

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\
 Data File : VF061534.D
 Acq On : 28 Jan 2019 11:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 29 03:51:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	210610	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	360586	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	309054	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	142671	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	111073	42.72	ug/l	-0.01
Spiked Amount			Recovery	=	85.44%	
35) Dibromofluoromethane	4.09	113	127913	44.96	ug/l	-0.01
Spiked Amount			Recovery	=	89.92%	
50) Toluene-d8	7.53	98	359703	46.14	ug/l	-0.01
Spiked Amount			Recovery	=	92.28%	
62) 4-Bromofluorobenzene	11.40	95	143884	39.50	ug/l	0.00
Spiked Amount			Recovery	=	79.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	173117	41.834	ug/l	88
3) Chloromethane	1.10	50	133657	44.049	ug/l	93
4) Vinyl Chloride	1.13	62	123466	45.743	ug/l	100
5) Bromomethane	1.32	94	91025	51.716	ug/l	92
6) Chloroethane	1.39	64	60480	50.569	ug/l	92
7) Trichlorofluoromethane	1.48	101	213188	40.629	ug/l	95
8) Diethyl Ether	1.62	74	34102	50.721	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	111830	44.354	ug/l	91
10) Methyl Iodide	1.91	142	144874	37.064	ug/l	96
11) Tert butyl alcohol	2.56	59	24165	219.554	ug/l	98
12) 1,1-Dichloroethene	1.79	96	93646	49.994	ug/l	80
13) Acrolein	1.99	56	21763	230.406	ug/l	89
14) Allyl chloride	2.09	41	132364	64.131	ug/l	89
15) Acrylonitrile	2.93	53	63546	225.397	ug/l	91
16) Acetone	2.23	43	133679	256.266	ug/l	100
17) Carbon Disulfide	1.80	76	194852	33.361	ug/l #	91
18) Methyl Acetate	2.33	43	49351	47.705	ug/l	97
19) Methyl tert-butyl Ether	2.41	73	176092	41.936	ug/l	99
20) Methylene Chloride	2.17	84	33970	18.062	ug/l	89
21) trans-1,2-Dichloroethene	2.29	96	82463	40.013	ug/l	92
22) Diisopropyl ether	2.79	45	318580	47.792	ug/l	97
23) Vinyl Acetate	3.17	43	740885	252.655	ug/l	100
24) 1,1-Dichloroethane	2.86	63	187128	44.728	ug/l	98
25) 2-Butanone	4.32	43	225960	260.483	ug/l	95
26) 2,2-Dichloropropane	3.58	77	112919	43.930	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	147902	48.616	ug/l	98
28) Bromochloromethane	3.70	49	88574	47.099	ug/l #	92
29) Tetrahydrofuran	4.05	42	89046	238.394	ug/l	98
30) Chloroform	3.83	83	268461	47.547	ug/l	94
31) Cyclohexane	3.67	56	114956	27.507	ug/l	90
32) 1,1,1-Trichloroethane	4.07	97	159333	38.486	ug/l	98
36) 1,1-Dichloropropene	4.26	75	204361	48.881	ug/l	97
37) Ethyl Acetate	4.09	43	76545	45.802	ug/l #	75
38) Carbon Tetrachloride	3.97	117	159305	43.585	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	209089	46.148	ug/l	95
40) Benzene	4.61	78	442543	47.570	ug/l	99
41) Methacrylonitrile	4.72	41	43344	48.742	ug/l	97
42) 1,2-Dichloroethane	4.92	62	154340	46.557	ug/l	98
43) Isopropyl Acetate	6.94	43	98750	47.080	ug/l #	96
44) Trichloroethene	5.48	130	131193	45.971	ug/l	94
45) 1,2-Dichloropropane	6.21	63	118906	48.700	ug/l	100
46) Dibromomethane	6.06	93	76464	47.098	ug/l	96
47) Bromodichloromethane	6.37	83	194203	48.346	ug/l	98
48) Methyl methacrylate	6.69	41	63177	44.855	ug/l	87
49) 1,4-Dioxane	6.68	88	9246	935.988	ug/l #	85
51) 4-Methyl-2-Pentanone	8.23	43	363060	235.450	ug/l	97
52) Toluene	7.60	92	291473	47.577	ug/l	100
53) t-1,3-Dichloropropene	8.26	75	152030	47.663	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	187329	46.985	ug/l	95
55) 1,1,2-Trichloroethane	8.47	97	78887	45.345	ug/l	92
56) Ethyl methacrylate	8.60	69	93245	46.069	ug/l	98
57) 1,3-Dichloropropane	8.83	76	142405	43.671	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.28	63	54316	255.261	ug/l	98
59) 2-Hexanone	9.48	43	268443	249.655	ug/l	98
60) Dibromochloromethane	8.70	129	115553	45.433	ug/l	99
61) 1,2-Dibromoethane	8.96	107	84446	42.401	ug/l	94
64) Tetrachloroethene	8.13	164	115838	49.842	ug/l	98
65) Chlorobenzene	9.78	112	312977	49.799	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	132195	52.801	ug/l	99
67) Ethyl Benzene	9.88	91	568719	49.529	ug/l	99
68) m/p-Xylenes	10.11	106	398194	96.416	ug/l	96
69) o-Xylene	10.70	106	220126	49.178	ug/l	88
70) Styrene	10.77	104	291216	47.529	ug/l	99
71) Bromoform	10.76	173	56325	50.071	ug/l #	99
73) Isopropylbenzene	11.10	105	636130	54.821	ug/l	97
74) N-amyl acetate	11.36	43	151676	55.279	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	104969	50.779	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	72681	48.932	ug/l	92
77) Bromobenzene	11.48	156	129610	52.889	ug/l	93
78) n-propylbenzene	11.58	91	744207	53.063	ug/l	99
79) 2-Chlorotoluene	11.71	91	415377	51.593	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	484348	51.723	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	47268	73.204	ug/l	99
82) 4-Chlorotoluene	11.88	91	412471	50.770	ug/l	99
83) tert-Butylbenzene	12.12	119	518013	53.446	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	499091	51.742	ug/l	98
85) sec-Butylbenzene	12.30	105	719940	54.697	ug/l	100
86) p-Isopropyltoluene	12.44	119	574877	53.205	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	236869	48.460	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	242475	52.361	ug/l	98
89) n-Butylbenzene	12.83	91	594298	53.333	ug/l	96
90) Hexachloroethane	12.91	117	147593	57.948	ug/l	92
91) 1,2-Dichlorobenzene	12.93	146	227970	49.729	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19526	53.255	ug/l	74

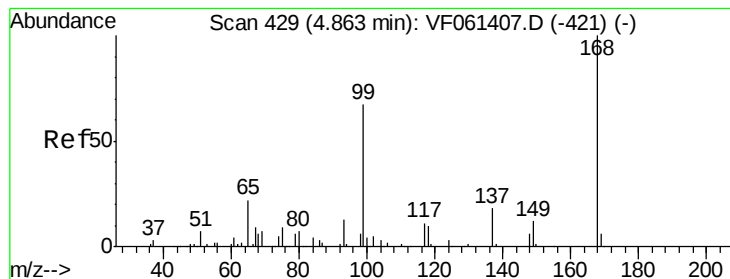
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	161321	50.234	ug/l	99
94) Hexachlorobutadiene	14.18	225	103144	51.760	ug/l	98
95) Naphthalene	14.45	128	318659	52.227	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	146904	49.416	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

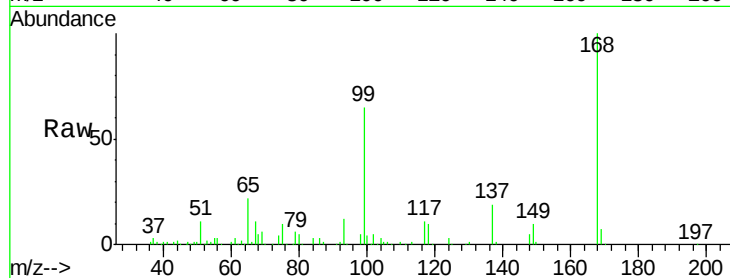
VSTDCCC050

Tot Ion:168 Resp: 210610

Ion Ratio Lower Upper

168 100

99 65.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

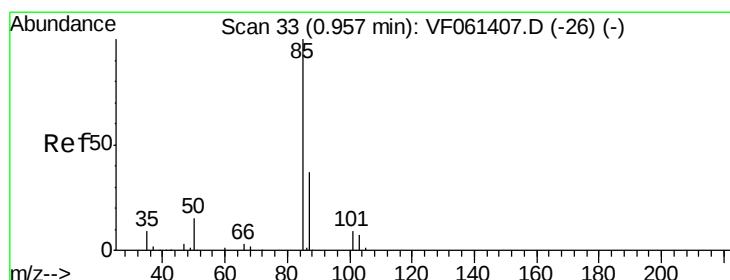
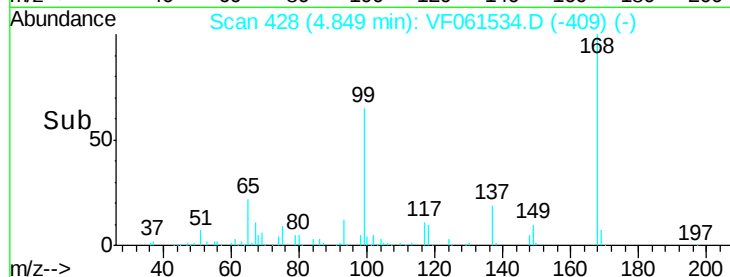
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 41.834 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061534.D

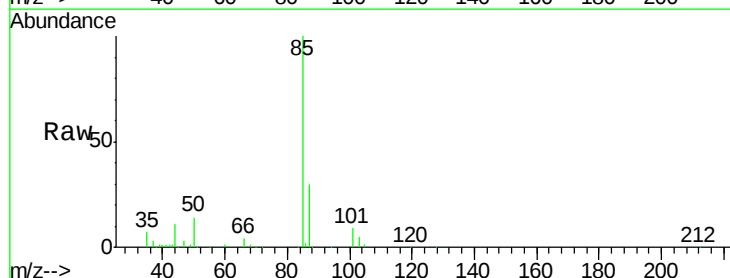
Acq: 28 Jan 2019 11:24

Tgt Ion: 85 Resp: 173117

Ion Ratio Lower Upper

85 100

87 29.9 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

30000

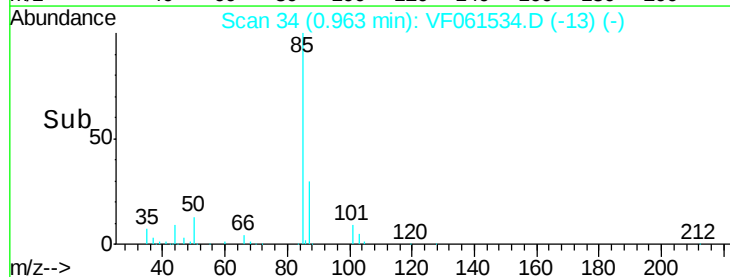
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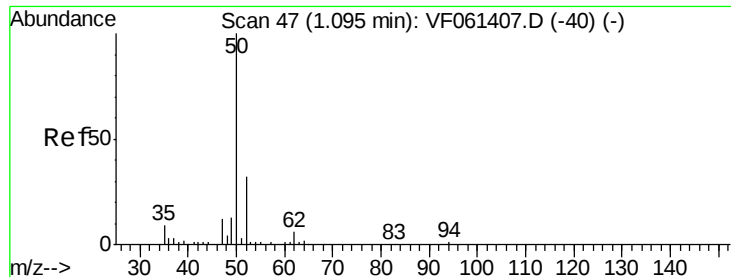
10000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 44.049 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

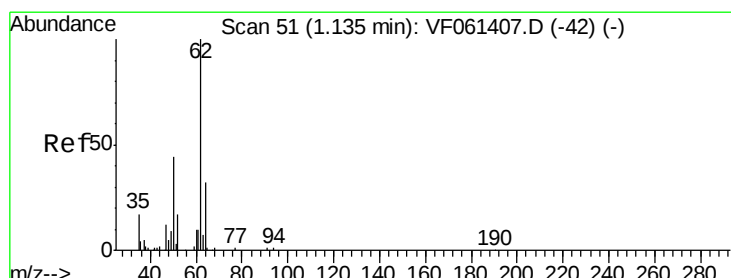
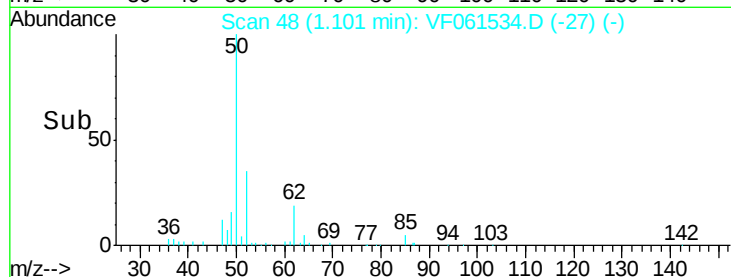
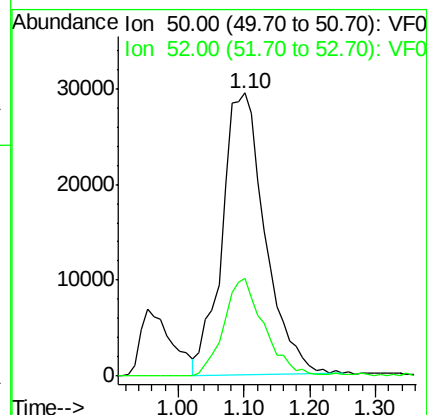
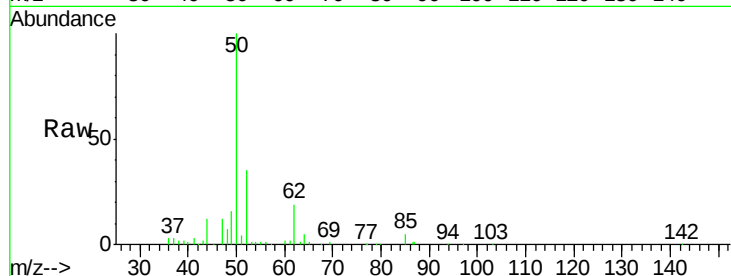
VSTDCCC050

Tot Ion: 50 Resp: 133657

Ion Ratio Lower Upper

50 100

52 34.8 24.6 36.8



#4

Vinyl Chloride

Concen: 45.743 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061534.D

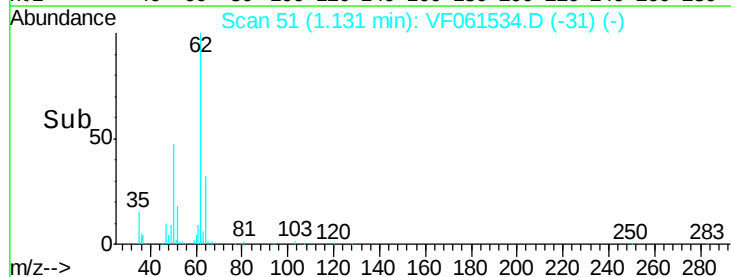
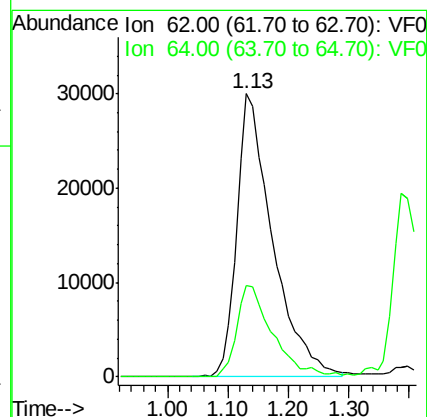
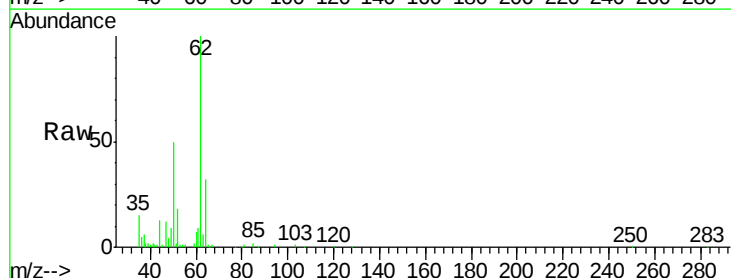
Acq: 28 Jan 2019 11:24

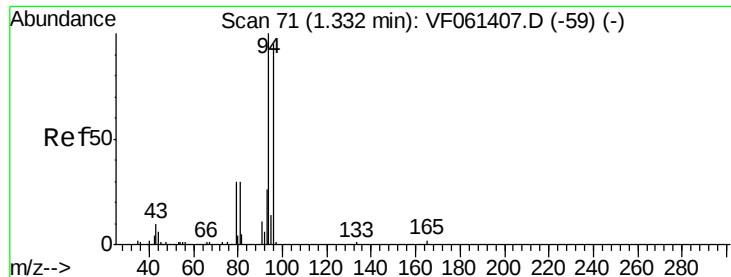
Tgt Ion: 62 Resp: 123466

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 51.716 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

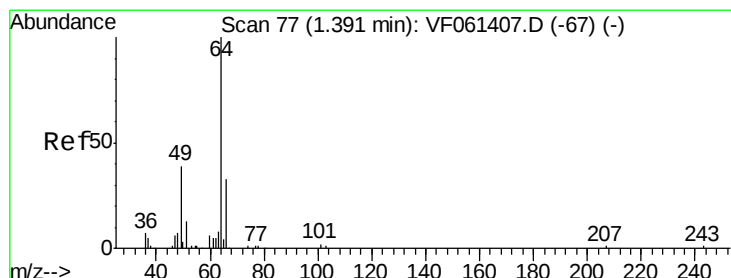
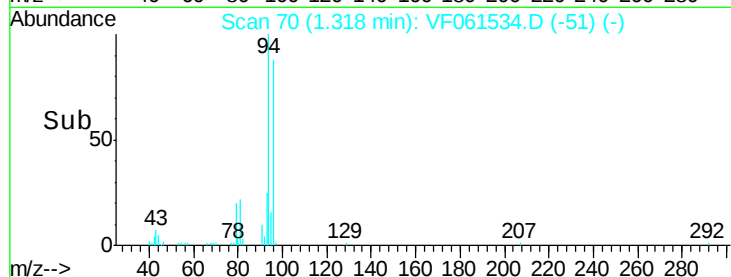
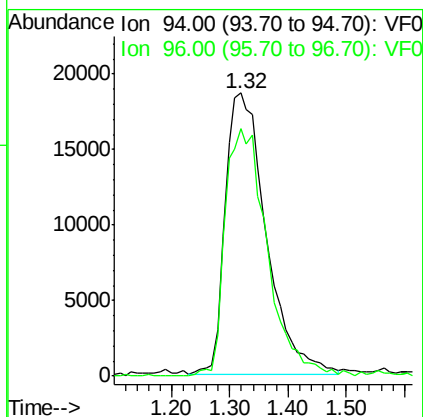
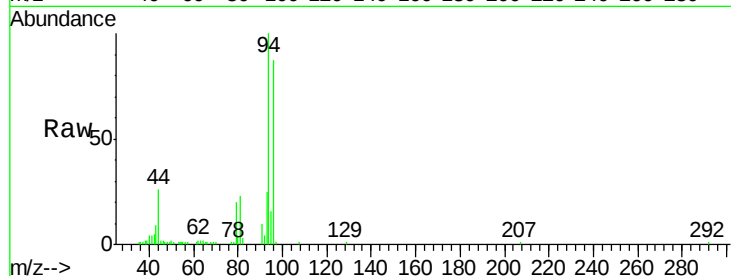
VSTDCCC050

Tot Ion: 94 Resp: 91025

Ion Ratio Lower Upper

94 100

96 87.2 76.0 114.0



#6

Chloroethane

Concen: 50.569 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061534.D

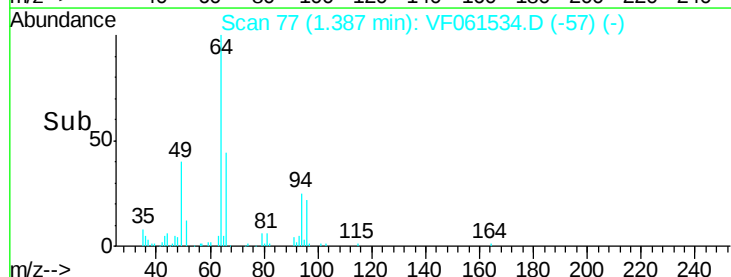
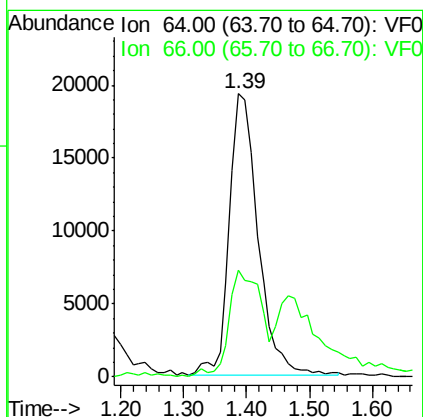
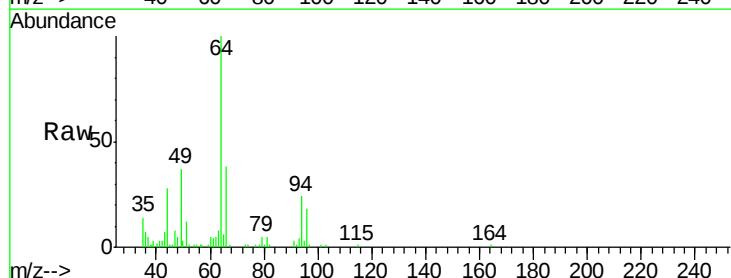
Acq: 28 Jan 2019 11:24

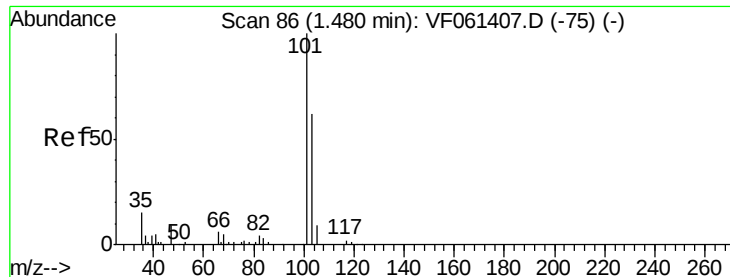
Tgt Ion: 64 Resp: 60480

Ion Ratio Lower Upper

64 100

66 37.6 26.6 40.0



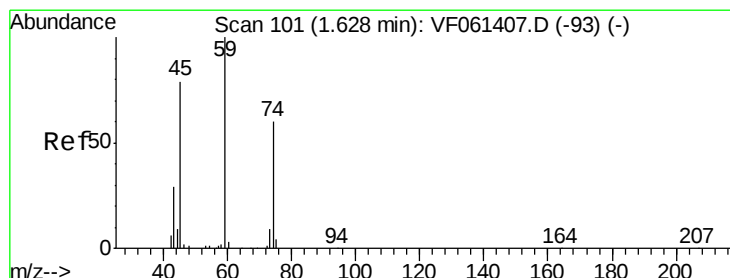
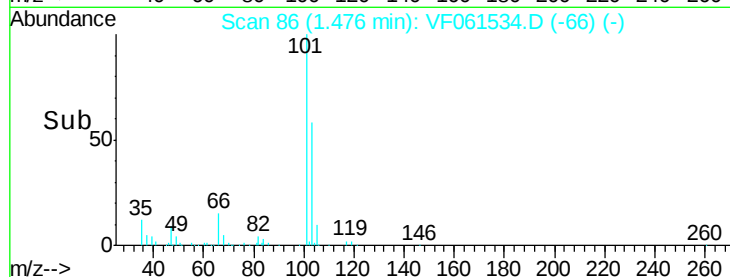
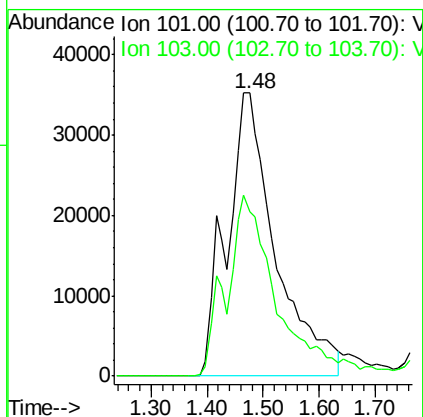
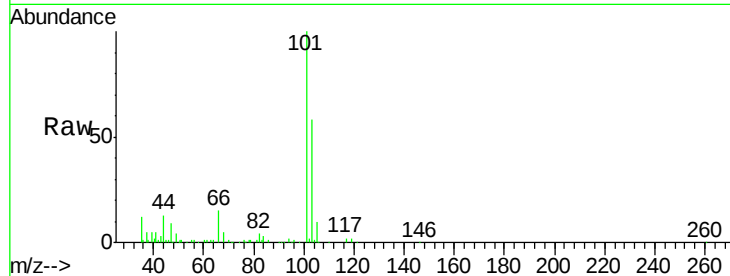


#7

Trichlorofluoromethane
 Concen: 40.629 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Instrument :
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 ClientSampleId :
 VSTDCCC050

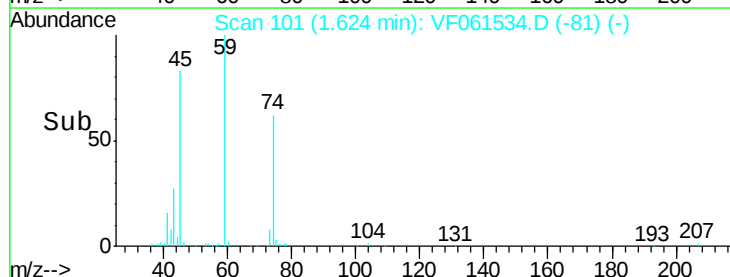
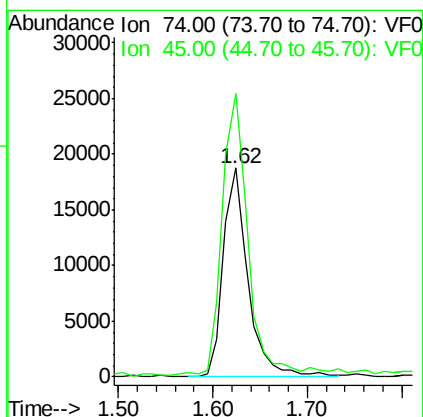
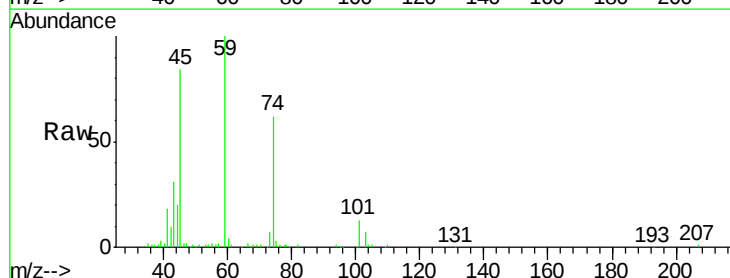
Tot Ion:101 Resp: 213188
 Ion Ratio Lower Upper
 101 100
 103 57.9 49.7 74.5

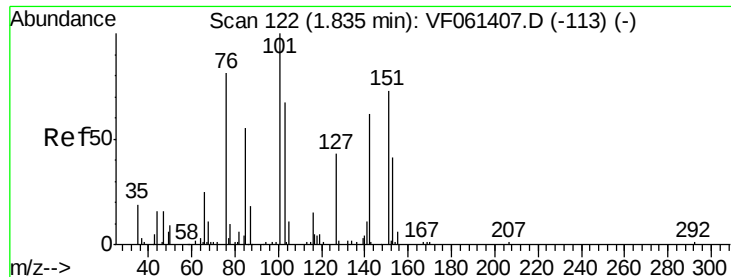


#8

Diethyl Ether
 Concen: 50.721 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion: 74 Resp: 34102
 Ion Ratio Lower Upper
 74 100
 45 135.7 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.354 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

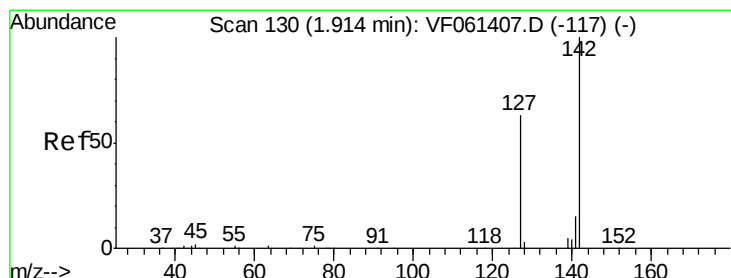
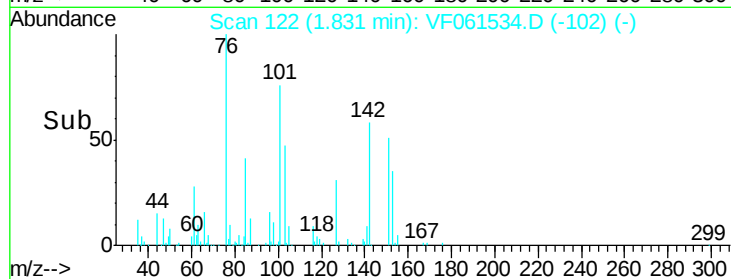
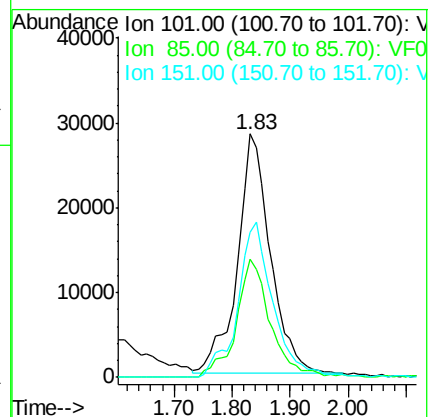
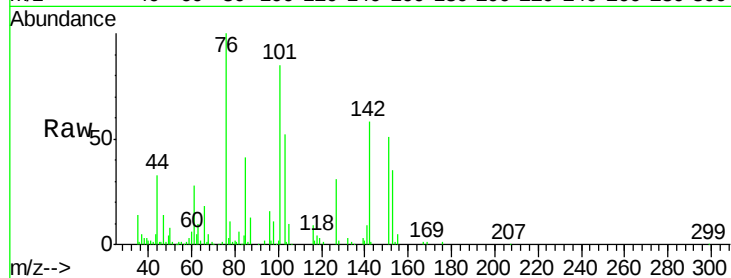
Tot Ion:101 Resp: 111830

Ion Ratio Lower Upper

101 100

85 48.3 41.9 62.9

151 59.4 55.1 82.7



#10

Methyl Iodide

Concen: 37.064 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

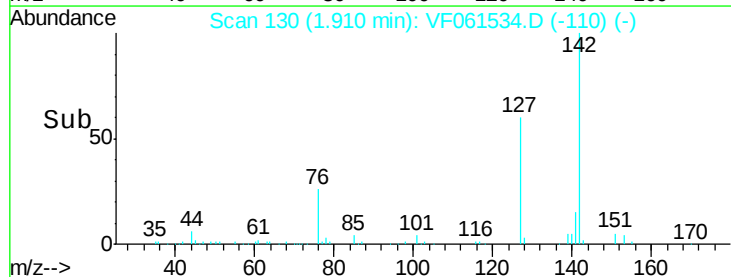
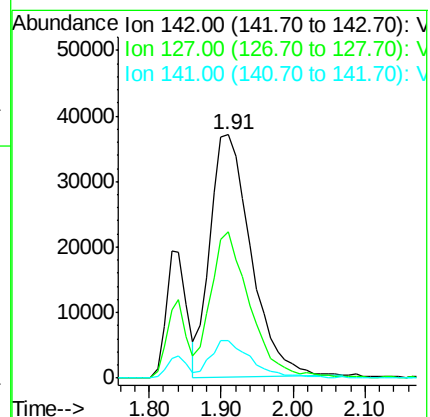
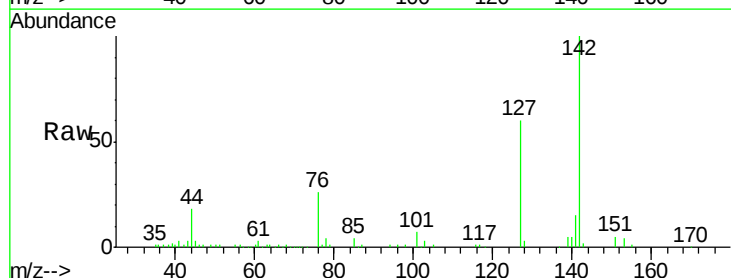
Tgt Ion:142 Resp: 144874

