

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF011519\
 Data File : VF061411.D
 Acq On : 15 Jan 2019 17:50
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV011519

Quant Time: Jan 16 05:50:11 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	191813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	336582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	311185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	147293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	111127	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	4.10	113	127719	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
50) Toluene-d8	7.55	98	384908	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
62) 4-Bromofluorobenzene	11.41	95	158252	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	179728	47.688	ug/l	90
3) Chloromethane	1.09	50	132531	47.958	ug/l	97
4) Vinyl Chloride	1.13	62	116191	47.266	ug/l	97
5) Bromomethane	1.33	94	80943	50.495	ug/l	94
6) Chloroethane	1.38	64	56689	52.044	ug/l	94
7) Trichlorofluoromethane	1.48	101	223940	46.860	ug/l	93
8) Diethyl Ether	1.62	74	28580	46.673	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.82	101	109664	47.758	ug/l	99
10) Methyl Iodide	1.90	142	135327	38.015	ug/l	99
11) Tert butyl alcohol	2.56	59	25267	252.064	ug/l	97
12) 1,1-Dichloroethene	1.78	96	91643	53.719	ug/l	93
13) Acrolein	1.99	56	23498	271.236	ug/l	93
14) Allyl chloride	2.09	41	150057	75.989	ug/l	92
15) Acrylonitrile	2.94	53	63562	247.548	ug/l	99
16) Acetone	2.23	43	103172	217.166	ug/l	97
17) Carbon Disulfide	1.81	76	280856	52.799	ug/l	99
18) Methyl Acetate	2.33	43	46472	49.325	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	183596	48.007	ug/l	95
20) Methylene Chloride	2.17	84	34816	20.554	ug/l	91
21) trans-1,2-Dichloroethene	2.30	96	94337	50.260	ug/l	97
22) Diisopropyl ether	2.79	45	311956	51.385	ug/l	99
23) Vinyl Acetate	3.18	43	766261	286.482	ug/l	100
24) 1,1-Dichloroethane	2.86	63	190880	50.096	ug/l	96
25) 2-Butanone	4.33	43	192046	243.082	ug/l	98
26) 2,2-Dichloropropane	3.59	77	103846	44.359	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	138689	50.055	ug/l	96
28) Bromochloromethane	3.71	49	88038	51.401	ug/l #	94
29) Tetrahydrofuran	4.06	42	80964	237.998	ug/l	96
30) Chloroform	3.85	83	248409	48.307	ug/l	95
31) Cyclohexane	3.69	56	205027	53.867	ug/l	95
32) 1,1,1-Trichloroethane	4.08	97	184348	48.892	ug/l	96
36) 1,1-Dichloropropene	4.27	75	194387	49.811	ug/l	96
37) Ethyl Acetate	4.11	43	77243	49.516	ug/l #	74
38) Carbon Tetrachloride	3.98	117	151959	44.540	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	223193	52.774	ug/l	97
40) Benzene	4.62	78	426502	49.115	ug/l	99
41) Methacrylonitrile	4.73	41	37268	44.898	ug/l	91
42) 1,2-Dichloroethane	4.94	62	149279	48.242	ug/l	96
43) Isopropyl Acetate	6.95	43	103143	52.682	ug/l	94
44) Trichloroethene	5.50	130	134993	50.676	ug/l	99
45) 1,2-Dichloropropane	6.23	63	114811	50.376	ug/l	95
46) Dibromomethane	6.08	93	74650	49.260	ug/l	98
47) Bromodichloromethane	6.38	83	186226	49.667	ug/l	96
48) Methyl methacrylate	6.71	41	63132	48.020	ug/l	92
49) 1,4-Dioxane	6.70	88	10186	1118.127	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	357362	248.283	ug/l	100
52) Toluene	7.62	92	274975	48.085	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	151257	50.803	ug/l	95
54) cis-1,3-Dichloropropene	7.30	75	200720	53.934	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	84666	52.137	ug/l	94
56) Ethyl methacrylate	8.62	69	93520	49.500	ug/l	99
57) 1,3-Dichloropropane	8.85	76	145724	47.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	54229	271.113	ug/l	96
59) 2-Hexanone	9.49	43	242293	241.406	ug/l	98
60) Dibromochloromethane	8.71	129	117259	49.392	ug/l	95
61) 1,2-Dibromoethane	8.98	107	89422	48.101	ug/l	90
64) Tetrachloroethene	8.14	164	116167	49.641	ug/l	96
65) Chlorobenzene	9.79	112	323727	51.157	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	124558	49.410	ug/l	97
67) Ethyl Benzene	9.90	91	572539	49.520	ug/l	100
68) m/p-Xylenes	10.13	106	394116	94.775	ug/l	99
69) o-Xylene	10.71	106	230970	51.247	ug/l	95
70) Styrene	10.79	104	293340	47.548	ug/l	98
71) Bromoform	10.77	173	55508	49.006	ug/l #	98
73) Isopropylbenzene	11.12	105	634688	52.981	ug/l	97
74) N-amyl acetate	11.37	43	154268	54.459	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	107810	50.517	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	76227	49.709	ug/l	97
77) Bromobenzene	11.49	156	138517	54.750	ug/l	86
78) n-propylbenzene	11.59	91	736692	50.561	ug/l	98
79) 2-Chlorotoluene	11.72	91	428948	51.607	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	499043	51.620	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	45540	68.315	ug/l	94
82) 4-Chlorotoluene	11.89	91	429087	51.158	ug/l	97
83) tert-Butylbenzene	12.13	119	534330	53.399	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	506545	50.867	ug/l	99
85) sec-Butylbenzene	12.31	105	707465	52.062	ug/l	98
86) p-Isopropyltoluene	12.46	119	580382	52.029	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	247908	49.206	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	248080	51.891	ug/l	98
89) n-Butylbenzene	12.84	91	591985	51.458	ug/l	98
90) Hexachloroethane	12.92	117	140686	53.503	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	237503	50.182	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	19625	51.845	ug/l	84

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QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

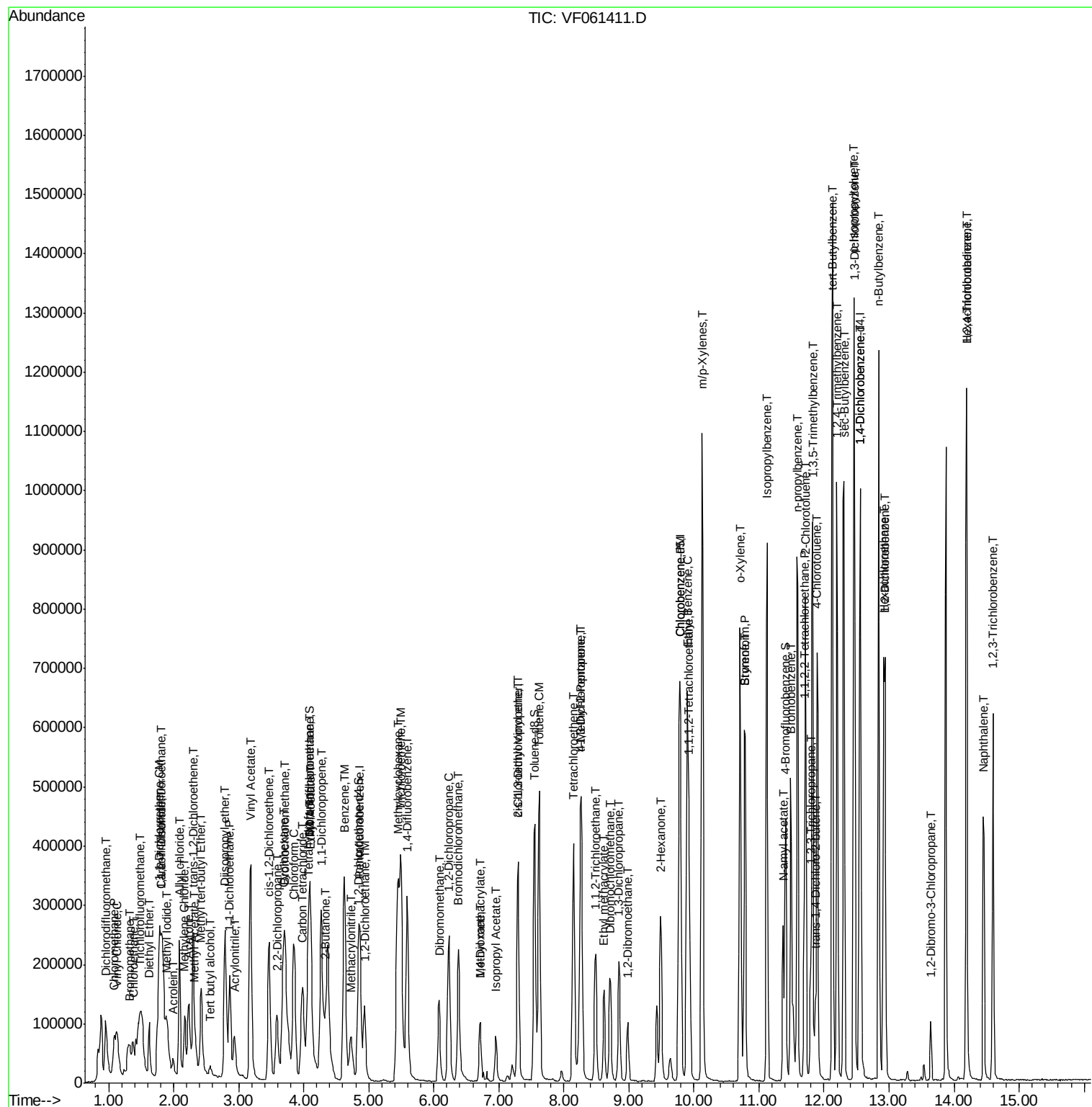
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	169622	51.161	ug/l	95
94) Hexachlorobutadiene	14.19	225	108348	52.665	ug/l	97
95) Naphthalene	14.46	128	336495	53.420	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	165615	53.962	ug/l	99

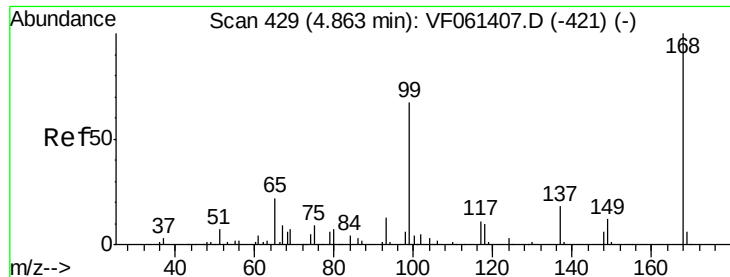
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

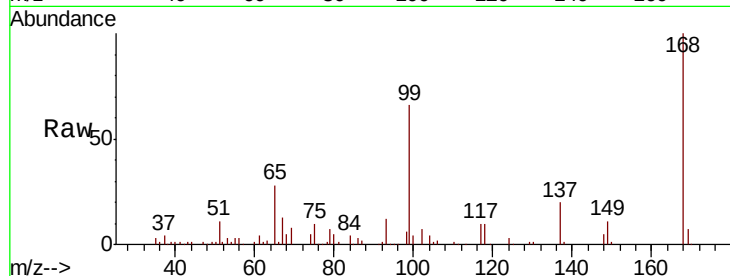
ICVVF011519

Tgt Ion:168 Resp: 191813

Ion Ratio Lower Upper

168 100

99 66.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

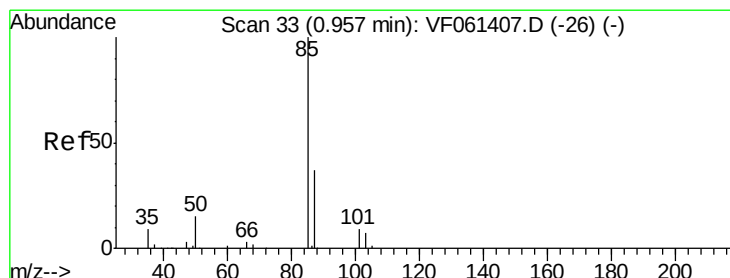
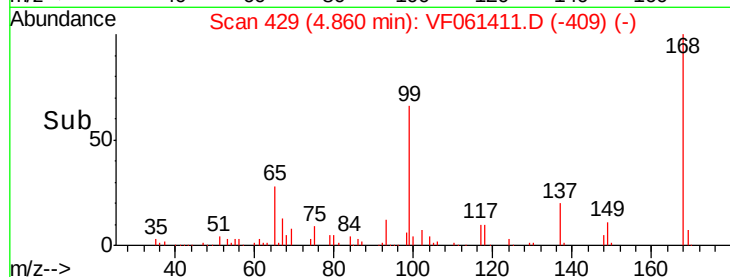
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 47.688 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061411.D

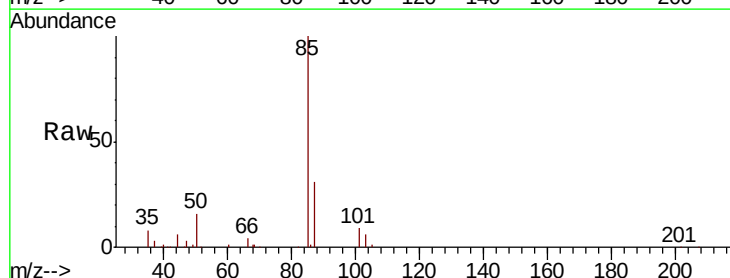
Acq: 15 Jan 2019 17:50

Tgt Ion: 85 Resp: 179728

Ion Ratio Lower Upper

85 100

87 30.7 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

60000

50000

40000

30000

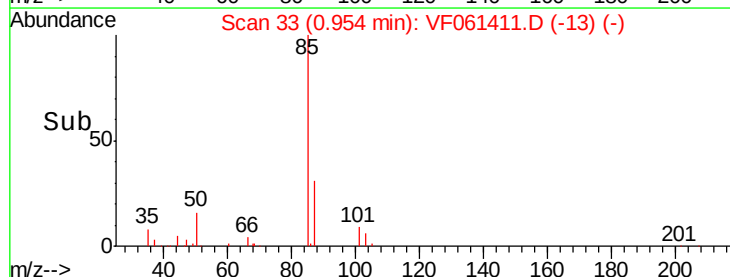
20000

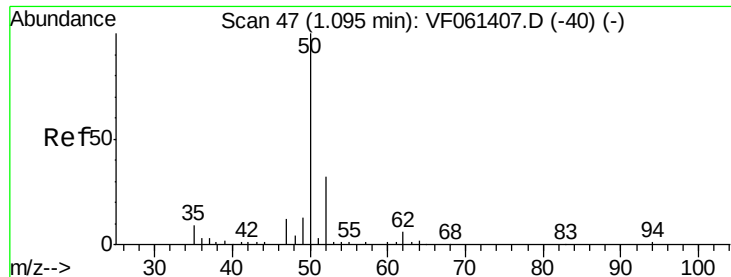
10000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 47.958 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

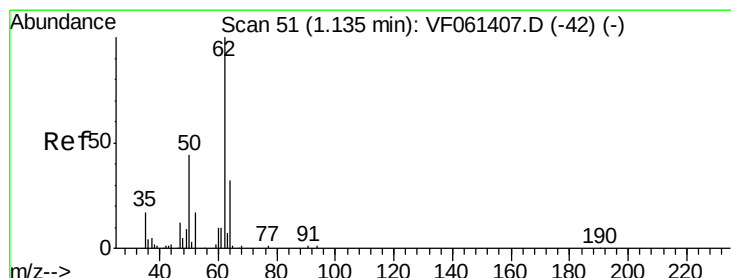
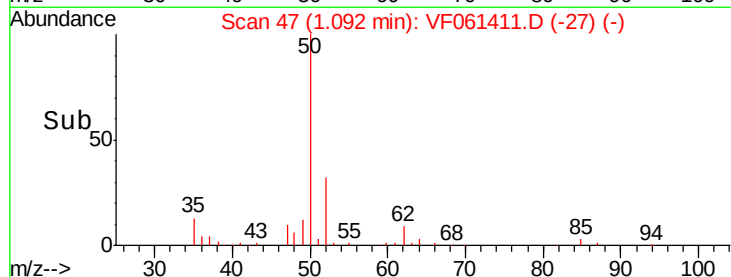
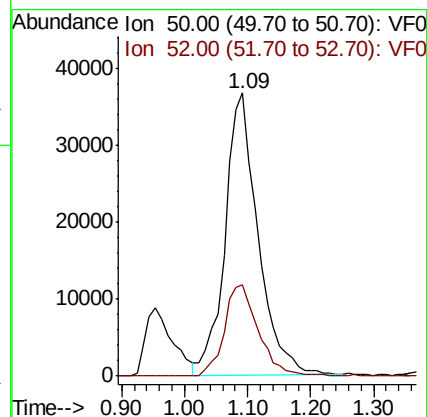
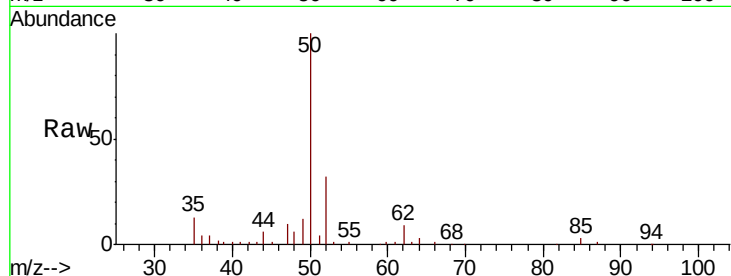
ICVVF011519

Tgt Ion: 50 Resp: 132531

Ion Ratio Lower Upper

50 100

52 32.1 24.6 36.8



#4

Vinyl Chloride

Concen: 47.266 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061411.D

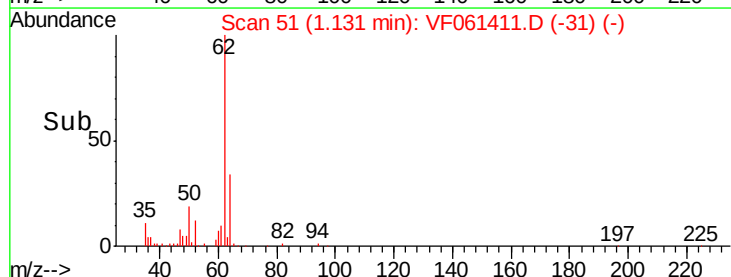
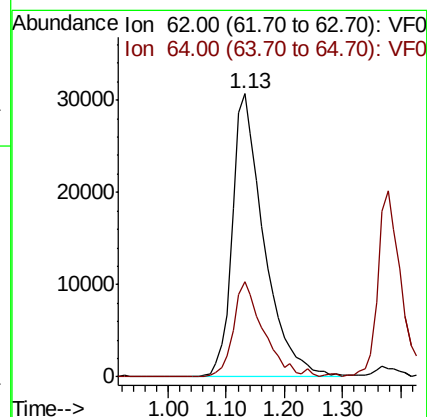
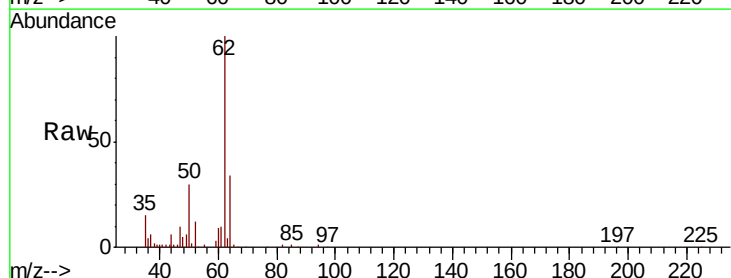
Acq: 15 Jan 2019 17:50

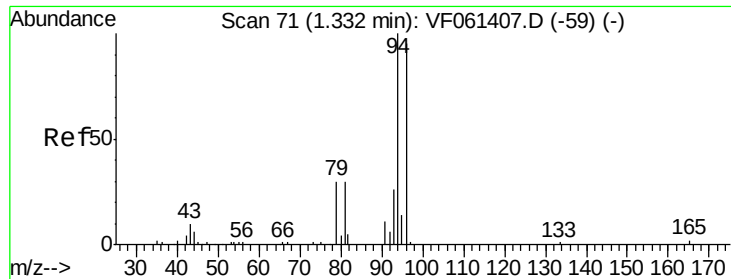
Tgt Ion: 62 Resp: 116191

Ion Ratio Lower Upper

62 100

64 33.8 25.6 38.4





#5

Bromomethane

Concen: 50.495 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

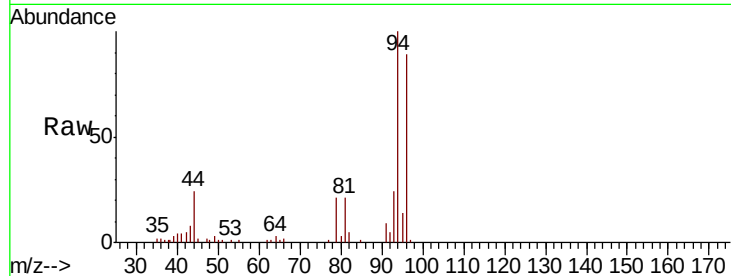
ICVVF011519

Tgt Ion: 94 Resp: 80943

Ion Ratio Lower Upper

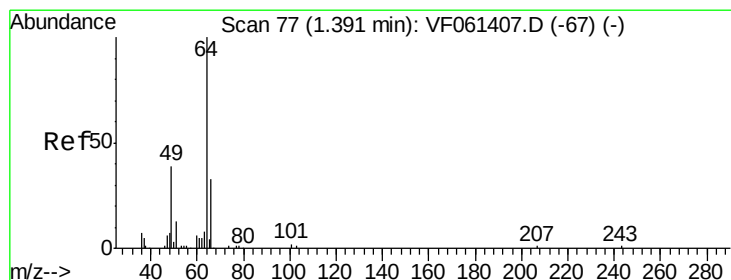
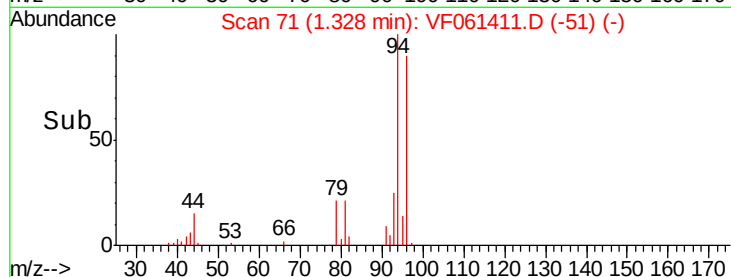
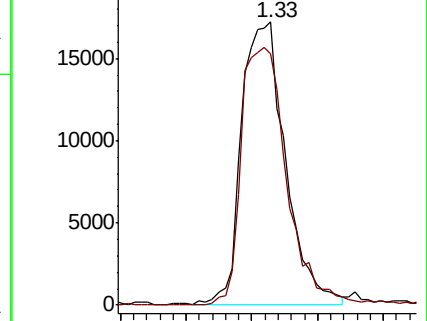
94 100

96 88.7 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: 52.044 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061411.D

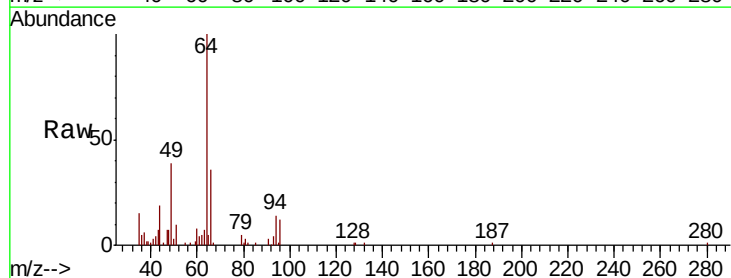
Acq: 15 Jan 2019 17:50

Tgt Ion: 64 Resp: 56689

Ion Ratio Lower Upper

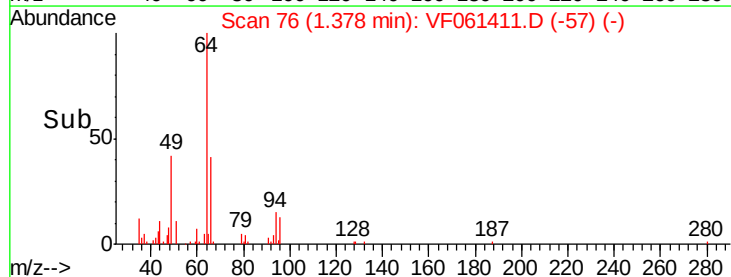
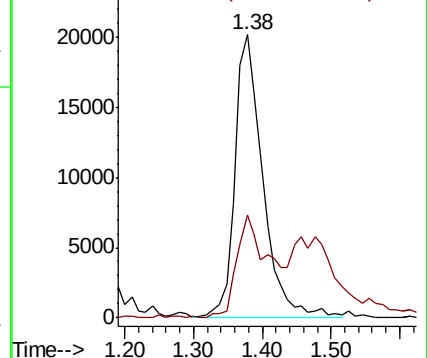
64 100

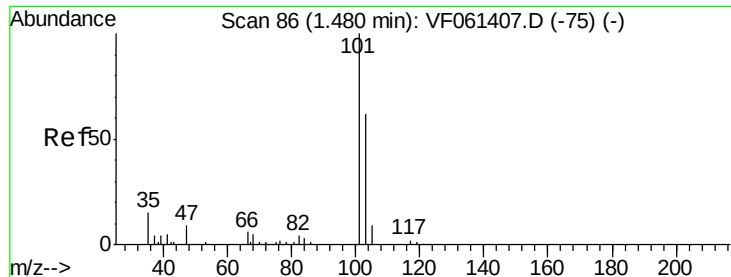
66 36.5 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 46.860 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.00 min

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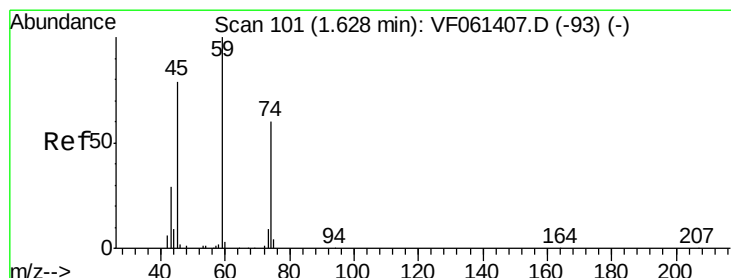
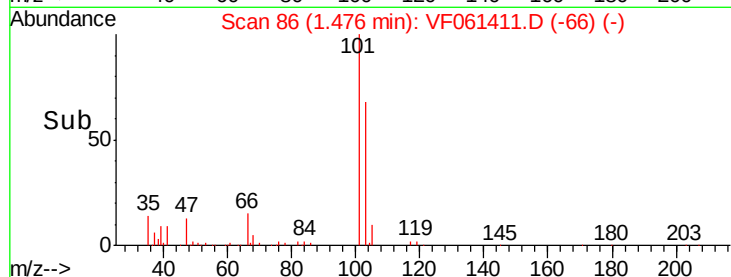
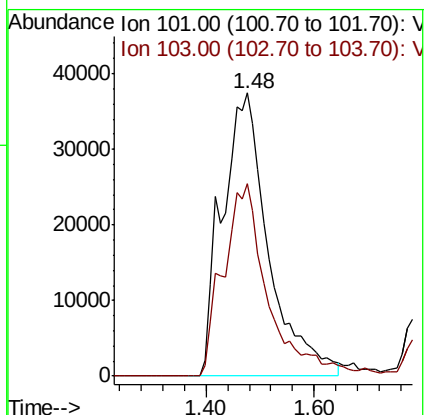
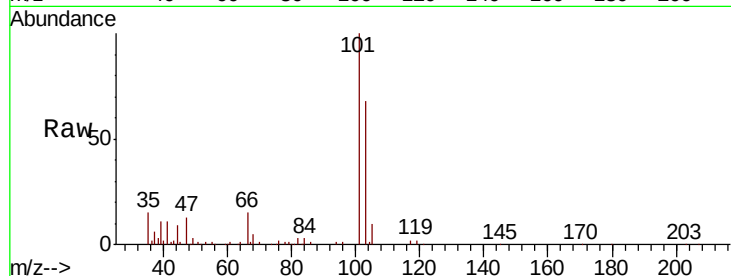
ICVVF011519

Tgt Ion:101 Resp: 223940

Ion Ratio Lower Upper

101 100

103 67.8 49.7 74.5



#8

Diethyl Ether

Concen: 46.673 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061411.D

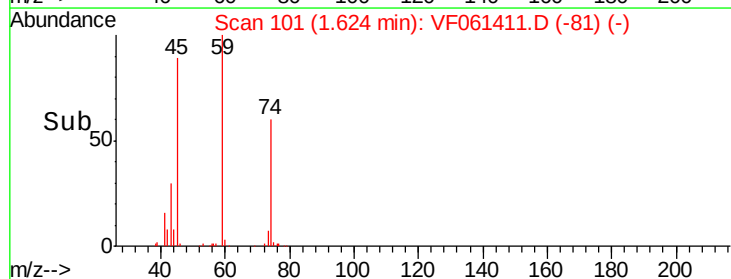
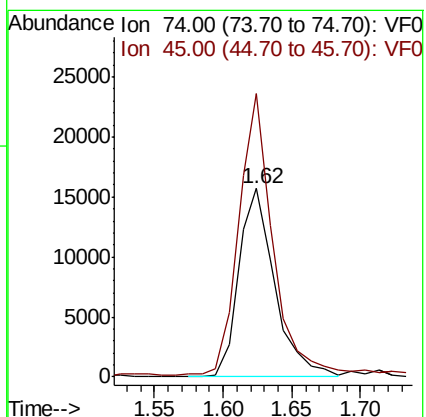
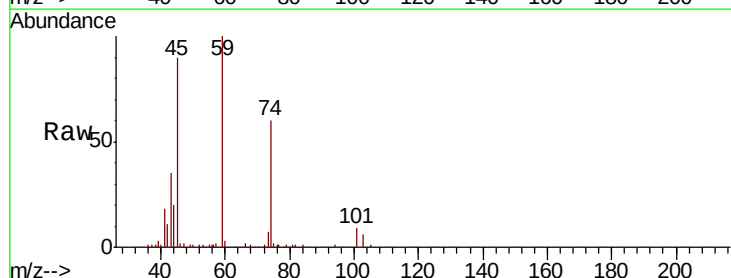
Acq: 15 Jan 2019 17:50

