

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061450.D
 Acq On : 17 Jan 2019 17:50
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 6.50q/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 18 03:19:57 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	4.86	168	183982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	321289	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	298201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	141431	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	112503	49.53	ug/l	0.00
Spiked Amount			Recovery	=		99.06%
35) Dibromofluoromethane	4.10	113	125292	49.42	ug/l	0.00
Spiked Amount			Recovery	=		98.84%
50) Toluene-d8	7.54	98	360297	51.87	ug/l	0.00
Spiked Amount			Recovery	=		103.74%
62) 4-Bromofluorobenzene	11.40	95	161486	49.76	ug/l	0.00
Spiked Amount			Recovery	=		99.52%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	175187	48.461	ug/l	92
3) Chloromethane	1.09	50	129887	49.002	ug/l	94
4) Vinyl Chloride	1.13	62	119124	50.522	ug/l	98
5) Bromomethane	1.32	94	76538	49.779	ug/l	91
6) Chloroethane	1.39	64	47947	45.892	ug/l	95
7) Trichlorofluoromethane	1.47	101	203755	44.451	ug/l	97
8) Diethyl Ether	1.62	74	30755	52.363	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	102816	46.681	ug/l	95
10) Methyl Iodide	1.90	142	131765	38.590	ug/l	99
11) Tert butyl alcohol	2.56	59	23267	241.991	ug/l	97
12) 1,1-Dichloroethene	1.78	96	85047	51.974	ug/l	94
13) Acrolein	2.00	56	24636	295.513	ug/l	97
14) Allyl chloride	2.09	41	120623	66.339	ug/l	93
15) Acrylonitrile	2.93	53	64862	263.363	ug/l	97
16) Acetone	2.22	43	120684	264.839	ug/l	99
17) Carbon Disulfide	1.81	76	253062	49.599	ug/l	98
18) Methyl Acetate	2.34	43	46614	51.581	ug/l	100
19) Methyl tert-butyl Ether	2.42	73	171640	46.791	ug/l	97
20) Methylene Chloride	2.17	84	29246	17.774	ug/l	94
21) trans-1,2-Dichloroethene	2.30	96	86495	48.043	ug/l	95
22) Diisopropyl ether	2.79	45	299240	51.388	ug/l	99
23) Vinyl Acetate	3.17	43	693010	270.307	ug/l	99
24) 1,1-Dichloroethane	2.86	63	191022	52.267	ug/l	98
25) 2-Butanone	4.32	43	205473	271.148	ug/l	97
26) 2,2-Dichloropropane	3.58	77	100819	44.899	ug/l	94
27) cis-1,2-Dichloroethene	3.46	96	138200	52.002	ug/l	96
28) Bromochloromethane	3.70	49	84079	51.179	ug/l #	99
29) Tetrahydrofuran	4.05	42	79386	243.292	ug/l	97
30) Chloroform	3.84	83	253523	51.400	ug/l	99
31) Cyclohexane	3.67	56	189525	51.914	ug/l	97
32) 1,1,1-Trichloroethane	4.08	97	168390	46.561	ug/l	96
36) 1,1-Dichloropropene	4.27	75	187633	50.369	ug/l	96
37) Ethyl Acetate	4.10	43	73609	49.433	ug/l #	77
38) Carbon Tetrachloride	3.98	117	154640	47.484	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	201809	49.989	ug/l	99
40) Benzene	4.62	78	429079	51.764	ug/l	99
41) Methacrylonitrile	4.73	41	40429	51.025	ug/l	94
42) 1,2-Dichloroethane	4.93	62	141819	48.012	ug/l	98
43) Isopropyl Acetate	6.94	43	99098	53.025	ug/l #	86
44) Trichloroethene	5.49	130	130162	51.188	ug/l	98
45) 1,2-Dichloropropane	6.22	63	112388	51.660	ug/l	94
46) Dibromomethane	6.07	93	72997	50.462	ug/l	92
47) Bromodichloromethane	6.37	83	185431	51.809	ug/l	99
48) Methyl methacrylate	6.70	41	66344	52.865	ug/l #	88
49) 1,4-Dioxane	6.69	88	9115	1043.522	ug/l	84
51) 4-Methyl-2-Pentanone	8.24	43	315086	229.331	ug/l	100
52) Toluene	7.61	92	274038	50.202	ug/l	95
53) t-1,3-Dichloropropene	8.26	75	137935	48.534	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	191102	53.794	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	82776	53.400	ug/l	95
56) Ethyl methacrylate	8.61	69	93425	51.804	ug/l	96
57) 1,3-Dichloropropane	8.84	76	149415	51.425	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	50019	262.896	ug/l	98
59) 2-Hexanone	9.47	43	252000	263.028	ug/l	99
60) Dibromochloromethane	8.71	129	115728	51.067	ug/l	99
61) 1,2-Dibromoethane	8.97	107	89672	50.532	ug/l	92
64) Tetrachloroethene	8.13	164	105998	47.268	ug/l	96
65) Chlorobenzene	9.78	112	306007	50.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	115939	47.993	ug/l	96
67) Ethyl Benzene	9.89	91	540487	48.783	ug/l	99
68) m/p-Xylenes	10.12	106	394356	98.962	ug/l	98
69) o-Xylene	10.70	106	218907	50.686	ug/l	97
70) Styrene	10.78	104	287564	48.642	ug/l	99
71) Bromoform	10.76	173	55281	50.931	ug/l	94
73) Isopropylbenzene	11.11	105	620461	53.940	ug/l	99
74) N-amyl acetate	11.36	43	145826	53.612	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	107523	52.471	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	76755	52.128	ug/l	95
77) Bromobenzene	11.49	156	132405	54.503	ug/l	99
78) n-propylbenzene	11.59	91	702170	50.137	ug/l	100
79) 2-Chlorotoluene	11.70	91	418691	52.460	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	492702	53.076	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	45705	71.404	ug/l	96
82) 4-Chlorotoluene	11.89	91	415326	51.569	ug/l	96
83) tert-Butylbenzene	12.12	119	503504	52.404	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	488792	51.118	ug/l	98
85) sec-Butylbenzene	12.30	105	656797	50.337	ug/l	98
86) p-Isopropyltoluene	12.45	119	562911	52.554	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	240490	49.773	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	238234	51.896	ug/l	99
89) n-Butylbenzene	12.83	91	573216	51.892	ug/l	97
90) Hexachloroethane	12.91	117	138316	54.782	ug/l	99
91) 1,2-Dichlorobenzene	12.93	146	229154	50.425	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18052	49.667	ug/l	65

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

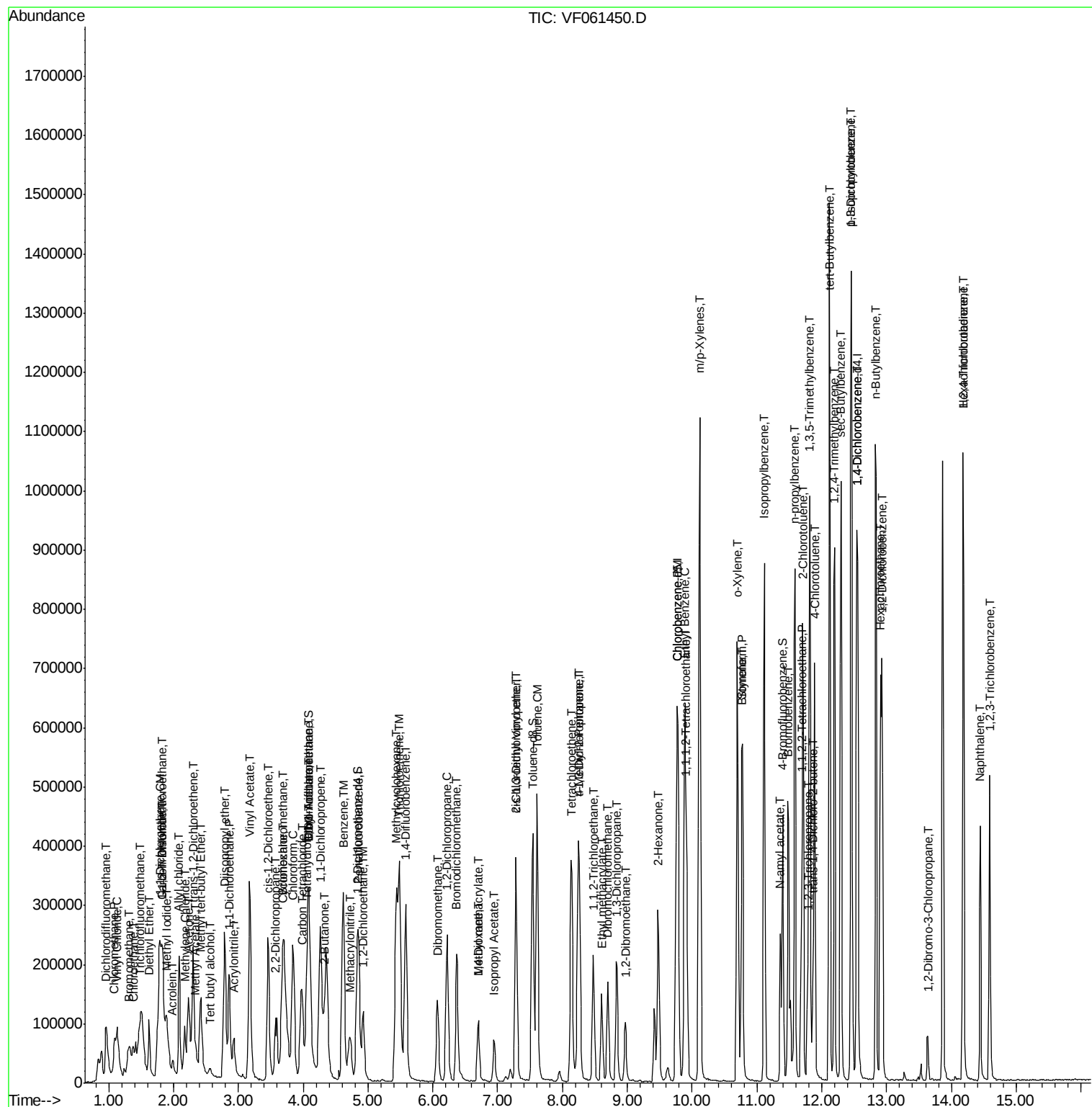
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	153487	48.213	ug/l	99
94) Hexachlorobutadiene	14.18	225	96119	48.657	ug/l	98
95) Naphthalene	14.45	128	288048	47.624	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	145682	49.435	ug/l	99

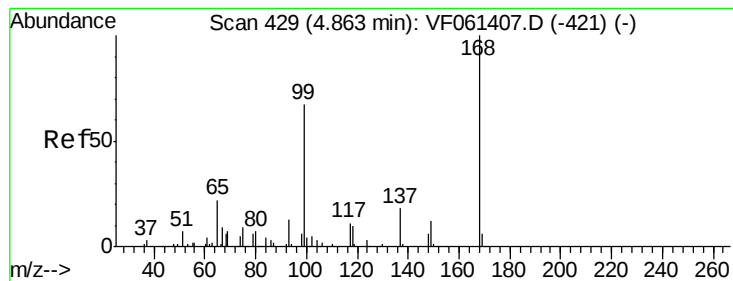
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061450.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

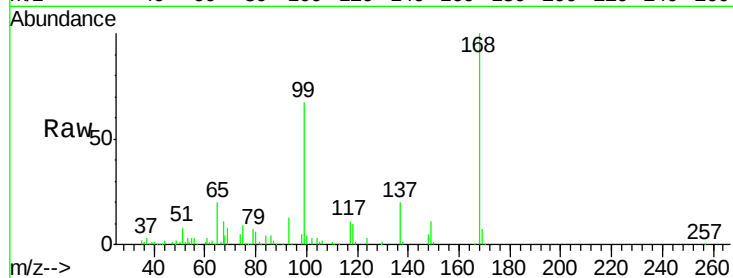
VSTDCCC050EC

Tot Ion:168 Resp: 183982

Ion Ratio Lower Upper

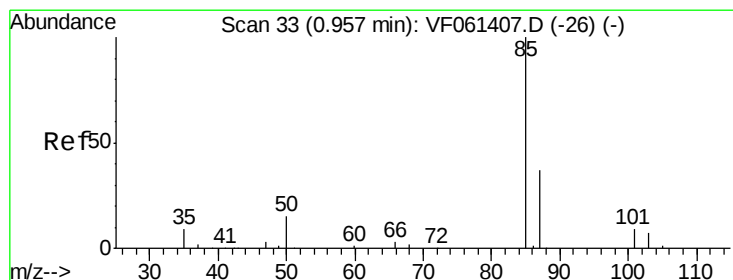
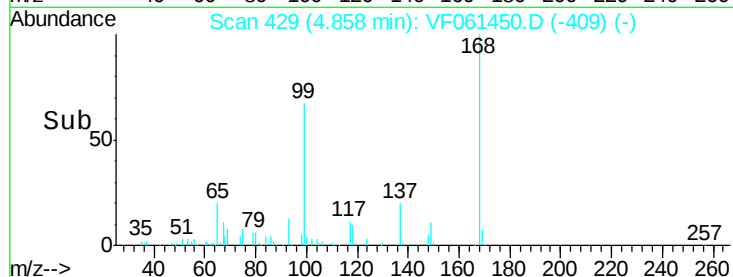
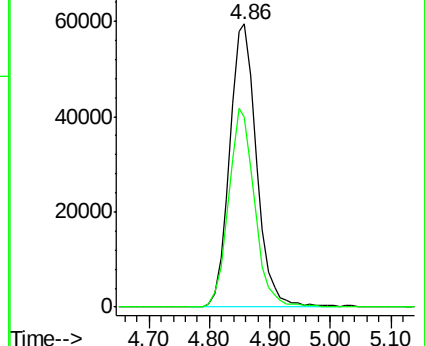
168 100

99 67.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 48.461 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061450.D

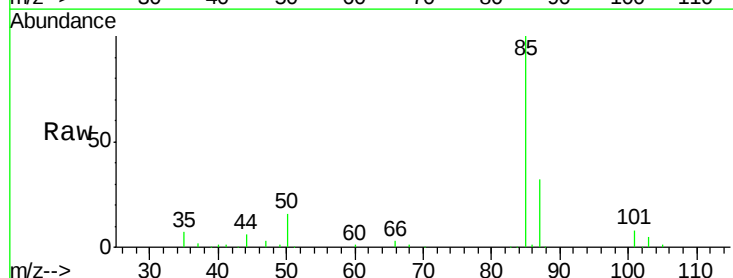
Acq: 17 Jan 2019 17:50

Tgt Ion: 85 Resp: 175187

Ion Ratio Lower Upper

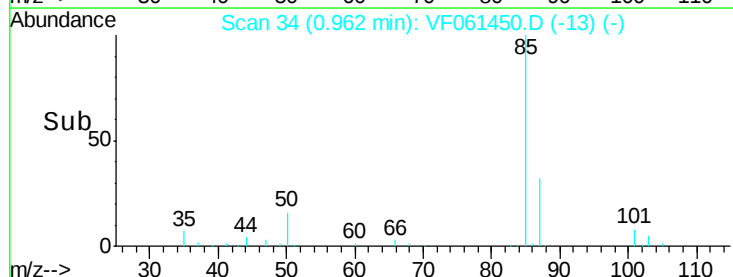
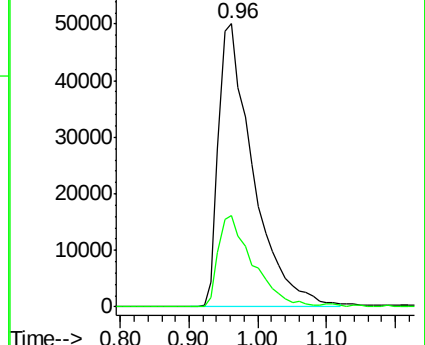
85 100

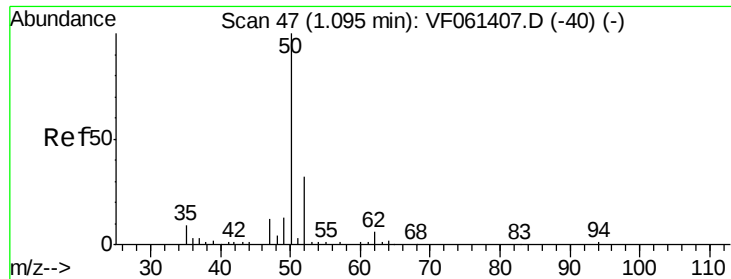
87 32.2 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 49.002 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

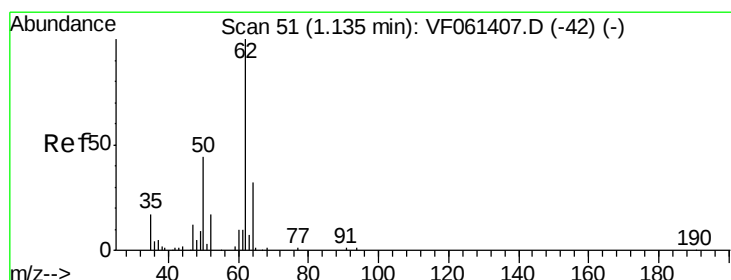
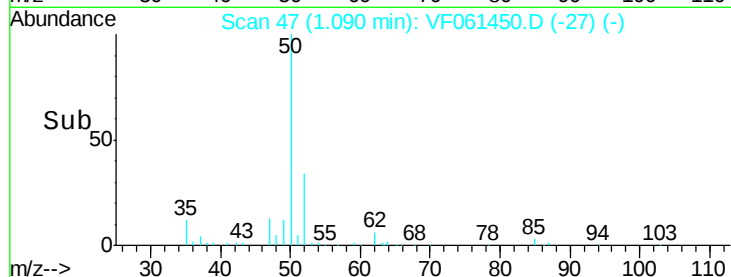
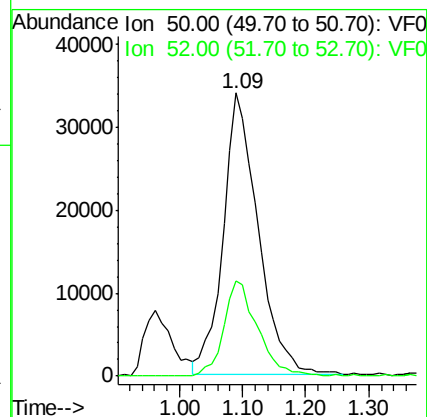
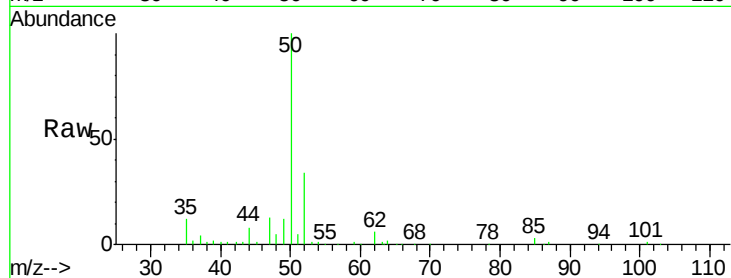
VSTDCCC050EC

Tot Ion: 50 Resp: 129887

Ion Ratio Lower Upper

50 100

52 33.7 24.6 36.8



#4

Vinyl Chloride

Concen: 50.522 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061450.D

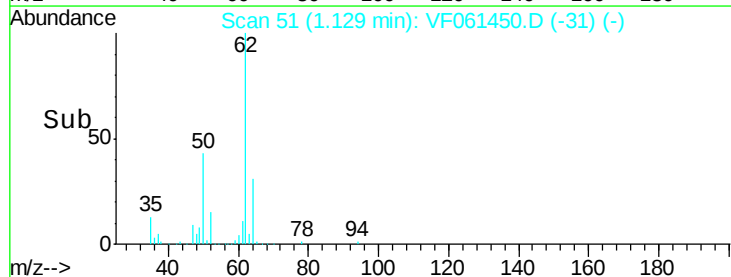
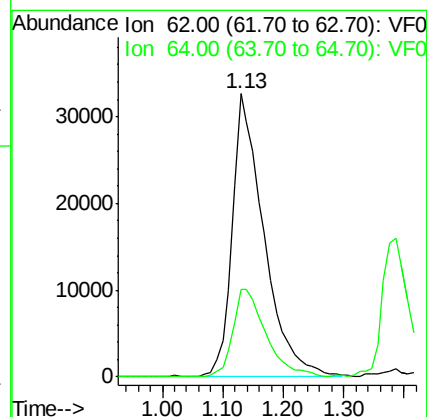
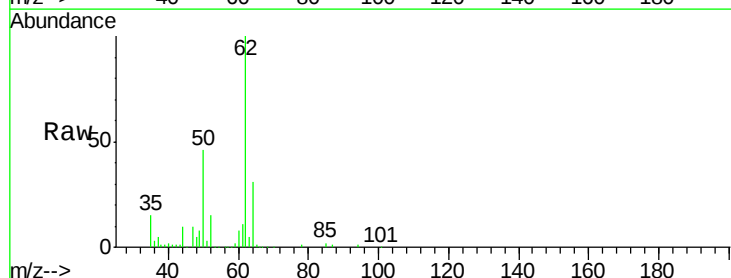
Acq: 17 Jan 2019 17:50

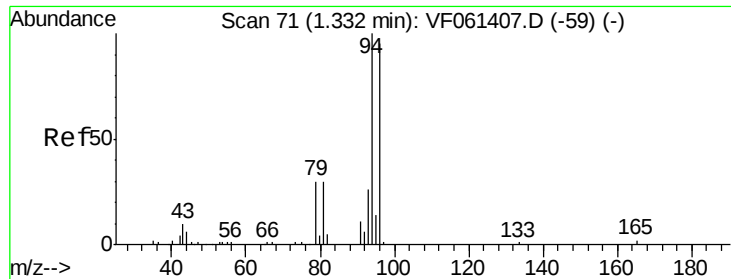
Tgt Ion: 62 Resp: 119124

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4





#5

Bromomethane

Concen: 49.779 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

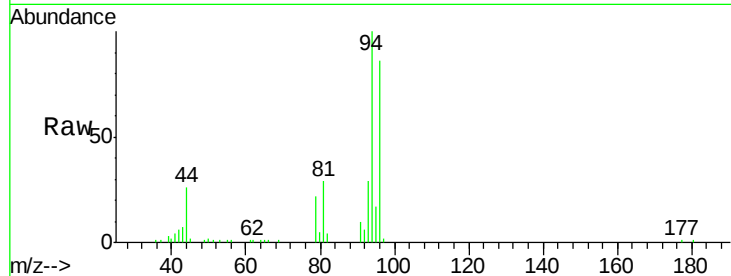
VSTDCCC050EC

Tot Ion: 94 Resp: 76538

Ion Ratio Lower Upper

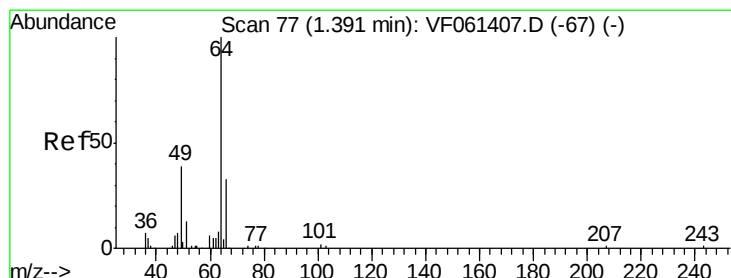
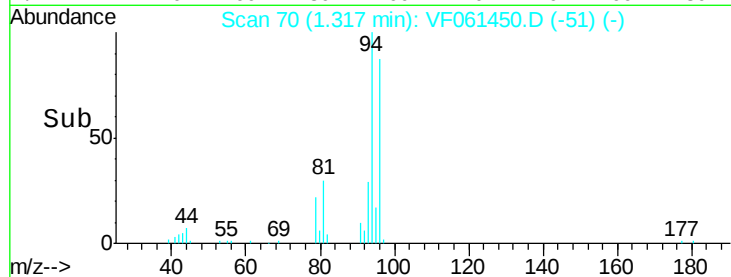
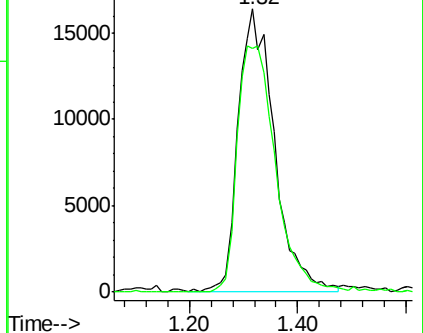
94 100

96 86.3 76.0 114.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 45.892 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061450.D

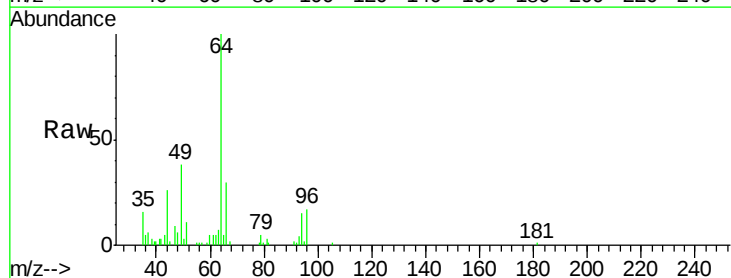
Acq: 17 Jan 2019 17:50

Tgt Ion: 64 Resp: 47947

Ion Ratio Lower Upper

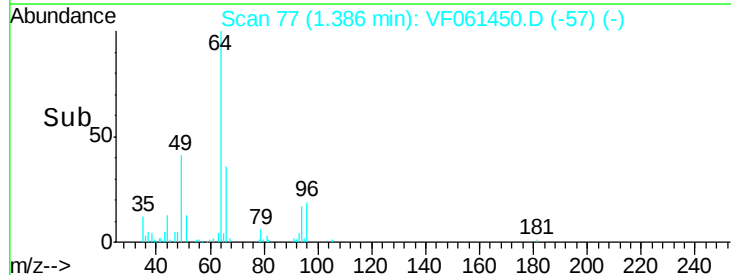
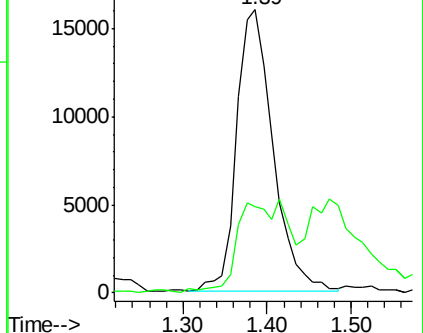
64 100

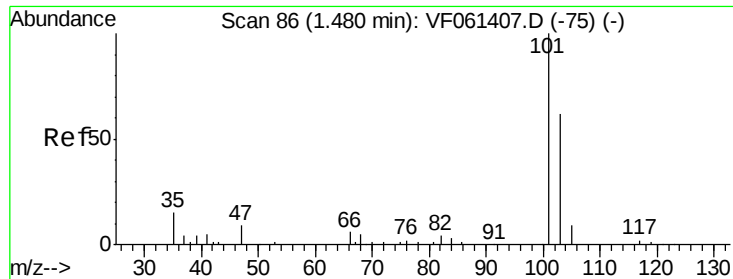
66 30.4 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 44.451 ug/l

RT: 1.47 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

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ClientSampleId :

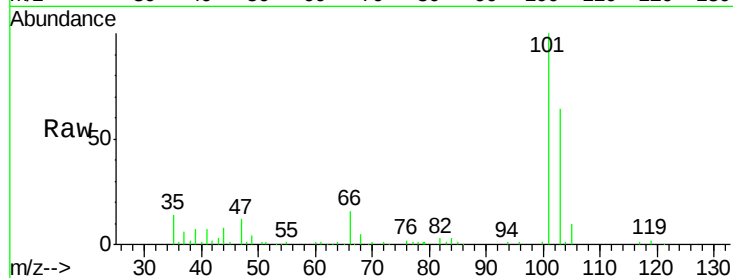
VSTDCCC050EC

Tot Ion:101 Resp: 203755

Ion Ratio Lower Upper

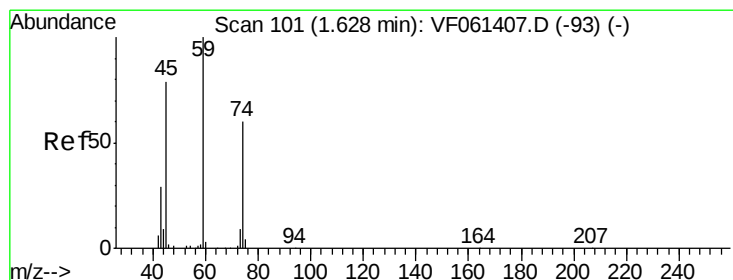
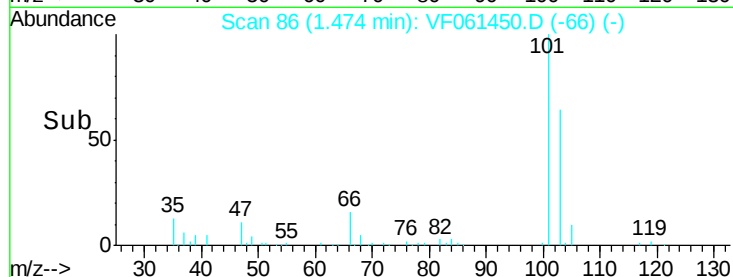
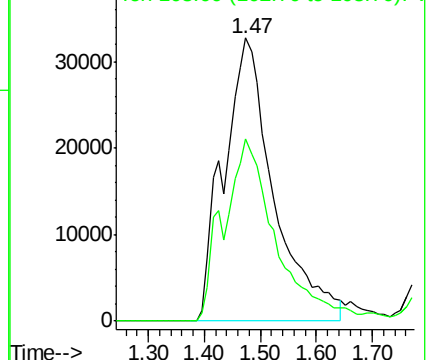
101 100

103 64.5 49.7 74.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 52.363 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061450.D

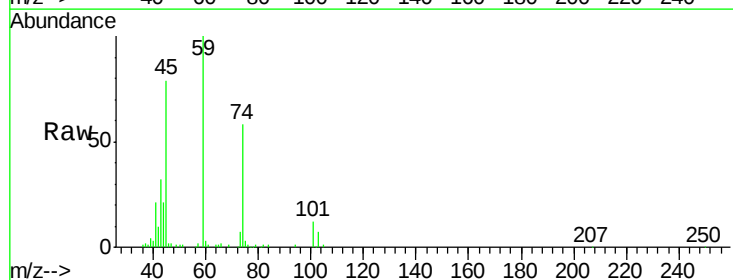
Acq: 17 Jan 2019 17:50

Tgt Ion: 74 Resp: 30755

Ion Ratio Lower Upper

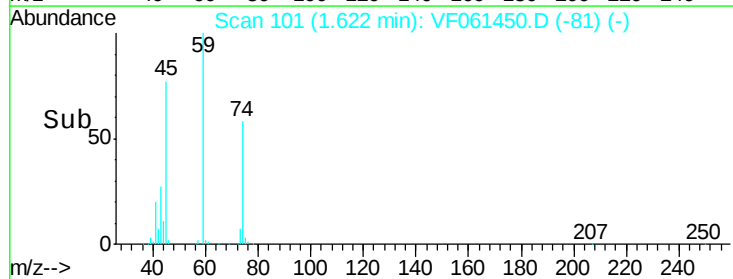
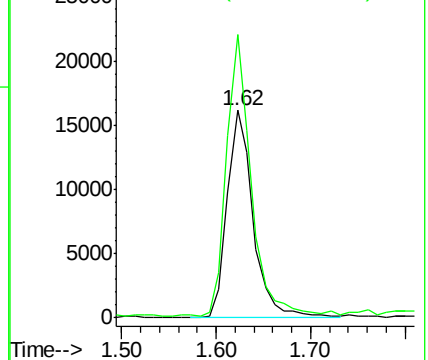
74 100

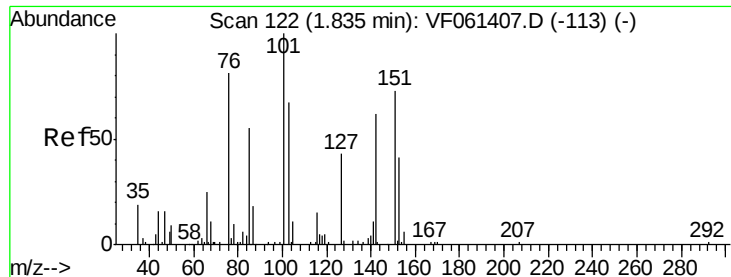
45 136.4 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.681 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