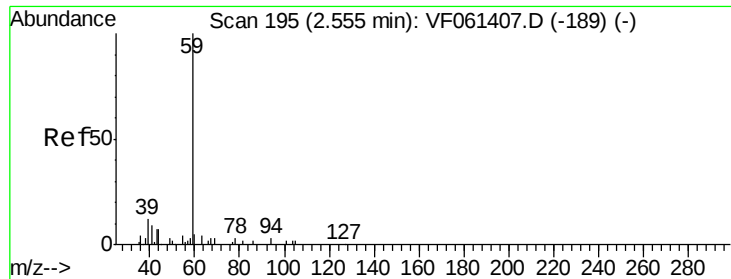
Ion Ratio Lower Upper

142 100

127 60.0 50.7 76.1

141 15.5 11.8 17.6



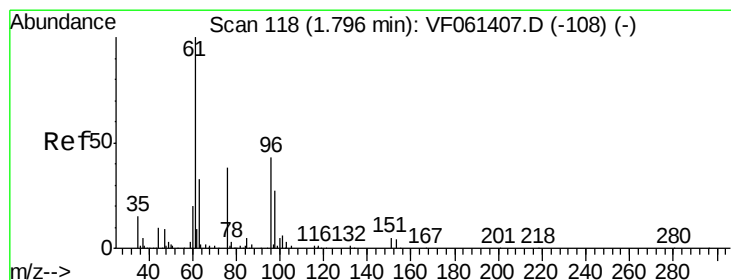
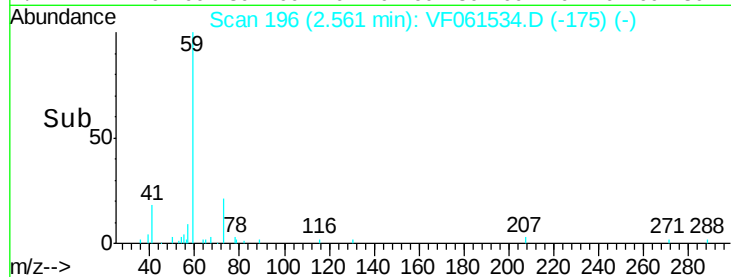
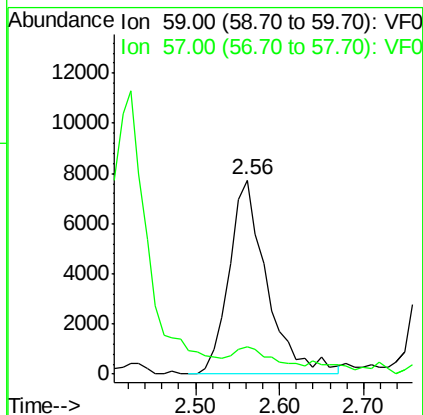
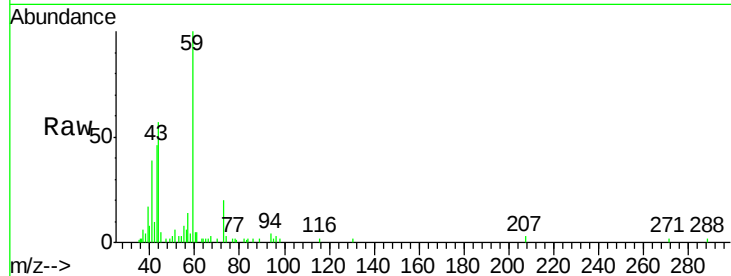


#11

Tert butyl alcohol
 Concen: 219.554 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

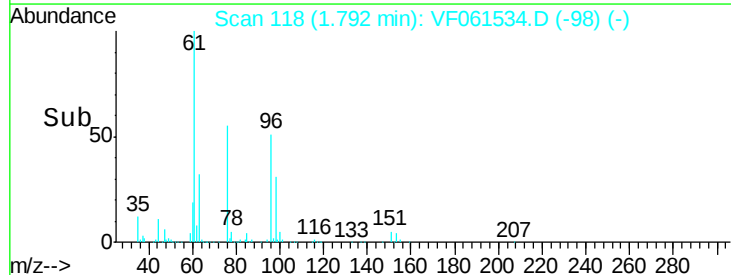
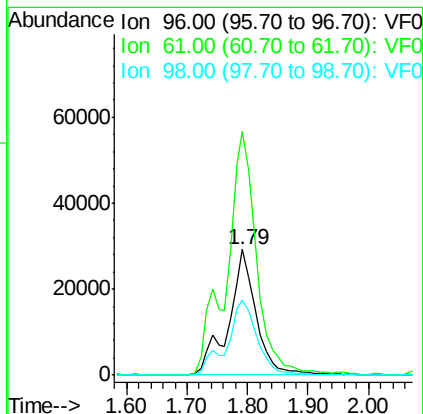
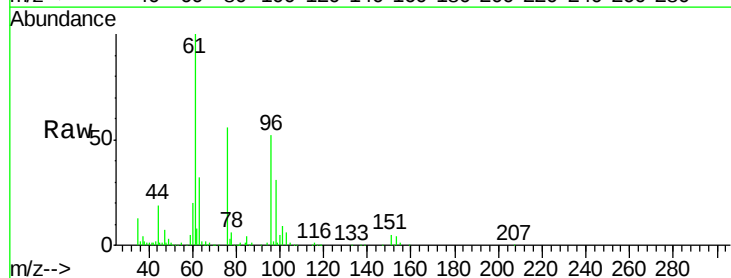
Tot Ion: 59 Resp: 24165
 Ion Ratio Lower Upper
 59 100
 57 14.1 11.9 17.9

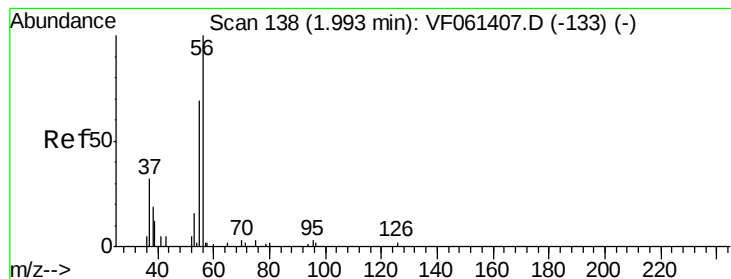


#12

1,1-Dichloroethene
 Concen: 49.994 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion: 96 Resp: 93646
 Ion Ratio Lower Upper
 96 100
 61 194.0 186.9 280.3
 98 59.8 53.0 79.4





#13

Acrolein

Concen: 230.406 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

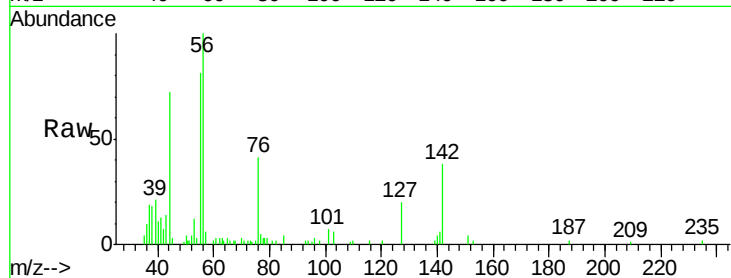
VSTDCCC050

Tot Ion: 56 Resp: 21763

Ion Ratio Lower Upper

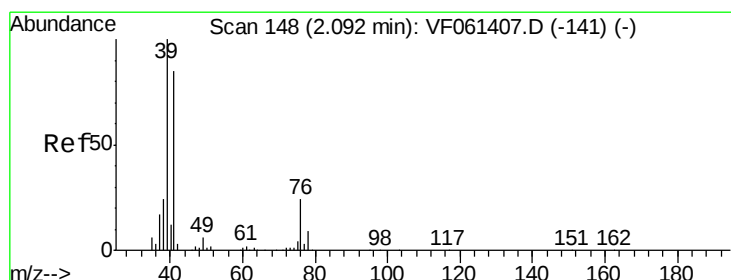
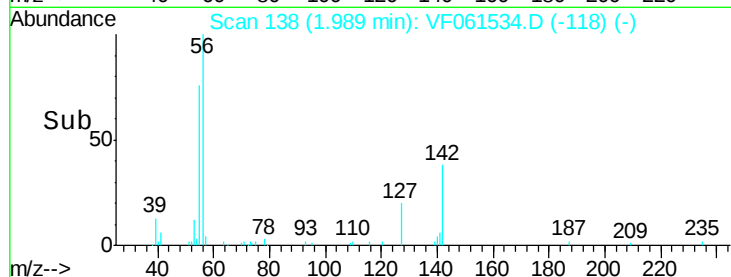
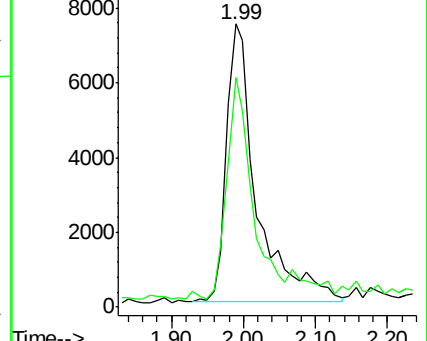
56 100

55 81.2 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 64.131 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

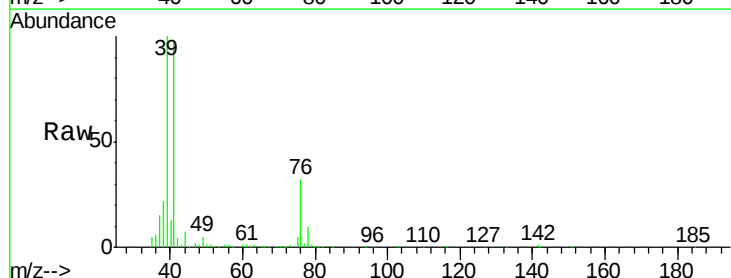
Tgt Ion: 41 Resp: 132364

Ion Ratio Lower Upper

41 100

39 102.9 94.6 141.8

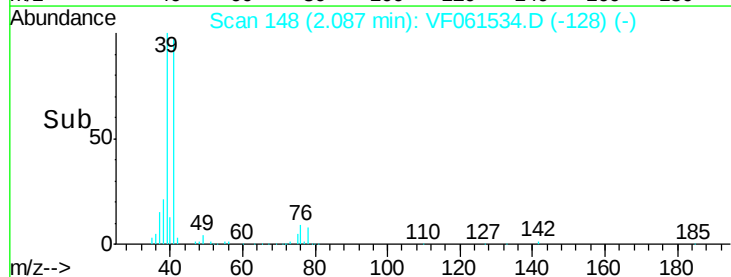
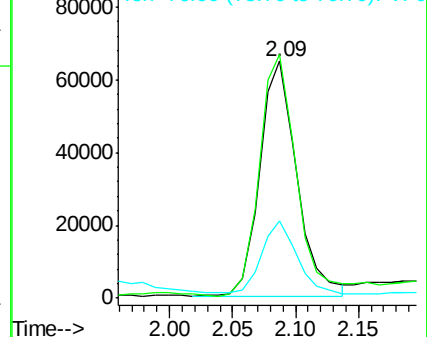
76 32.7 25.9 38.9

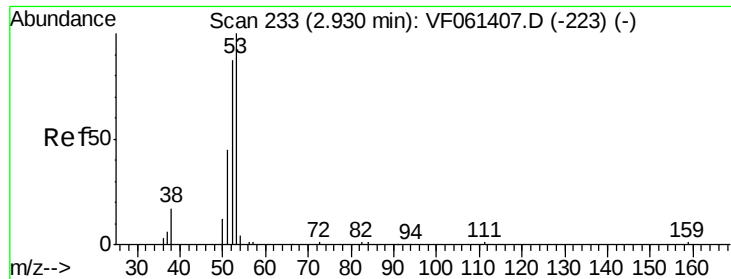


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 225.397 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

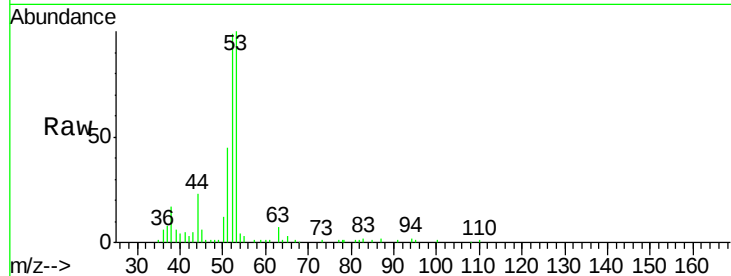
Tot Ion: 53 Resp: 63546

Ion Ratio Lower Upper

53 100

52 98.7 69.6 104.4

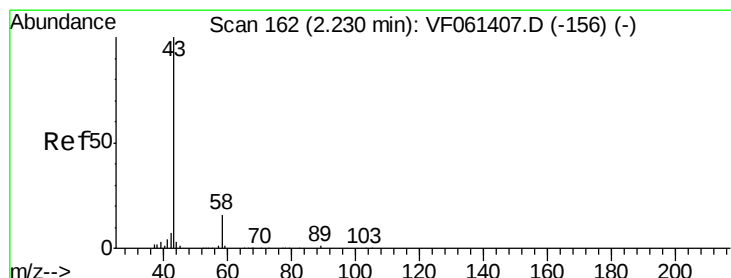
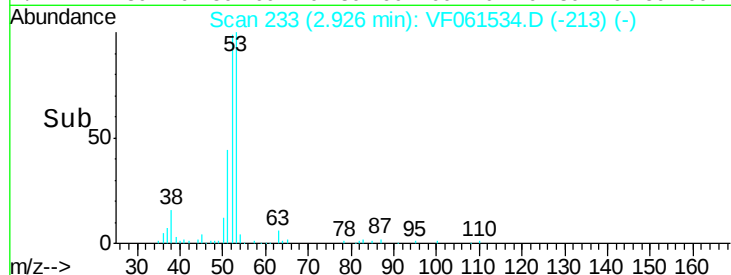
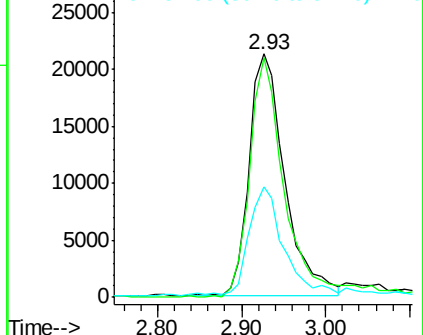
51 45.5 36.8 55.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 256.266 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061534.D

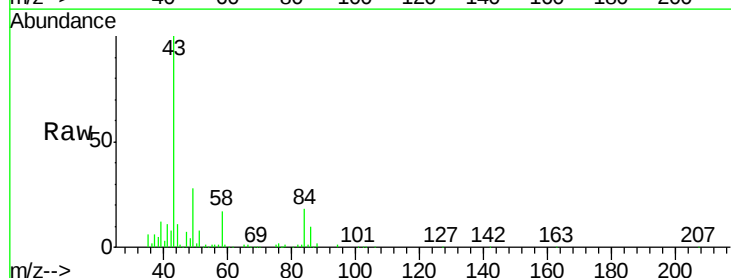
Acq: 28 Jan 2019 11:24

Tgt Ion: 43 Resp: 133679

Ion Ratio Lower Upper

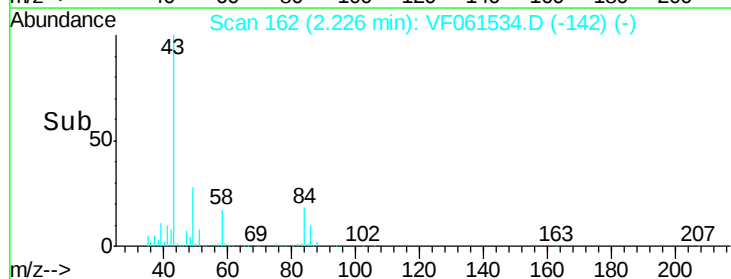
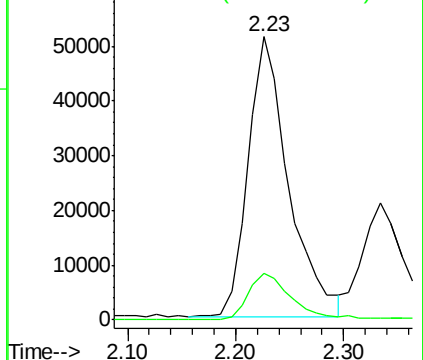
43 100

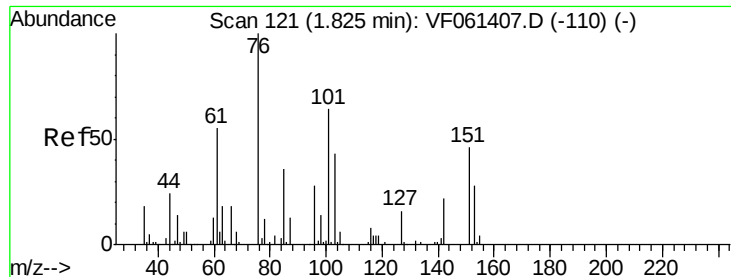
58 16.6 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

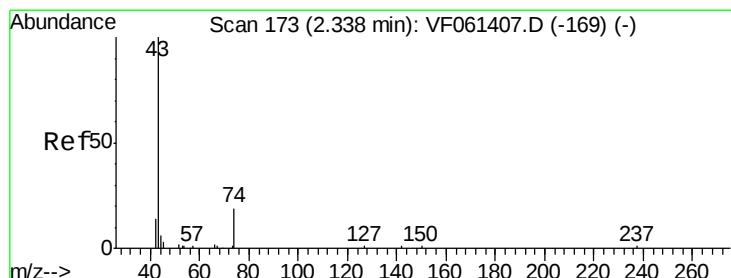
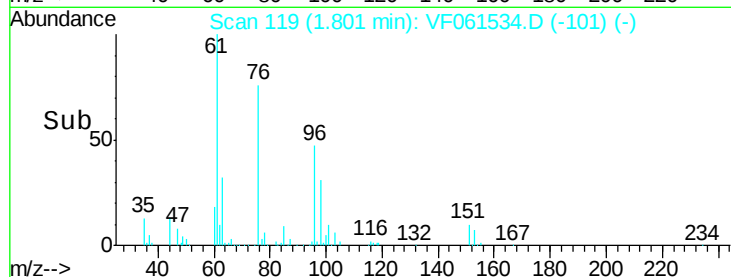
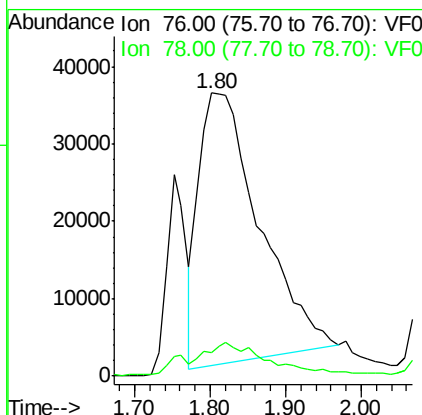
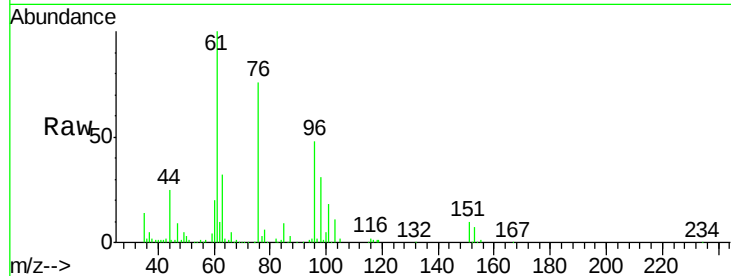




#17
Carbon Disulfide
Concen: 33.361 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

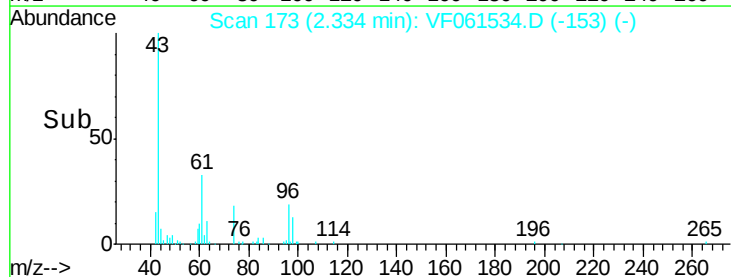
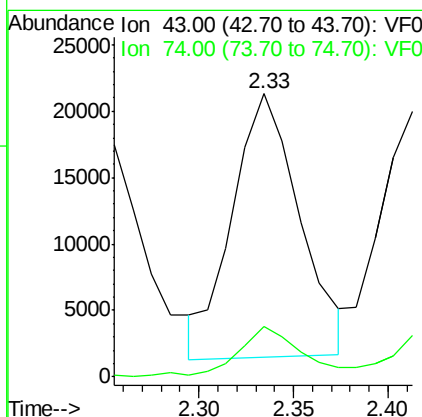
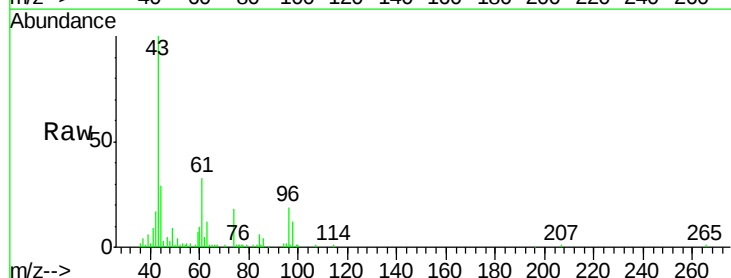
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

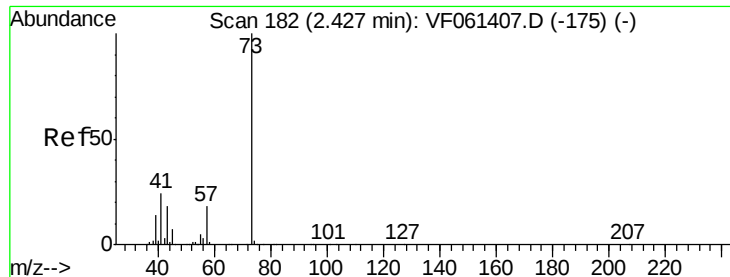
Tot Ion: 76 Resp: 194852
Ion Ratio Lower Upper
76 100
78 8.5 9.6 14.4#



#18
Methyl Acetate
Concen: 47.705 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion: 43 Resp: 49351
Ion Ratio Lower Upper
43 100
74 17.8 13.4 20.0

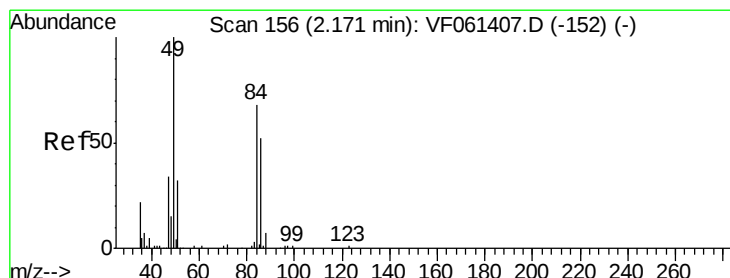
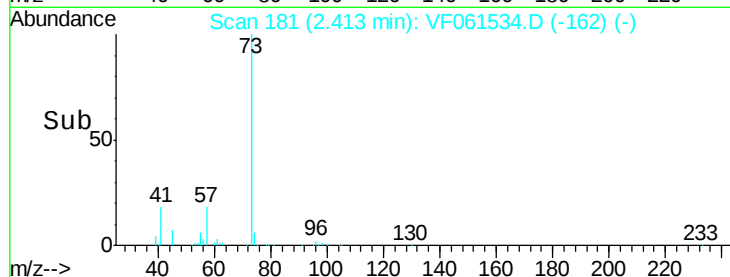
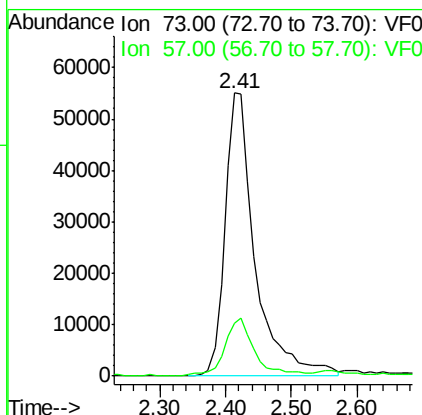
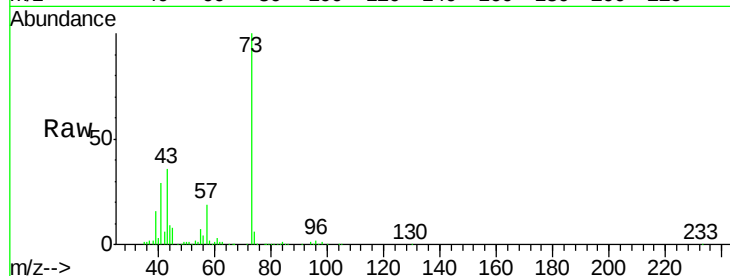




#19
Methyl tert-butyl Ether
Concen: 41.936 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

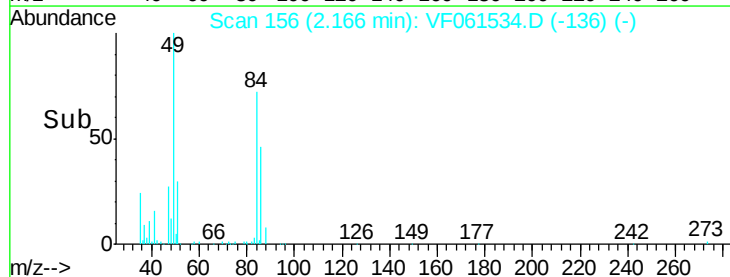
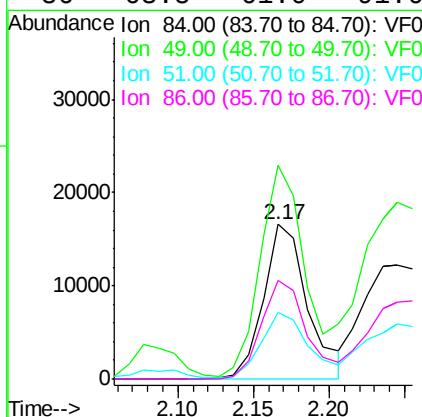
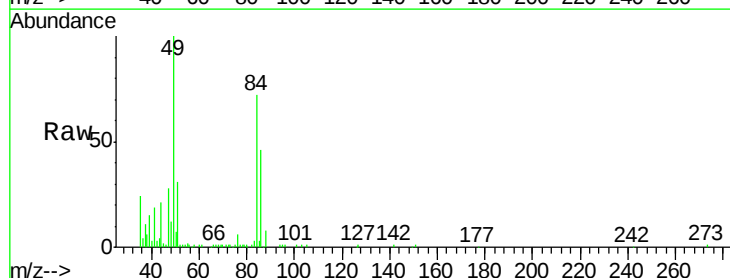
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

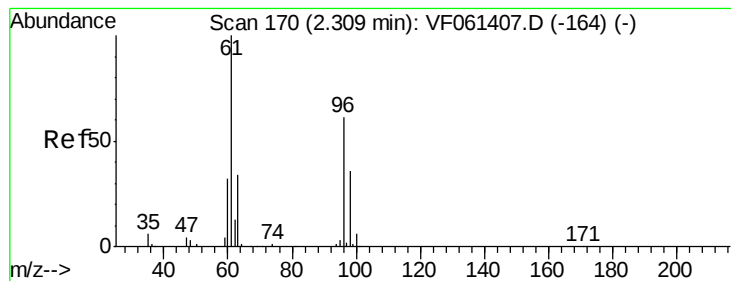
Tot Ion: 73 Resp: 176092
Ion Ratio Lower Upper
73 100
57 18.9 14.8 22.2



#20
Methylene Chloride
Concen: 18.062 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion: 84 Resp: 33970
Ion Ratio Lower Upper
84 100
49 138.2 120.0 180.0
51 42.9 38.6 58.0
86 63.5 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 40.013 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

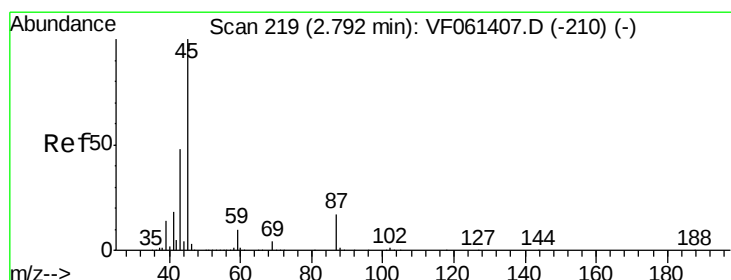
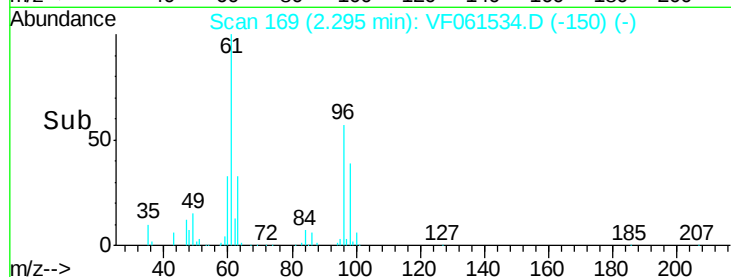
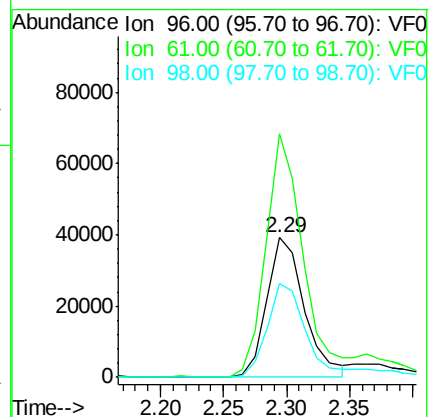
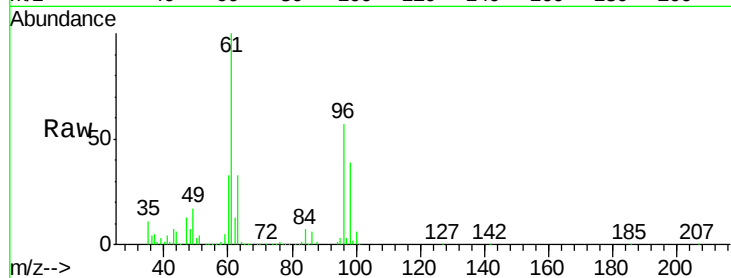
Tot Ion: 96 Resp: 82463

Ion Ratio Lower Upper

96 100

61 174.7 131.8 197.8

98 67.3 47.4 71.0



#22

Diisopropyl ether

Concen: 47.792 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion: 45 Resp: 318580

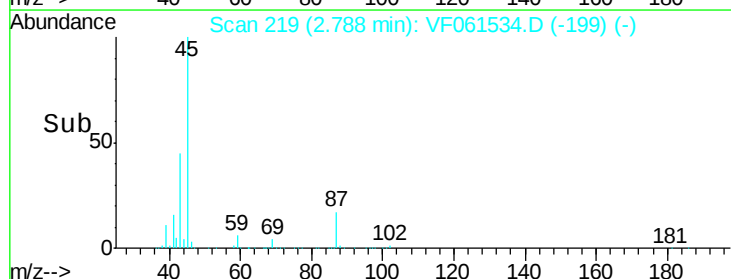
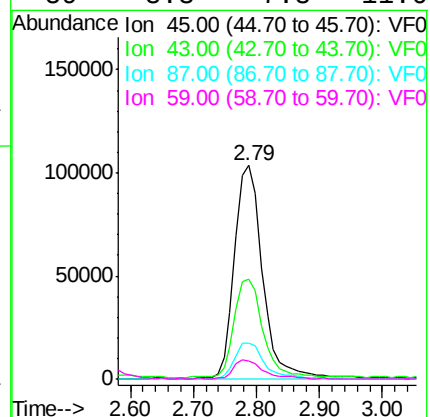
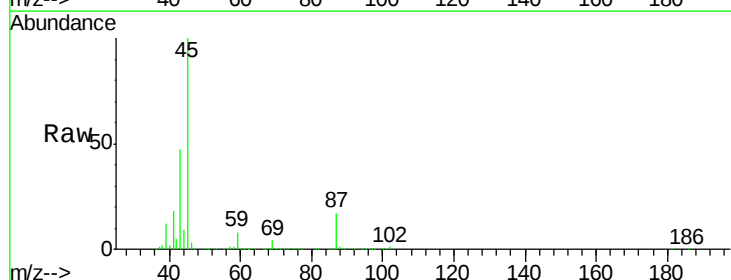
Ion Ratio Lower Upper

