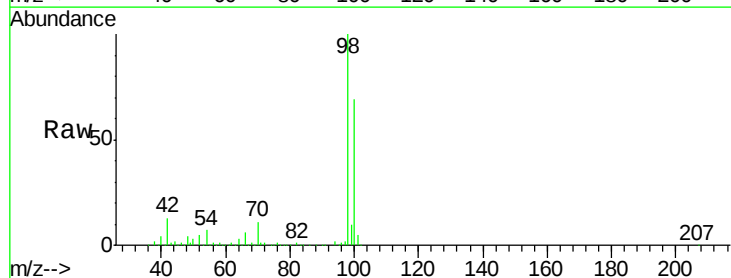
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

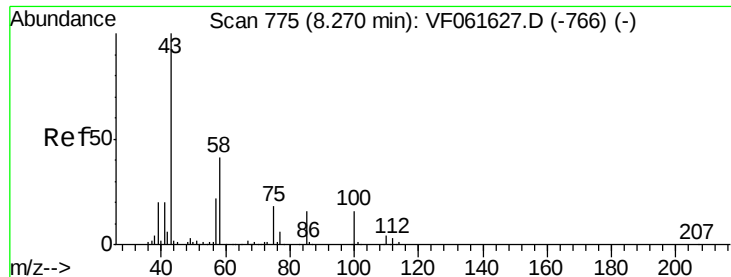
Tgt Ion: 88 Resp: 12734
Ion Ratio Lower Upper
88 100
43 40.4 32.3 48.5
58 74.3 59.4 89.2



#50
Toluene-d8
Concen: 50.411 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 98 Resp: 444139
Ion Ratio Lower Upper
98 100
100 69.3 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 222.407 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

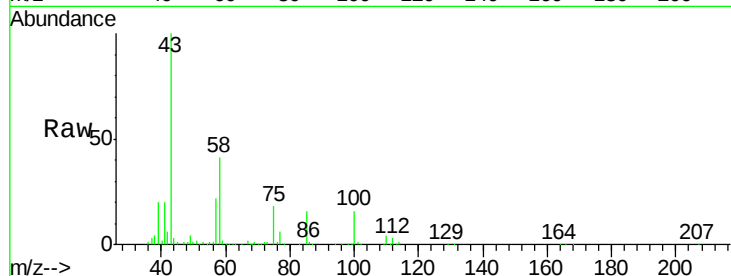
VSTDICCC050

Tgt Ion: 43 Resp: 382030

Ion Ratio Lower Upper

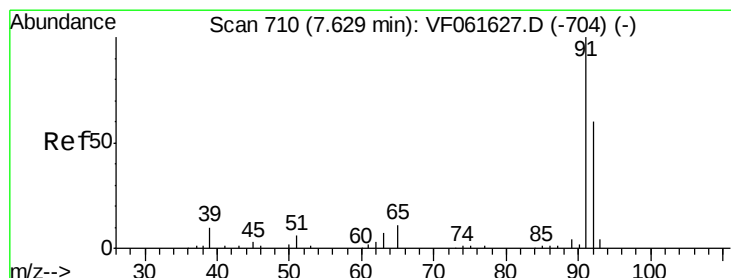
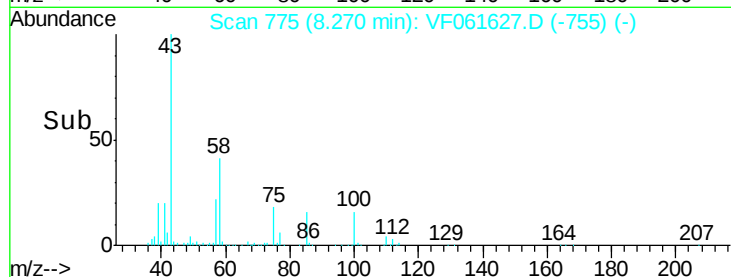
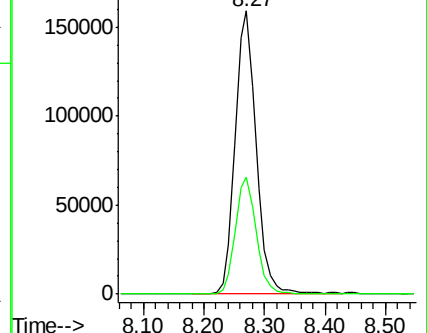
43 100

58 41.4 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 45.944 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF061627.D

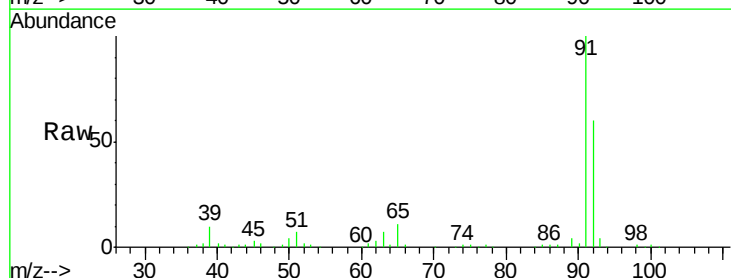
Acq: 13 Feb 2019 17:34

Tgt Ion: 92 Resp: 294154

Ion Ratio Lower Upper

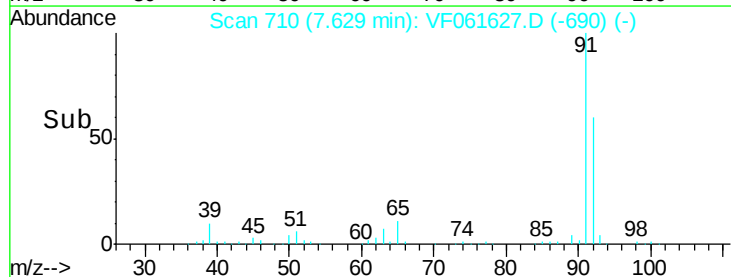
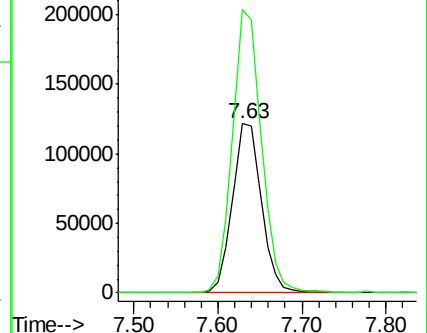
92 100

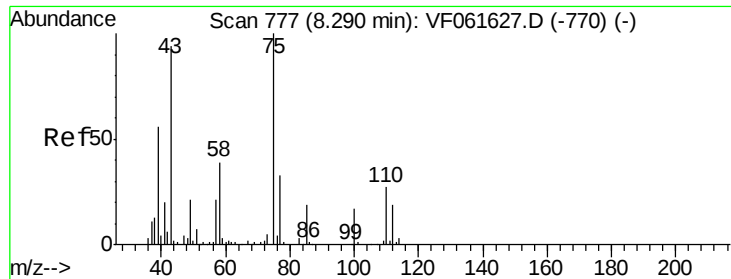
91 167.4 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

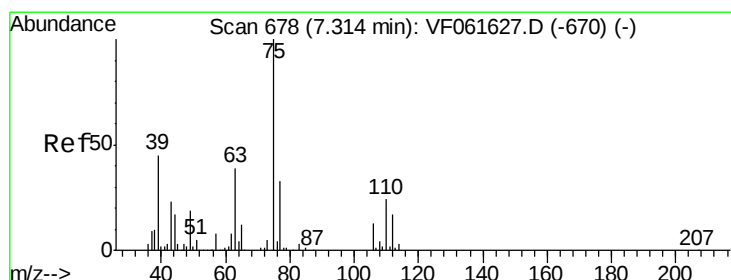
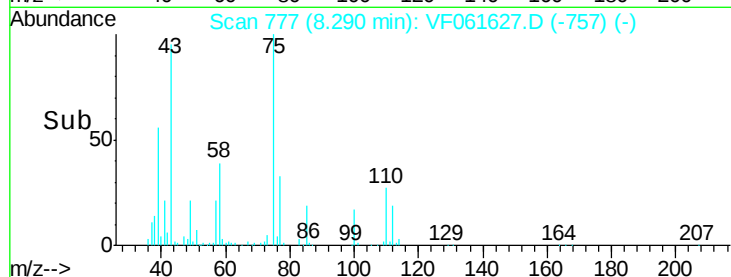
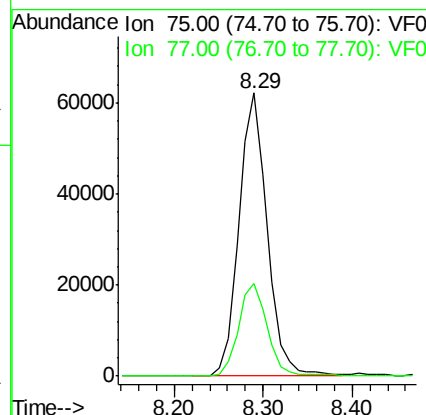
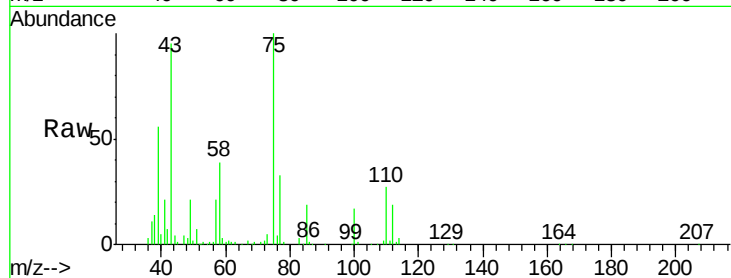




#53
t-1,3-Dichloropropene
Concen: 40.811 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

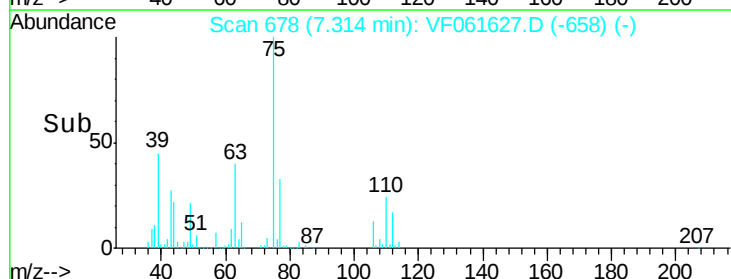
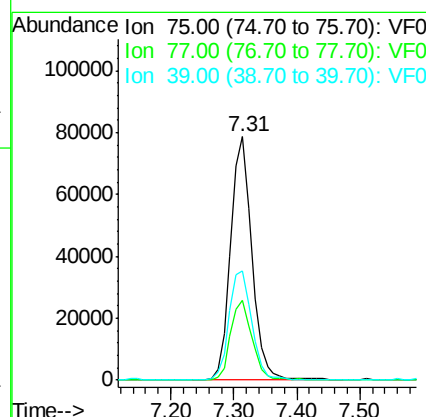
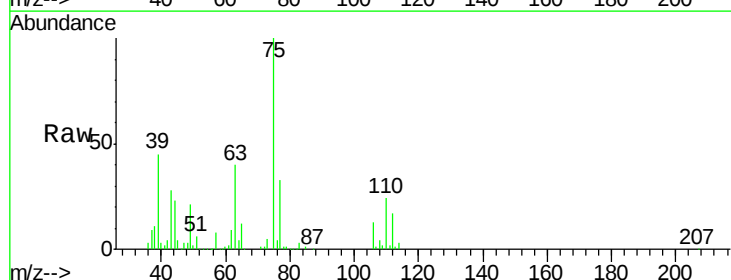
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

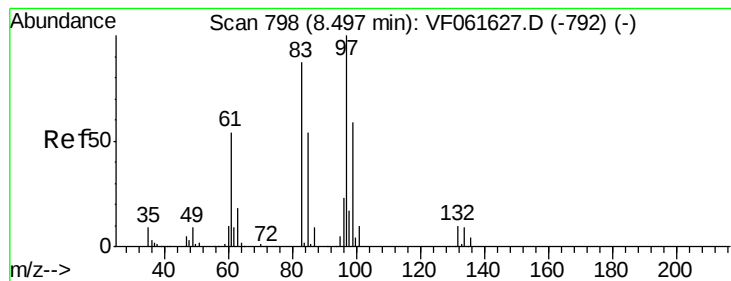
Tgt Ion: 75 Resp: 137679
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 43.050 ug/l
RT: 7.31 min Scan# 678
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 75 Resp: 184065
Ion Ratio Lower Upper
75 100
77 33.0 26.4 39.6
39 45.0 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 47.370 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 93825

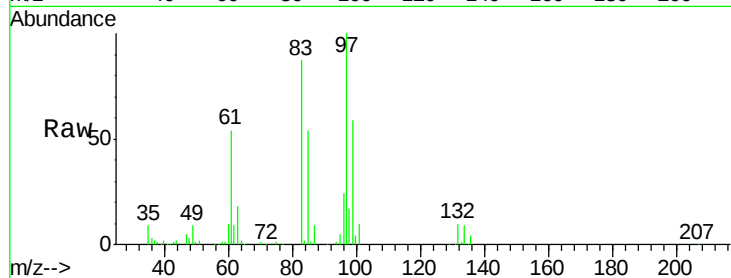
Ion Ratio Lower Upper

97 100

83 86.5 69.2 103.8

85 53.7 43.0 64.4

99 59.0 47.2 70.8

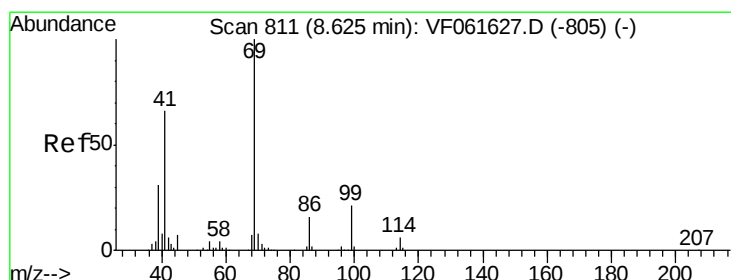
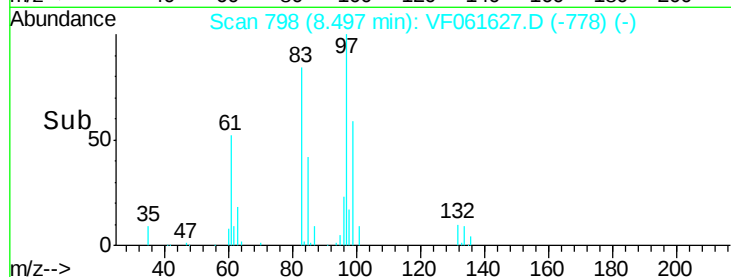
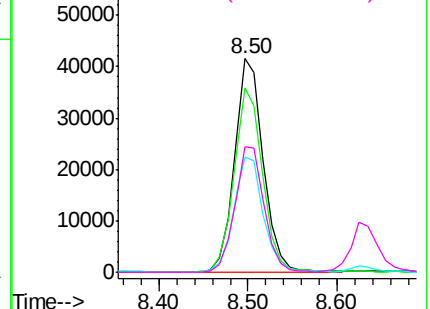