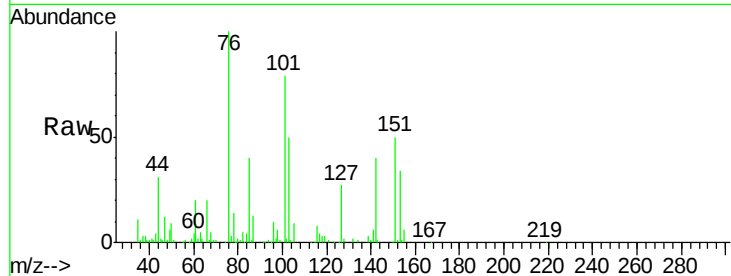
Tot Ion:101 Resp: 102816

Ion Ratio Lower Upper

101 100

85 50.7 41.9 62.9

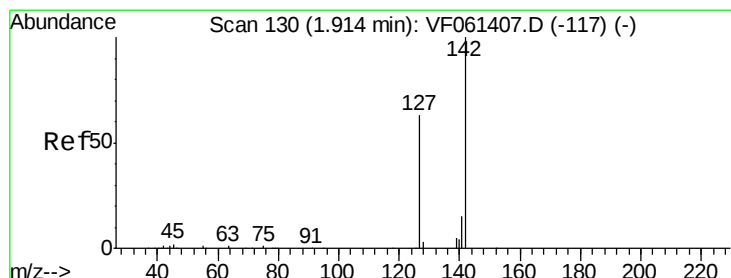
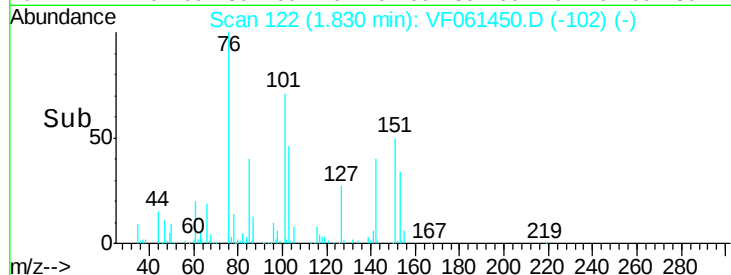
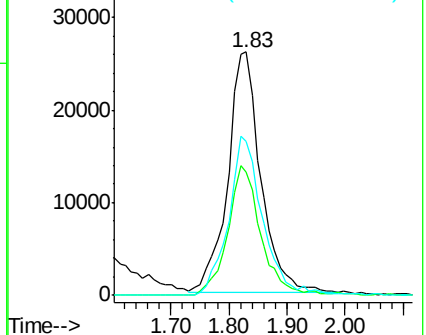
151 63.2 55.1 82.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 38.590 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.02 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

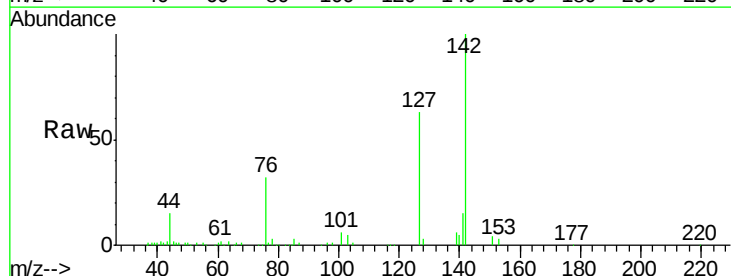
Tgt Ion:142 Resp: 131765

Ion Ratio Lower Upper

142 100

127 62.6 50.7 76.1

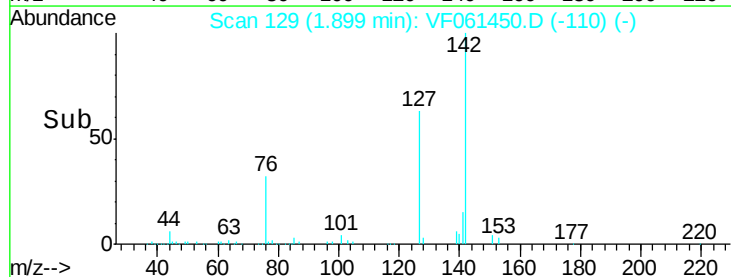
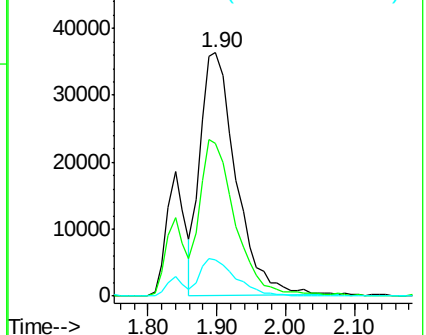
141 14.7 11.8 17.6

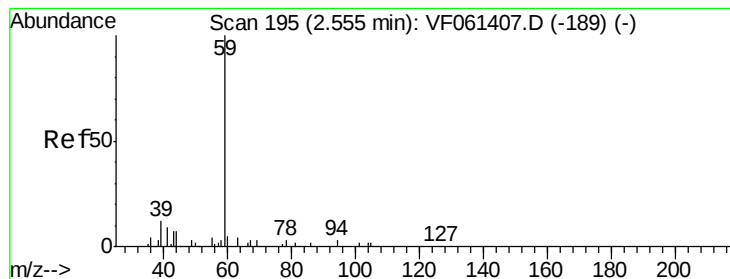


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



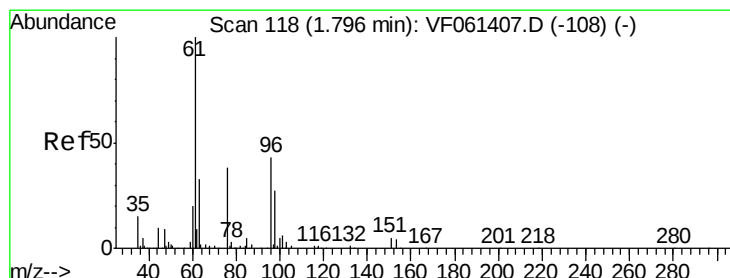
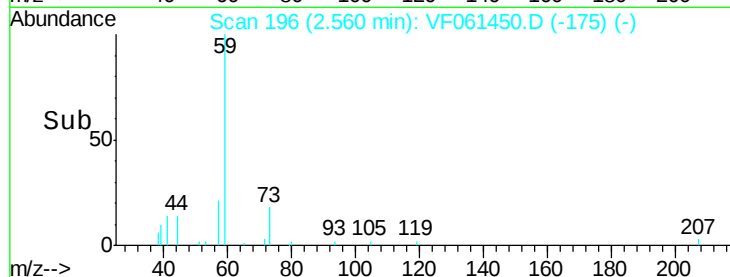
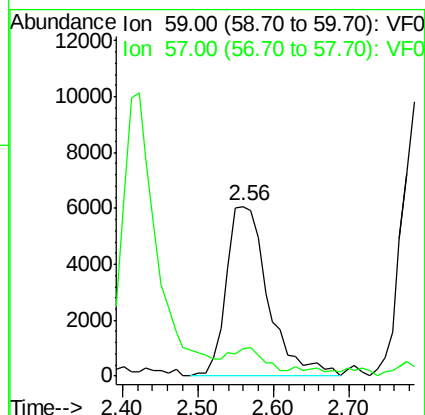
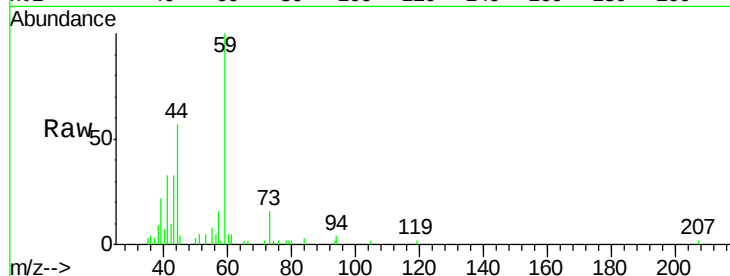


#11

Tert butyl alcohol
 Concen: 241.991 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. 0.00 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

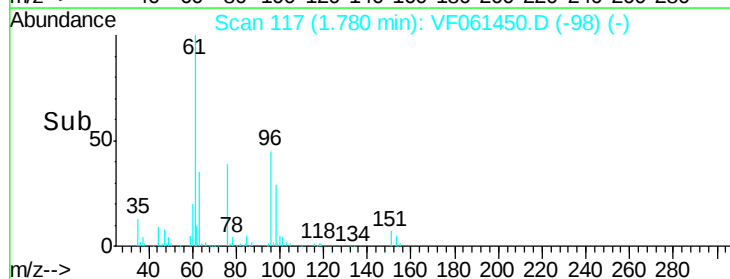
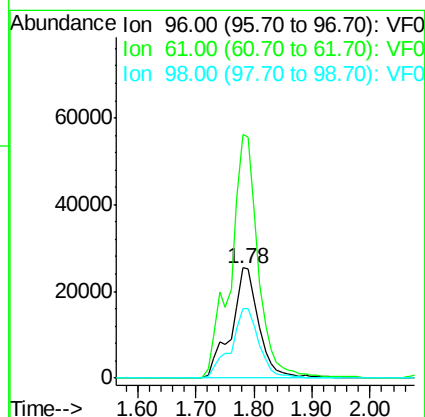
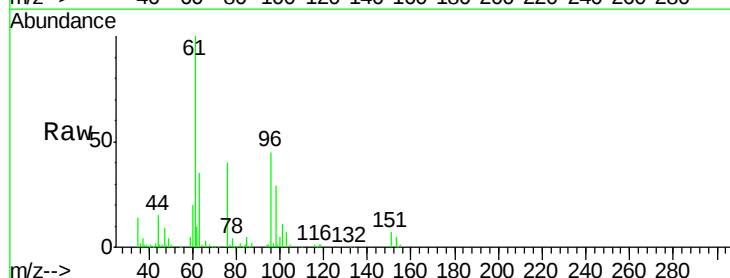
Tot Ion: 59 Resp: 23267
 Ion Ratio Lower Upper
 59 100
 57 16.0 11.9 17.9

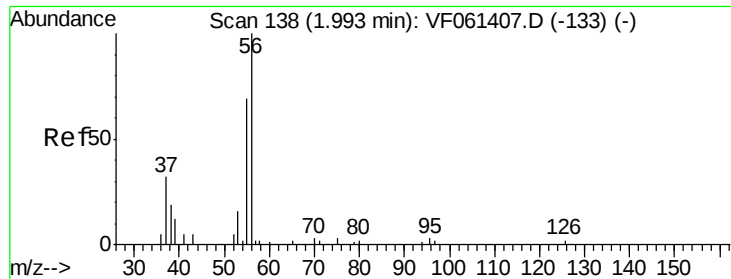


#12

1,1-Dichloroethene
 Concen: 51.974 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. -0.02 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Tgt Ion: 96 Resp: 85047
 Ion Ratio Lower Upper
 96 100
 61 221.4 186.9 280.3
 98 63.6 53.0 79.4

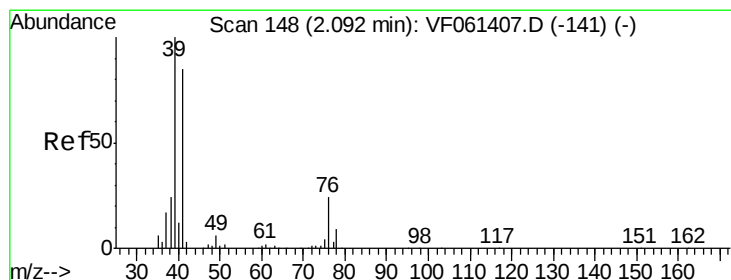
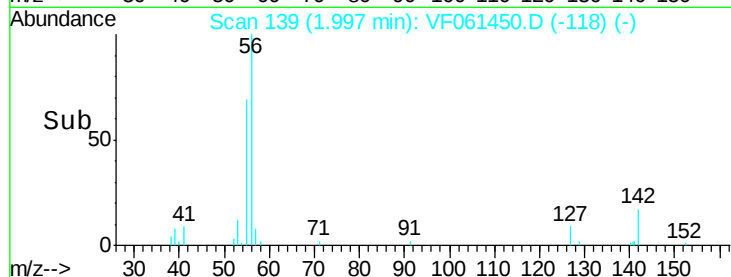
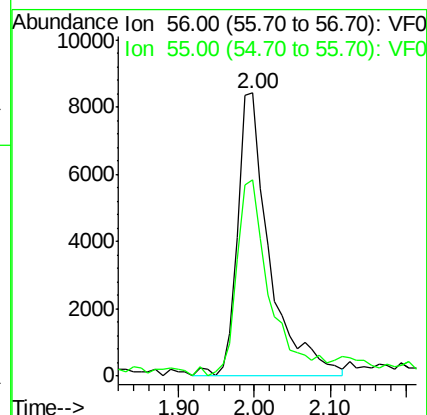
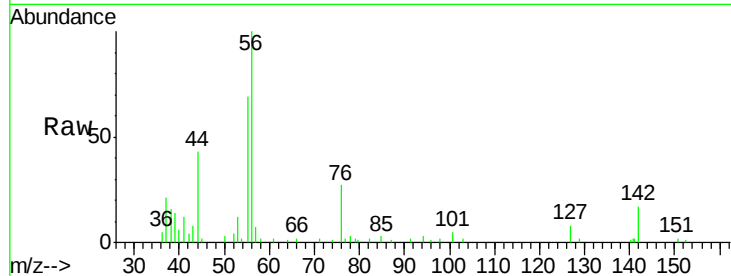




#13
Acrolein
Concen: 295.513 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

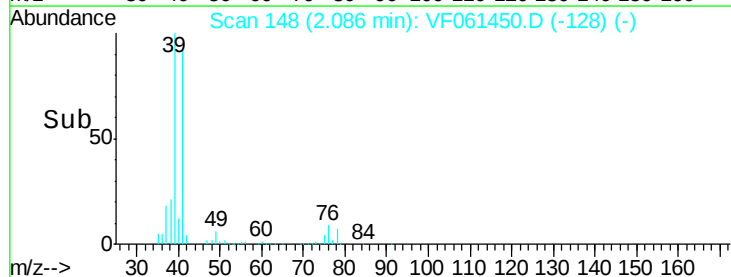
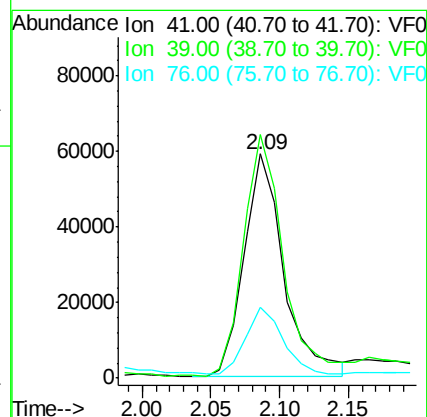
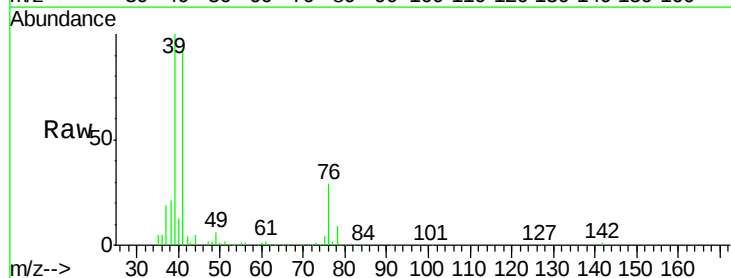
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

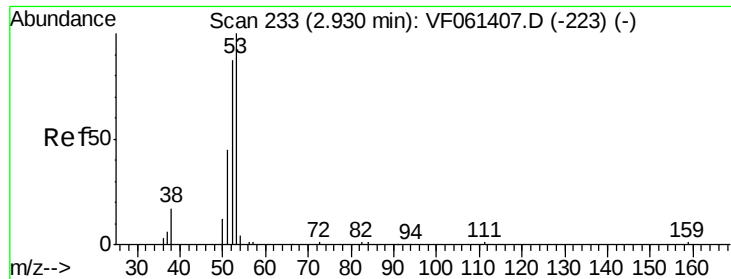
Tot Ion: 56 Resp: 24636
Ion Ratio Lower Upper
56 100
55 69.4 57.5 86.3



#14
Allyl chloride
Concen: 66.339 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion: 41 Resp: 120623
Ion Ratio Lower Upper
41 100
39 108.7 94.6 141.8
76 31.8 25.9 38.9





#15

Acrylonitrile

Concen: 263.363 ug/l

RT: 2.93 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

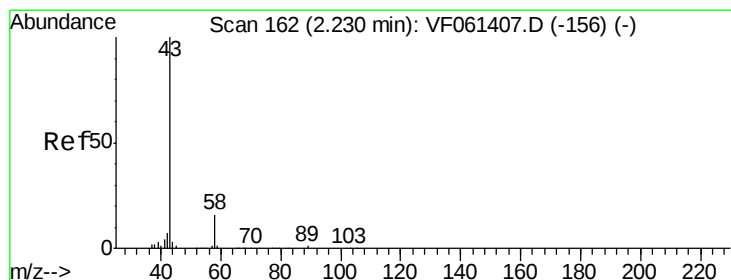
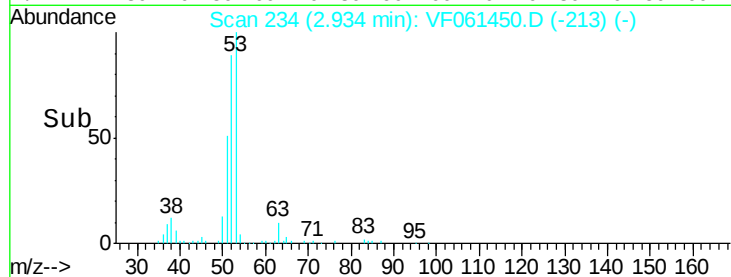
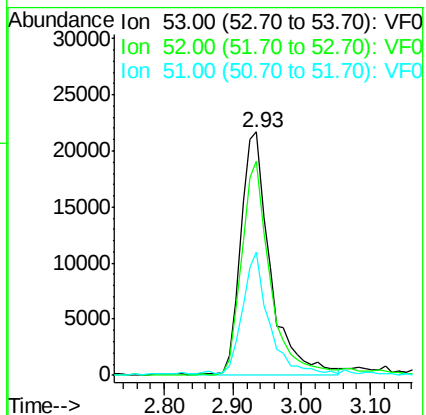
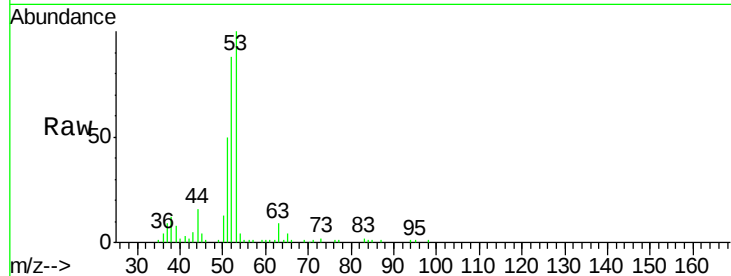
Tot Ion: 53 Resp: 64862

Ion Ratio Lower Upper

53 100

52 88.1 69.6 104.4

51 50.4 36.8 55.2



#16

Acetone

Concen: 264.839 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061450.D

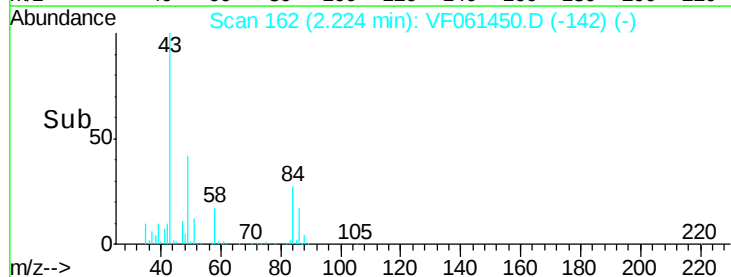
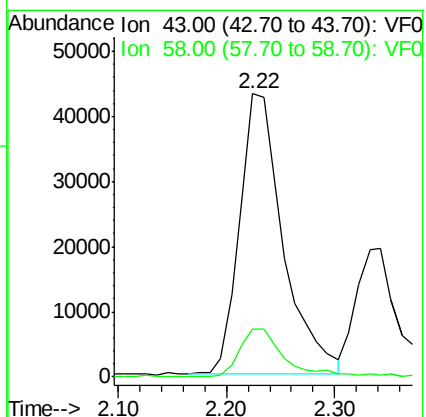
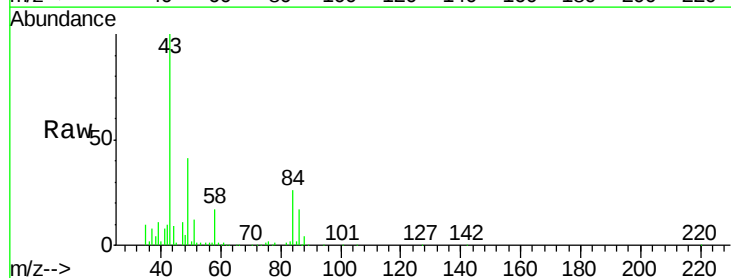
Acq: 17 Jan 2019 17:50

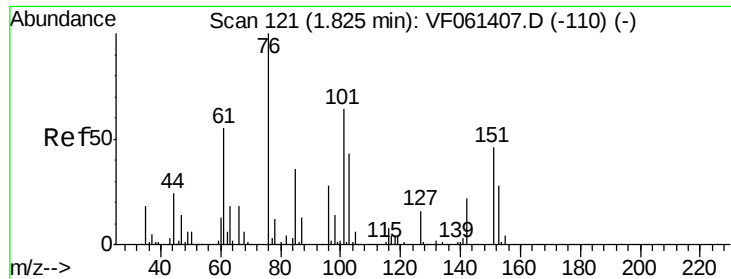
Tgt Ion: 43 Resp: 120684

Ion Ratio Lower Upper

43 100

58 17.0 13.3 19.9

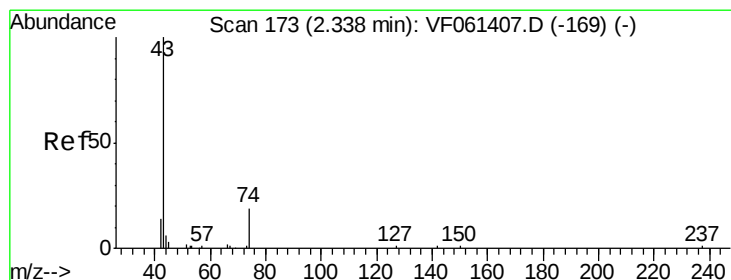
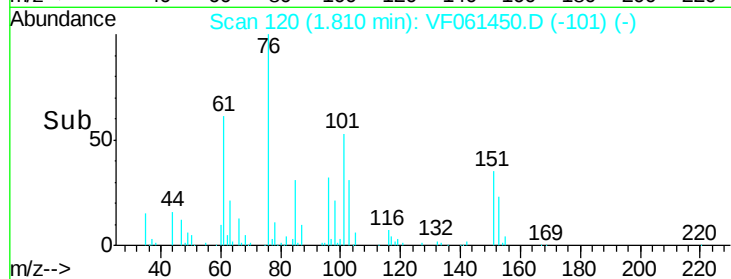
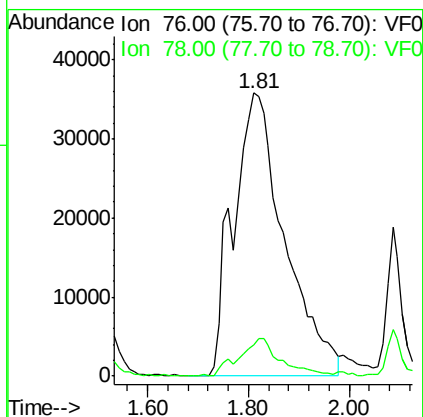
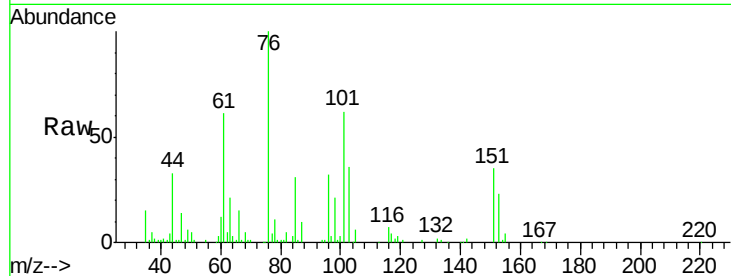




#17
Carbon Disulfide
Concen: 49.599 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

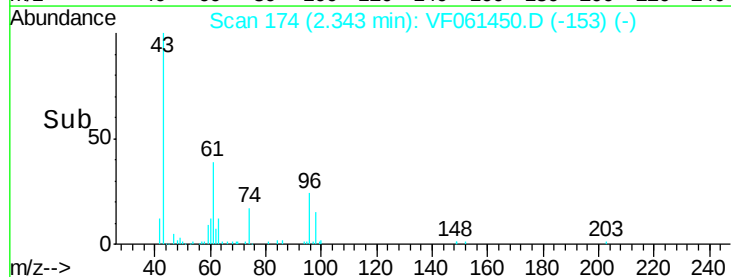
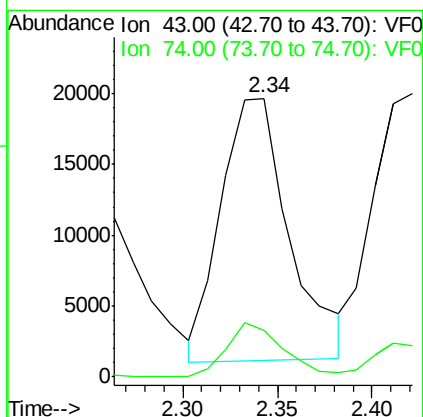
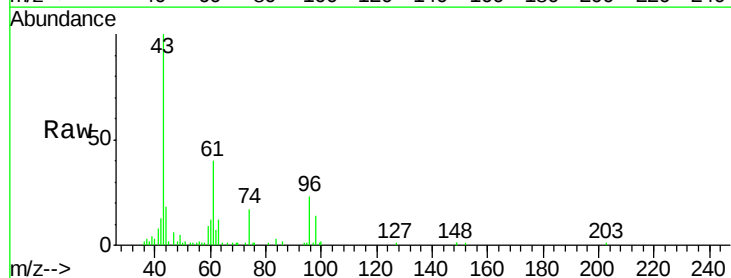
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

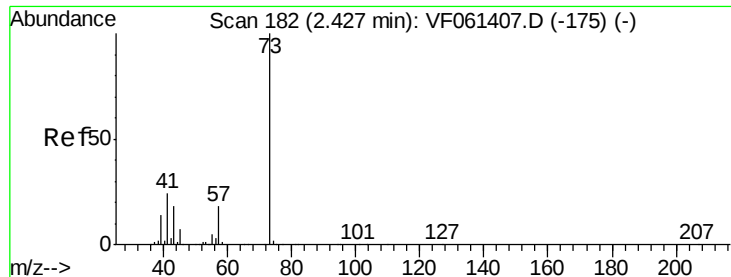
Tot Ion: 76 Resp: 253062
Ion Ratio Lower Upper
76 100
78 11.3 9.6 14.4



#18
Methyl Acetate
Concen: 51.581 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion: 43 Resp: 46614
Ion Ratio Lower Upper
43 100
74 16.9 13.4 20.0



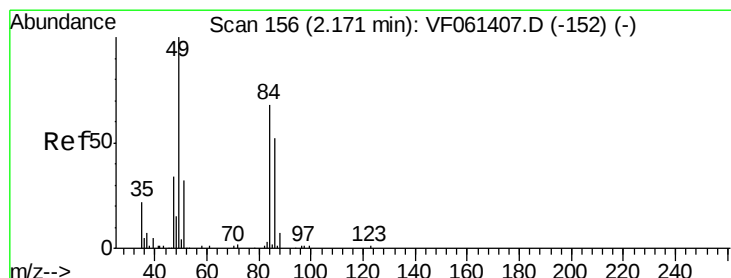
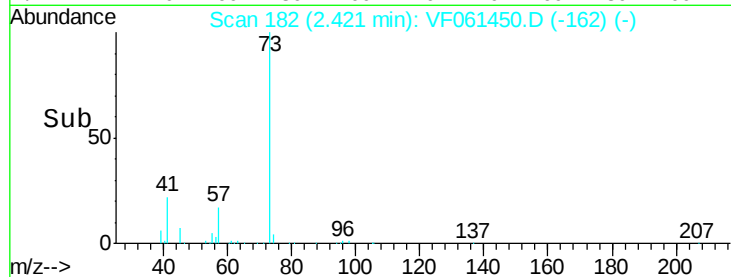
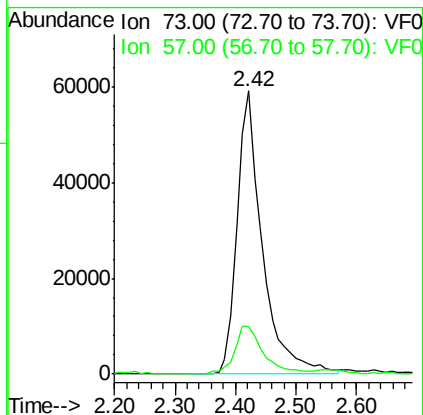
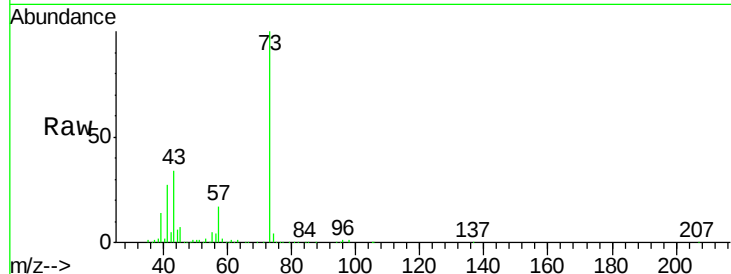


#19

Methyl tert-butyl Ether
 Concen: 46.791 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

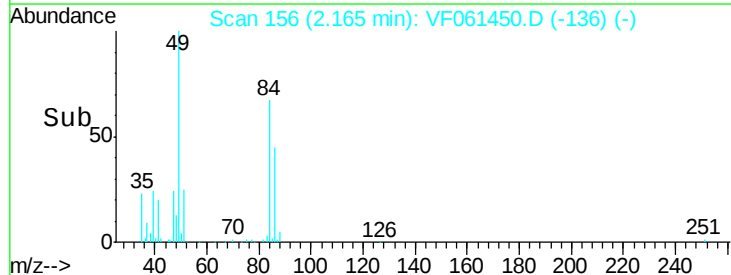
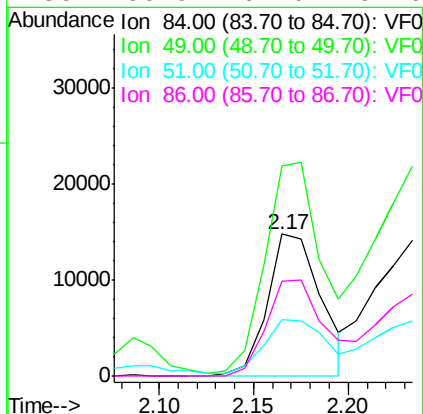
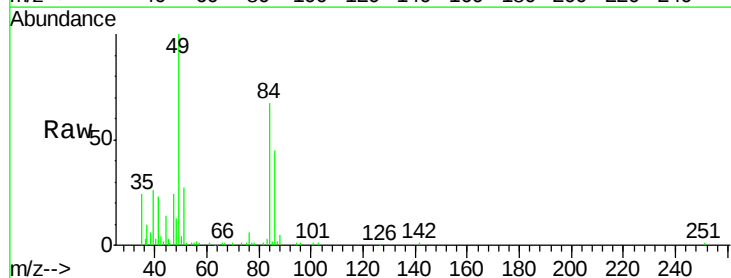
Tot Ion: 73 Resp: 171640
 Ion Ratio Lower Upper
 73 100
 57 17.1 14.8 22.2

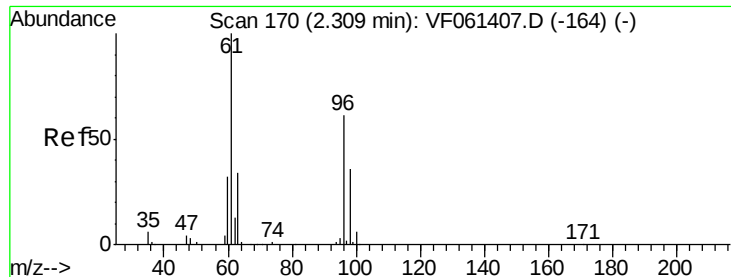


#20

Methylene Chloride
 Concen: 17.774 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.00 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Tgt Ion: 84 Resp: 29246
 Ion Ratio Lower Upper
 84 100
 49 148.4 120.0 180.0
 51 39.5 38.6 58.0
 86 66.9 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 48.043 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