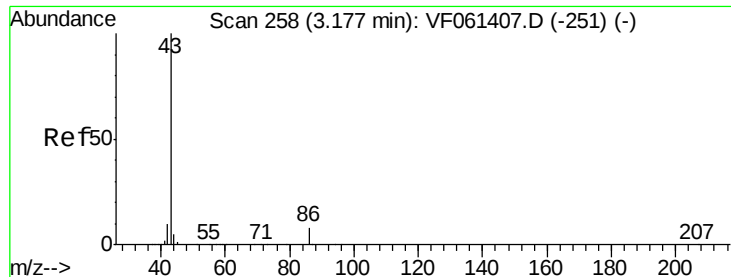
45 100

43 46.5 39.0 58.6

87 17.0 13.9 20.9

59 8.3 7.8 11.6





#23

Vinyl Acetate

Concen: 252.655 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

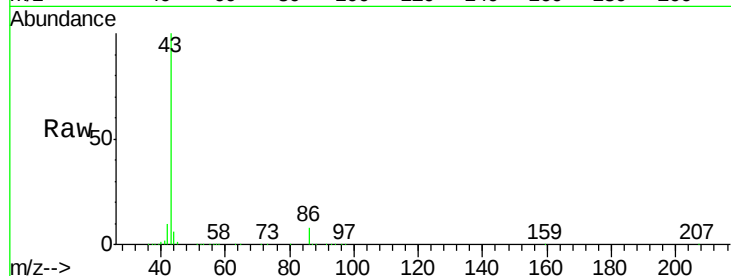
VSTDCCC050

Tot Ion: 43 Resp: 740885

Ion Ratio Lower Upper

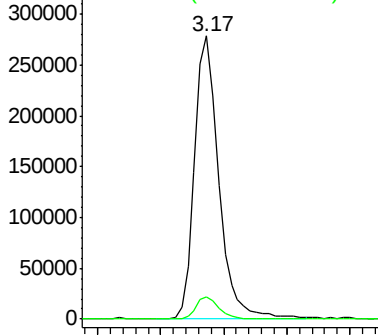
43 100

86 7.8 6.2 9.4

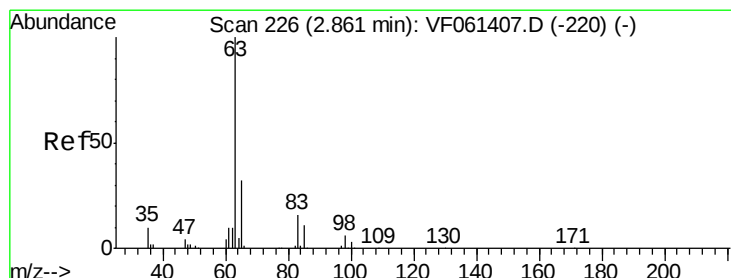
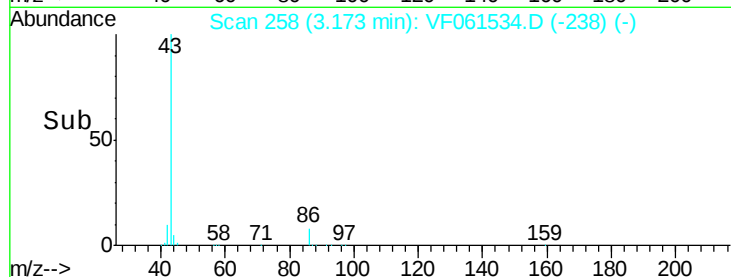


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 44.728 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

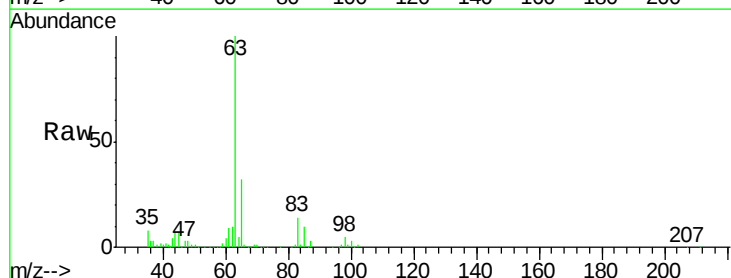
Tgt Ion: 63 Resp: 187128

Ion Ratio Lower Upper

63 100

98 4.7 2.9 8.8

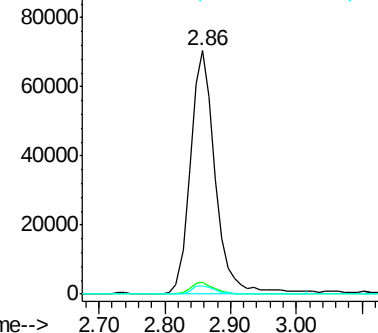
100 3.2 1.6 4.8



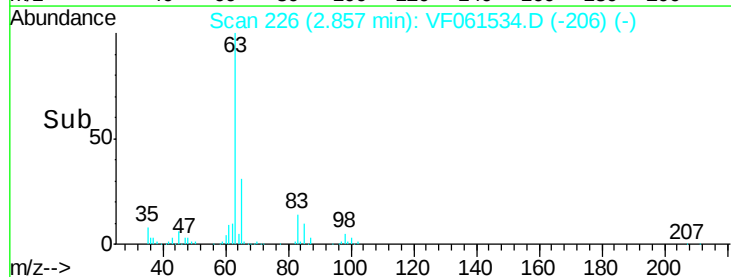
Abundance Ion 63.00 (62.70 to 63.70): VF0

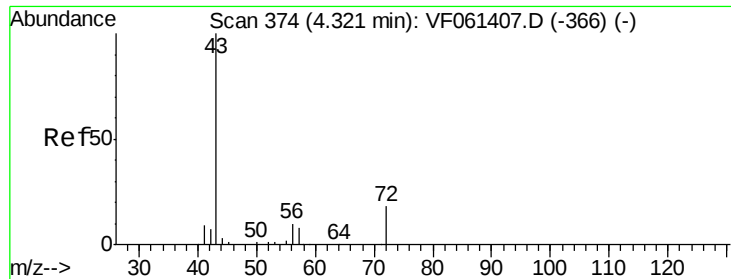
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#25

2-Butanone

Concen: 260.483 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

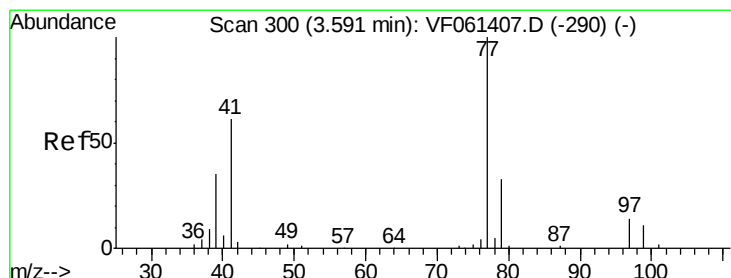
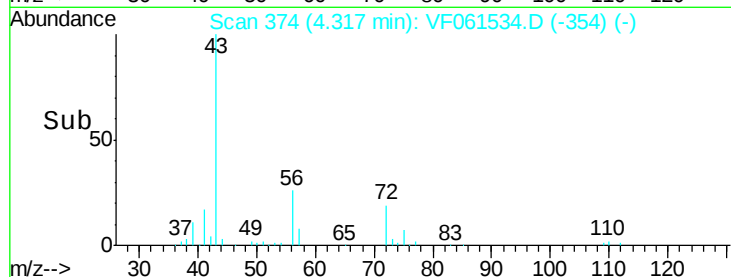
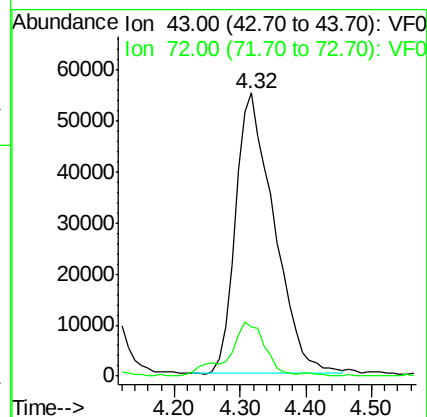
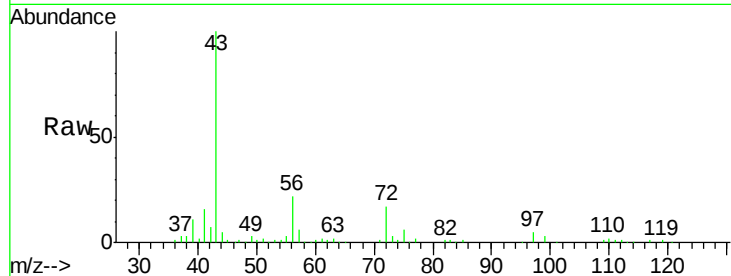
VSTDCCC050

Tot Ion: 43 Resp: 225960

Ion Ratio Lower Upper

43 100

72 17.4 15.8 23.6



#26

2,2-Dichloropropane

Concen: 43.930 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061534.D

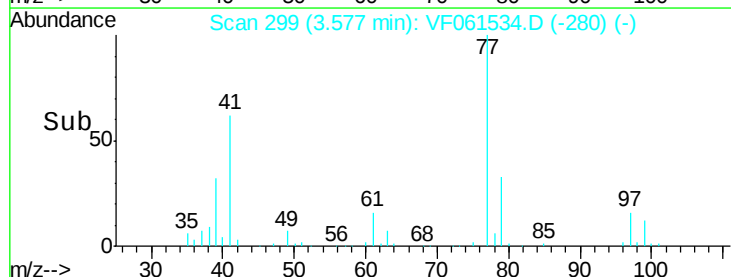
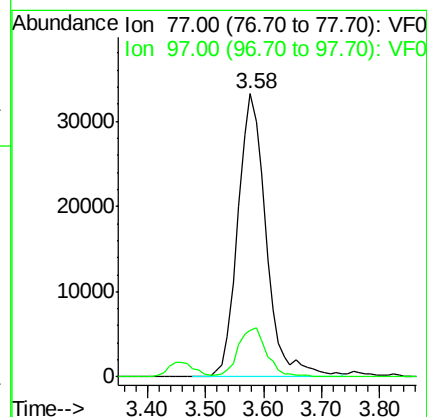
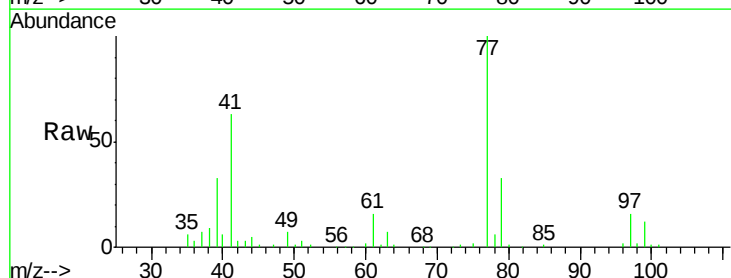
Acq: 28 Jan 2019 11:24

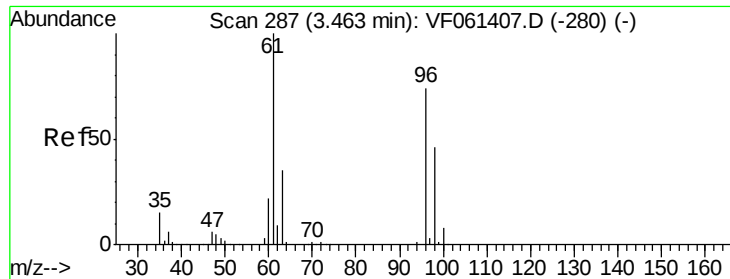
Tgt Ion: 77 Resp: 112919

Ion Ratio Lower Upper

77 100

97 16.4 8.5 25.5



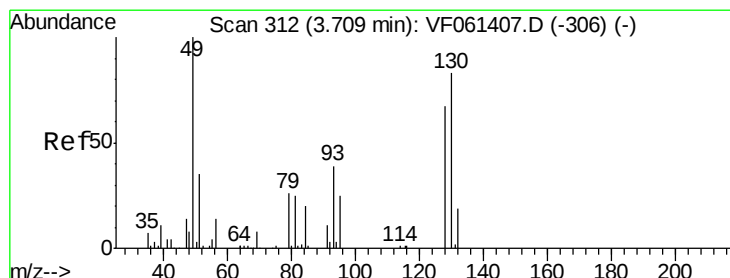
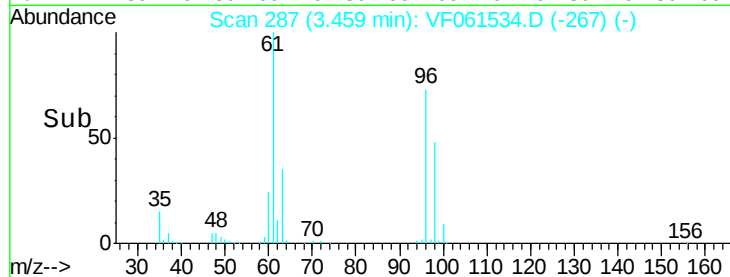
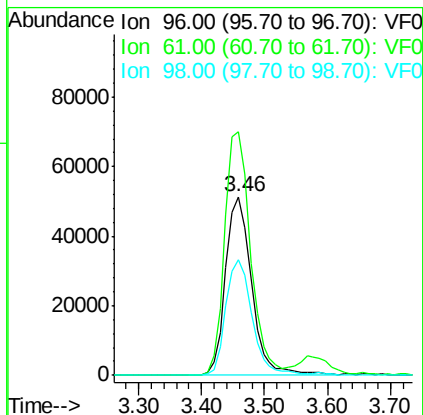
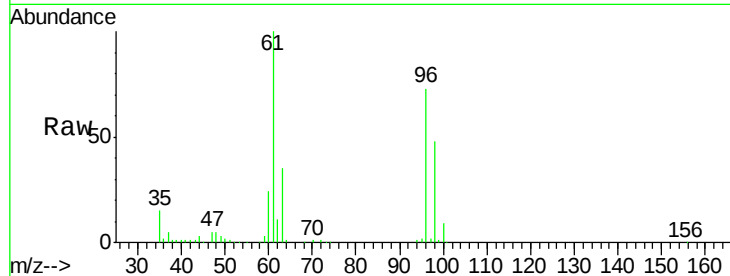


#27

cis-1,2-Dichloroethene
 Concen: 48.616 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

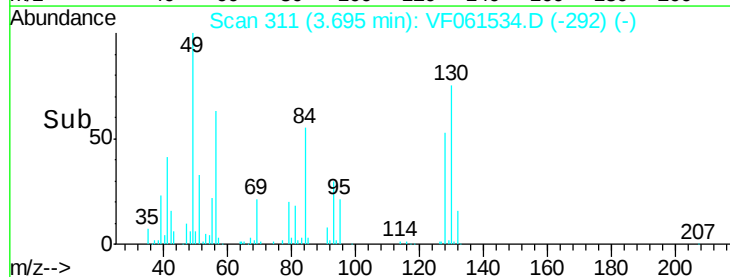
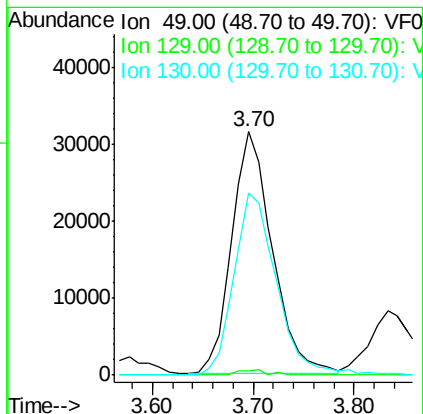
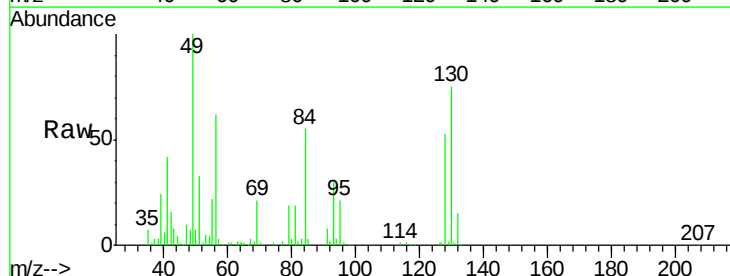
Tot Ion	96	Resp	147902
Ion	Ratio	Lower	Upper
96	100		
61	136.5	0.0	270.2
98	65.0	0.0	124.0

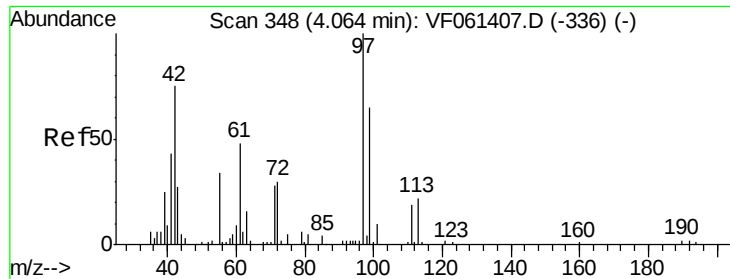


#28

Bromochloromethane
 Concen: 47.099 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion	49	Resp	88574
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	0.0#
130	74.9	65.4	98.2





#29

Tetrahydrofuran

Concen: 238.394 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

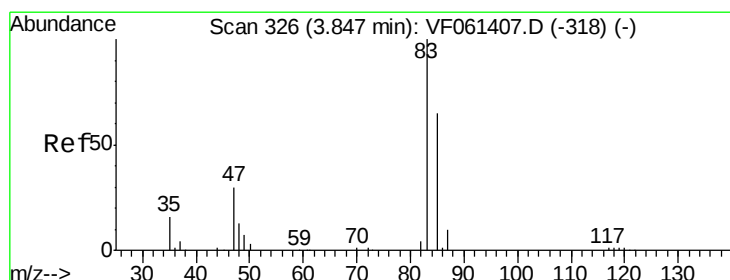
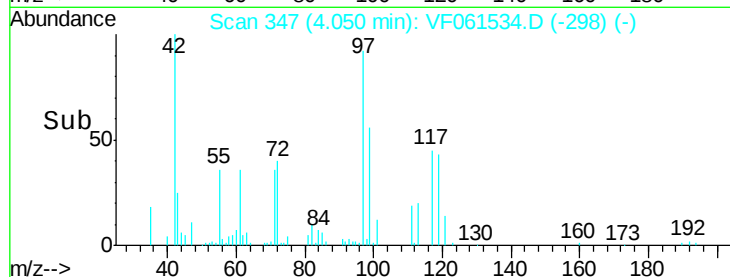
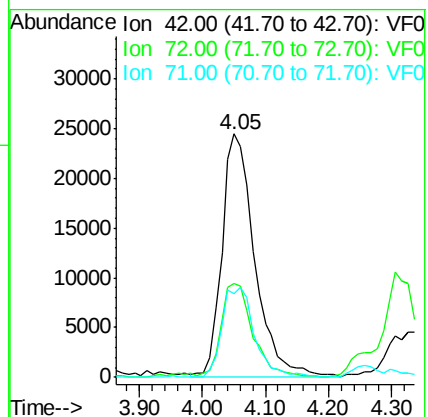
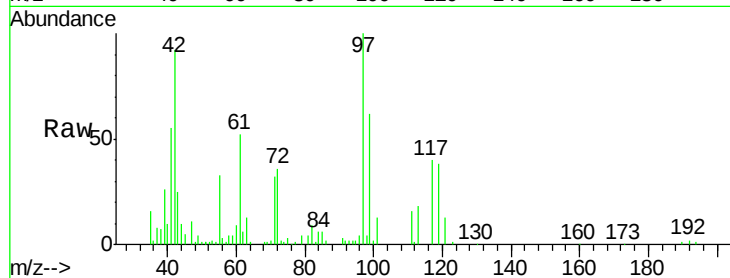
Tot Ion: 42 Resp: 89046

Ion Ratio Lower Upper

42 100

72 37.5 28.9 43.3

71 36.6 29.6 44.4



#30

Chloroform

Concen: 47.547 ug/l

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF061534.D

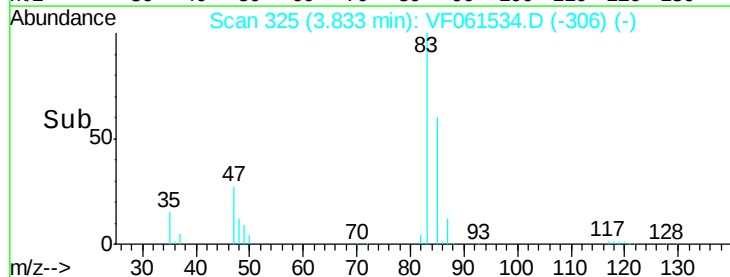
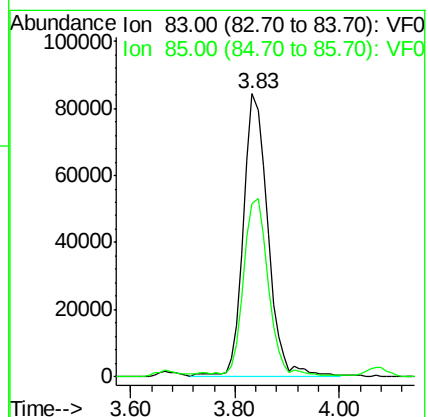
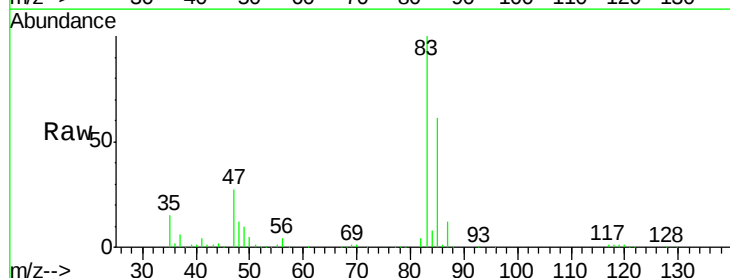
Acq: 28 Jan 2019 11:24

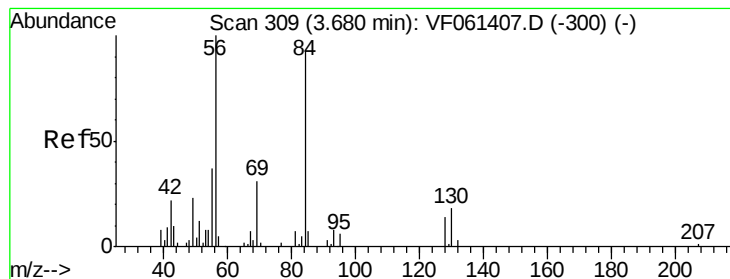
Tgt Ion: 83 Resp: 268461

Ion Ratio Lower Upper

83 100

85 61.2 52.7 79.1





#31

Cyclohexane

Concen: 27.507 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

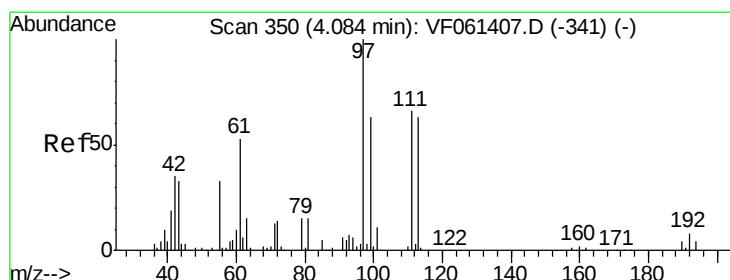
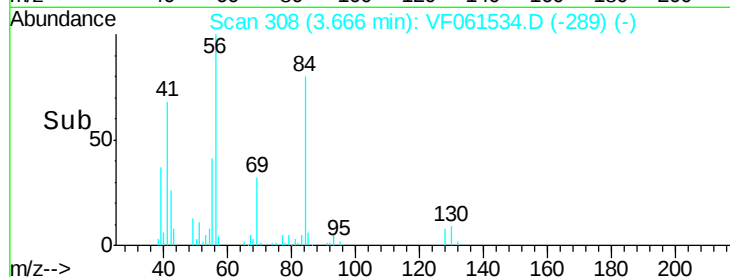
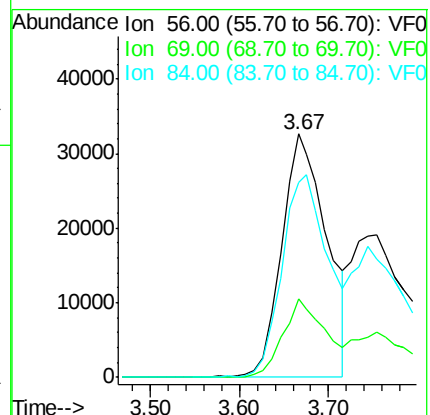
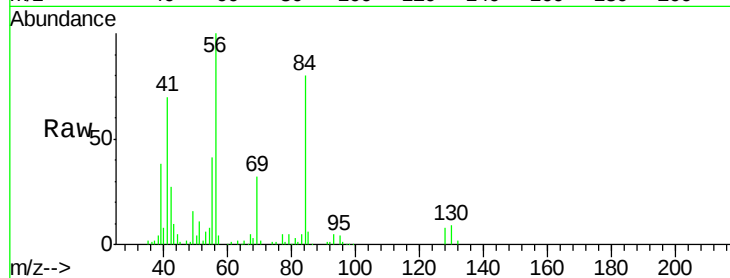
Tot Ion: 56 Resp: 114956

Ion Ratio Lower Upper

56 100

69 32.0 24.6 36.8

84 80.3 74.2 111.2



#32

1,1,1-Trichloroethane

Concen: 38.486 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

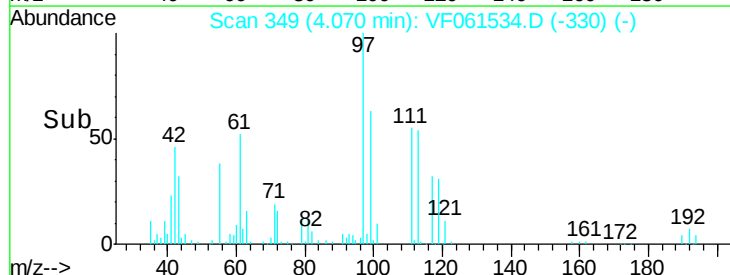
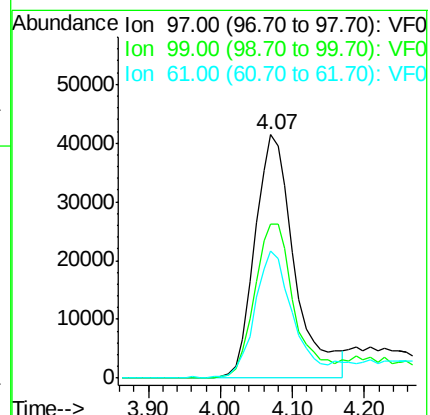
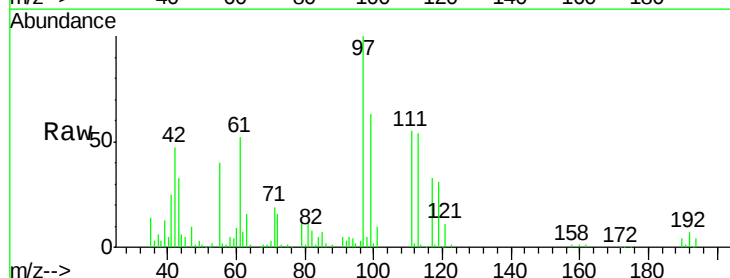
Tgt Ion: 97 Resp: 159333

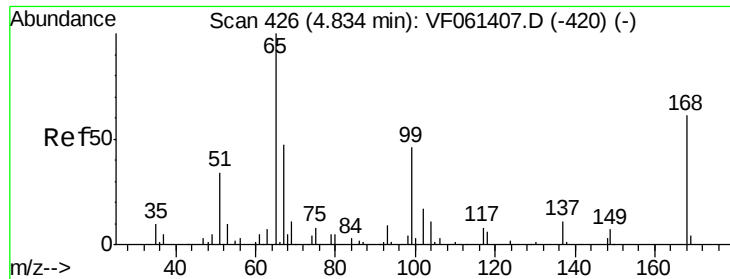
Ion Ratio Lower Upper

97 100

99 63.2 50.1 75.1

61 52.0 43.1 64.7





#33

1,2-Dichloroethane-d4

Concen: 42.716 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

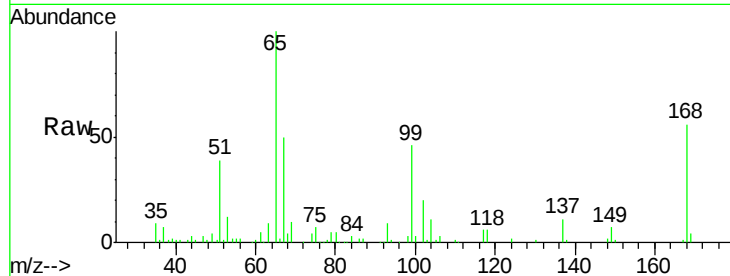
VSTDCCC050

Tot Ion: 65 Resp: 111073

Ion Ratio Lower Upper

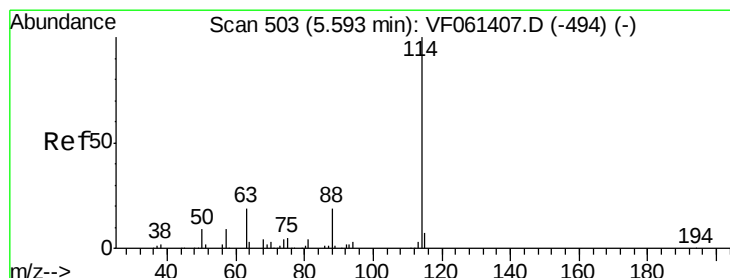
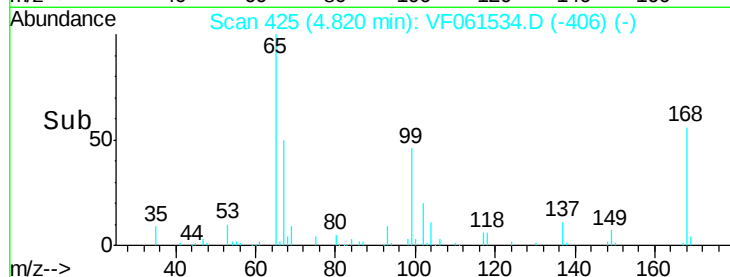
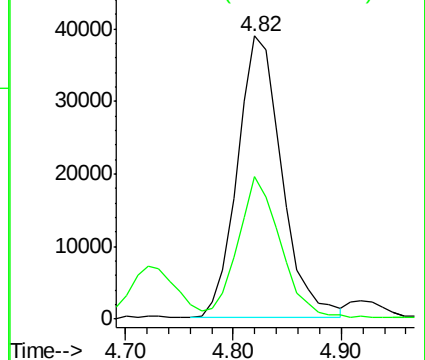
65 100

67 50.2 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

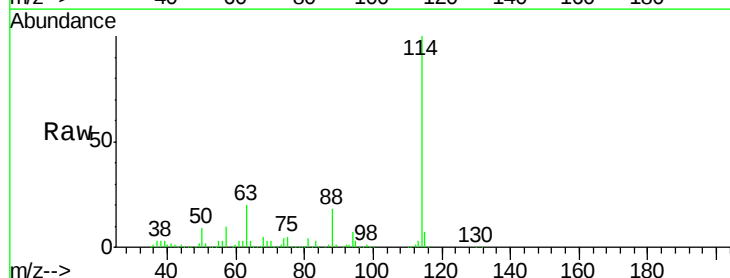
Tgt Ion: 114 Resp: 360586

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

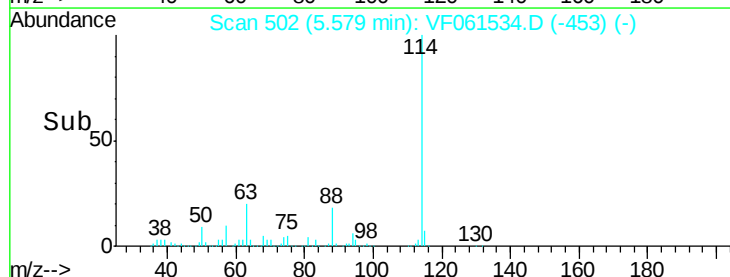
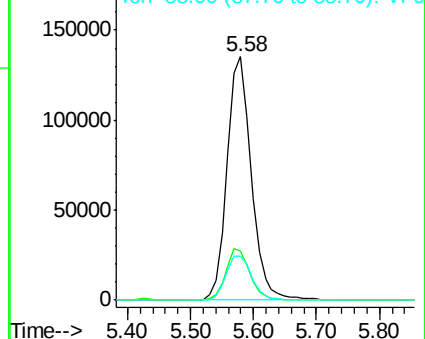
88 17.9 0.0 37.4