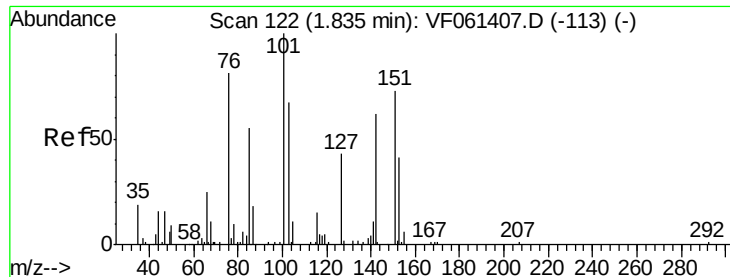
Tgt Ion: 74 Resp: 28580

Ion Ratio Lower Upper

74 100

45 150.4 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.758 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

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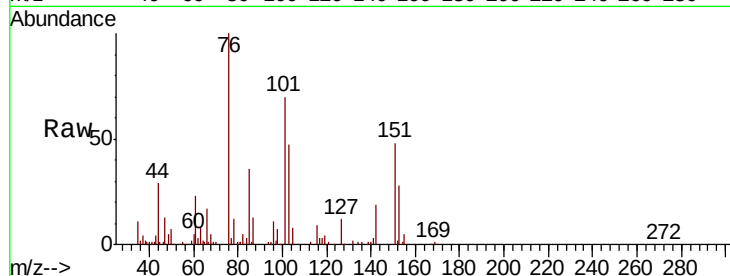
Tgt Ion:101 Resp: 109664

Ion Ratio Lower Upper

101 100

85 51.8 41.9 62.9

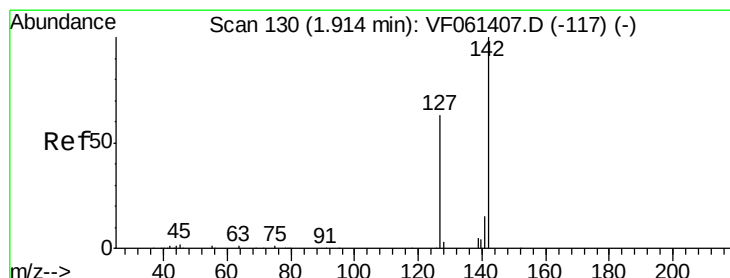
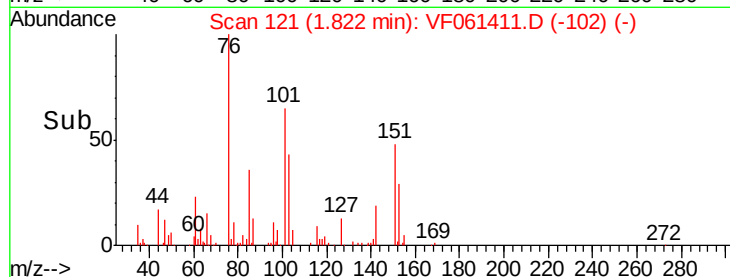
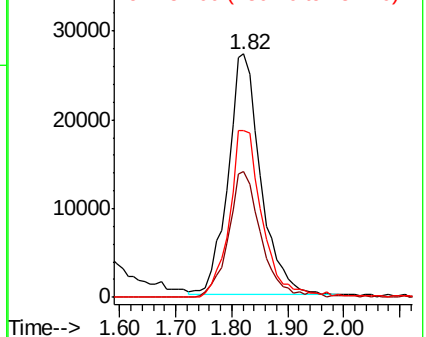
151 68.5 55.1 82.7



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: 38.015 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

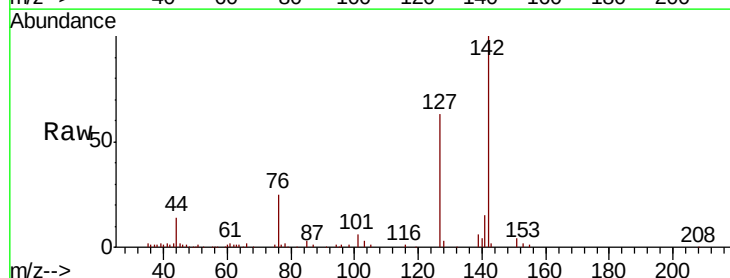
Tgt Ion:142 Resp: 135327

Ion Ratio Lower Upper

142 100

127 62.8 50.7 76.1

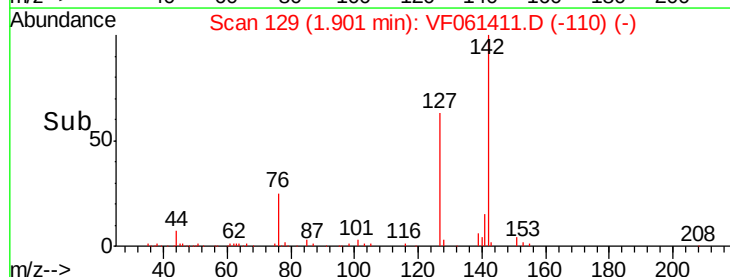
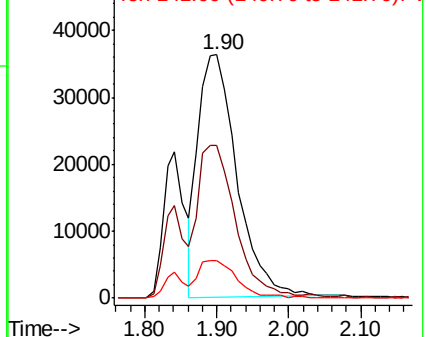
141 15.3 11.8 17.6

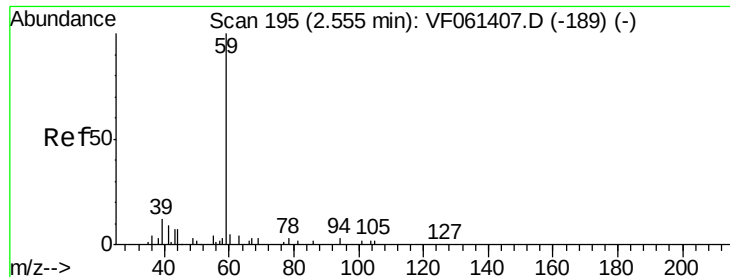


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

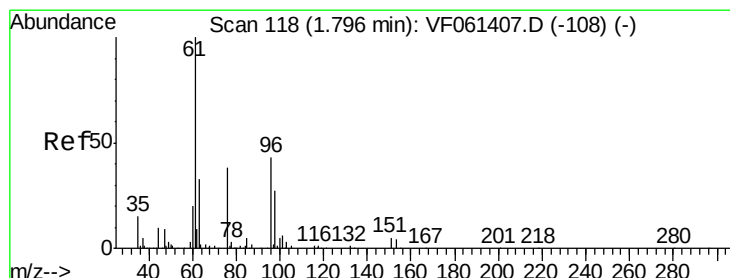
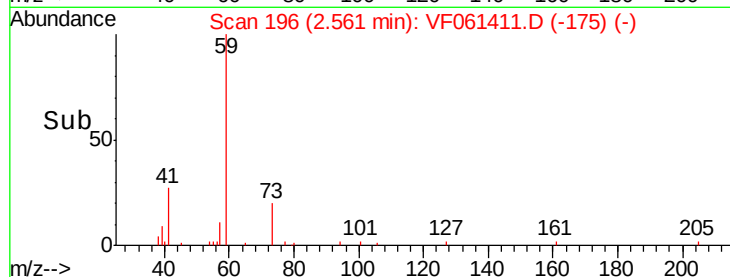
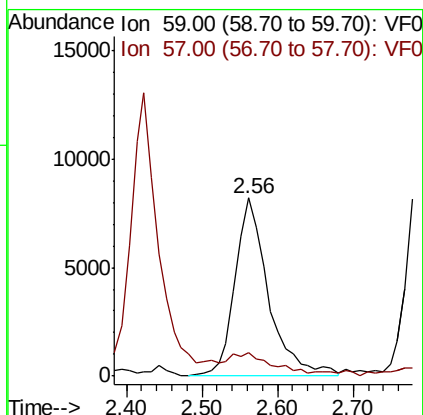
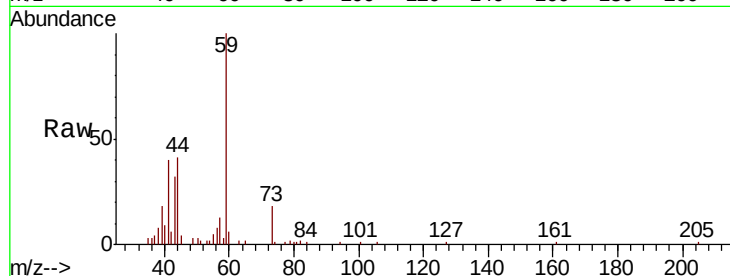




#11
Tert butyl alcohol
Concen: 252.064 ug/l
RT: 2.56 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

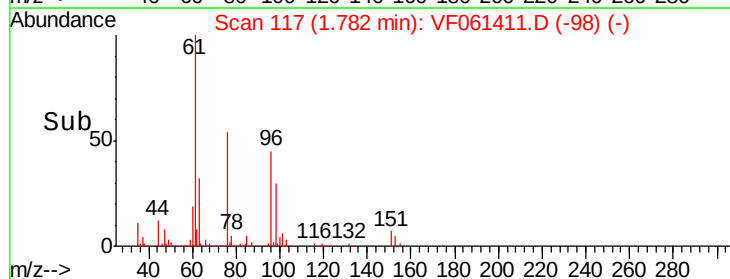
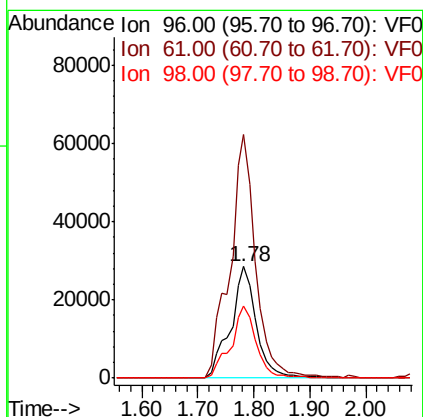
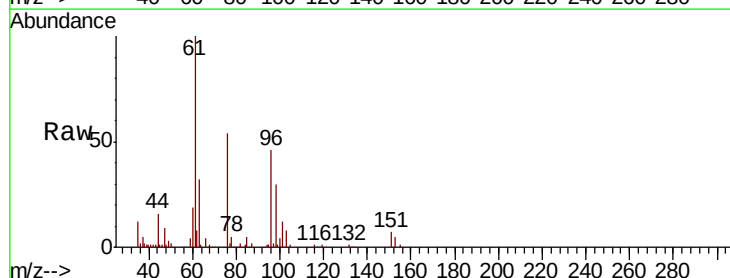
Instrument :
MSVOA_F
ClientSampleId :
ICVVF011519

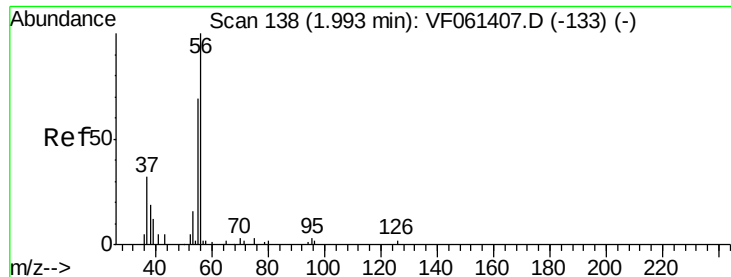
Tgt Ion: 59 Resp: 25267
Ion Ratio Lower Upper
59 100
57 13.5 11.9 17.9



#12
1,1-Dichloroethene
Concen: 53.719 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Tgt Ion: 96 Resp: 91643
Ion Ratio Lower Upper
96 100
61 218.8 186.9 280.3
98 64.9 53.0 79.4





#13

Acrolein

Concen: 271.236 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

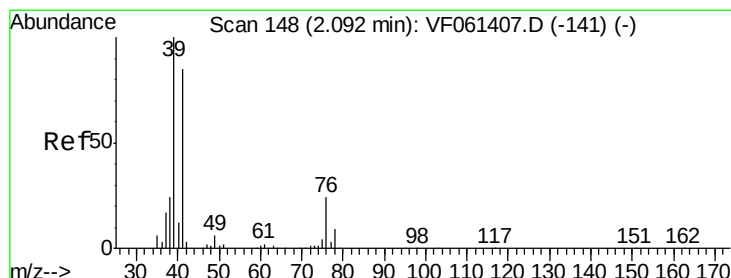
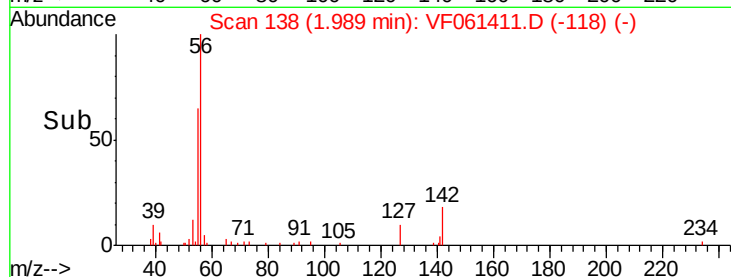
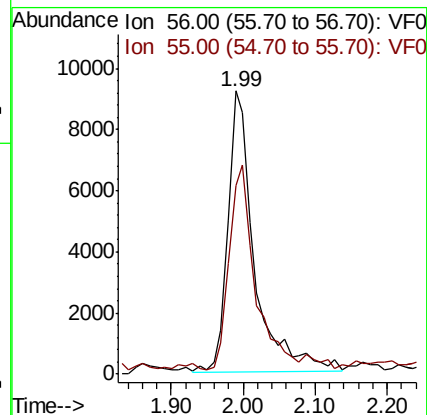
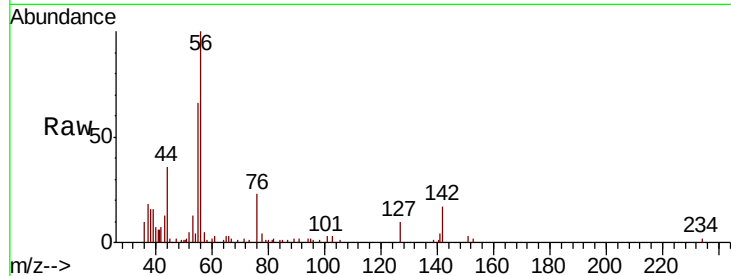
ICVVF011519

Tgt Ion: 56 Resp: 23498

Ion Ratio Lower Upper

56 100

55 66.5 57.5 86.3



#14

Allyl chloride

Concen: 75.989 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

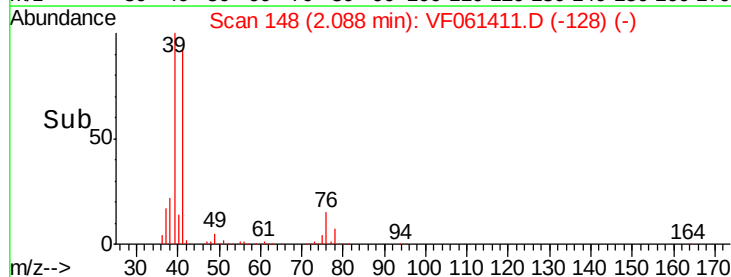
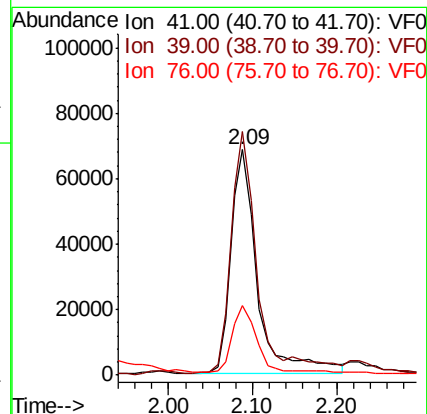
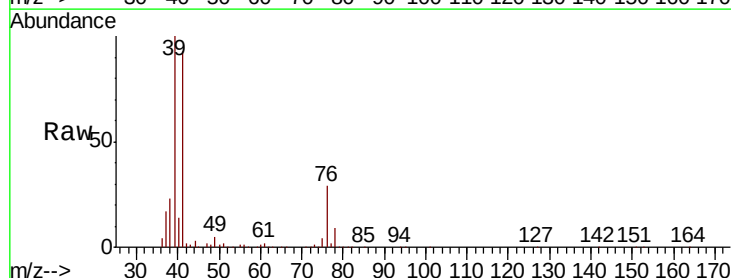
Tgt Ion: 41 Resp: 150057

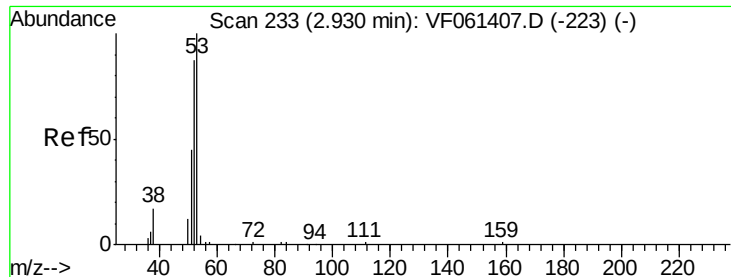
Ion Ratio Lower Upper

41 100

39 108.1 94.6 141.8

76 31.0 25.9 38.9





#15

Acrylonitrile

Concen: 247.548 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

ICVVF011519

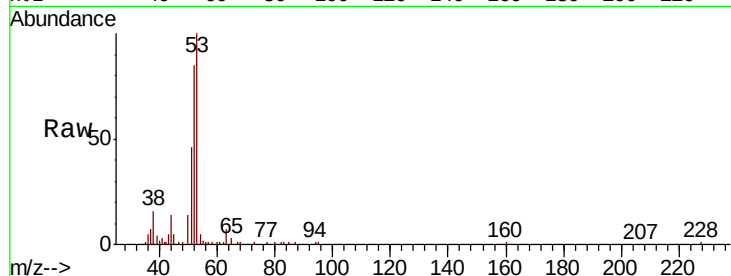
Tgt Ion: 53 Resp: 63562

Ion Ratio Lower Upper

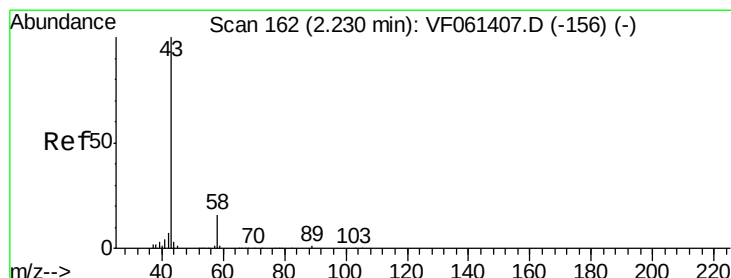
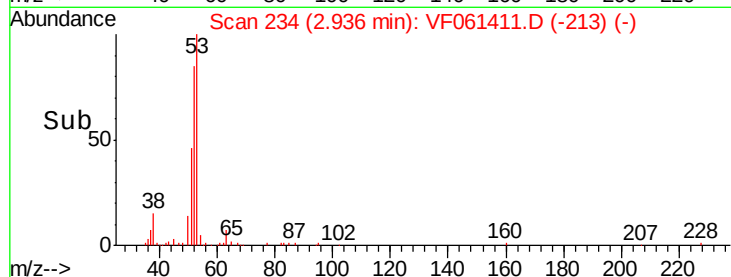
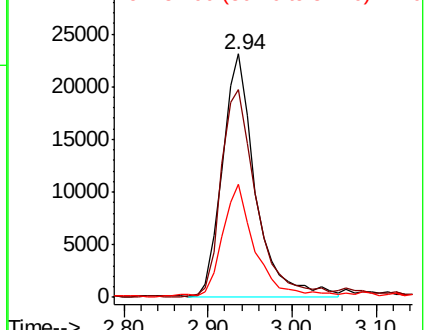
53 100

52 85.1 69.6 104.4

51 46.2 36.8 55.2



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 217.166 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061411.D

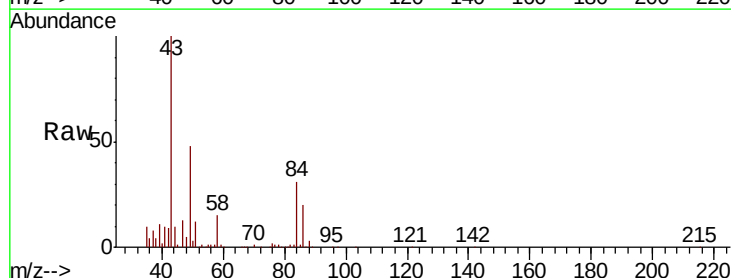
Acq: 15 Jan 2019 17:50

Tgt Ion: 43 Resp: 103172

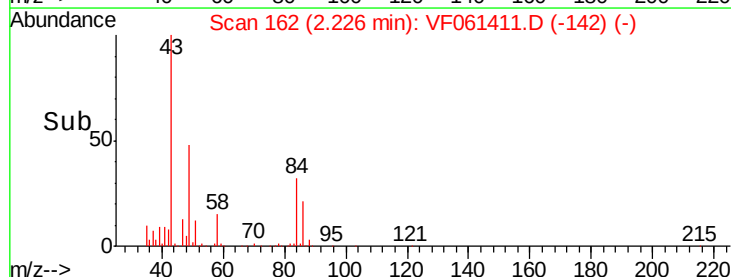
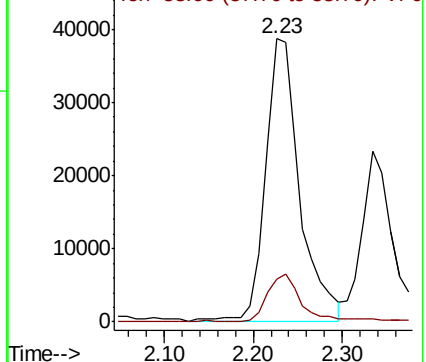
Ion Ratio Lower Upper

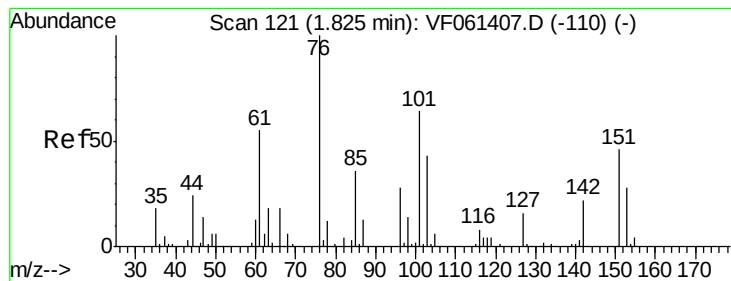
43 100

58 15.2 13.3 19.9



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





#17

Carbon Disulfide

Concen: 52.799 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

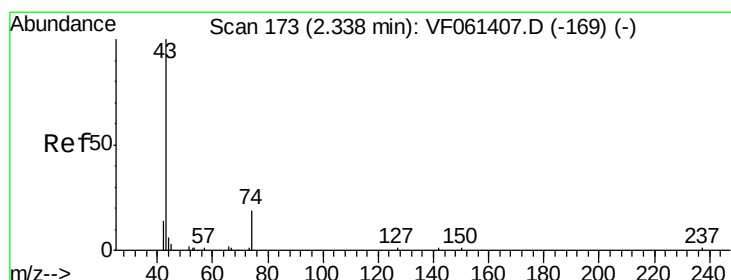
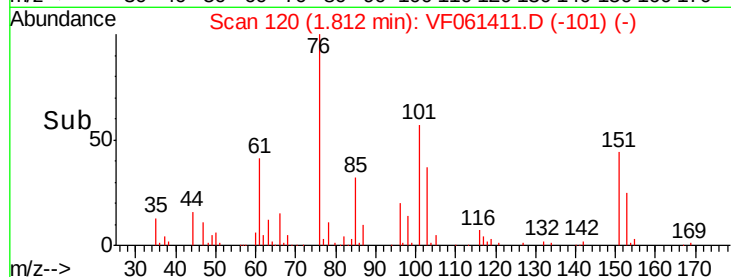
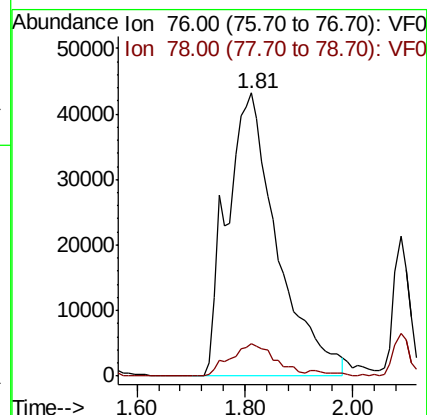
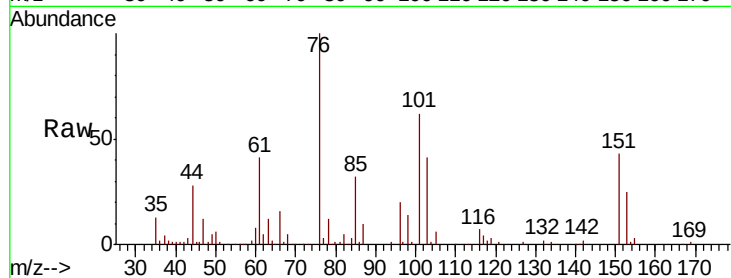
ICVVF011519

Tgt Ion: 76 Resp: 280856

Ion Ratio Lower Upper

76 100

78 11.7 9.6 14.4



#18

Methyl Acetate

Concen: 49.325 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF061411.D

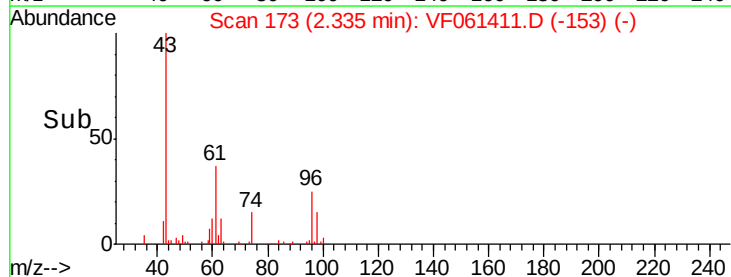
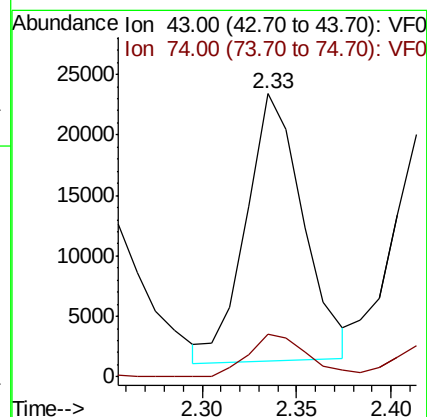
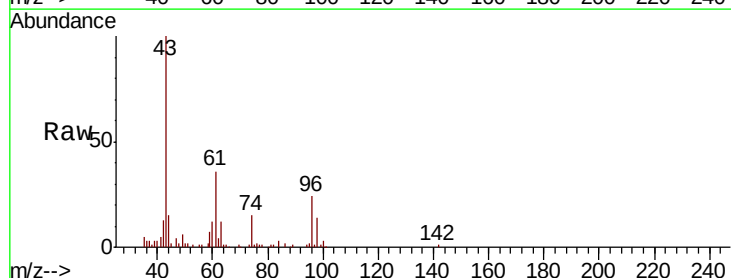
Acq: 15 Jan 2019 17:50

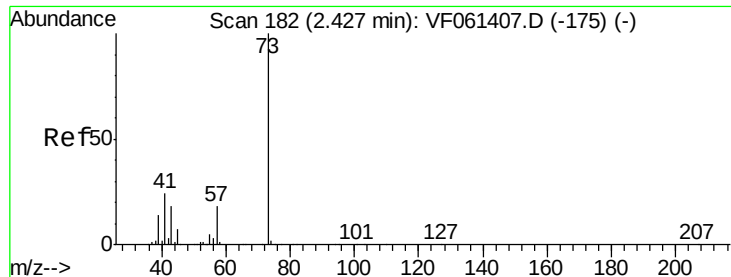
Tgt Ion: 43 Resp: 46472

Ion Ratio Lower Upper

43 100

74 15.2 13.4 20.0

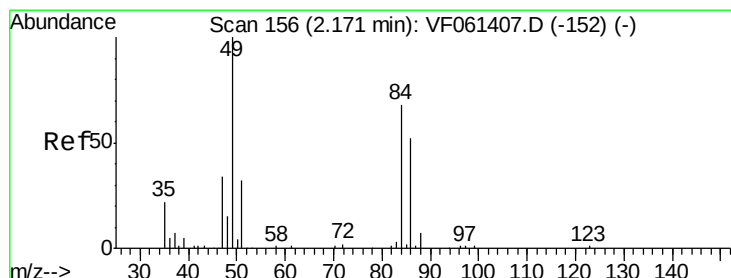
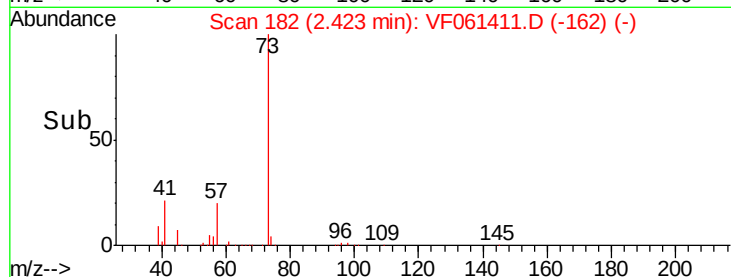
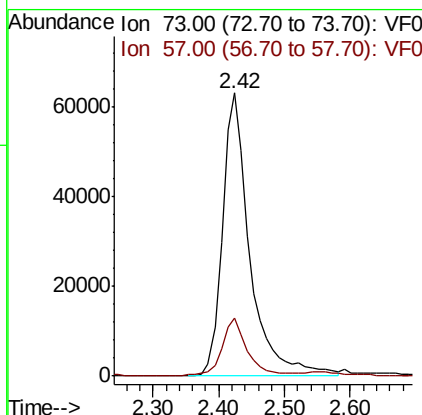
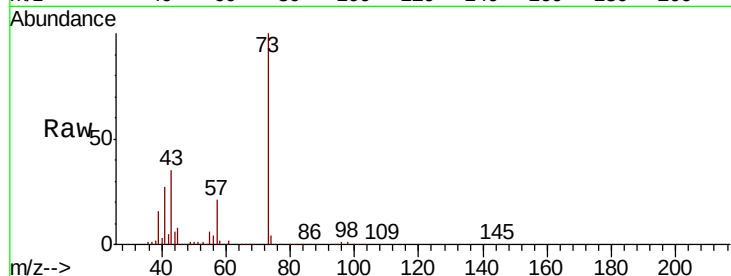