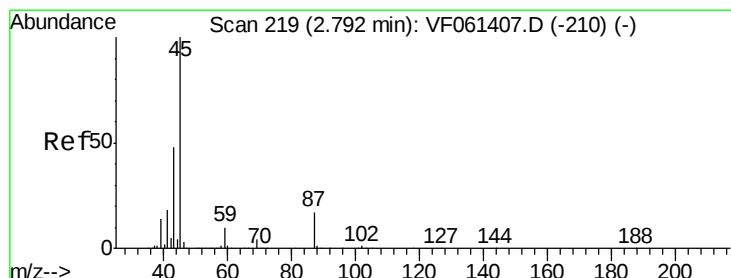
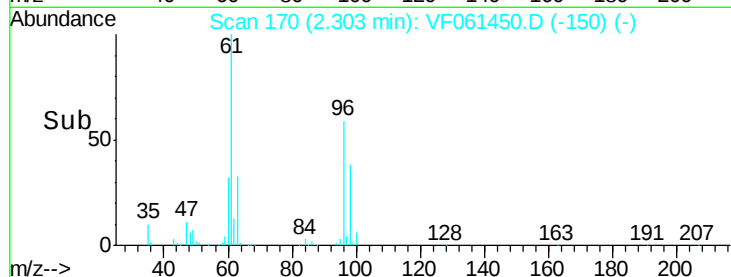
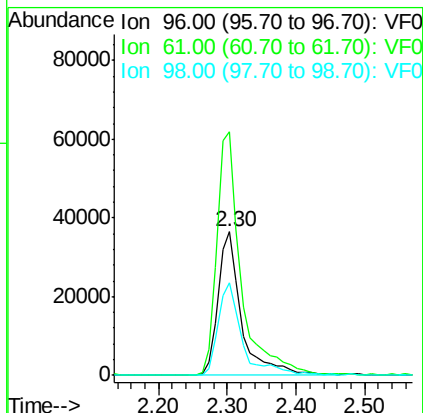
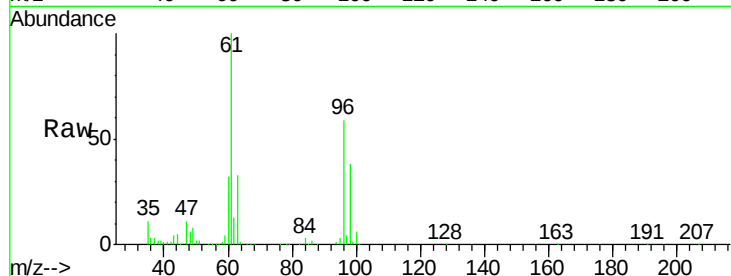
Tot Ion: 96 Resp: 86495

Ion Ratio Lower Upper

96 100

61 170.0 131.8 197.8

98 65.0 47.4 71.0



#22

Diisopropyl ether

Concen: 51.388 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion: 45 Resp: 299240

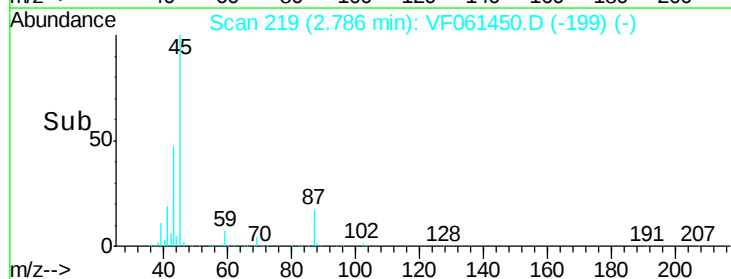
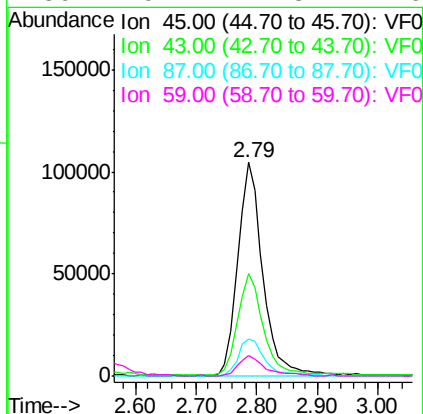
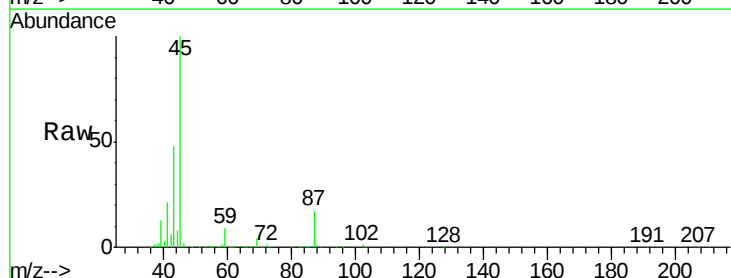
Ion Ratio Lower Upper

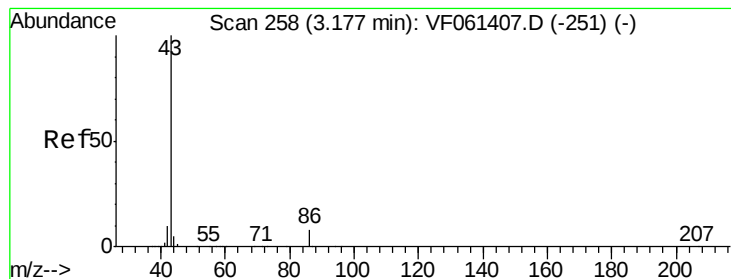
45 100

43 48.2 39.0 58.6

87 17.3 13.9 20.9

59 9.4 7.8 11.6





#23

Vinyl Acetate

Concen: 270.307 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

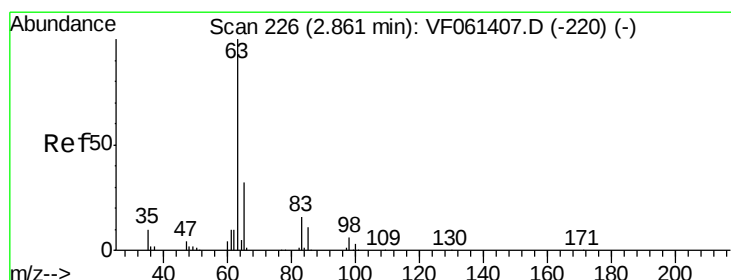
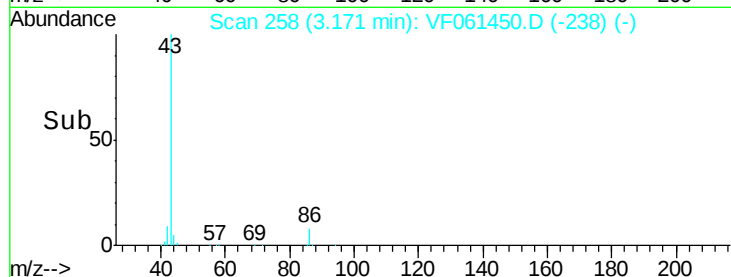
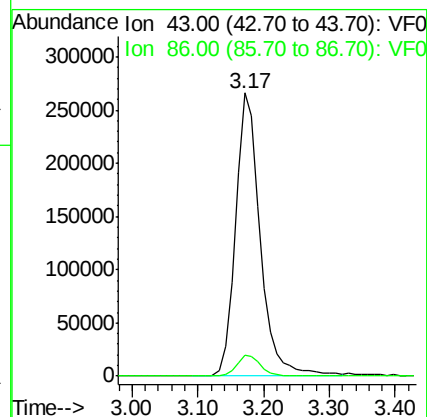
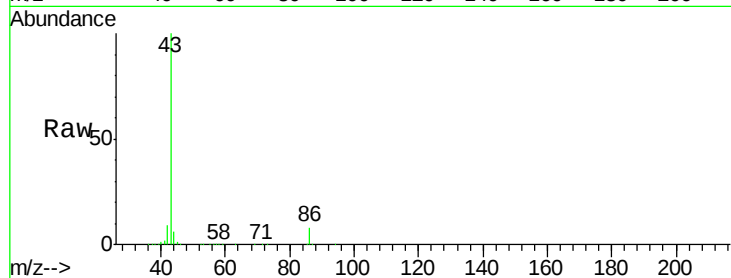
VSTDCCC050EC

Tot Ion: 43 Resp: 693010

Ion Ratio Lower Upper

43 100

86 7.5 6.2 9.4



#24

1,1-Dichloroethane

Concen: 52.267 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

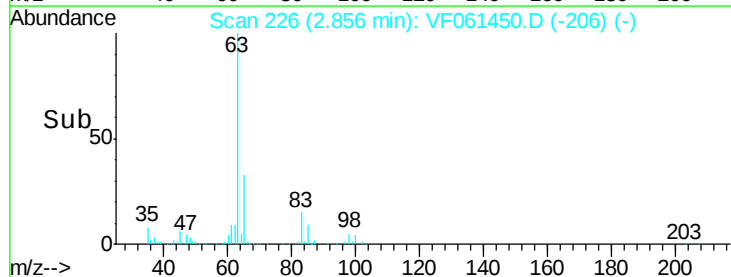
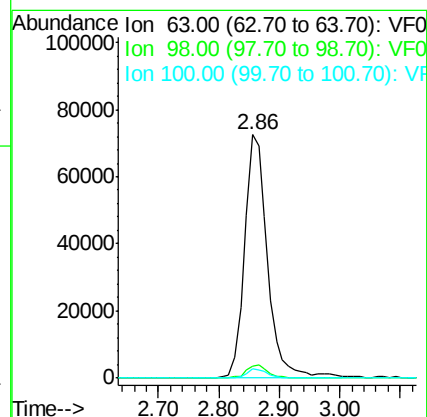
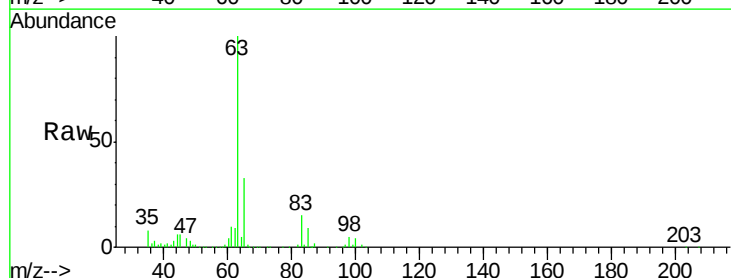
Tgt Ion: 63 Resp: 191022

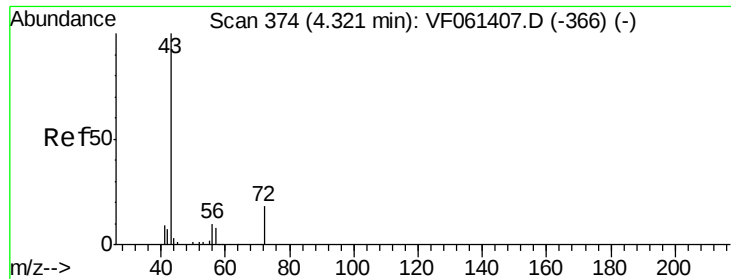
Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.8

100 4.0 1.6 4.8





#25

2-Butanone

Concen: 271.148 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

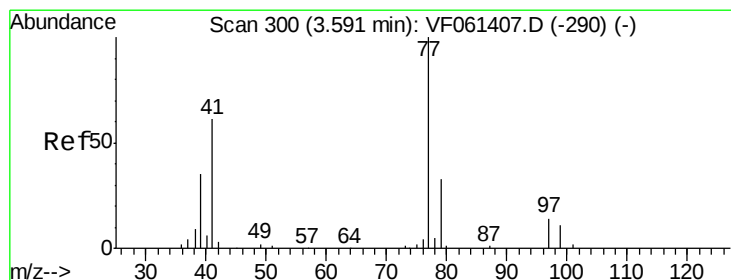
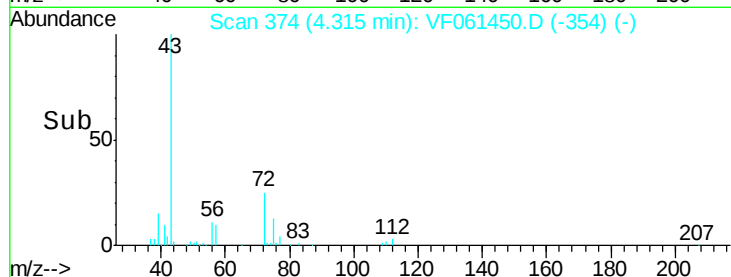
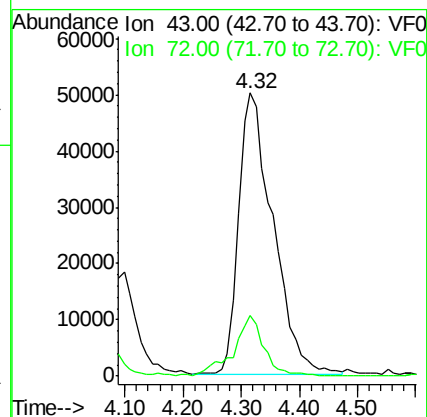
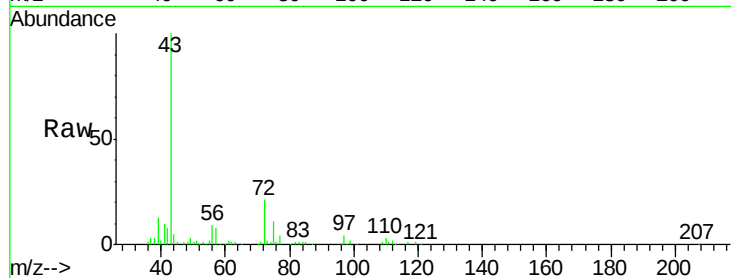
VSTDCCC050EC

Tot Ion: 43 Resp: 205473

Ion Ratio Lower Upper

43 100

72 21.3 15.8 23.6



#26

2,2-Dichloropropane

Concen: 44.899 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061450.D

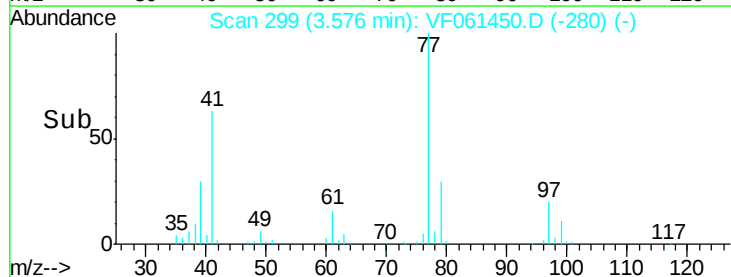
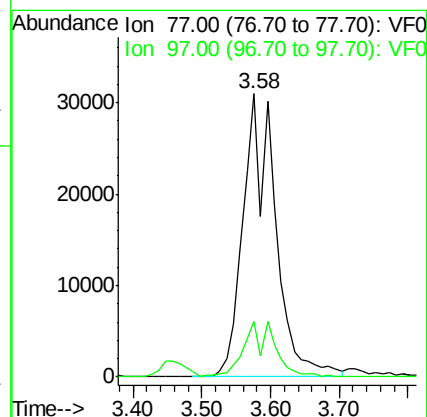
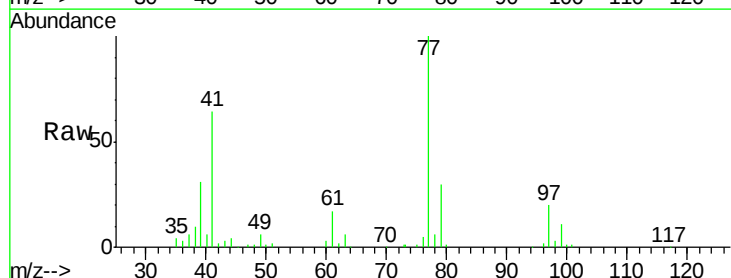
Acq: 17 Jan 2019 17:50

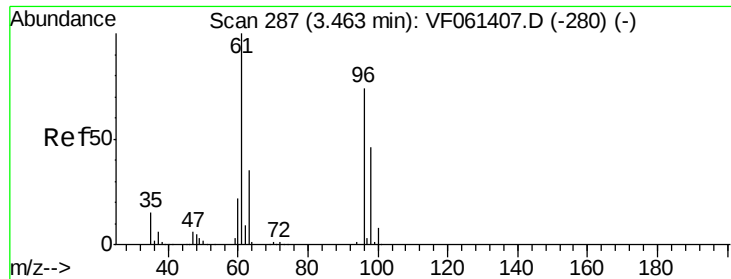
Tgt Ion: 77 Resp: 100819

Ion Ratio Lower Upper

77 100

97 19.5 8.5 25.5



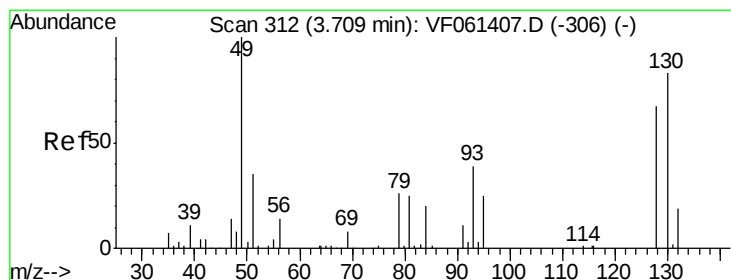
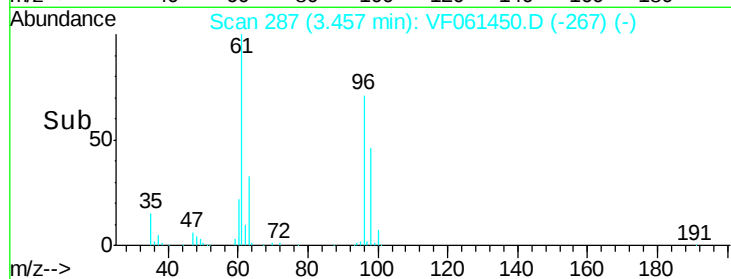
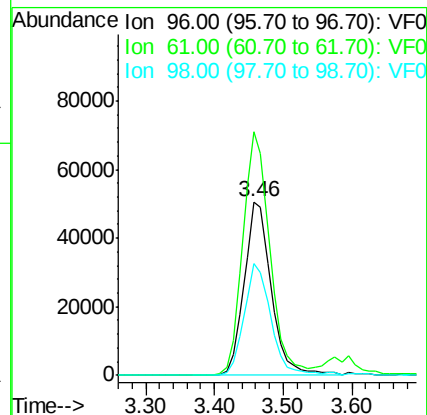
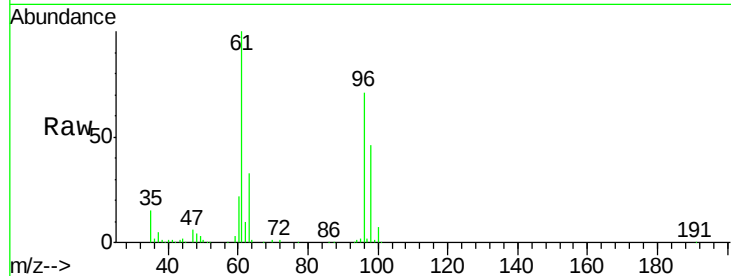


#27

cis-1,2-Dichloroethene
 Concen: 52.002 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

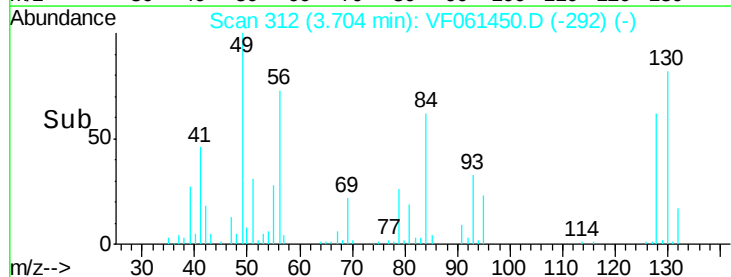
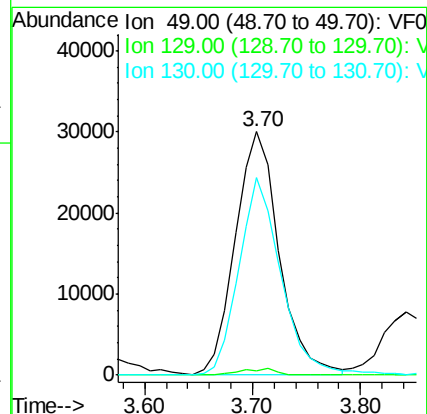
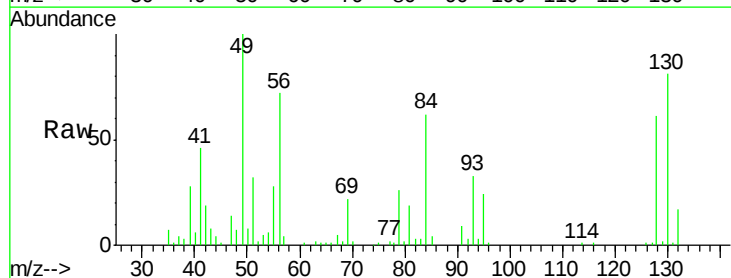
Tot Ion	96	Resp	138200
Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	270.2
98	64.7	0.0	124.0

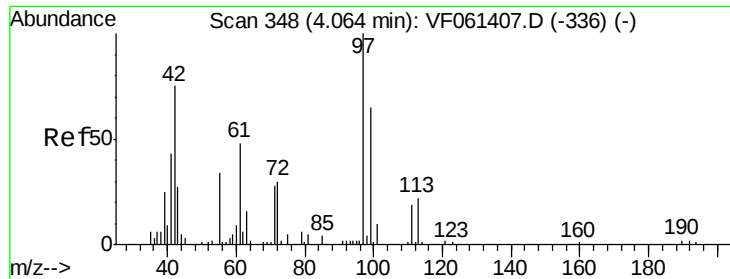


#28

Bromochloromethane
 Concen: 51.179 ug/l
 RT: 3.70 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Tgt Ion	49	Resp	84079
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	0.0#
130	81.0	65.4	98.2





#29

Tetrahydrofuran

Concen: 243.292 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

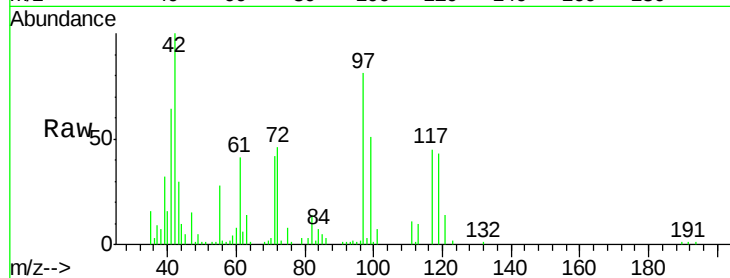
Tot Ion: 42 Resp: 79386

Ion Ratio Lower Upper

42 100

72 37.9 28.9 43.3

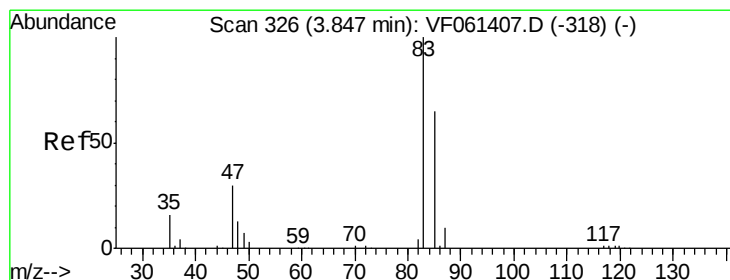
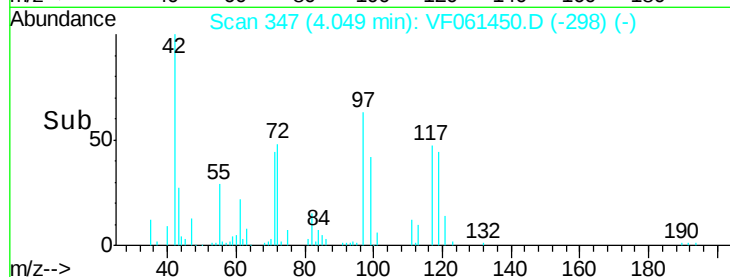
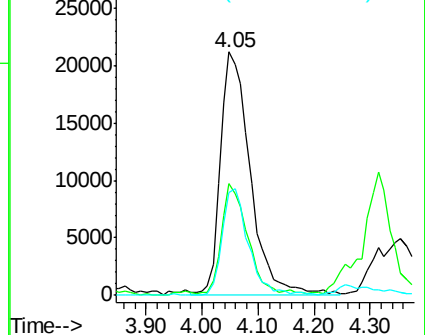
71 38.3 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 51.400 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF061450.D

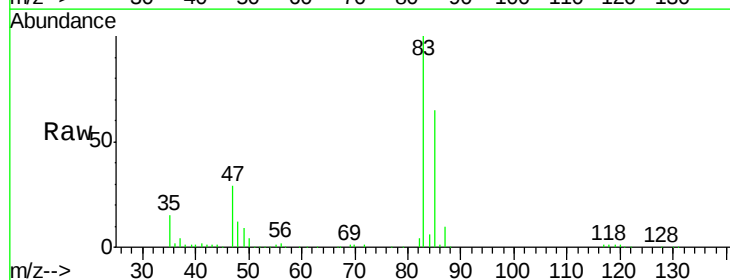
Acq: 17 Jan 2019 17:50

Tgt Ion: 83 Resp: 253523

Ion Ratio Lower Upper

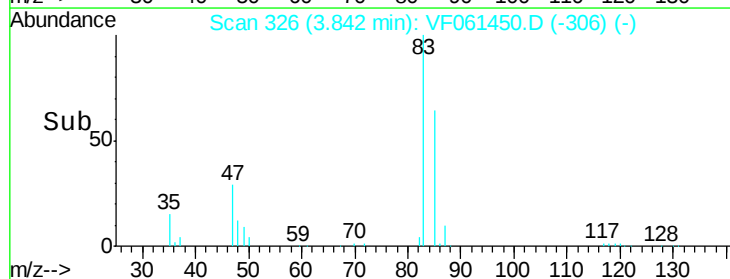
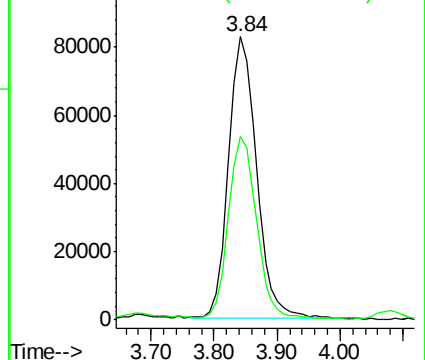
83 100

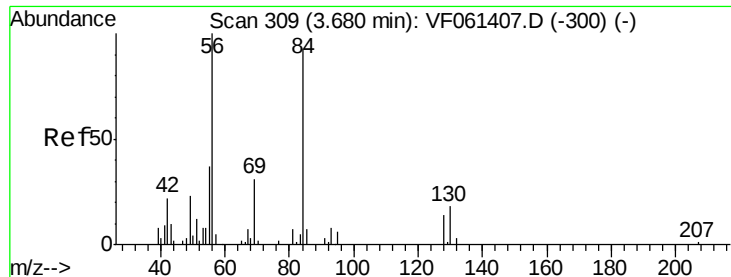
85 64.8 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 51.914 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

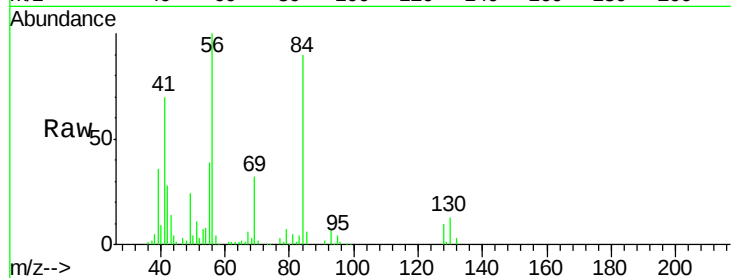
Tot Ion: 56 Resp: 189525

Ion Ratio Lower Upper

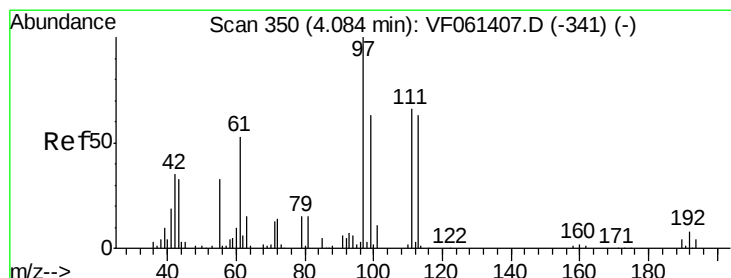
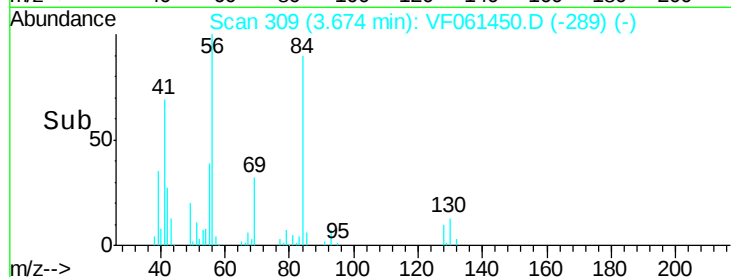
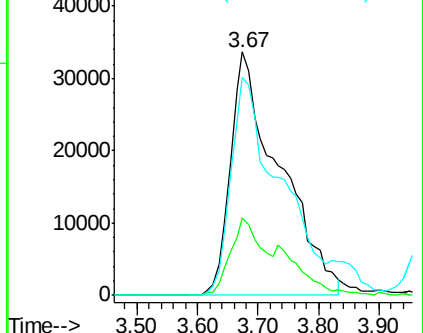
56 100

69 31.8 24.6 36.8

84 89.7 74.2 111.2



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 46.561 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

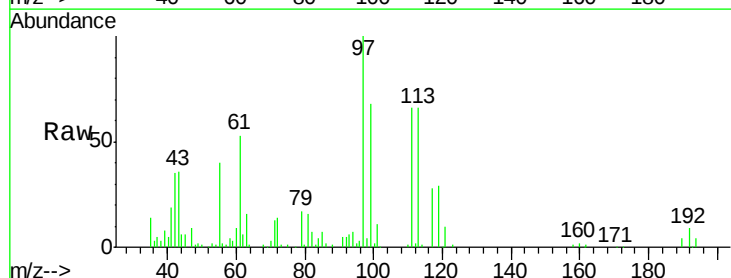
Tgt Ion: 97 Resp: 168390

Ion Ratio Lower Upper

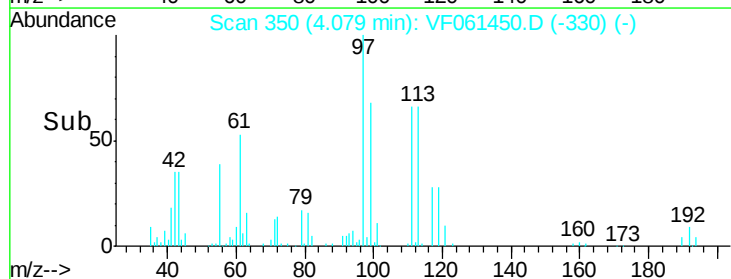
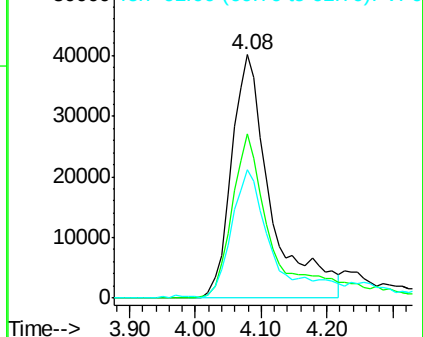
97 100

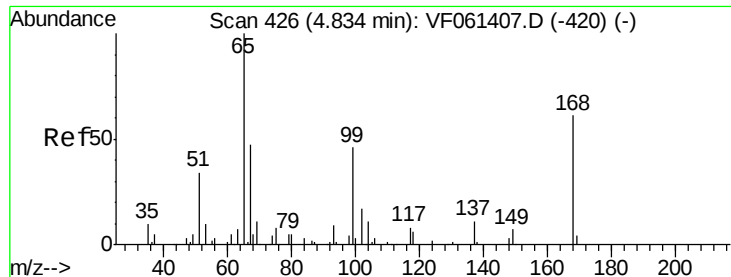
99 67.7 50.1 75.1

61 52.8 43.1 64.7



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 49.528 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

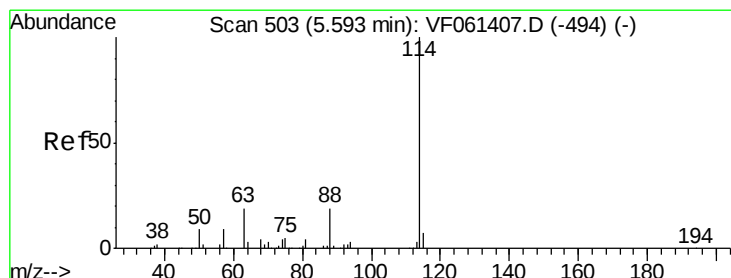
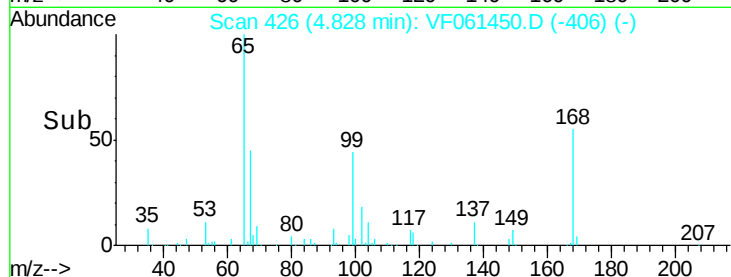
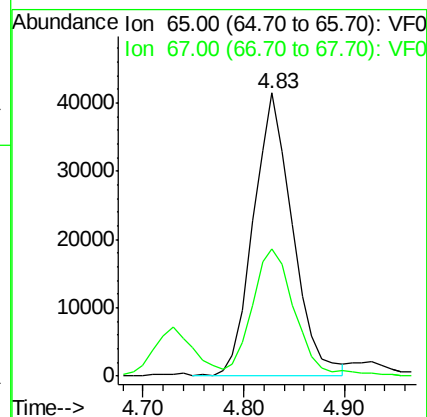
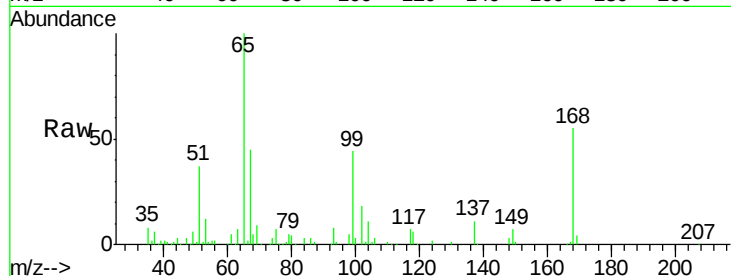
VSTDCCC050EC