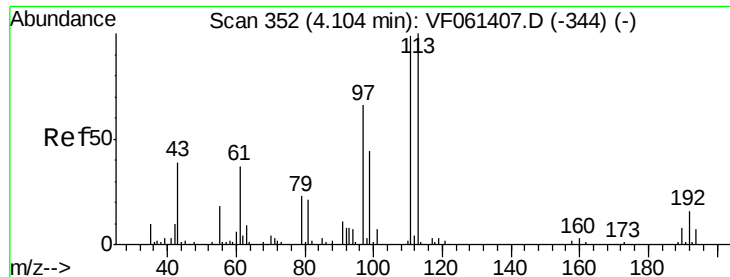


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 44.955 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

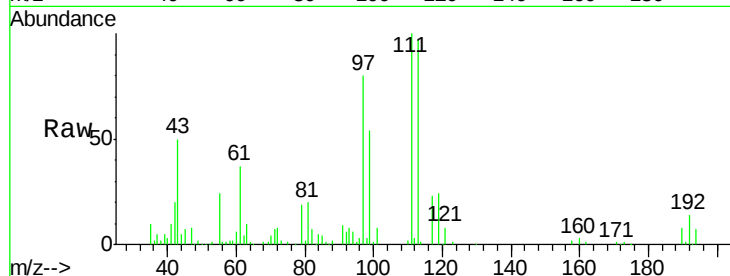
Tot Ion:113 Resp: 127913

Ion Ratio Lower Upper

113 100

111 103.3 79.4 119.0

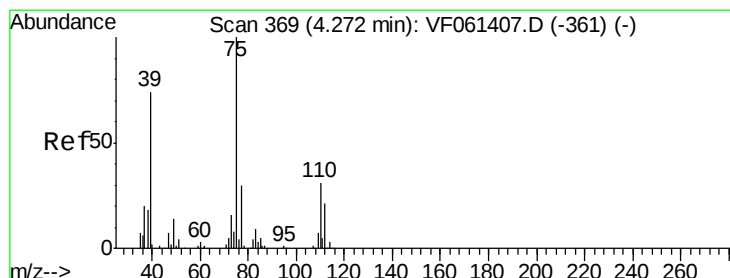
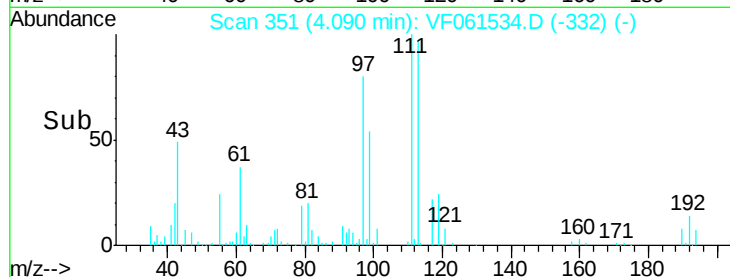
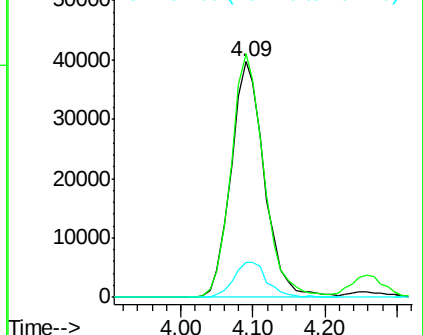
192 14.6 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 48.881 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

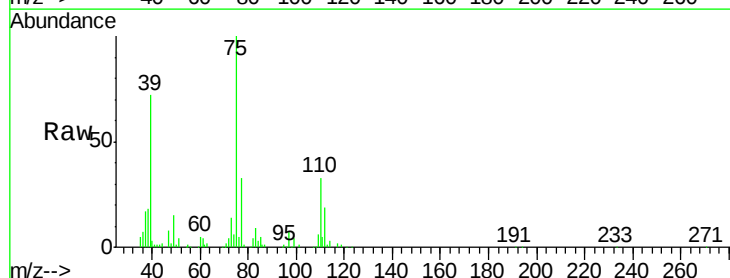
Tgt Ion: 75 Resp: 204361

Ion Ratio Lower Upper

75 100

110 32.6 15.8 47.3

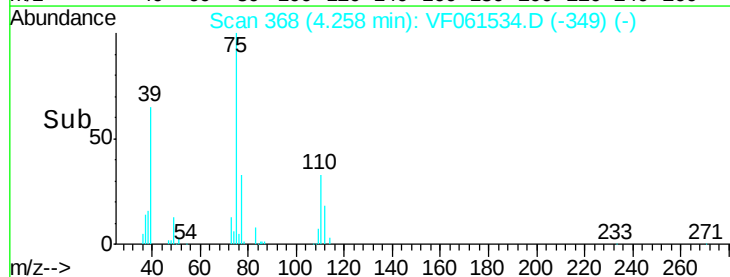
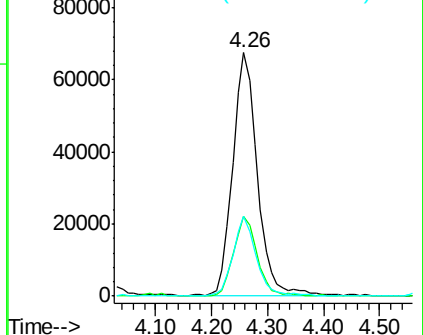
77 32.6 24.0 36.0

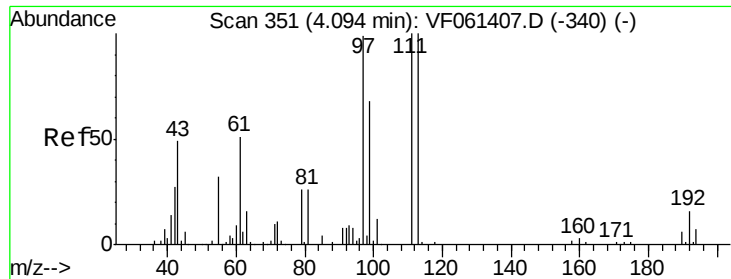


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 45.802 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

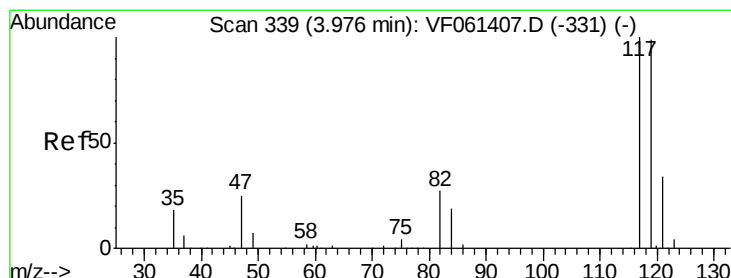
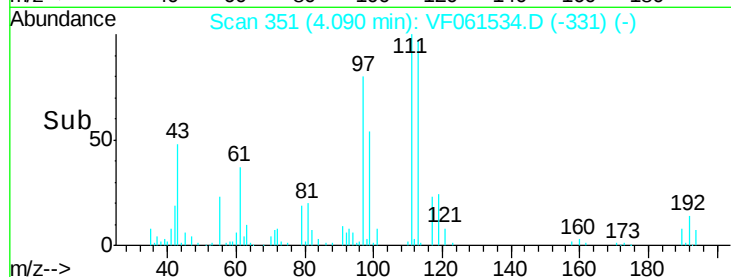
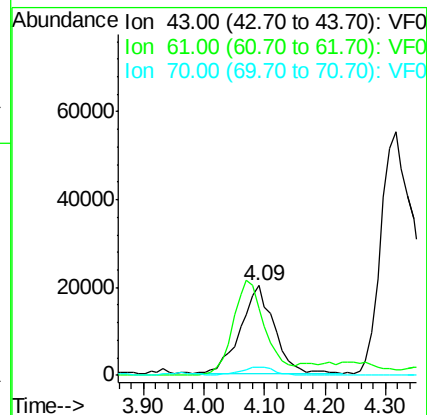
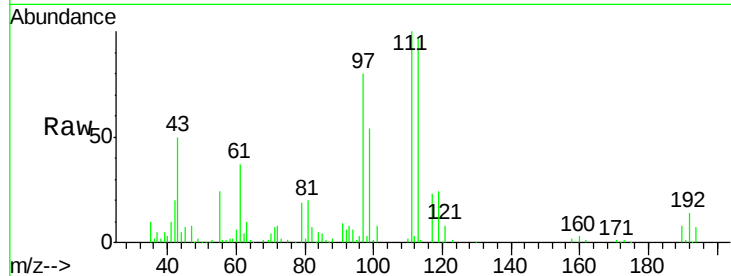
Tot Ion: 43 Resp: 76545

Ion Ratio Lower Upper

43 100

61 75.4 81.7 122.5#

70 8.9 6.2 9.2



#38

Carbon Tetrachloride

Concen: 43.585 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

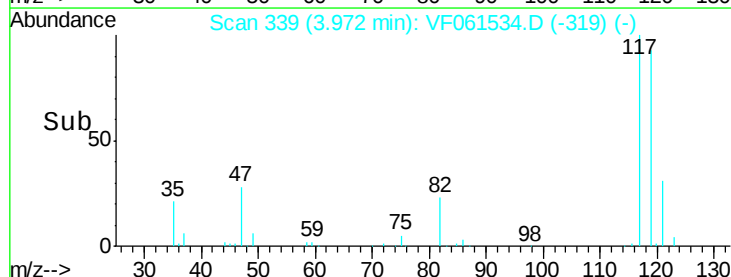
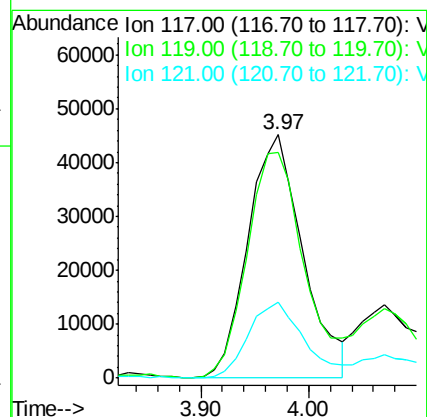
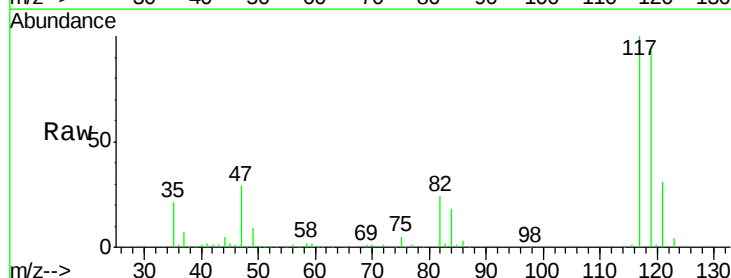
Tgt Ion: 117 Resp: 159305

Ion Ratio Lower Upper

117 100

119 92.8 79.0 118.6

121 31.2 27.0 40.6

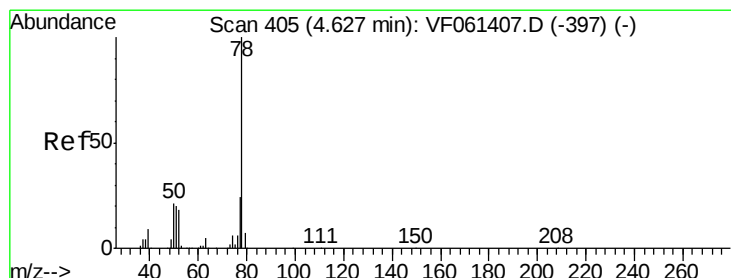
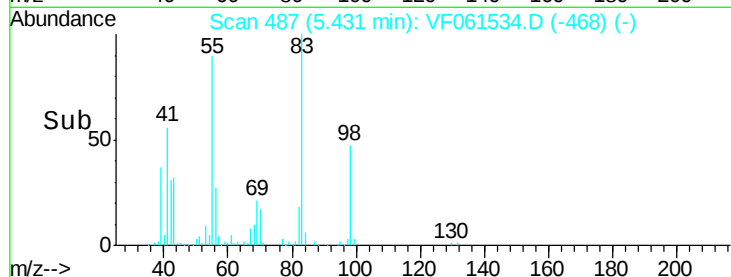
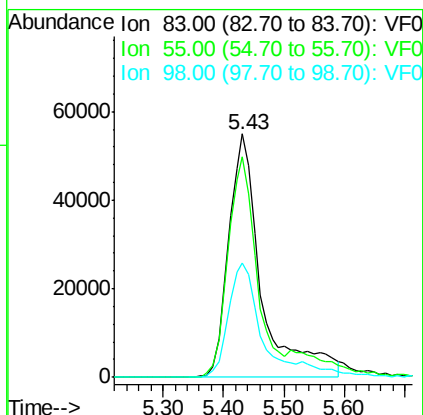
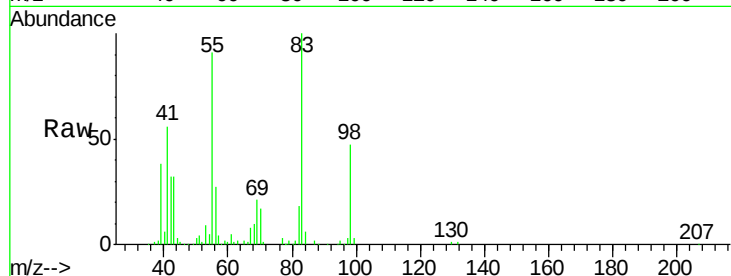




#39
Methvlcvclohexane
Concen: 46.148 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

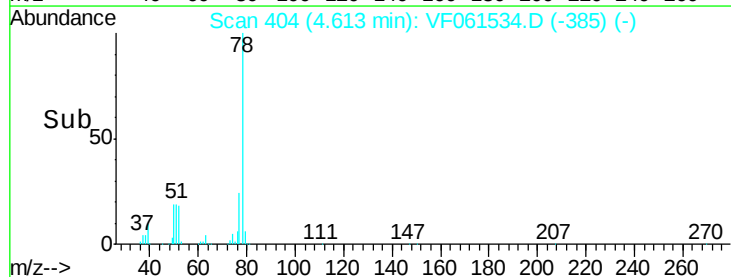
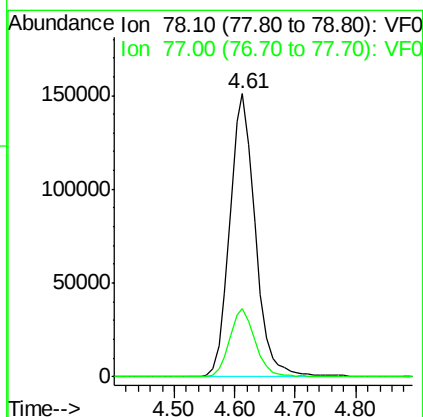
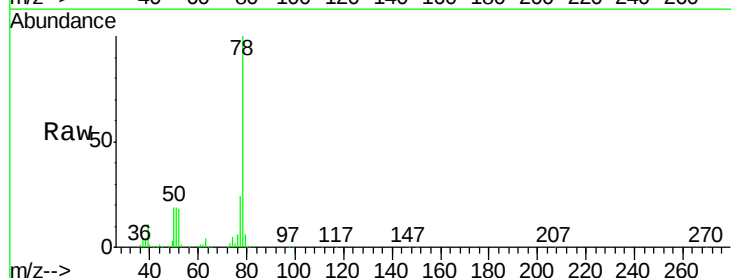
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 209089
Ion Ratio Lower Upper
83 100
55 90.6 67.4 101.2
98 47.1 36.7 55.1



#40
Benzene
Concen: 47.570 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion: 78 Resp: 442543
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6





#41

Methacrylonitrile

Concen: 48.742 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 43344

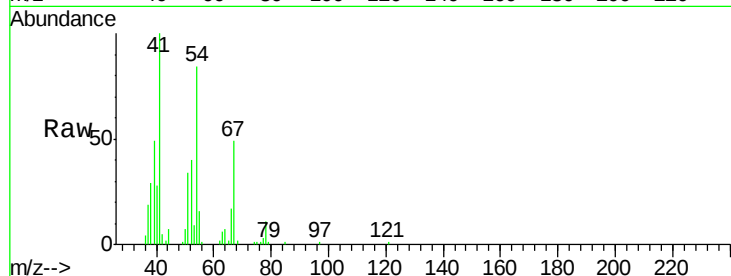
Ion Ratio Lower Upper

41 100

39 48.8 43.1 64.7

67 48.8 38.8 58.2

52 40.0 33.2 49.8

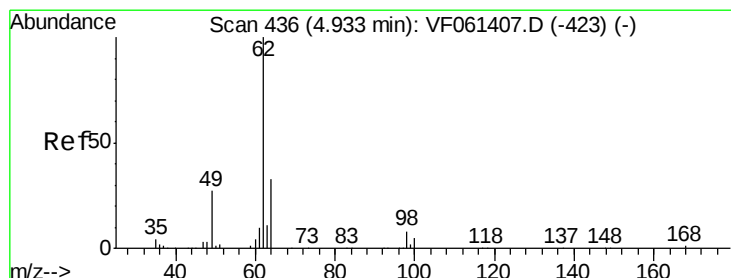
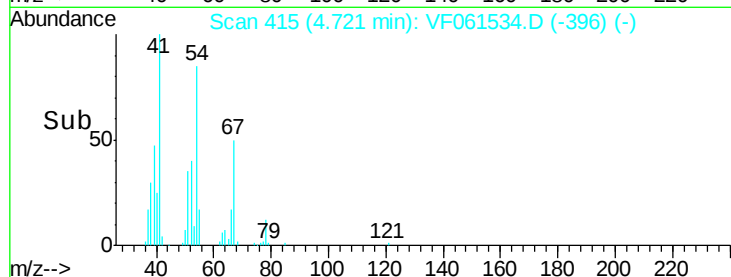
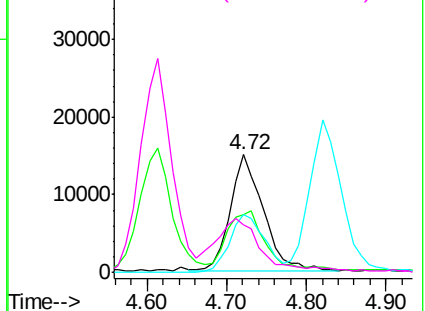


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 46.557 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF061534.D

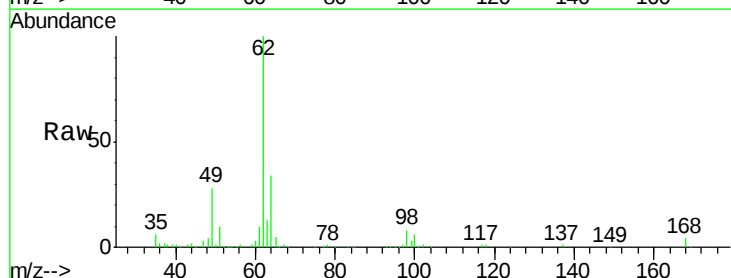
Acq: 28 Jan 2019 11:24

Tgt Ion: 62 Resp: 154340

Ion Ratio Lower Upper

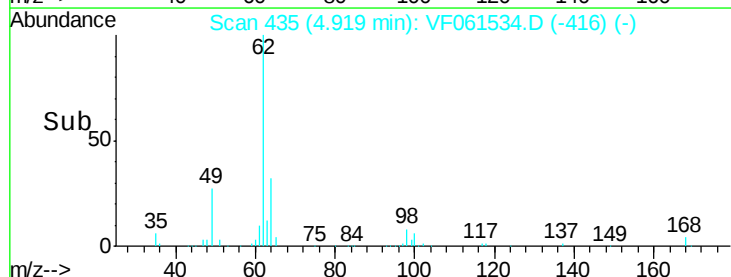
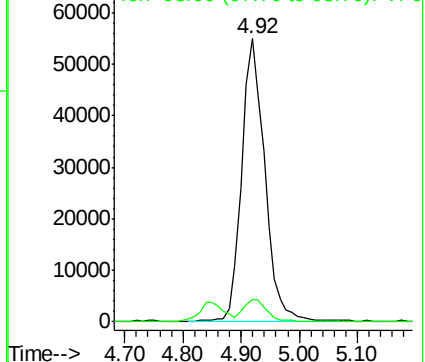
62 100

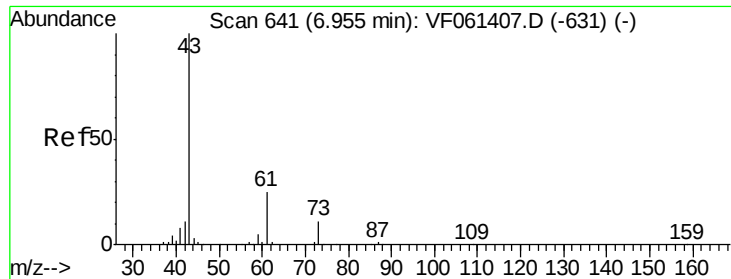
98 7.8 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



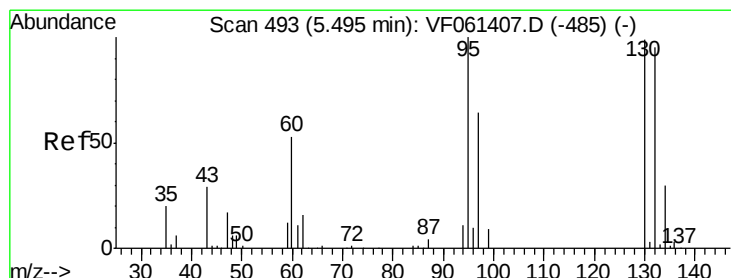
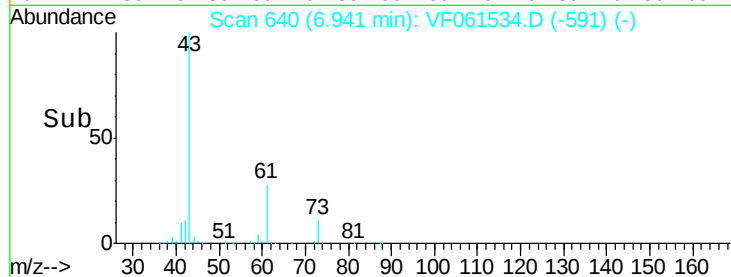
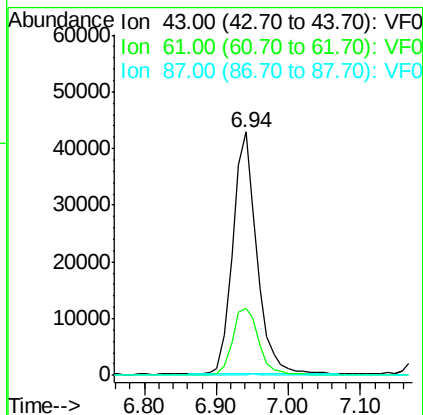
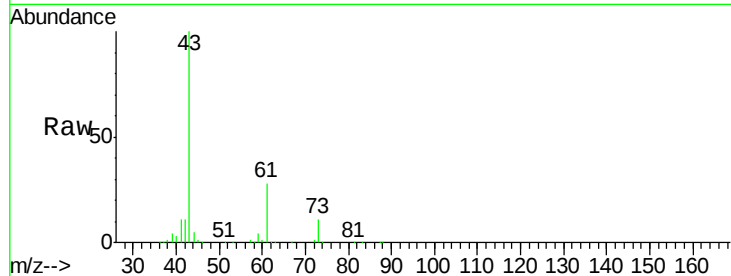


#43

Isopropyl Acetate
 Concen: 47.080 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

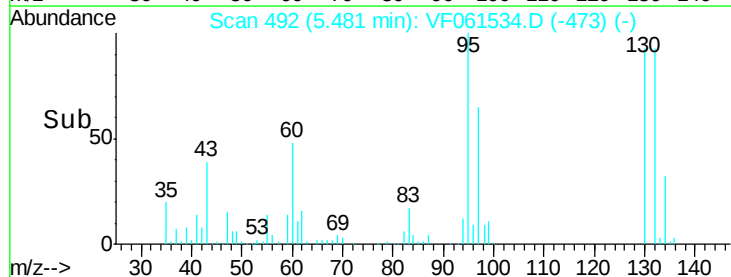
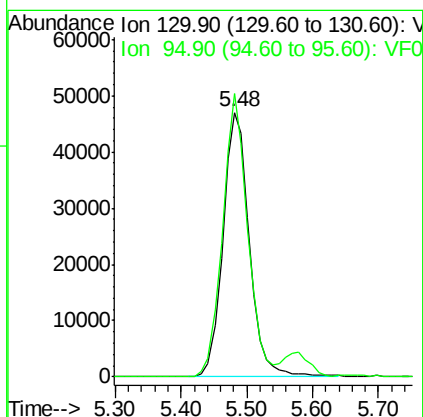
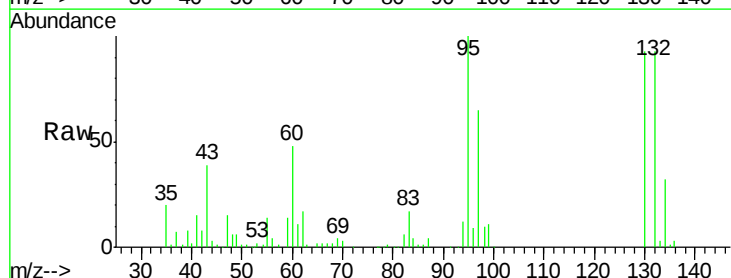
Tot Ion: 43 Resp: 98750
 Ion Ratio Lower Upper
 43 100
 61 27.7 20.3 30.5
 87 0.3 0.5 0.7#

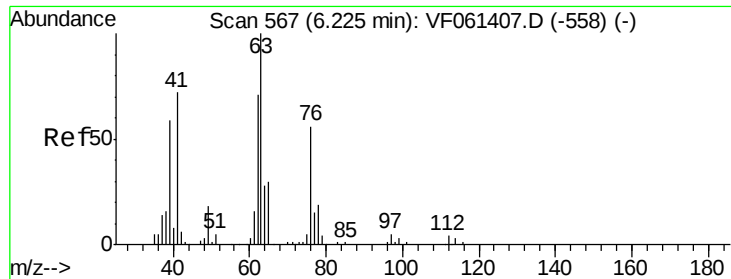


#44

Trichloroethene
 Concen: 45.971 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion: 130 Resp: 131193
 Ion Ratio Lower Upper
 130 100
 95 107.1 0.0 202.8





#45

1,2-Dichloropropane

Concen: 48.700 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

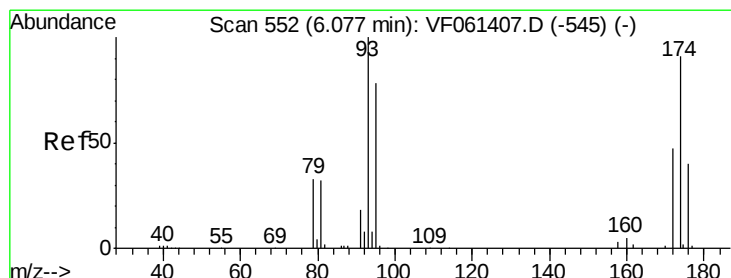
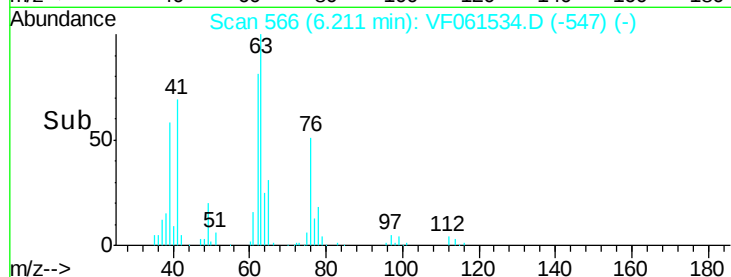
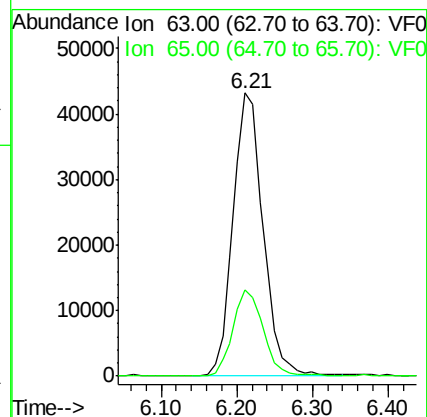
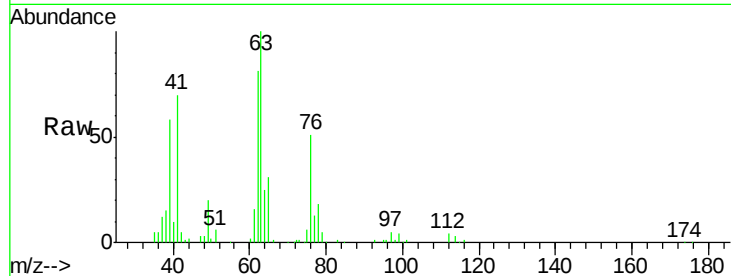
VSTDCCC050

Tot Ion: 63 Resp: 118906

Ion Ratio Lower Upper

63 100

65 30.6 24.4 36.6



#46

Dibromomethane

Concen: 47.098 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

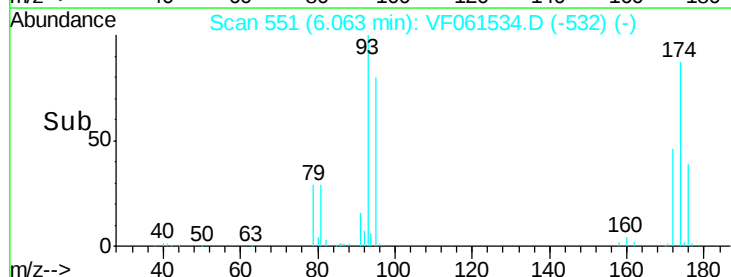
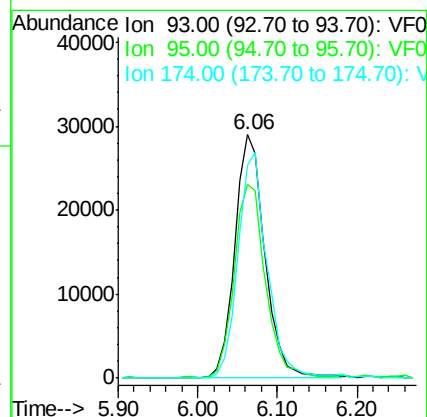
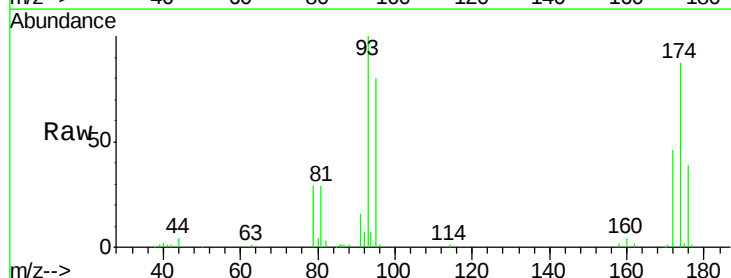
Tgt Ion: 93 Resp: 76464