#19
Methyl tert-butyl Ether
Concen: 48.007 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

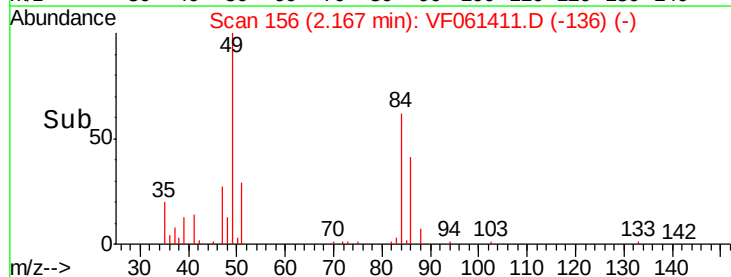
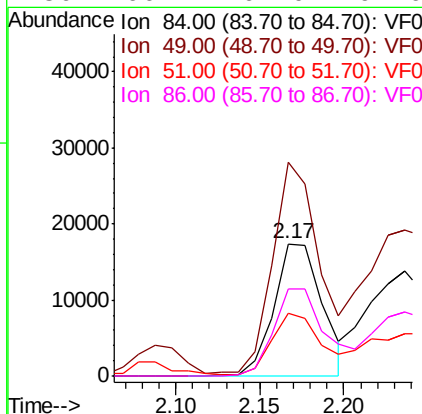
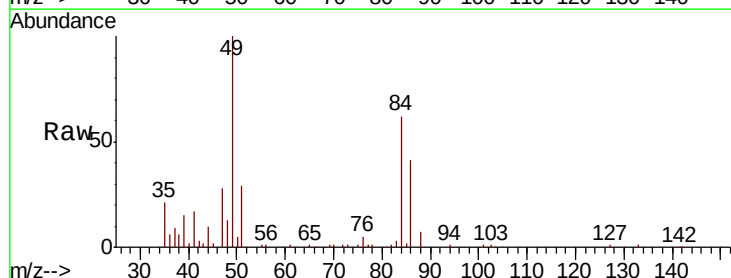
Instrument :
MSVOA_F
ClientSampleId :
ICVVF011519

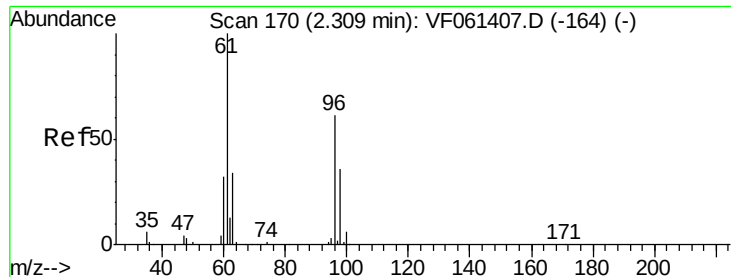
Tgt Ion: 73 Resp: 183596
Ion Ratio Lower Upper
73 100
57 20.7 14.8 22.2



#20
Methylene Chloride
Concen: 20.554 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.00 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Tgt Ion: 84 Resp: 34816
Ion Ratio Lower Upper
84 100
49 161.9 120.0 180.0
51 47.6 38.6 58.0
86 66.2 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 50.260 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

ICVVF011519

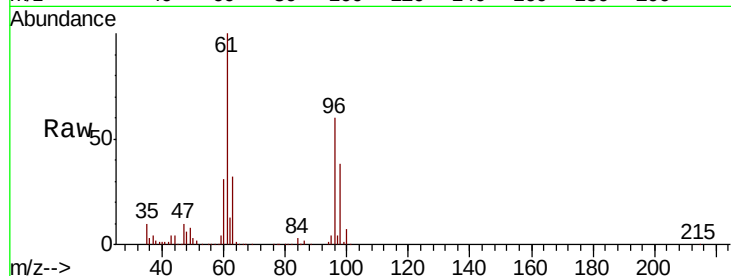
Tgt Ion: 96 Resp: 94337

Ion Ratio Lower Upper

96 100

61 167.4 131.8 197.8

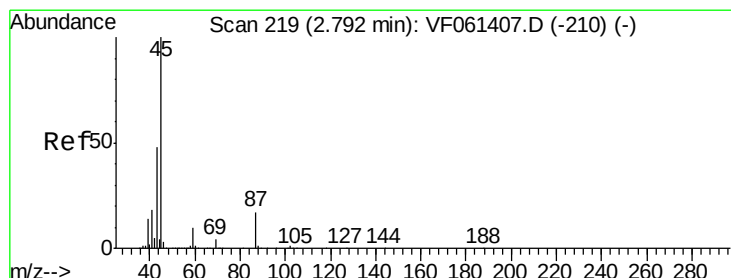
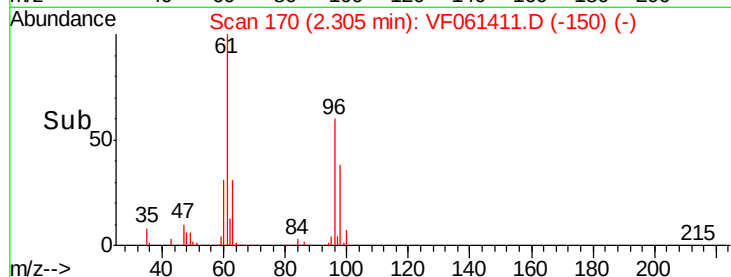
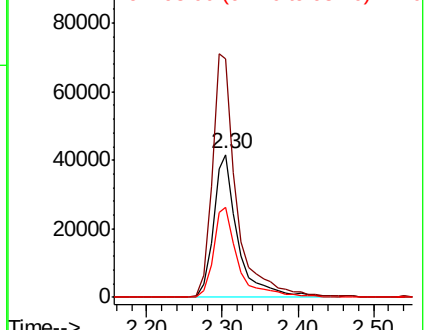
98 63.5 47.4 71.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 51.385 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Tgt Ion: 45 Resp: 311956

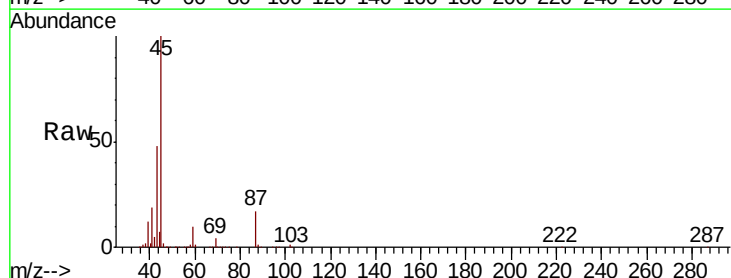
Ion Ratio Lower Upper

45 100

43 48.1 39.0 58.6

87 17.1 13.9 20.9

59 10.2 7.8 11.6

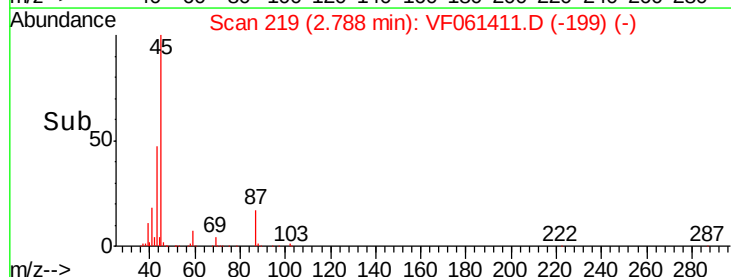
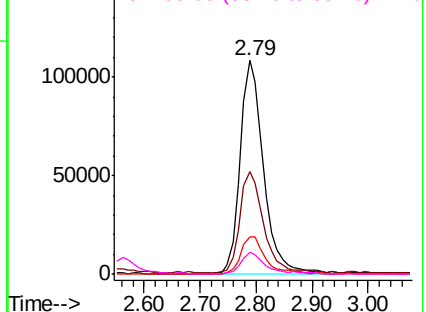


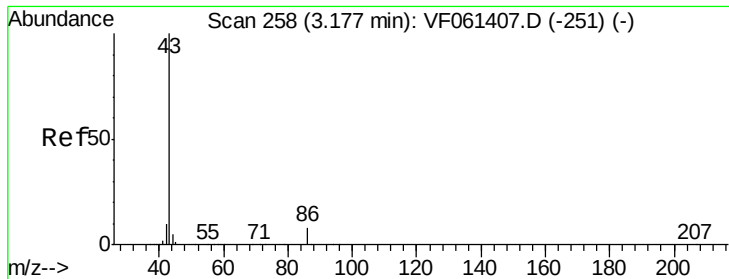
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 286.482 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

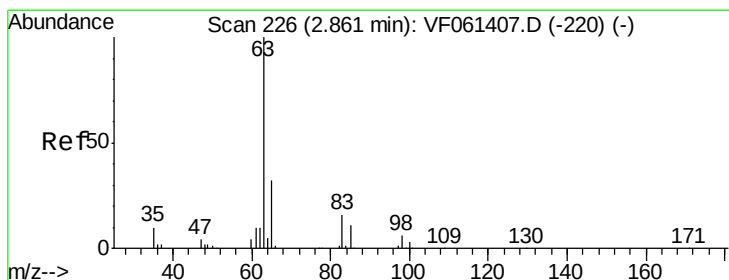
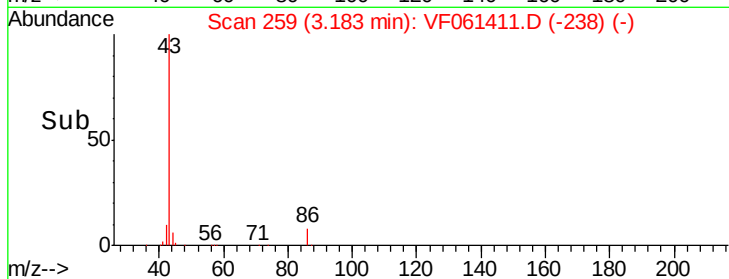
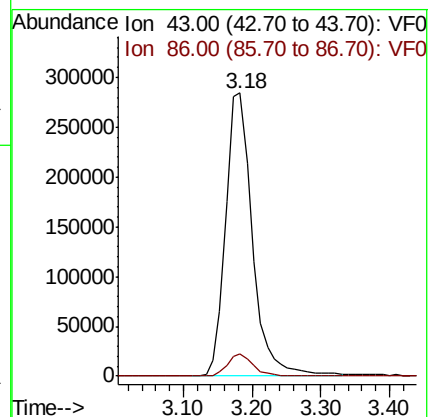
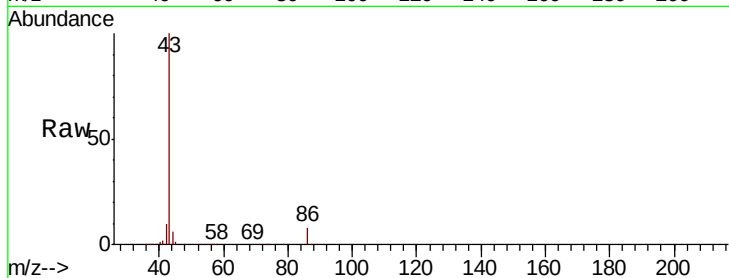
ICVVF011519

Tgt Ion: 43 Resp: 766261

Ion Ratio Lower Upper

43 100

86 7.9 6.2 9.4



#24

1,1-Dichloroethane

Concen: 50.096 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

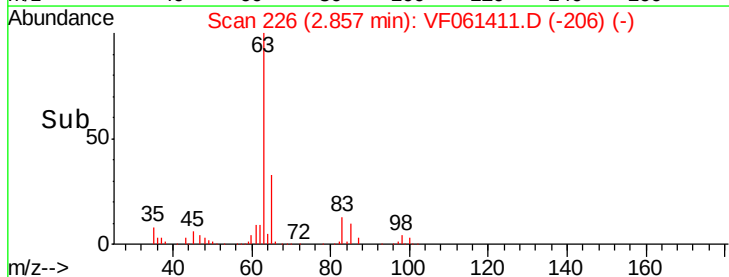
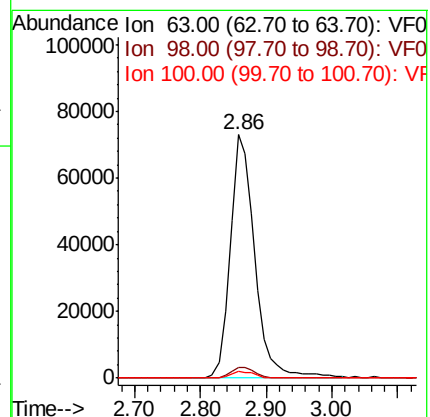
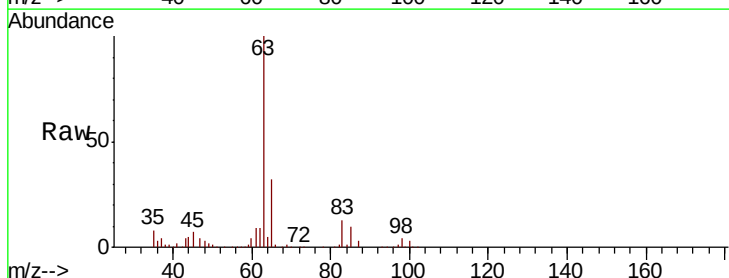
Tgt Ion: 63 Resp: 190880

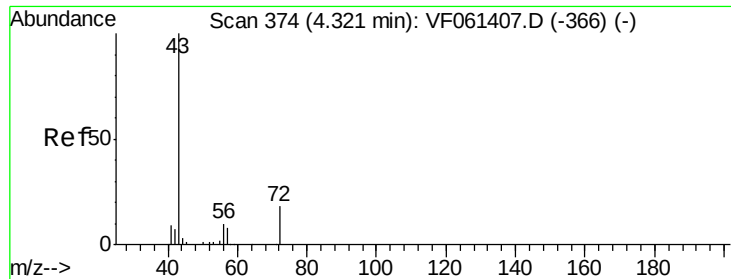
Ion Ratio Lower Upper

63 100

98 4.3 2.9 8.8

100 2.7 1.6 4.8





#25

2-Butanone

Concen: 243.082 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

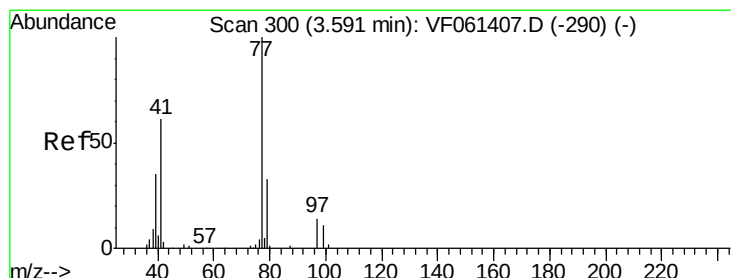
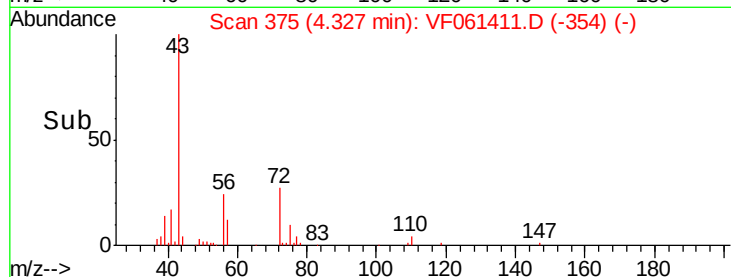
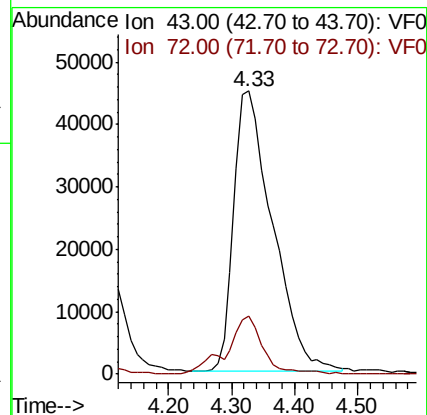
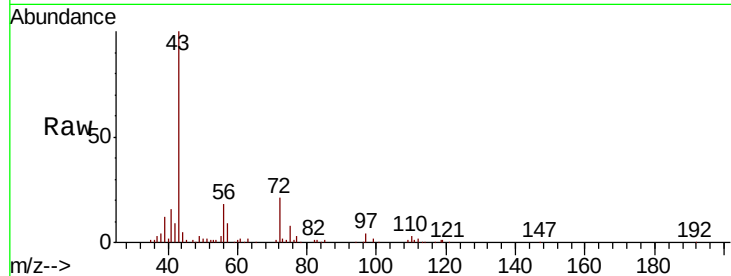
ICVVF011519

Tgt Ion: 43 Resp: 192046

Ion Ratio Lower Upper

43 100

72 20.7 15.8 23.6



#26

2,2-Dichloropropane

Concen: 44.359 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061411.D

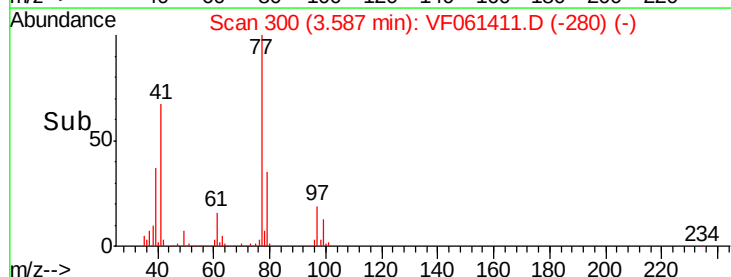
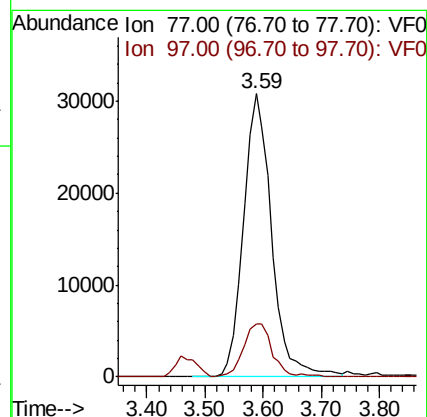
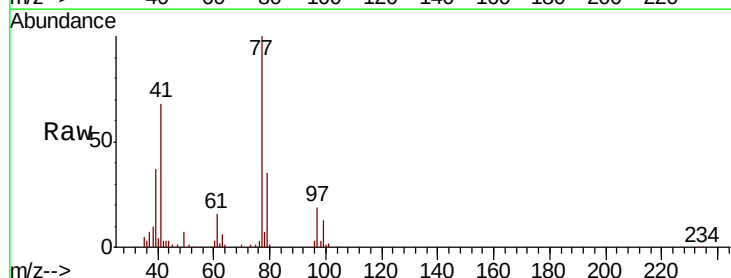
Acq: 15 Jan 2019 17:50

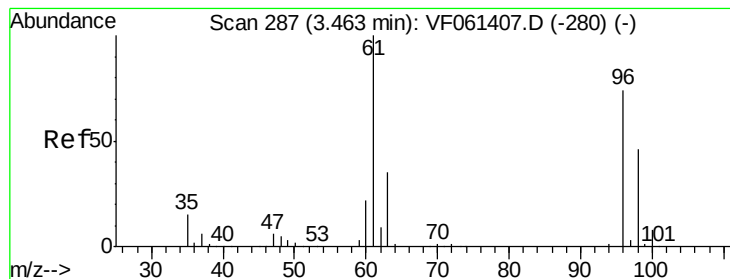
Tgt Ion: 77 Resp: 103846

Ion Ratio Lower Upper

77 100

97 18.7 8.5 25.5



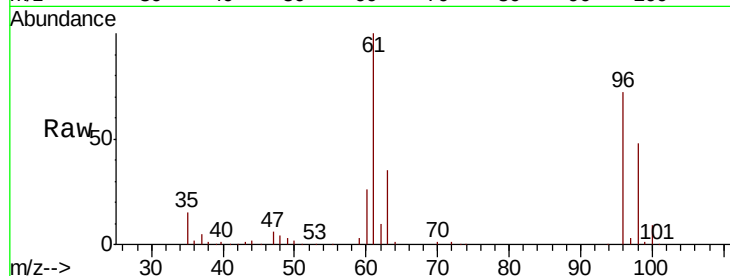


#27

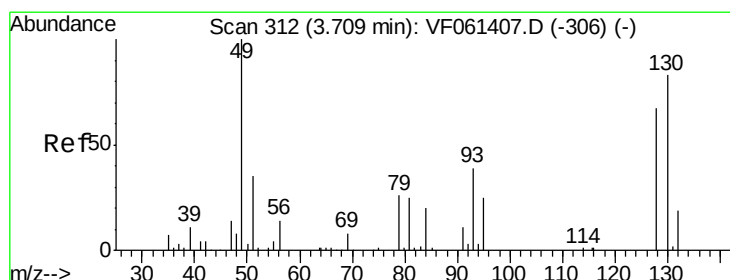
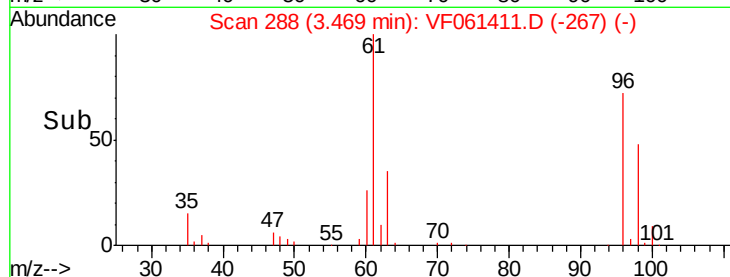
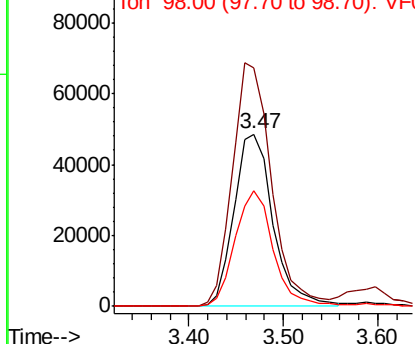
cis-1,2-Dichloroethene
Concen: 50.055 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
ICVVF011519

Tgt Ion: 96 Resp: 138689
Ion Ratio Lower Upper
96 100
61 138.7 0.0 270.2
98 66.8 0.0 124.0



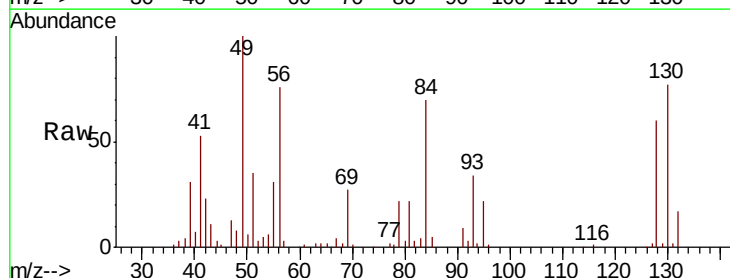
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



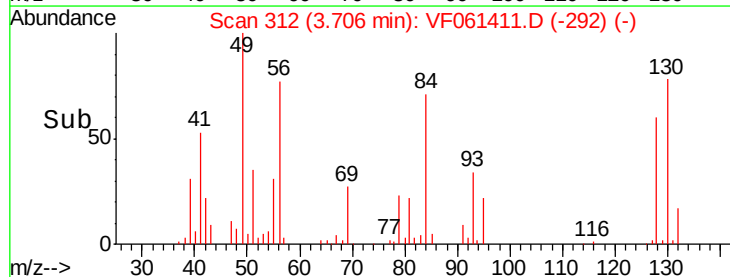
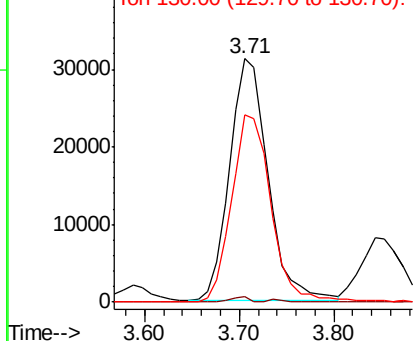
#28

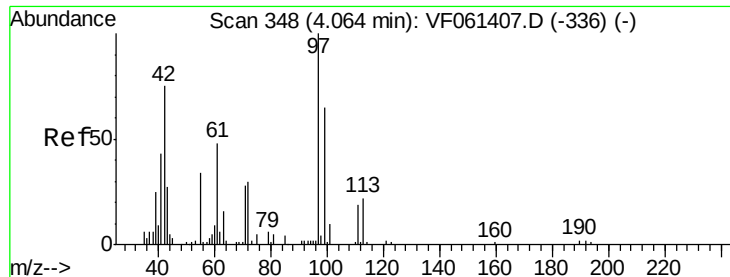
Bromochloromethane
Concen: 51.401 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.00 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Tgt Ion: 49 Resp: 88038
Ion Ratio Lower Upper
49 100
129 2.3 0.0 0.0#
130 76.8 65.4 98.2



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





#29

Tetrahydrofuran

Concen: 237.998 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

ICVVF011519

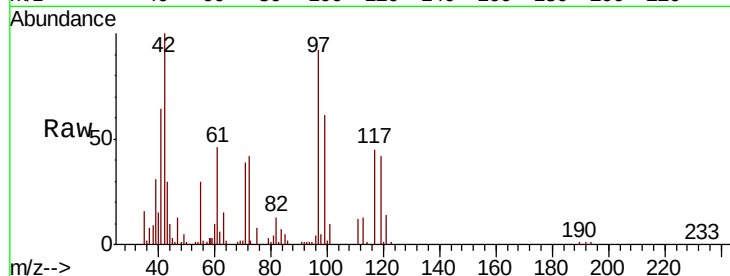
Tgt Ion: 42 Resp: 80964

Ion Ratio Lower Upper

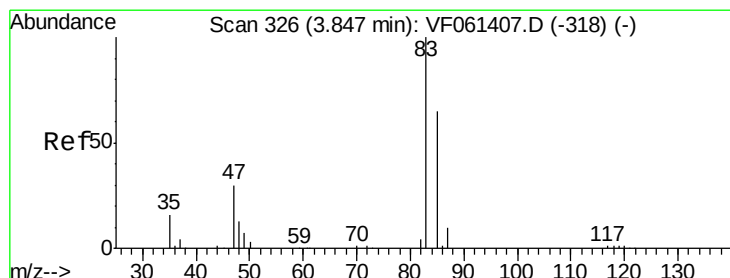
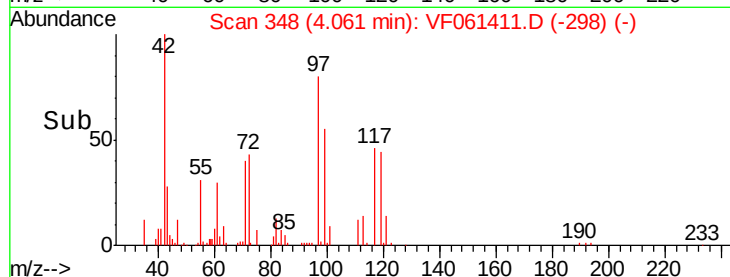
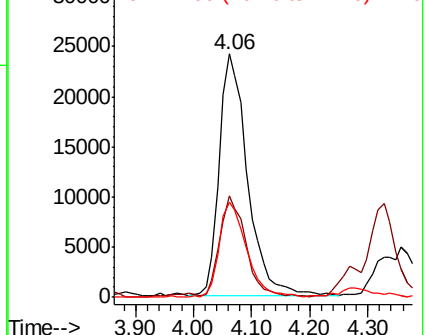
42 100

72 39.1 28.9 43.3

71 38.2 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: 48.307 ug/l

RT: 3.85 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF061411.D

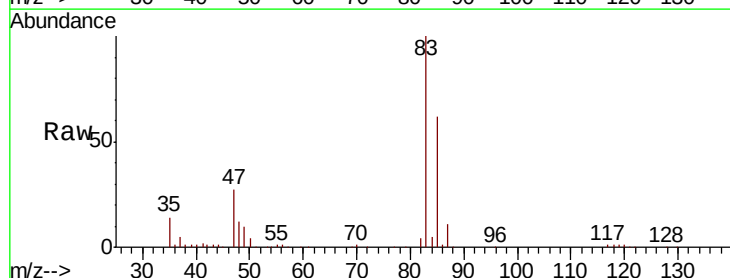
Acq: 15 Jan 2019 17:50

Tgt Ion: 83 Resp: 248409

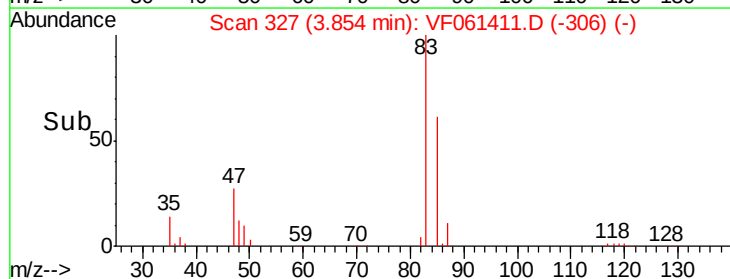
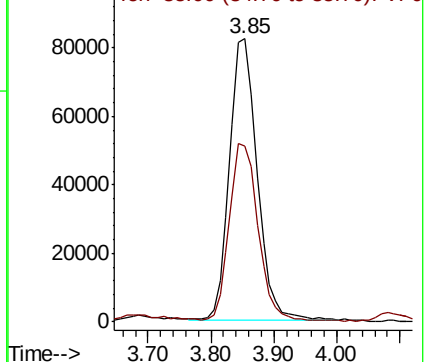
Ion Ratio Lower Upper