Tot Ion: 65 Resp: 112503

Ion Ratio Lower Upper

65 100

67 44.9 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

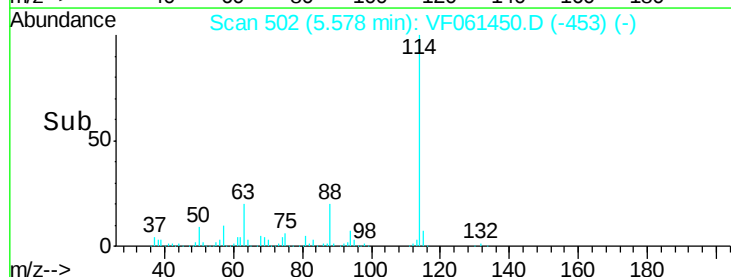
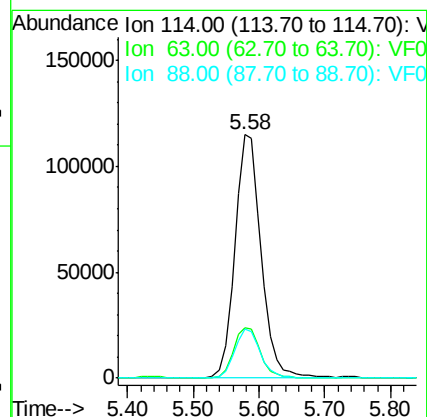
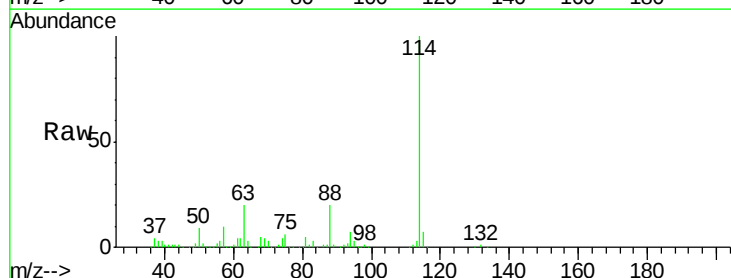
Tgt Ion: 114 Resp: 321289

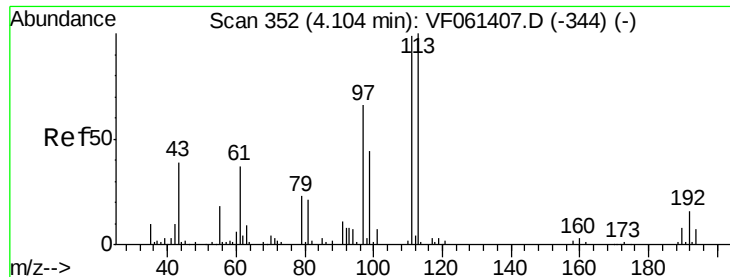
Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.0

88 20.2 0.0 37.4





#35

Dibromofluoromethane

Concen: 49.420 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

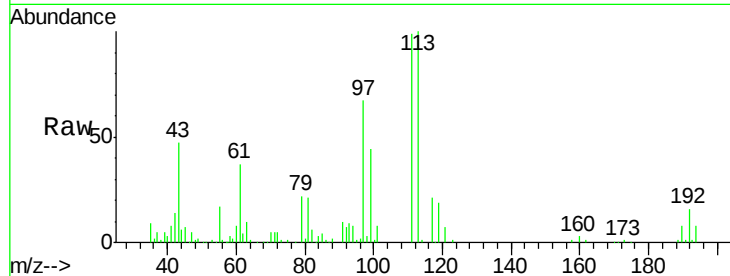
Tot Ion:113 Resp: 125292

Ion Ratio Lower Upper

113 100

111 98.9 79.4 119.0

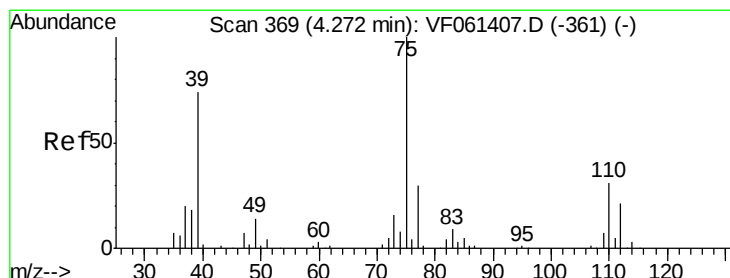
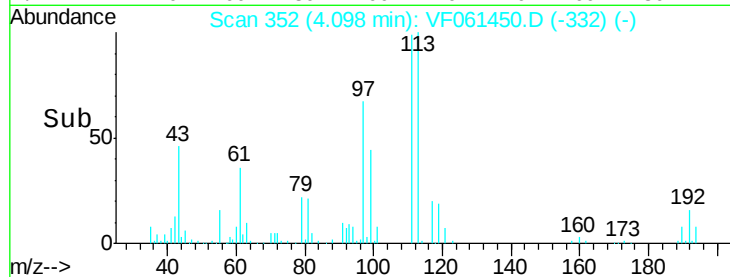
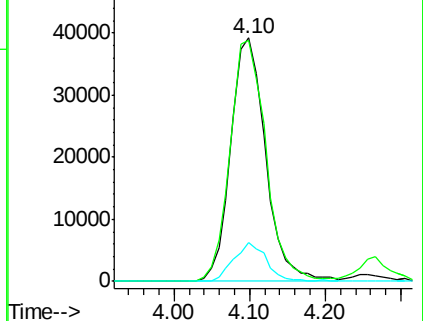
192 15.9 12.4 18.6



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: 50.369 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

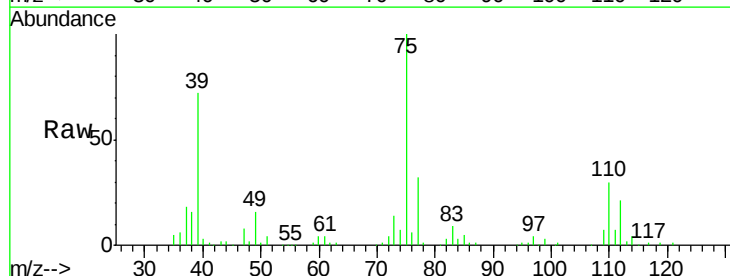
Tgt Ion: 75 Resp: 187633

Ion Ratio Lower Upper

75 100

110 29.5 15.8 47.3

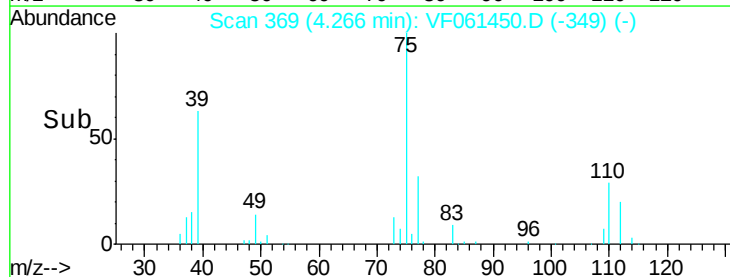
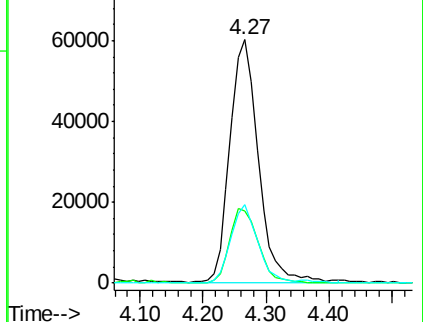
77 32.0 24.0 36.0

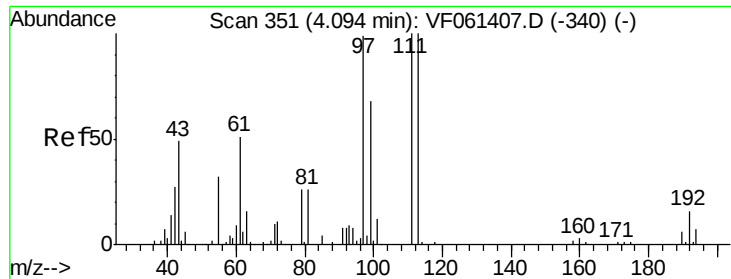


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

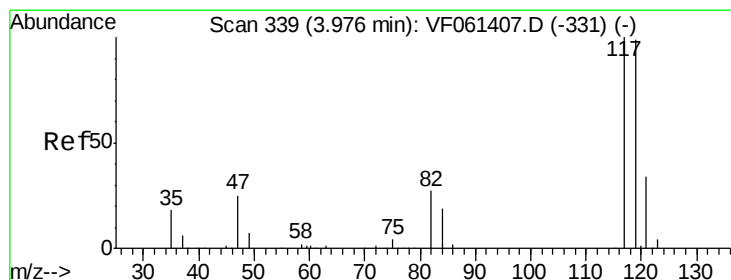
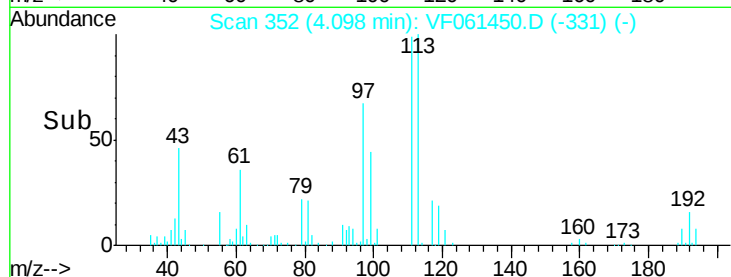
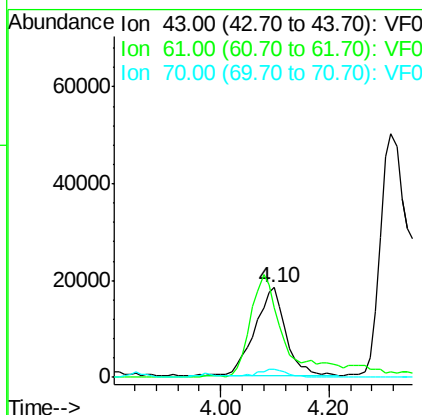
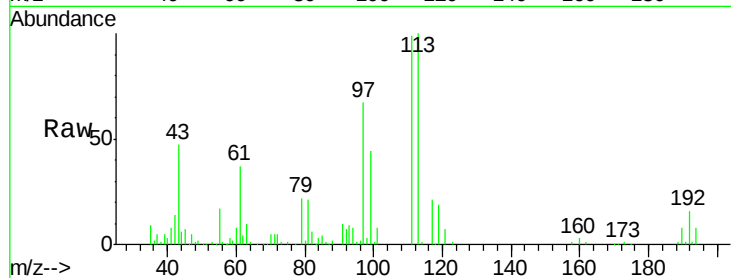




#37
Ethyl Acetate
Concen: 49.433 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

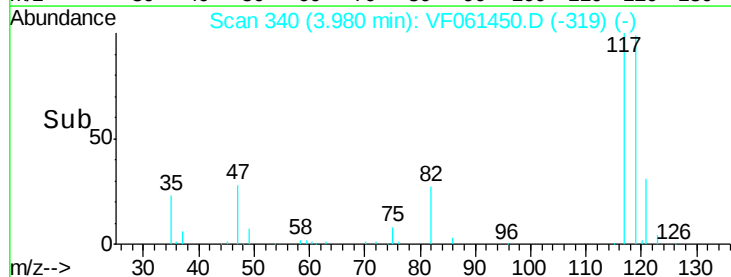
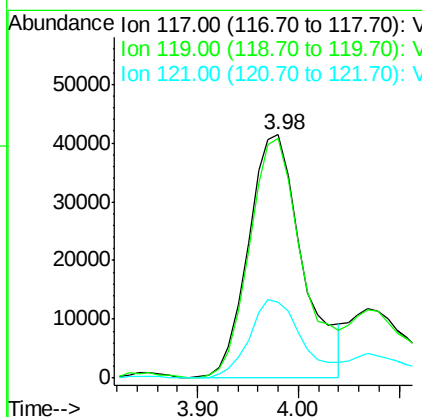
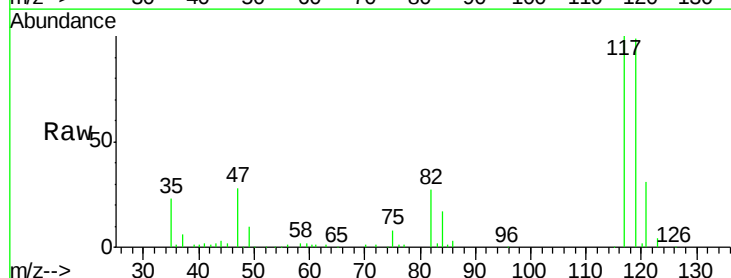
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

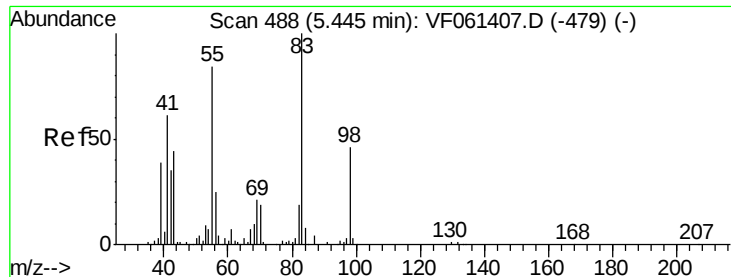
Tot Ion: 43 Resp: 73609
Ion Ratio Lower Upper
43 100
61 77.5 81.7 122.5#
70 9.7 6.2 9.2#



#38
Carbon Tetrachloride
Concen: 47.484 ug/l
RT: 3.98 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion: 117 Resp: 154640
Ion Ratio Lower Upper
117 100
119 98.7 79.0 118.6
121 31.1 27.0 40.6

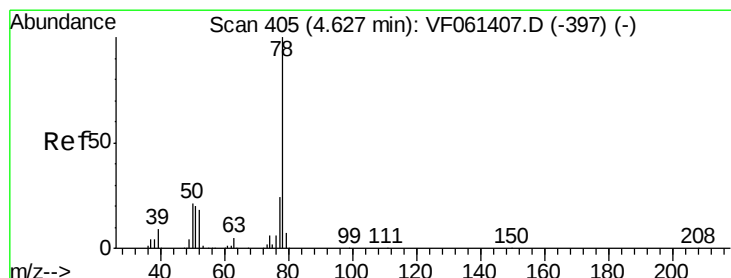
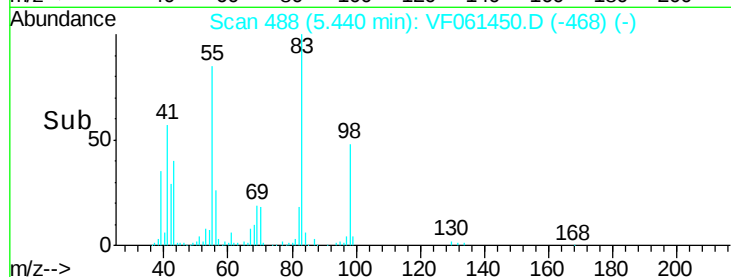
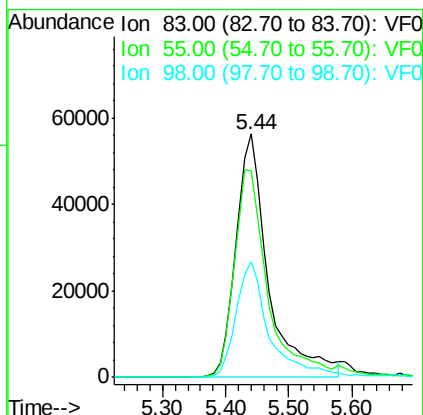
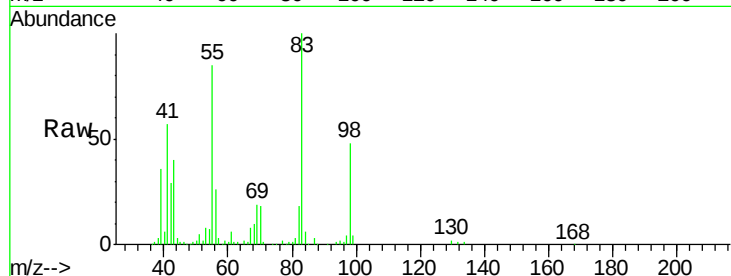




#39
Methvlcvclohexane
Concen: 49.989 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

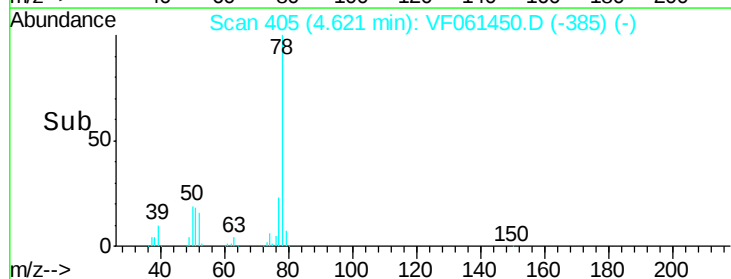
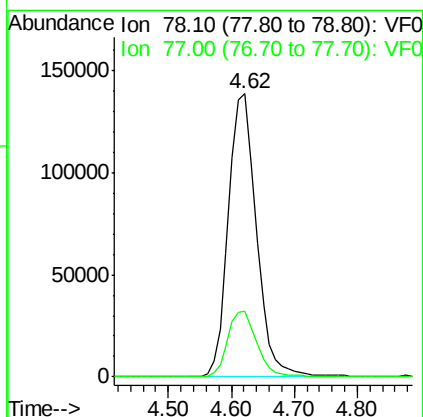
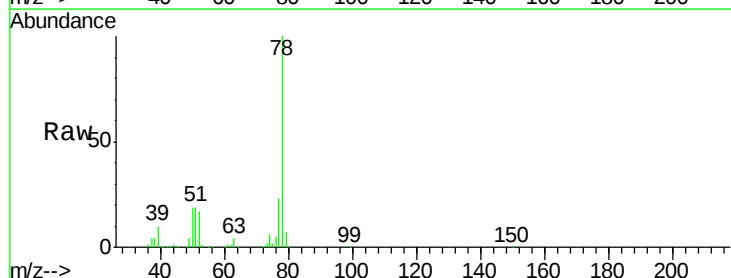
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

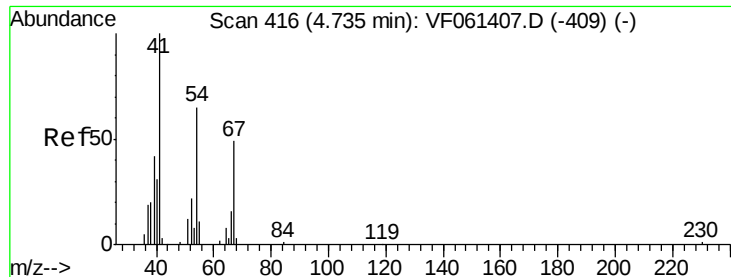
Tot Ion: 83 Resp: 201809
Ion Ratio Lower Upper
83 100
55 84.8 67.4 101.2
98 47.7 36.7 55.1



#40
Benzene
Concen: 51.764 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion: 78 Resp: 429079
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6





#41

Methacrylonitrile

Concen: 51.025 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 40429

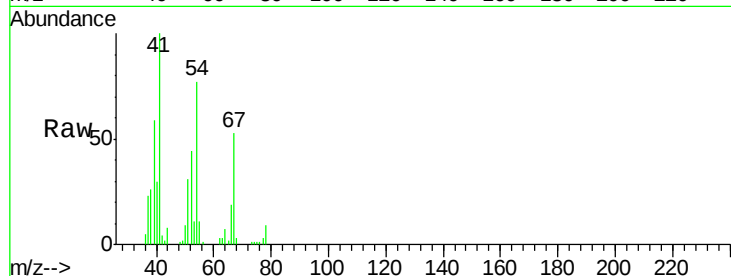
Ion Ratio Lower Upper

41 100

39 59.3 43.1 64.7

67 53.3 38.8 58.2

52 43.7 33.2 49.8

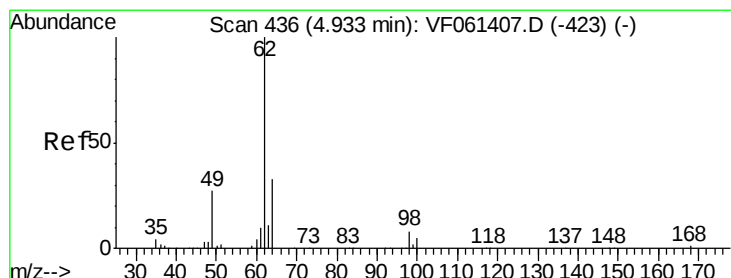
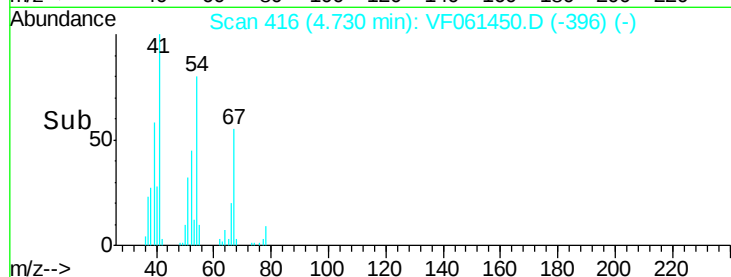
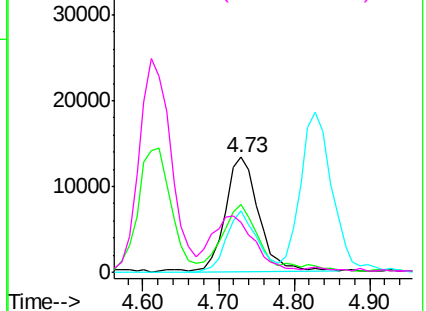


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 48.012 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.01 min

Lab File: VF061450.D

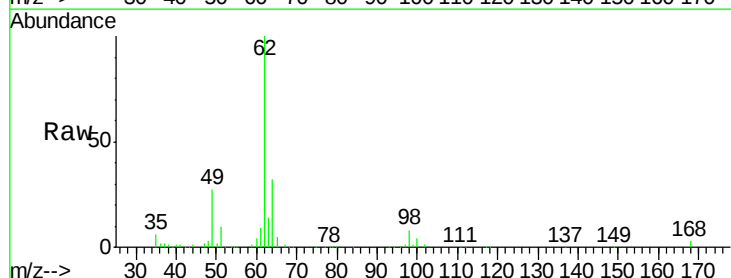
Acq: 17 Jan 2019 17:50

Tgt Ion: 62 Resp: 141819

Ion Ratio Lower Upper

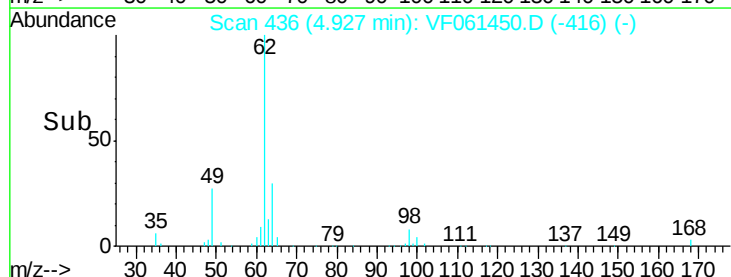
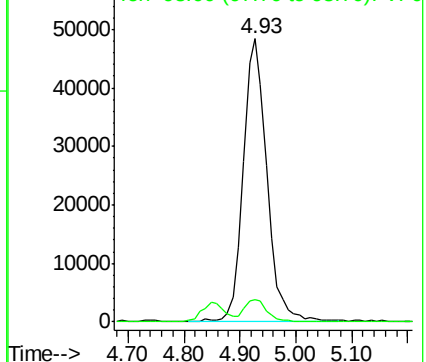
62 100

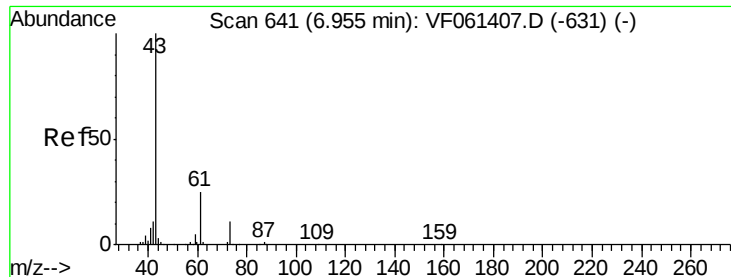
98 7.9 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



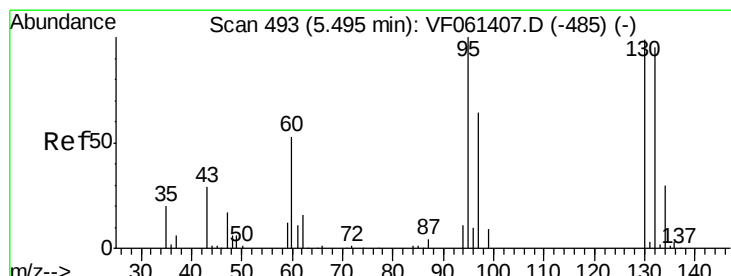
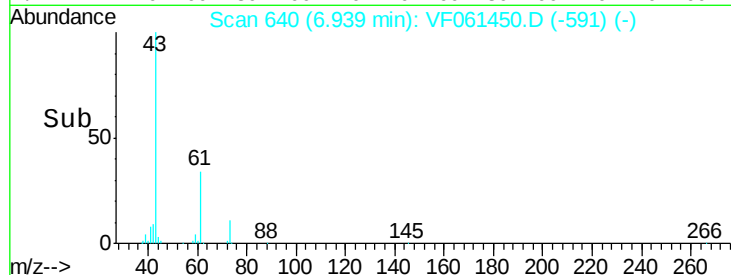
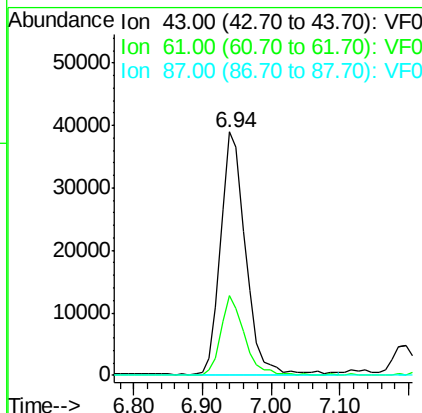
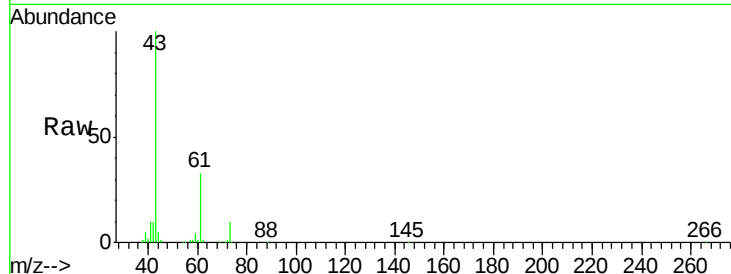


#43

Isopropyl Acetate
 Concen: 53.025 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

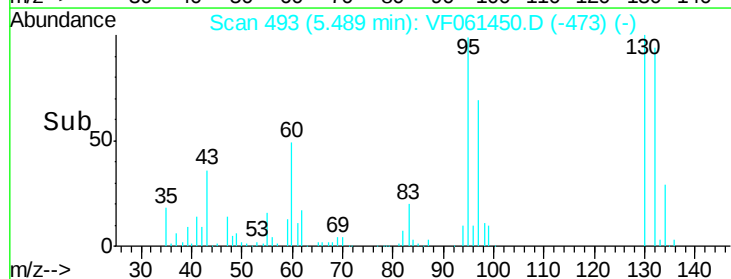
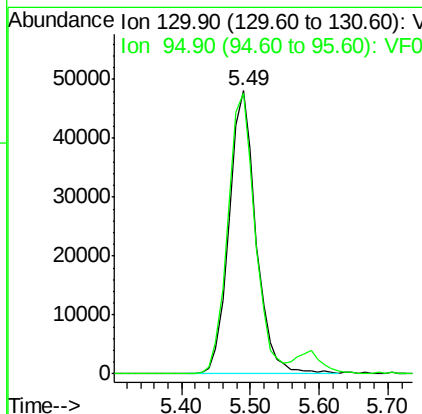
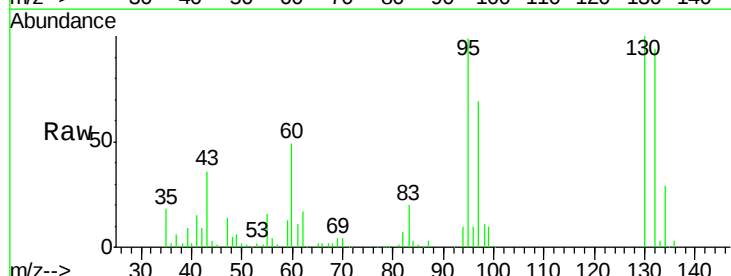
Tot Ion: 43 Resp: 99098
 Ion Ratio Lower Upper
 43 100
 61 32.5 20.3 30.5#
 87 0.0 0.5 0.7#

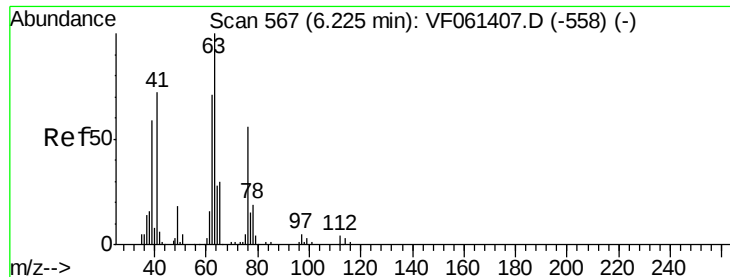


#44

Trichloroethene
 Concen: 51.188 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Tgt Ion:130 Resp: 130162
 Ion Ratio Lower Upper
 130 100
 95 99.4 0.0 202.8





#45

1,2-Dichloropropane

Concen: 51.660 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

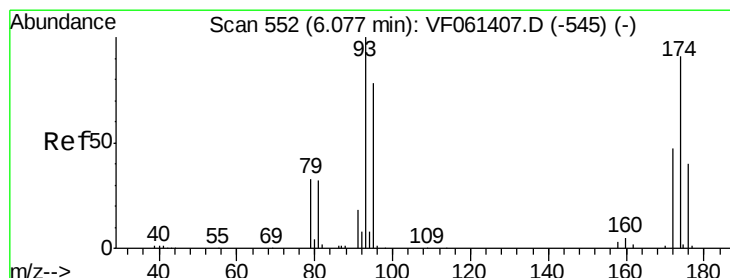
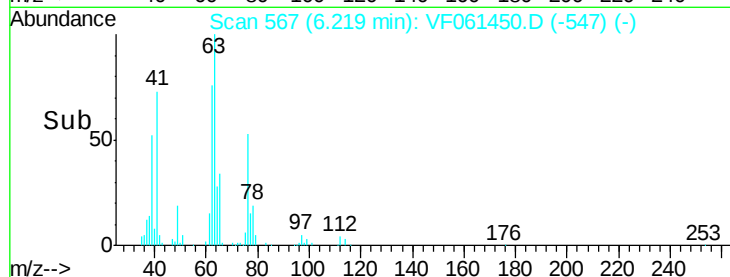
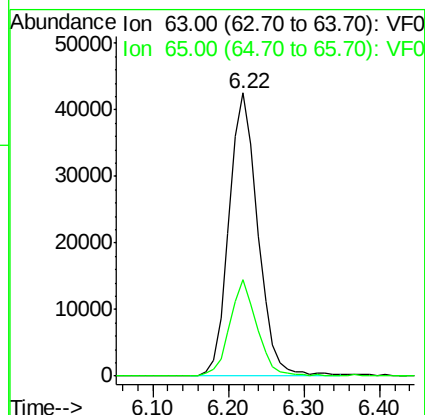
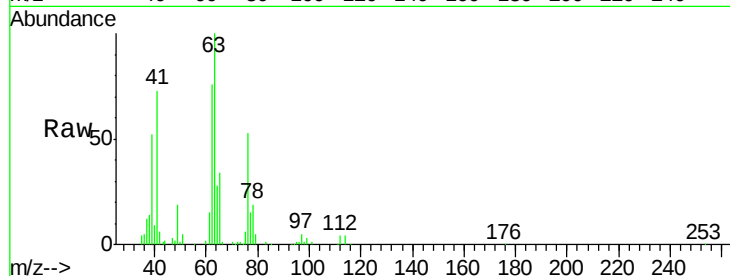
VSTDCCC050EC