Ion Ratio Lower Upper

93 100

95 79.5 62.1 93.1

174 87.3 74.6 111.8





#47

Bromodichloromethane

Concen: 48.346 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

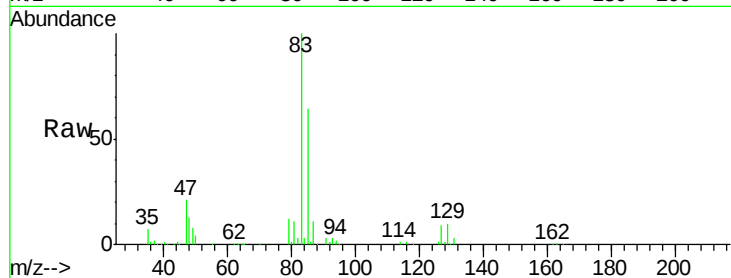
Tot Ion: 83 Resp: 194203

Ion Ratio Lower Upper

83 100

85 64.3 53.0 79.4

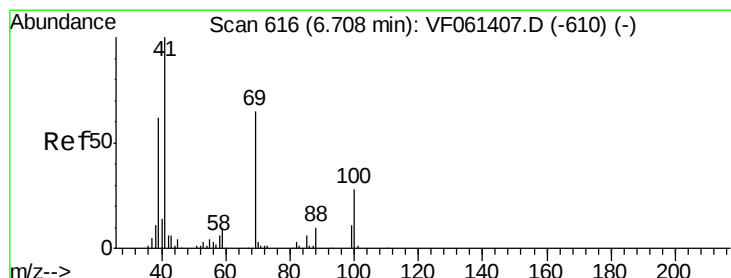
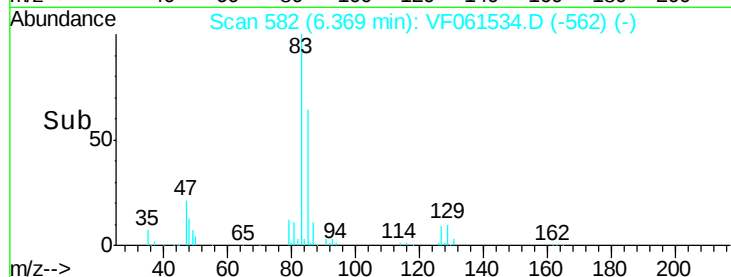
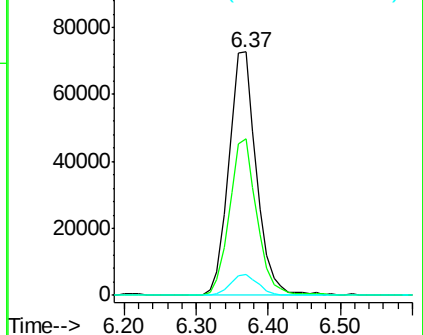
127 8.6 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 44.855 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

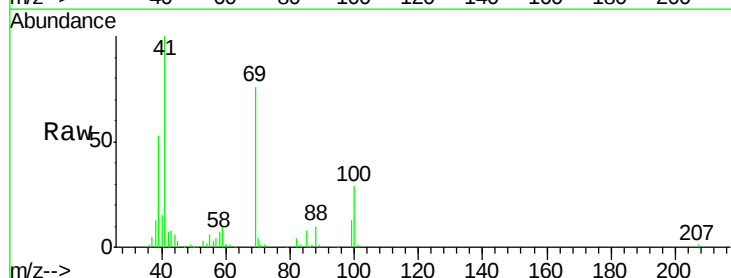
Tgt Ion: 41 Resp: 63177

Ion Ratio Lower Upper

41 100

69 76.1 51.7 77.5

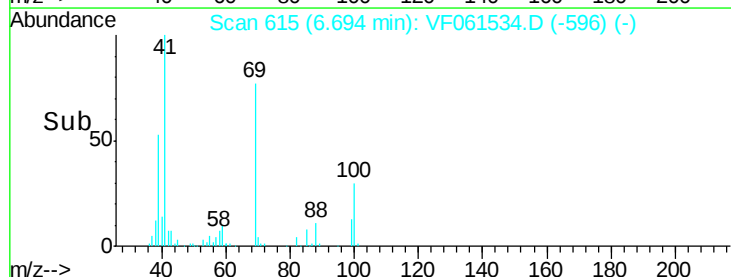
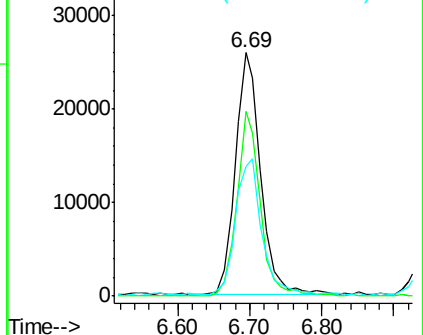
39 53.4 49.2 73.8

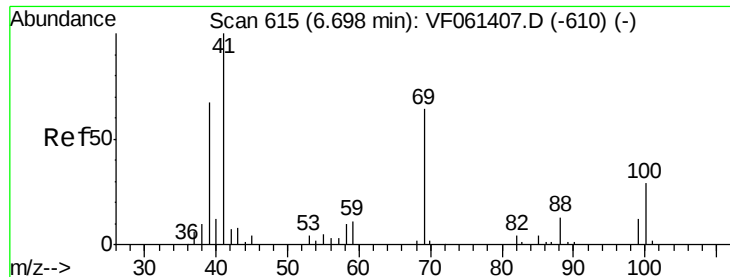


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

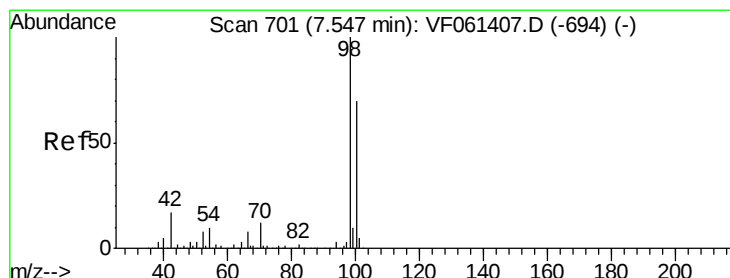
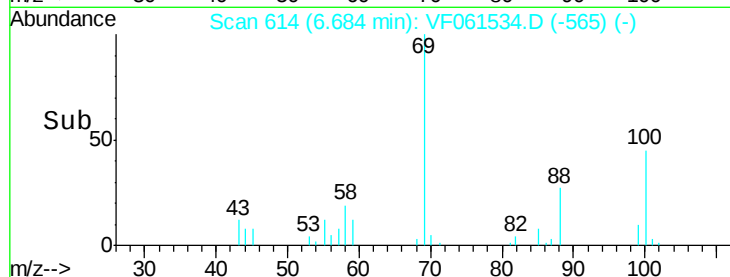
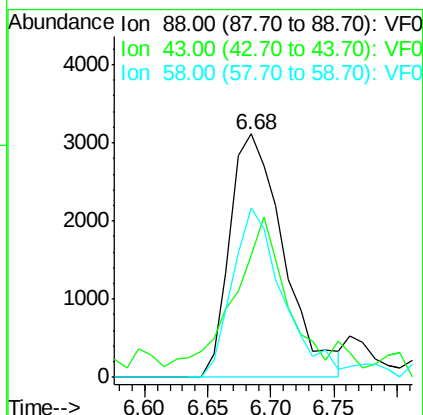
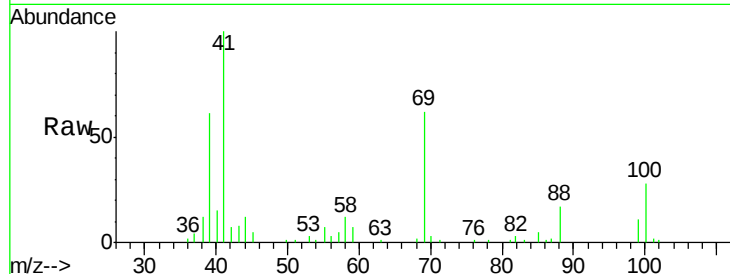




#49
1,4-Dioxane
Concen: 935.988 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

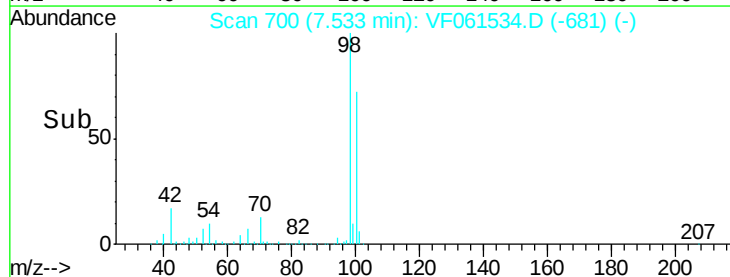
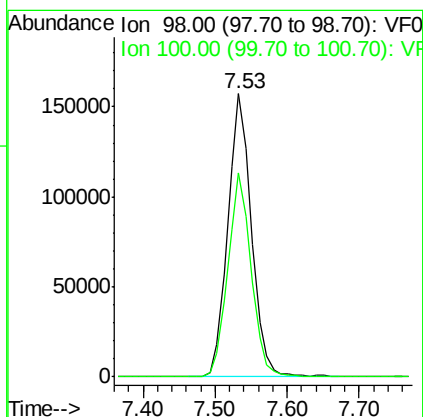
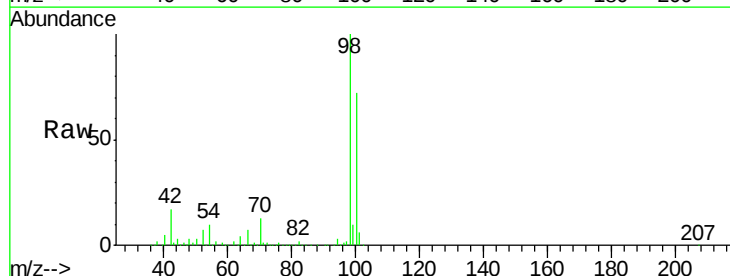
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

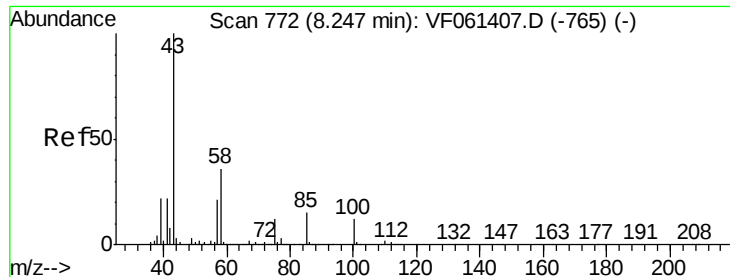
Tot Ion: 88 Resp: 9246
Ion Ratio Lower Upper
88 100
43 50.4 55.5 83.3#
58 69.4 59.9 89.9



#50
Toluene-d8
Concen: 46.141 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion: 98 Resp: 359703
Ion Ratio Lower Upper
98 100
100 72.0 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 235.450 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

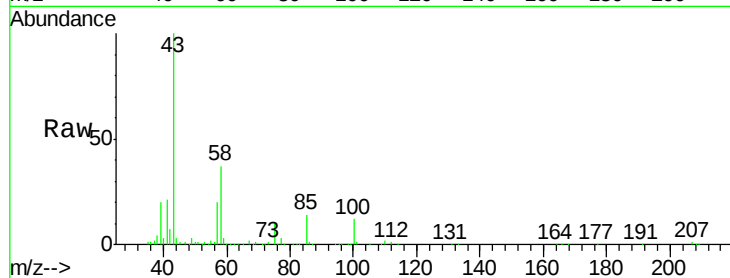
VSTDCCC050

Tot Ion: 43 Resp: 363060

Ion Ratio Lower Upper

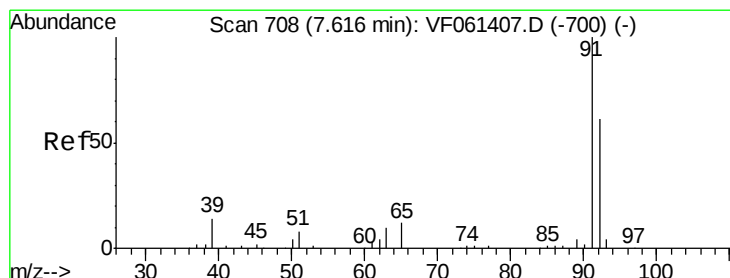
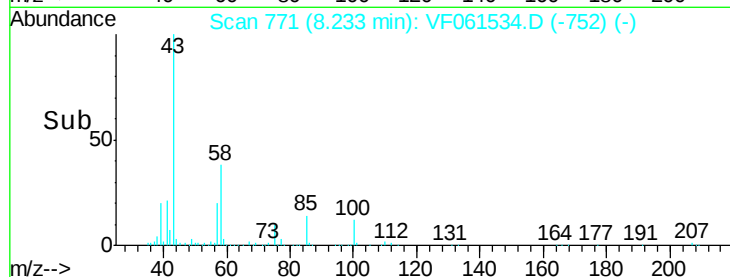
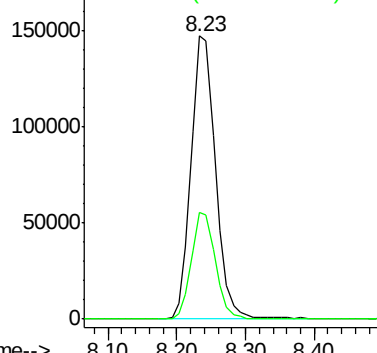
43 100

58 37.5 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 47.577 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.01 min

Lab File: VF061534.D

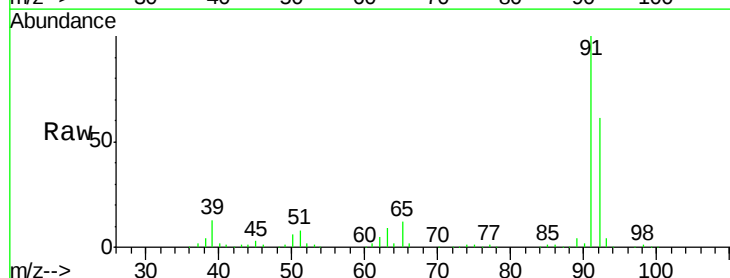
Acq: 28 Jan 2019 11:24

Tgt Ion: 92 Resp: 291473

Ion Ratio Lower Upper

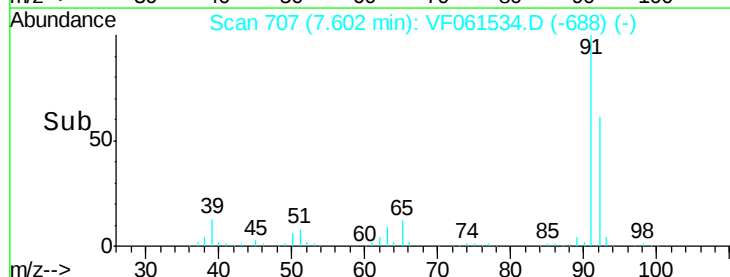
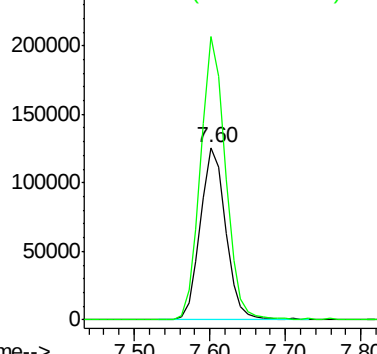
92 100

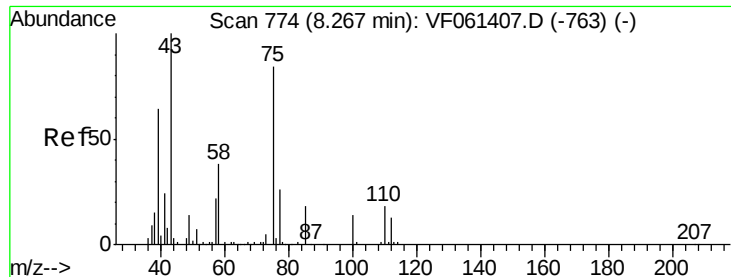
91 164.3 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 47.663 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

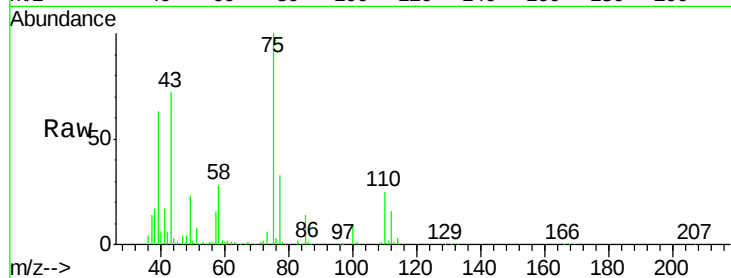
VSTDCCC050

Tot Ion: 75 Resp: 152030

Ion Ratio Lower Upper

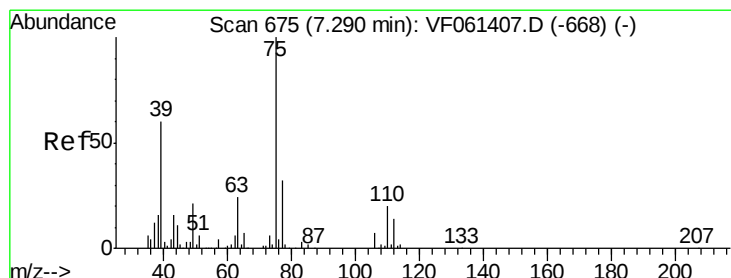
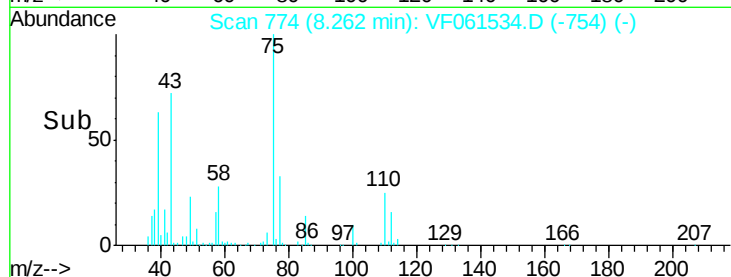
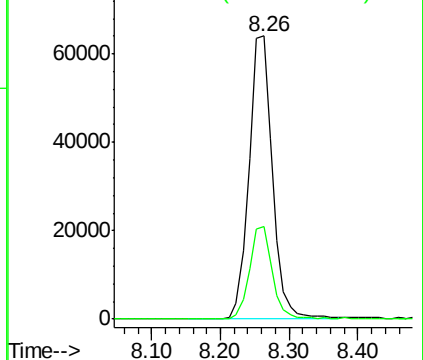
75 100

77 32.6 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 46.985 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

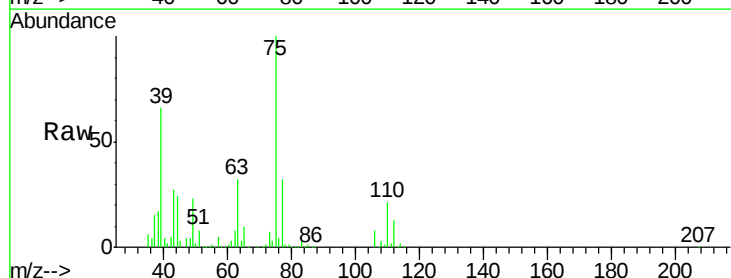
Tgt Ion: 75 Resp: 187329

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

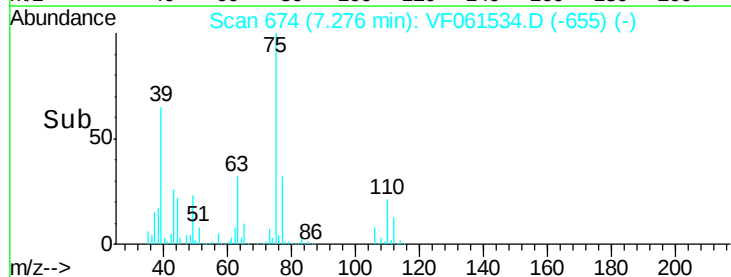
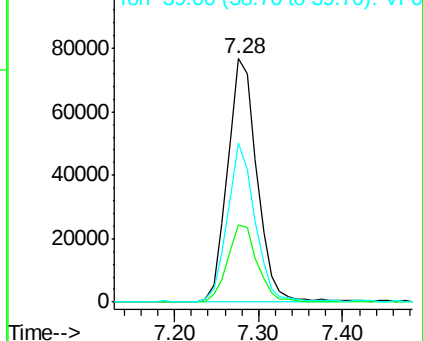
39 65.6 47.8 71.8

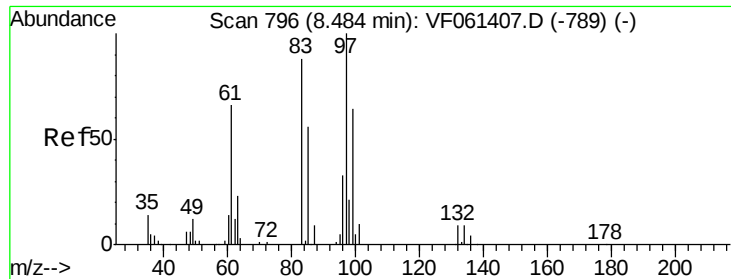


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 45.345 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 78887

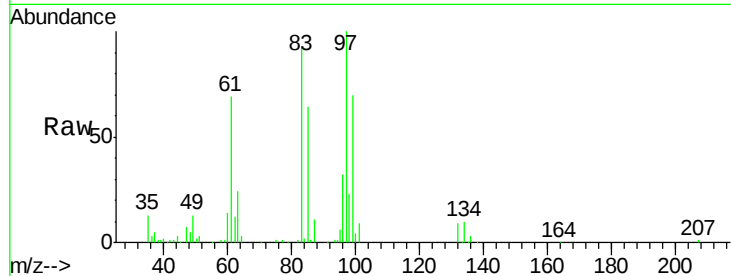
Ion	Ratio	Lower	Upper
97	100		
83	93.1	70.4	105.6
85	63.8	44.7	67.1
99	70.3	50.8	76.2

97 100

83 93.1 70.4 105.6

85 63.8 44.7 67.1

99 70.3 50.8 76.2



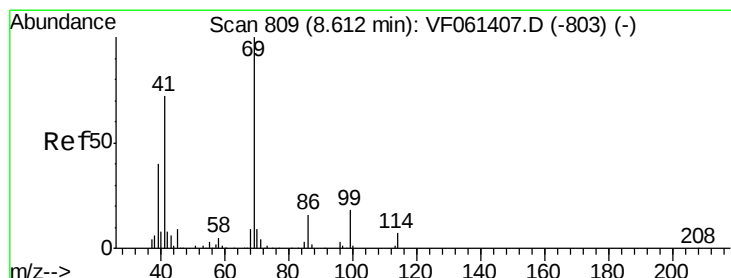
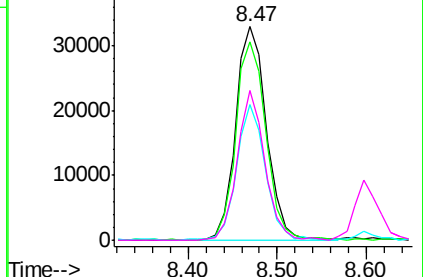
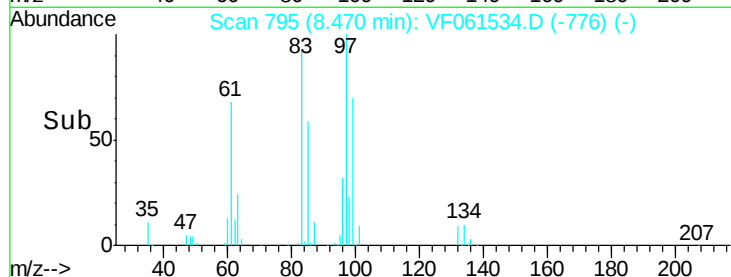
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

Time-->



#56

Ethyl methacrylate

Concen: 46.069 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

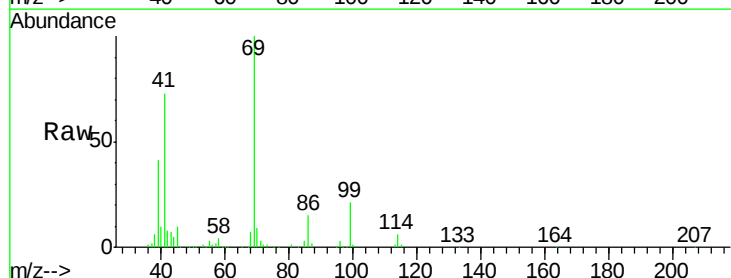
Tgt Ion: 69 Resp: 93245

Ion	Ratio	Lower	Upper
69	100		
41	73.4	57.5	86.3
39	41.5	32.0	48.0

69 100

41 73.4 57.5 86.3

39 41.5 32.0 48.0

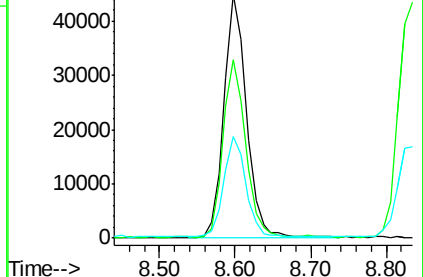
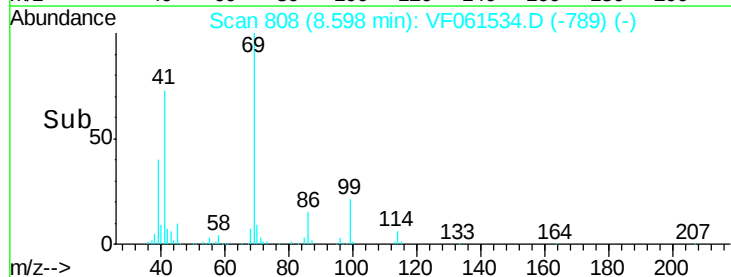


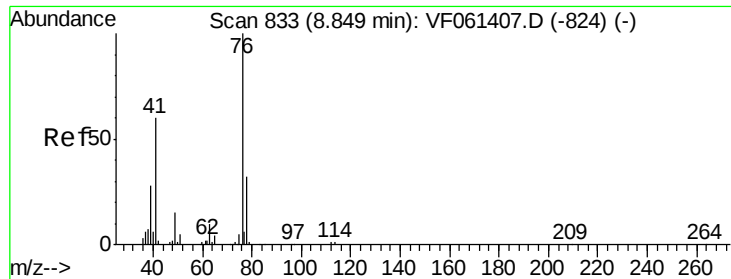
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->





#57

1,3-Dichloropropane

Concen: 43.671 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

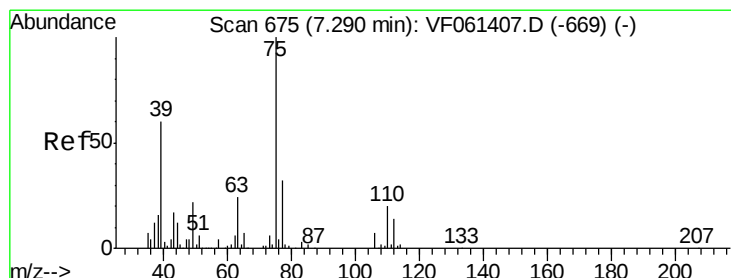
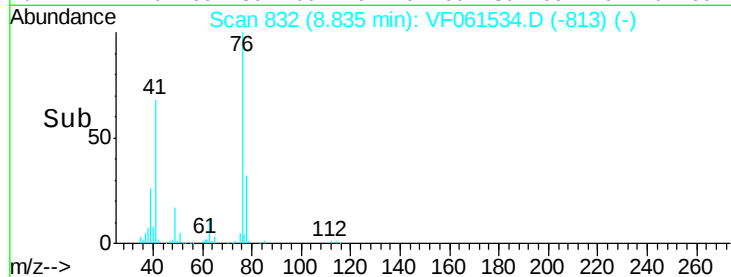
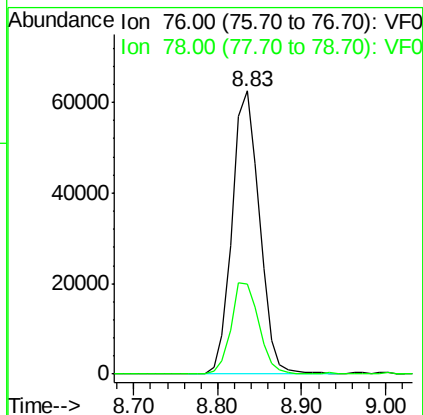
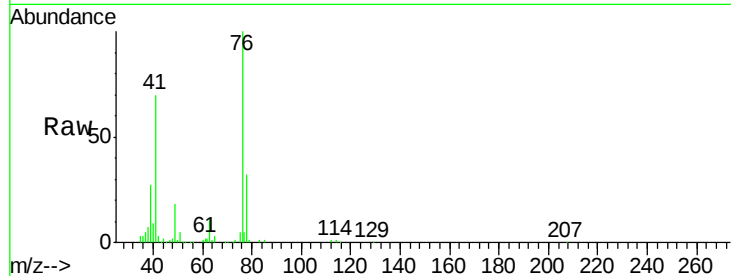
VSTDCCC050

Tot Ion: 76 Resp: 142405

Ion Ratio Lower Upper

76 100

78 31.6 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 255.261 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061534.D

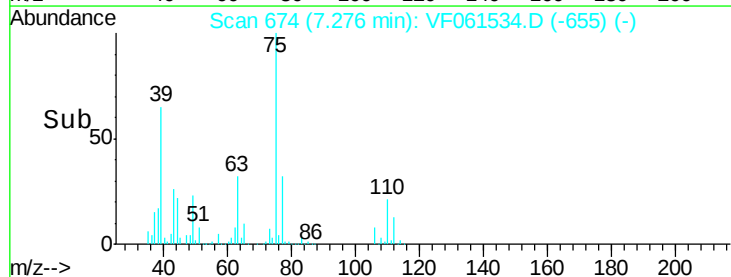
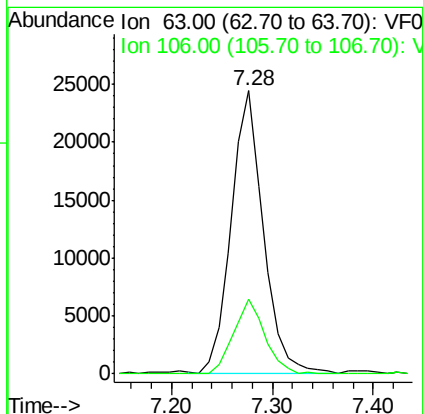
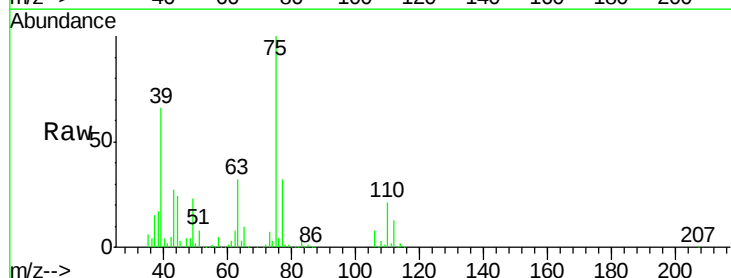
Acq: 28 Jan 2019 11:24

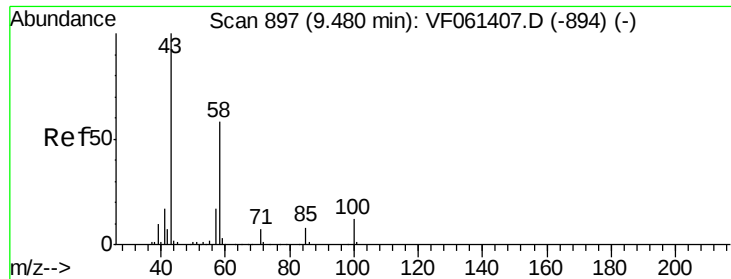
Tgt Ion: 63 Resp: 54316

Ion Ratio Lower Upper

63 100

106 26.4 21.9 32.9

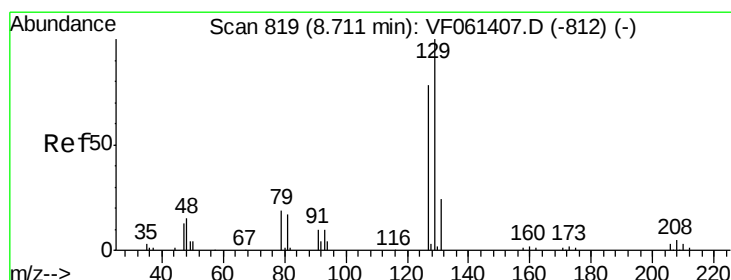
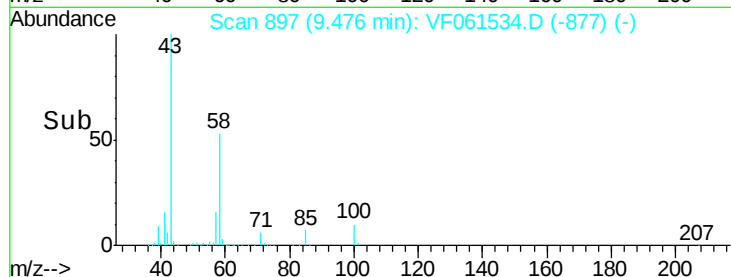
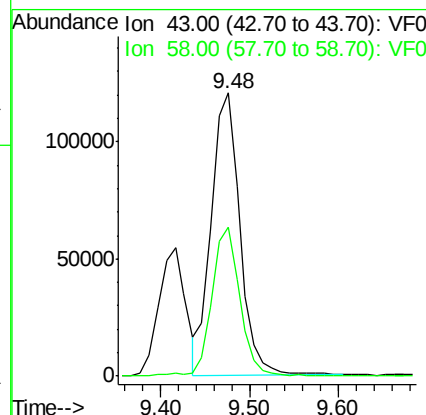
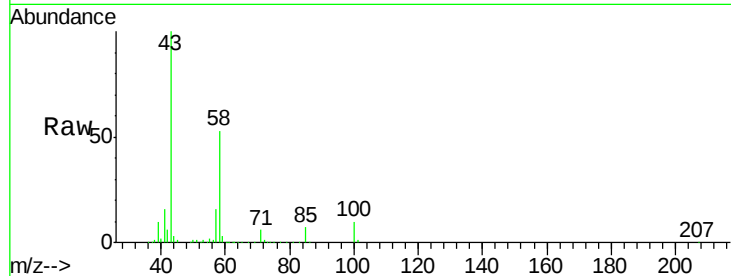