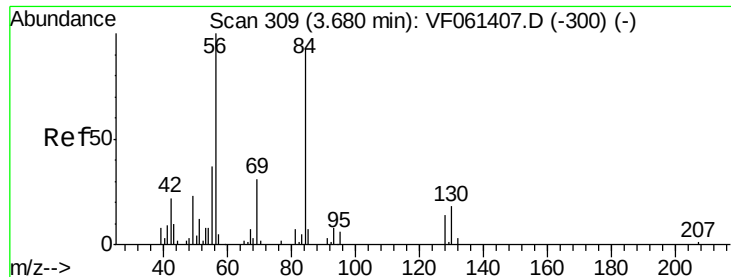
83 100

85 62.1 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

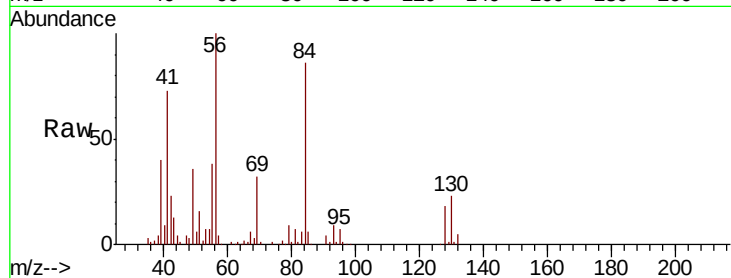




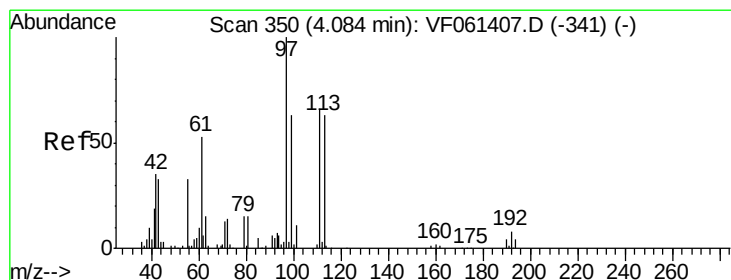
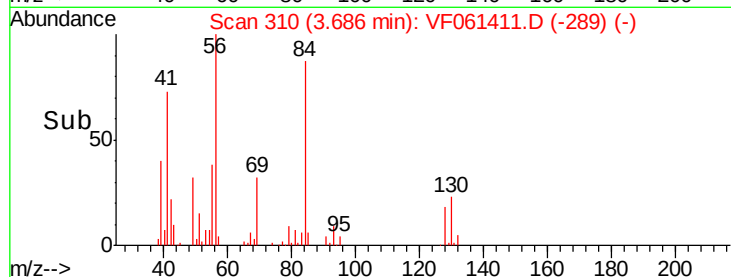
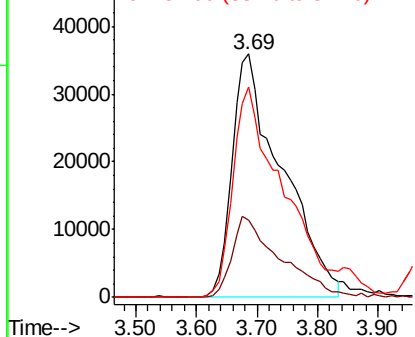
#31
Cyclohexane
Concen: 53.867 ug/l
RT: 3.69 min Scan# 310
Delta R.T. 0.01 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
ICVVF011519

Tgt Ion: 56 Resp: 205027
Ion Ratio Lower Upper
56 100
69 31.7 24.6 36.8
84 86.3 74.2 111.2

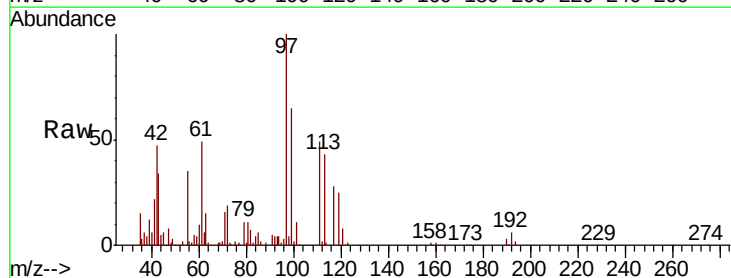


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

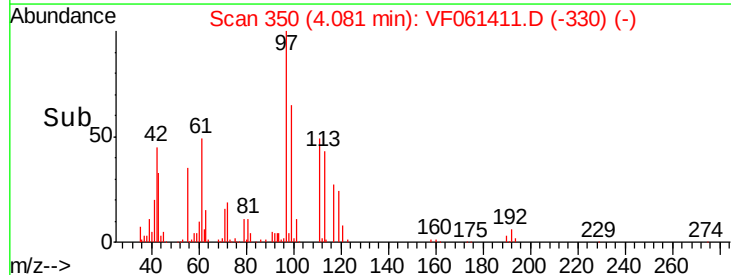
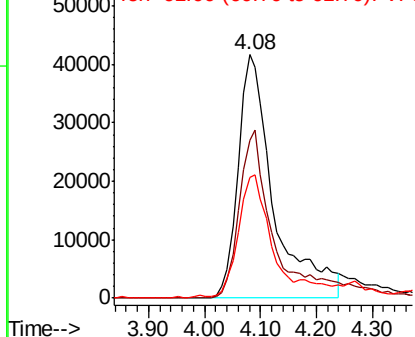


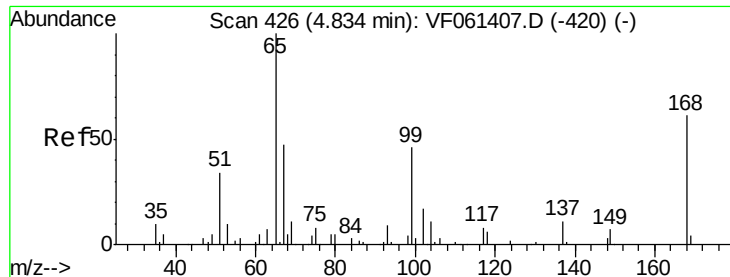
#32
1,1,1-Trichloroethane
Concen: 48.892 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Tgt Ion: 97 Resp: 184348
Ion Ratio Lower Upper
97 100
99 64.7 50.1 75.1
61 49.5 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

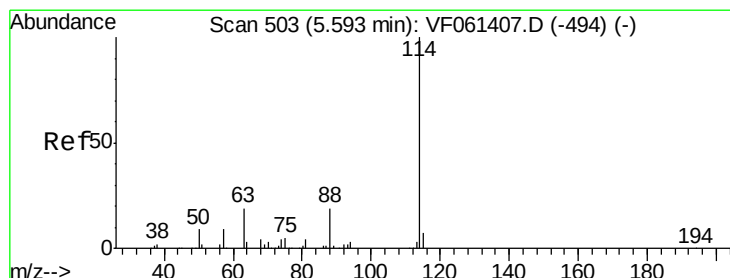
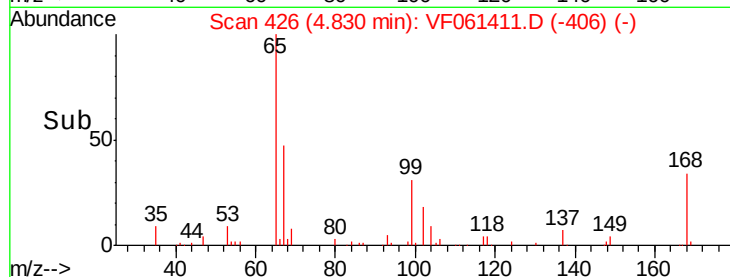
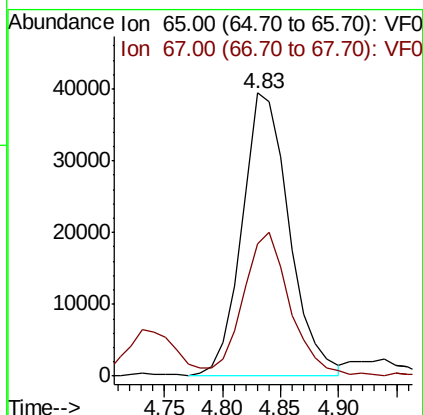
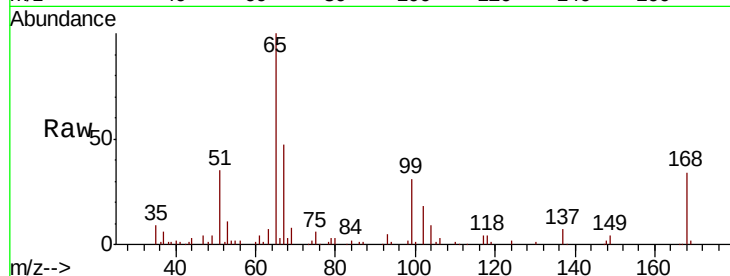




#33
 1,2-Dichloroethane-d4
 Concen: 46.925 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

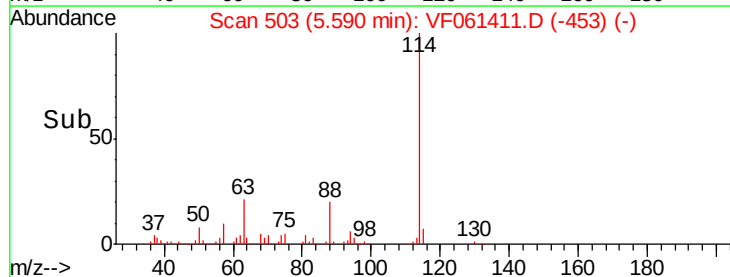
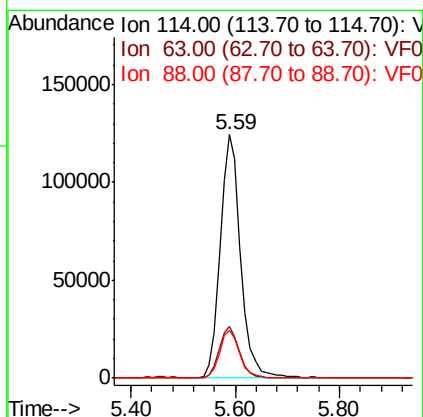
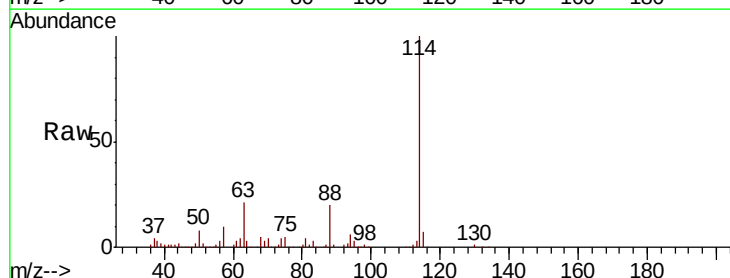
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV011519

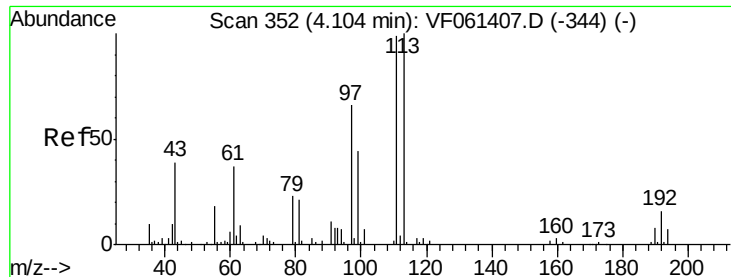
Tgt Ion: 65 Resp: 111127
 Ion Ratio Lower Upper
 65 100
 67 46.8 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

Tgt Ion: 114 Resp: 336582
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 39.0
 88 19.9 0.0 37.4

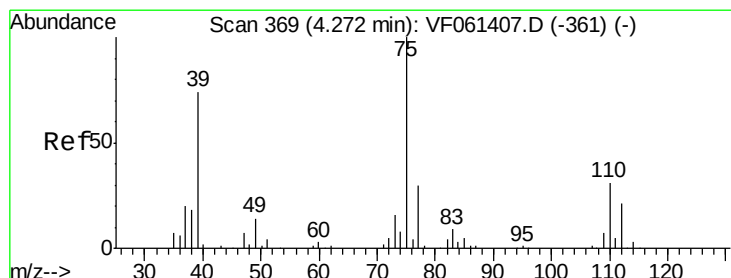
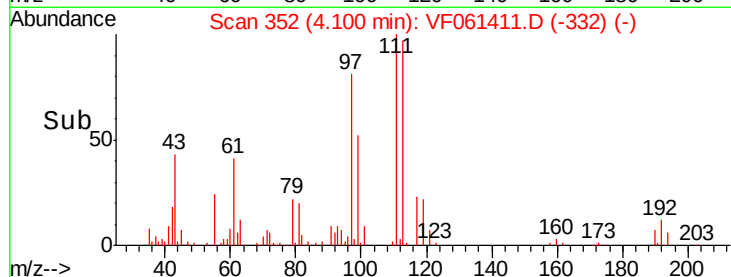
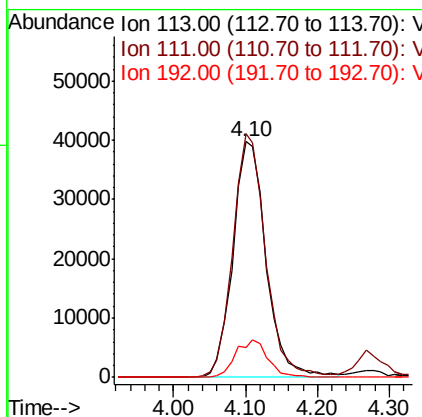
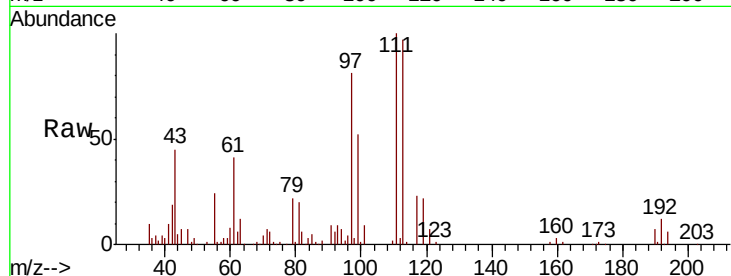




#35
 Dibromofluoromethane
 Concen: 48.088 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

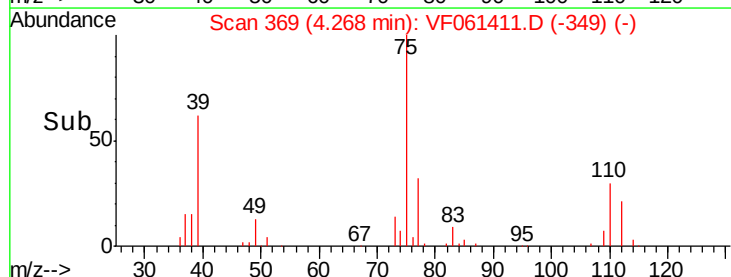
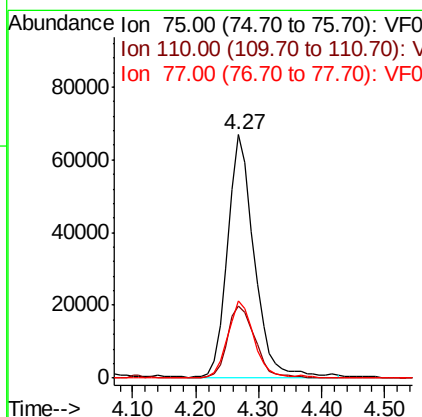
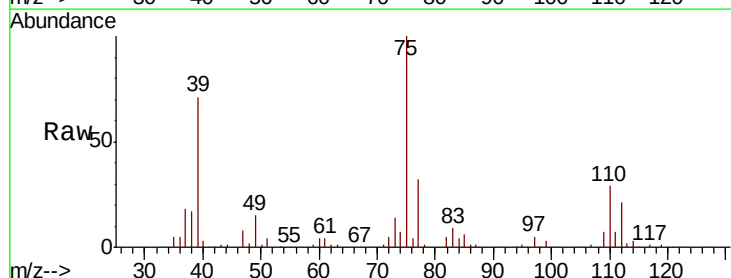
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF011519

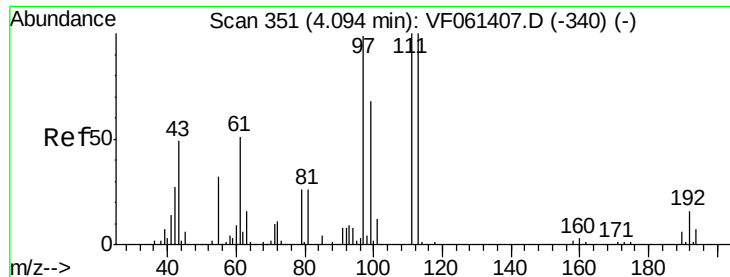
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	79.4	119.0
192	12.5	12.4	18.6



#36
 1,1-Dichloropropene
 Concen: 49.811 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.4	15.8	47.3
77	31.7	24.0	36.0

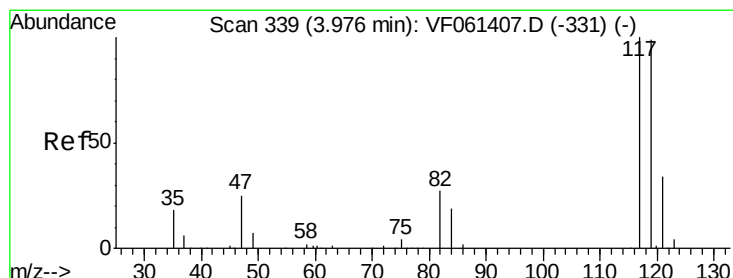
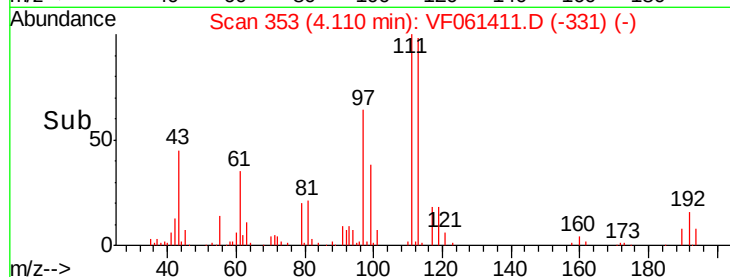
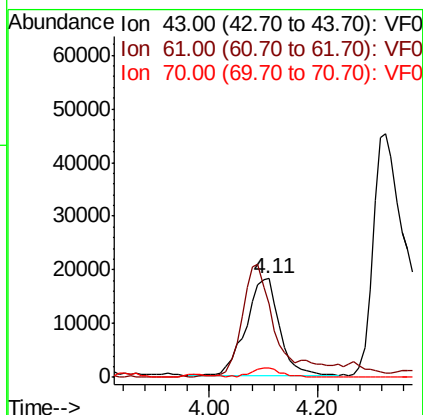
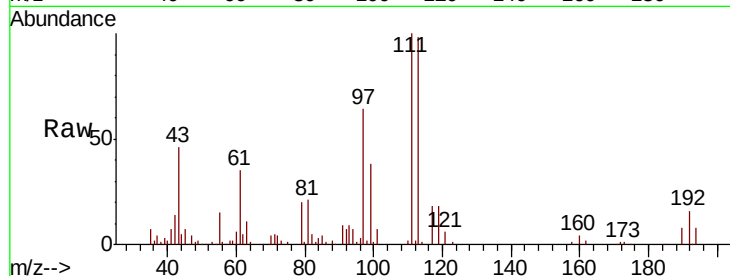




#37
Ethyl Acetate
Concen: 49.516 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.02 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

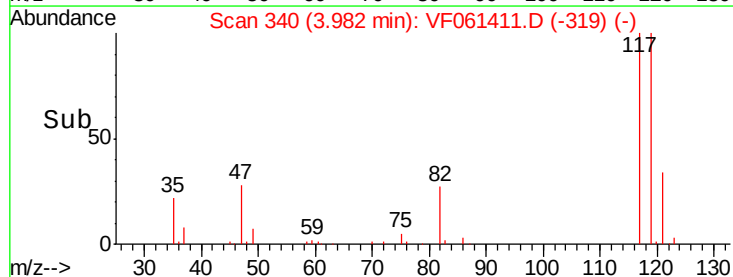
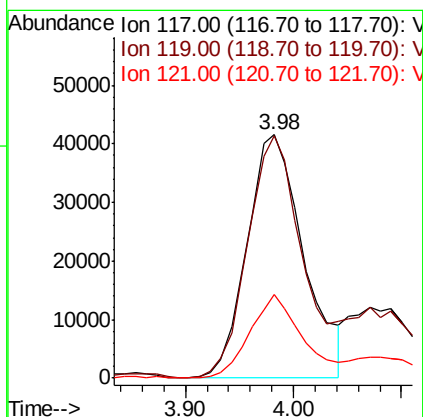
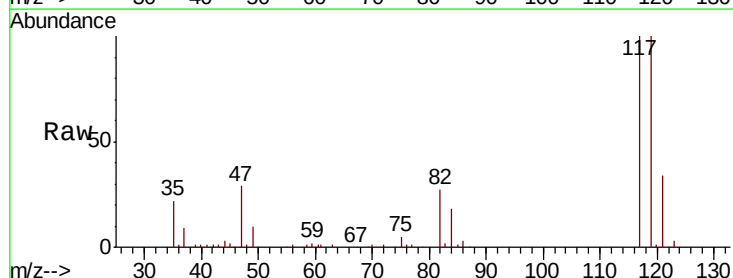
Instrument :
MSVOA_F
ClientSampleId :
ICVVF011519

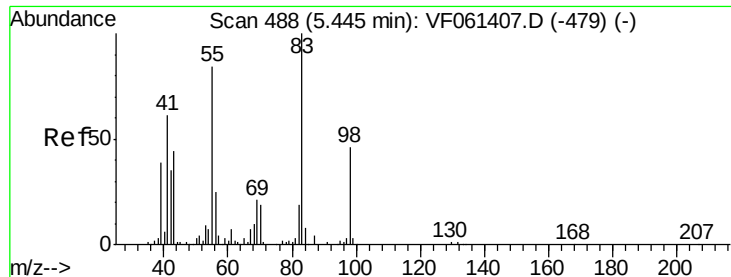
Tgt Ion: 43 Resp: 77243
Ion Ratio Lower Upper
43 100
61 74.6 81.7 122.5#
70 9.6 6.2 9.2#



#38
Carbon Tetrachloride
Concen: 44.540 ug/l
RT: 3.98 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Tgt Ion: 117 Resp: 151959
Ion Ratio Lower Upper
117 100
119 99.7 79.0 118.6
121 34.4 27.0 40.6

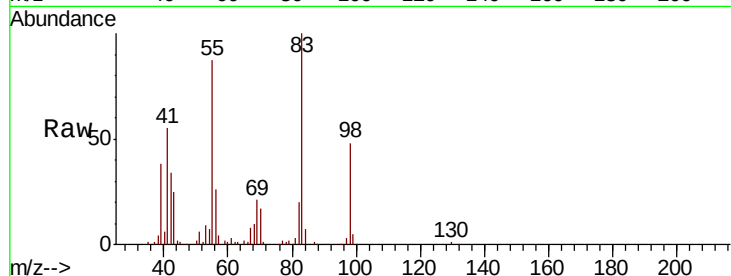




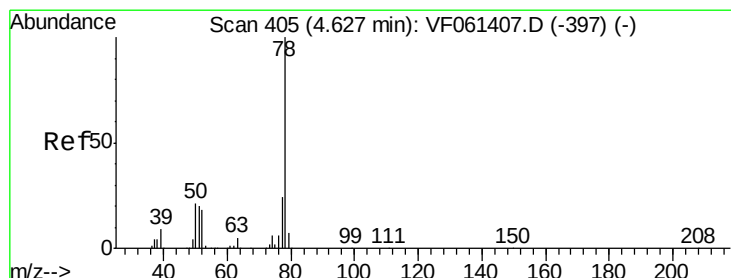
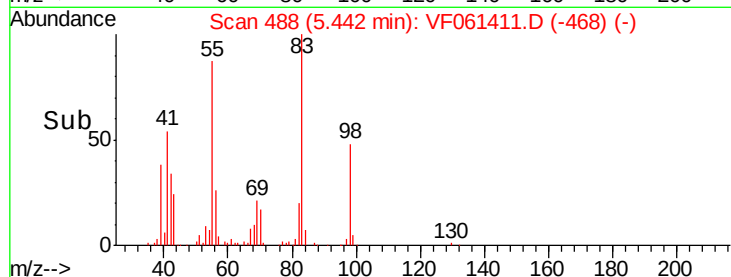
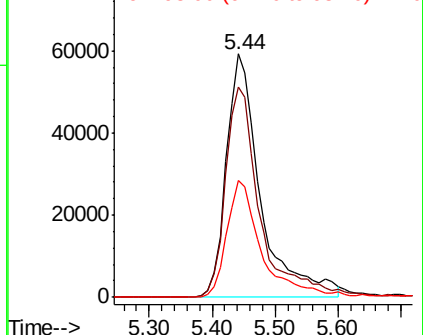
#39
Methylcyclohexane
Concen: 52.774 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.00 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
ICVVF011519

Tgt Ion: 83 Resp: 223193
Ion Ratio Lower Upper
83 100
55 86.6 67.4 101.2
98 48.0 36.7 55.1

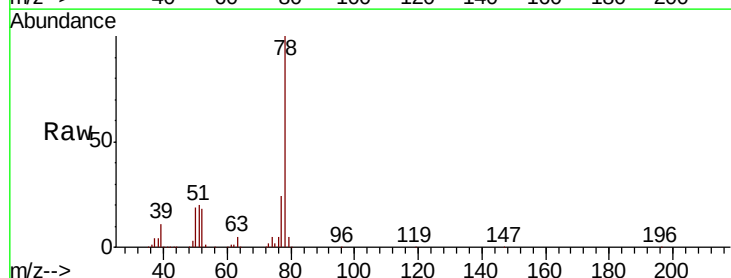


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

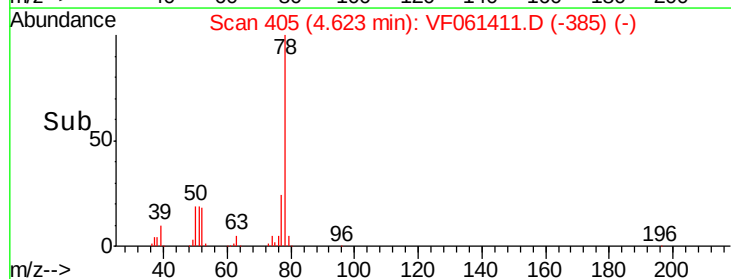
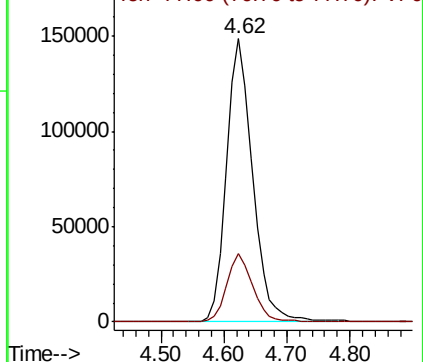


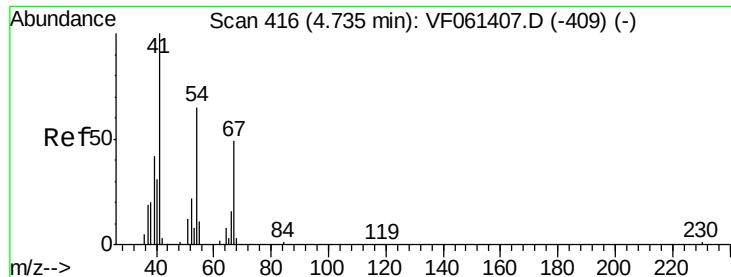
#40
Benzene
Concen: 49.115 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Tgt Ion: 78 Resp: 426502
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6



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





#41

Methacrylonitrile

Concen: 44.898 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

ICVVF011519

Tgt Ion: 41 Resp: 37268

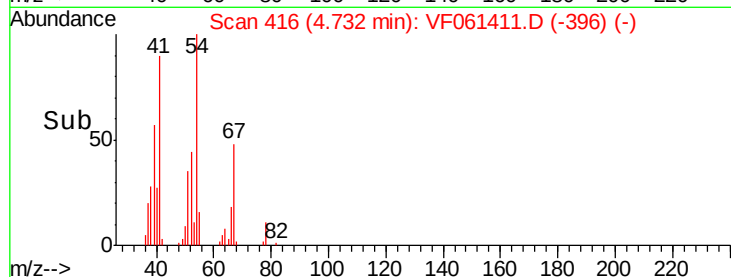
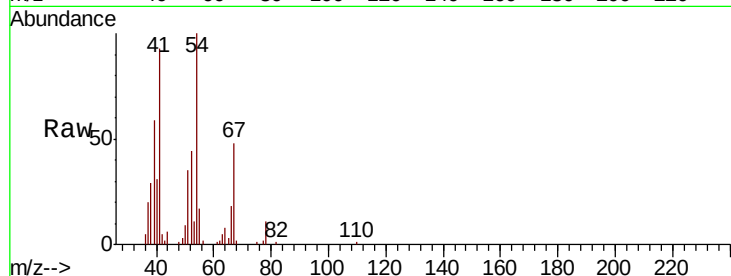
Ion Ratio Lower Upper

41 100

39 63.0 43.1 64.7

67 51.0 38.8 58.2

52 47.5 33.2 49.8

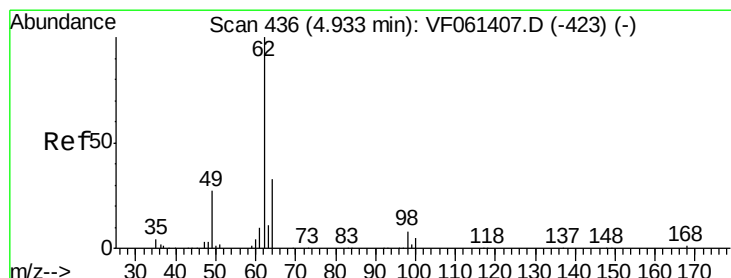
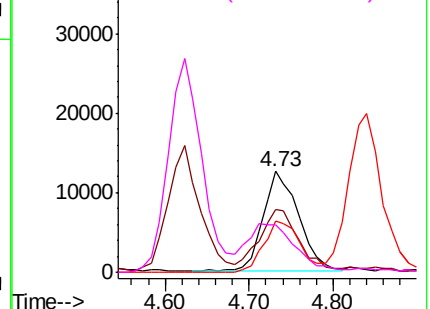


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 48.242 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.01 min

Lab File: VF061411.D

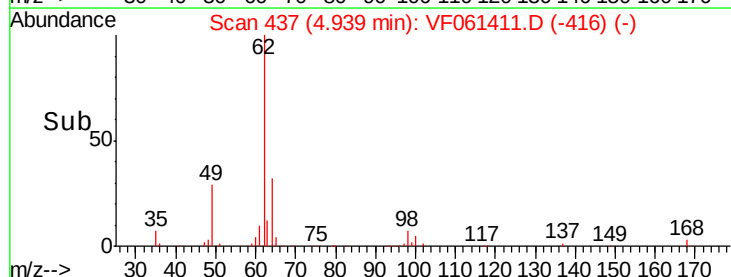
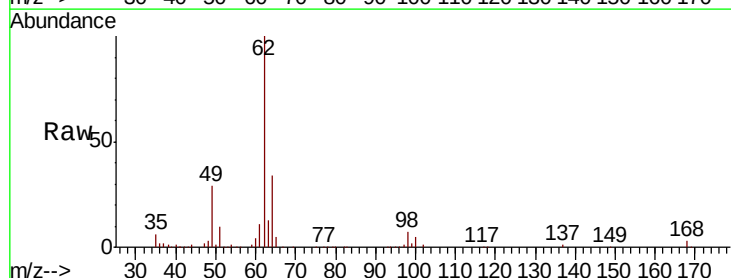
Acq: 15 Jan 2019 17:50