Tot Ion: 63 Resp: 112388

Ion Ratio Lower Upper

63 100

65 34.0 24.4 36.6



#46

Dibromomethane

Concen: 50.462 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

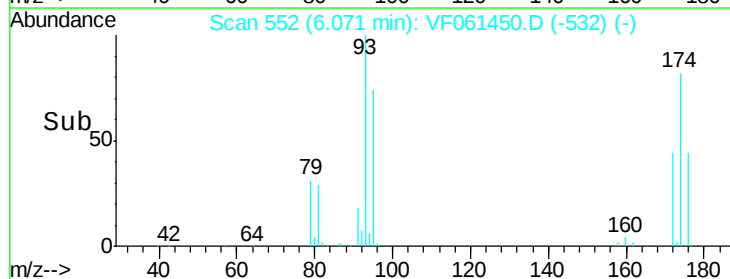
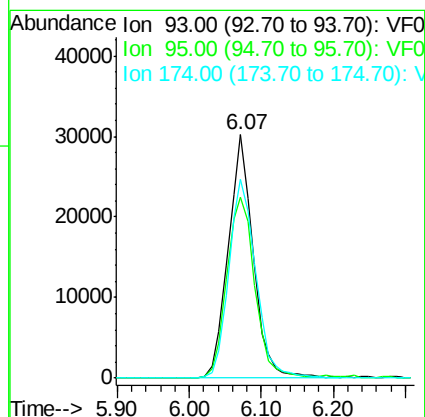
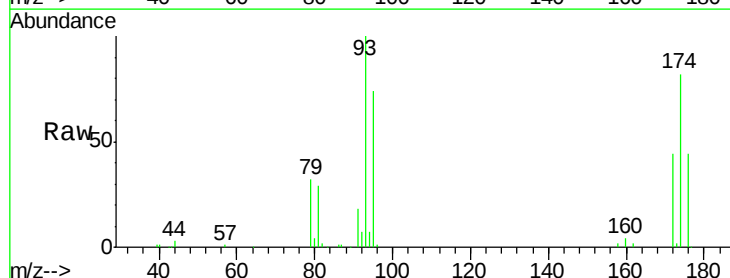
Tgt Ion: 93 Resp: 72997

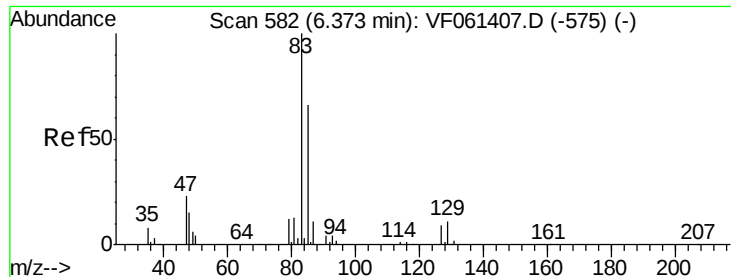
Ion Ratio Lower Upper

93 100

95 74.1 62.1 93.1

174 81.5 74.6 111.8





#47

Bromodichloromethane

Concen: 51.809 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

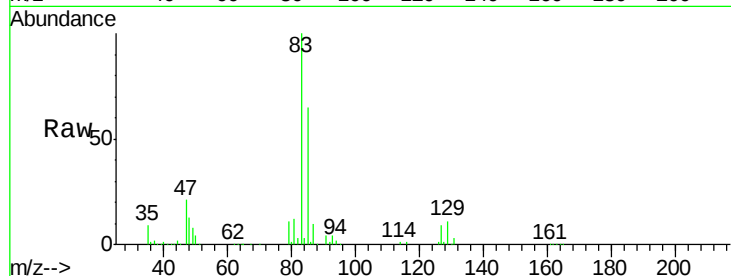
Tot Ion: 83 Resp: 185431

Ion Ratio Lower Upper

83 100

85 65.2 53.0 79.4

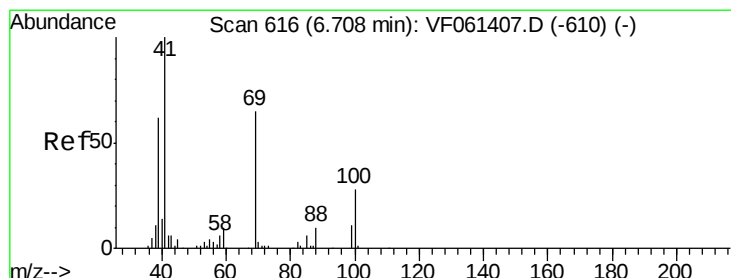
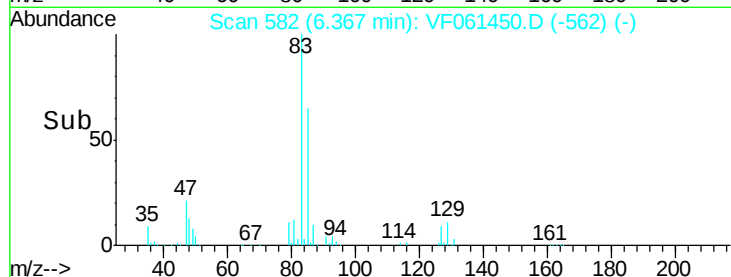
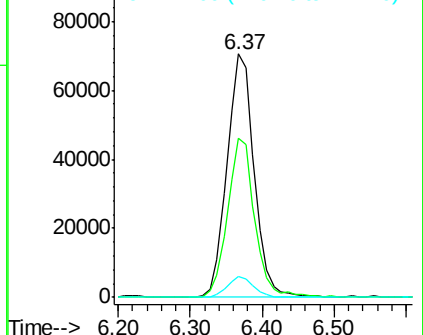
127 8.5 6.9 10.3



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: 52.865 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

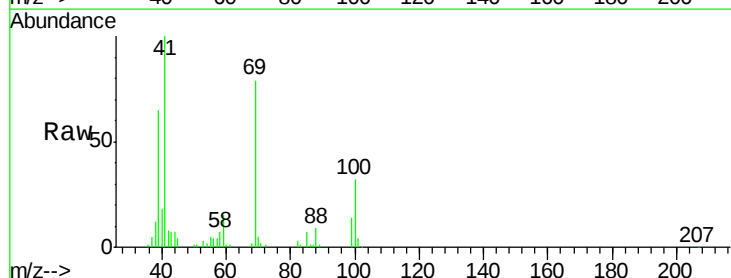
Tgt Ion: 41 Resp: 66344

Ion Ratio Lower Upper

41 100

69 79.3 51.7 77.5#

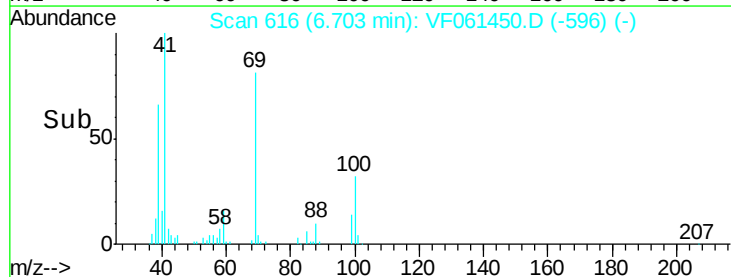
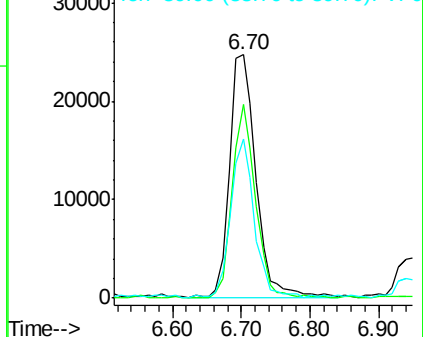
39 65.2 49.2 73.8

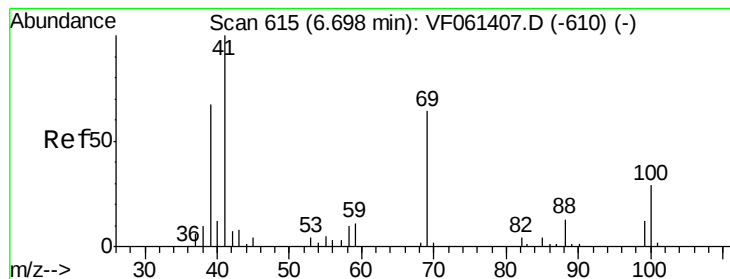


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1043.522 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

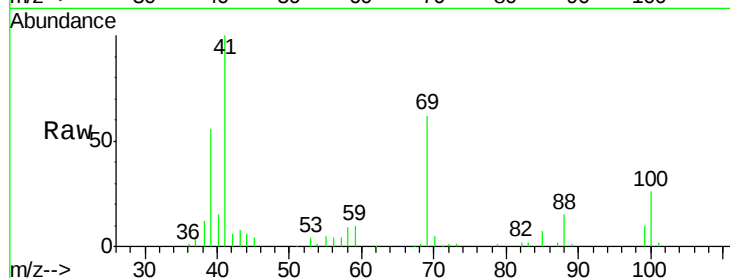
Tot Ion: 88 Resp: 9115

Ion Ratio Lower Upper

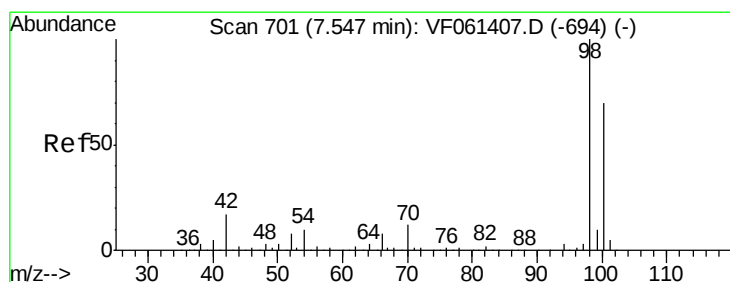
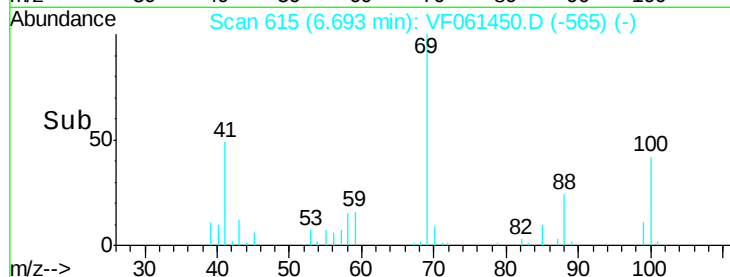
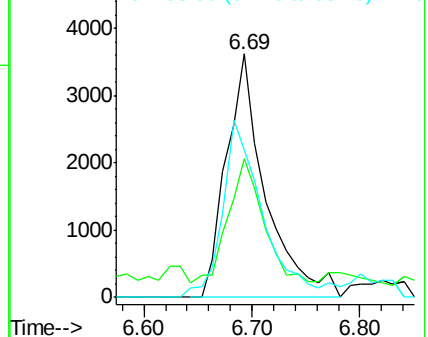
88 100

43 56.9 55.5 83.3

58 60.6 59.9 89.9



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 51.870 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061450.D

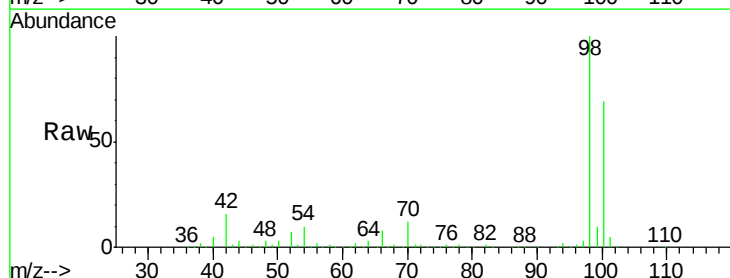
Acq: 17 Jan 2019 17:50

Tgt Ion: 98 Resp: 360297

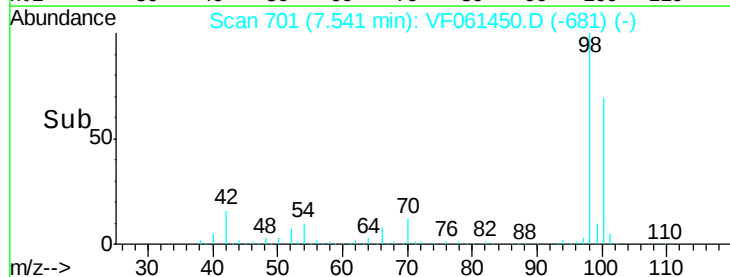
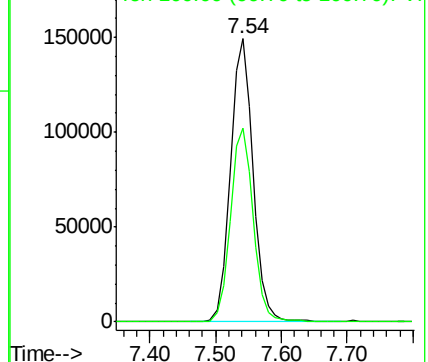
Ion Ratio Lower Upper

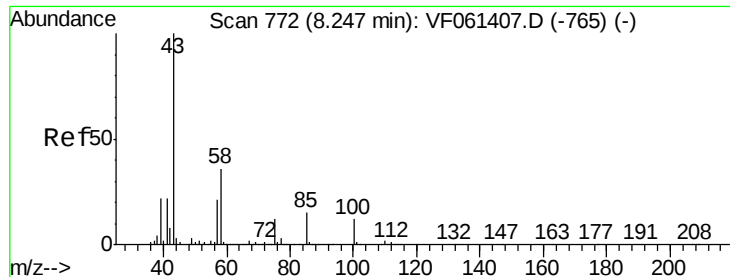
98 100

100 68.5 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 229.331 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

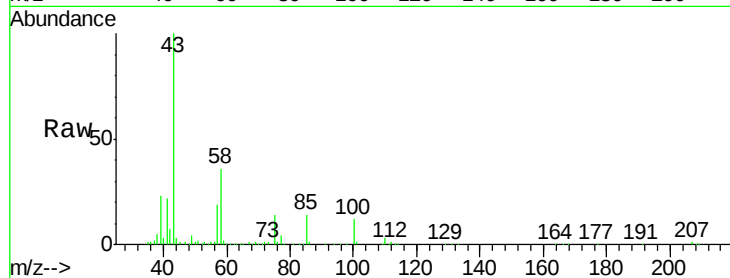
VSTDCCC050EC

Tot Ion: 43 Resp: 315086

Ion Ratio Lower Upper

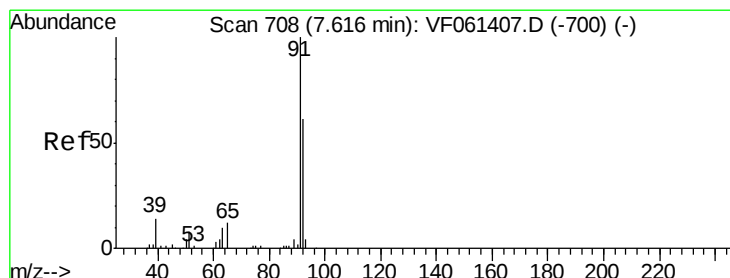
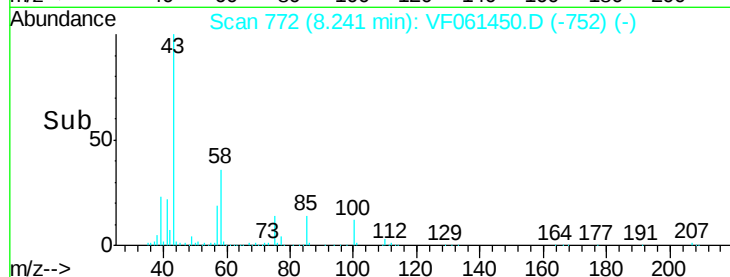
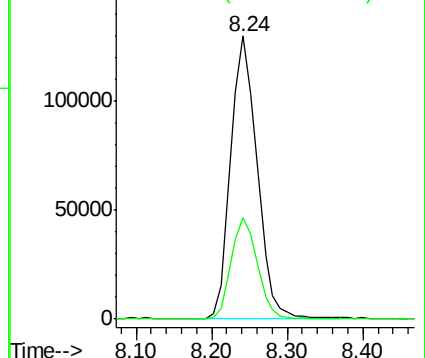
43 100

58 35.9 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: 50.202 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061450.D

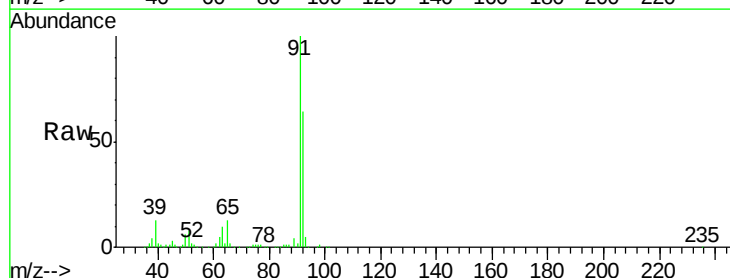
Acq: 17 Jan 2019 17:50

Tgt Ion: 92 Resp: 274038

Ion Ratio Lower Upper

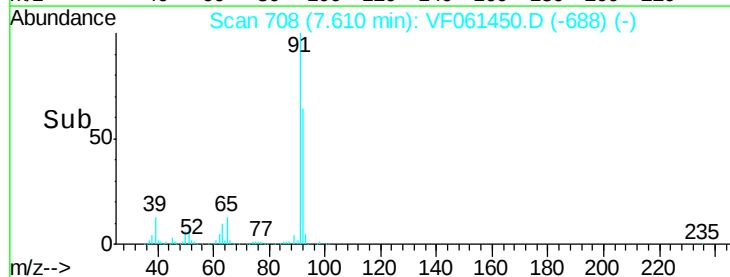
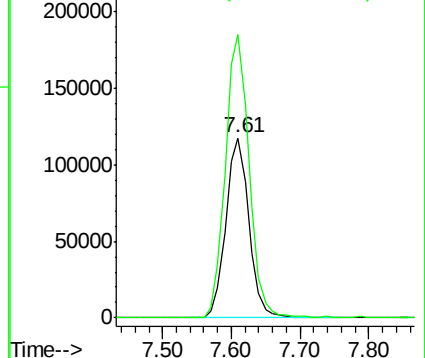
92 100

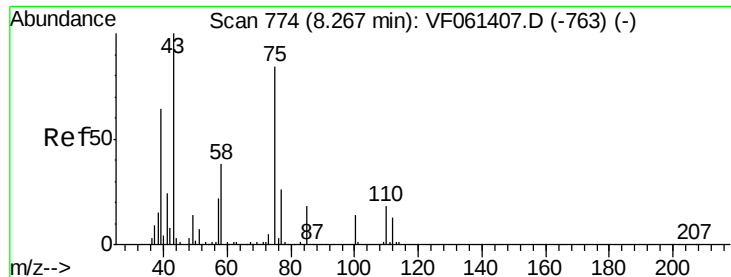
91 157.1 131.2 196.8



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: 48.534 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

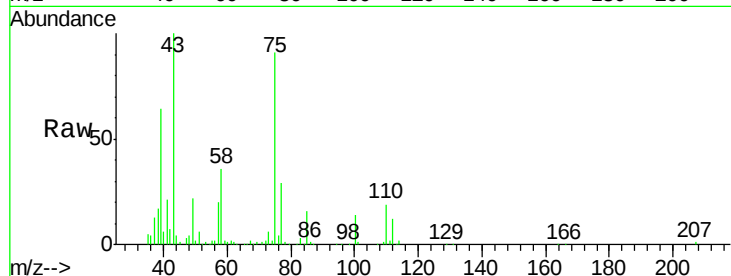
VSTDCCC050EC

Tot Ion: 75 Resp: 137935

Ion Ratio Lower Upper

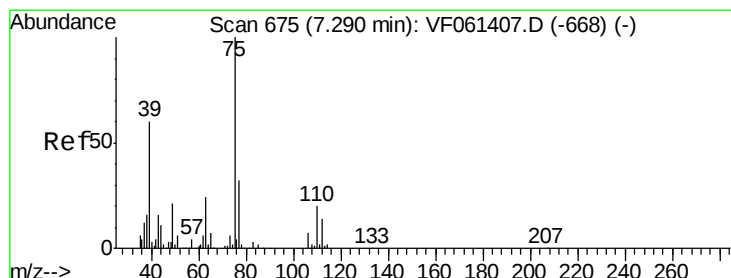
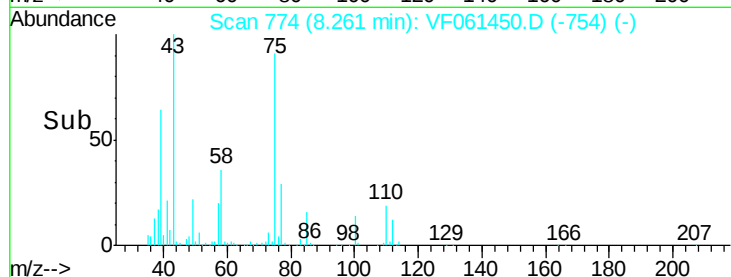
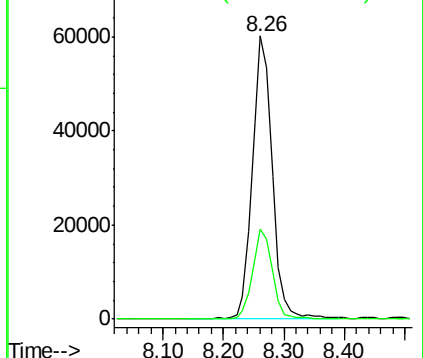
75 100

77 31.6 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: 53.794 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

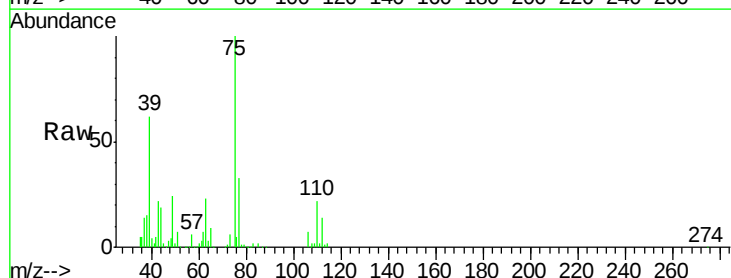
Tgt Ion: 75 Resp: 191102

Ion Ratio Lower Upper

75 100

77 33.4 25.4 38.0

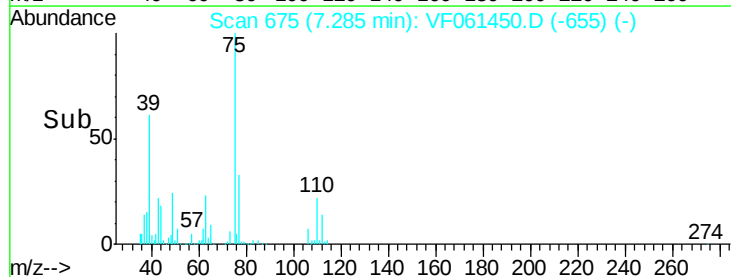
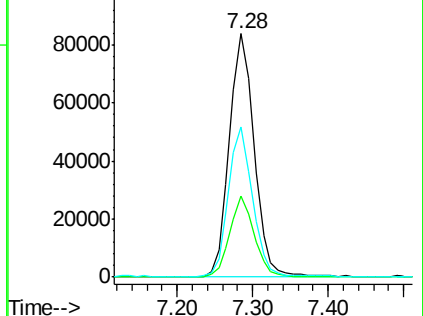
39 61.6 47.8 71.8

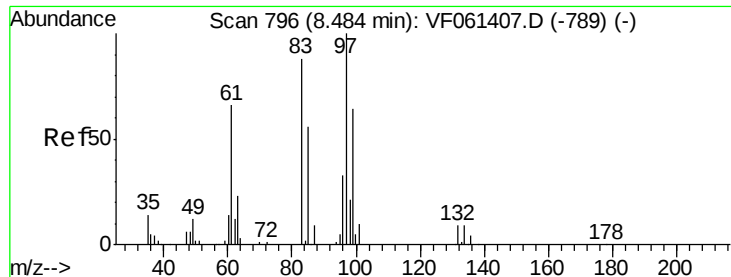


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 53.400 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 82776

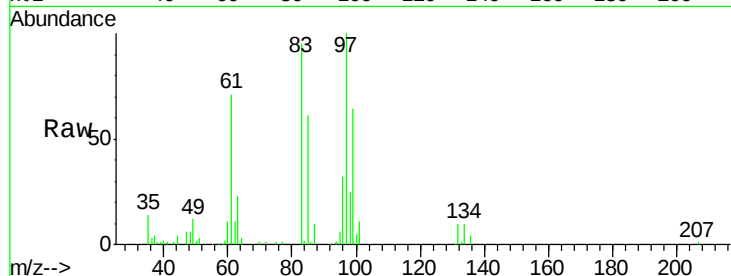
Ion	Ratio	Lower	Upper
97	100		
83	95.1	70.4	105.6
85	61.3	44.7	67.1
99	64.0	50.8	76.2

97 100

83 95.1 70.4 105.6

85 61.3 44.7 67.1

99 64.0 50.8 76.2



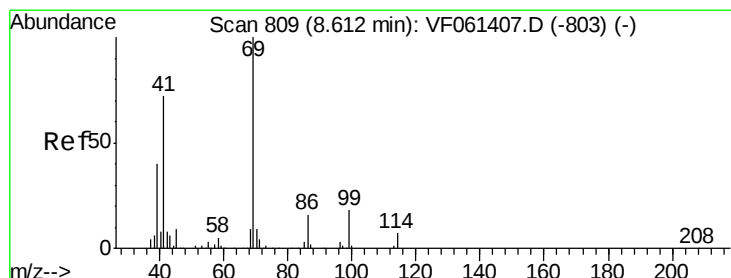
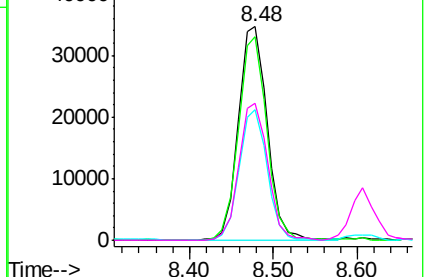
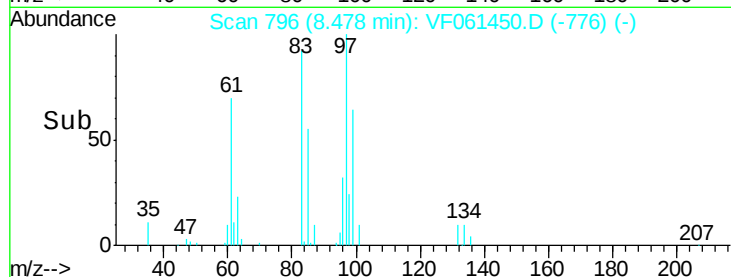
Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 51.804 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

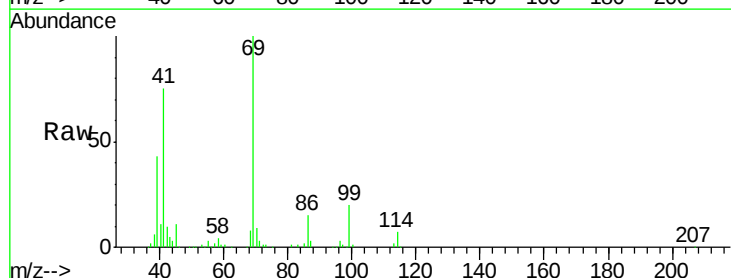
Tgt Ion: 69 Resp: 93425

Ion	Ratio	Lower	Upper
69	100		
41	75.1	57.5	86.3
39	43.3	32.0	48.0

69 100

41 75.1 57.5 86.3

39 43.3 32.0 48.0

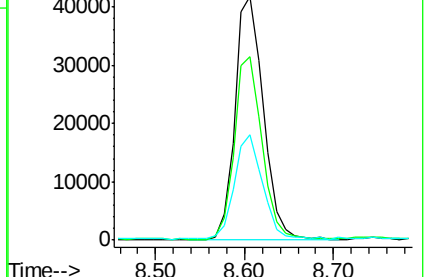
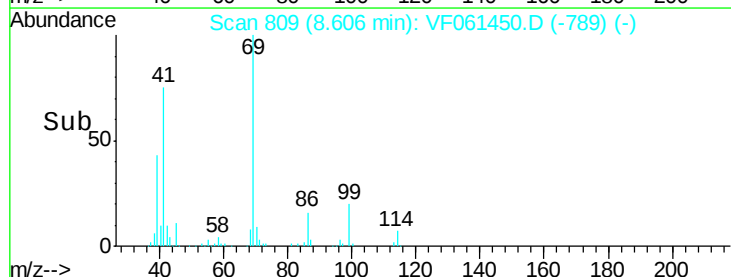


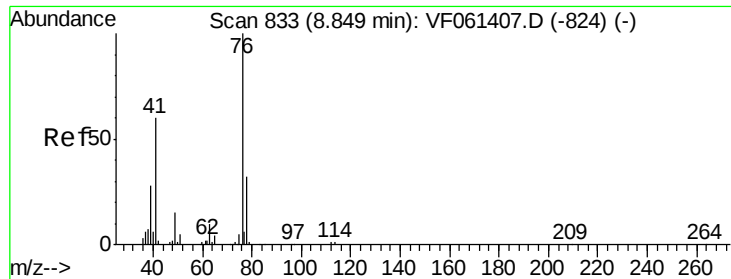
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->





#57

1,3-Dichloropropane

Concen: 51.425 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

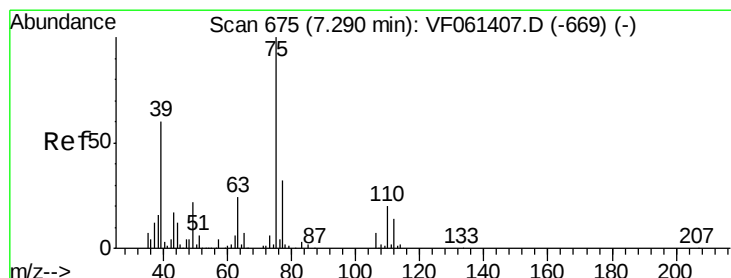
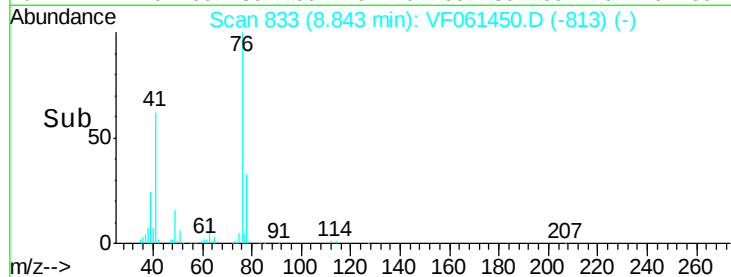
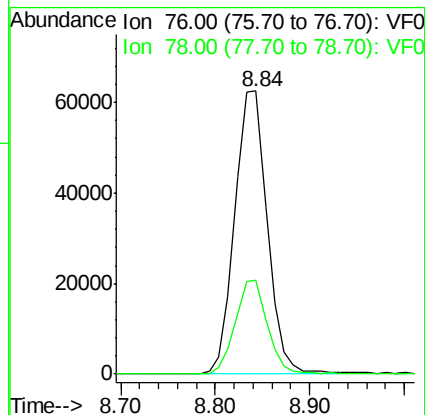
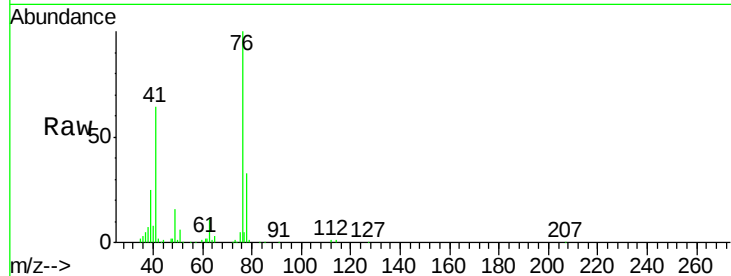
VSTDCCC050EC

Tot Ion: 76 Resp: 149415

Ion Ratio Lower Upper

76 100

78 33.0 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 262.896 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF061450.D