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 45.222 ug/l

RT: 8.63 min Scan# 811

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

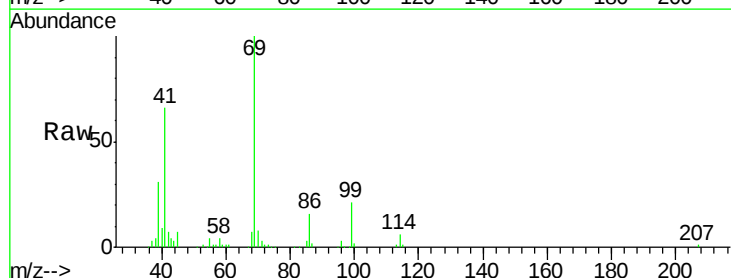
Tgt Ion: 69 Resp: 99301

Ion Ratio Lower Upper

69 100

41 66.1 52.9 79.3

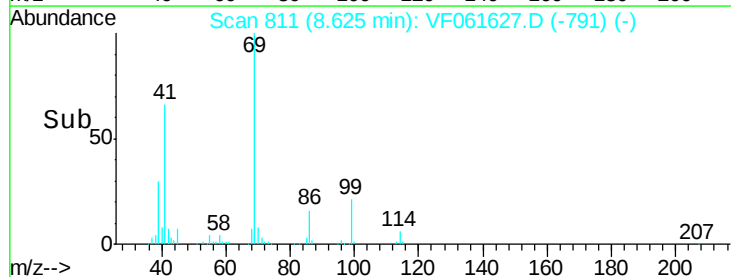
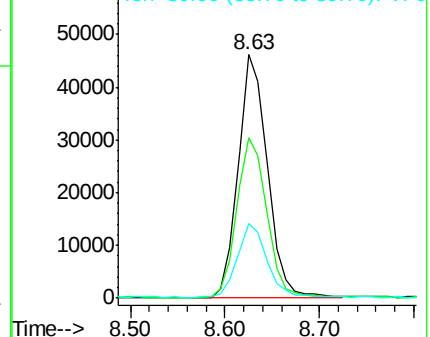
39 30.6 24.5 36.7

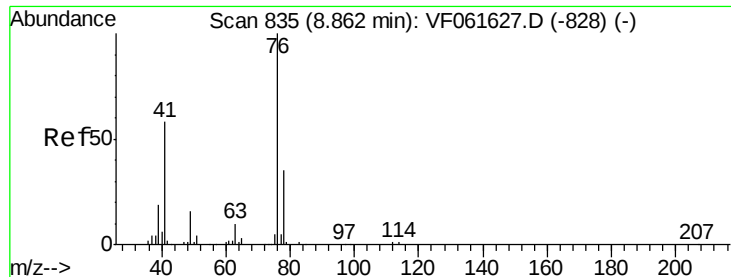


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

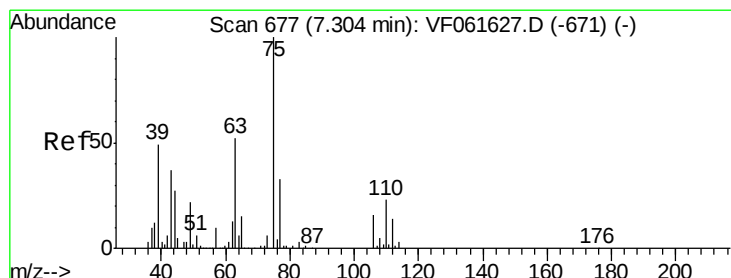
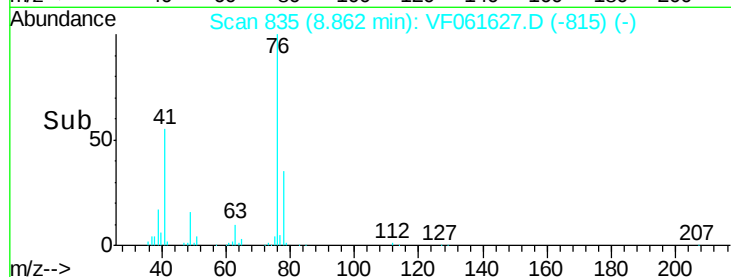
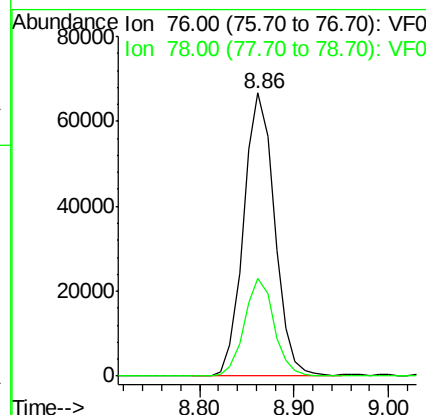
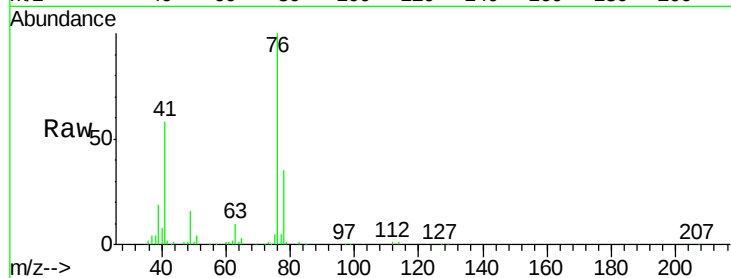




#57
 1,3-Dichloropropane
 Concen: 44.059 ug/l
 RT: 8.86 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

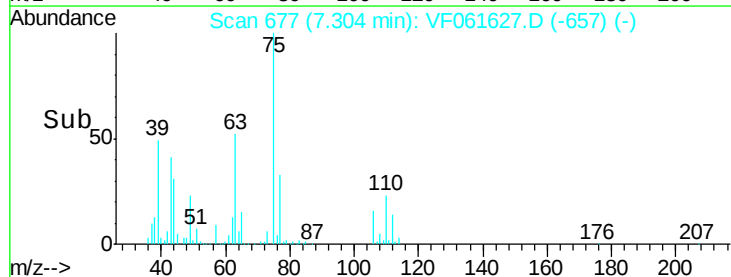
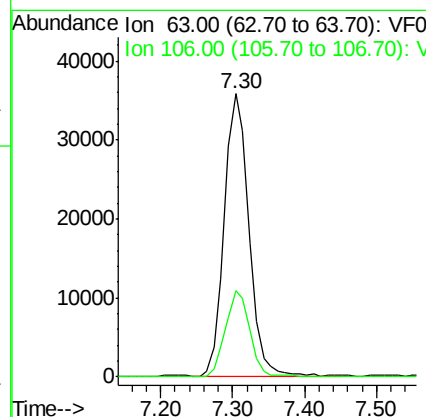
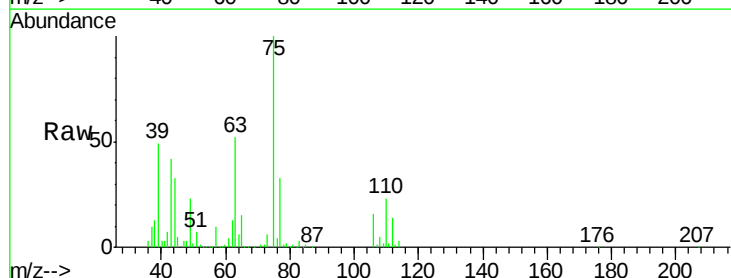
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

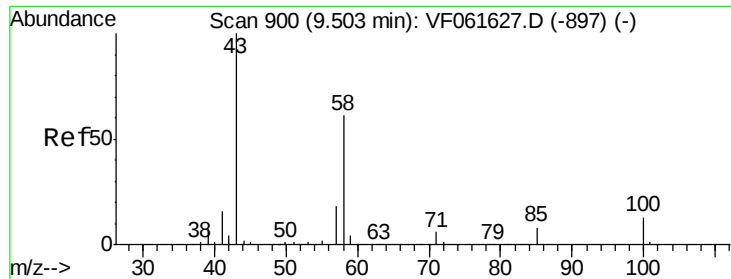
Tgt Ion: 76 Resp: 151913
 Ion Ratio Lower Upper
 76 100
 78 34.7 27.8 41.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.291 ug/l
 RT: 7.30 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

Tgt Ion: 63 Resp: 85301
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.6 36.8

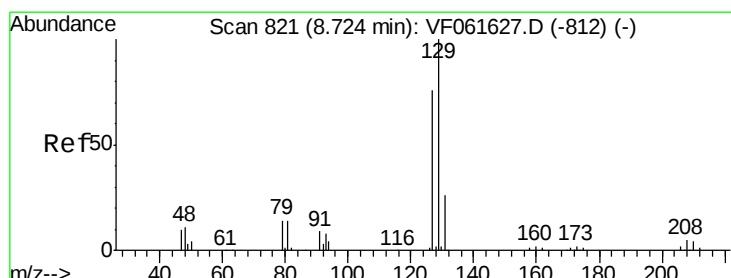
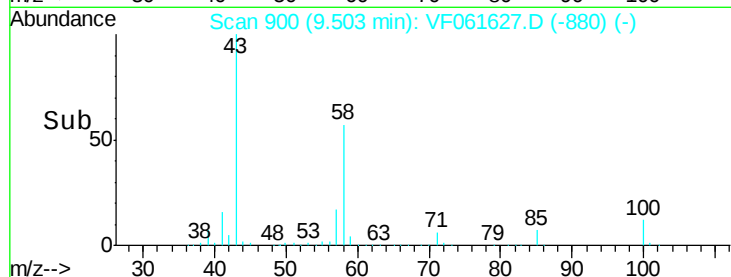
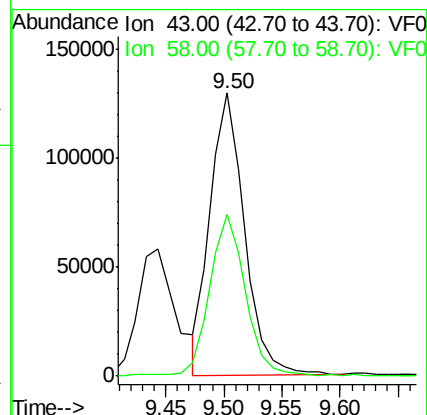
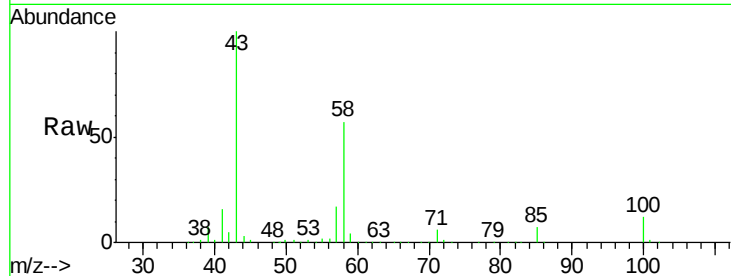




#59
2-Hexanone
Concen: 226.483 ug/l
RT: 9.50 min Scan# 900
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

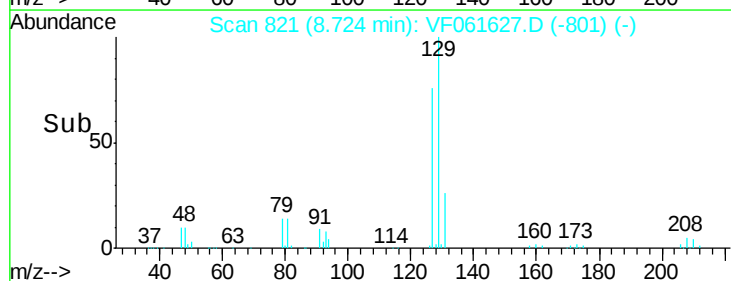
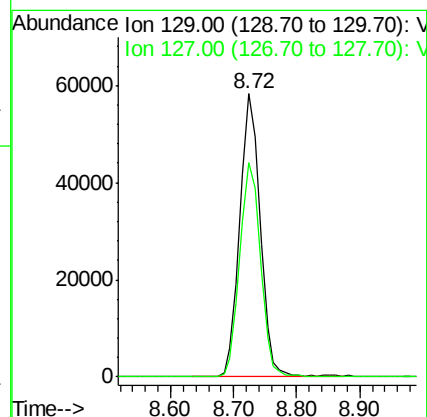
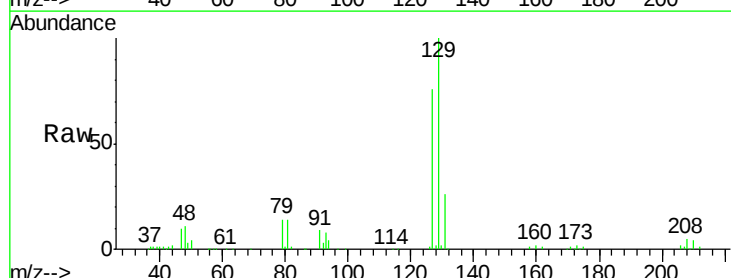
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

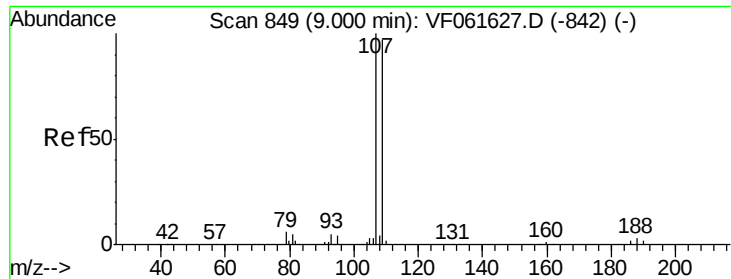
Tgt Ion: 43 Resp: 263504
Ion Ratio Lower Upper
43 100
58 57.0 28.5 85.5



#60
Dibromochloromethane
Concen: 47.420 ug/l
RT: 8.72 min Scan# 821
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 129 Resp: 130490
Ion Ratio Lower Upper
129 100
127 75.6 37.8 113.4





#61

1,2-Dibromoethane

Concen: 48.080 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

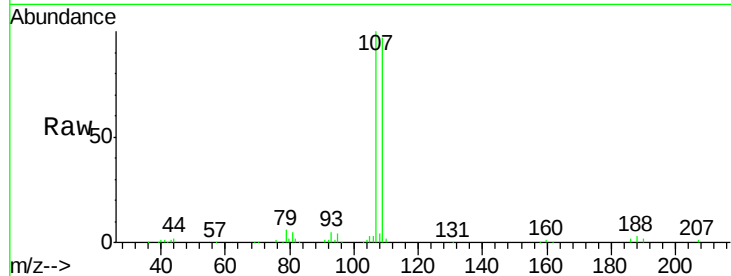
VSTDICCC050

Tgt Ion: 107 Resp: 99319

Ion Ratio Lower Upper

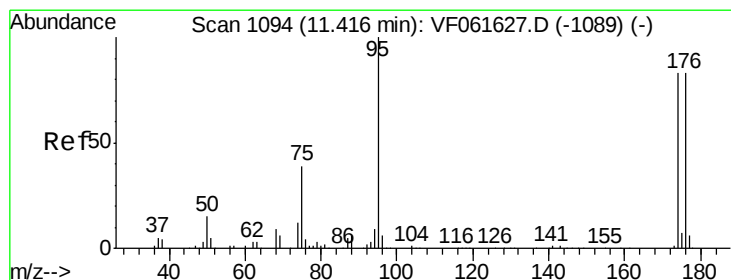
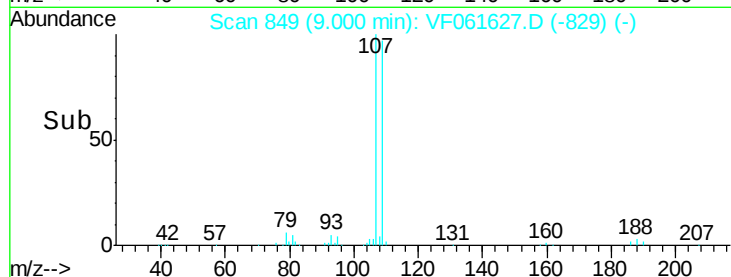
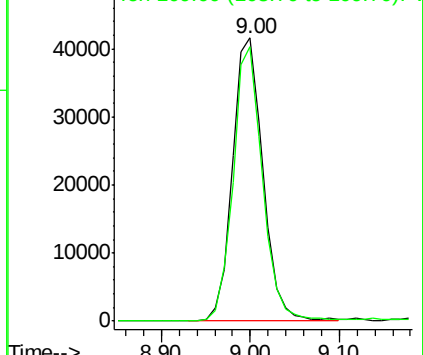
107 100