#59
2-Hexanone
Concen: 249.655 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

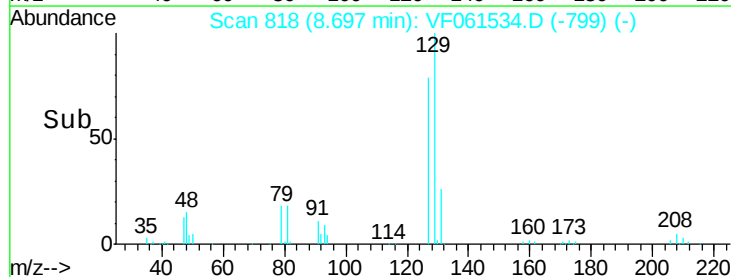
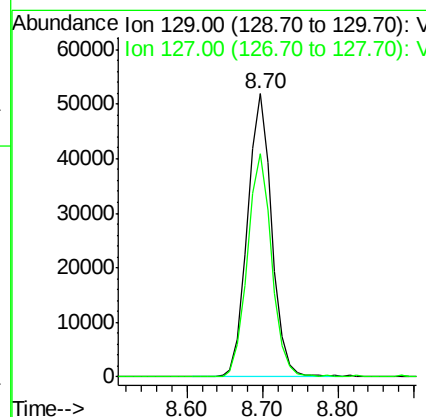
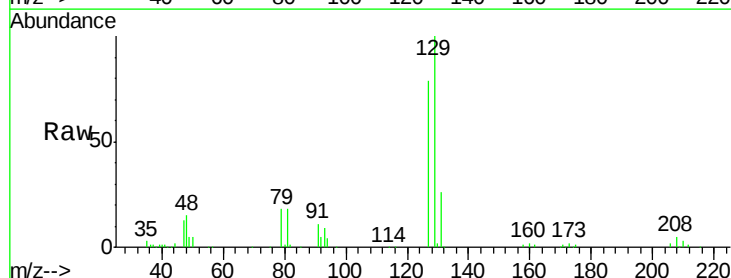
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

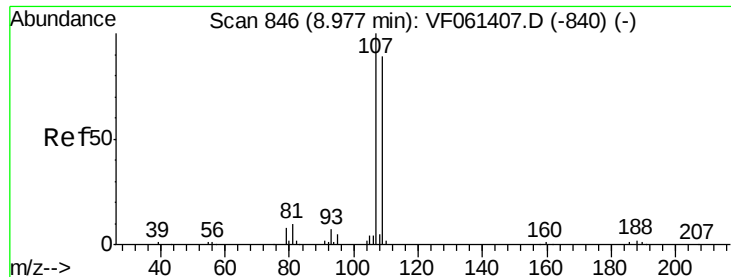
Tot Ion: 43 Resp: 268443
Ion Ratio Lower Upper
43 100
58 52.9 25.9 77.6



#60
Dibromochloromethane
Concen: 45.433 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion: 129 Resp: 115553
Ion Ratio Lower Upper
129 100
127 78.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 42.401 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

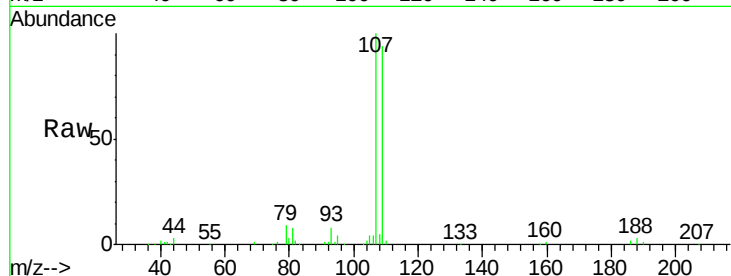
VSTDCCC050

Tot Ion:107 Resp: 84446

Ion Ratio Lower Upper

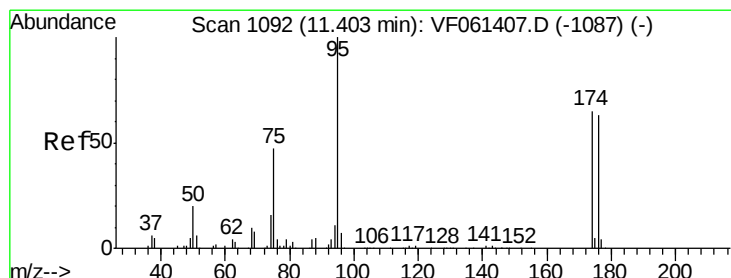
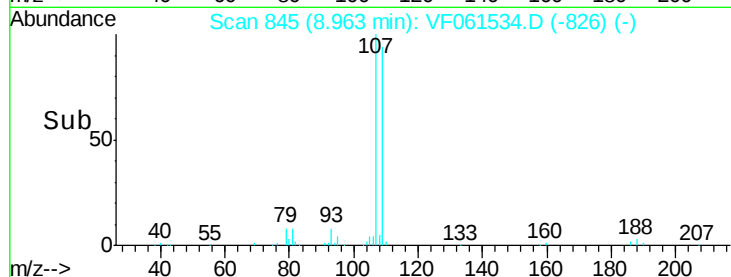
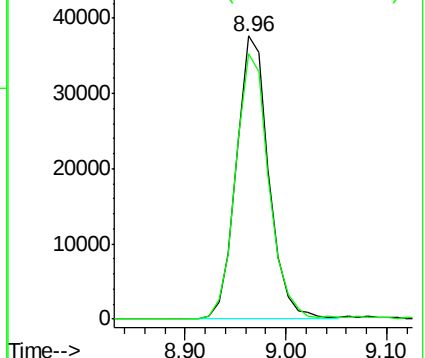
107 100

109 93.7 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 39.503 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

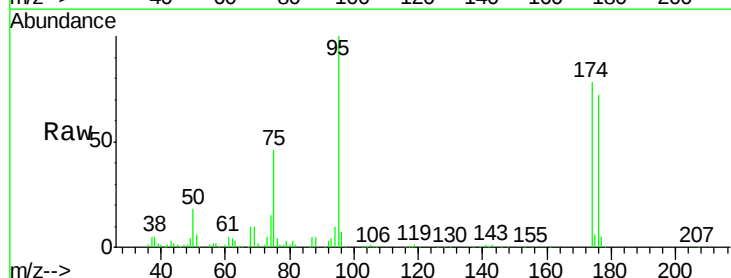
Tgt Ion: 95 Resp: 143884

Ion Ratio Lower Upper

95 100

174 77.5 0.0 130.4

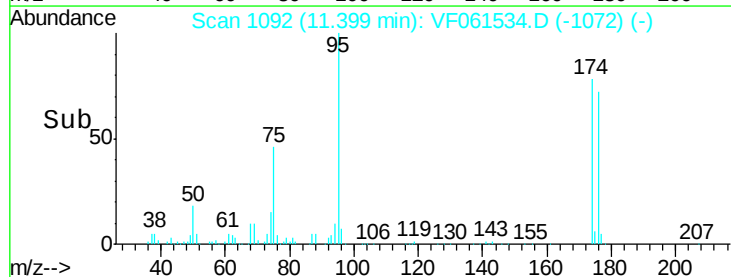
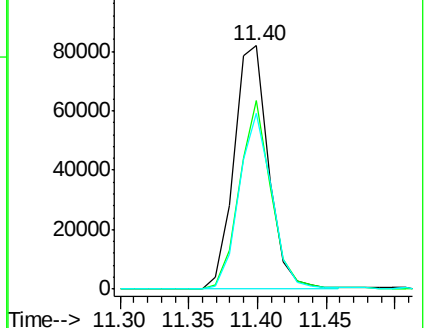
176 72.2 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

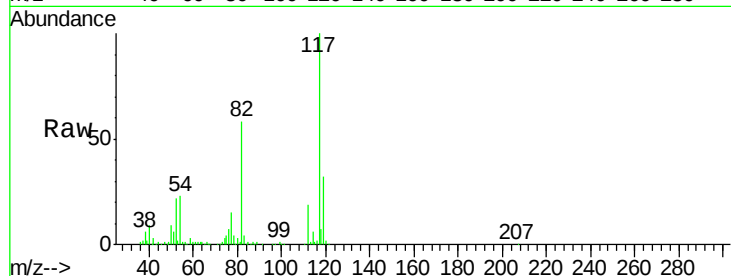




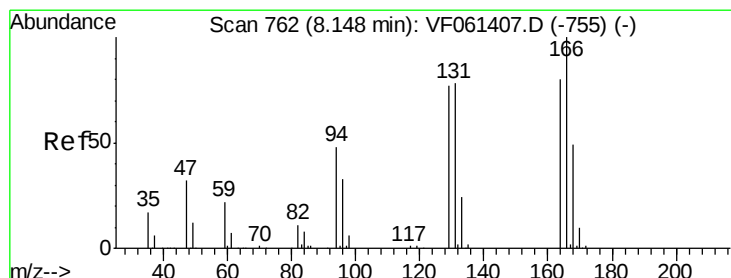
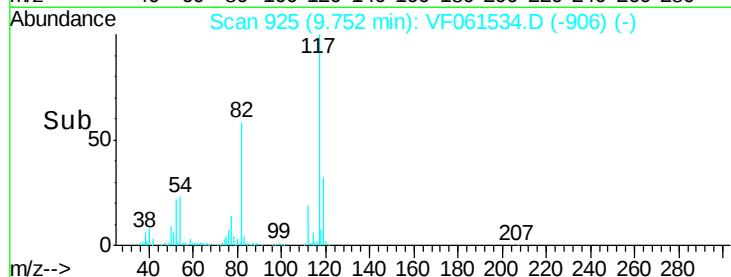
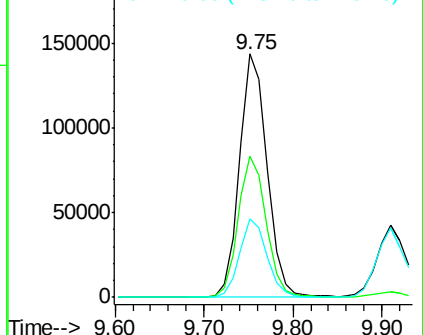
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 309054
Ion Ratio Lower Upper
117 100
82 57.9 46.4 69.6
119 32.4 27.2 40.8

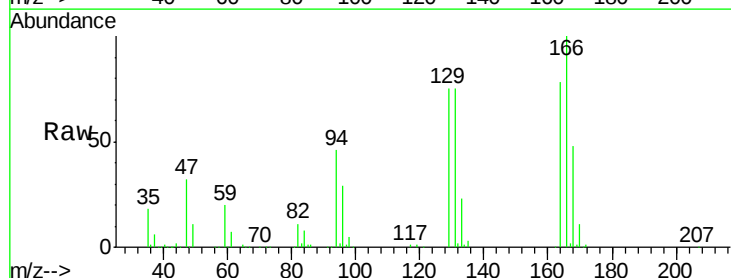


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

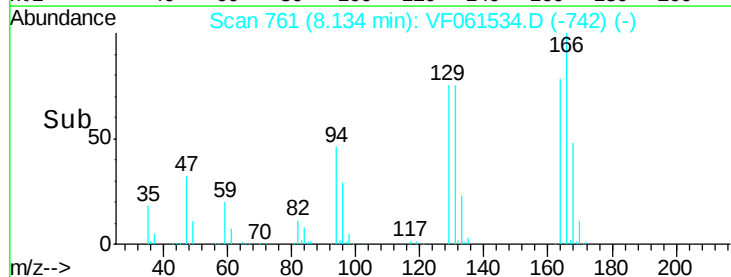
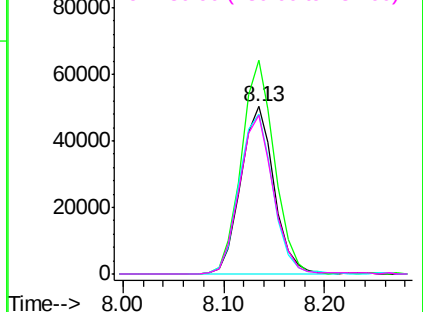


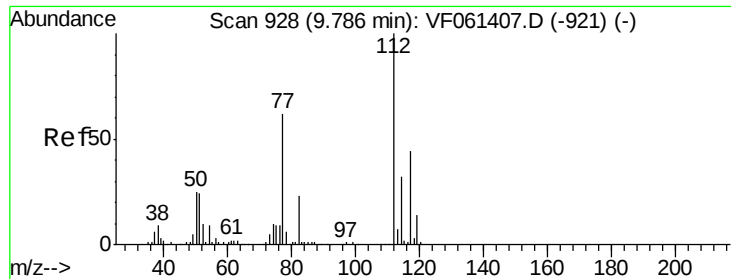
#64
Tetrachloroethene
Concen: 49.842 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion:164 Resp: 115838
Ion Ratio Lower Upper
164 100
166 127.7 99.6 149.4
129 95.6 76.4 114.6
131 95.2 77.9 116.9



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

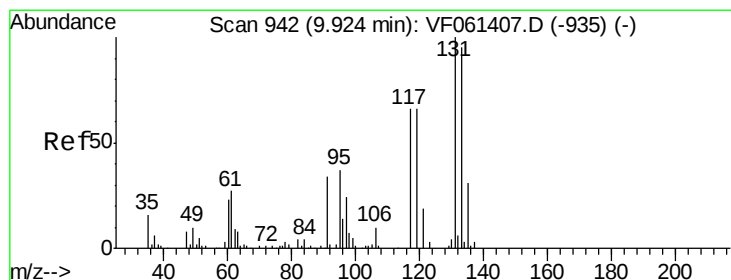
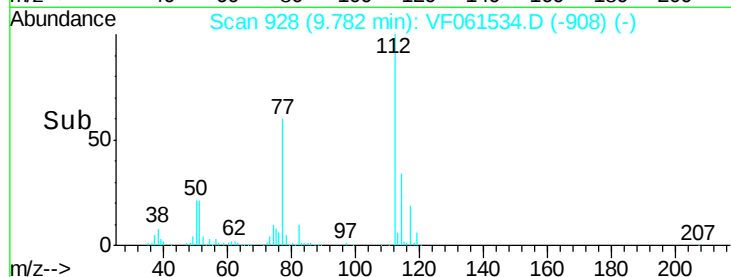
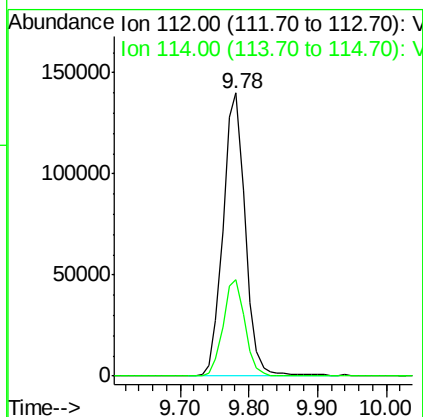
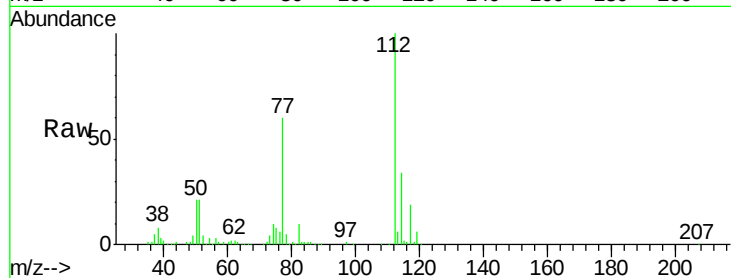




#65
Chlorobenzene
Concen: 49.799 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

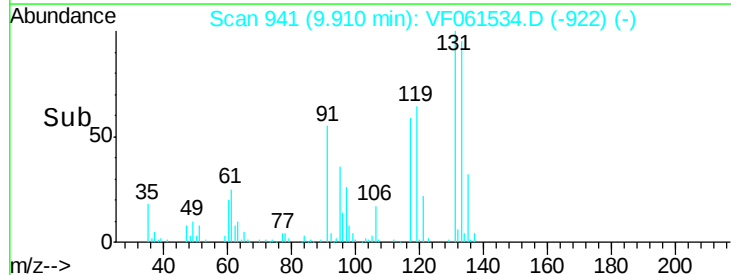
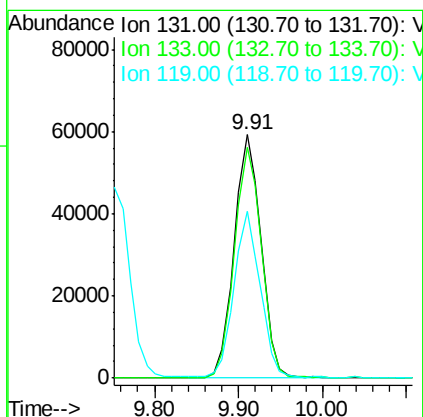
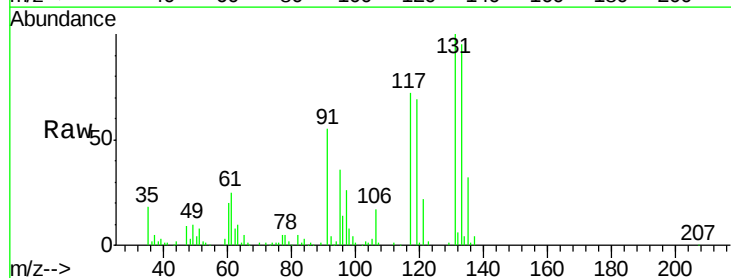
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

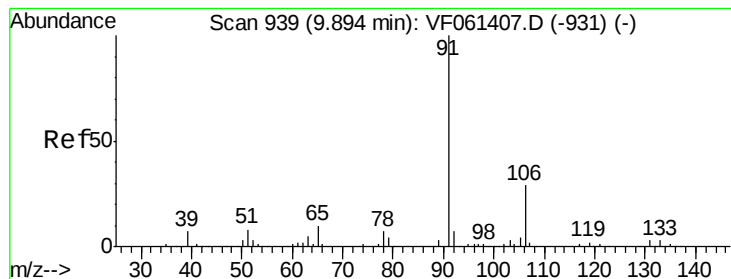
Tot Ion:112 Resp: 312977
Ion Ratio Lower Upper
112 100
114 33.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.801 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion:131 Resp: 132195
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.2
119 68.6 33.1 99.3





#67

Ethyl Benzene

Concen: 49.529 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

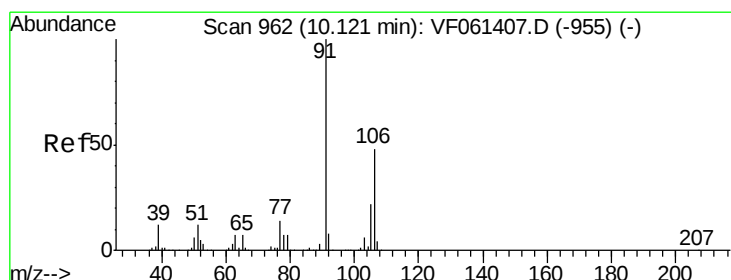
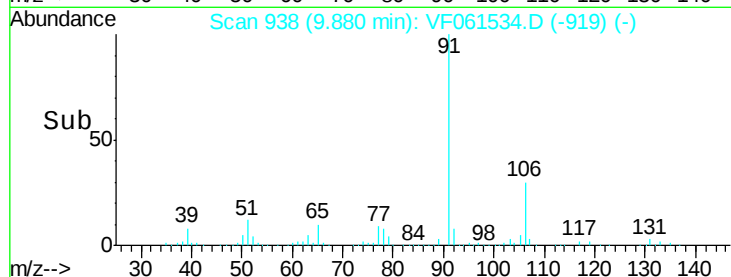
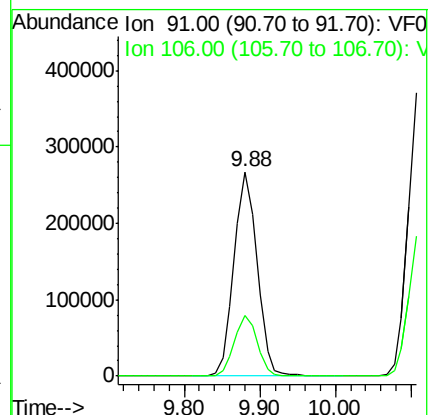
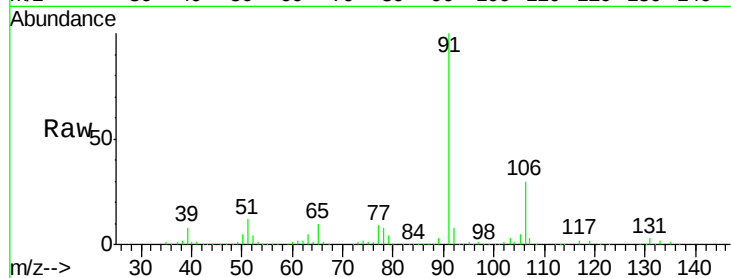
VSTDCCC050

Tot Ion: 91 Resp: 568719

Ion Ratio Lower Upper

91 100

106 29.7 23.1 34.7



#68

m/p-Xylenes

Concen: 96.416 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.01 min

Lab File: VF061534.D

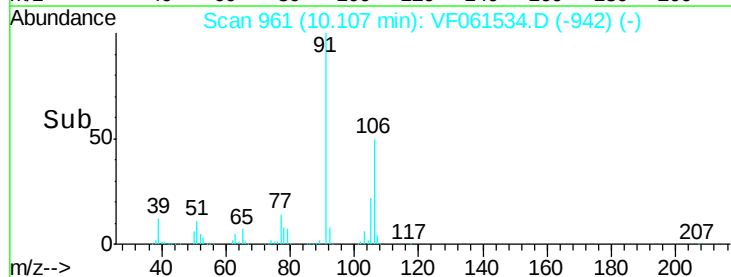
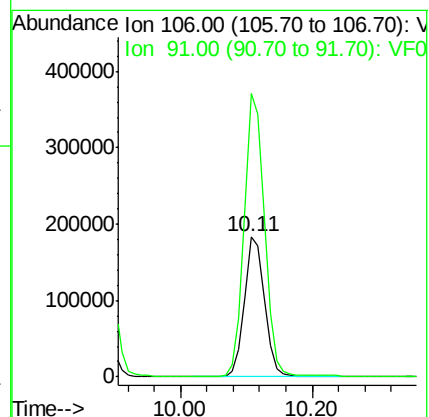
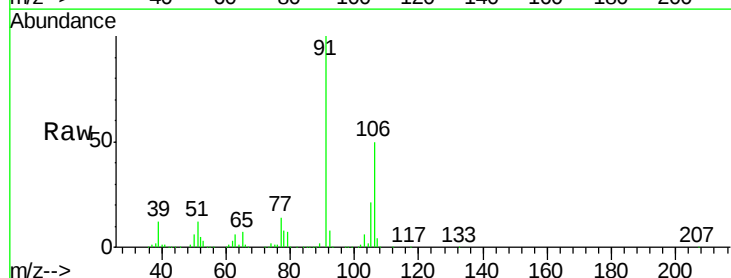
Acq: 28 Jan 2019 11:24

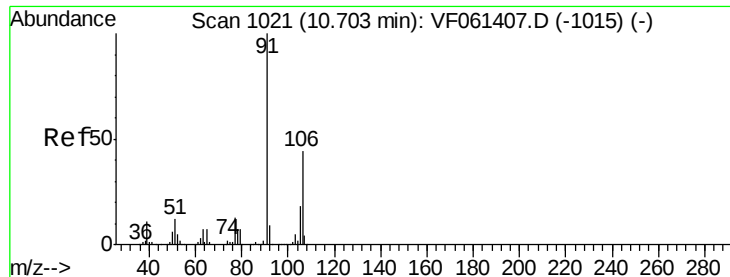
Tgt Ion: 106 Resp: 398194

Ion Ratio Lower Upper

106 100

91 201.3 166.2 249.4

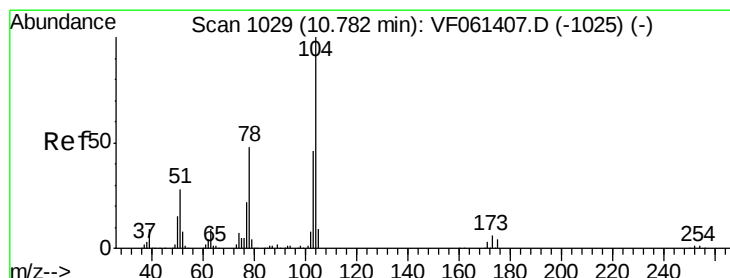
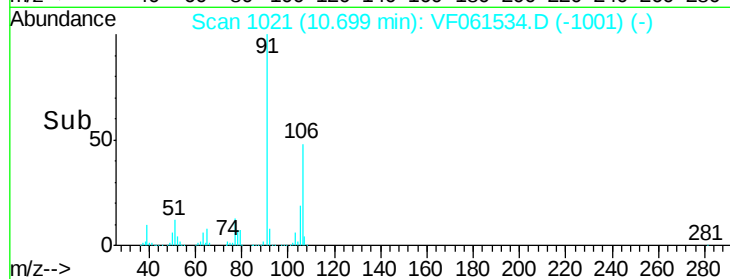
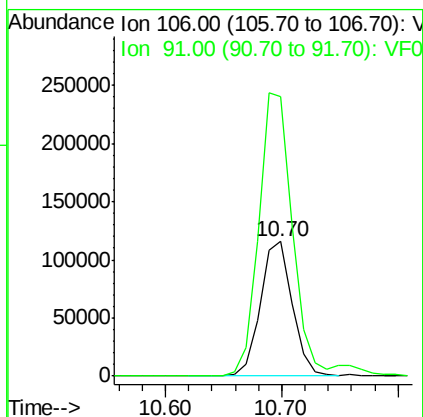
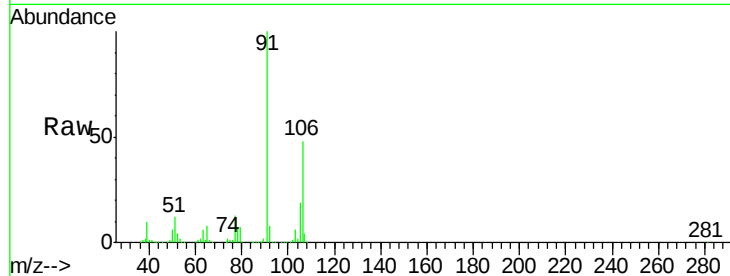




#69
o-Xylene
Concen: 49.178 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

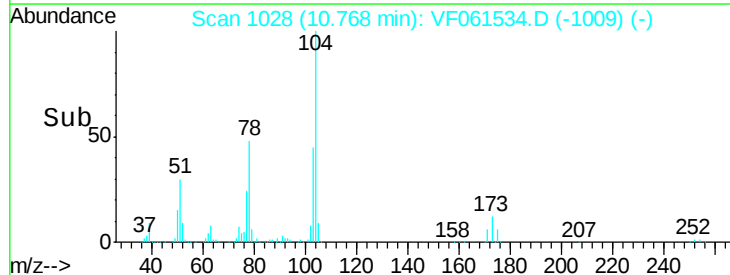
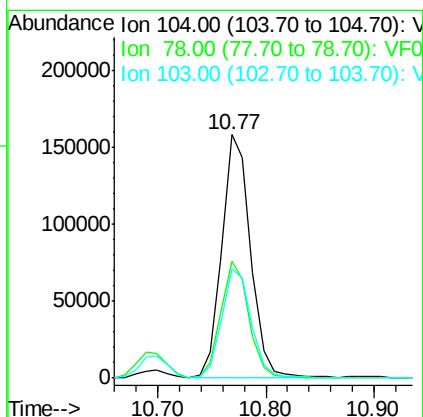
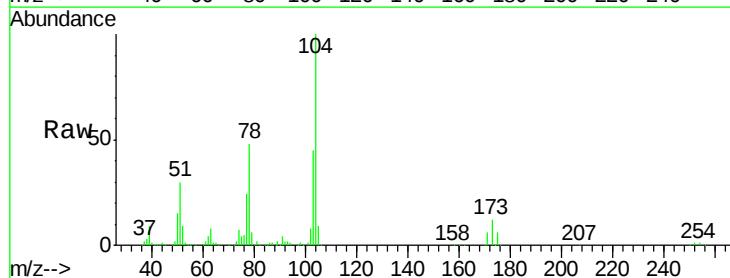
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

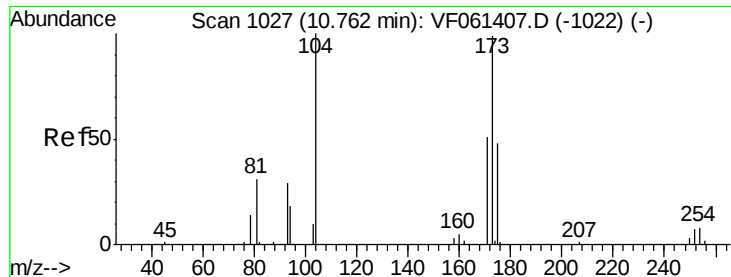
Tot Ion:106 Resp: 220126
Ion Ratio Lower Upper
106 100
91 207.2 113.3 339.8



#70
Styrene
Concen: 47.529 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion:104 Resp: 291216
Ion Ratio Lower Upper
104 100
78 48.1 38.8 58.2
103 44.8 37.0 55.6





#71

Bromoform

Concen: 50.071 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

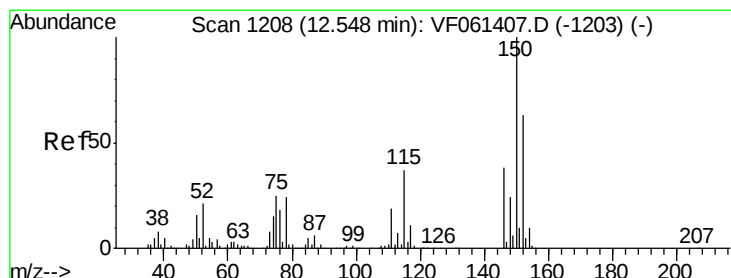
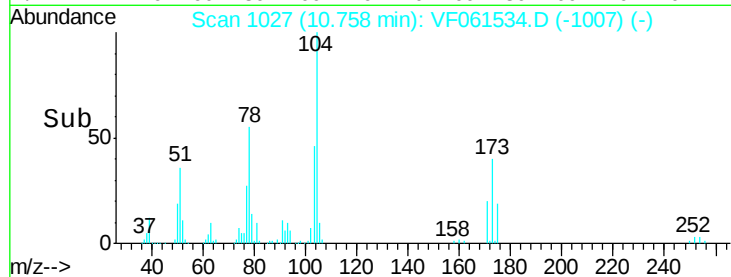
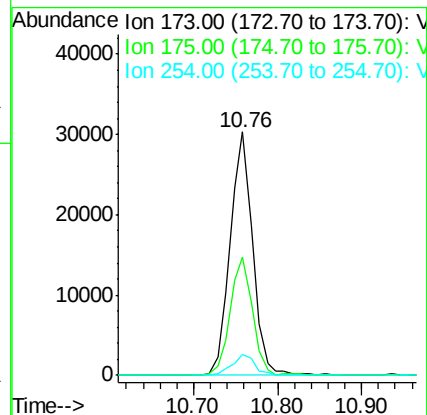
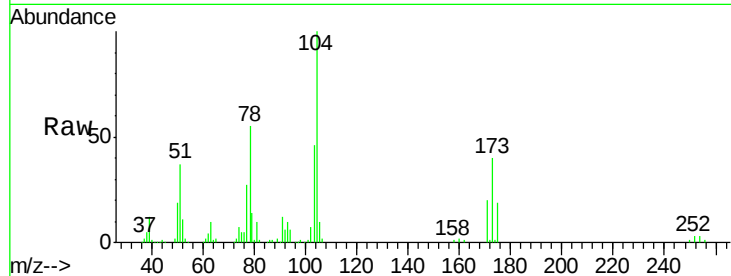
Tot Ion:173 Resp: 56325