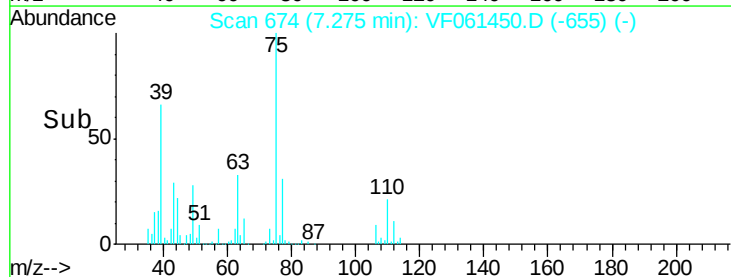
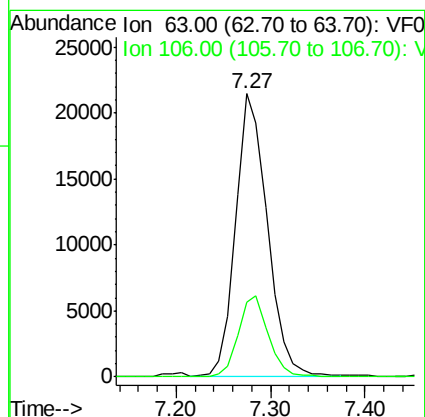
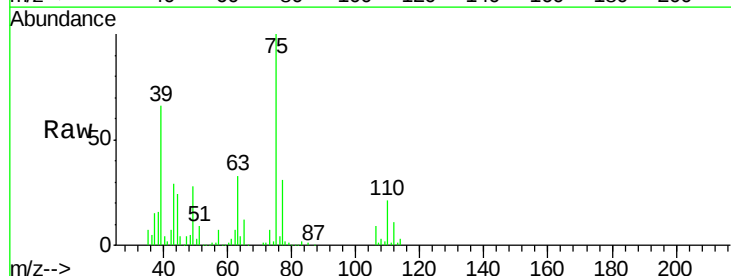
Acq: 17 Jan 2019 17:50

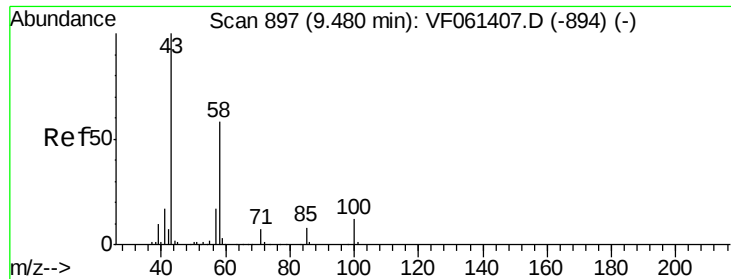
Tgt Ion: 63 Resp: 50019

Ion Ratio Lower Upper

63 100

106 26.5 21.9 32.9





#59

2-Hexanone

Concen: 263.028 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

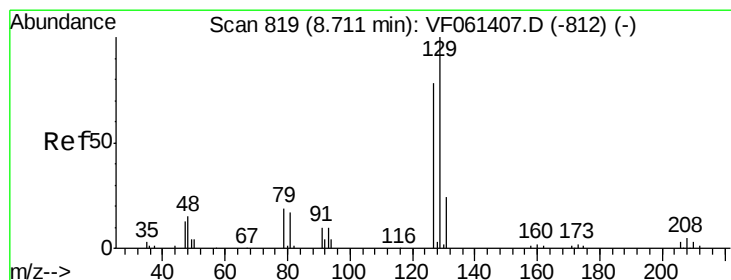
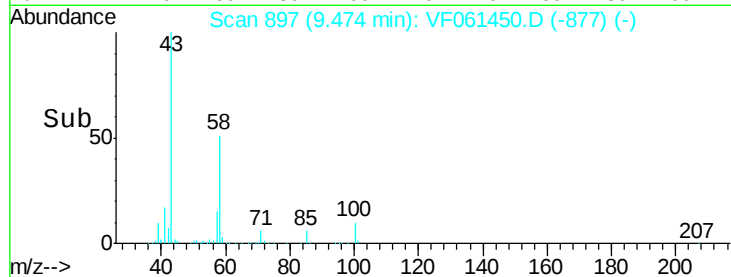
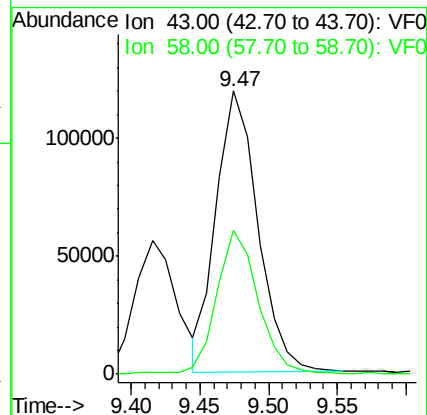
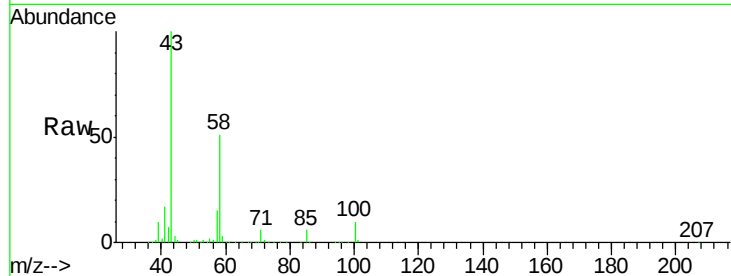
VSTDCCC050EC

Tot Ion: 43 Resp: 252000

Ion Ratio Lower Upper

43 100

58 50.9 25.9 77.6



#60

Dibromochloromethane

Concen: 51.067 ug/l

RT: 8.71 min Scan# 819

Delta R.T. -0.01 min

Lab File: VF061450.D

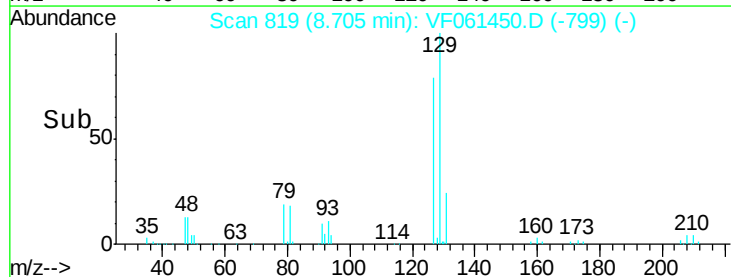
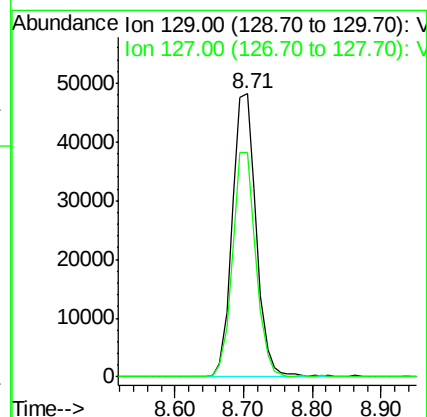
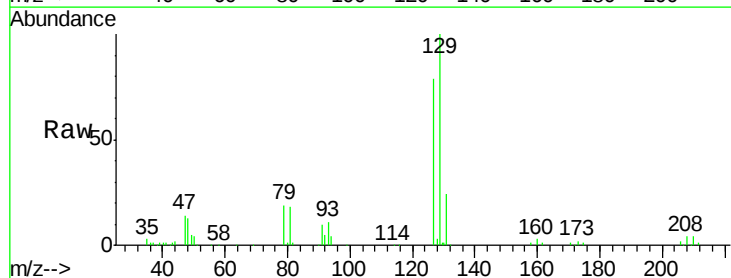
Acq: 17 Jan 2019 17:50

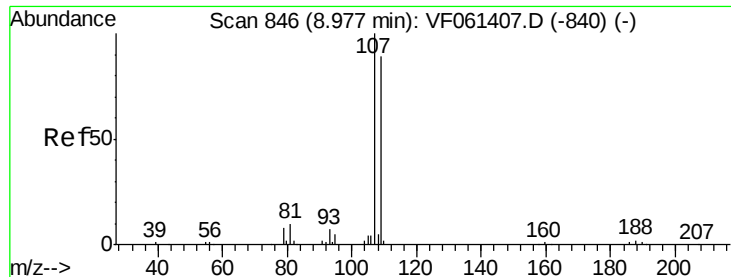
Tgt Ion: 129 Resp: 115728

Ion Ratio Lower Upper

129 100

127 79.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 50.532 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

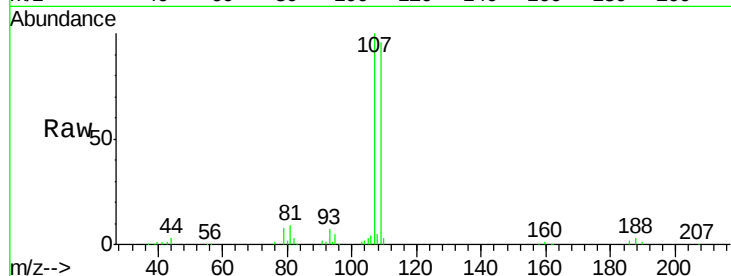
VSTDCCC050EC

Tot Ion:107 Resp: 89672

Ion Ratio Lower Upper

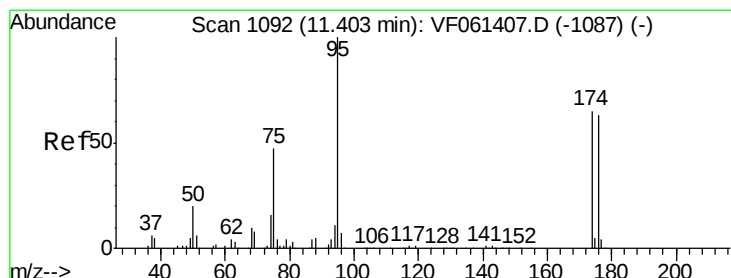
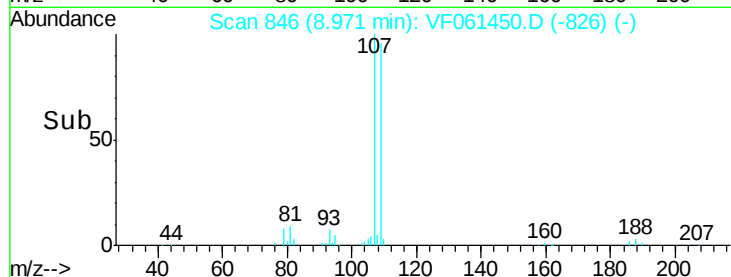
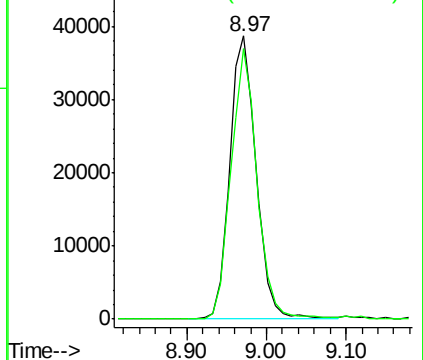
107 100

109 95.6 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: 49.758 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

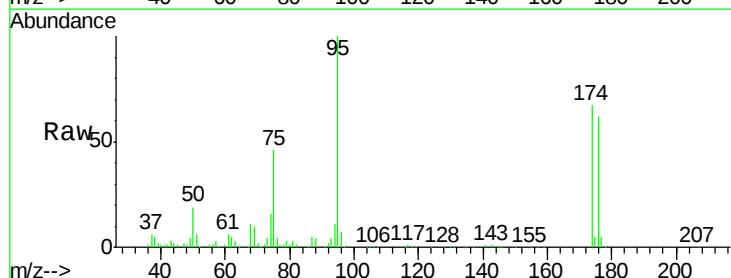
Tgt Ion: 95 Resp: 161486

Ion Ratio Lower Upper

95 100

174 67.0 0.0 130.4

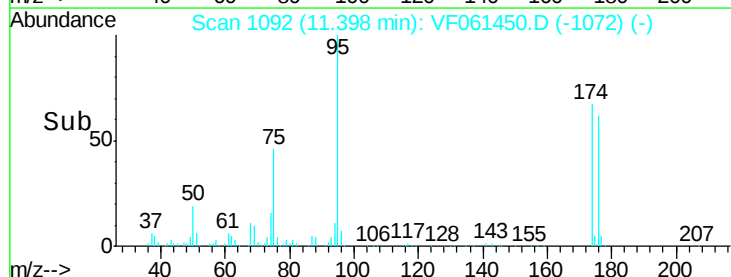
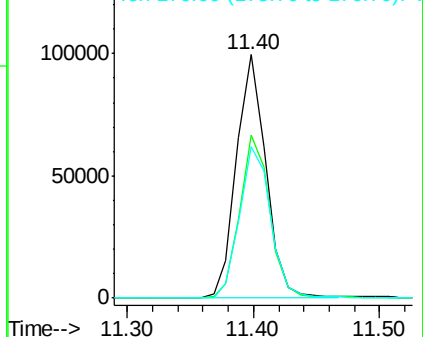
176 62.2 0.0 126.2

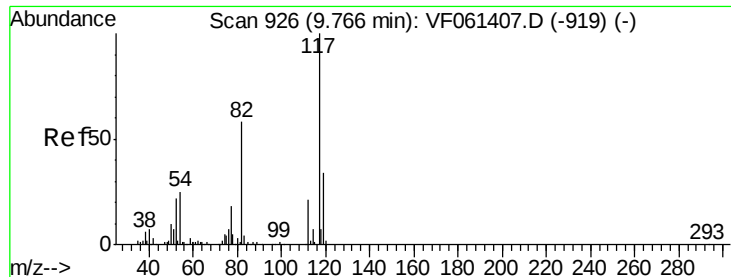


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

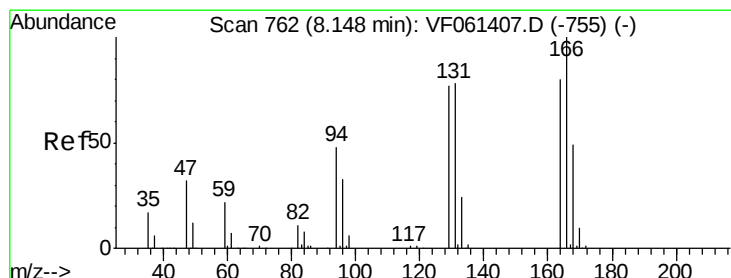
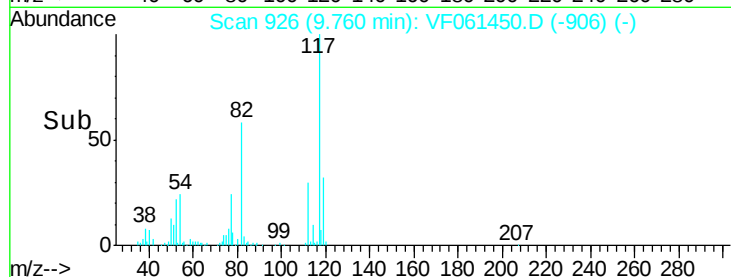
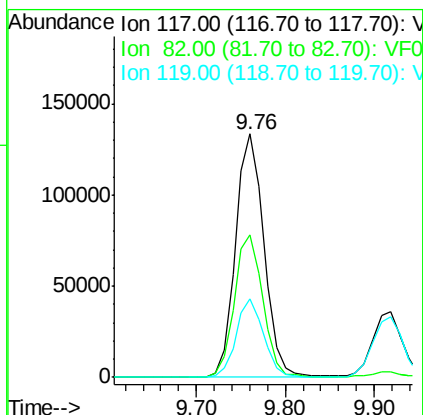
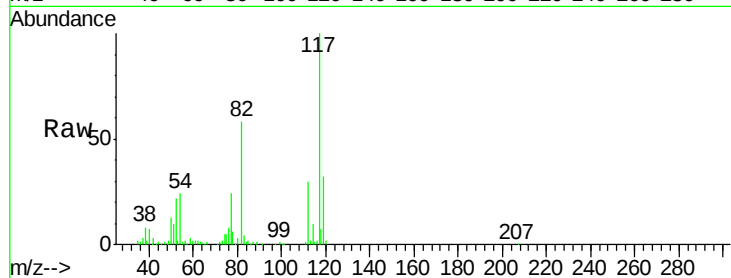




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

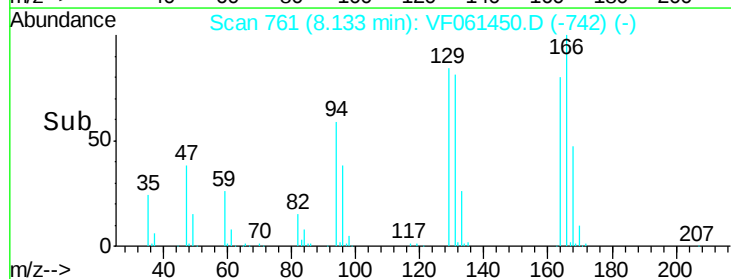
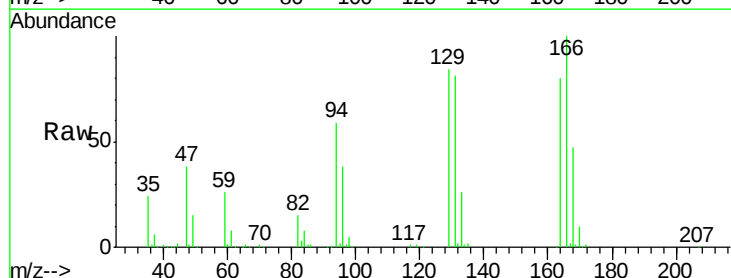
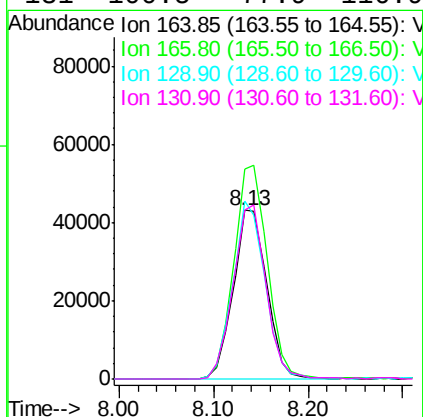
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

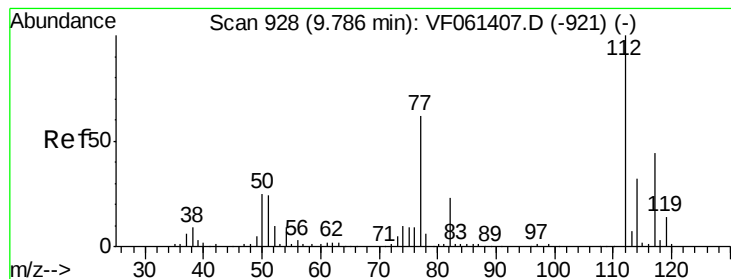
Tot Ion:117 Resp: 298201
Ion Ratio Lower Upper
117 100
82 58.5 46.4 69.6
119 32.3 27.2 40.8



#64
Tetrachloroethene
Concen: 47.268 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.02 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion:164 Resp: 105998
Ion Ratio Lower Upper
164 100
166 124.7 99.6 149.4
129 105.1 76.4 114.6
131 100.5 77.9 116.9





#65

Chlorobenzene

Concen: 50.462 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

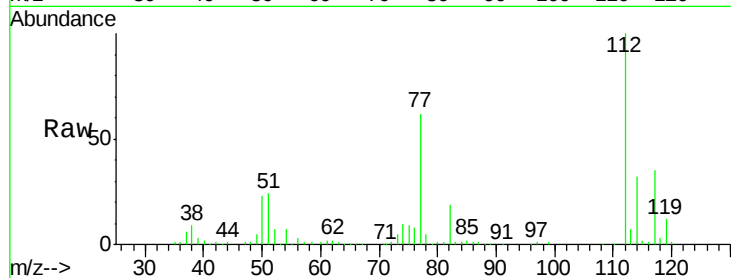
VSTDCCC050EC

Tot Ion:112 Resp: 306007

Ion Ratio Lower Upper

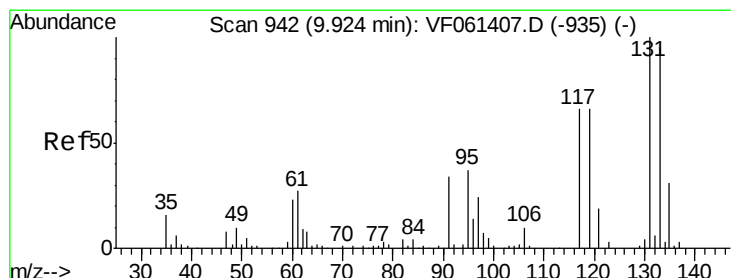
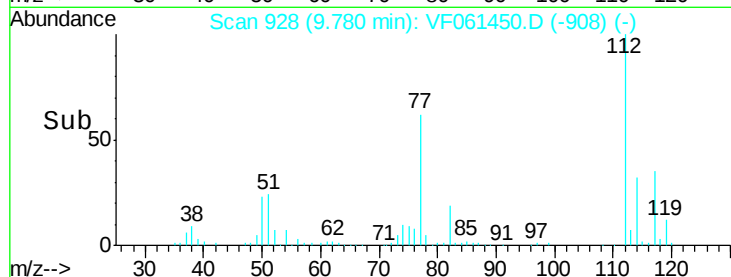
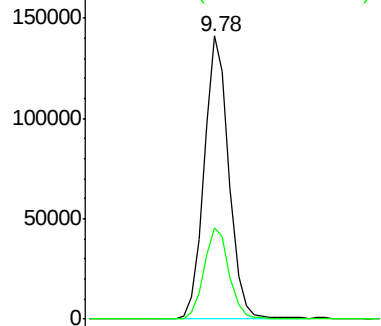
112 100

114 32.2 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.993 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

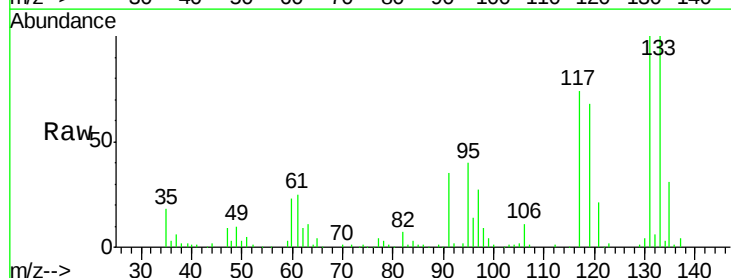
Tgt Ion:131 Resp: 115939

Ion Ratio Lower Upper

131 100

133 100.3 47.4 142.2

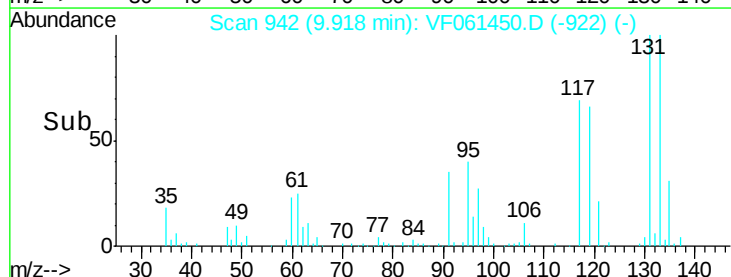
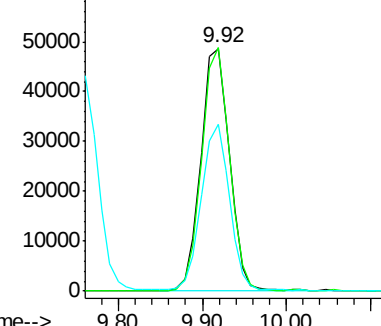
119 68.5 33.1 99.3

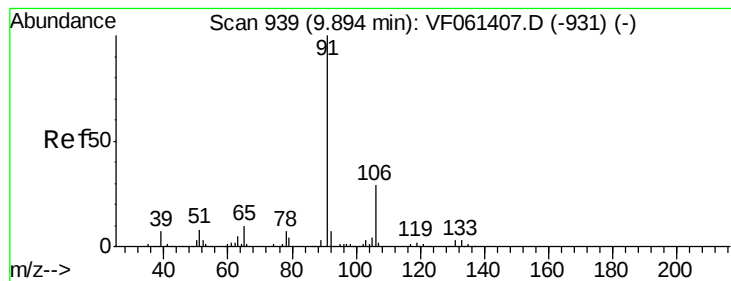


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 48.783 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

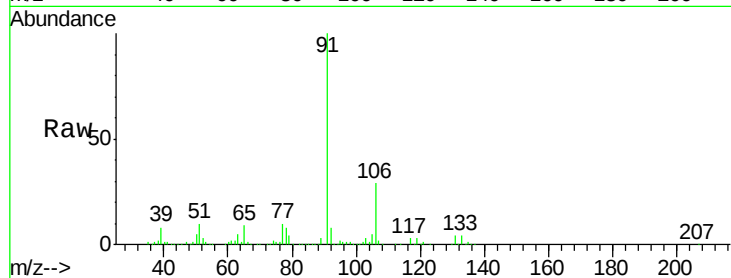
VSTDCCC050EC

Tot Ion: 91 Resp: 540487

Ion Ratio Lower Upper

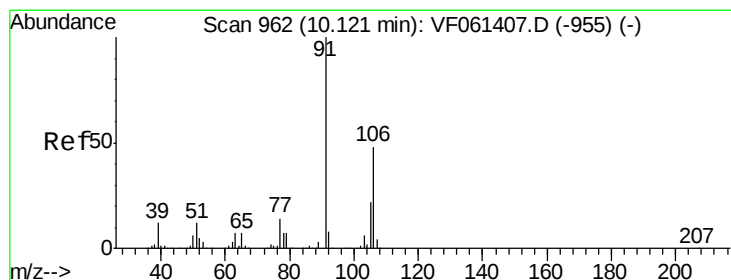
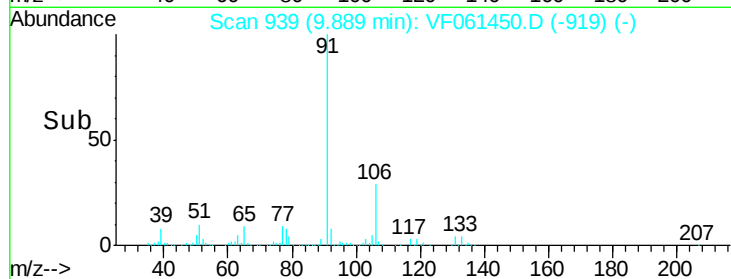
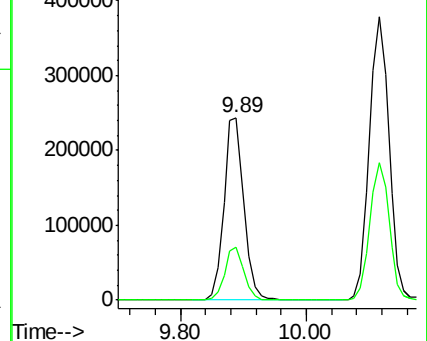
91 100

106 29.2 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 98.962 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF061450.D

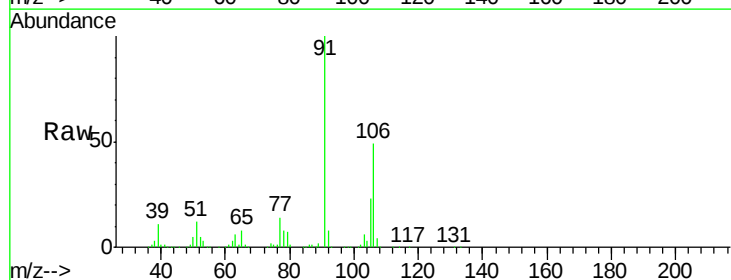
Acq: 17 Jan 2019 17:50

Tgt Ion: 106 Resp: 394356

Ion Ratio Lower Upper

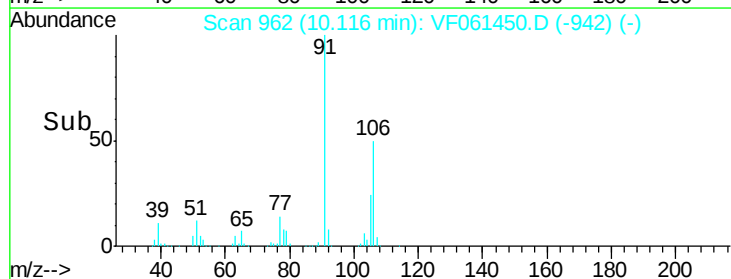
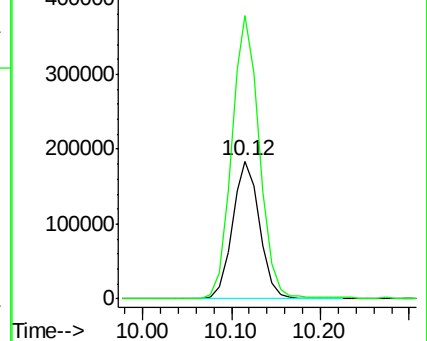
106 100

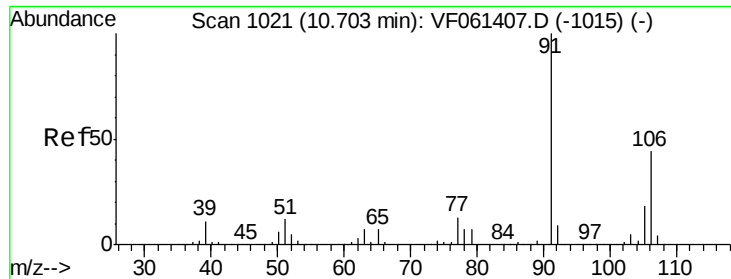
91 205.0 166.2 249.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

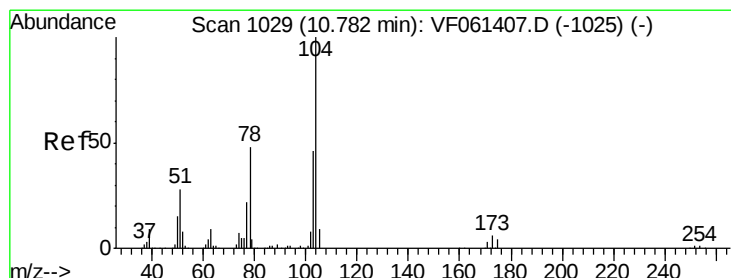
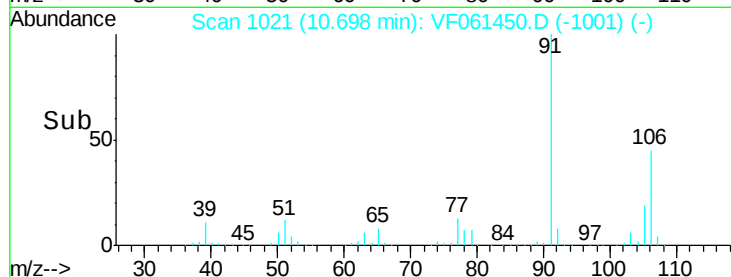
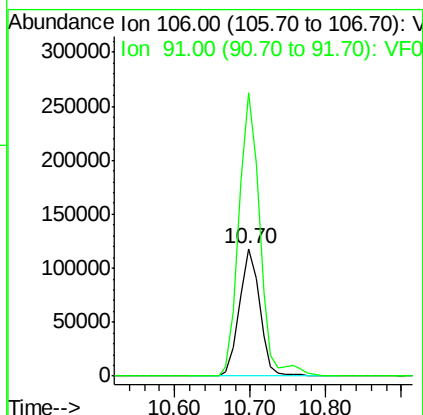
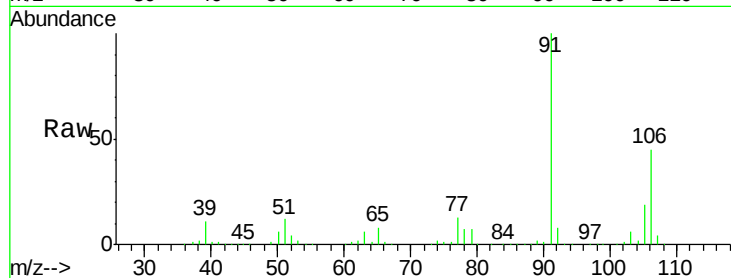




#69
o-Xylene
Concen: 50.686 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

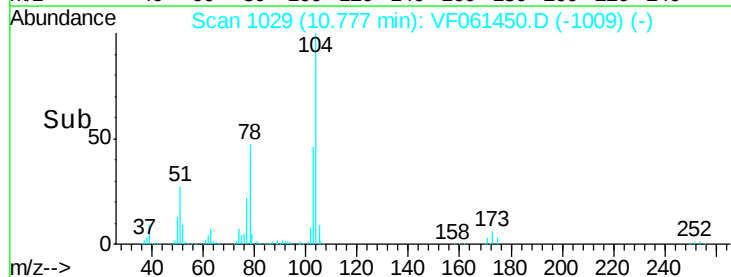
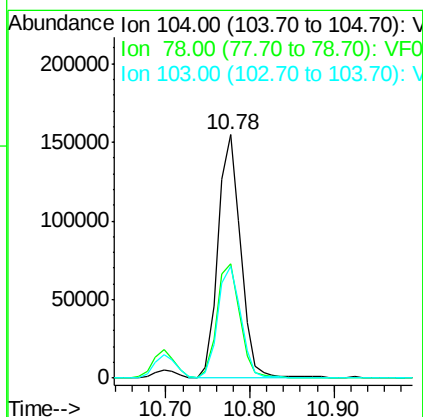
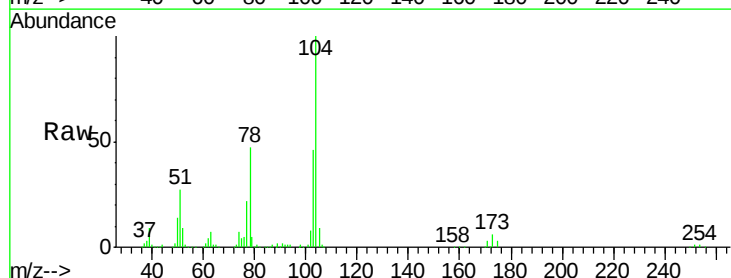
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