109 96.7 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.097 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

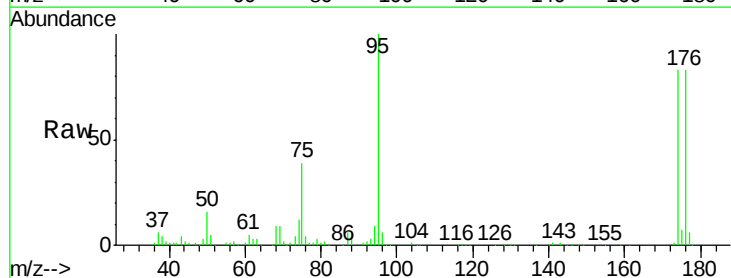
Tgt Ion: 95 Resp: 167882

Ion Ratio Lower Upper

95 100

174 82.9 0.0 165.8

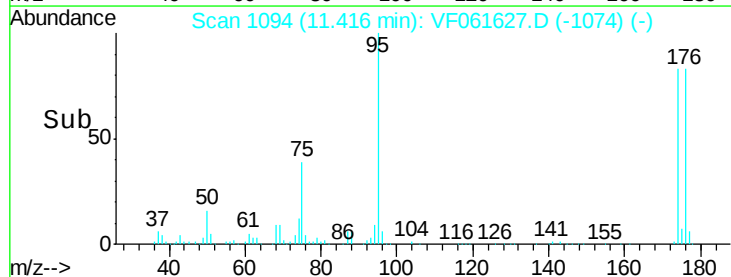
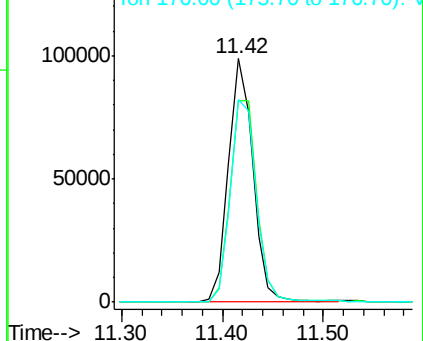
176 83.5 0.0 167.0

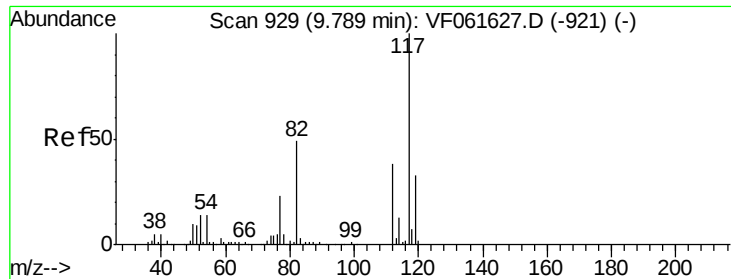


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

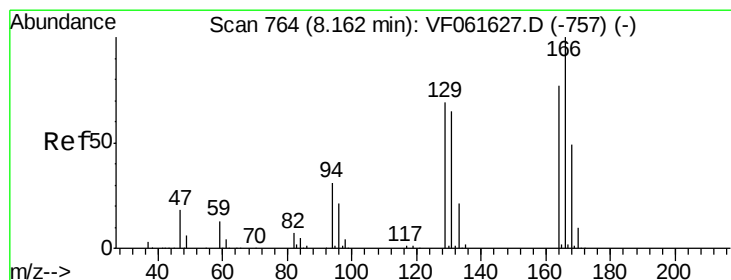
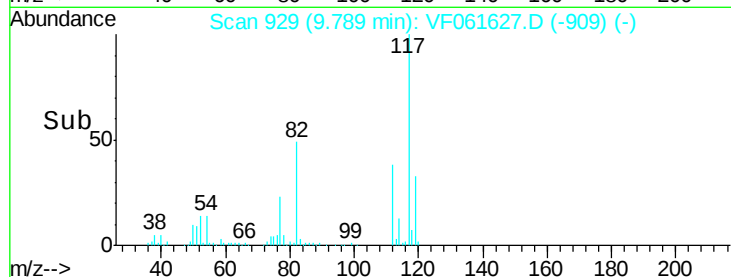
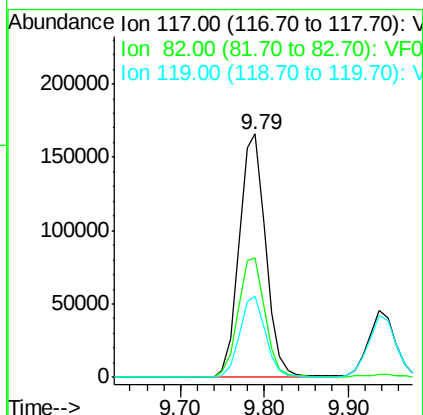
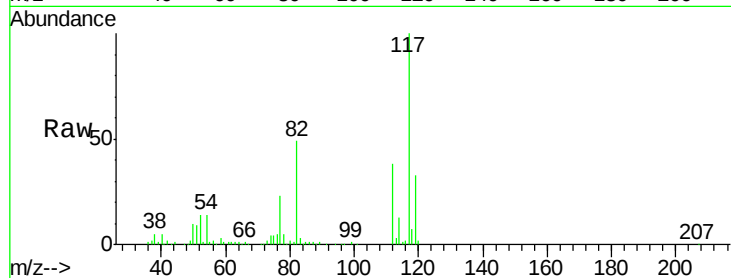




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

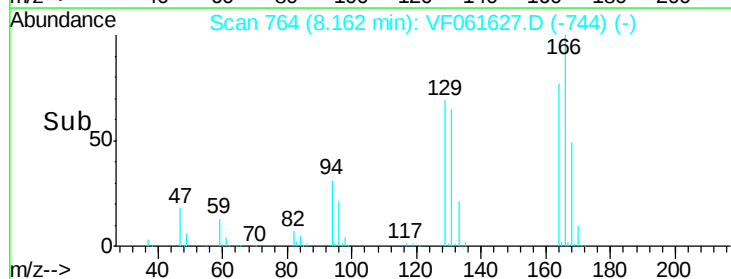
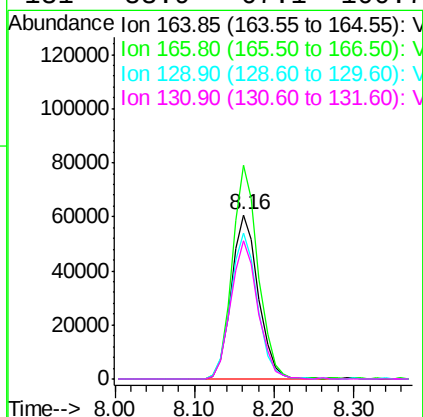
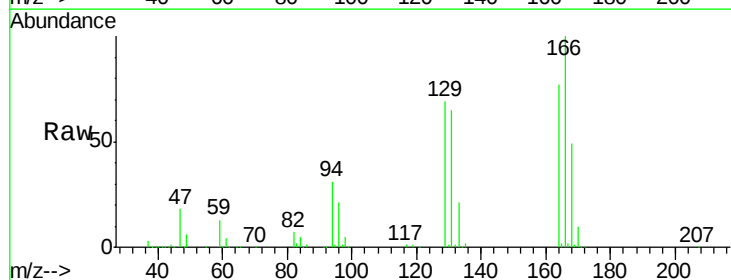
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

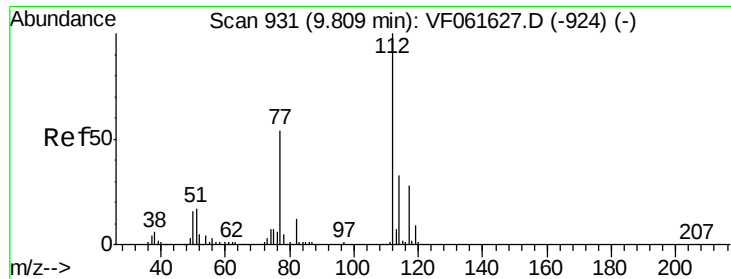
Tgt Ion:117 Resp: 364763
Ion Ratio Lower Upper
117 100
82 49.1 39.3 58.9
119 33.3 26.6 40.0



#64
Tetrachloroethene
Concen: 51.672 ug/l
RT: 8.16 min Scan# 764
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion:164 Resp: 142612
Ion Ratio Lower Upper
164 100
166 129.9 103.9 155.9
129 89.1 71.3 106.9
131 83.9 67.1 100.7

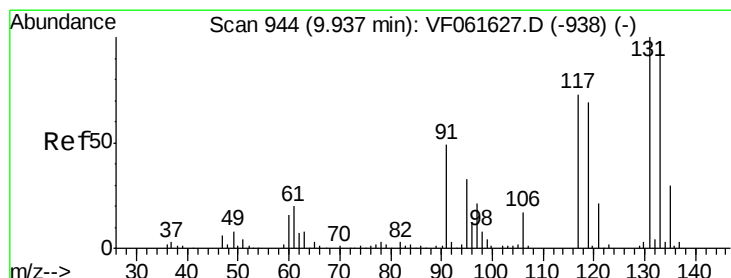
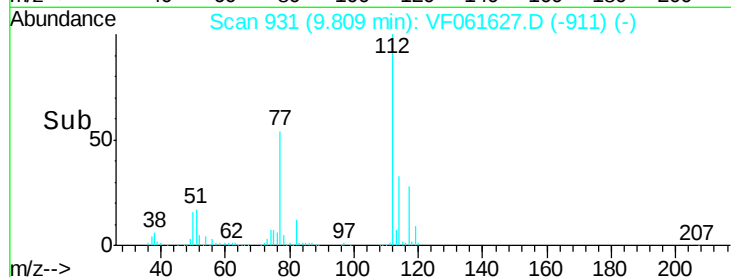
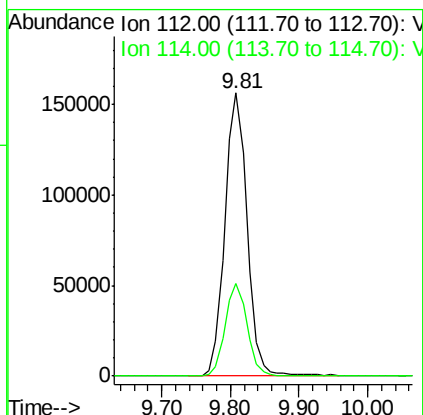
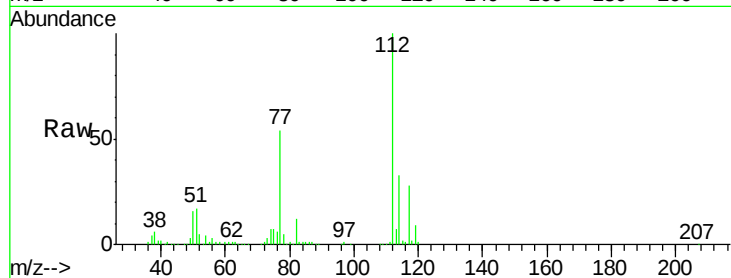




#65
Chlorobenzene
Concen: 49.294 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

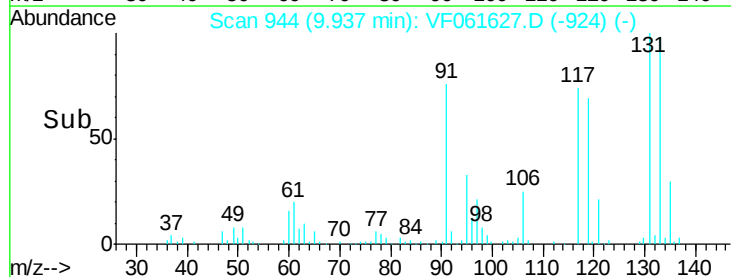
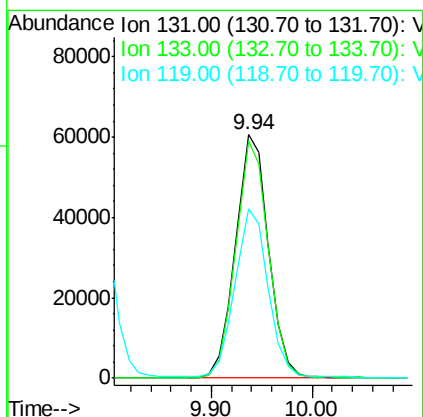
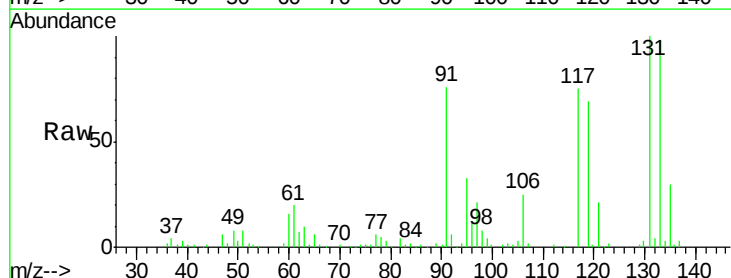
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

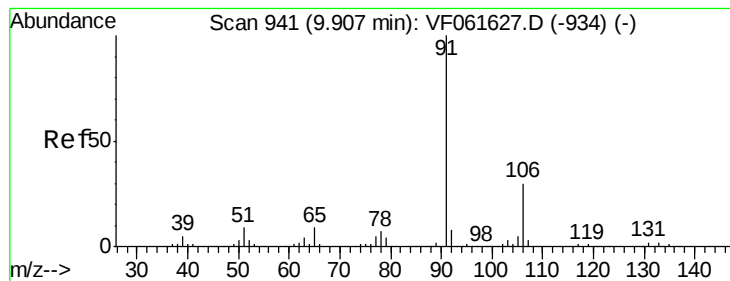
Tgt Ion:112 Resp: 349721
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 47.257 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion:131 Resp: 138278
Ion Ratio Lower Upper
131 100
133 97.7 48.9 146.6
119 69.5 34.8 104.3





#67

Ethyl Benzene

Concen: 44.063 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

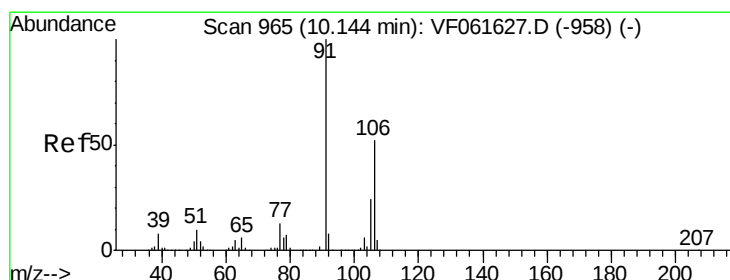
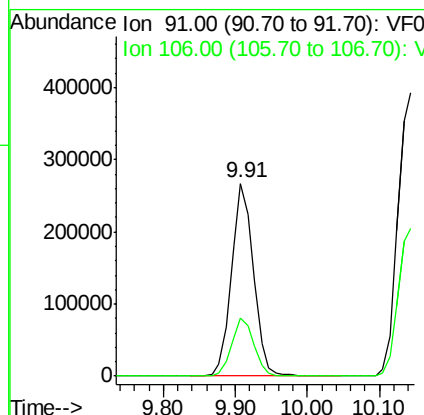
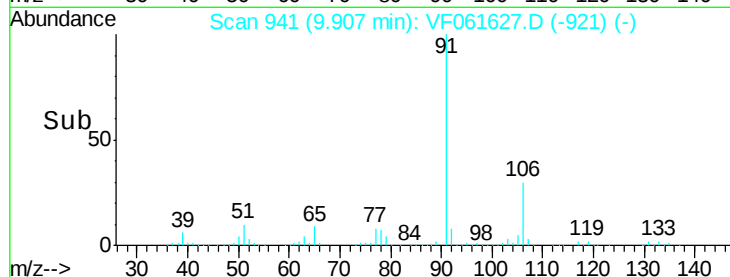
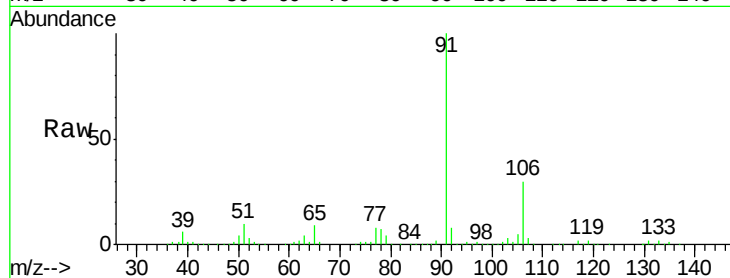
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 569146