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.4

254 8.7 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

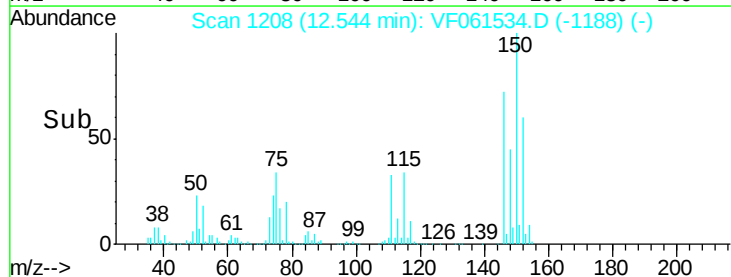
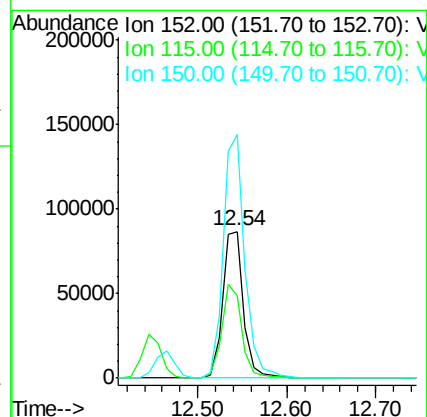
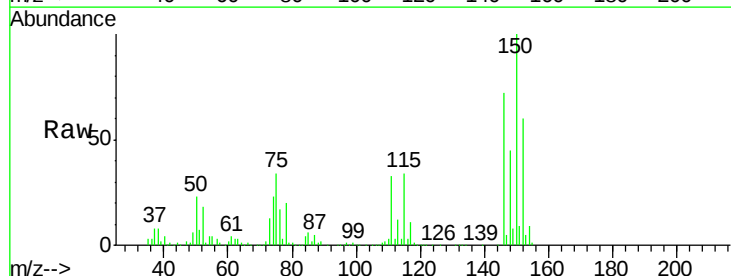
Tgt Ion:152 Resp: 142671

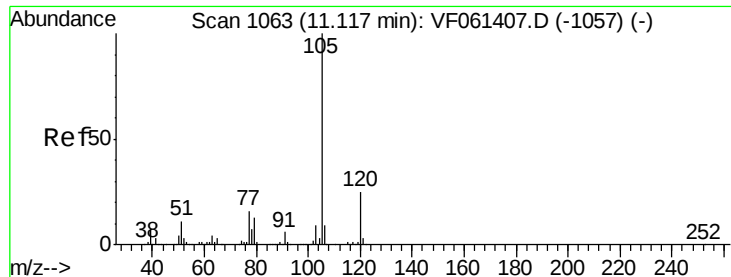
Ion Ratio Lower Upper

152 100

115 56.2 30.0 90.0

150 166.1 0.0 321.4





#73

Isopropylbenzene

Concen: 54.821 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

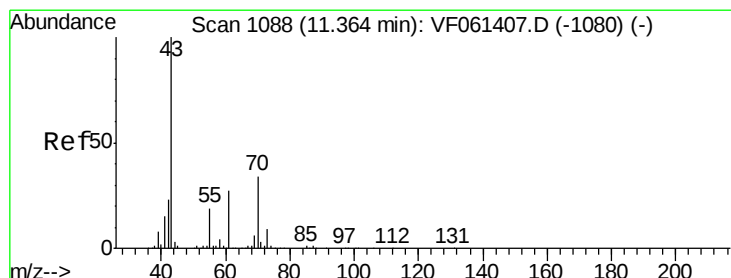
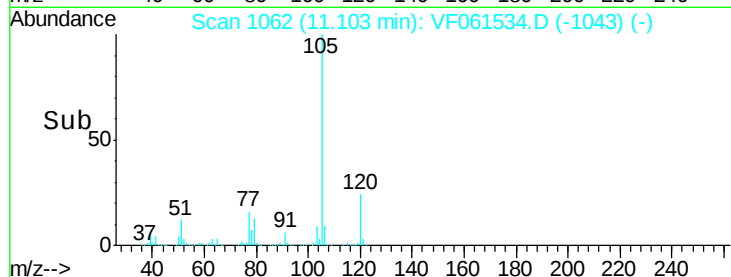
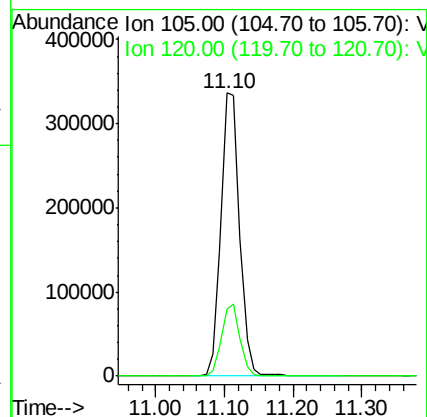
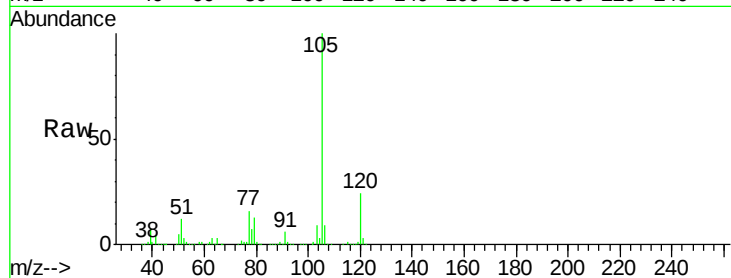
VSTDCCC050

Tot Ion:105 Resp: 636130

Ion Ratio Lower Upper

105 100

120 23.8 12.6 37.8



#74

N-ethyl acetate

Concen: 55.279 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Tgt Ion: 43 Resp: 151676

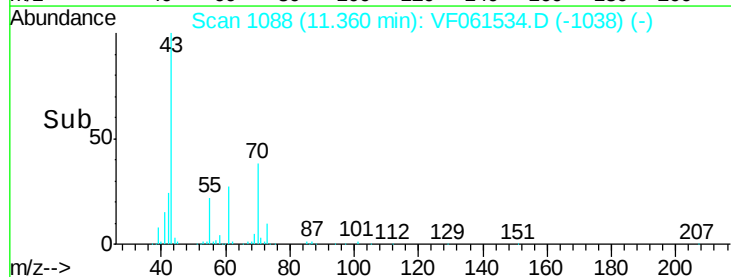
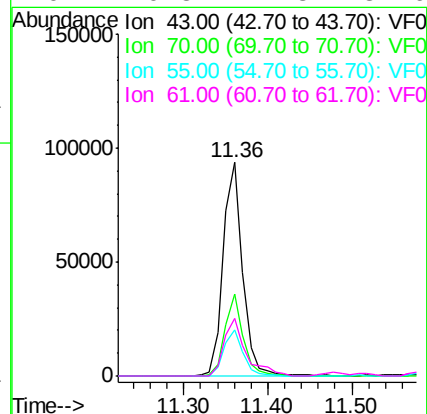
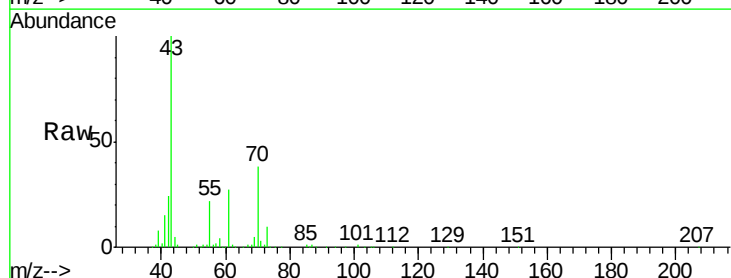
Ion Ratio Lower Upper

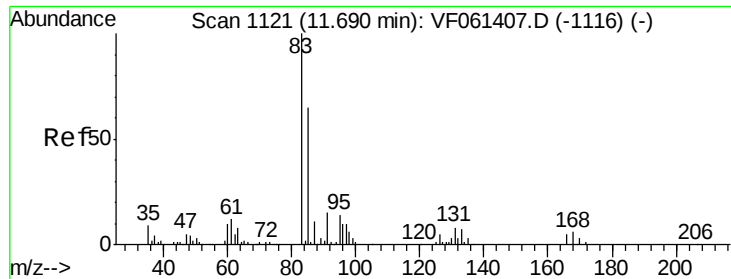
43 100

70 38.2 27.6 41.4

55 21.6 15.4 23.2

61 26.8 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.779 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

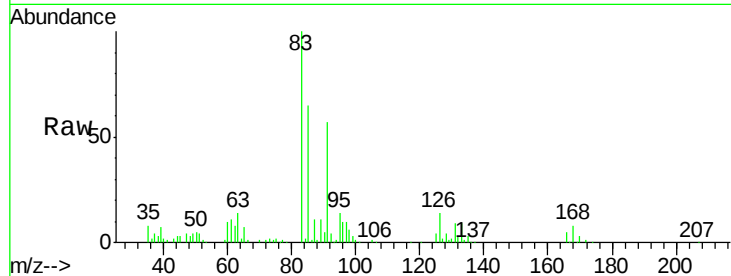
Tot Ion: 83 Resp: 104969

Ion Ratio Lower Upper

83 100

131 9.3 4.0 12.2

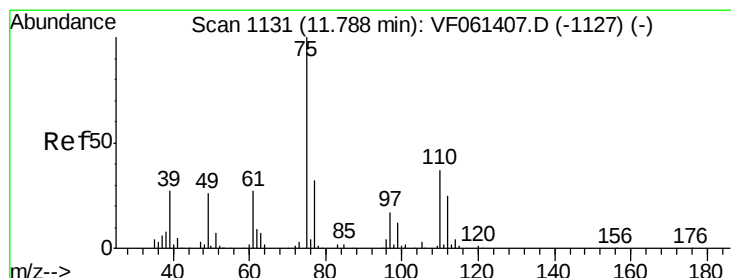
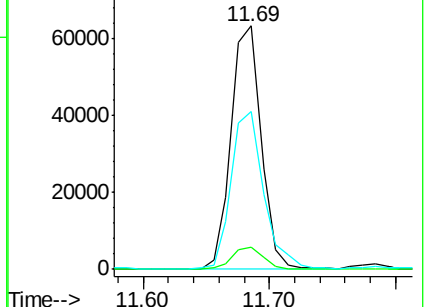
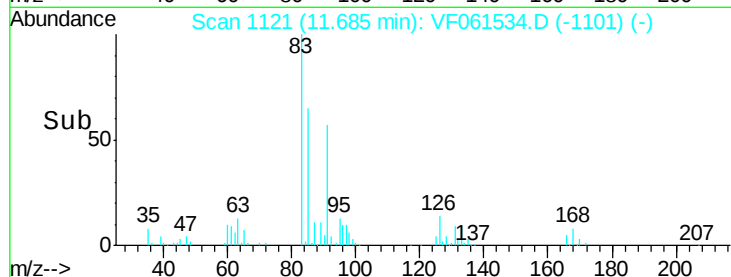
85 64.9 32.7 98.1



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: 48.932 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF061534.D

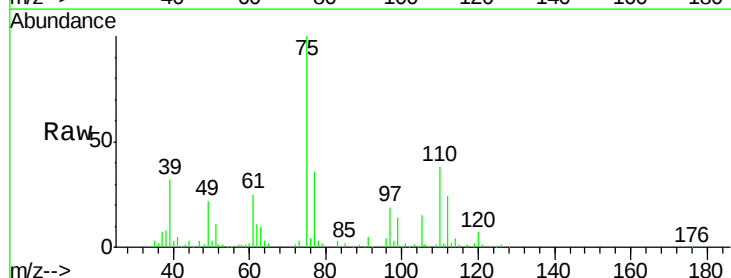
Acq: 28 Jan 2019 11:24

Tgt Ion: 75 Resp: 72681

Ion Ratio Lower Upper

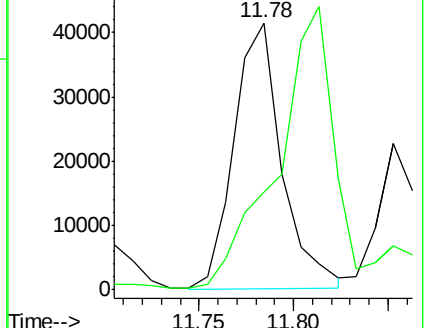
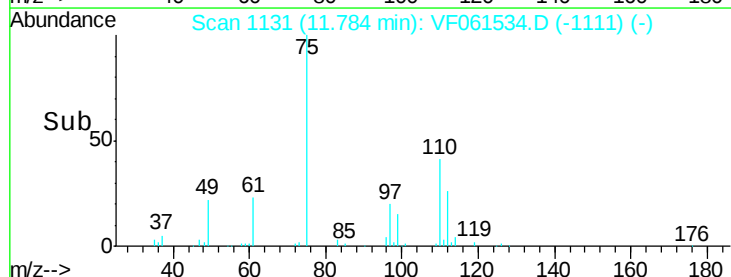
75 100

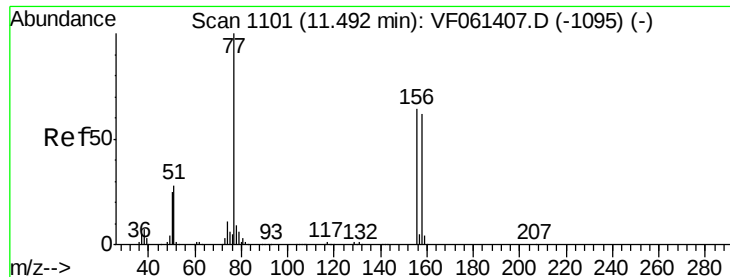
77 36.4 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 52.889 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

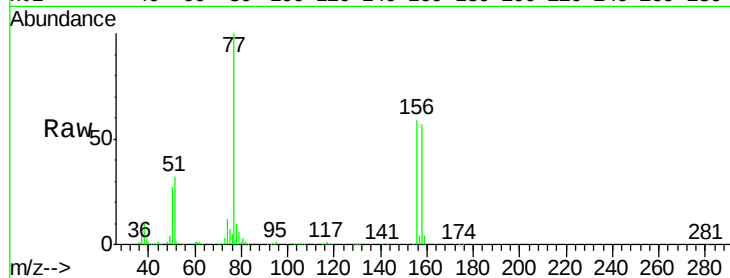
Tot Ion:156 Resp: 129610

Ion Ratio Lower Upper

156 100

77 169.9 78.3 234.9

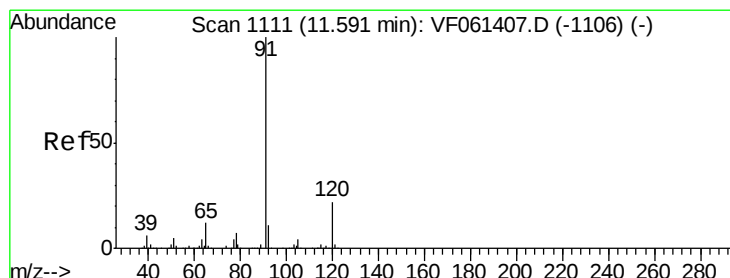
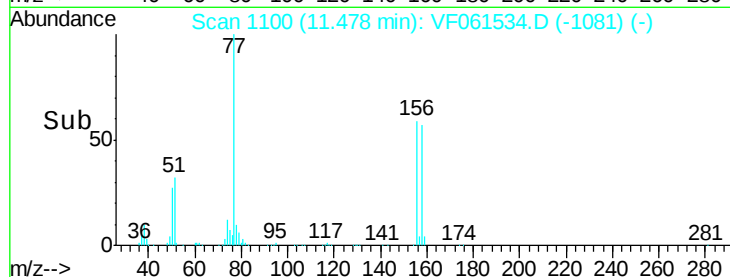
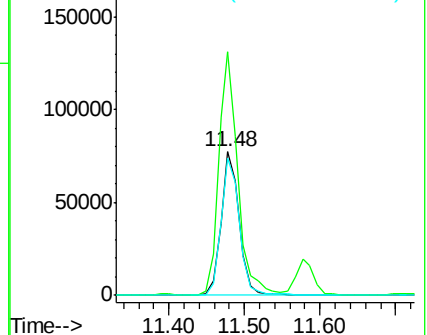
158 96.0 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 53.063 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VF061534.D

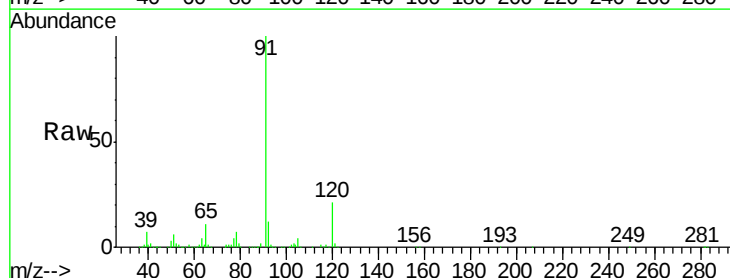
Acq: 28 Jan 2019 11:24

Tgt Ion: 91 Resp: 744207

Ion Ratio Lower Upper

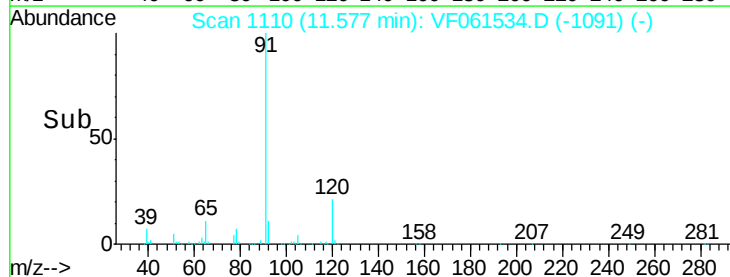
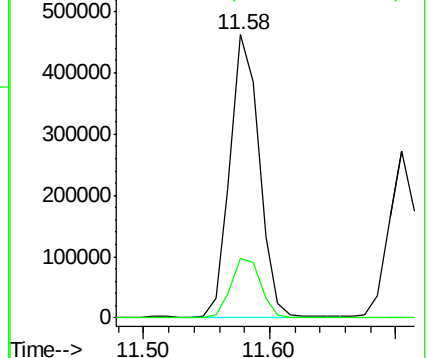
91 100

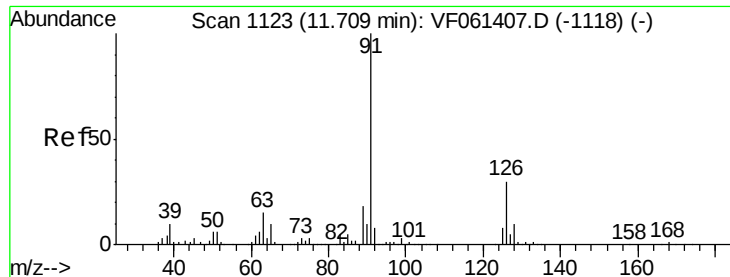
120 21.2 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

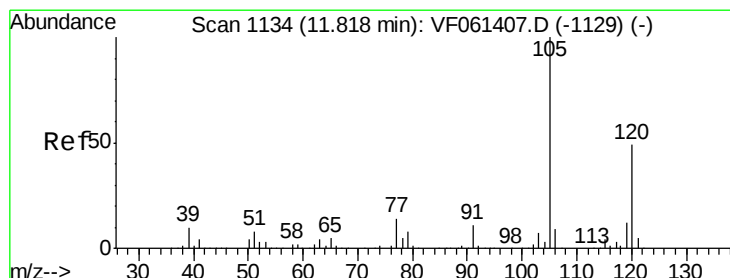
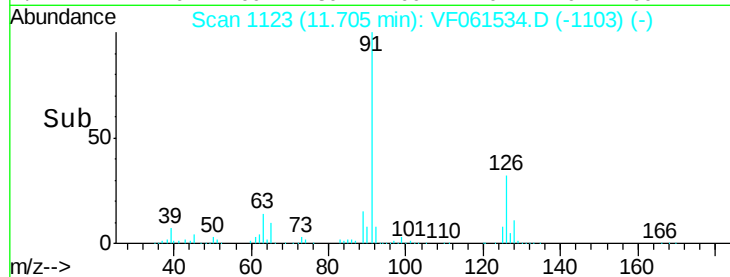
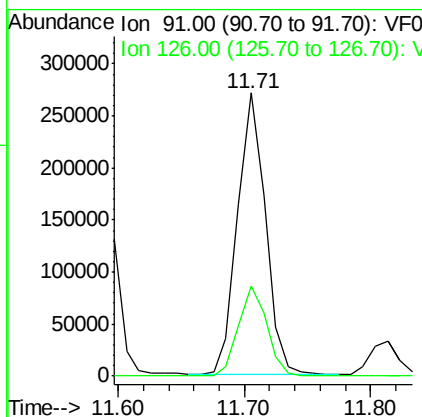
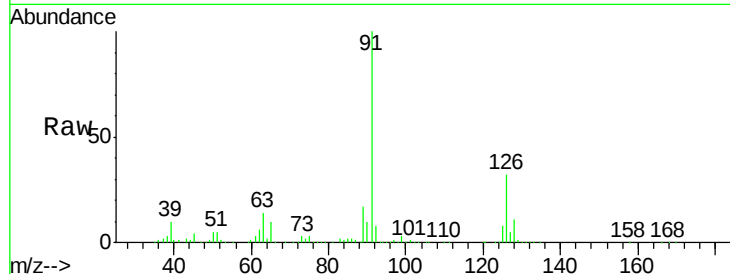




#79
 2-Chlorotoluene
 Concen: 51.593 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

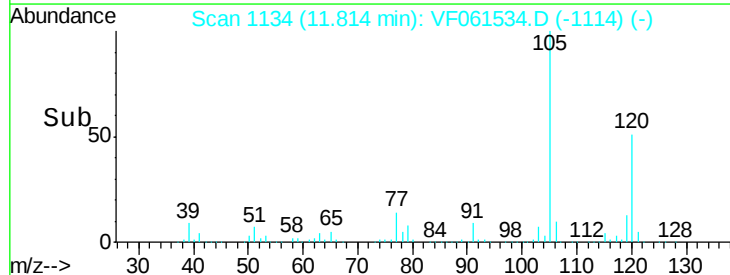
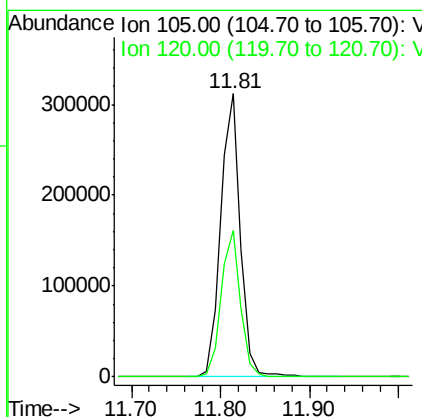
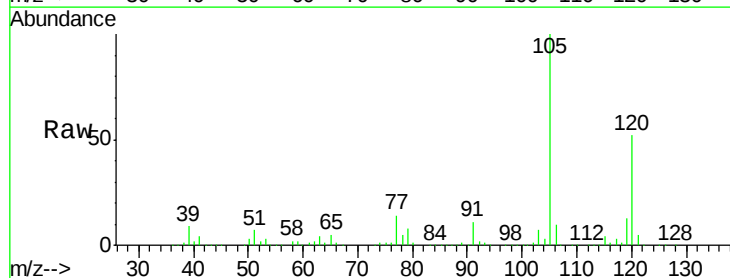
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

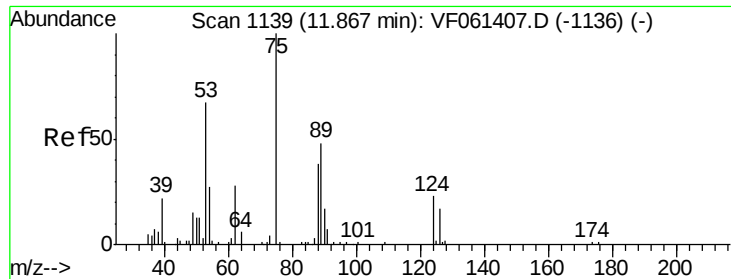
Tot Ion: 91 Resp: 415377
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.0 45.1



#80
 1,3,5-Trimethylbenzene
 Concen: 51.723 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion: 105 Resp: 484348
 Ion Ratio Lower Upper
 105 100
 120 51.6 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 73.204 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

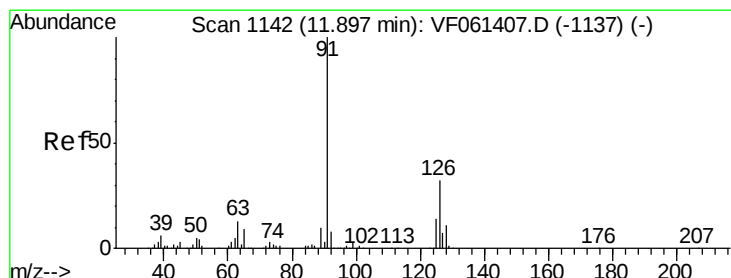
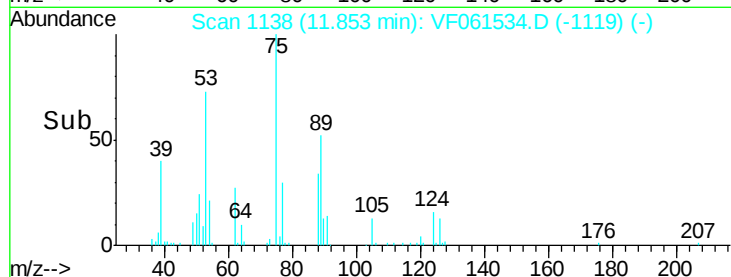
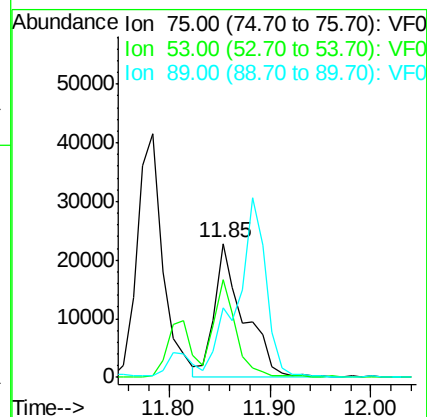
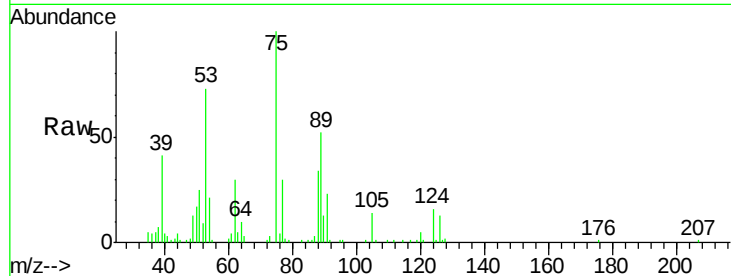
Tot Ion: 75 Resp: 47268

Ion Ratio Lower Upper

75 100

53 72.8 57.8 86.6

89 51.6 40.7 61.1



#82

4-Chlorotoluene

Concen: 50.770 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061534.D

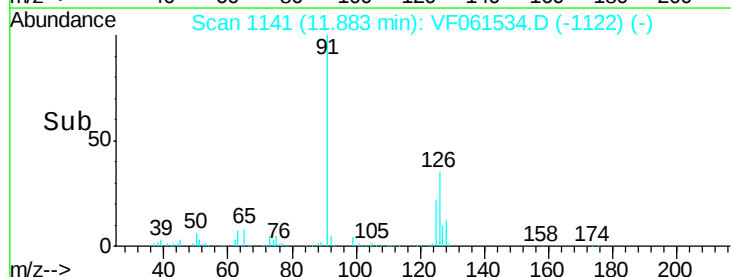
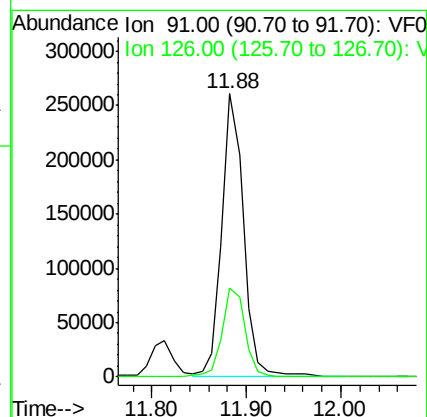
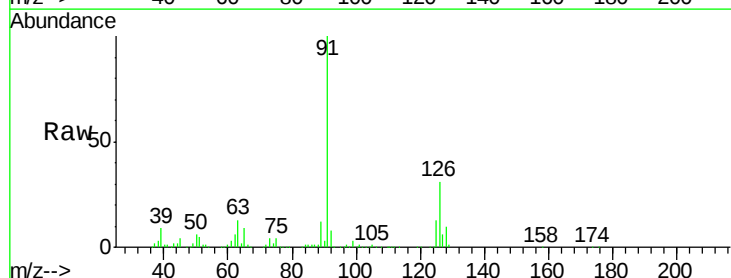
Acq: 28 Jan 2019 11:24

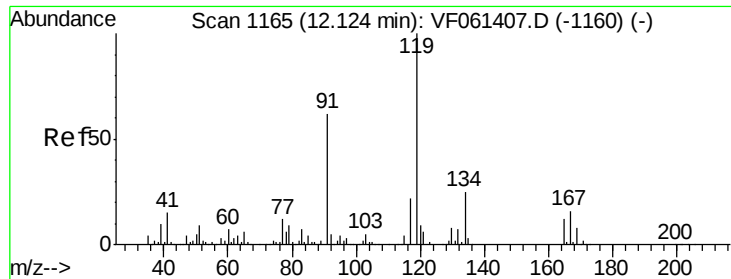
Tgt Ion: 91 Resp: 412471

Ion Ratio Lower Upper

91 100

126 31.4 16.0 47.9

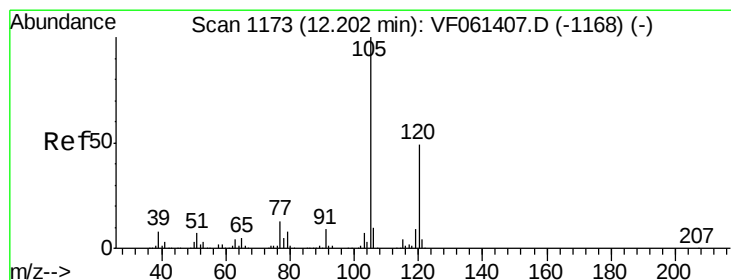
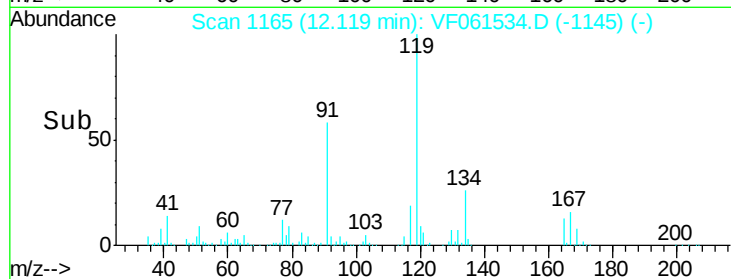
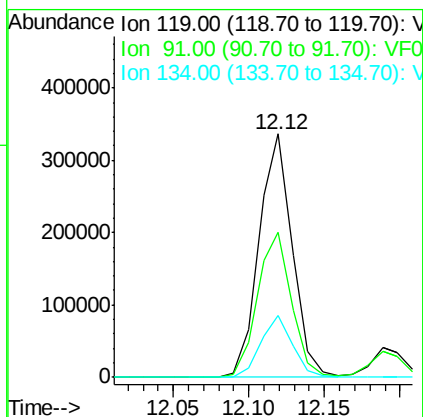
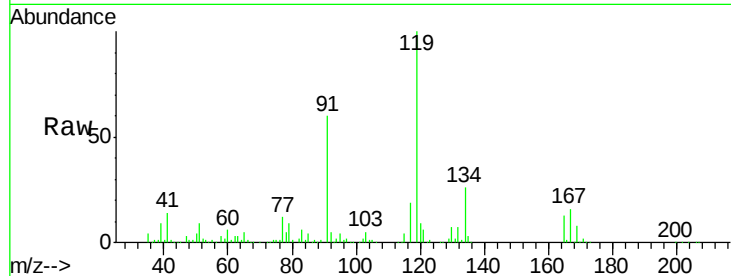