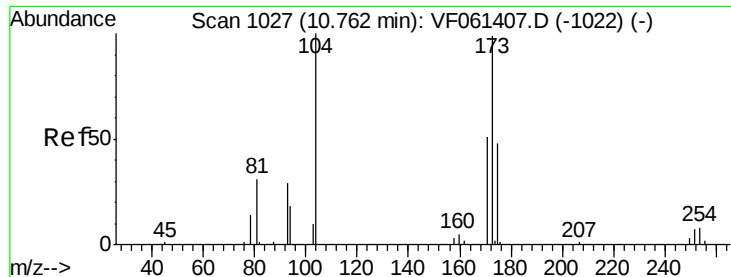
Tot Ion:106 Resp: 218907
Ion Ratio Lower Upper
106 100
91 221.9 113.3 339.8



#70
Styrene
Concen: 48.642 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion:104 Resp: 287564
Ion Ratio Lower Upper
104 100
78 47.0 38.8 58.2
103 45.9 37.0 55.6





#71

Bromoform

Concen: 50.931 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

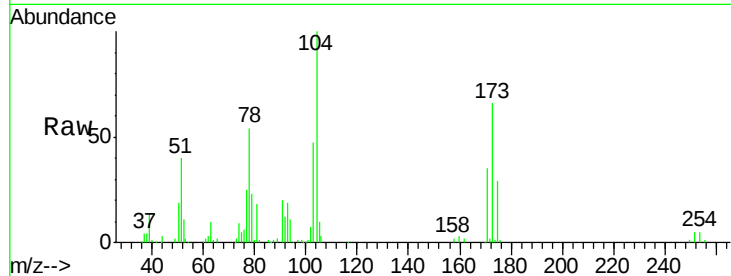
Tot Ion:173 Resp: 55281

Ion Ratio Lower Upper

173 100

175 44.2 24.1 72.4

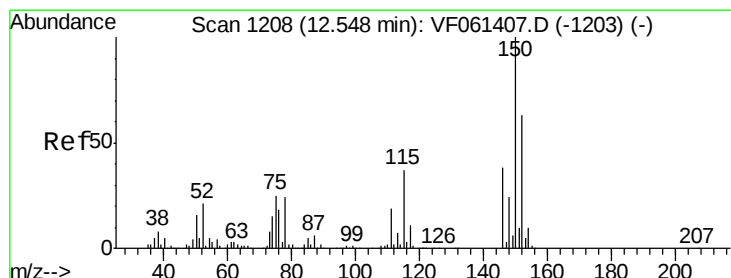
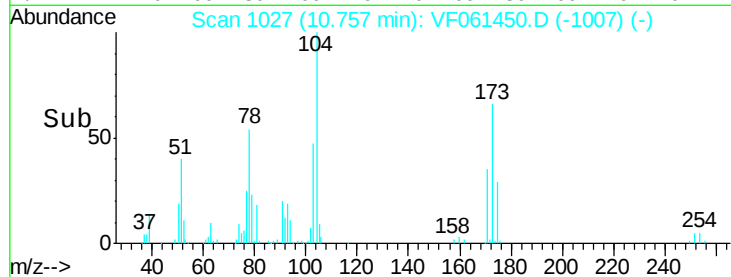
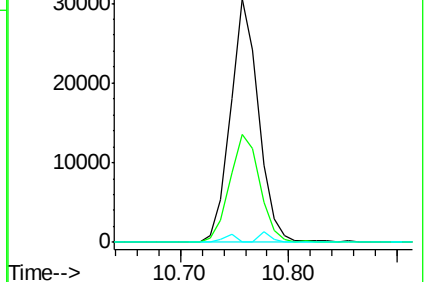
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

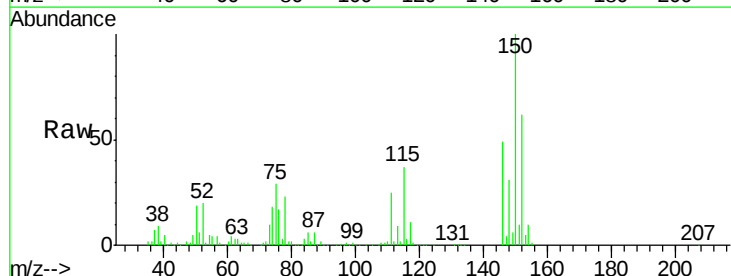
Tgt Ion:152 Resp: 141431

Ion Ratio Lower Upper

152 100

115 59.6 30.0 90.0

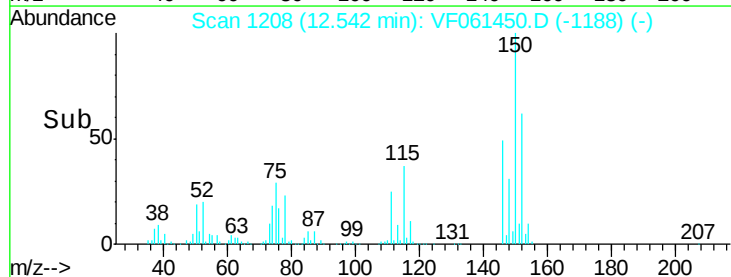
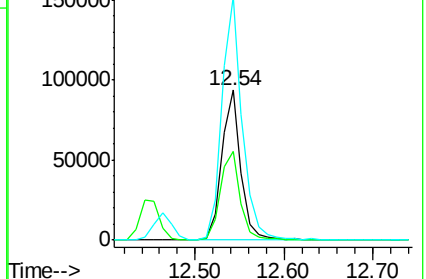
150 162.4 0.0 321.4

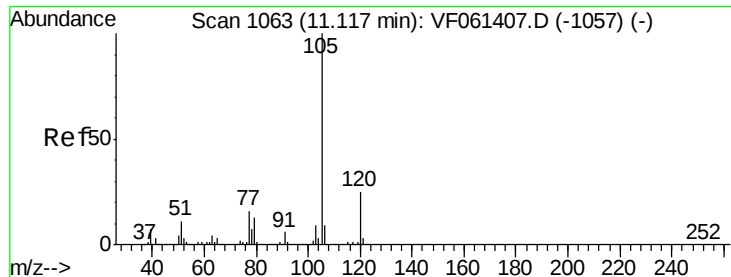


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 53.940 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

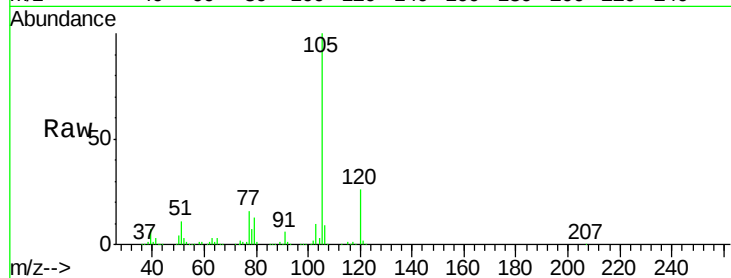
VSTDCCC050EC

Tot Ion:105 Resp: 620461

Ion Ratio Lower Upper

105 100

120 26.0 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.11

400000

300000

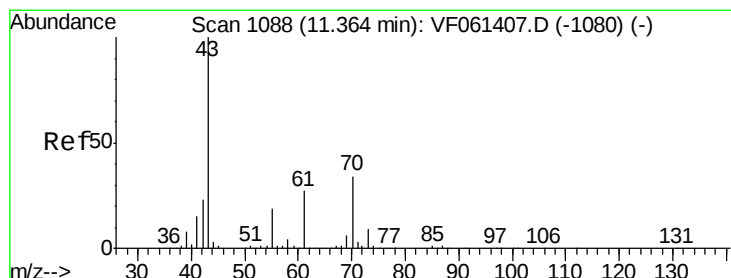
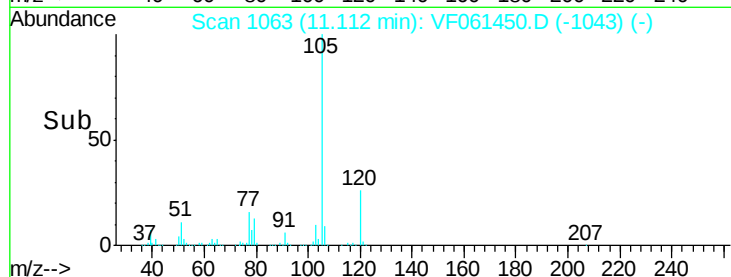
200000

100000

0

Time-->

11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 53.612 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Tgt Ion: 43 Resp: 145826

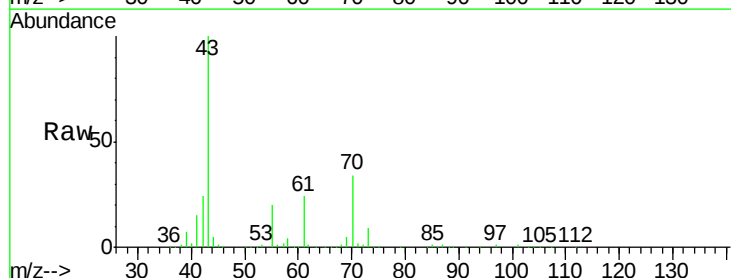
Ion Ratio Lower Upper

43 100

70 34.1 27.6 41.4

55 20.3 15.4 23.2

61 24.5 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.36

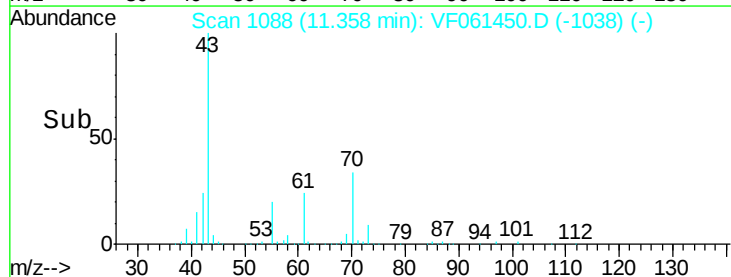
100000

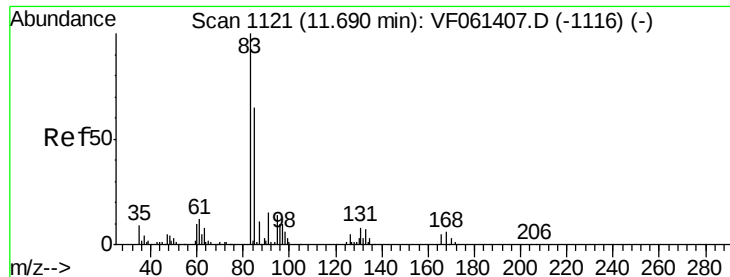
50000

0

Time-->

11.20 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 52.471 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

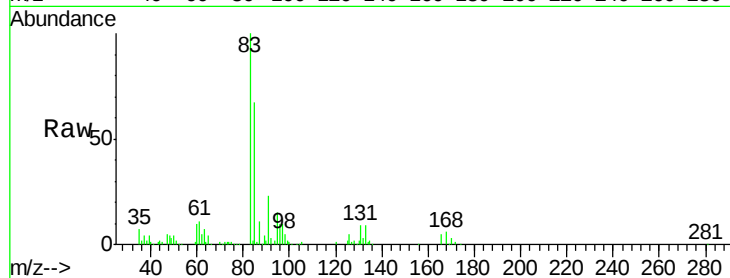
Tot Ion: 83 Resp: 107523

Ion Ratio Lower Upper

83 100

131 9.2 4.0 12.2

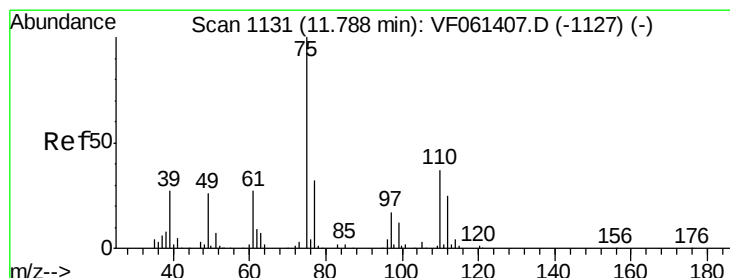
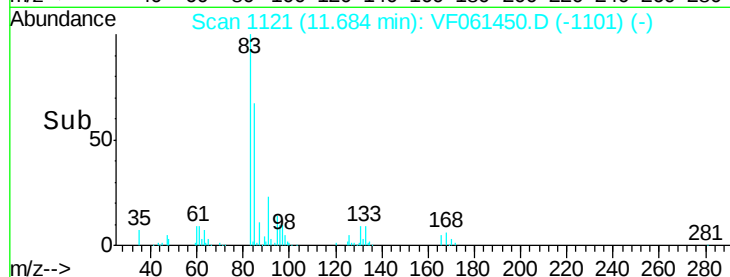
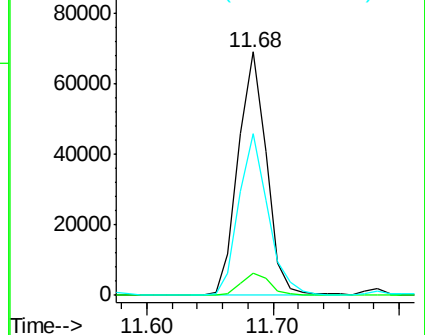
85 66.6 32.7 98.1



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: 52.128 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061450.D

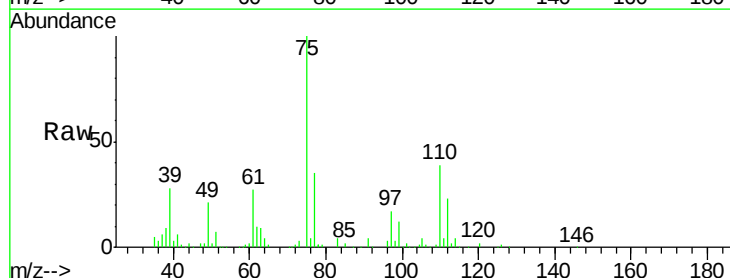
Acq: 17 Jan 2019 17:50

Tgt Ion: 75 Resp: 76755

Ion Ratio Lower Upper

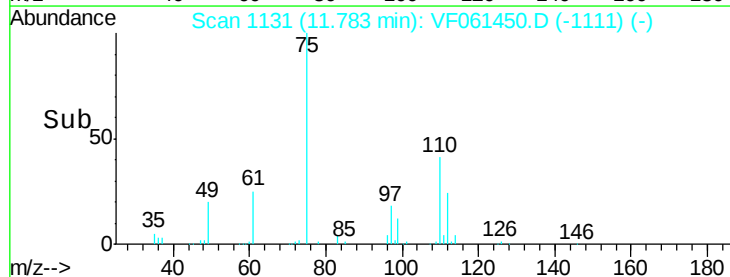
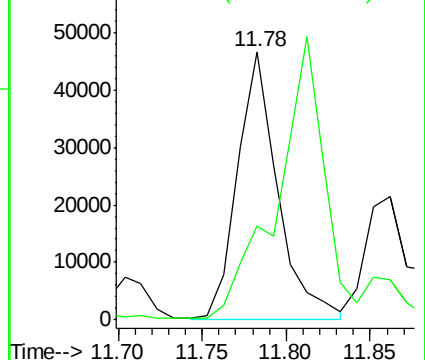
75 100

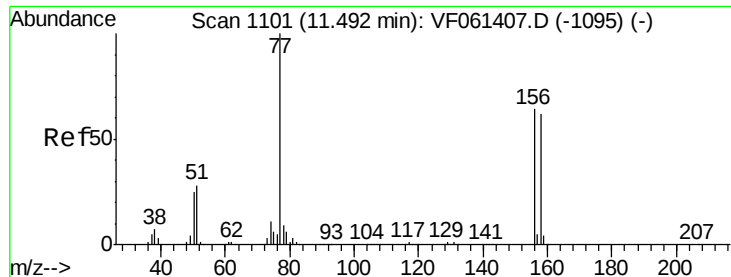
77 34.8 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.503 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

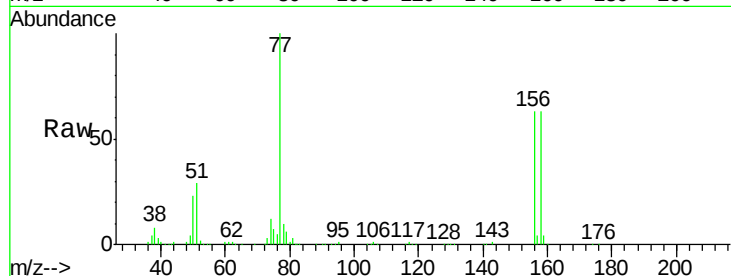
Tot Ion:156 Resp: 132405

Ion Ratio Lower Upper

156 100

77 157.5 78.3 234.9

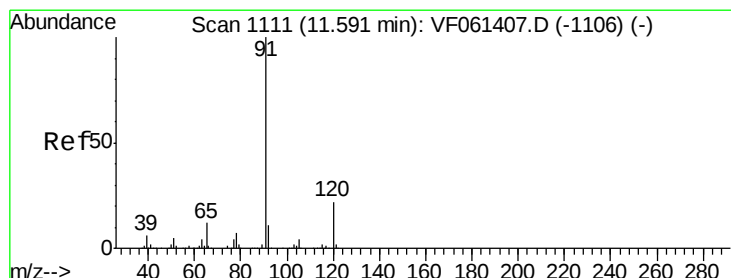
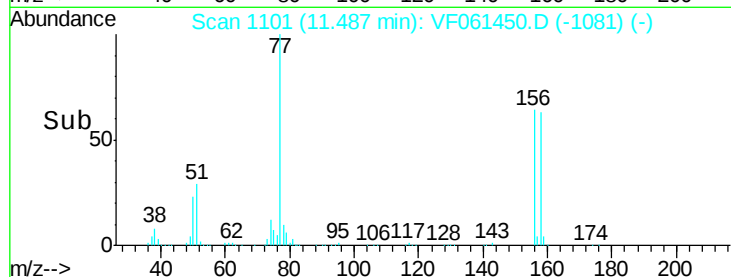
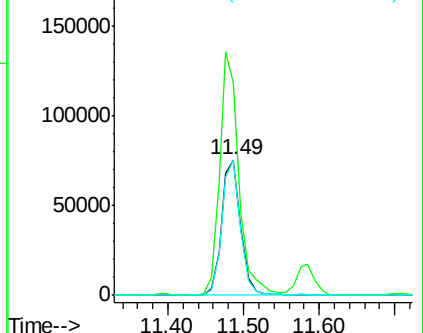
158 99.3 48.9 146.7



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: 50.137 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061450.D

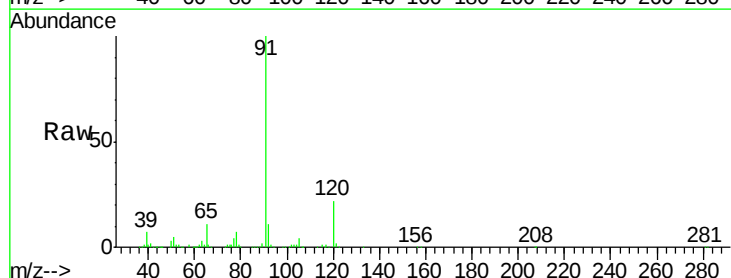
Acq: 17 Jan 2019 17:50

Tgt Ion: 91 Resp: 702170

Ion Ratio Lower Upper

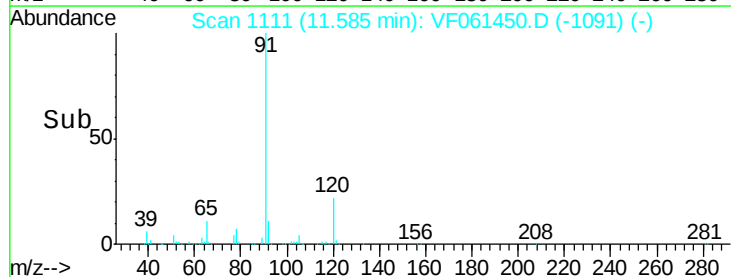
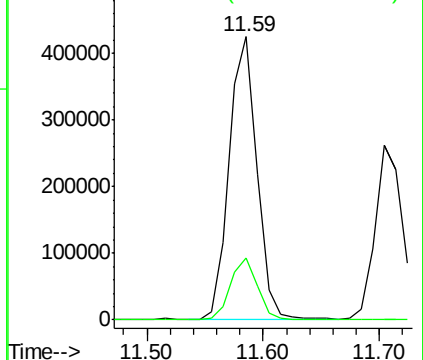
91 100

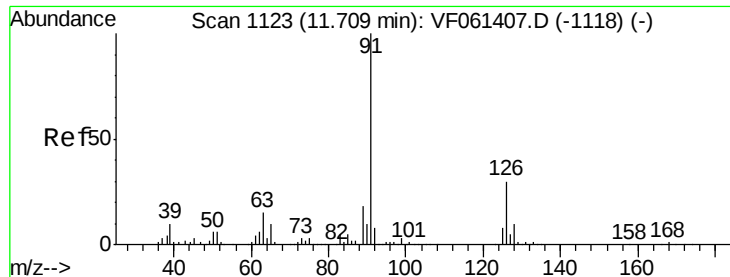
120 21.7 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.460 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

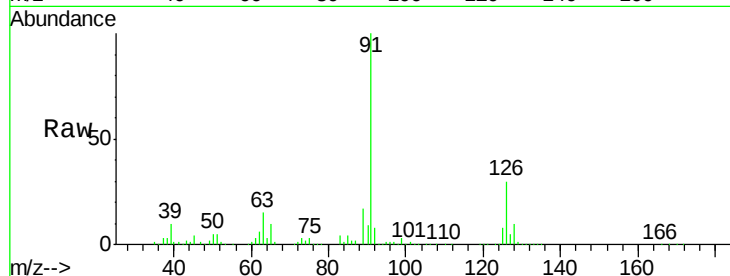
VSTDCCC050EC

Tot Ion: 91 Resp: 418691

Ion Ratio Lower Upper

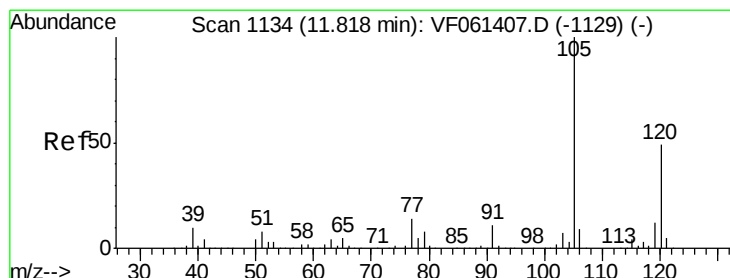
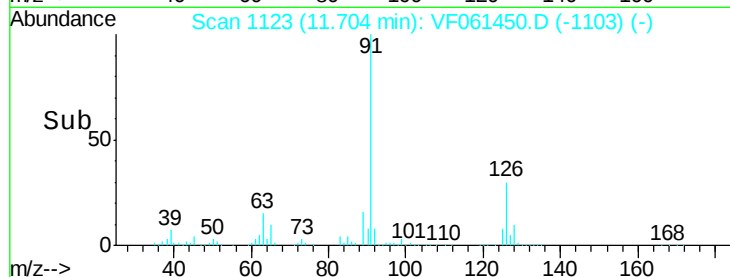
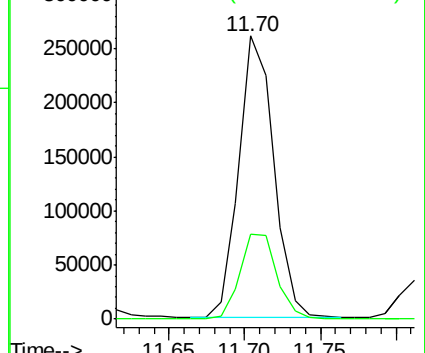
91 100

126 30.2 15.0 45.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 53.076 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061450.D

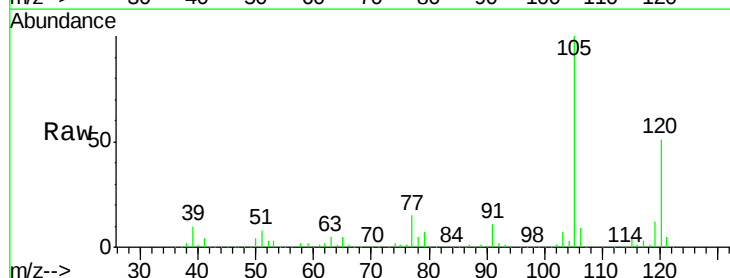
Acq: 17 Jan 2019 17:50

Tgt Ion: 105 Resp: 492702

Ion Ratio Lower Upper

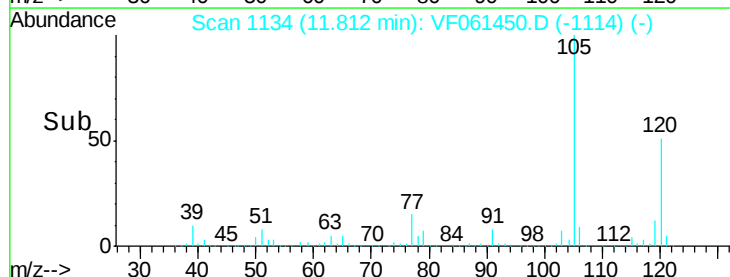
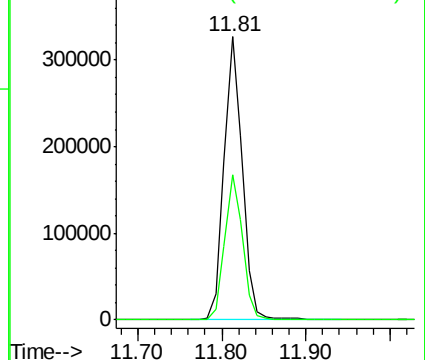
105 100

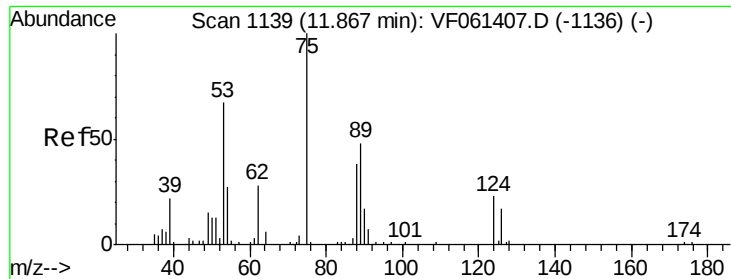
120 51.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 71.404 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

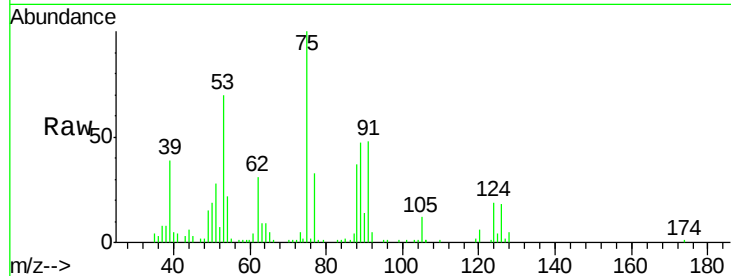
MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 45705

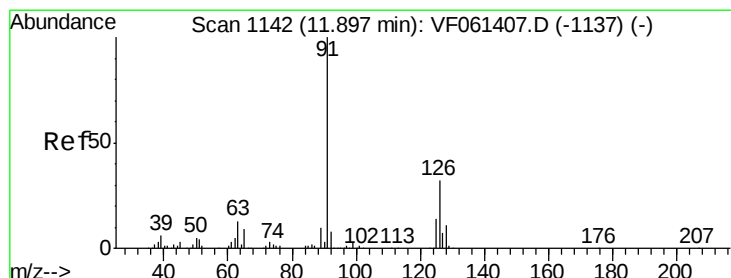
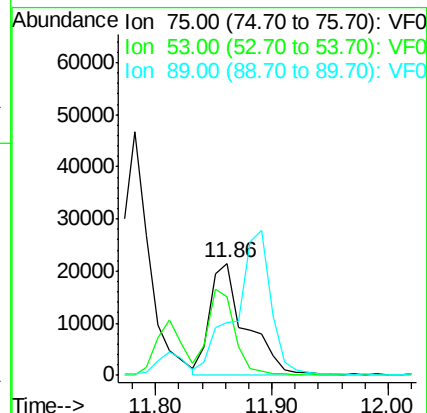
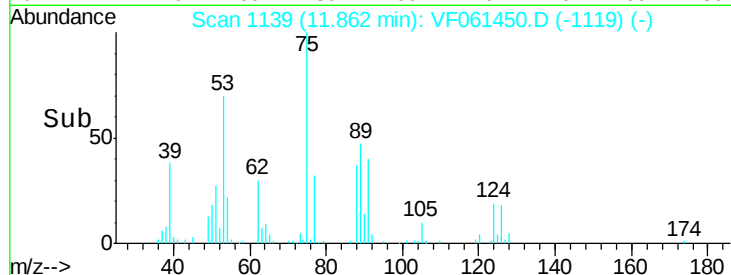
Ion	Ratio	Lower	Upper
75	100		
53	69.7	57.8	86.6
89	47.3	40.7	61.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 51.569 ug/l

RT: 11.89 min Scan# 1142

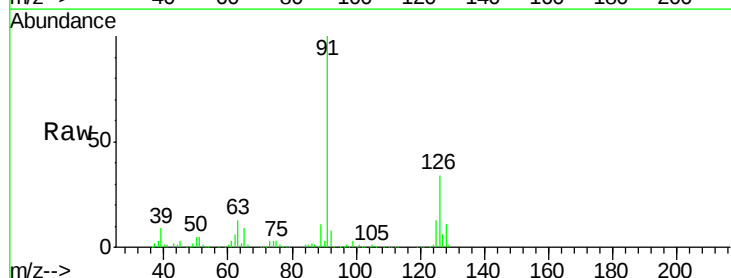
Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

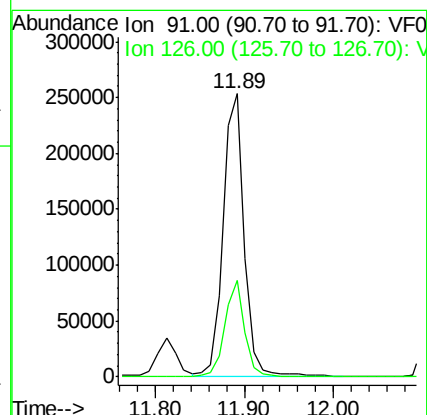
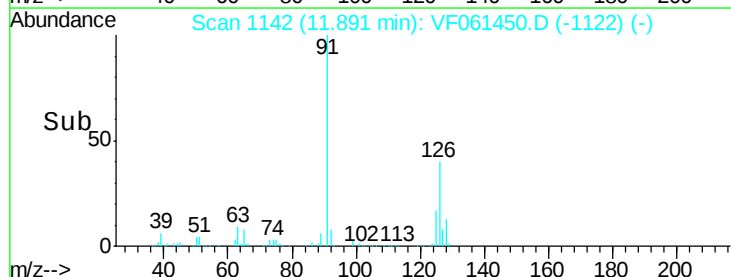
Tgt Ion: 91 Resp: 415326

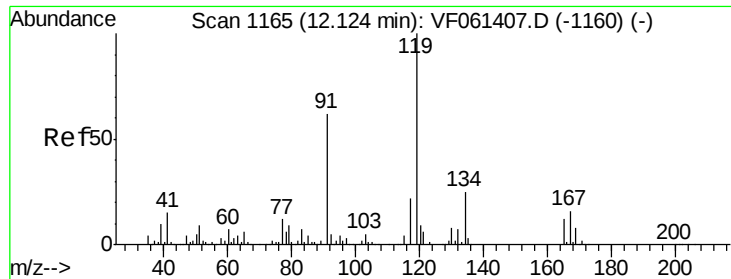
Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.0	47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