Ion Ratio Lower Upper

91 100

106 30.1 24.1 36.1



#68

m/p-Xylenes

Concen: 97.660 ug/l

RT: 10.14 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF061627.D

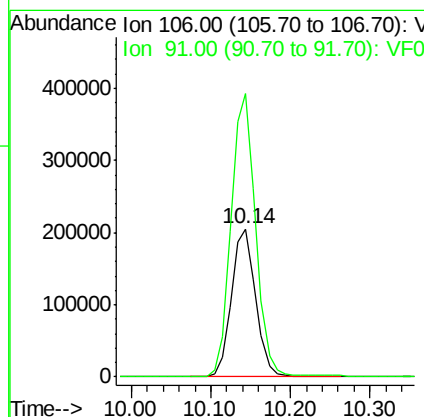
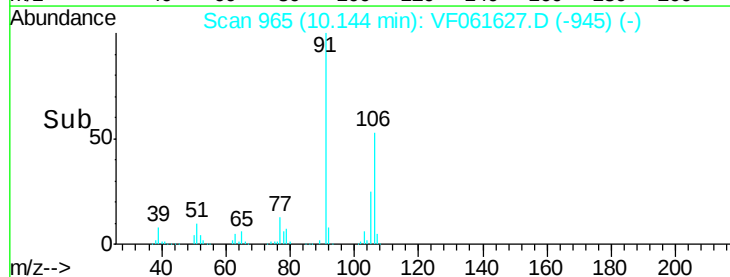
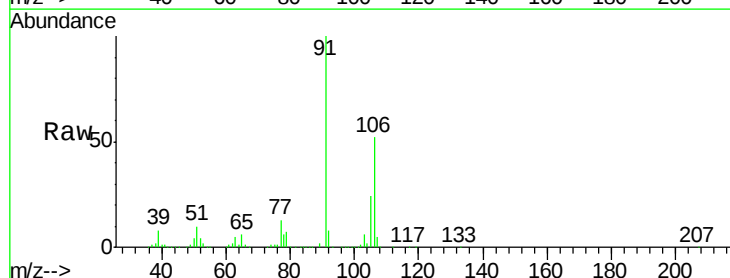
Acq: 13 Feb 2019 17:34

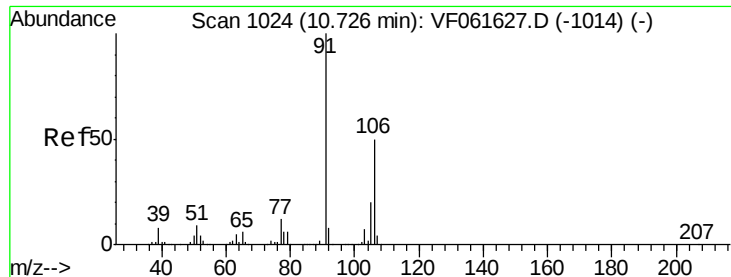
Tgt Ion: 106 Resp: 437637

Ion Ratio Lower Upper

106 100

91 191.3 153.0 229.6

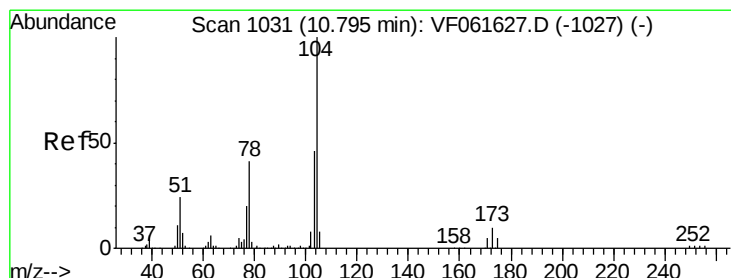
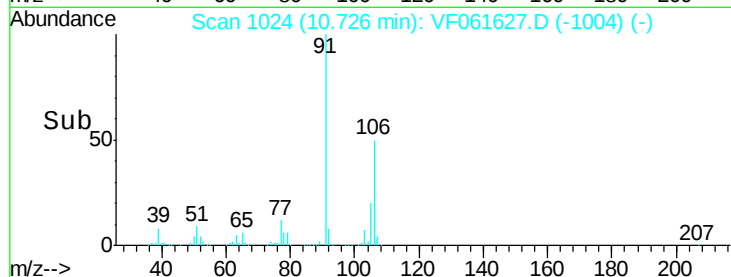
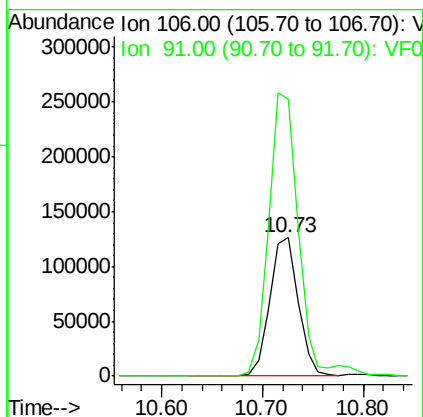
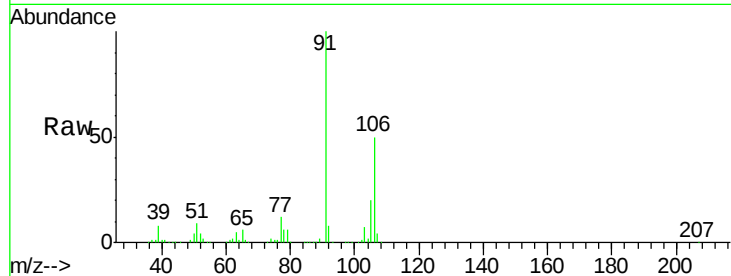




#69
o-Xylene
Concen: 49.348 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

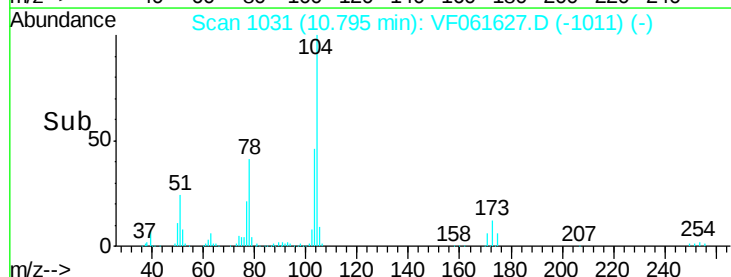
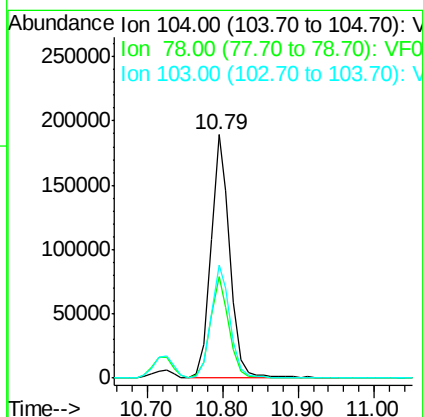
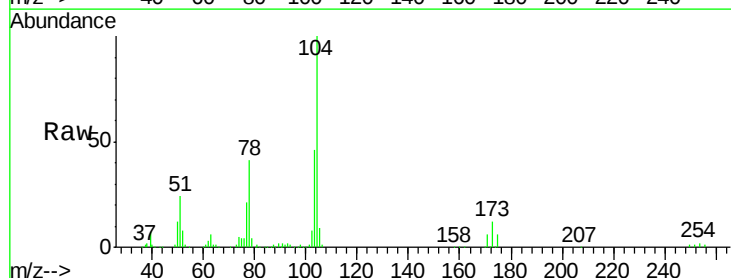
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

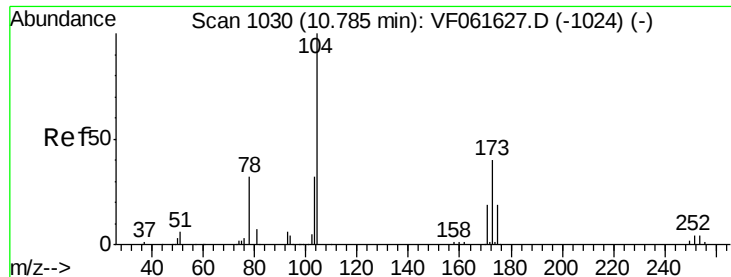
Tgt Ion:106 Resp: 243881
Ion Ratio Lower Upper
106 100
91 200.1 100.1 300.1



#70
Styrene
Concen: 48.431 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion:104 Resp: 331441
Ion Ratio Lower Upper
104 100
78 41.5 33.2 49.8
103 46.5 37.2 55.8





#71

Bromoform

Concen: 55.559 ug/l

RT: 10.78 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

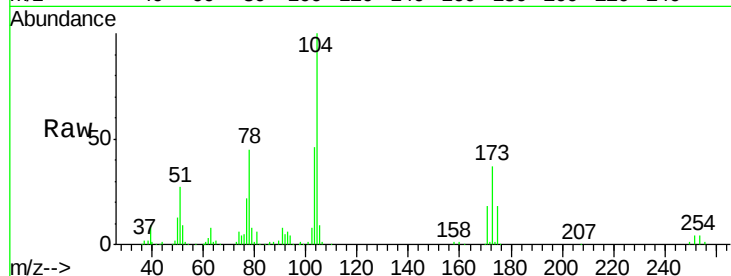
Tgt Ion:173 Resp: 76947

Ion Ratio Lower Upper

173 100

175 48.0 24.0 72.0

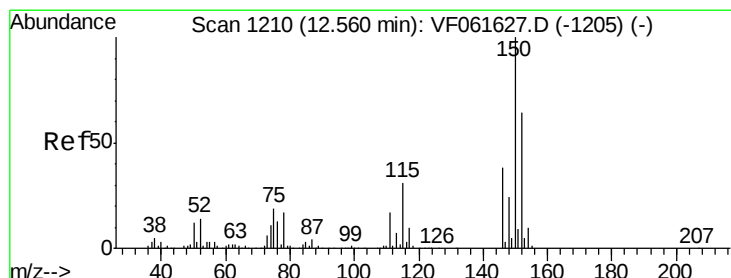
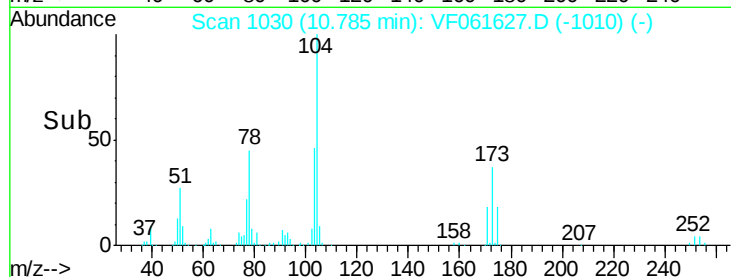
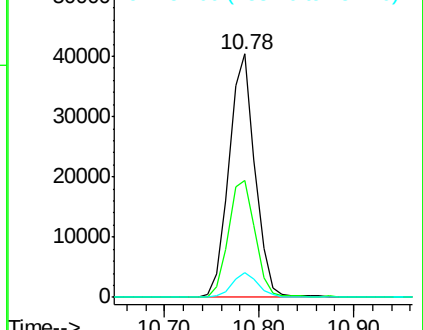
254 10.2 8.2 12.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

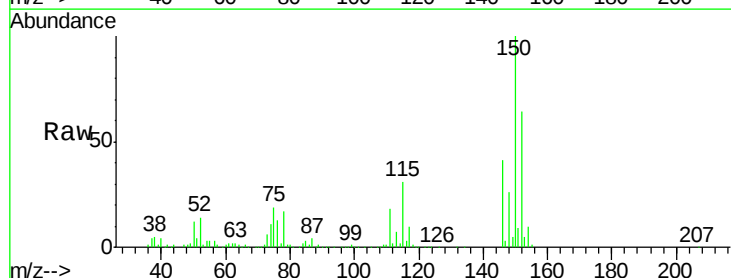
Tgt Ion:152 Resp: 195108

Ion Ratio Lower Upper

152 100

115 48.5 24.3 72.8

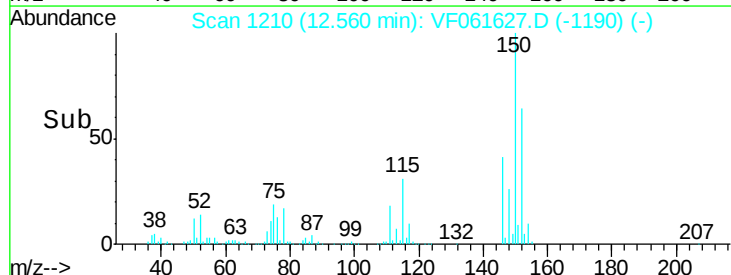
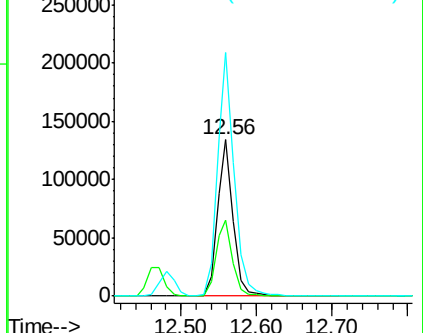
150 156.0 0.0 312.0

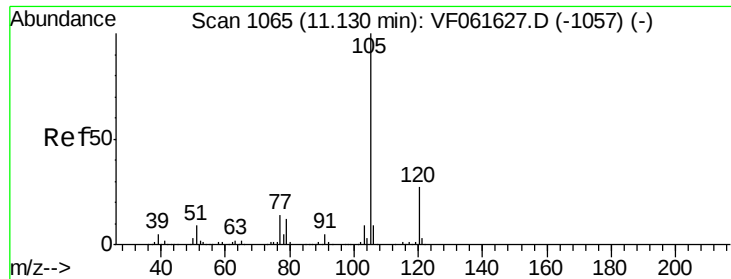


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 44.485 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