Tgt Ion: 62 Resp: 149279

Ion Ratio Lower Upper

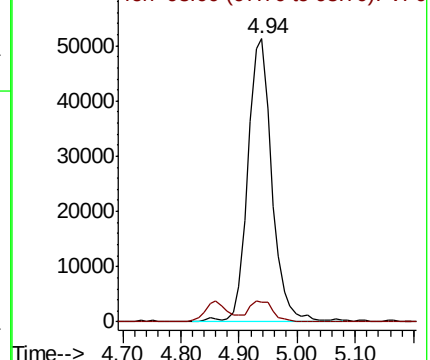
62 100

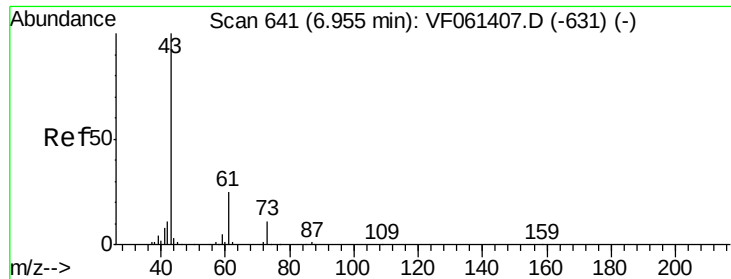
98 6.9 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 52.682 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

ICVVF011519

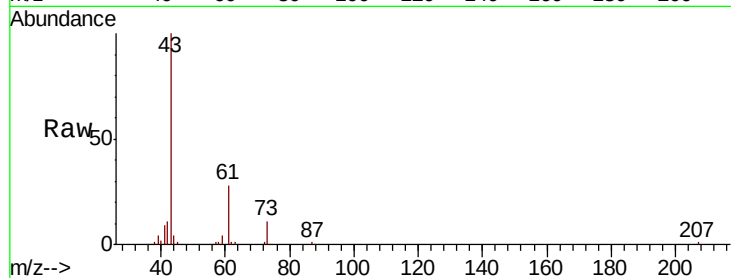
Tgt Ion: 43 Resp: 103143

Ion Ratio Lower Upper

43 100

61 28.3 20.3 30.5

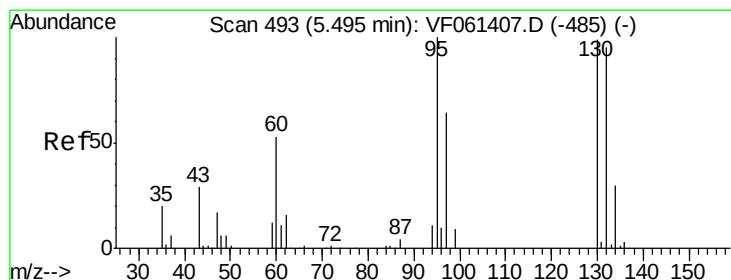
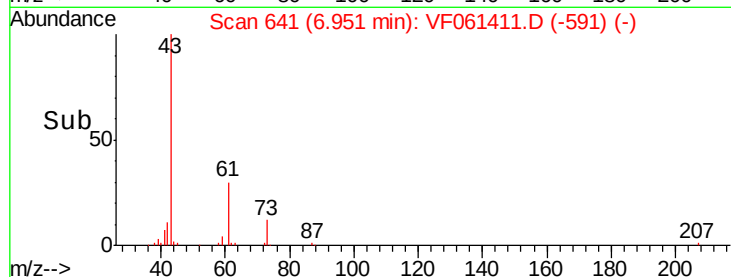
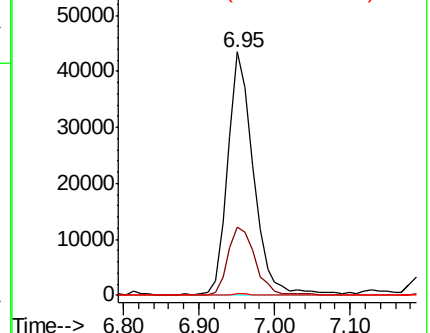
87 0.7 0.5 0.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 50.676 ug/l

RT: 5.50 min Scan# 494

Delta R.T. 0.01 min

Lab File: VF061411.D

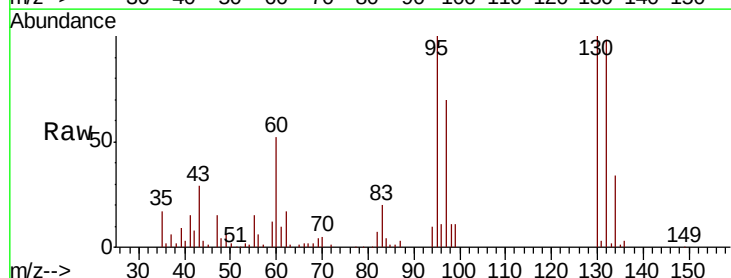
Acq: 15 Jan 2019 17:50

Tgt Ion: 130 Resp: 134993

Ion Ratio Lower Upper

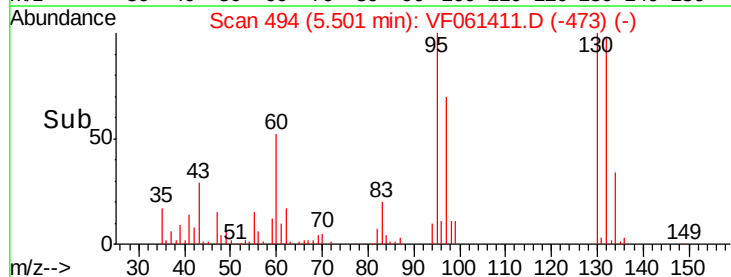
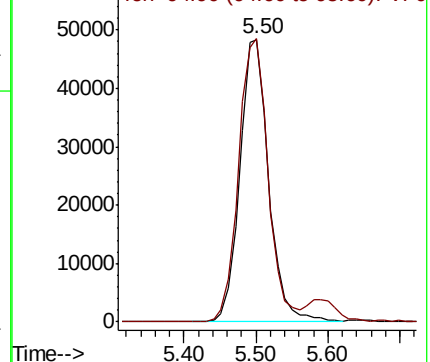
130 100

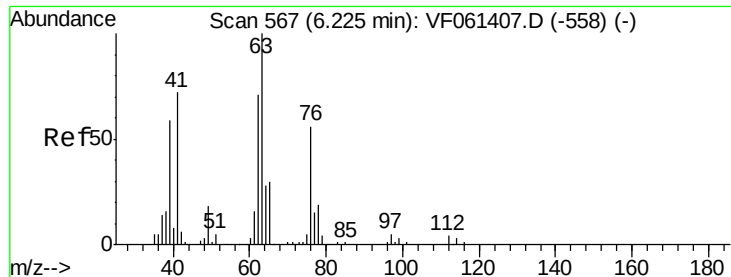
95 100.2 0.0 202.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 50.376 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

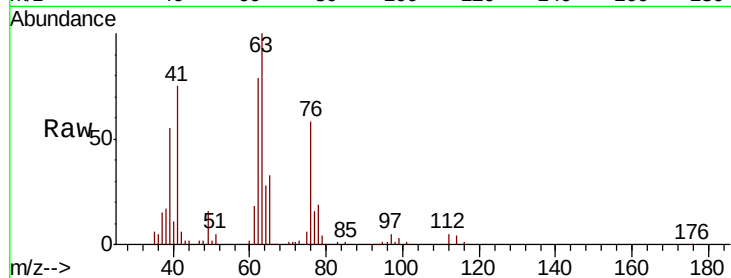
ICVVF011519

Tgt Ion: 63 Resp: 114811

Ion Ratio Lower Upper

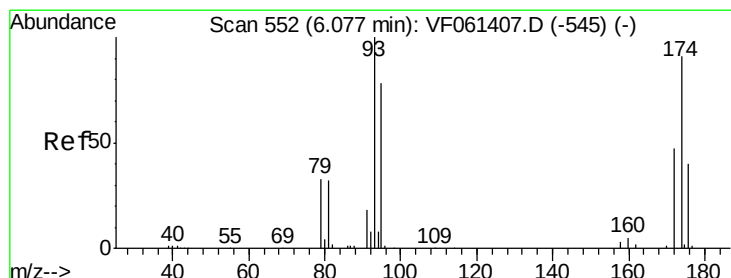
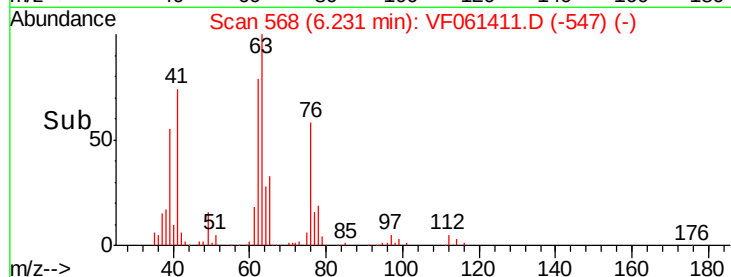
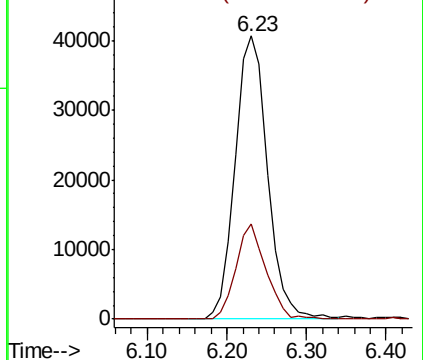
63 100

65 33.5 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 49.260 ug/l

RT: 6.08 min Scan# 553

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

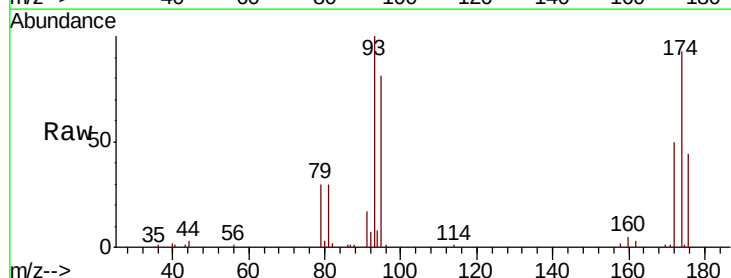
Tgt Ion: 93 Resp: 74650

Ion Ratio Lower Upper

93 100

95 81.2 62.1 93.1

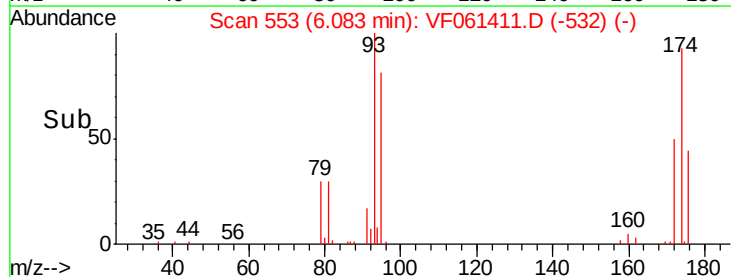
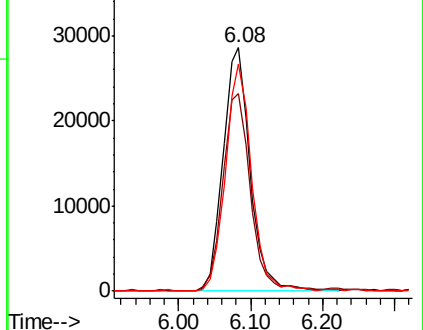
174 93.1 74.6 111.8

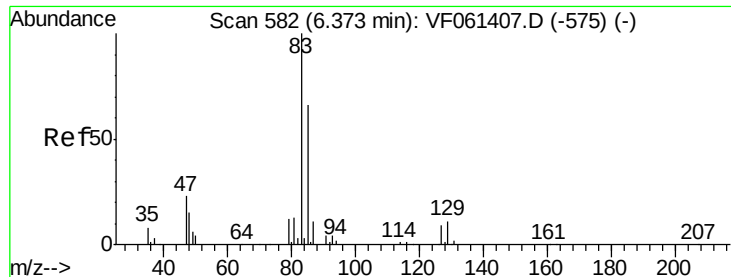


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 49.667 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

ICVVF011519

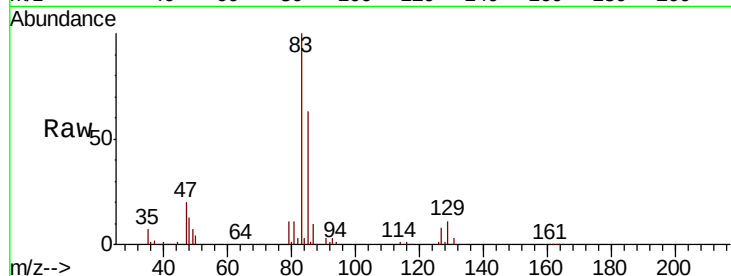
Tgt Ion: 83 Resp: 186226

Ion Ratio Lower Upper

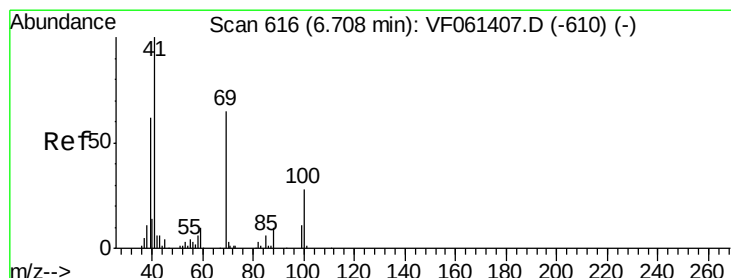
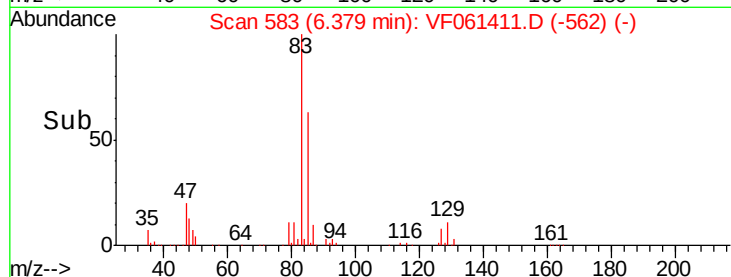
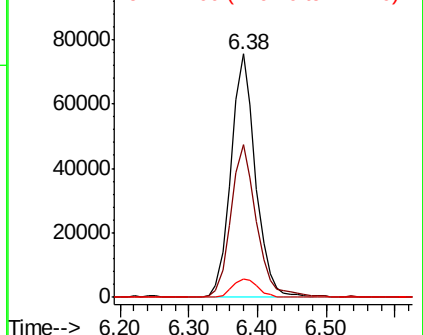
83 100

85 62.8 53.0 79.4

127 7.5 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: 48.020 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

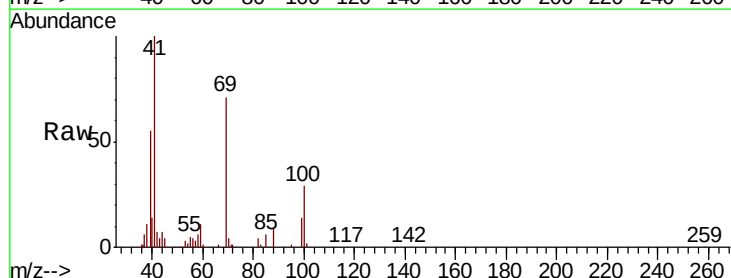
Tgt Ion: 41 Resp: 63132

Ion Ratio Lower Upper

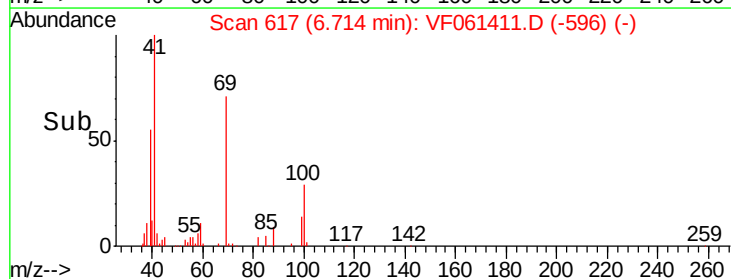
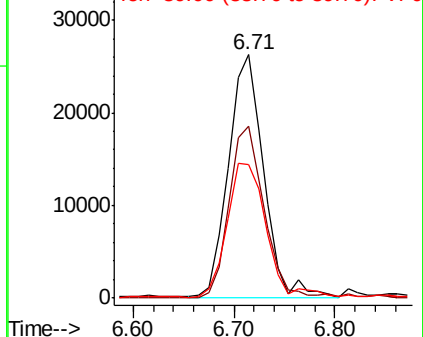
41 100

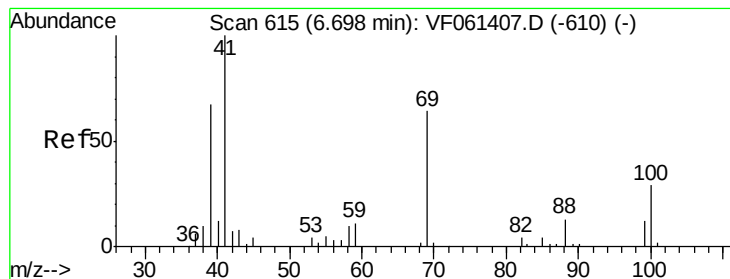
69 70.6 51.7 77.5

39 55.0 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: 1118.127 ug/l

RT: 6.70 min Scan# 616

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

ICVVF011519

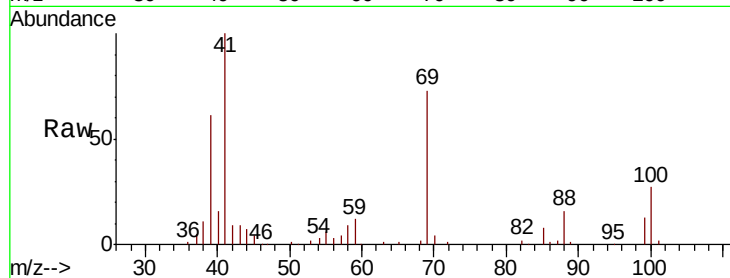
Tgt Ion: 88 Resp: 10186

Ion Ratio Lower Upper

88 100

43 54.8 55.5 83.3#

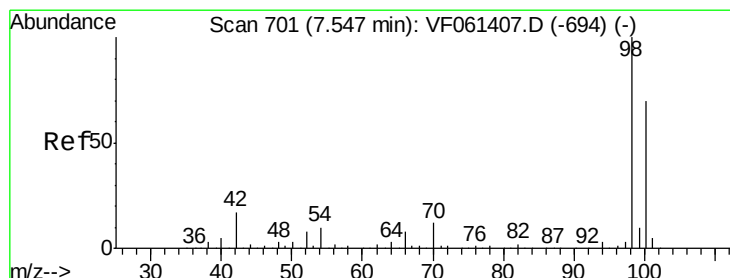
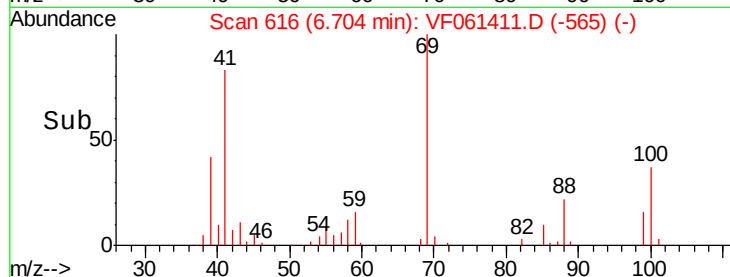
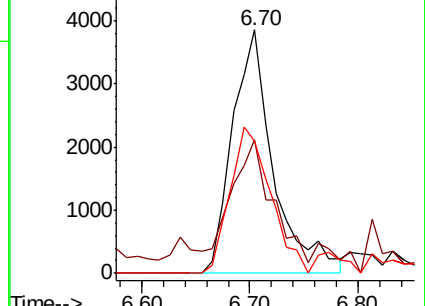
58 54.1 59.9 89.9#



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: 52.896 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061411.D

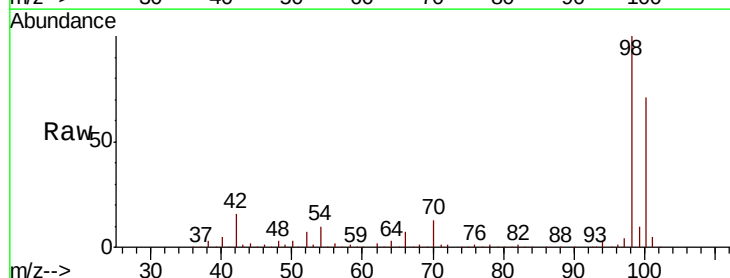
Acq: 15 Jan 2019 17:50

Tgt Ion: 98 Resp: 384908

Ion Ratio Lower Upper

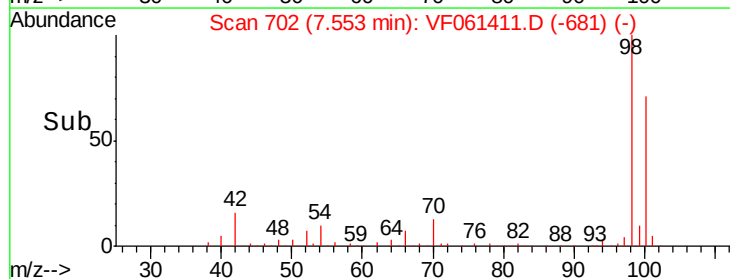
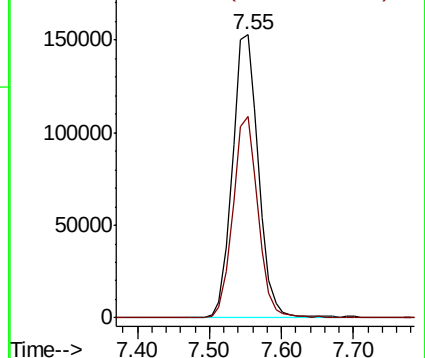
98 100

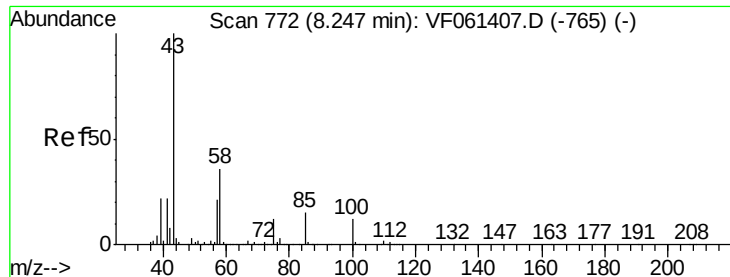
100 71.1 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

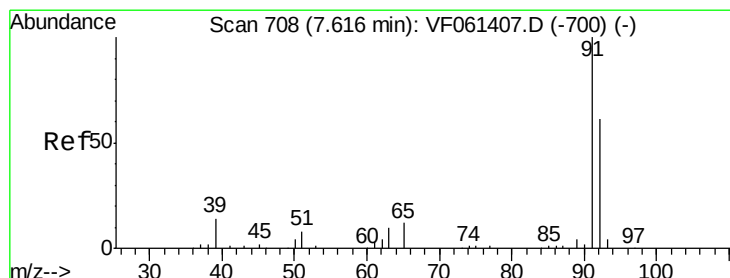
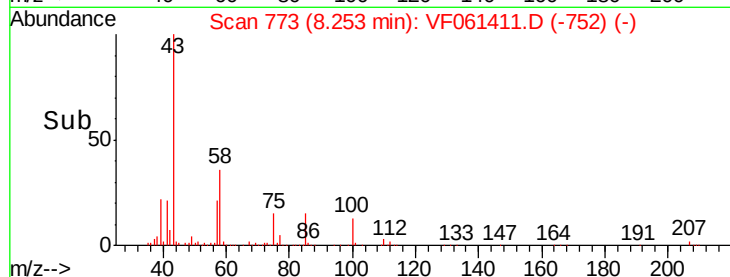
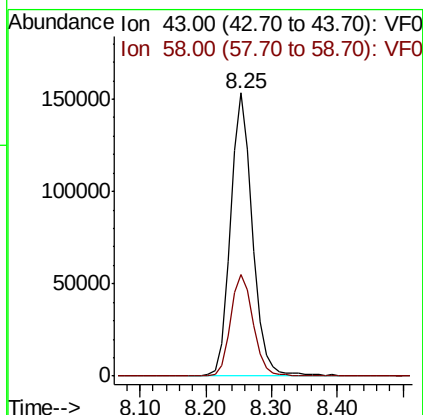
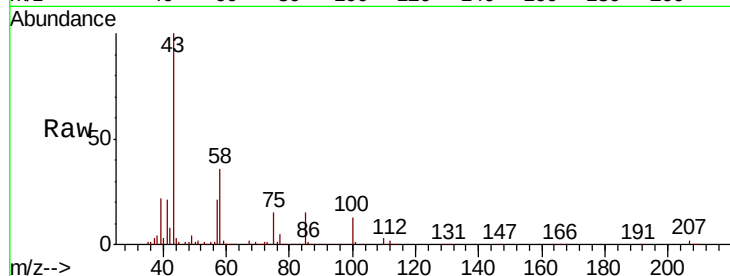




#51
 4-Methyl-2-Pentanone
 Concen: 248.283 ug/l
 RT: 8.25 min Scan# 773
 Delta R.T. 0.01 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

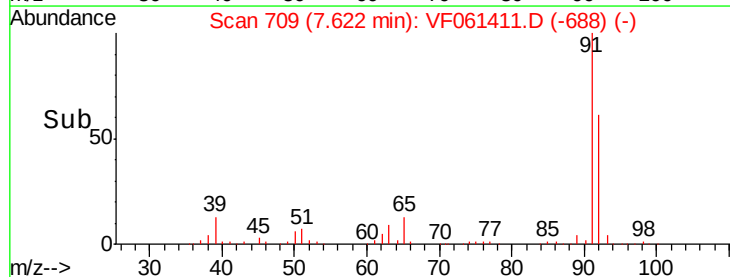
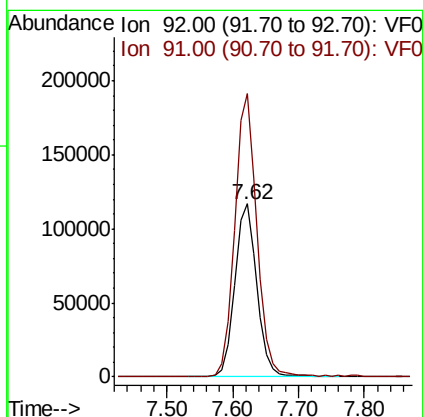
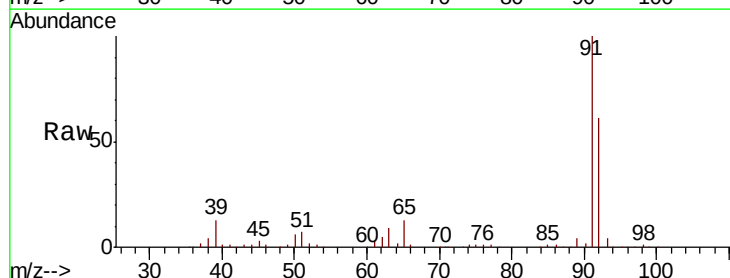
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF011519

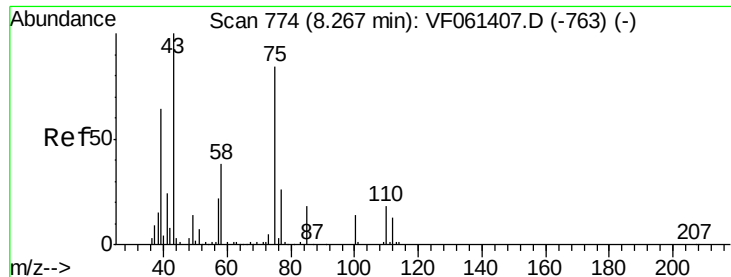
Tgt Ion: 43 Resp: 357362
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.8 43.2



#52
 Toluene
 Concen: 48.085 ug/l
 RT: 7.62 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

Tgt Ion: 92 Resp: 274975
 Ion Ratio Lower Upper
 92 100
 91 163.9 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 50.803 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

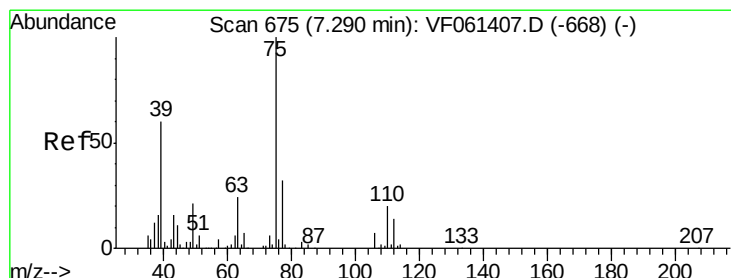
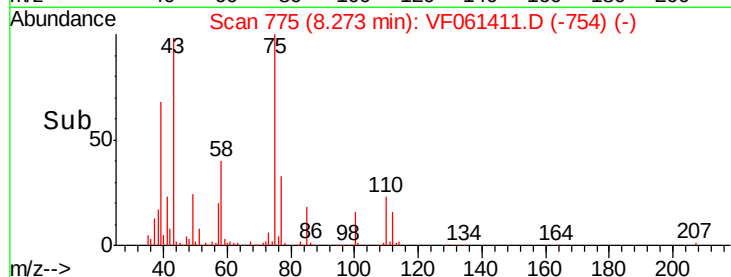
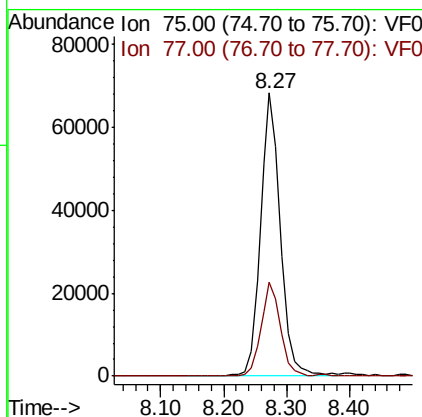
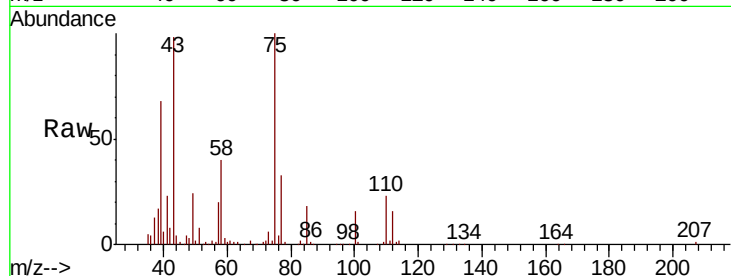
ICVVF011519