#83
 tert-Butylbenzene
 Concen: 53.446 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

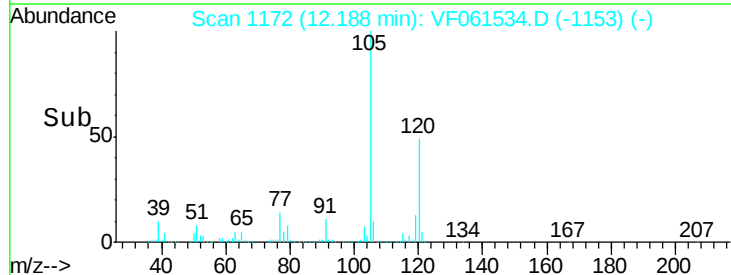
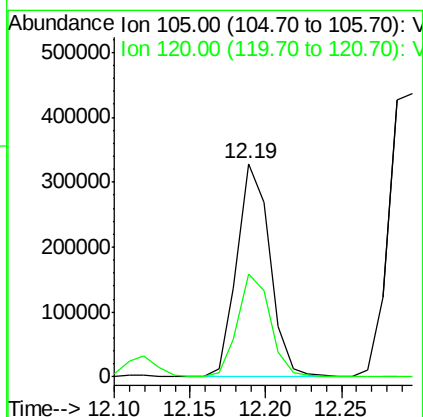
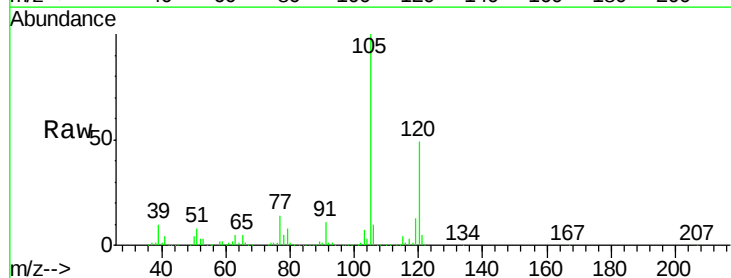
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 518013
 Ion Ratio Lower Upper
 119 100
 91 59.8 31.3 93.8
 134 25.6 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.742 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion:105 Resp: 499091
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.9 74.6





#85

sec-Butylbenzene

Concen: 54.697 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

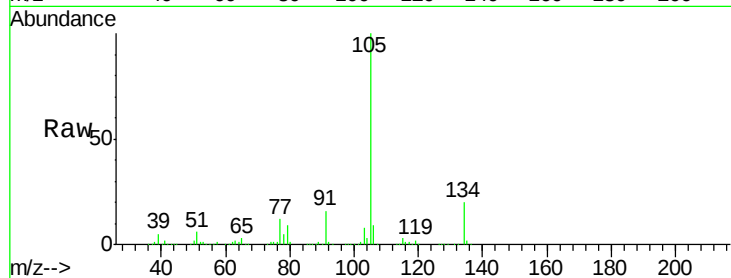
VSTDCCC050

Tot Ion:105 Resp: 719940

Ion Ratio Lower Upper

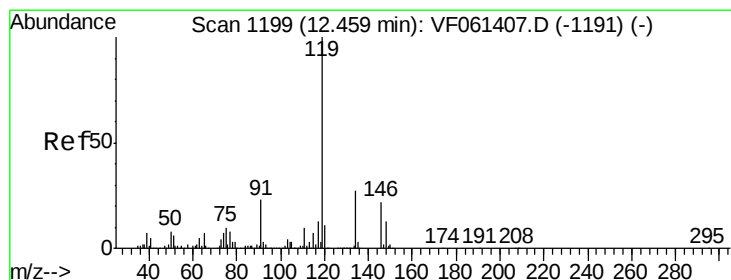
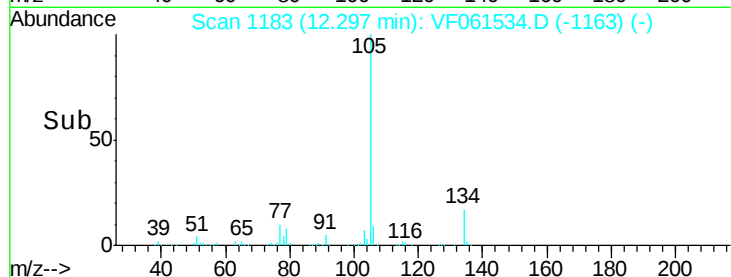
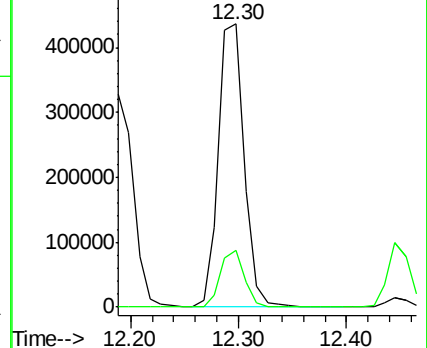
105 100

134 20.1 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.205 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

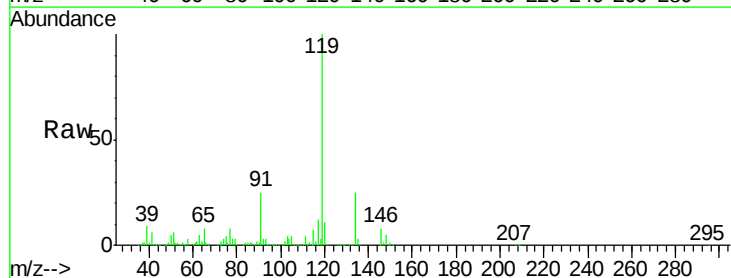
Tgt Ion:119 Resp: 574877

Ion Ratio Lower Upper

119 100

134 25.2 13.4 40.2

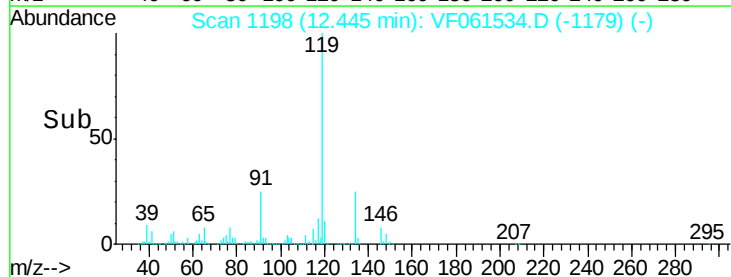
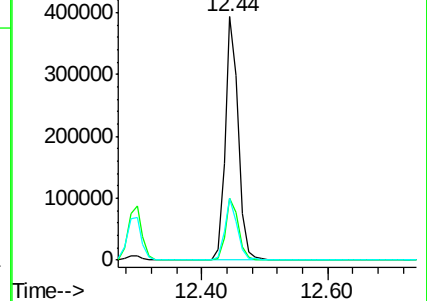
91 25.2 11.4 34.2

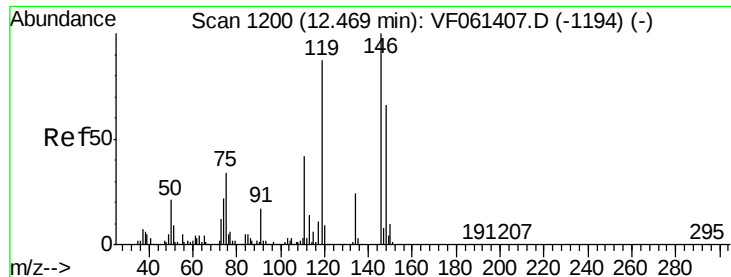


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

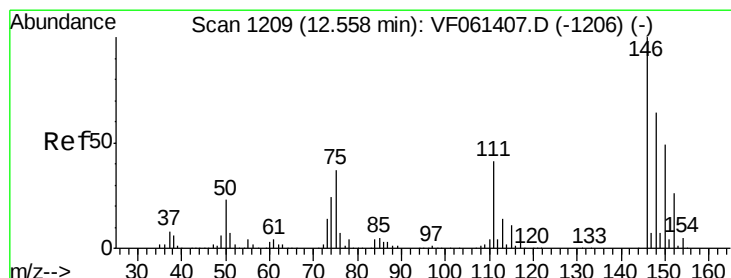
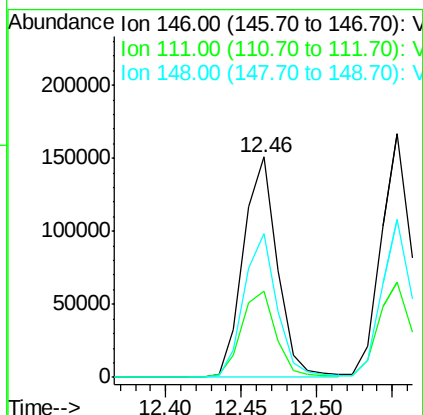
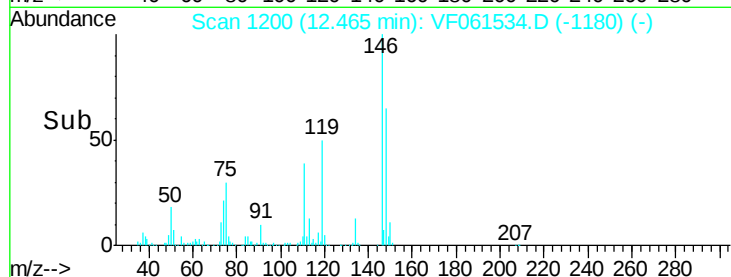
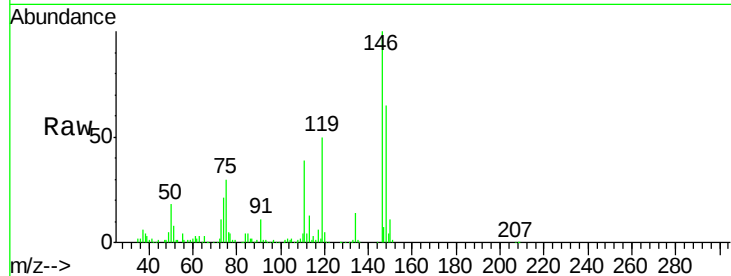




#87
 1,3-Dichlorobenzene
 Concen: 48.460 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

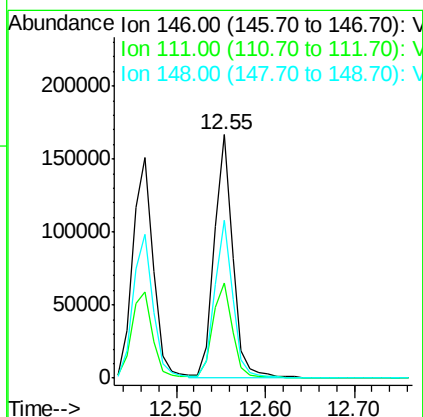
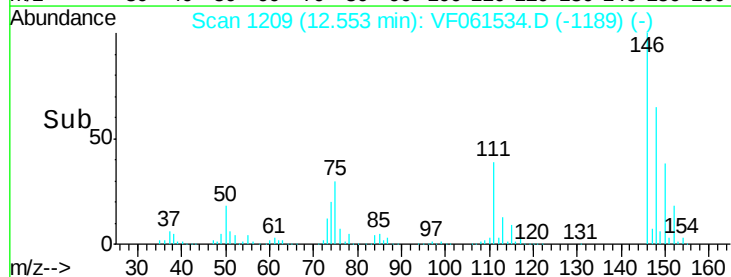
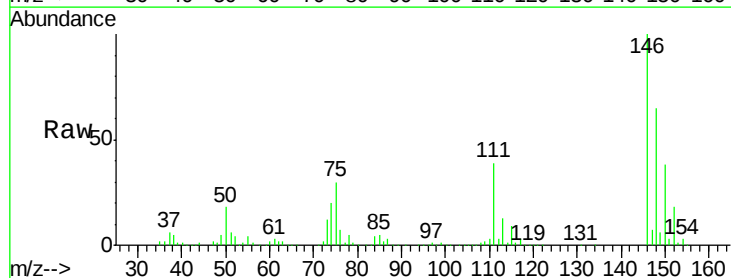
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

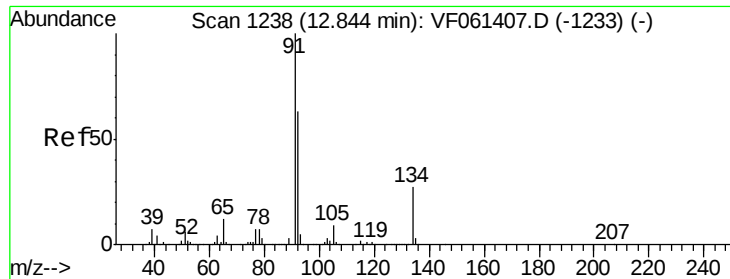
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.1	63.4
148	65.5	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 52.361 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.8	62.2
148	65.0	32.1	96.5

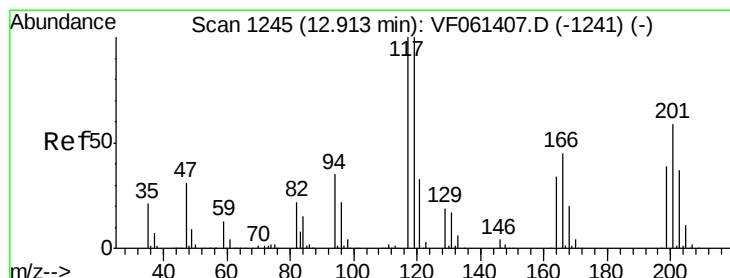
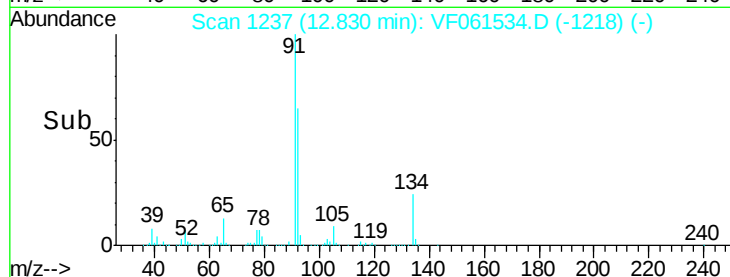
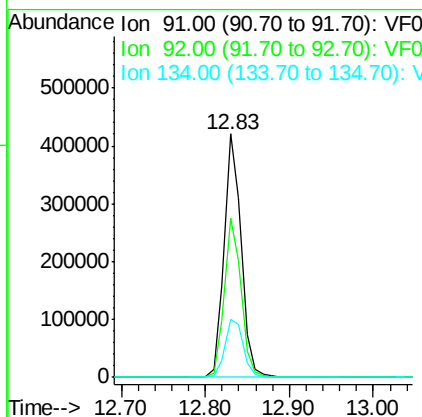
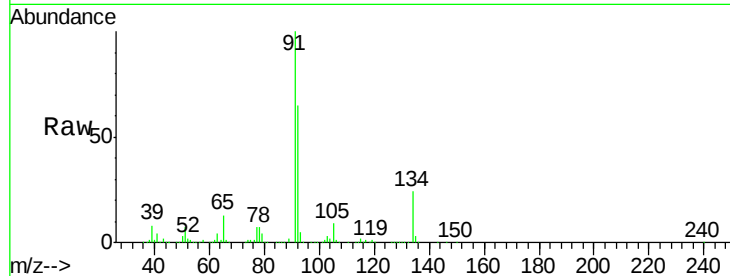




#89
n-Butylbenzene
Concen: 53.333 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

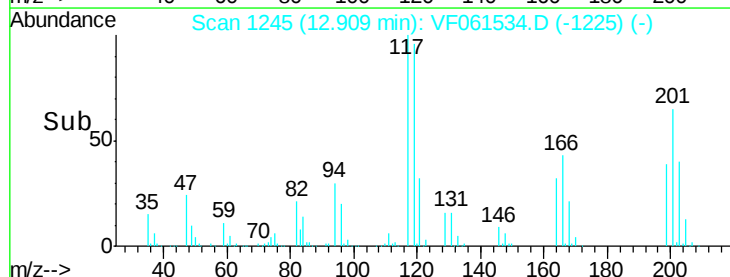
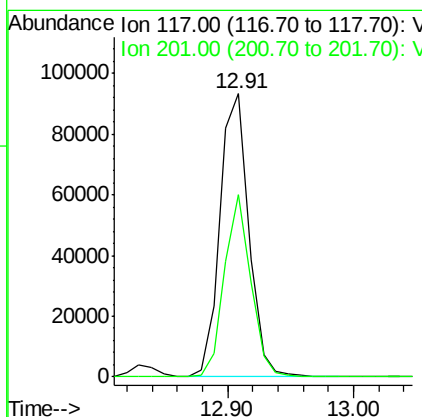
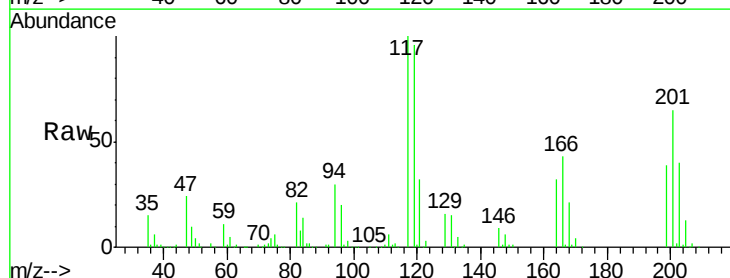
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

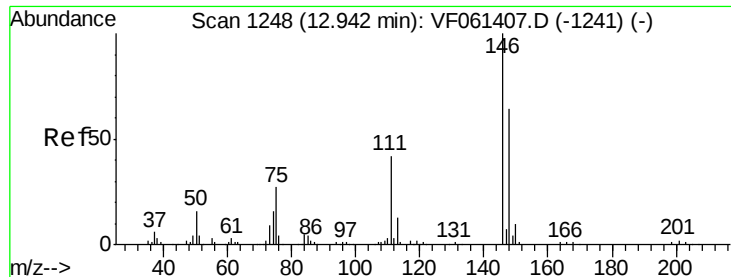
Tot Ion: 91 Resp: 594298
Ion Ratio Lower Upper
91 100
92 65.2 31.6 94.7
134 23.8 13.6 40.8



#90
Hexachloroethane
Concen: 57.948 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061534.D
Acq: 28 Jan 2019 11:24

Tgt Ion: 117 Resp: 147593
Ion Ratio Lower Upper
117 100
201 64.5 29.3 87.8

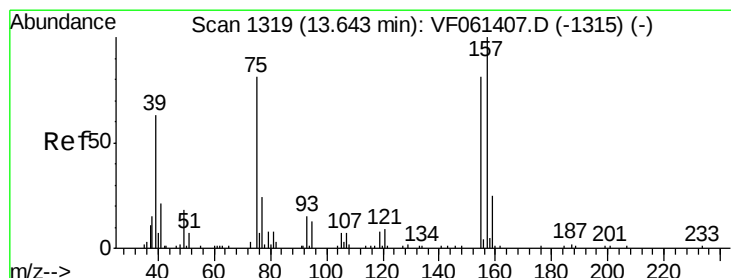
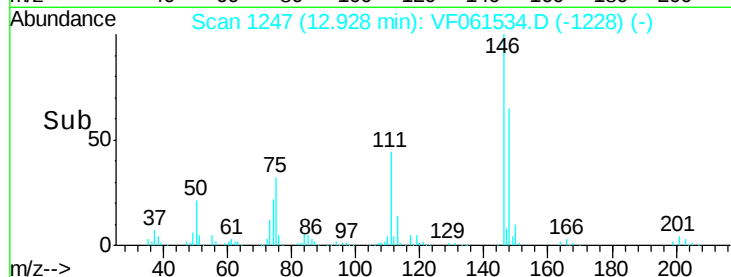
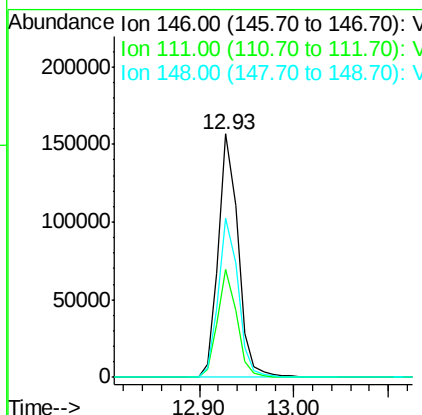
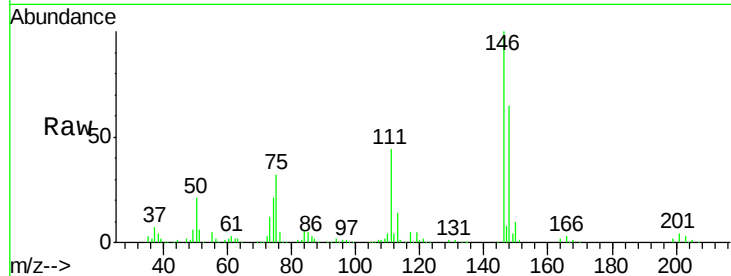




#91
 1,2-Dichlorobenzene
 Concen: 49.729 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

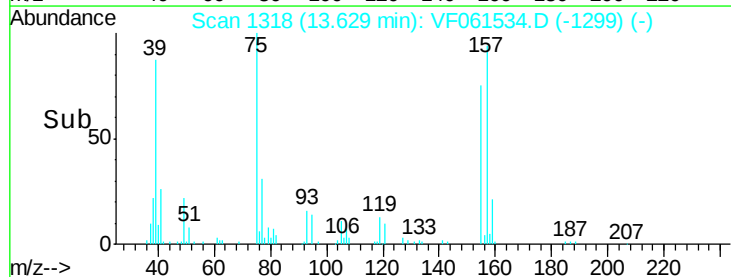
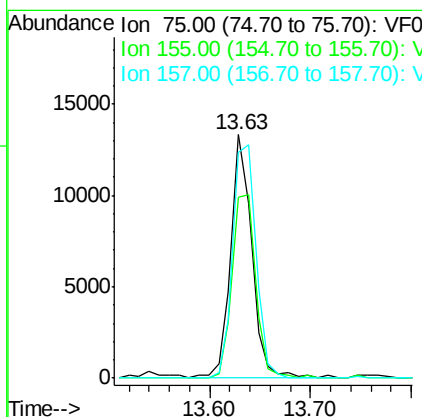
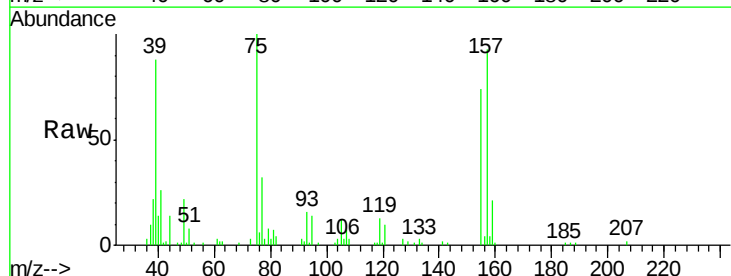
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 227970
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.1 63.3
 148 65.1 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.255 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion: 75 Resp: 19526
 Ion Ratio Lower Upper
 75 100
 155 74.2 49.7 149.1
 157 92.7 61.4 184.1

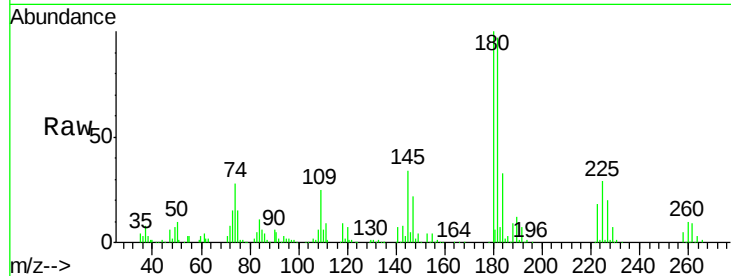




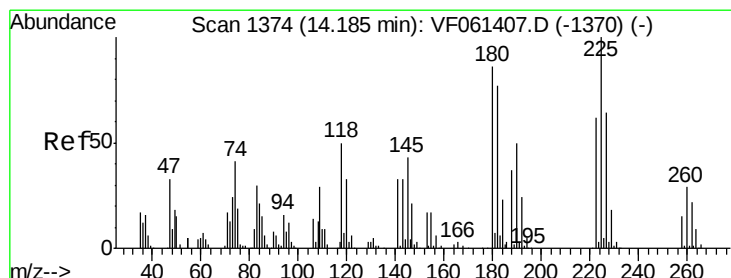
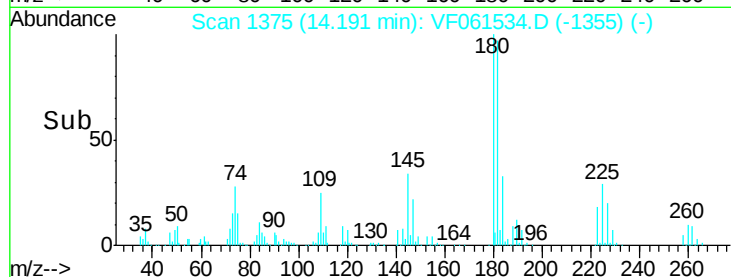
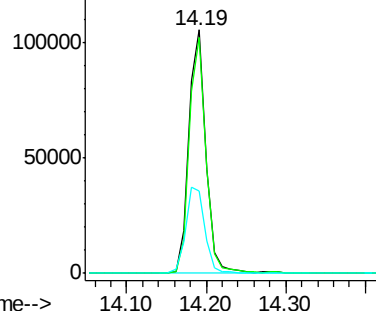
#93
 1,2,4-Trichlorobenzene
 Concen: 50.234 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 161321
 Ion Ratio Lower Upper
 180 100
 182 96.8 48.5 145.6
 145 34.0 17.5 52.6

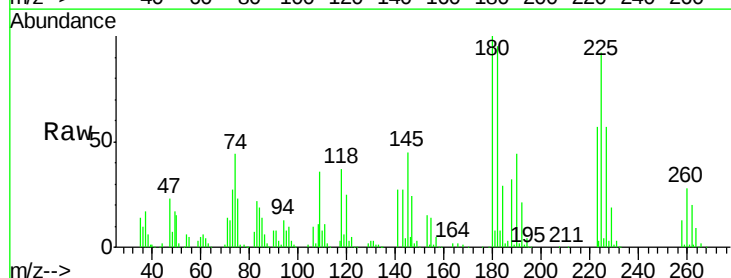


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

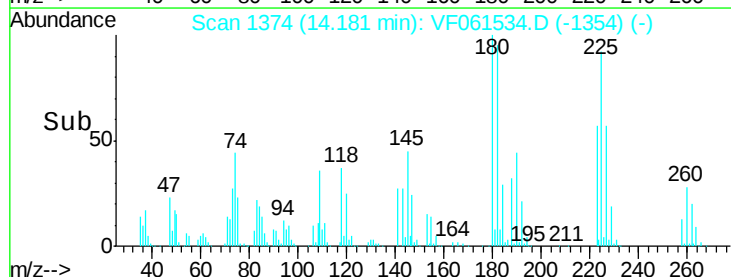
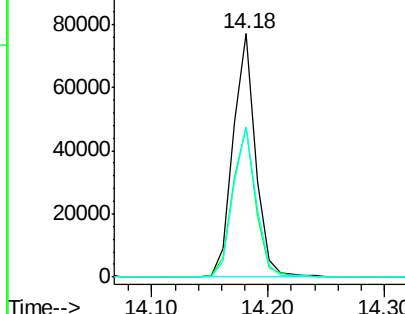


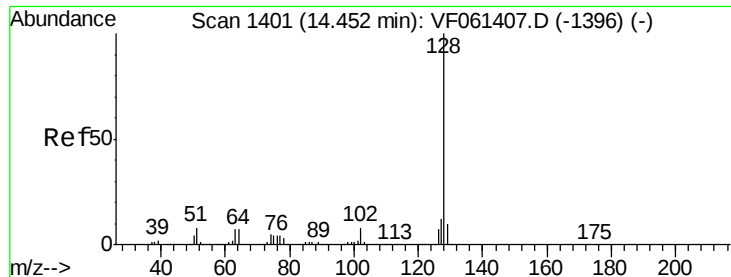
#94
 Hexachlorobutadiene
 Concen: 51.760 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061534.D
 Acq: 28 Jan 2019 11:24

Tgt Ion:225 Resp: 103144
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.1 93.2
 227 61.9 32.2 96.6



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





#95

Naphthalene

Concen: 52.227 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

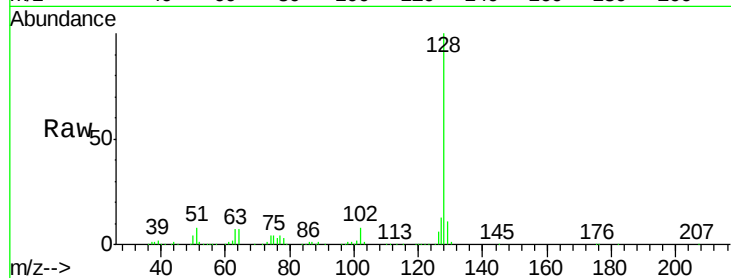
Tot Ion:128 Resp: 318659

Ion Ratio Lower Upper

128 100

127 12.7 9.5 14.3

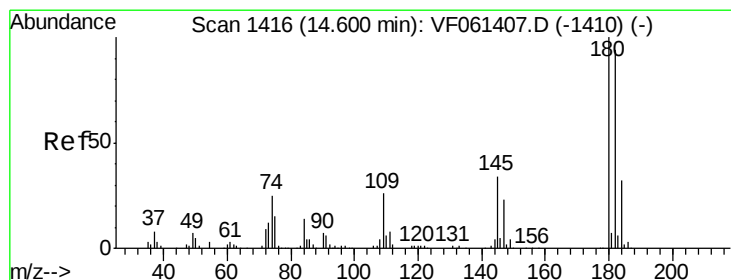
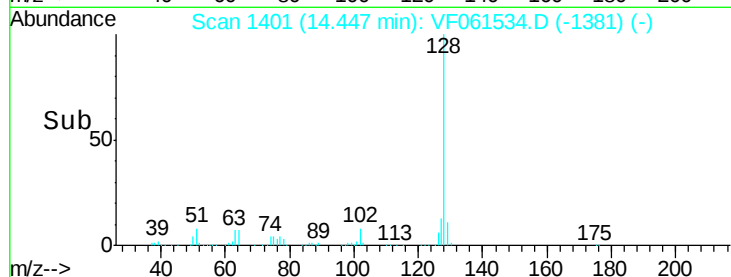
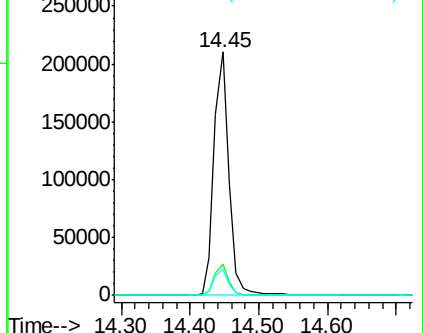
129 10.7 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.416 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF061534.D

Acq: 28 Jan 2019 11:24

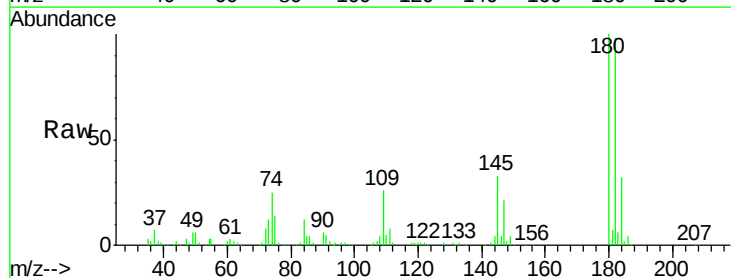
Tgt Ion:180 Resp: 146904

Ion Ratio Lower Upper

180 100

182 97.9 47.0 141.2

145 32.7 17.1 51.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