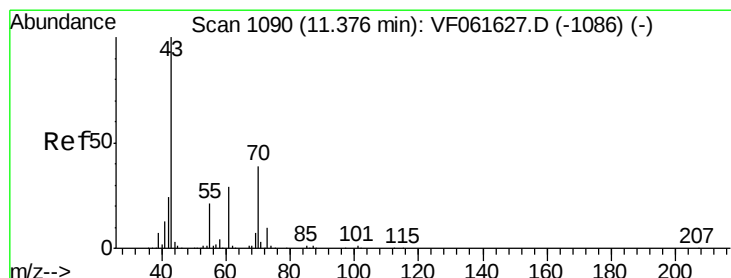
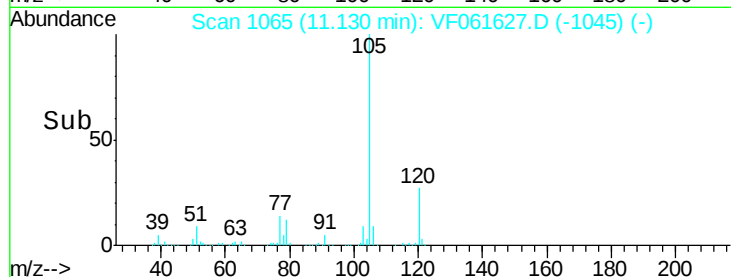
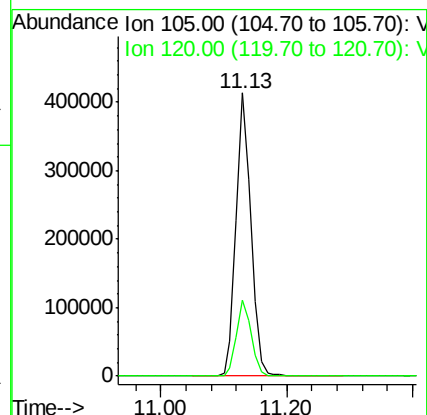
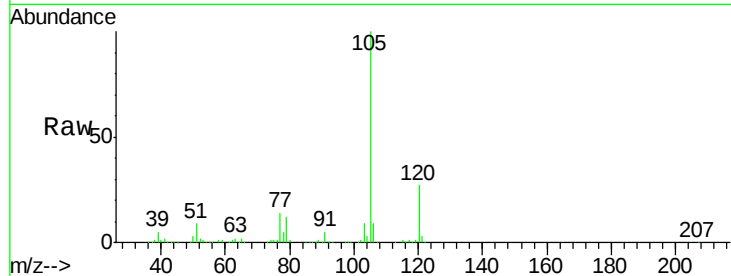
VSTDICCC050

Tgt Ion:105 Resp: 670882

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



#74

N-ethyl acetate

Concen: 43.367 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Tgt Ion: 43 Resp: 164675

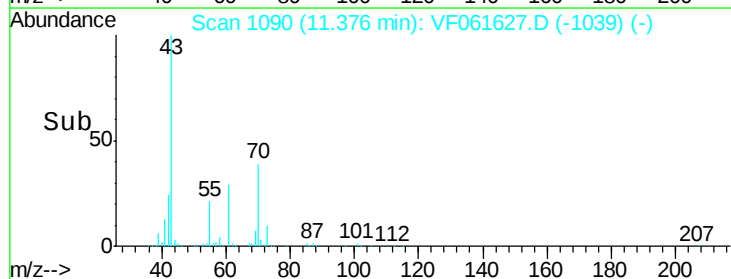
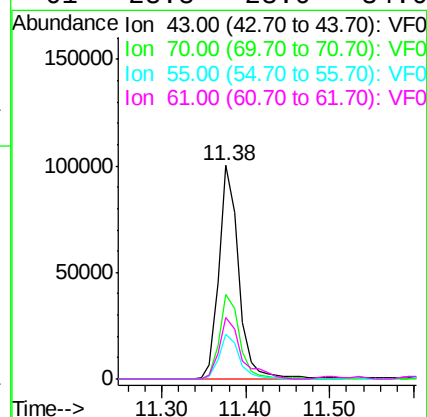
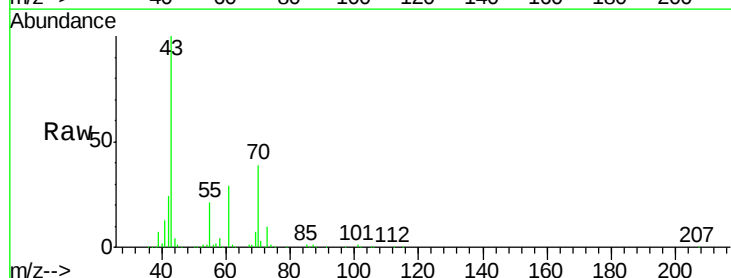
Ion Ratio Lower Upper

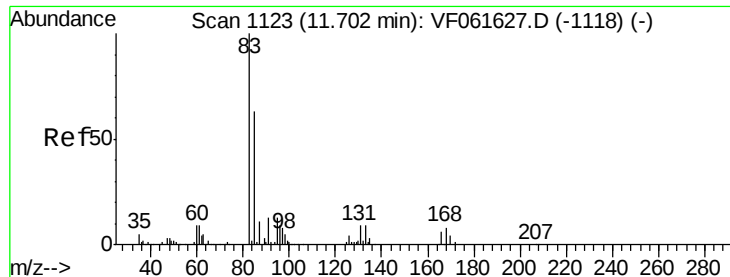
43 100

70 39.4 31.5 47.3

55 20.9 16.7 25.1

61 28.8 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 42.905 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

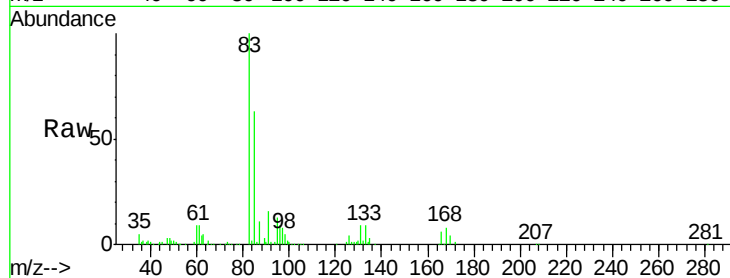
Tgt Ion: 83 Resp: 120778

Ion Ratio Lower Upper

83 100

131 8.8 4.4 13.2

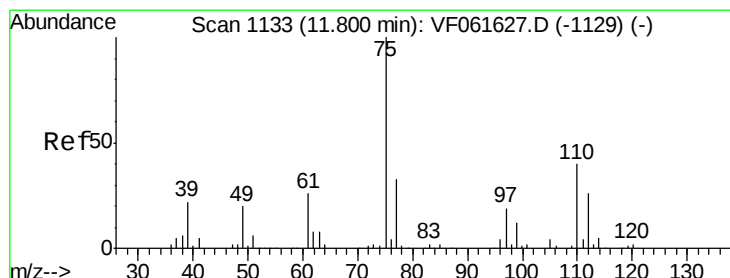
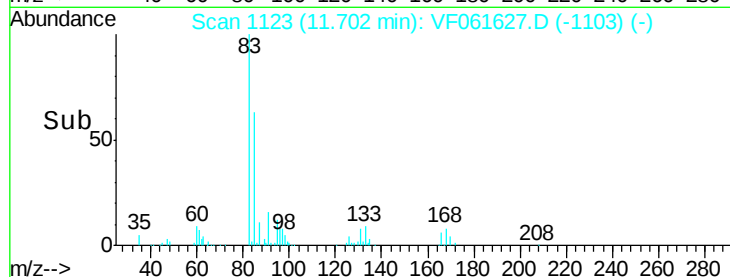
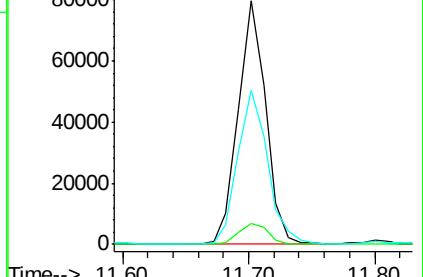
85 63.0 31.5 94.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 41.053 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF061627.D

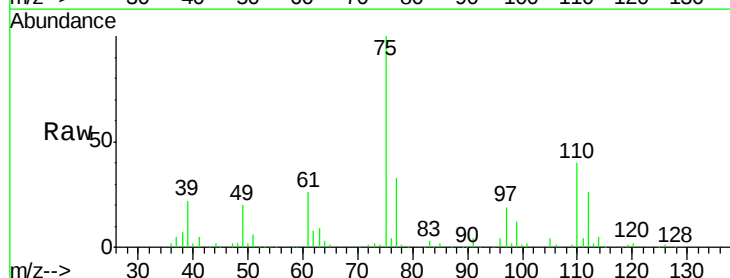
Acq: 13 Feb 2019 17:34

Tgt Ion: 75 Resp: 82107

Ion Ratio Lower Upper

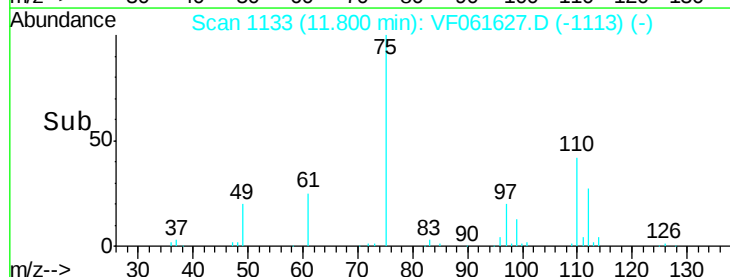
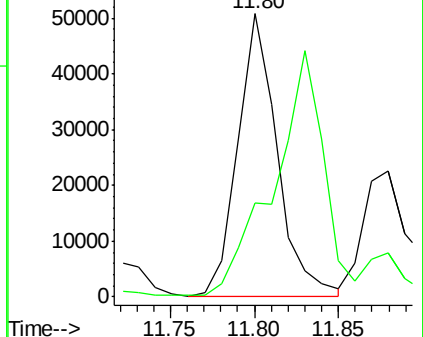
75 100

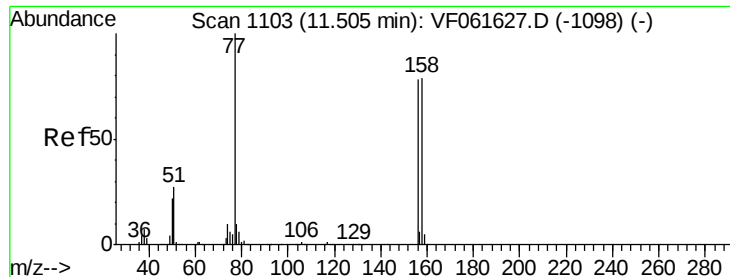
77 33.1 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.417 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

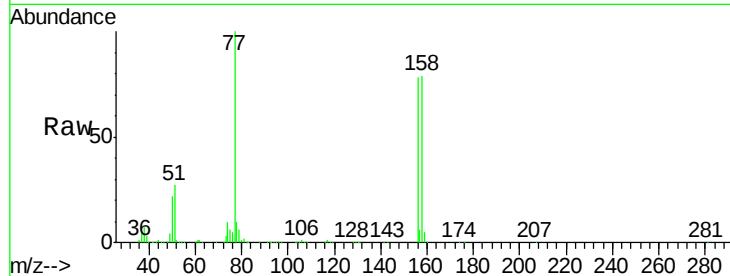
Tgt Ion:156 Resp: 160645

Ion Ratio Lower Upper

156 100

77 128.5 64.3 192.7

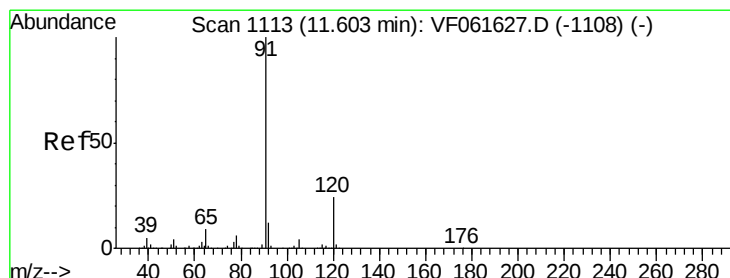
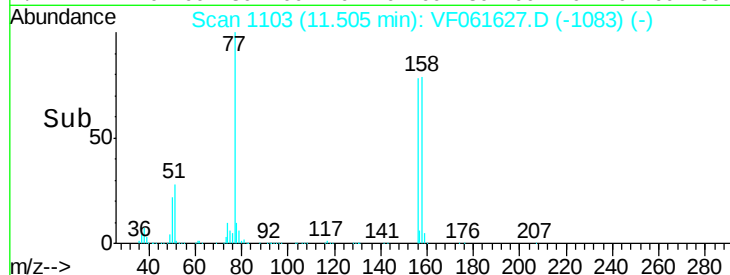
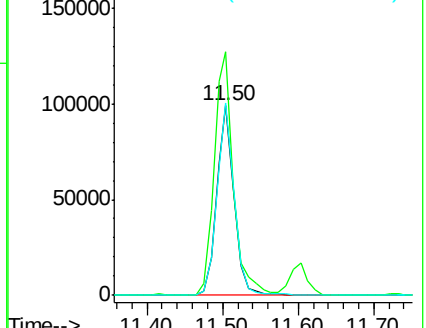
158 101.8 50.9 152.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 41.894 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF061627.D

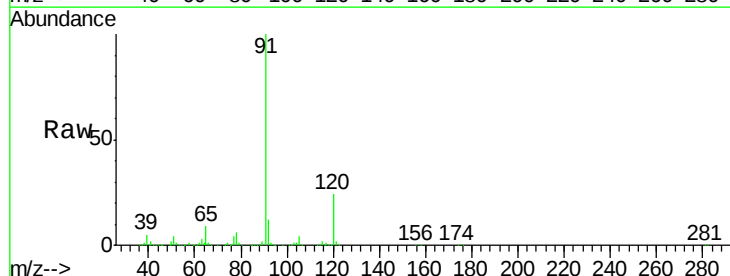
Acq: 13 Feb 2019 17:34

Tgt Ion: 91 Resp: 758912

Ion Ratio Lower Upper

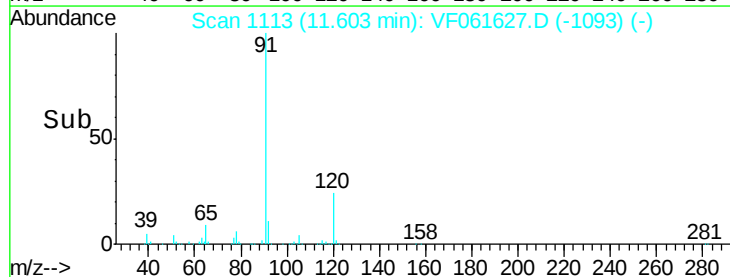
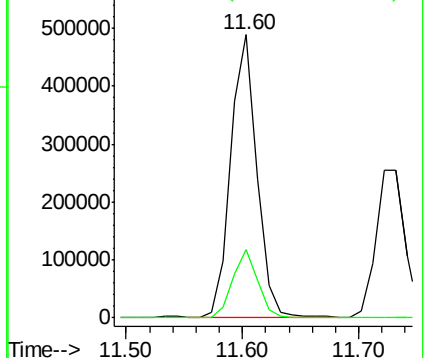
91 100

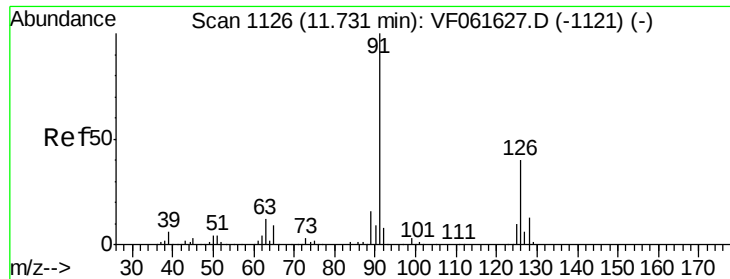
120 24.2 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