Tgt Ion: 75 Resp: 151257

Ion Ratio Lower Upper

75 100

77 33.0 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 53.934 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

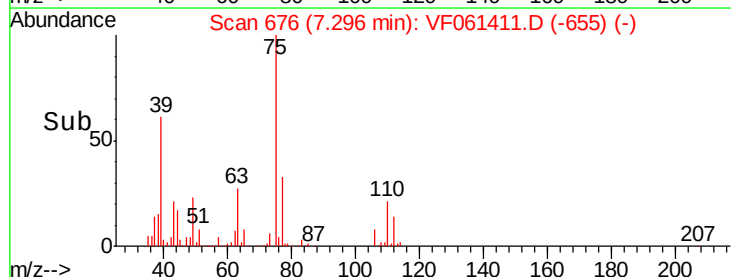
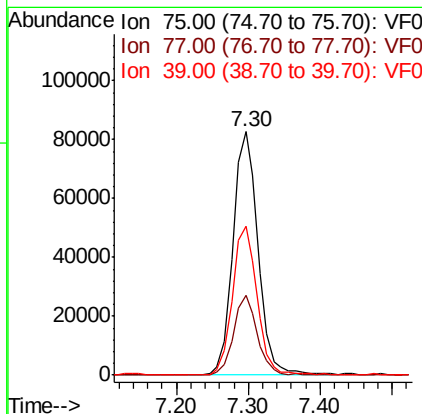
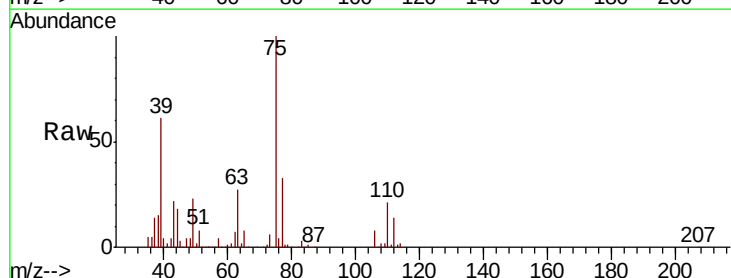
Tgt Ion: 75 Resp: 200720

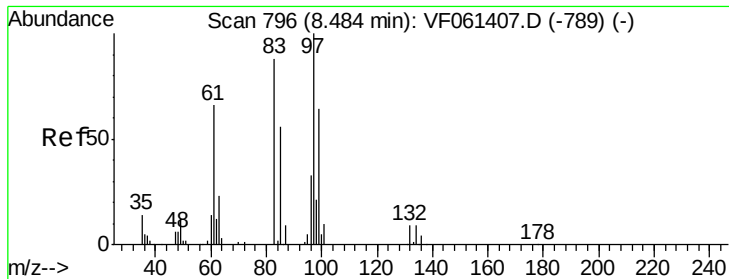
Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0

39 61.3 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 52.137 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

ICVVF011519

Tgt Ion: 97 Resp: 84666

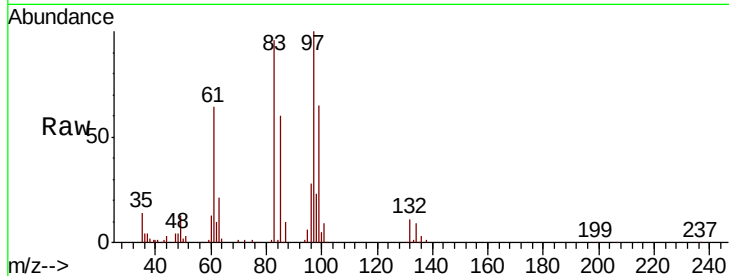
Ion Ratio Lower Upper

97 100

83 96.0 70.4 105.6

85 60.0 44.7 67.1

99 65.1 50.8 76.2

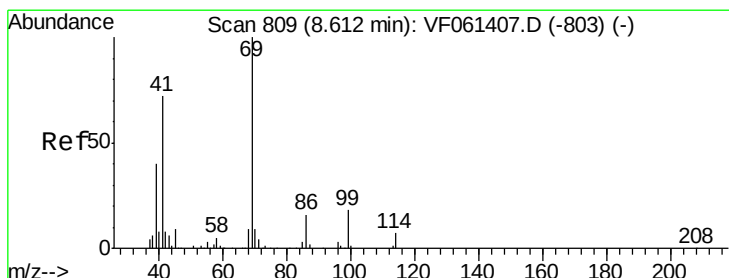
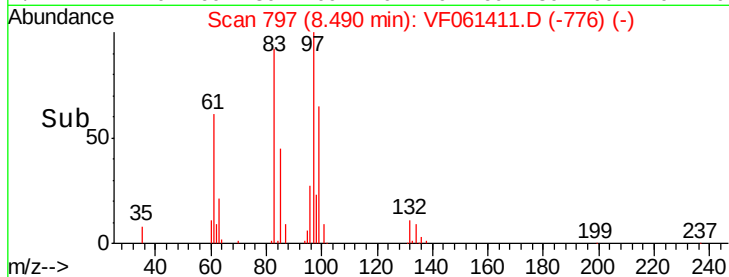
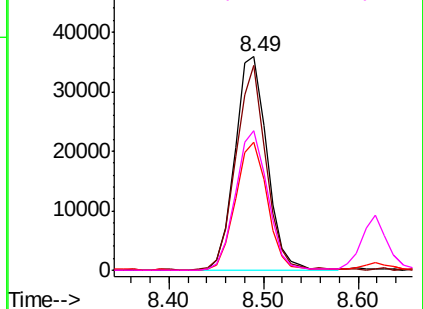


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



#56

Ethyl methacrylate

Concen: 49.500 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

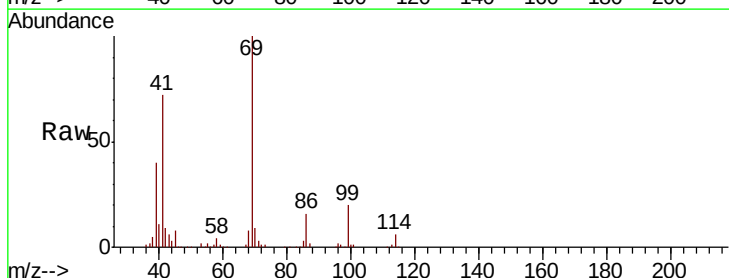
Tgt Ion: 69 Resp: 93520

Ion Ratio Lower Upper

69 100

41 72.4 57.5 86.3

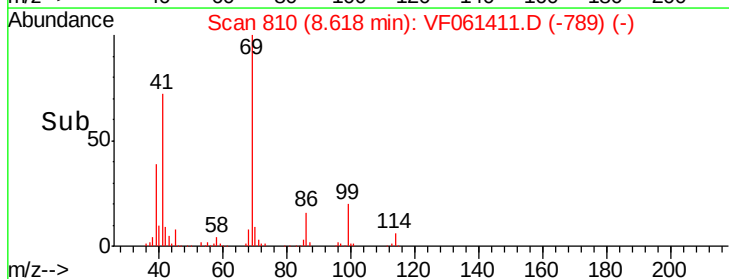
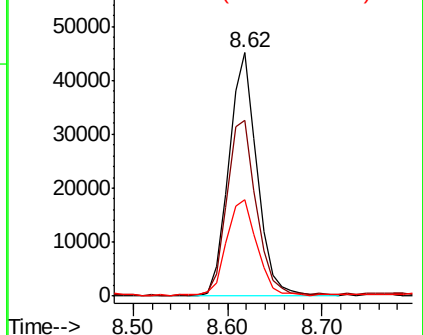
39 39.6 32.0 48.0

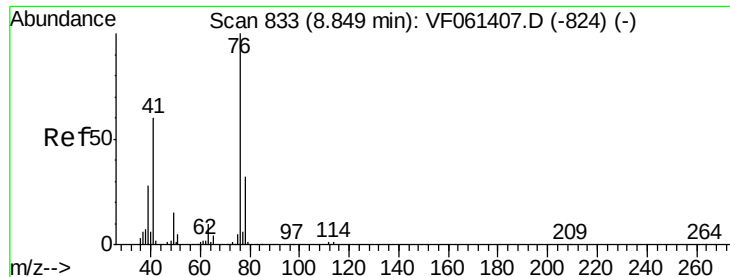


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.876 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

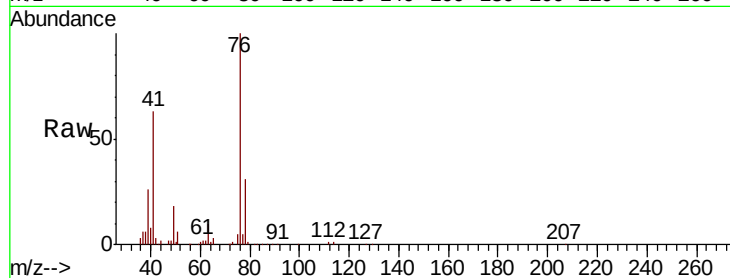
ICVVF011519

Tgt Ion: 76 Resp: 145724

Ion Ratio Lower Upper

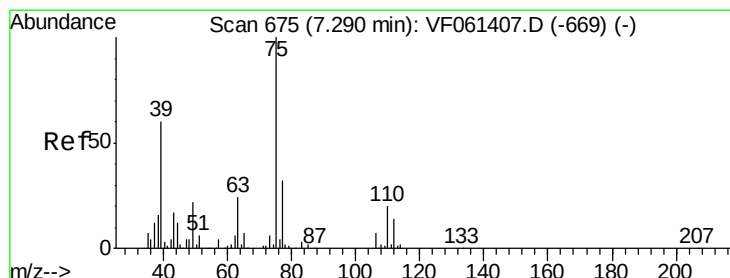
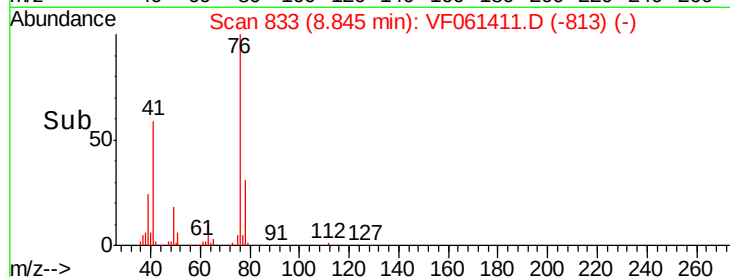
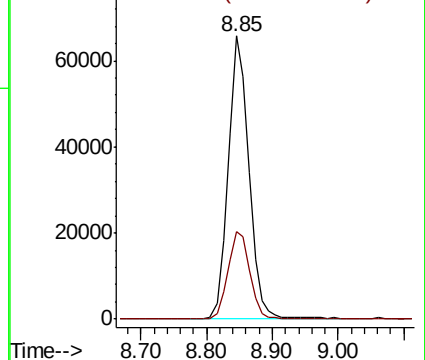
76 100

78 31.0 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 271.113 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061411.D

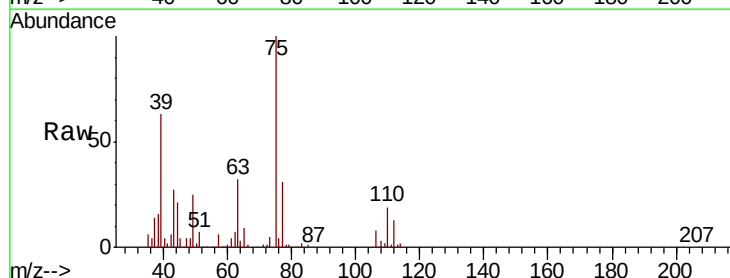
Acq: 15 Jan 2019 17:50

Tgt Ion: 63 Resp: 54229

Ion Ratio Lower Upper

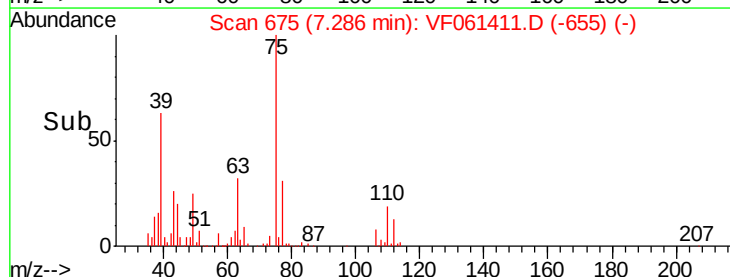
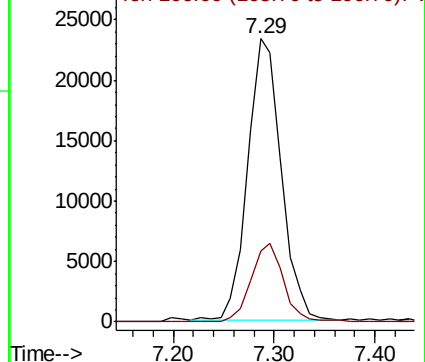
63 100

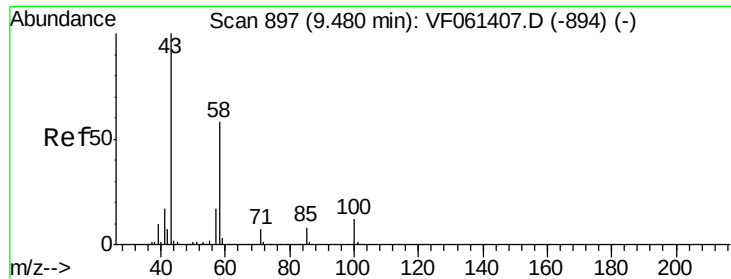
106 25.1 21.9 32.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

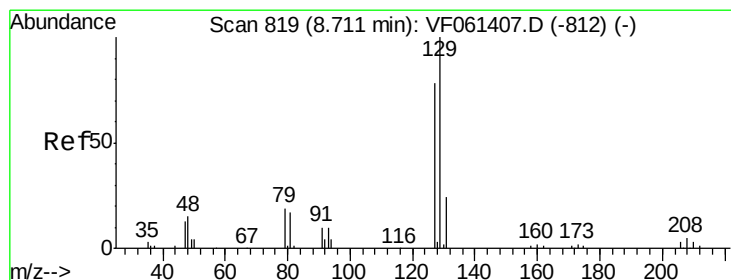
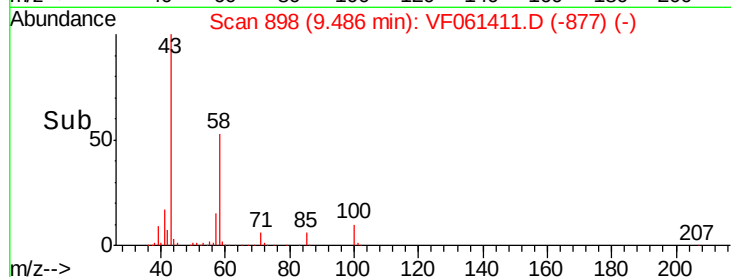
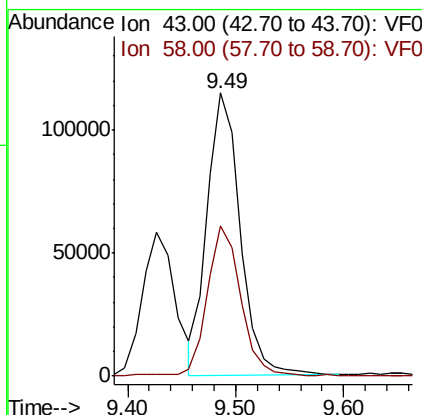
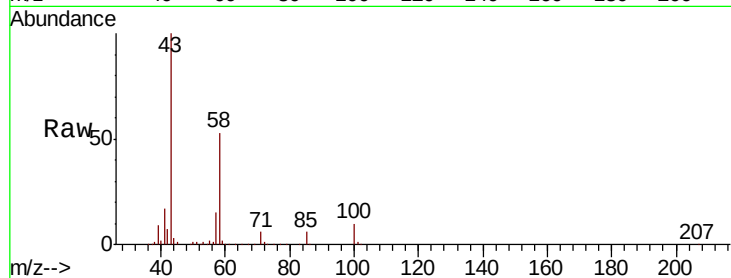




#59
2-Hexanone
Concen: 241.406 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.01 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

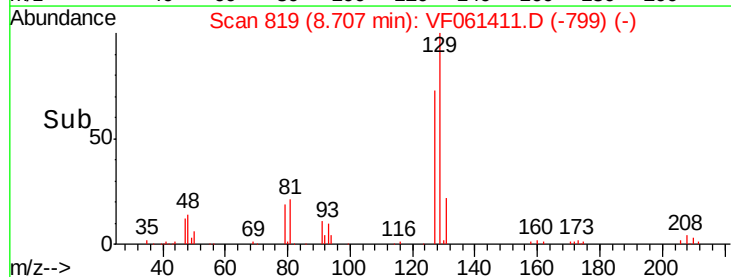
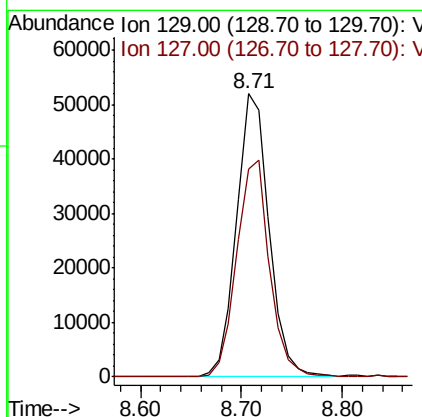
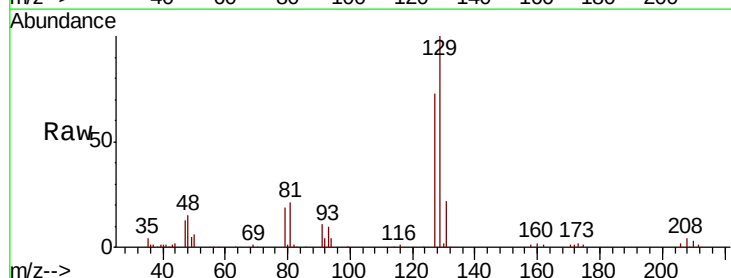
Instrument :
MSVOA_F
ClientSampleId :
ICVVF011519

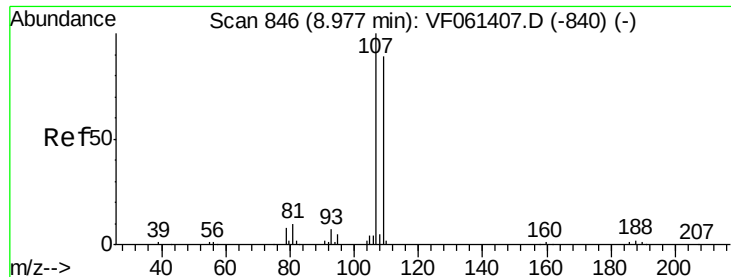
Tgt Ion: 43 Resp: 242293
Ion Ratio Lower Upper
43 100
58 53.0 25.9 77.6



#60
Dibromochloromethane
Concen: 49.392 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.00 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Tgt Ion: 129 Resp: 117259
Ion Ratio Lower Upper
129 100
127 73.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 48.101 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

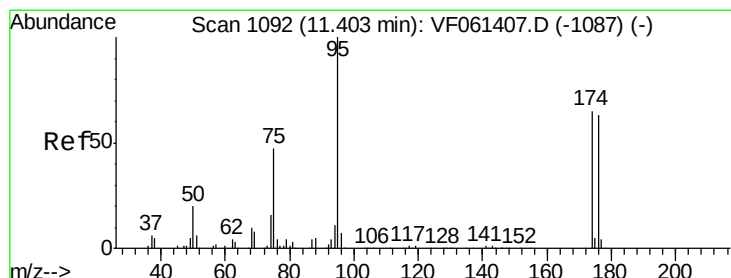
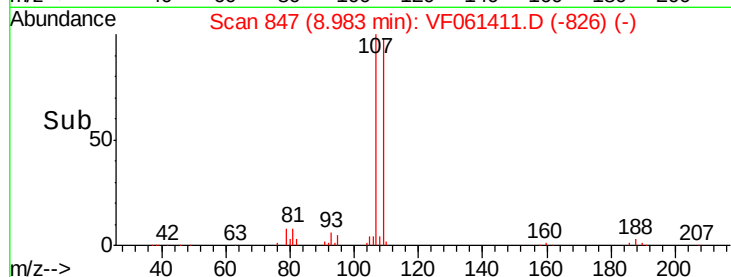
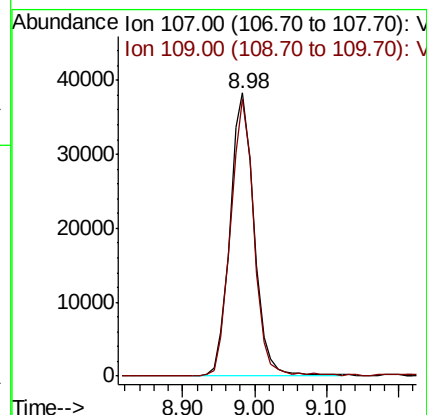
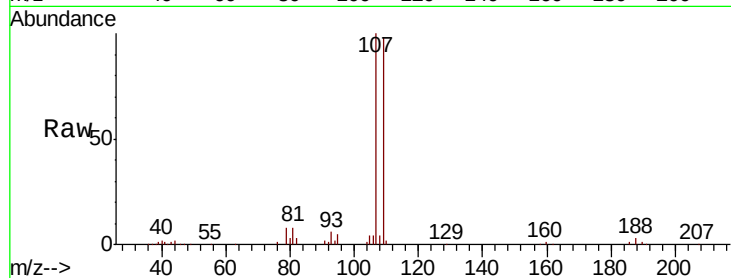
ICVVF011519

Tgt Ion: 107 Resp: 89422

Ion Ratio Lower Upper

107 100

109 98.0 70.8 106.2



#62

4-Bromofluorobenzene

Concen: 46.546 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

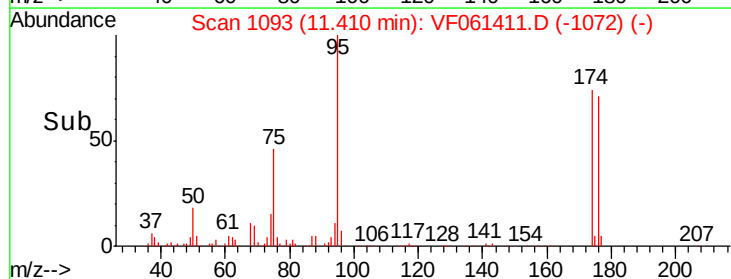
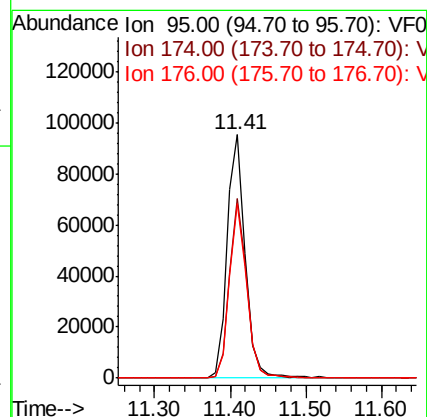
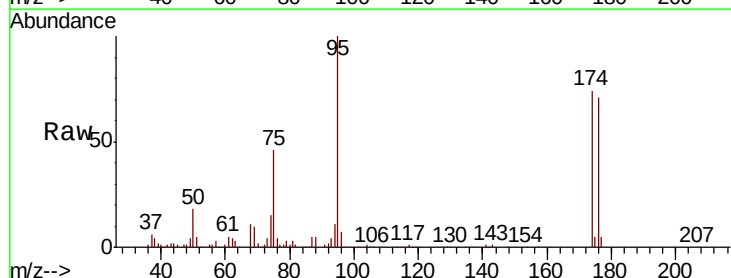
Tgt Ion: 95 Resp: 158252

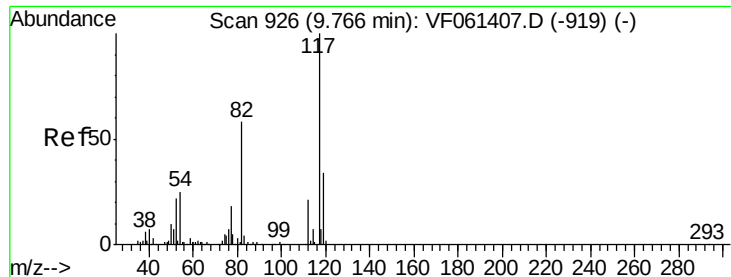
Ion Ratio Lower Upper

95 100

174 73.9 0.0 130.4

176 71.4 0.0 126.2

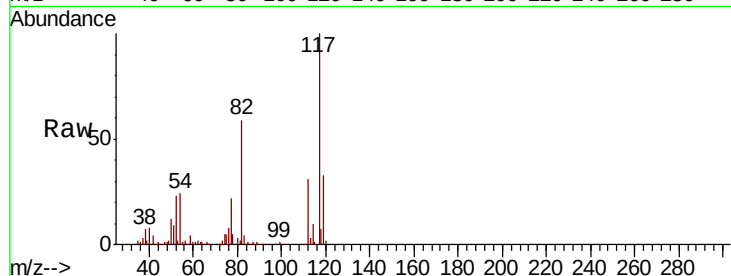




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
ICVVF011519

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.4	69.6
119	33.5	27.2	40.8

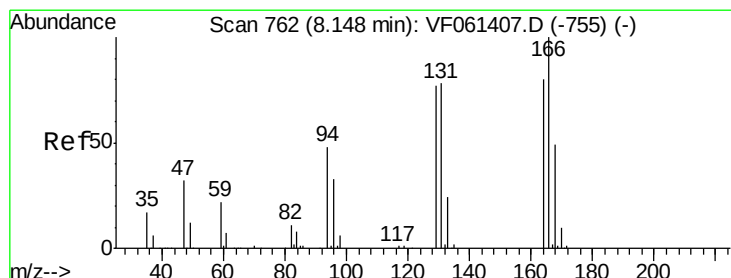
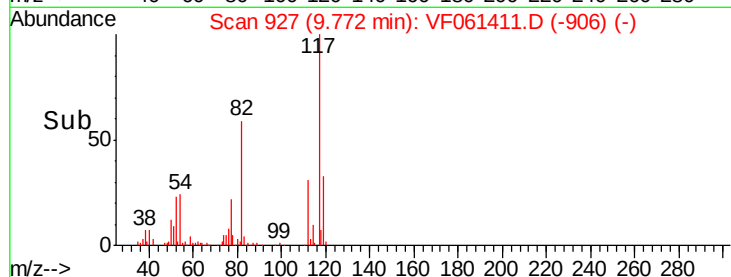
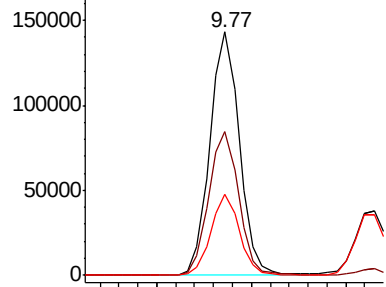


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 49.641 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	99.6	149.4
129	100.8	76.4	114.6
131	98.1	77.9	116.9

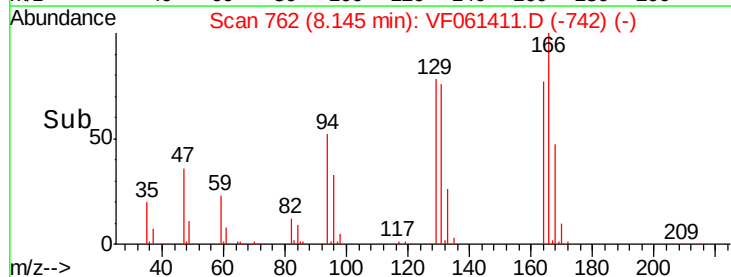
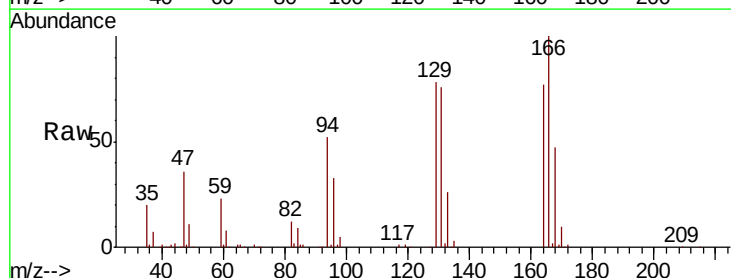
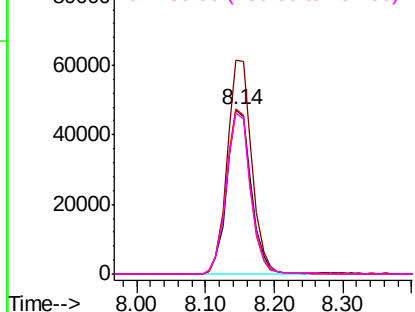
Abundance

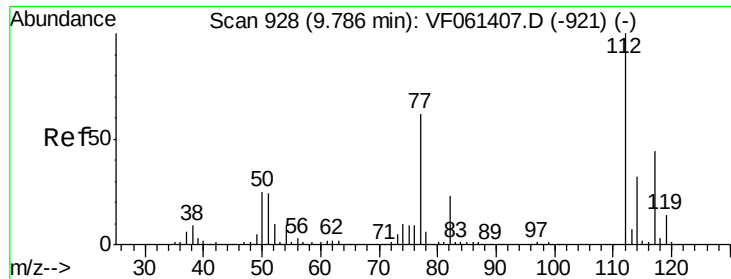
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