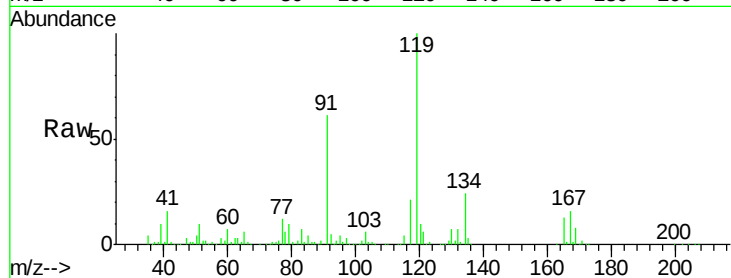




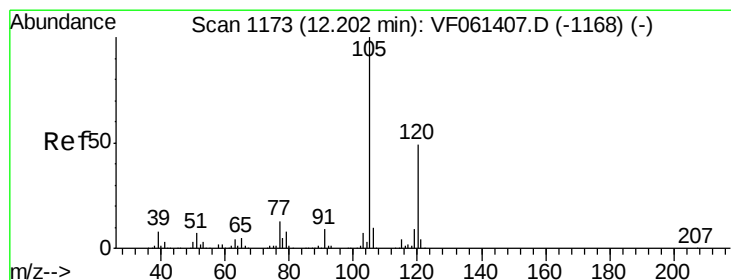
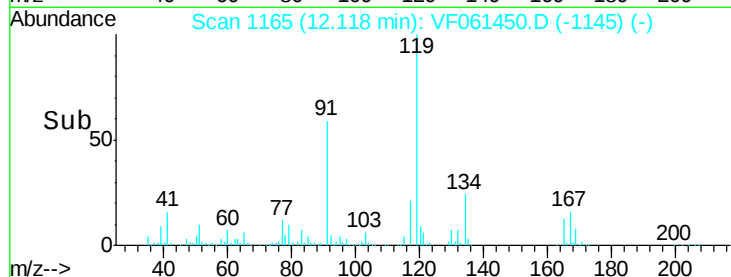
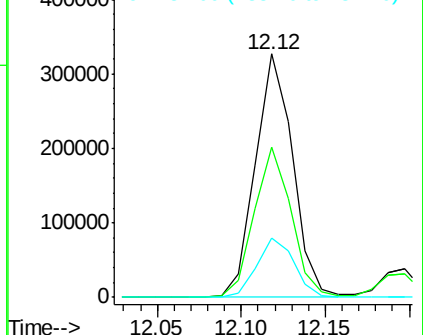
#83
tert-Butylbenzene
Concen: 52.404 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 503504
Ion Ratio Lower Upper
119 100
91 61.5 31.3 93.8
134 24.4 12.4 37.0

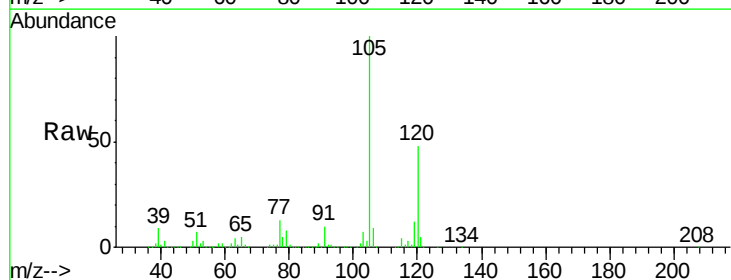


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

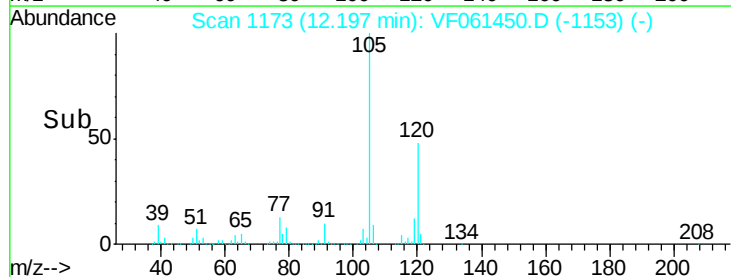
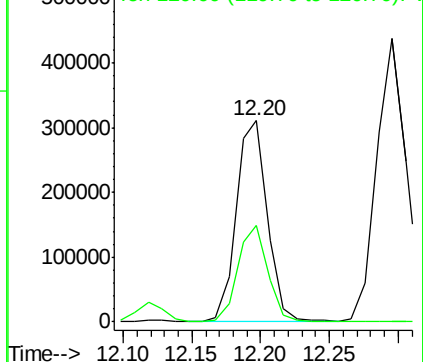


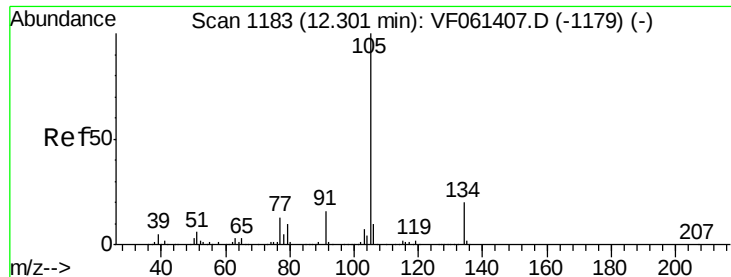
#84
1,2,4-Trimethylbenzene
Concen: 51.118 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion:105 Resp: 488792
Ion Ratio Lower Upper
105 100
120 48.2 24.9 74.6



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





#85

sec-Butylbenzene

Concen: 50.337 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

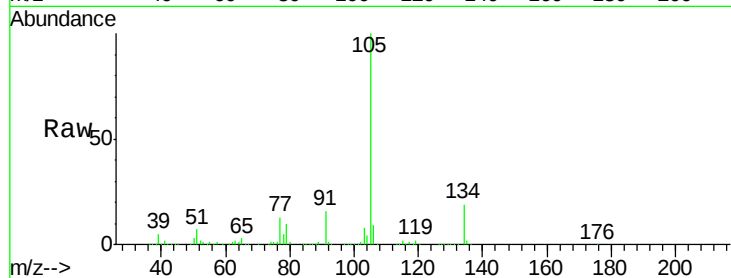
VSTDCCC050EC

Tot Ion:105 Resp: 656797

Ion Ratio Lower Upper

105 100

134 19.2 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.30

400000

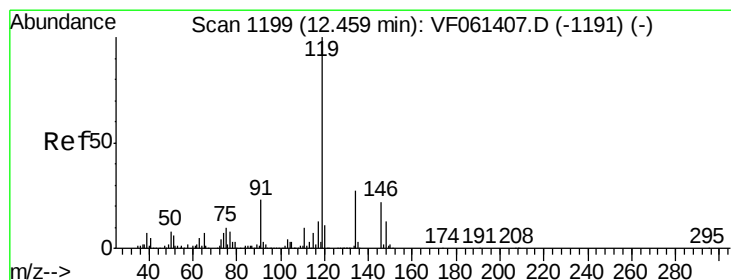
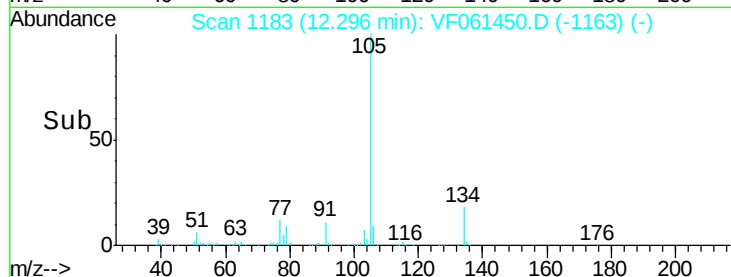
300000

200000

100000

0

Time--> 12.20 12.30 12.40



#86

p-Isopropyltoluene

Concen: 52.554 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

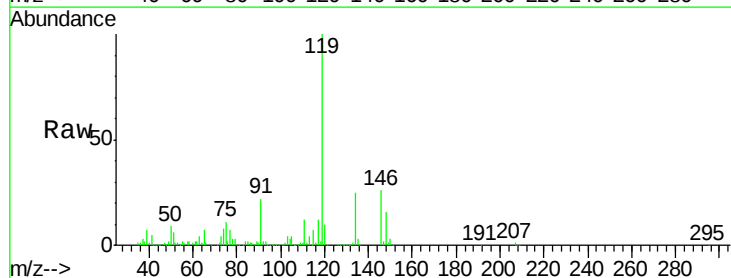
Tgt Ion:119 Resp: 562911

Ion Ratio Lower Upper

119 100

134 25.0 13.4 40.2

91 21.7 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

12.45

400000

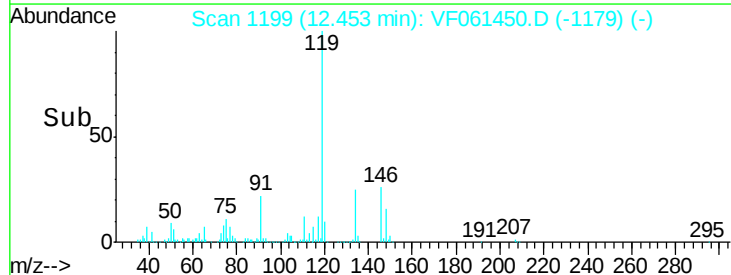
300000

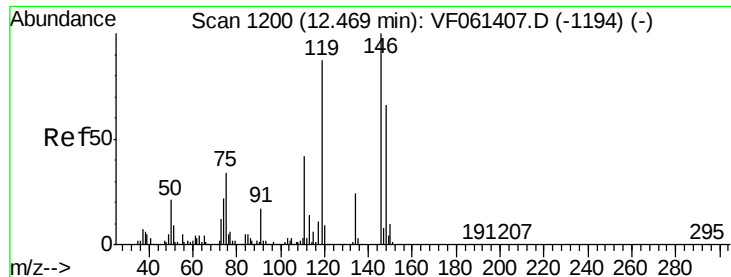
200000

100000

0

Time--> 12.40 12.50





#87

1,3-Dichlorobenzene

Concen: 49.773 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

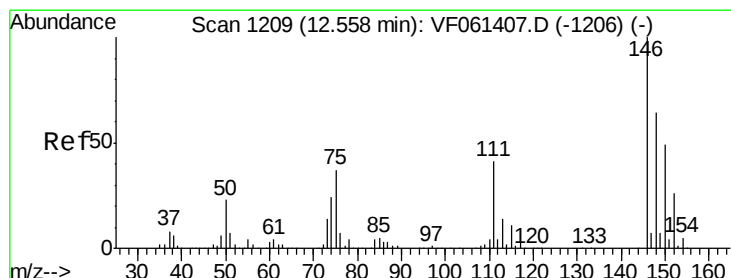
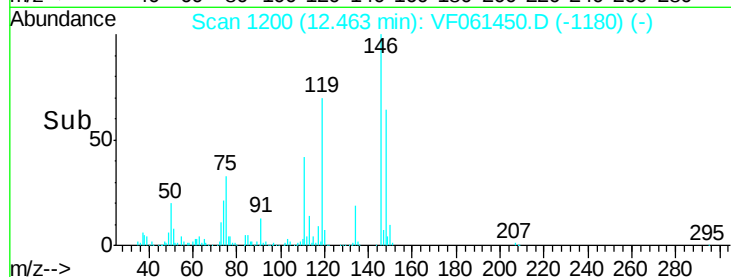
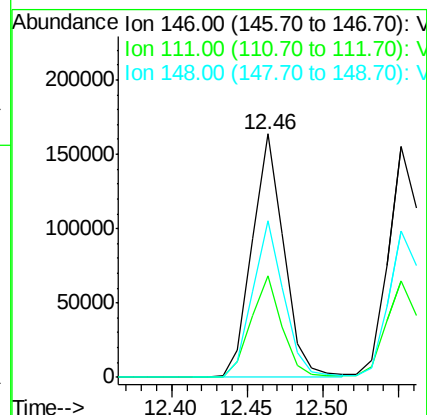
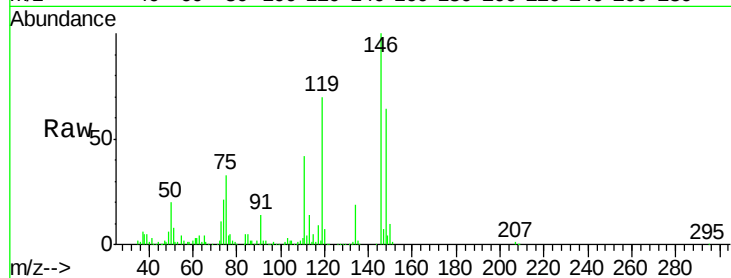
Tot Ion:146 Resp: 240490

Ion Ratio Lower Upper

146 100

111 41.6 21.1 63.4

148 64.1 32.9 98.6



#88

1,4-Dichlorobenzene

Concen: 51.896 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

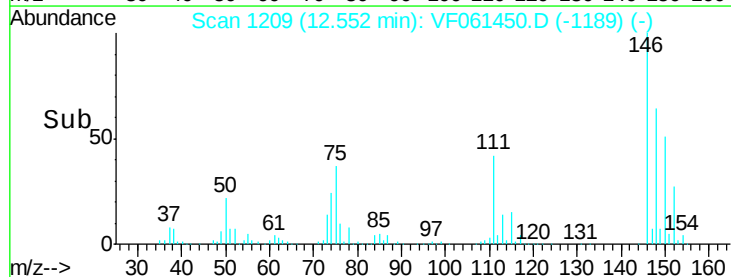
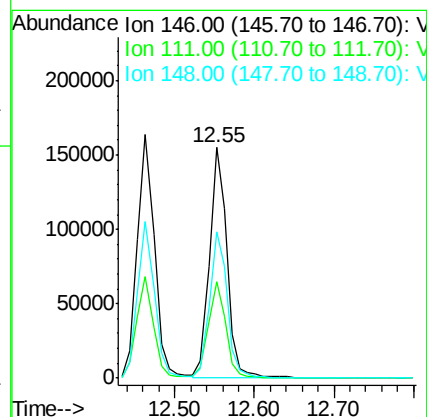
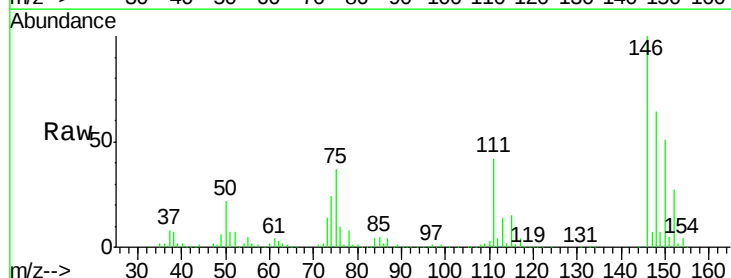
Tgt Ion:146 Resp: 238234

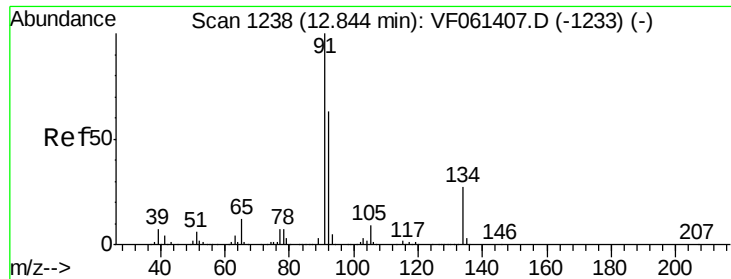
Ion Ratio Lower Upper

146 100

111 41.8 20.8 62.2

148 63.8 32.1 96.5





#89

n-Butylbenzene

Concen: 51.892 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VF061450.D

Acq: 17 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

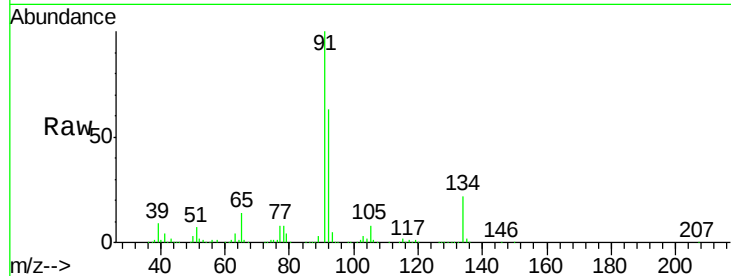
Tot Ion: 91 Resp: 573216

Ion Ratio Lower Upper

91 100

92 63.2 31.6 94.7

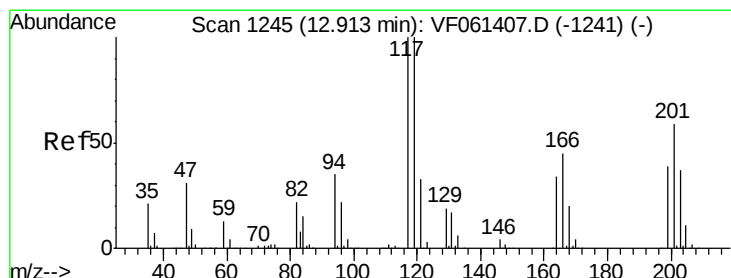
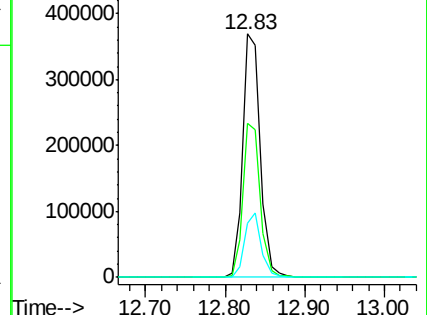
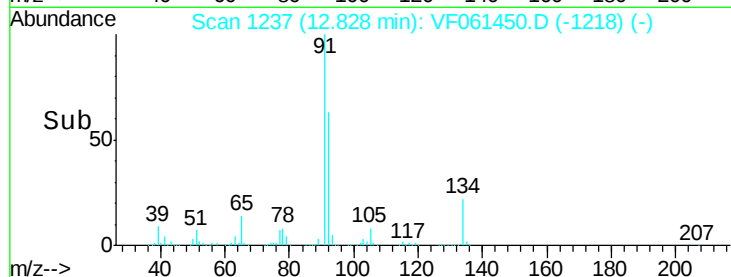
134 22.1 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 54.782 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF061450.D

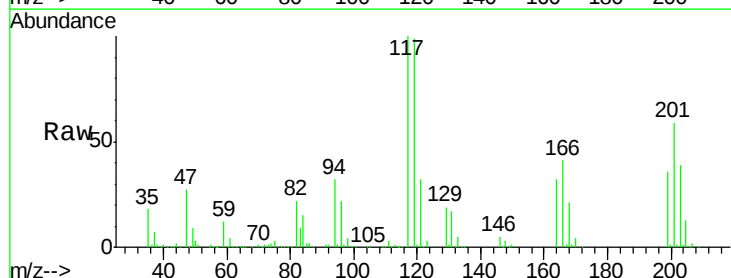
Acq: 17 Jan 2019 17:50

Tgt Ion: 117 Resp: 138316

Ion Ratio Lower Upper

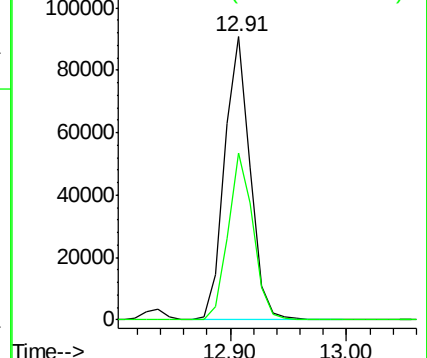
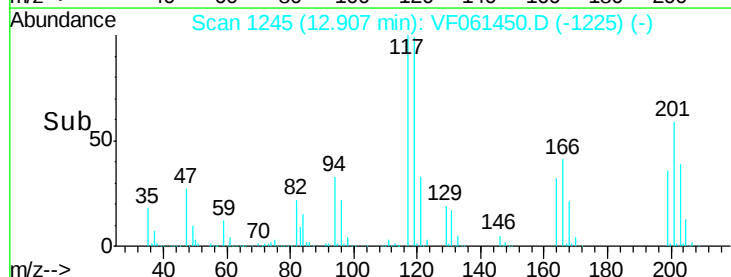
117 100

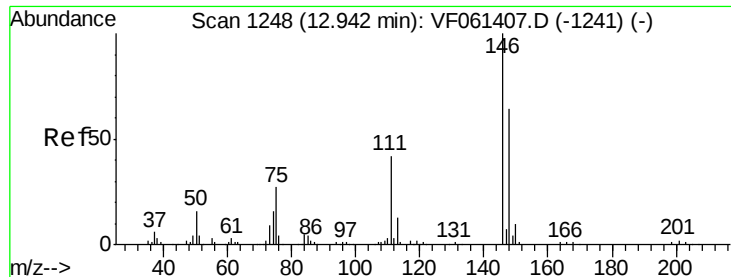
201 59.1 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

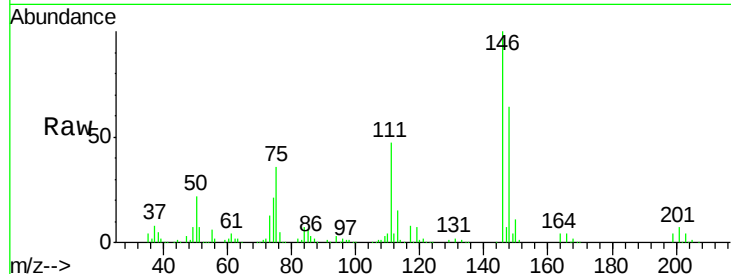




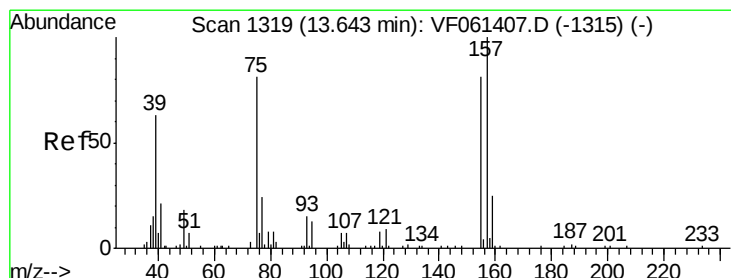
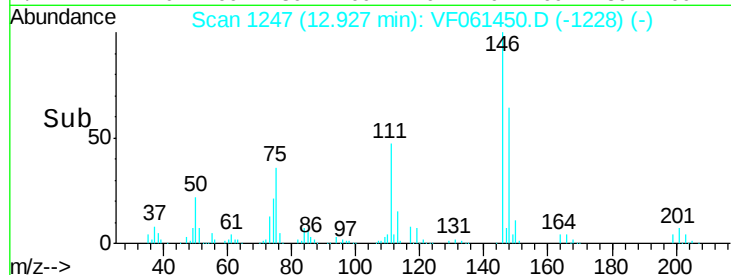
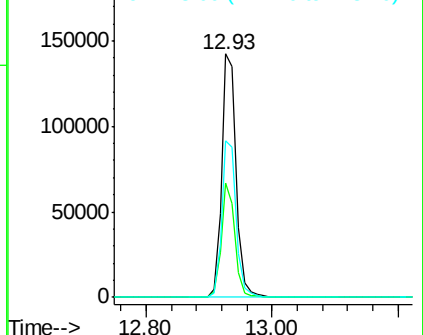
#91
 1,2-Dichlorobenzene
 Concen: 50.425 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 229154
 Ion Ratio Lower Upper
 146 100
 111 46.9 21.1 63.3
 148 64.1 31.9 95.7

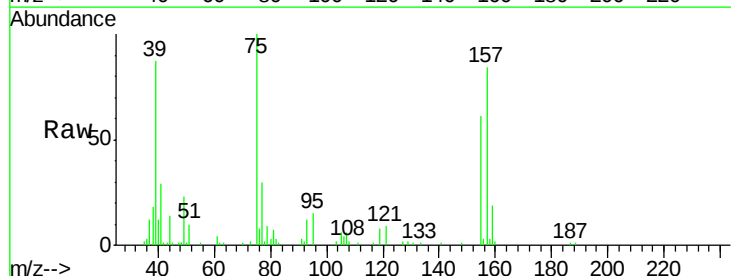


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

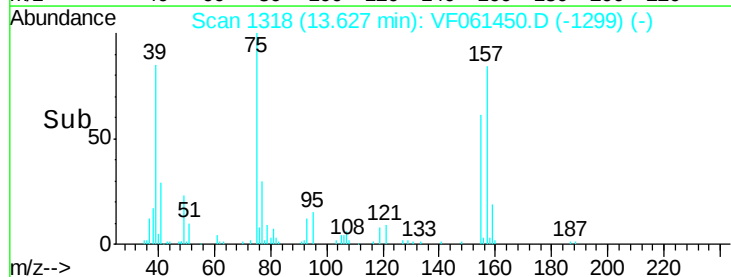
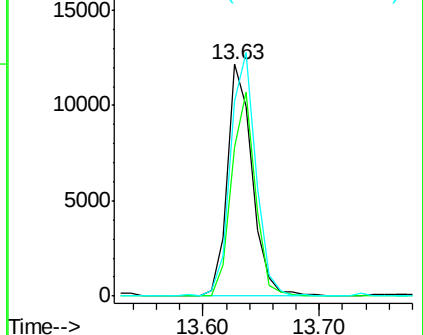


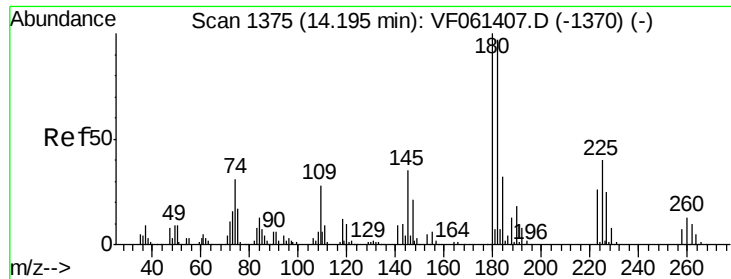
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.667 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Tgt Ion: 75 Resp: 18052
 Ion Ratio Lower Upper
 75 100
 155 64.2 49.7 149.1
 157 84.4 61.4 184.1



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

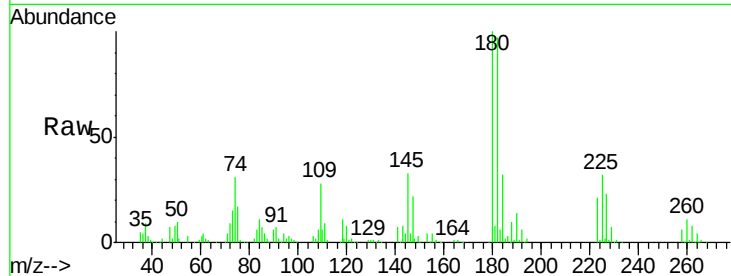




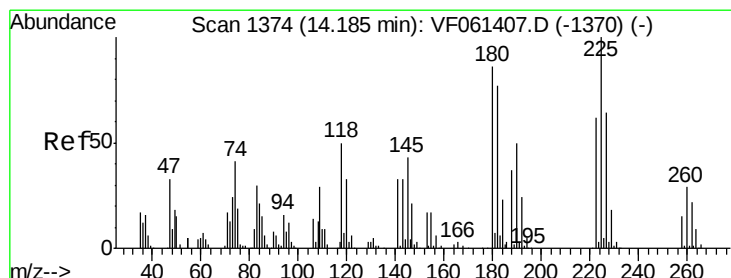
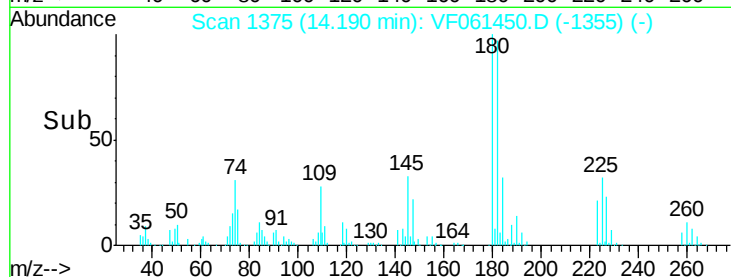
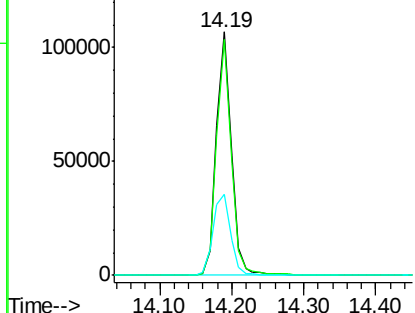
#93
 1,2,4-Trichlorobenzene
 Concen: 48.213 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 153487
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.5 145.6
 145 33.4 17.5 52.6

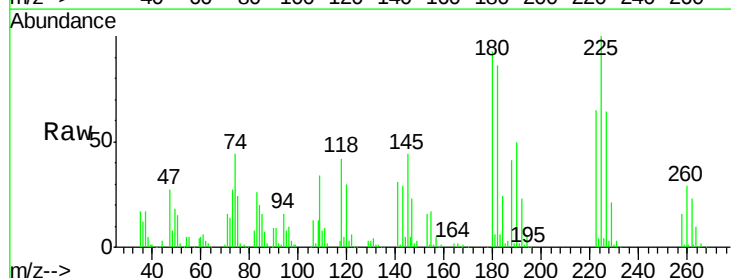


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

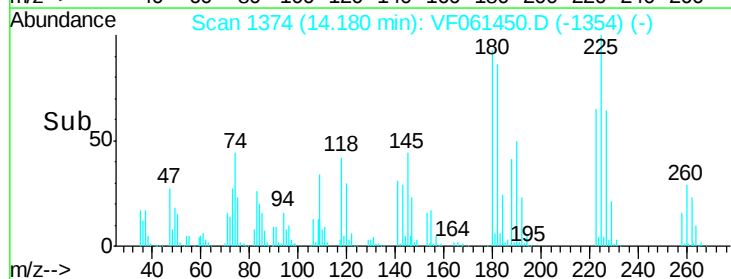
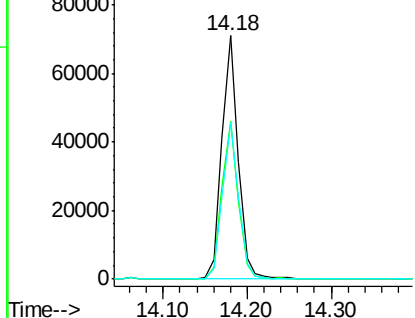


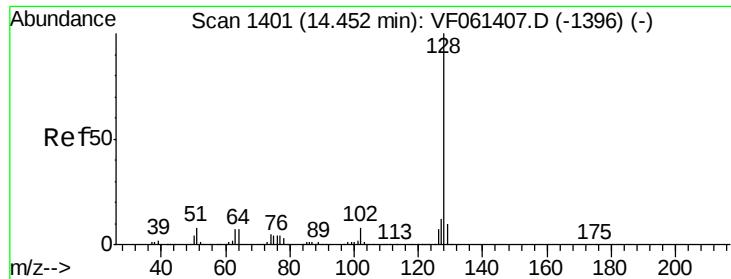
#94
 Hexachlorobutadiene
 Concen: 48.657 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061450.D
 Acq: 17 Jan 2019 17:50

Tgt Ion:225 Resp: 96119
 Ion Ratio Lower Upper
 225 100
 223 65.1 31.1 93.2
 227 64.1 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

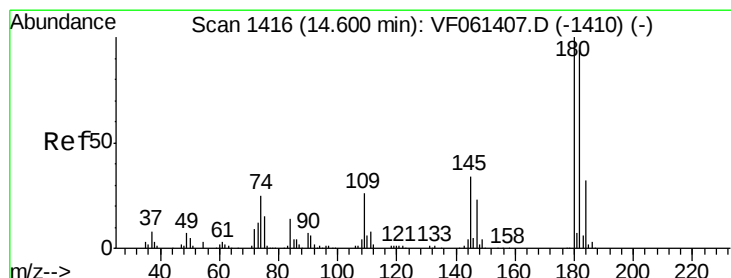
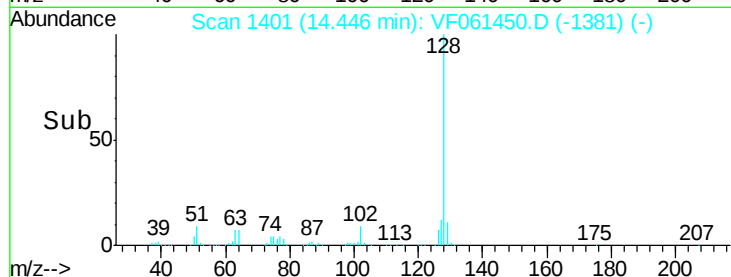
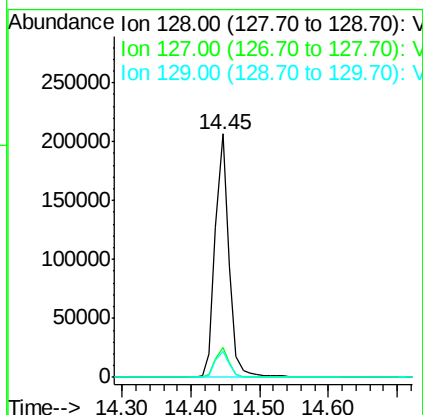
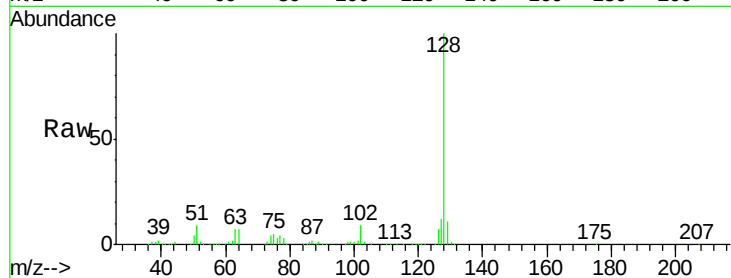




#95
Naphthalene
Concen: 47.624 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 288048
Ion Ratio Lower Upper
128 100
127 12.2 9.5 14.3
129 10.7 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 49.435 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF061450.D
Acq: 17 Jan 2019 17:50

Tgt Ion:180 Resp: 145682
Ion Ratio Lower Upper
180 100
182 93.2 47.0 141.2
145 33.6 17.1 51.2