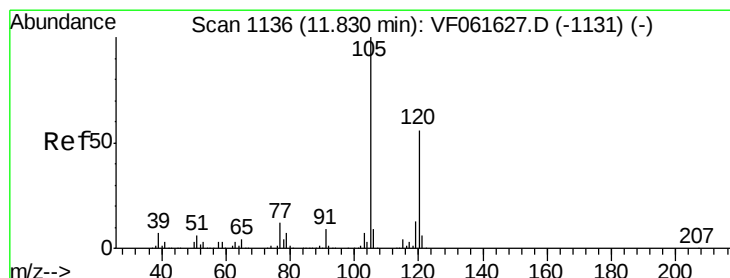
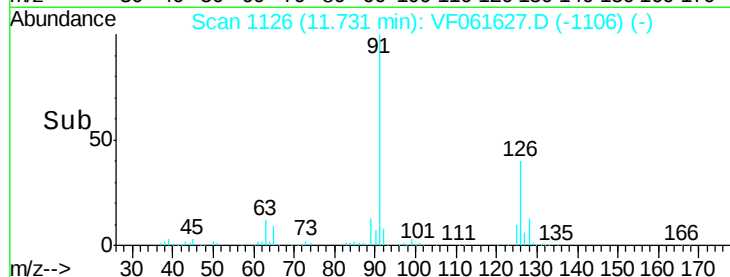
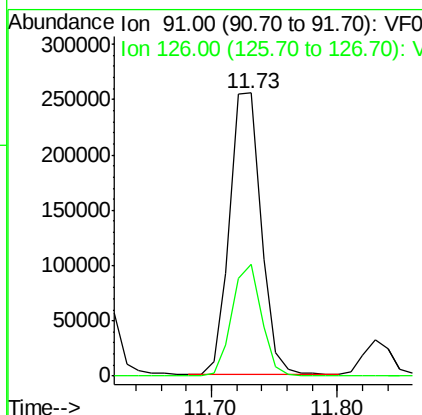
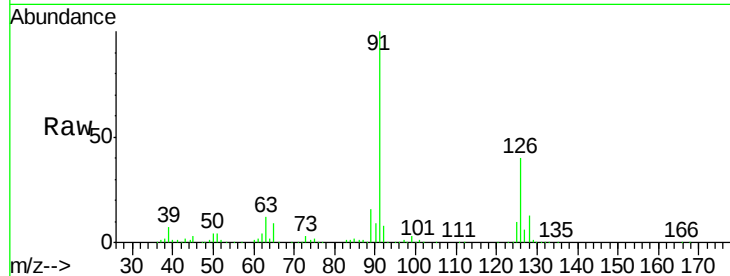




#79
 2-Chlorotoluene
 Concen: 42.670 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

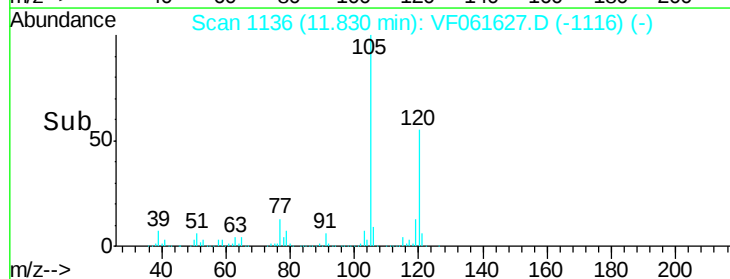
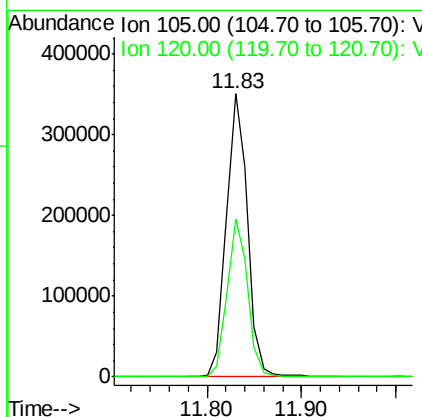
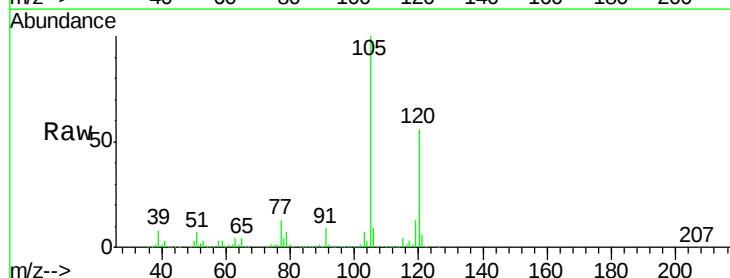
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

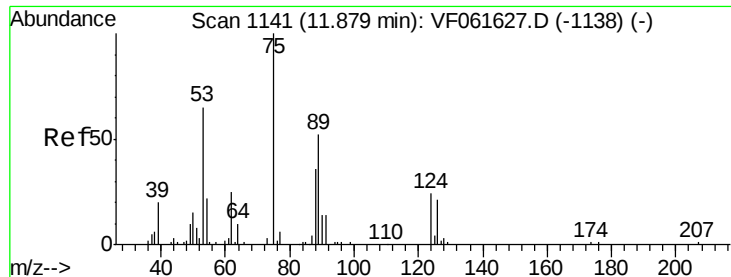
Tgt Ion: 91 Resp: 440142
 Ion Ratio Lower Upper
 91 100
 126 39.6 19.8 59.4



#80
 1,3,5-Trimethylbenzene
 Concen: 43.460 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

Tgt Ion: 105 Resp: 540693
 Ion Ratio Lower Upper
 105 100
 120 55.7 27.9 83.6

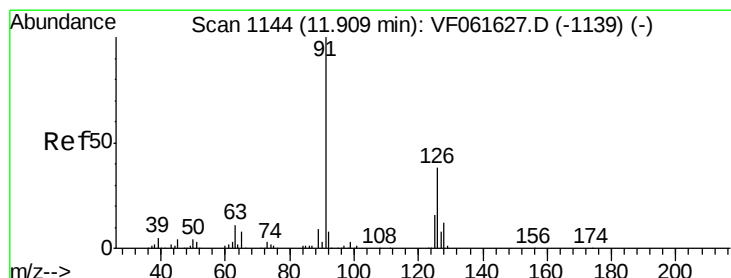
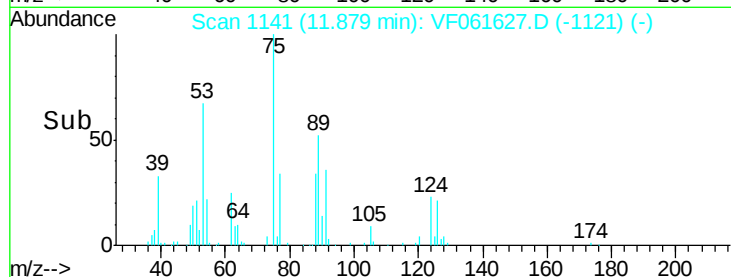
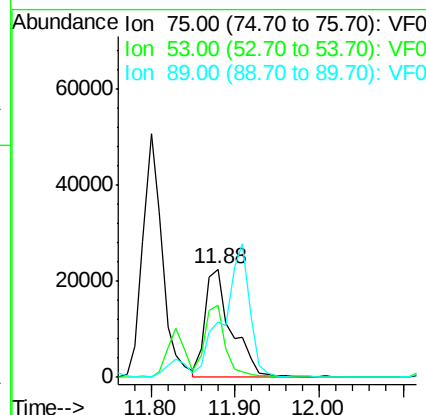
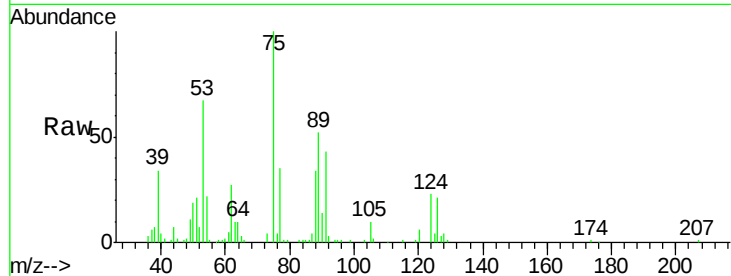




#81
trans-1,4-Dichloro-2-butene
Concen: 58.262 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

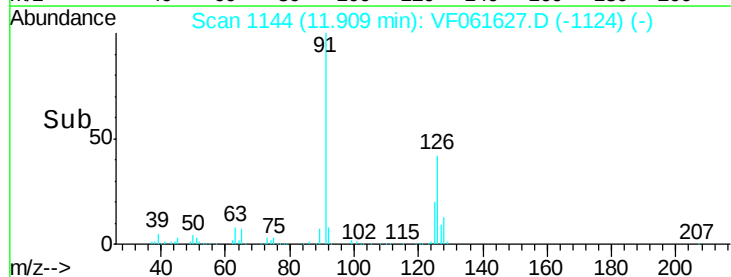
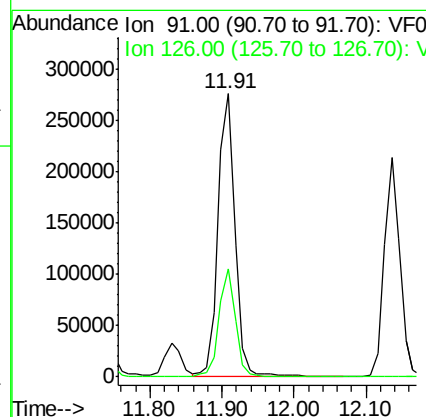
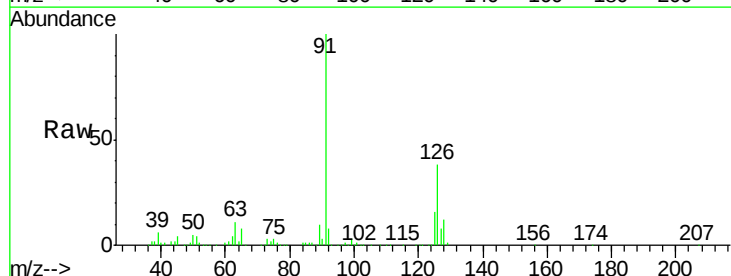
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

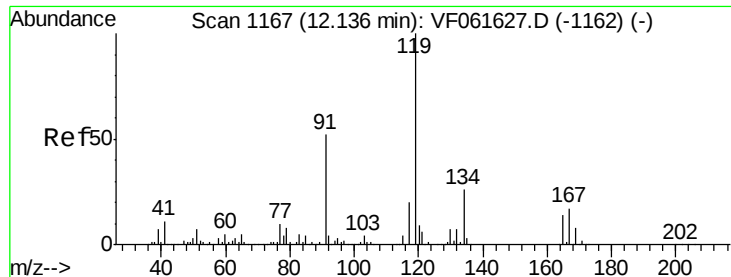
Tgt Ion: 75 Resp: 48709
Ion Ratio Lower Upper
75 100
53 67.1 53.7 80.5
89 52.0 41.6 62.4



#82
4-Chlorotoluene
Concen: 41.202 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion: 91 Resp: 441526
Ion Ratio Lower Upper
91 100
126 38.1 19.1 57.1

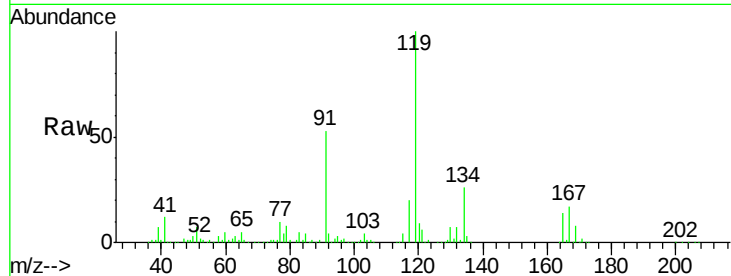




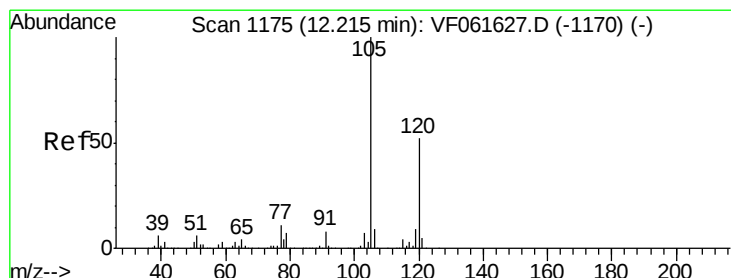
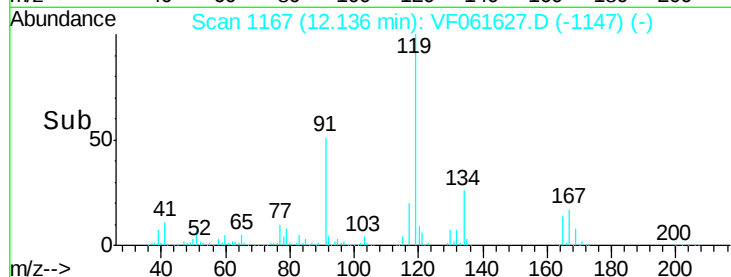
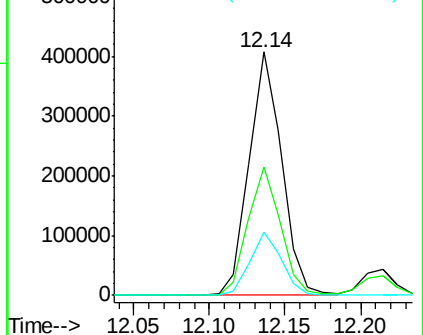
#83
tert-Butylbenzene
Concen: 48.300 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 617832
Ion Ratio Lower Upper
119 100
91 52.5 26.3 78.8
134 25.8 12.9 38.7

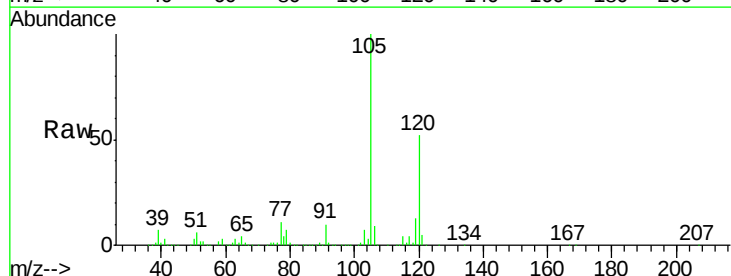


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

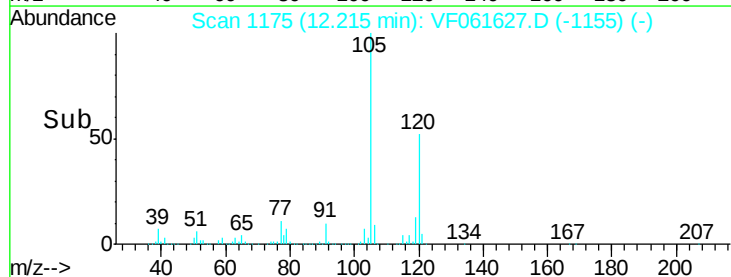
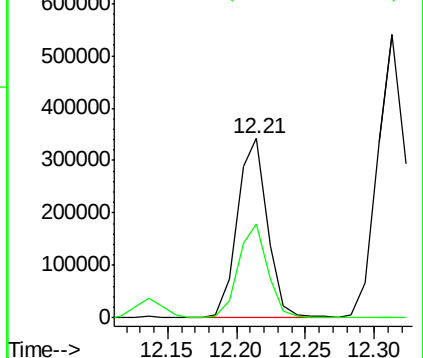