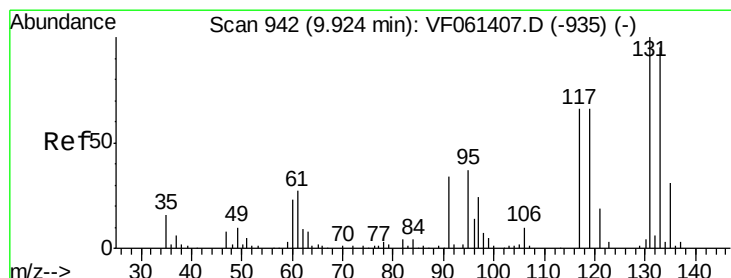
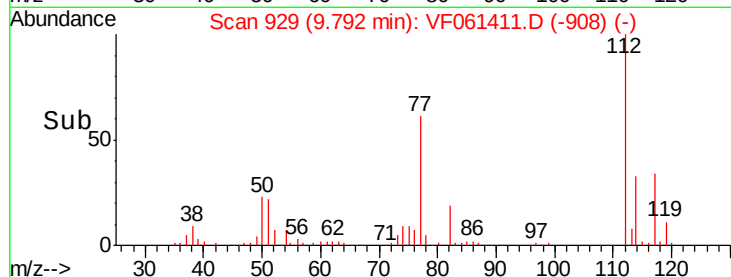
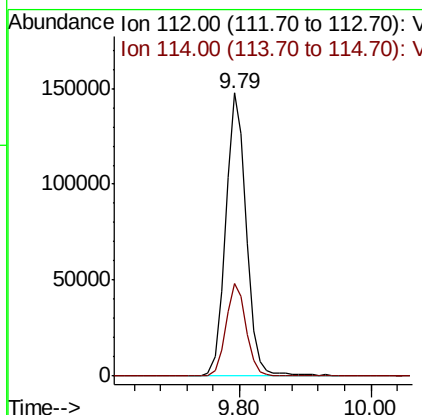
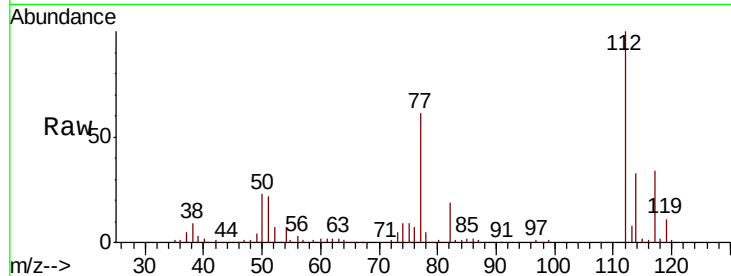




#65
Chlorobenzene
Concen: 51.157 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

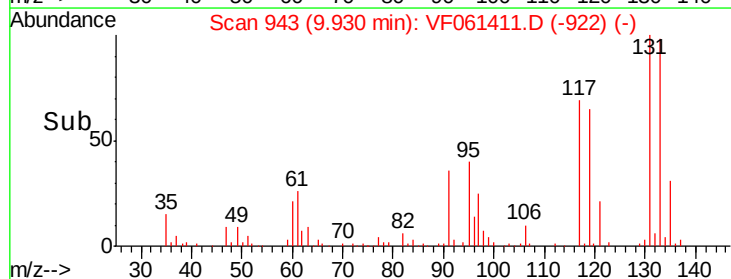
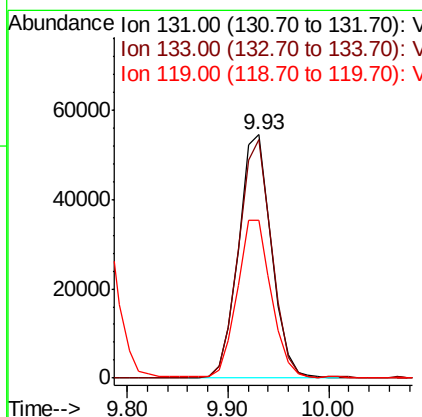
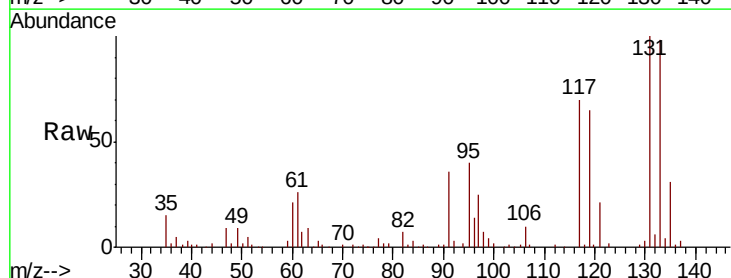
Instrument :
MSVOA_F
ClientSampleId :
ICVVF011519

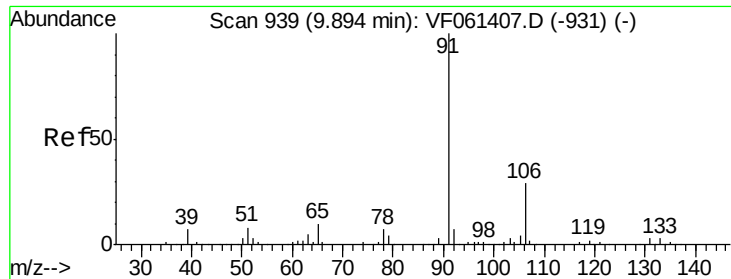
Tgt Ion:112 Resp: 323727
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.410 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Tgt Ion:131 Resp: 124558
Ion Ratio Lower Upper
131 100
133 98.2 47.4 142.2
119 65.0 33.1 99.3

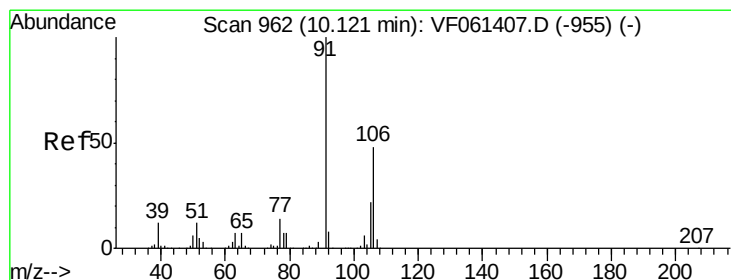
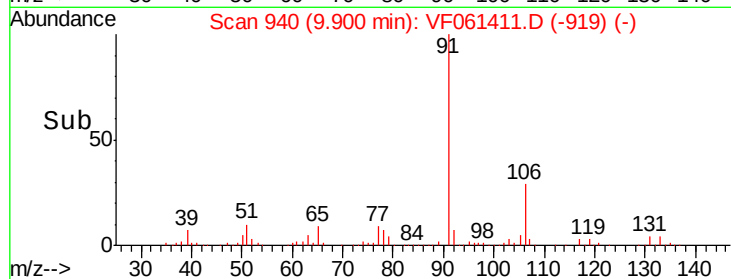
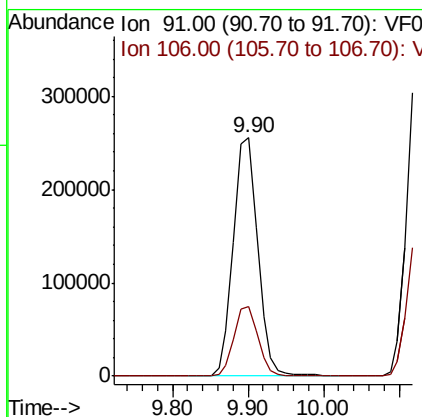
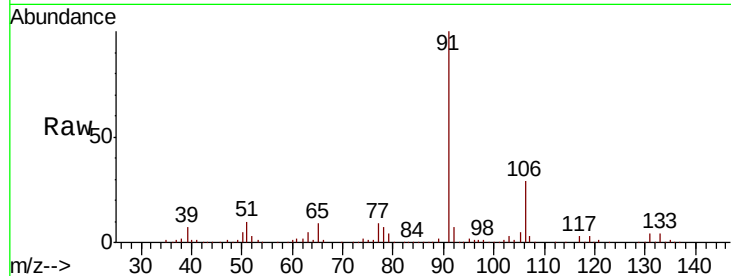




#67
 Ethyl Benzene
 Concen: 49.520 ug/l
 RT: 9.90 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

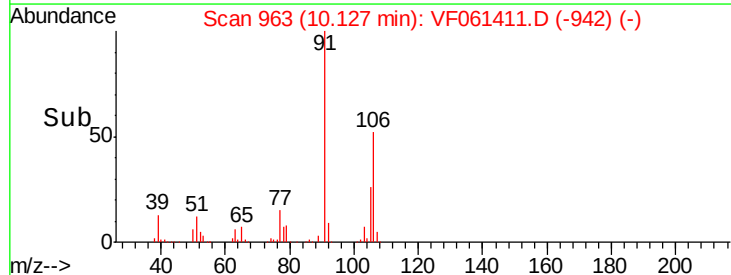
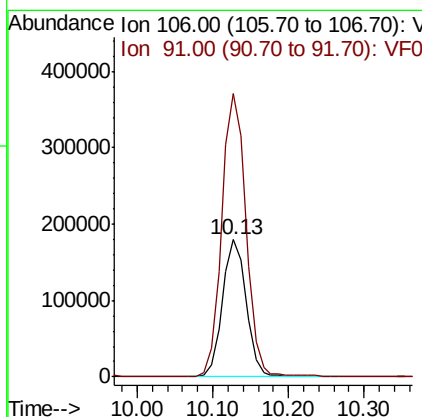
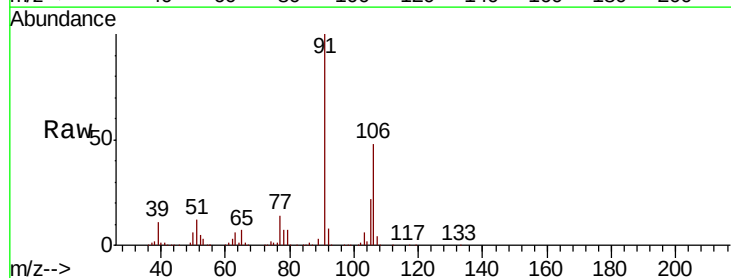
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF011519

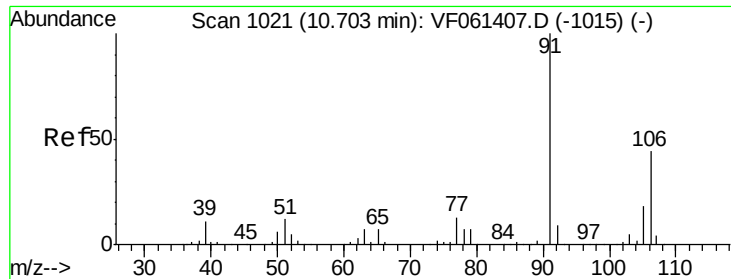
Tgt Ion: 91 Resp: 572539
 Ion Ratio Lower Upper
 91 100
 106 29.0 23.1 34.7



#68
 m/p-Xylenes
 Concen: 94.775 ug/l
 RT: 10.13 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

Tgt Ion: 106 Resp: 394116
 Ion Ratio Lower Upper
 106 100
 91 206.8 166.2 249.4

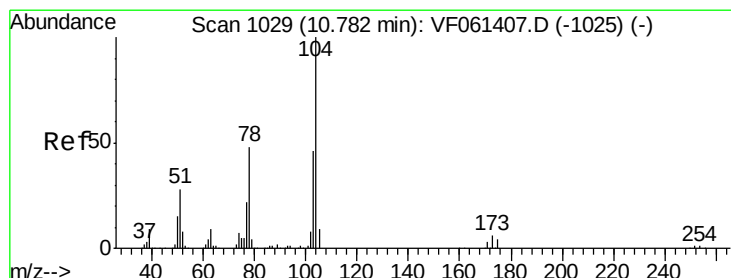
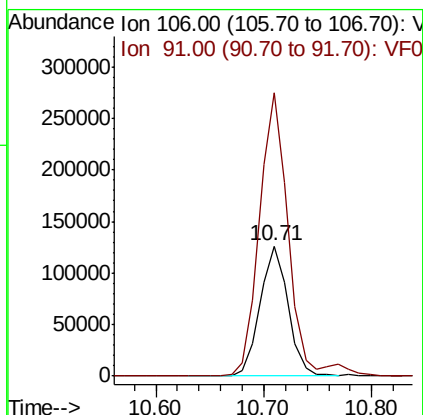
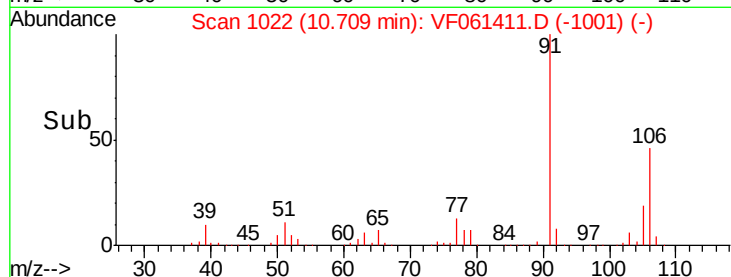
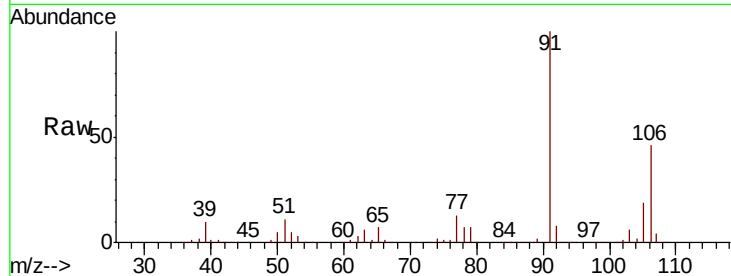




#69
o-Xylene
Concen: 51.247 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

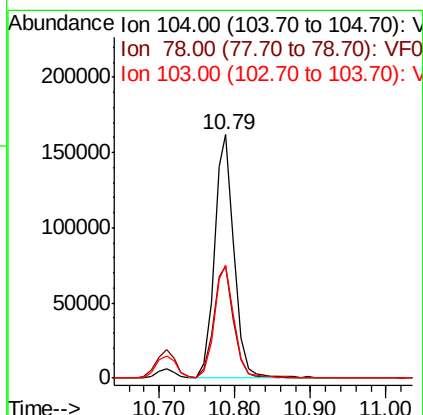
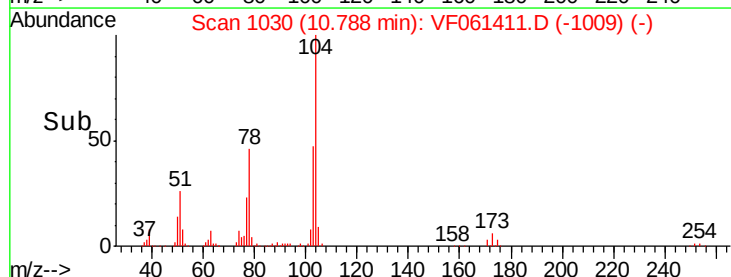
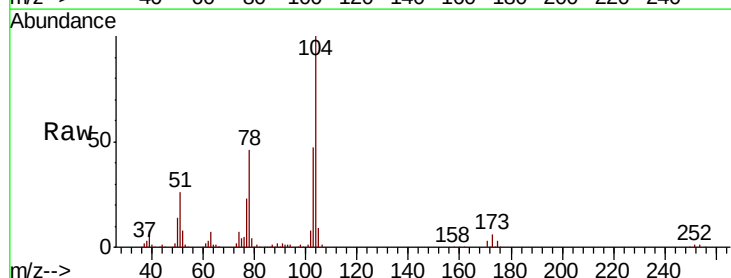
Instrument :
MSVOA_F
ClientSampleId :
ICVVF011519

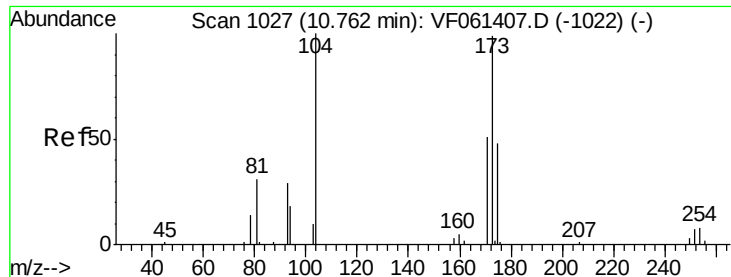
Tgt Ion:106 Resp: 230970
Ion Ratio Lower Upper
106 100
91 218.1 113.3 339.8



#70
Styrene
Concen: 47.548 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Tgt Ion:104 Resp: 293340
Ion Ratio Lower Upper
104 100
78 45.9 38.8 58.2
103 46.5 37.0 55.6





#71

Bromoform

Concen: 49.006 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

ICVVF011519

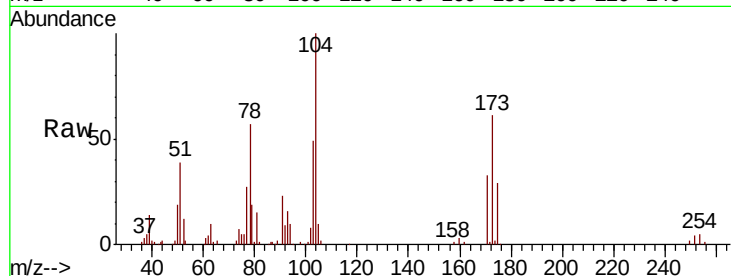
Tgt Ion:173 Resp: 55508

Ion Ratio Lower Upper

173 100

175 47.3 24.1 72.4

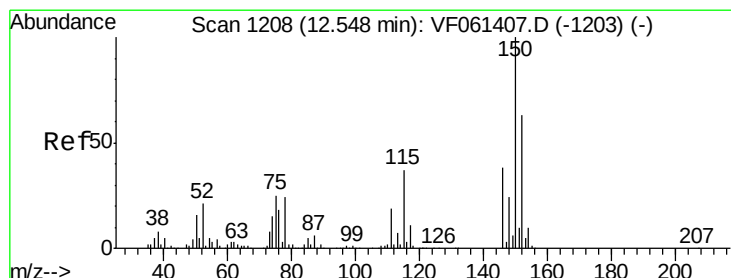
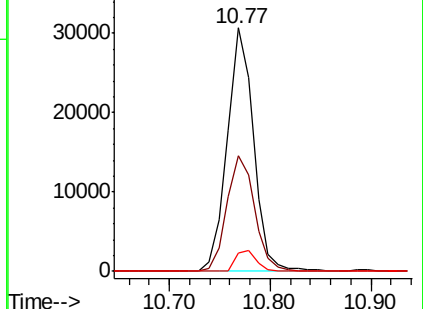
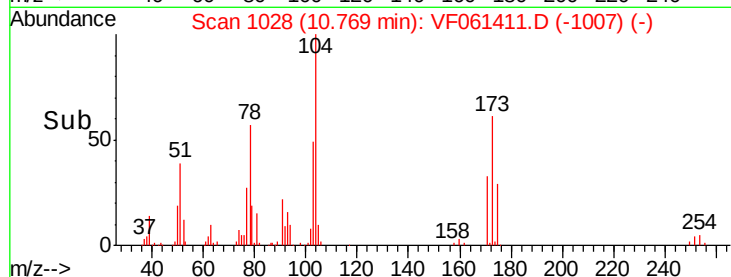
254 7.5 0.0 0.0#



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. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

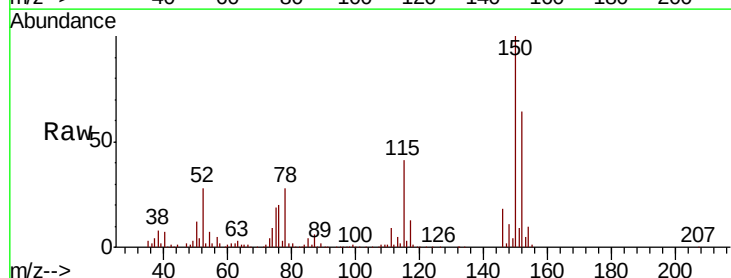
Tgt Ion:152 Resp: 147293

Ion Ratio Lower Upper

152 100

115 63.8 30.0 90.0

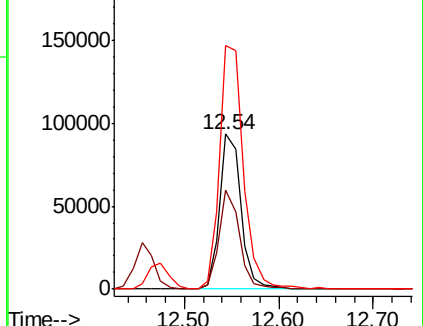
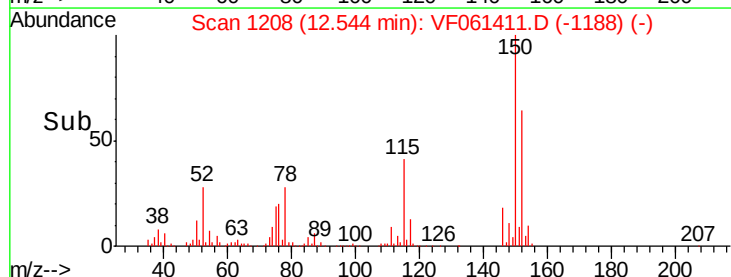
150 156.8 0.0 321.4

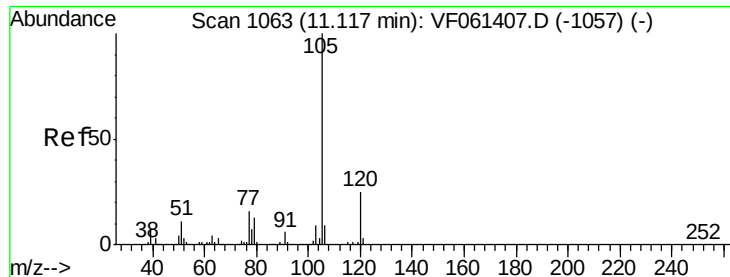


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 52.981 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

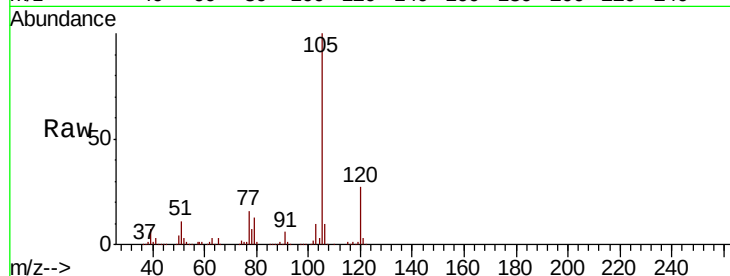
ICVVF011519

Tgt Ion: 105 Resp: 634688

Ion Ratio Lower Upper

105 100

120 26.9 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.12

400000

300000

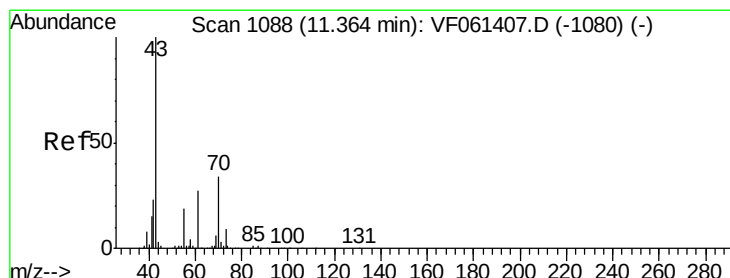
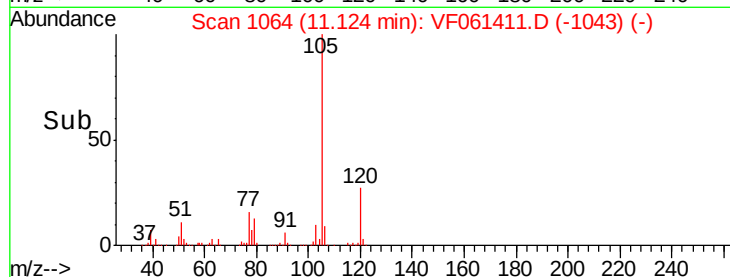
200000

100000

0

Time-->

11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 54.459 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Tgt Ion: 43 Resp: 154268

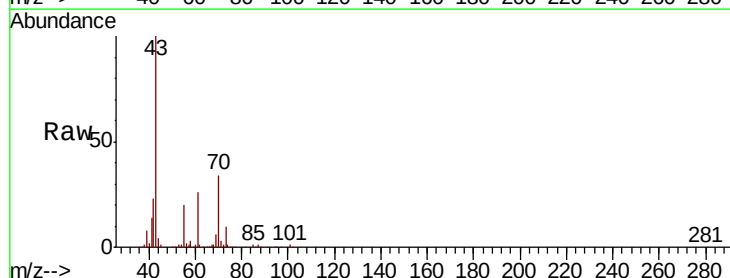
Ion Ratio Lower Upper

43 100

70 34.1 27.6 41.4

55 20.0 15.4 23.2

61 26.3 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

150000

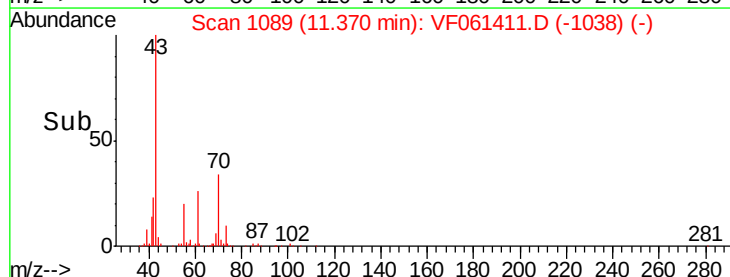
100000

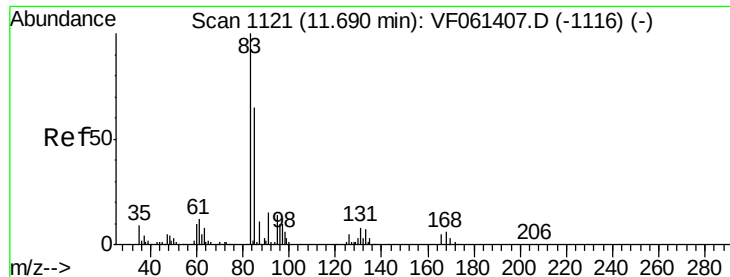
50000

0

Time-->

11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 50.517 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

ICVVF011519

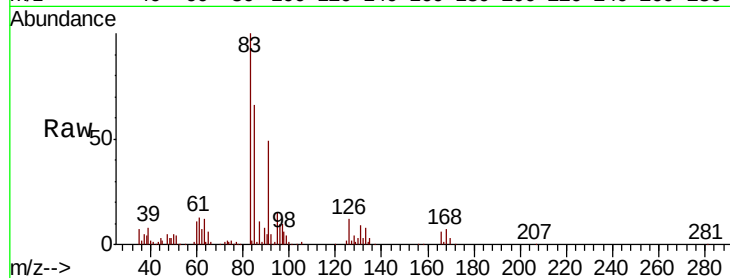
Tgt Ion: 83 Resp: 107810

Ion Ratio Lower Upper

83 100

131 9.2 4.0 12.2

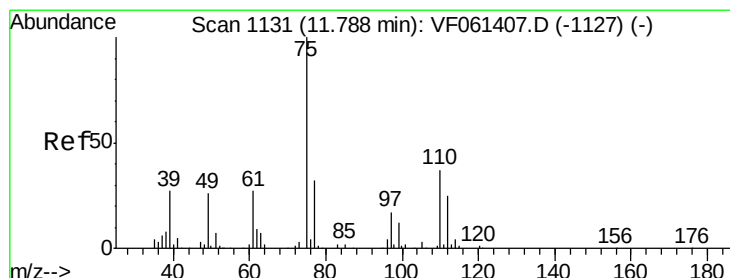
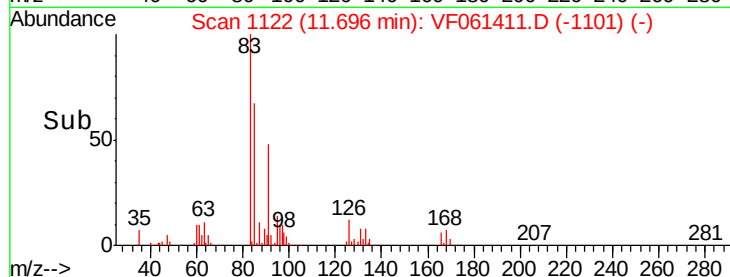
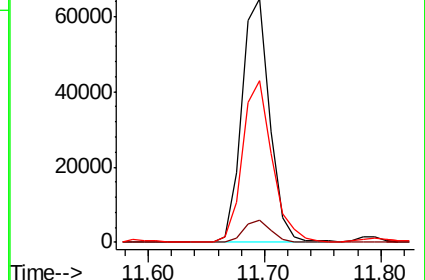
85 66.5 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 49.709 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF061411.D

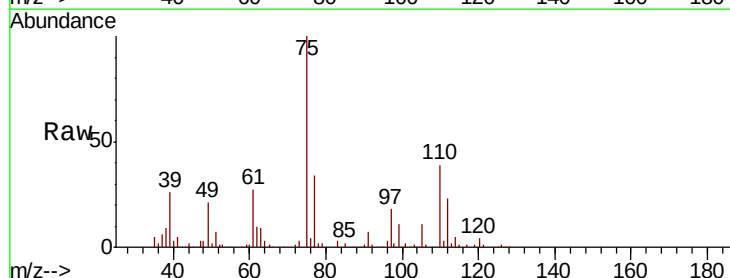
Acq: 15 Jan 2019 17:50

Tgt Ion: 75 Resp: 76227

Ion Ratio Lower Upper

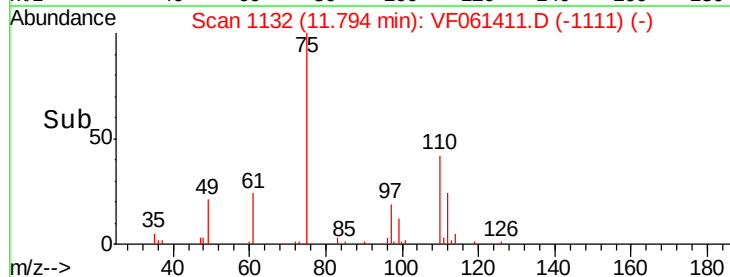
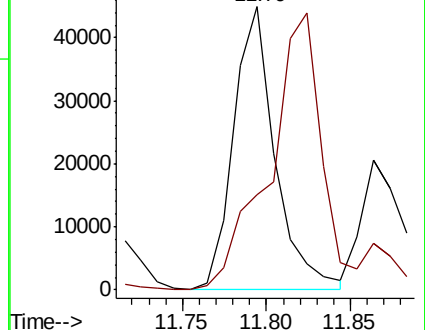
75 100