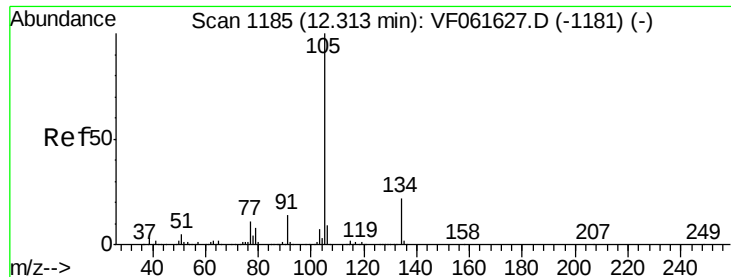
#84
1,2,4-Trimethylbenzene
Concen: 42.700 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VF061627.D
Acq: 13 Feb 2019 17:34

Tgt Ion:105 Resp: 521498
Ion Ratio Lower Upper
105 100
120 52.2 26.1 78.3



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

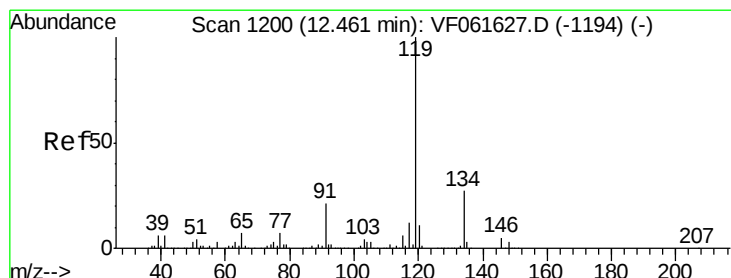
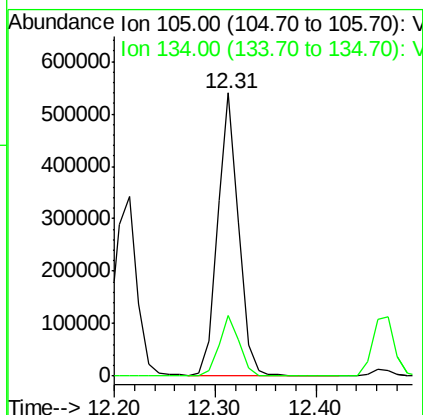
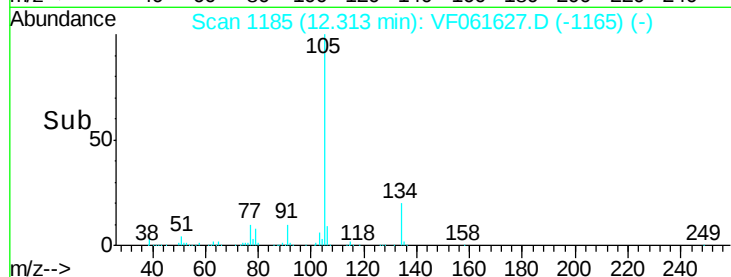
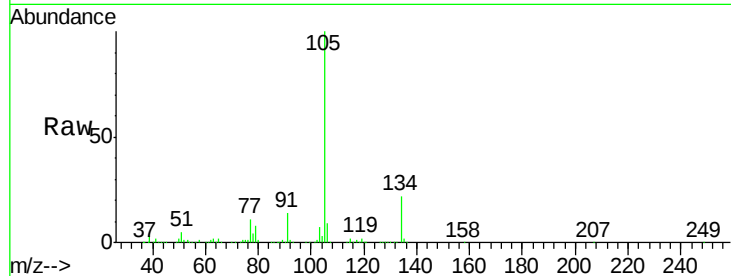




#85
 sec-Butylbenzene
 Concen: 45.616 ug/l
 RT: 12.31 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

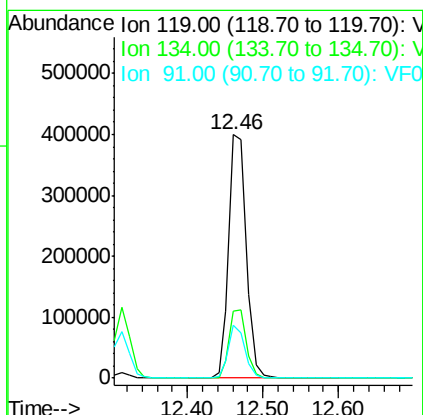
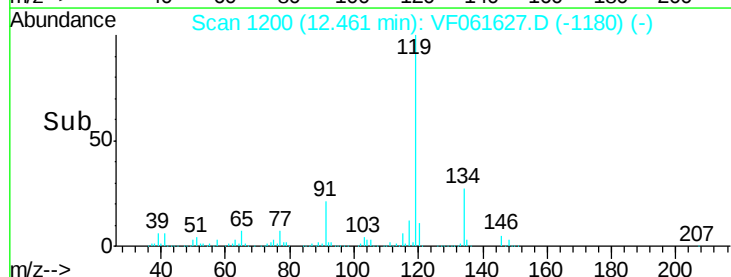
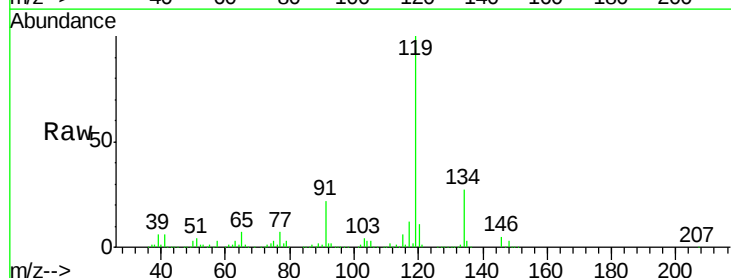
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

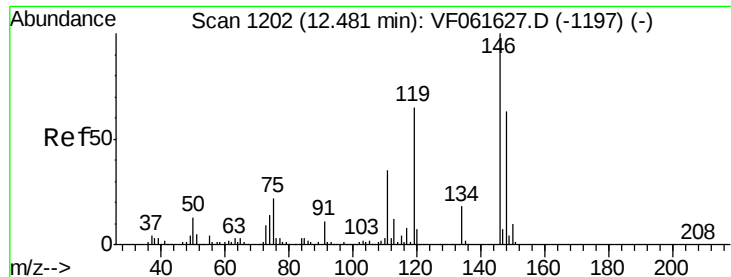
Tgt Ion:105 Resp: 779819
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 45.884 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

Tgt Ion:119 Resp: 641569
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.7 41.1
 91 21.6 10.8 32.4

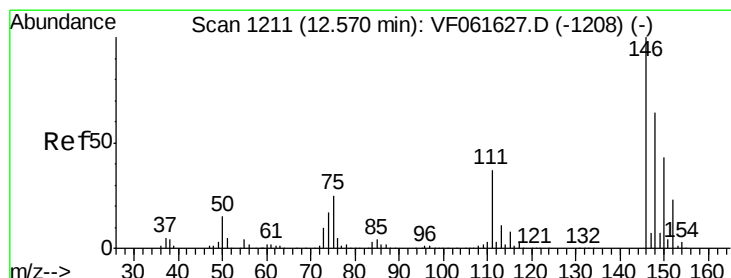
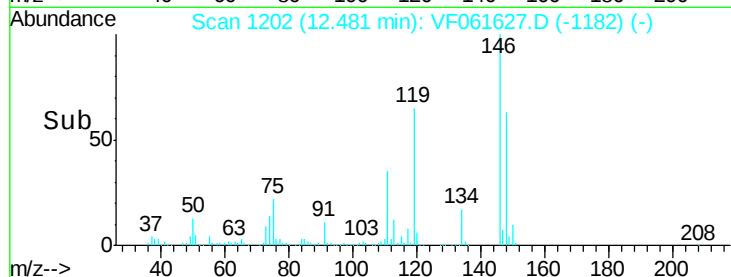
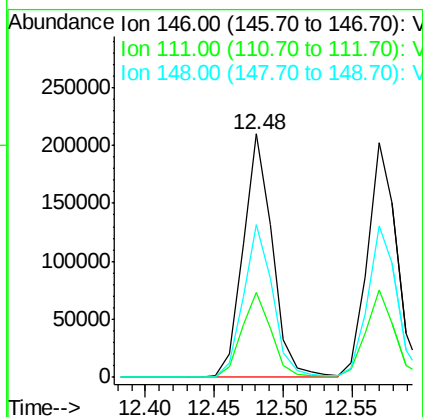
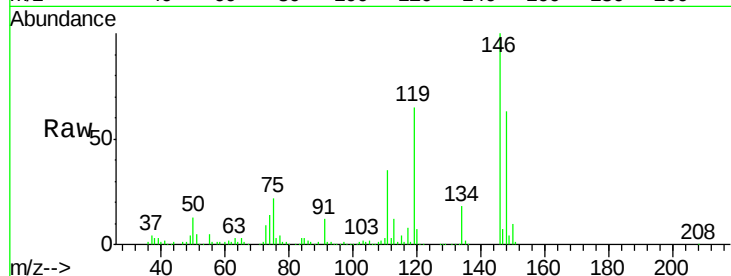




#87
 1,3-Dichlorobenzene
 Concen: 48.403 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

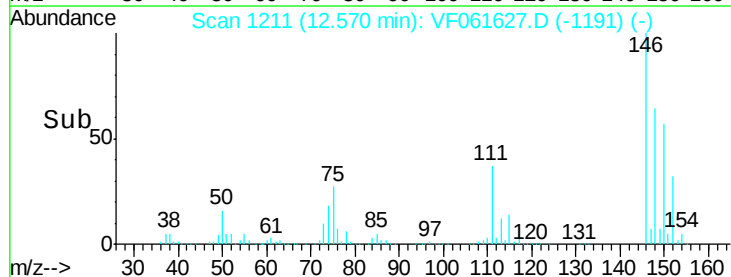
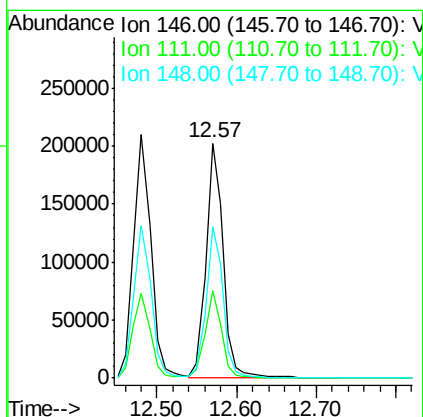
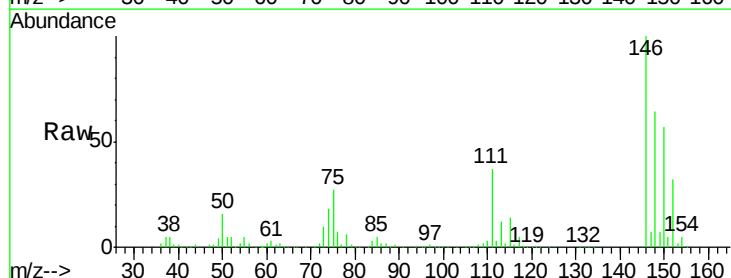
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

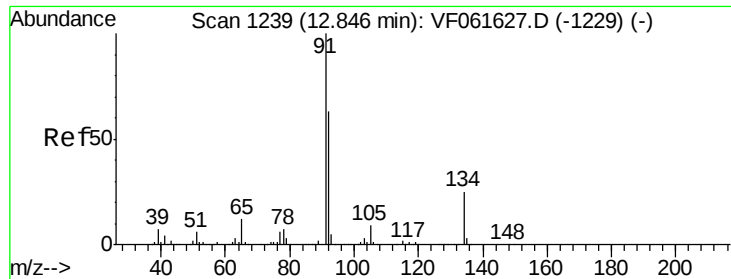
Tgt Ion:146 Resp: 312132
 Ion Ratio Lower Upper
 146 100
 111 35.1 17.5 52.6
 148 62.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 49.340 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF061627.D
 Acq: 13 Feb 2019 17:34

Tgt Ion:146 Resp: 302702
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.4 55.4
 148 64.4 32.2 96.6





#89

n-Butylbenzene

Concen: 42.960 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

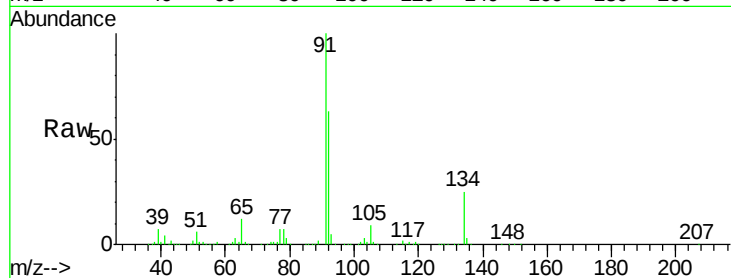
Tgt Ion: 91 Resp: 608359

Ion Ratio Lower Upper

91 100

92 62.9 31.4 94.3

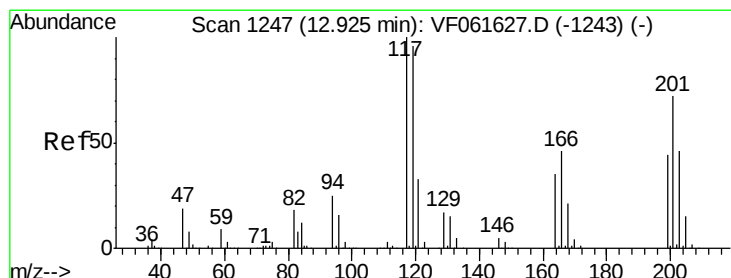
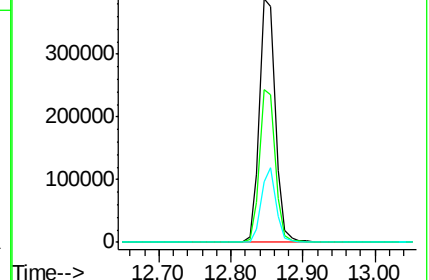
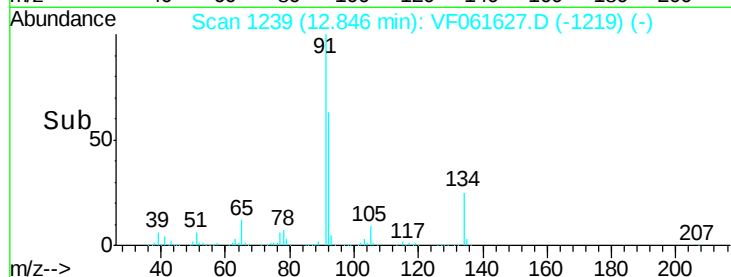
134 24.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 44.349 ug/l

RT: 12.92 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VF061627.D

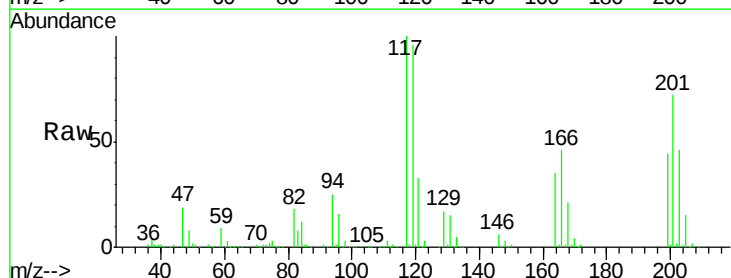
Acq: 13 Feb 2019 17:34

Tgt Ion: 117 Resp: 157279

Ion Ratio Lower Upper

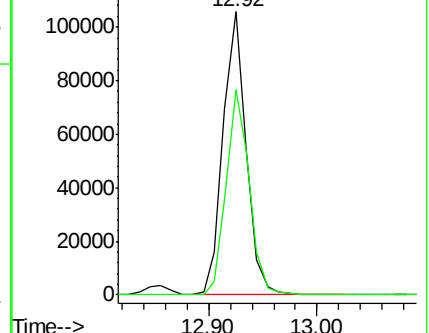
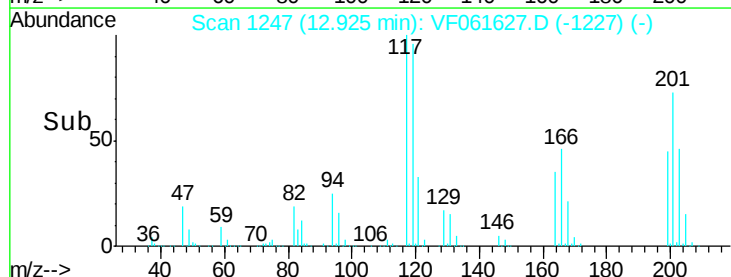
117 100

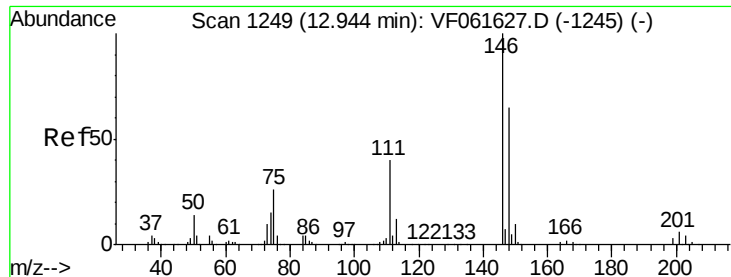
201 72.4 36.2 108.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 50.237 ug/l

RT: 12.94 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

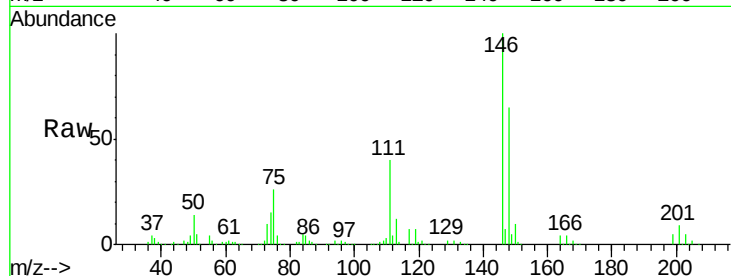
Tgt Ion: 146 Resp: 301751

Ion Ratio Lower Upper

146 100

111 40.3 20.2 60.5

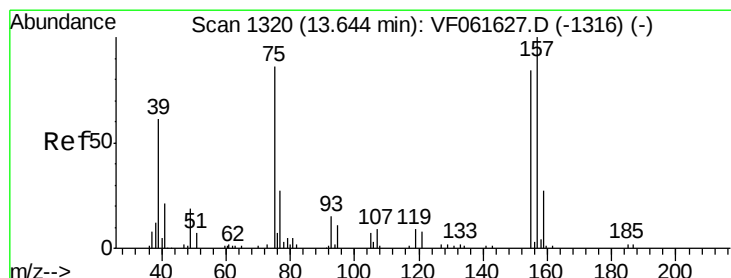
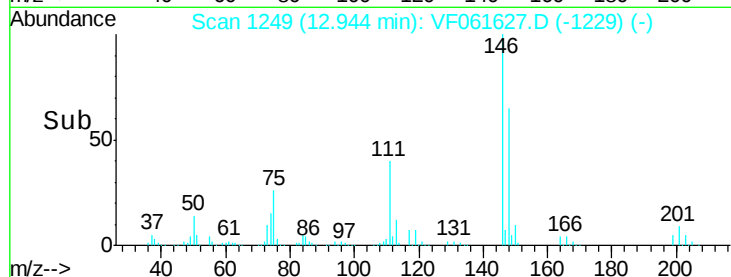
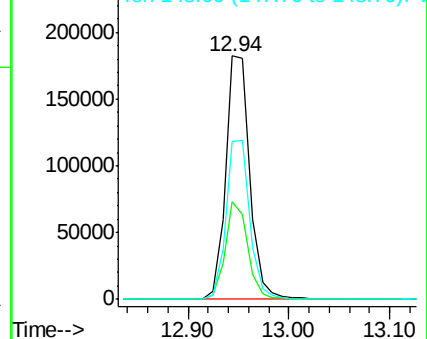
148 64.6 32.3 96.9



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: 41.578 ug/l

RT: 13.64 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

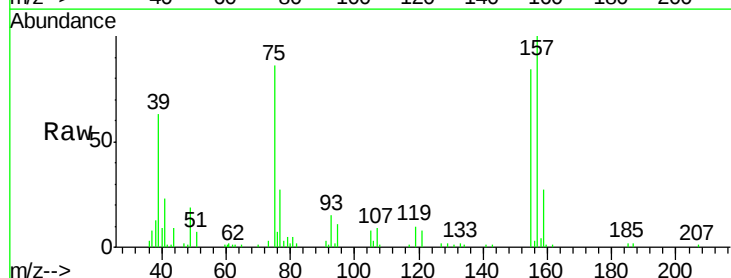
Tgt Ion: 75 Resp: 20293

Ion Ratio Lower Upper

75 100

155 97.9 48.9 146.8

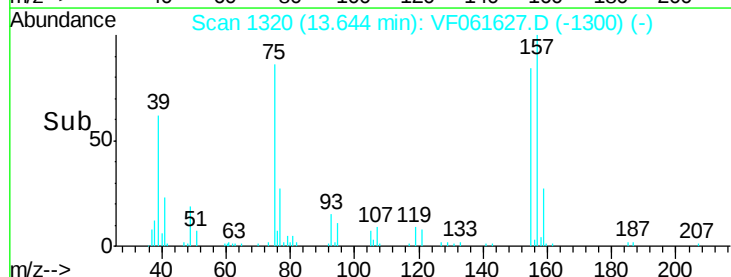
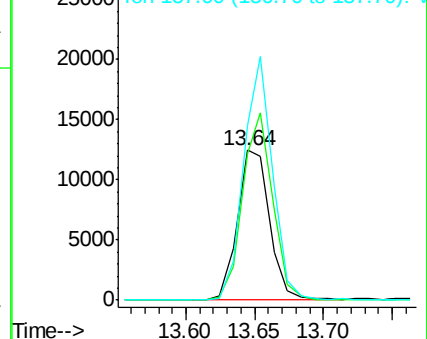
157 116.5 58.3 174.8

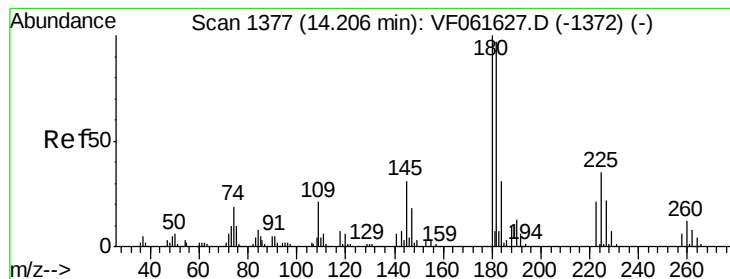


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 51.404 ug/l

RT: 14.21 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

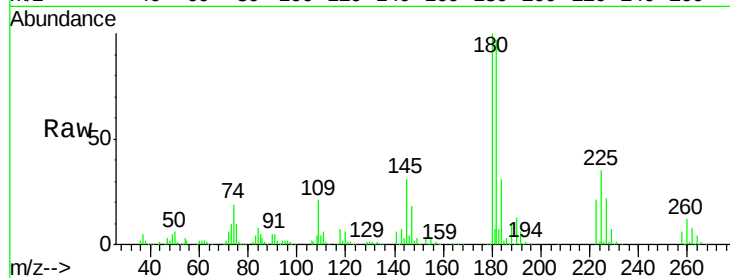
Tgt Ion:180 Resp: 216801

Ion Ratio Lower Upper

180 100

182 97.3 48.6 145.9

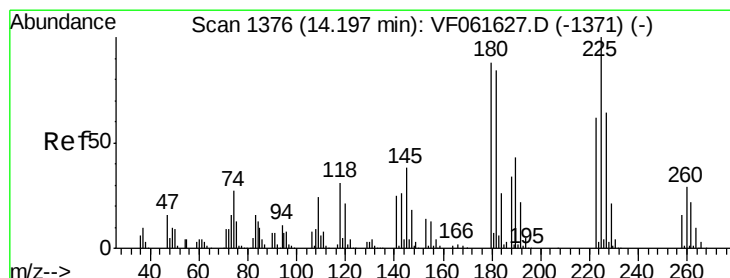
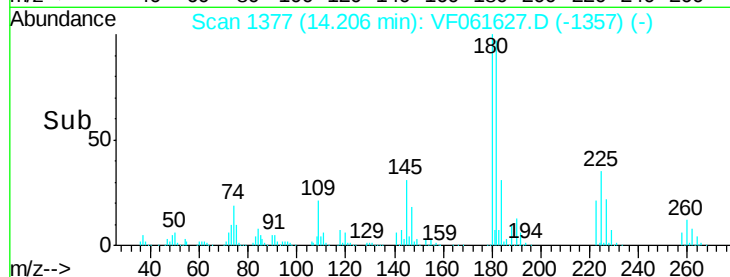
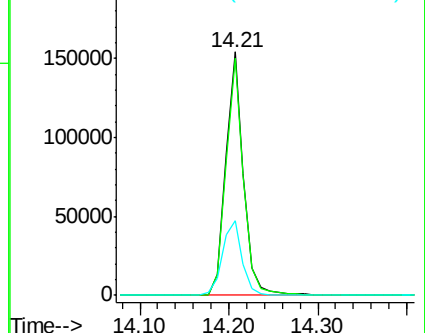
145 30.6 15.3 45.9



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: 52.435 ug/l

RT: 14.20 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

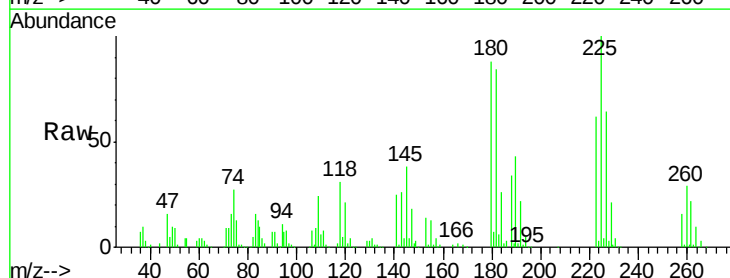
Tgt Ion:225 Resp: 136432

Ion Ratio Lower Upper

225 100

223 61.8 30.9 92.7

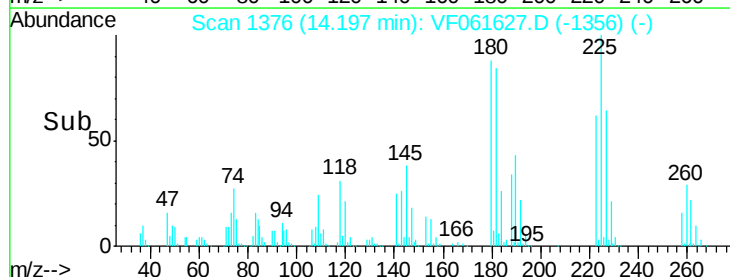
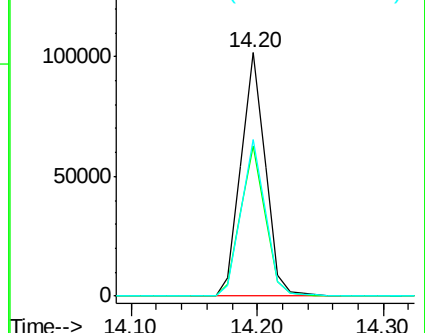
227 64.2 32.1 96.3

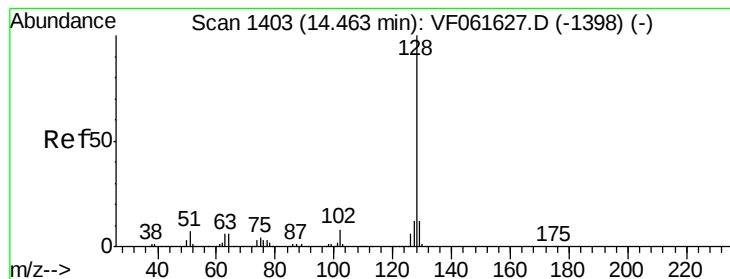


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 49.913 ug/l

RT: 14.46 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

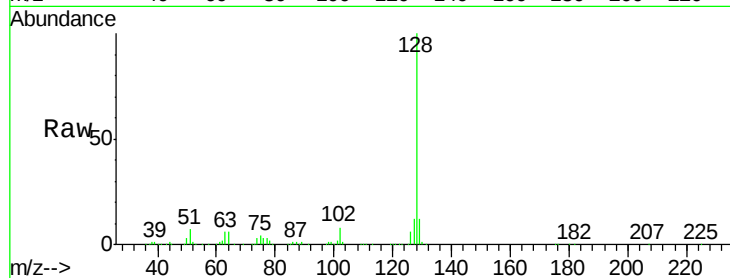
Tgt Ion:128 Resp: 397979

Ion Ratio Lower Upper

128 100

127 12.2 9.8 14.6

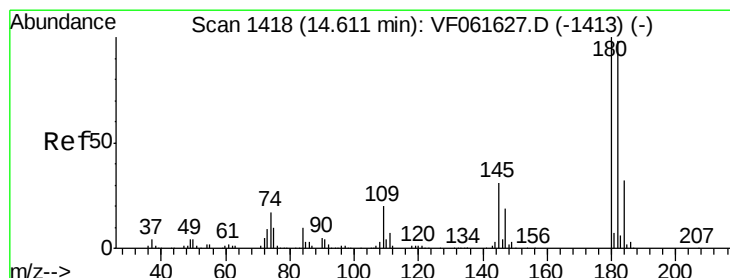
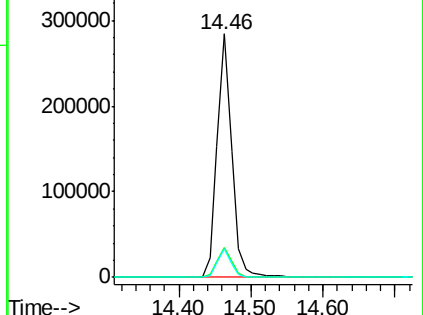
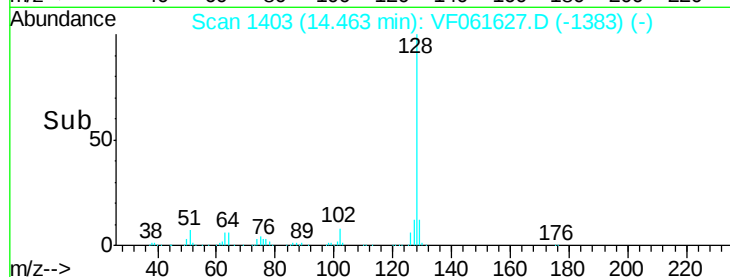
129 11.8 9.4 14.2



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: 54.883 ug/l

RT: 14.61 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VF061627.D

Acq: 13 Feb 2019 17:34

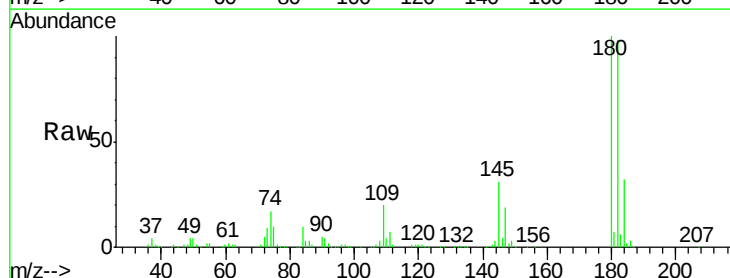
Tgt Ion:180 Resp: 207925

Ion Ratio Lower Upper

180 100

182 98.1 49.0 147.2

145 30.7 15.4 46.1



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