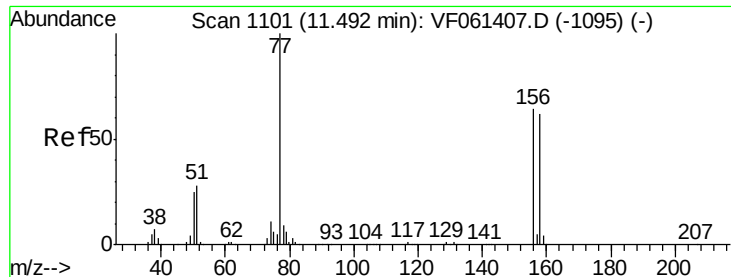
77 33.8 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.750 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

ICVVF011519

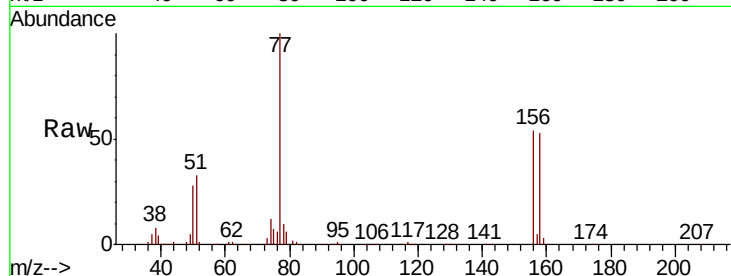
Tgt Ion:156 Resp: 138517

Ion Ratio Lower Upper

156 100

77 186.4 78.3 234.9

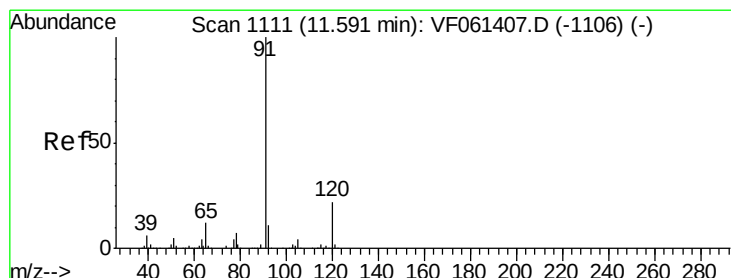
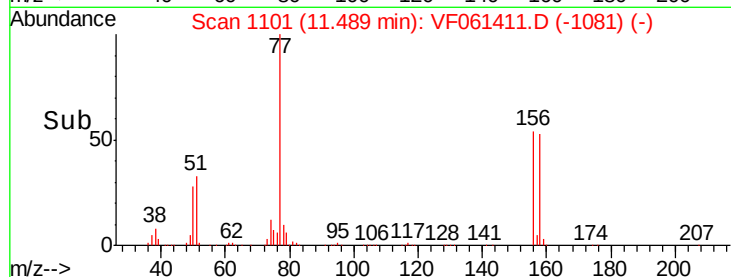
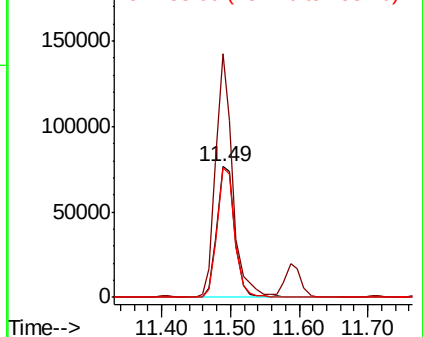
158 98.8 48.9 146.7



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: 50.561 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061411.D

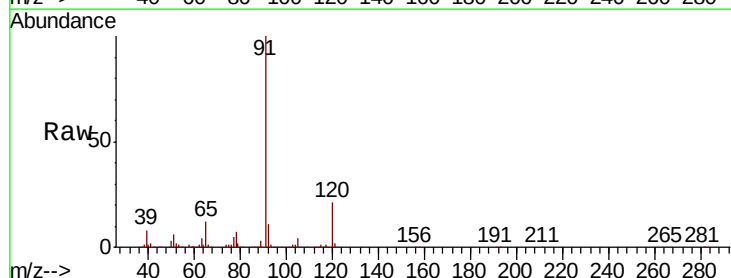
Acq: 15 Jan 2019 17:50

Tgt Ion: 91 Resp: 736692

Ion Ratio Lower Upper

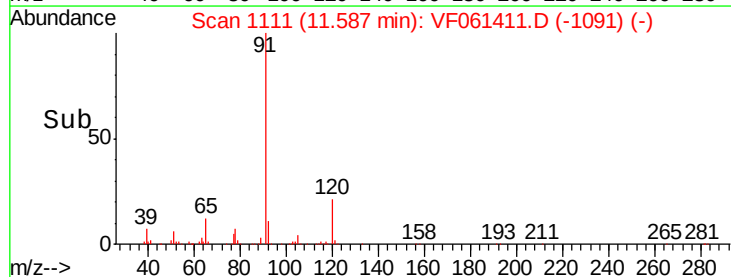
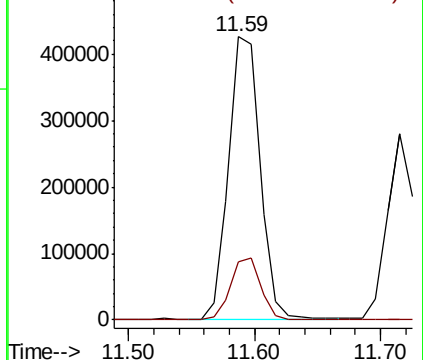
91 100

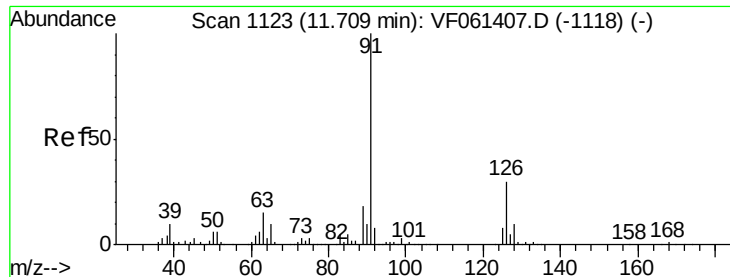
120 20.7 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.607 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

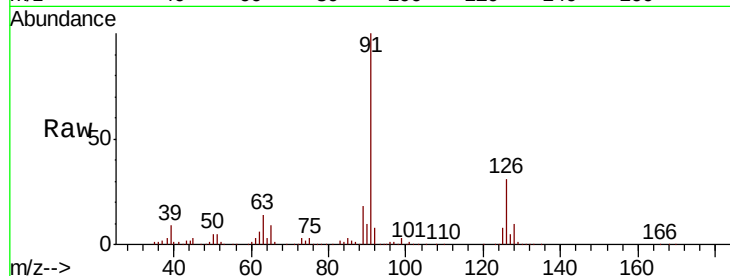
ICVVF011519

Tgt Ion: 91 Resp: 428948

Ion Ratio Lower Upper

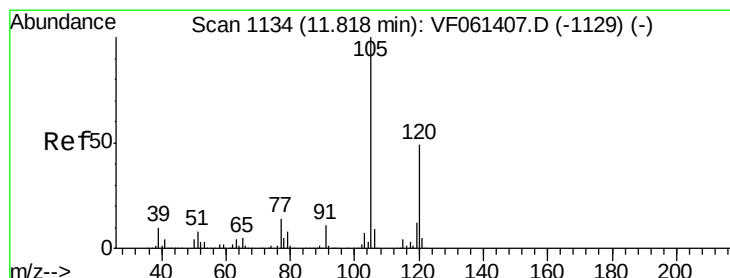
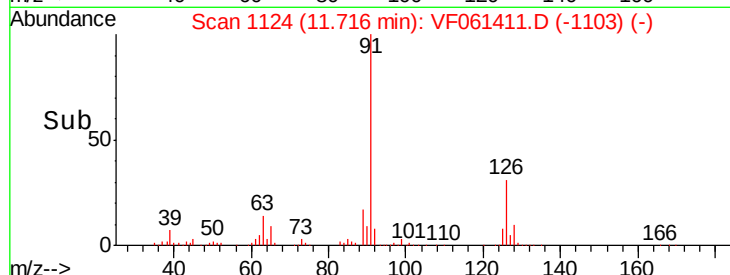
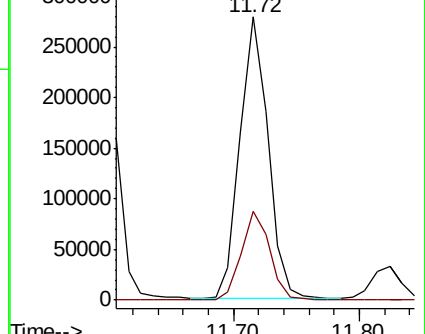
91 100

126 31.3 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: 51.620 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF061411.D

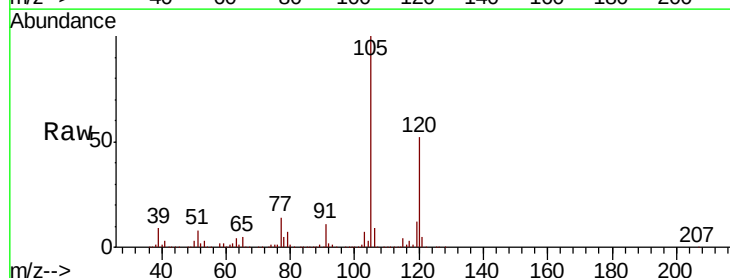
Acq: 15 Jan 2019 17:50

Tgt Ion: 105 Resp: 499043

Ion Ratio Lower Upper

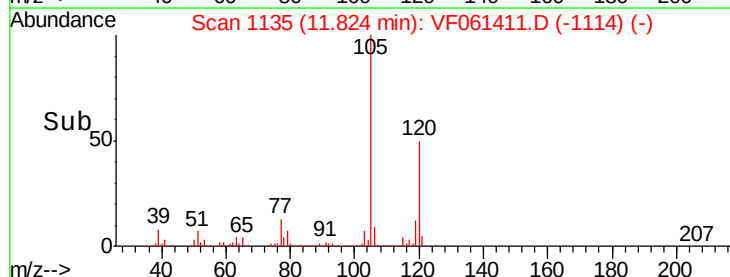
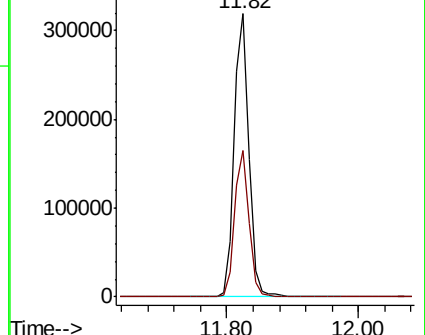
105 100

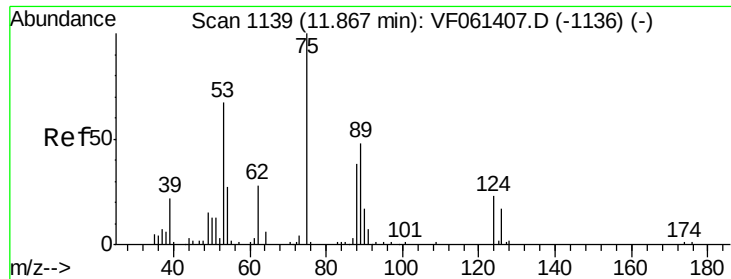
120 51.6 24.7 74.1



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: 68.315 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

ICVVF011519

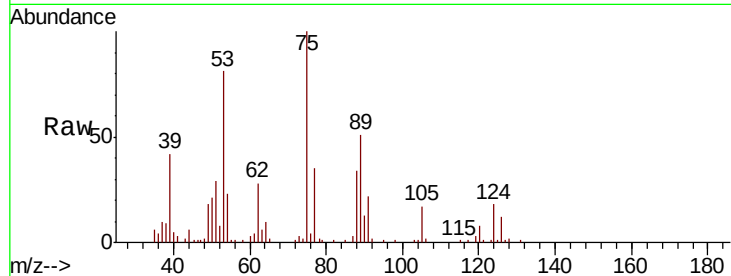
Tgt Ion: 75 Resp: 45540

Ion Ratio Lower Upper

75 100

53 80.8 57.8 86.6

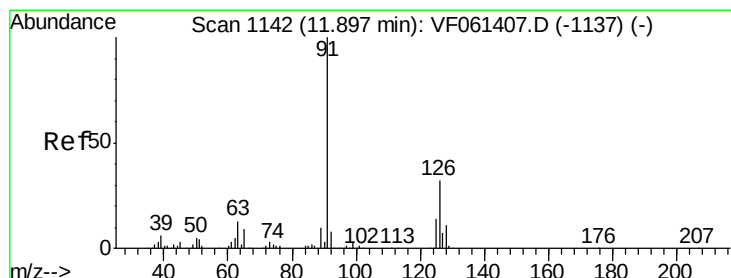
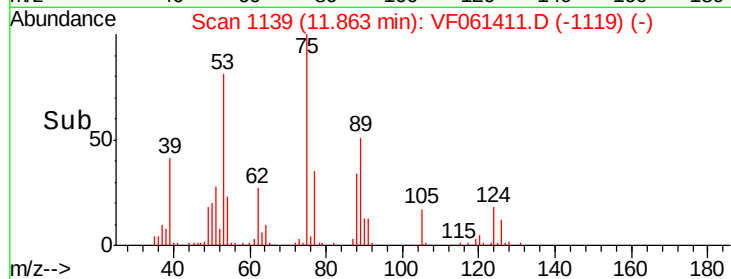
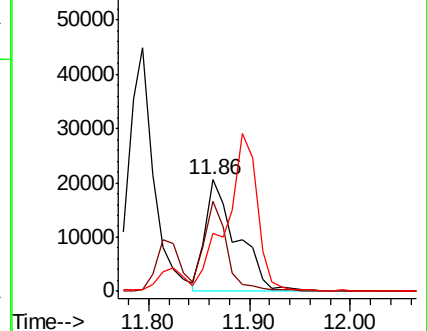
89 51.4 40.7 61.1



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: 51.158 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF061411.D

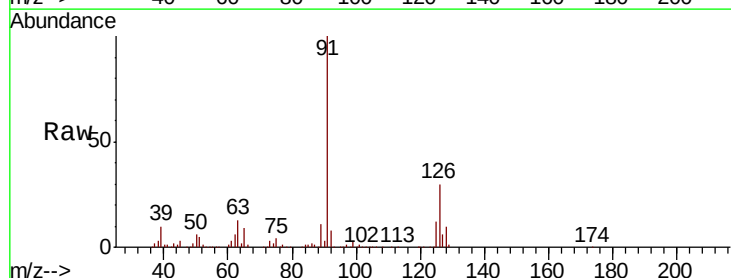
Acq: 15 Jan 2019 17:50

Tgt Ion: 91 Resp: 429087

Ion Ratio Lower Upper

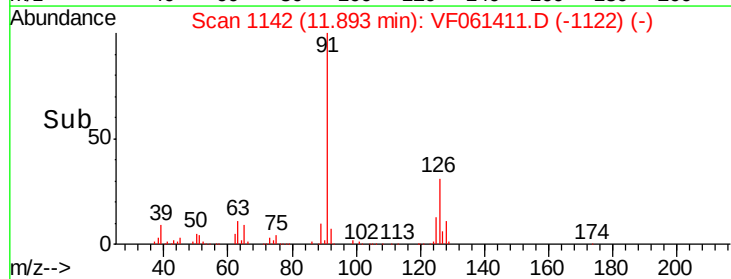
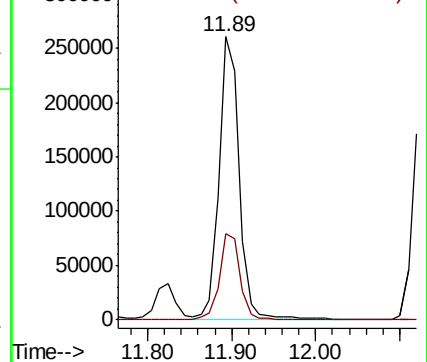
91 100

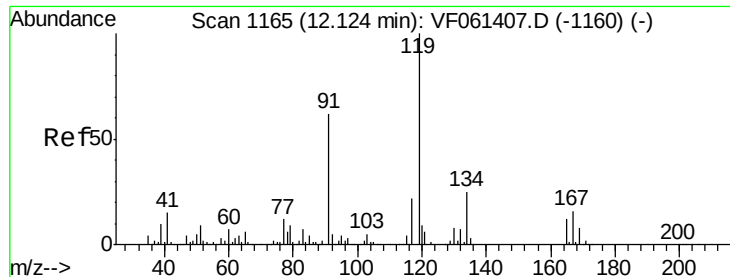
126 30.4 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

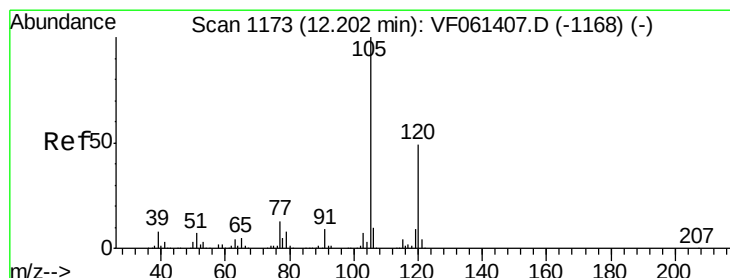
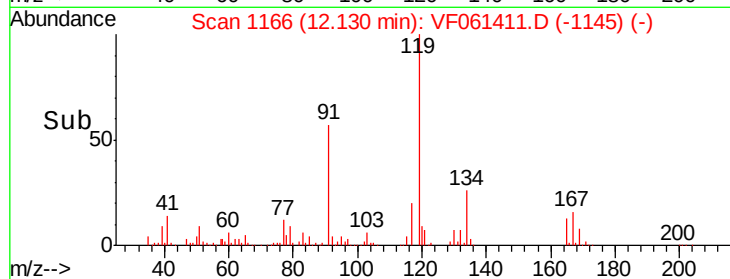
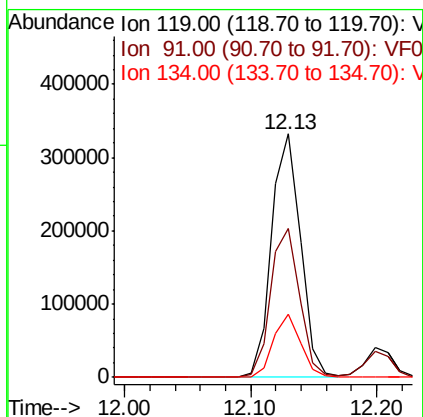
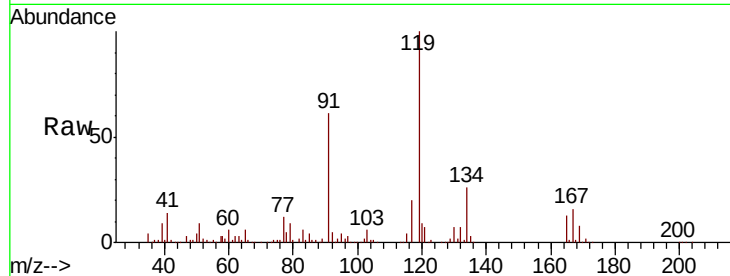




#83
 tert-Butylbenzene
 Concen: 53.399 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

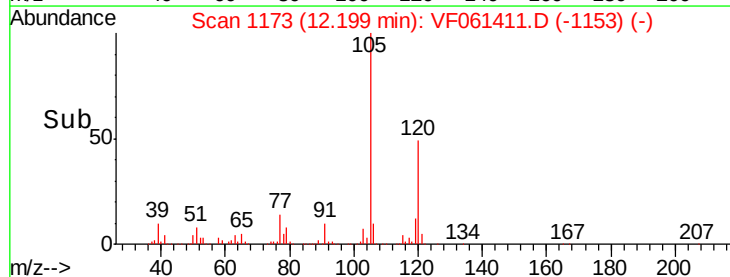
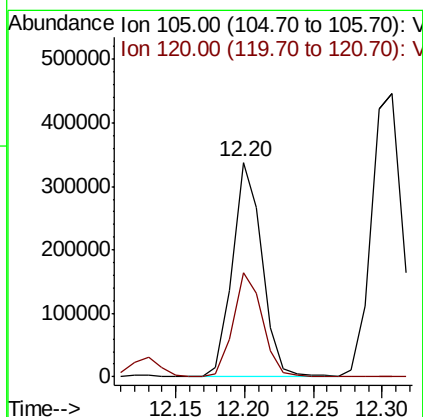
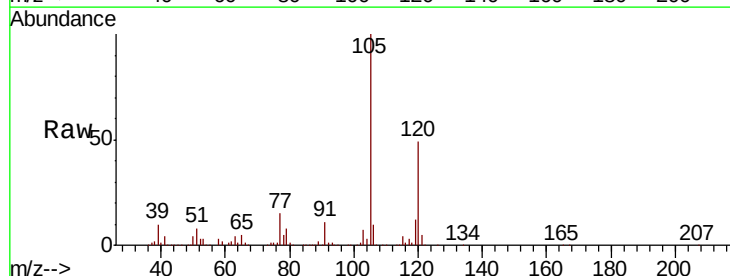
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF011519

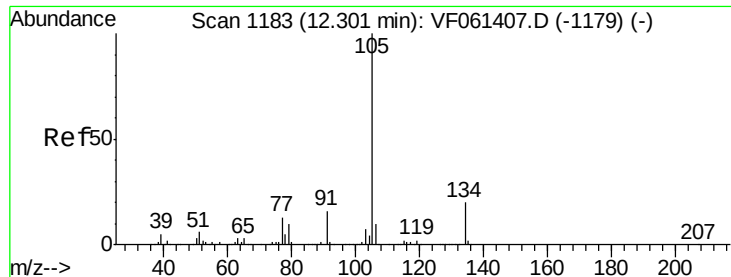
Tgt Ion:119 Resp: 534330
 Ion Ratio Lower Upper
 119 100
 91 61.4 31.3 93.8
 134 26.1 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.867 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

Tgt Ion:105 Resp: 506545
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.9 74.6





#85

sec-Butylbenzene

Concen: 52.062 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

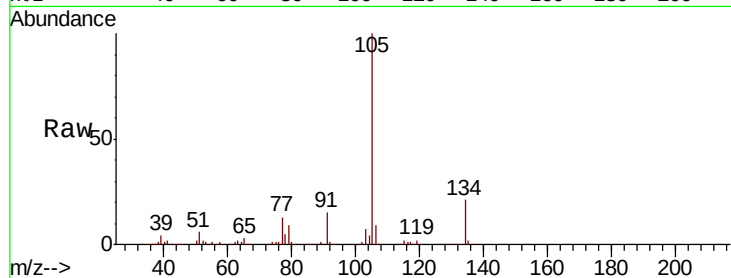
ICVVF011519

Tgt Ion:105 Resp: 707465

Ion Ratio Lower Upper

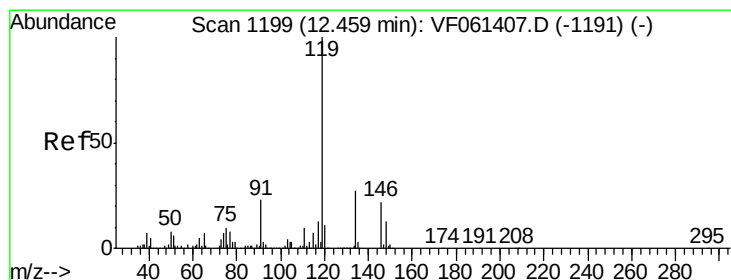
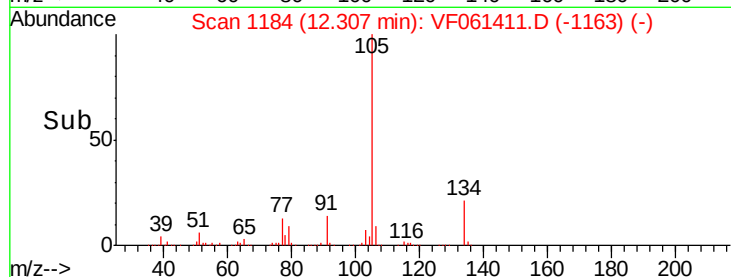
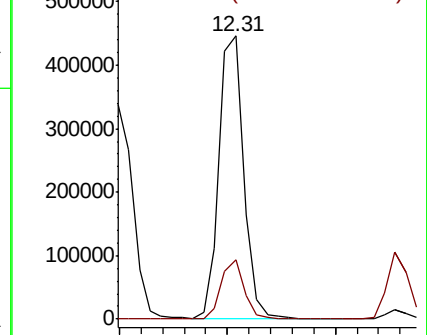
105 100

134 20.8 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.029 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

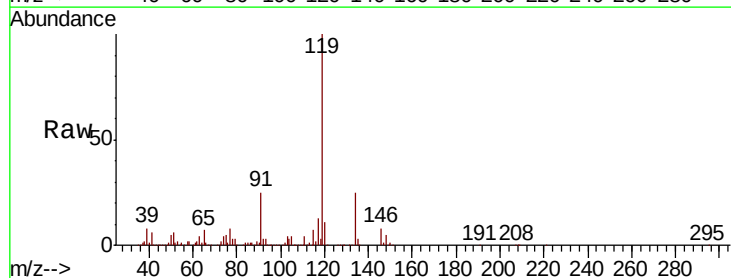
Tgt Ion:119 Resp: 580382

Ion Ratio Lower Upper

119 100

134 25.4 13.4 40.2

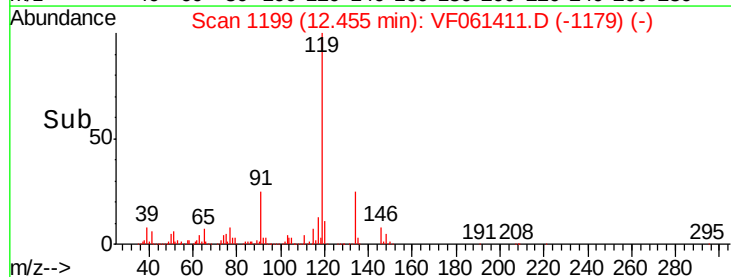
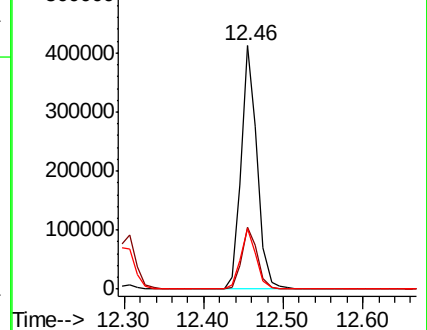
91 24.9 11.4 34.2

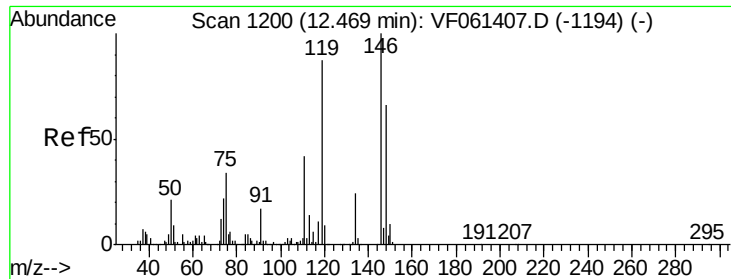


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

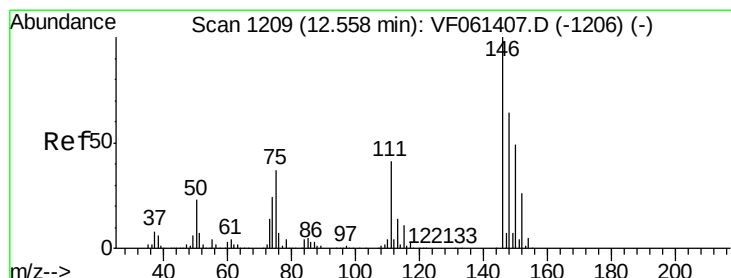
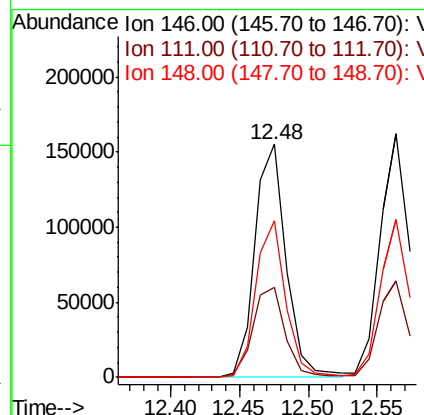
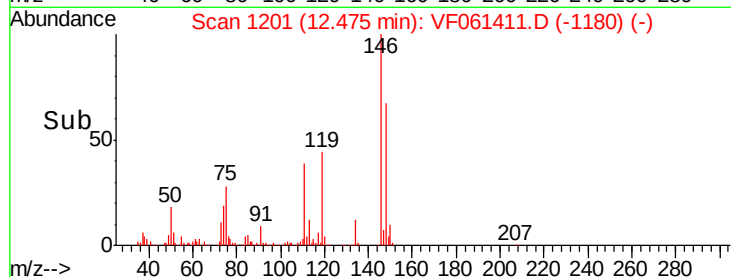
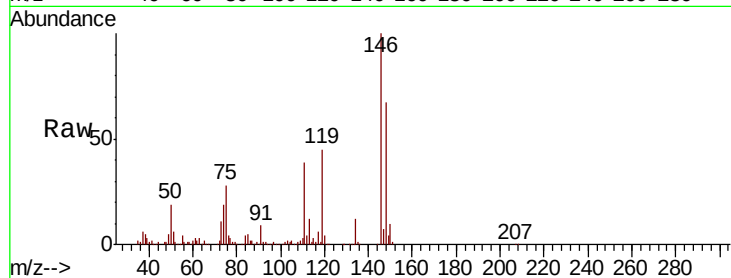




#87
 1,3-Dichlorobenzene
 Concen: 49.206 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

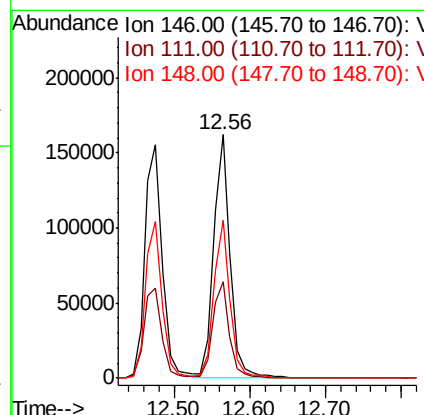
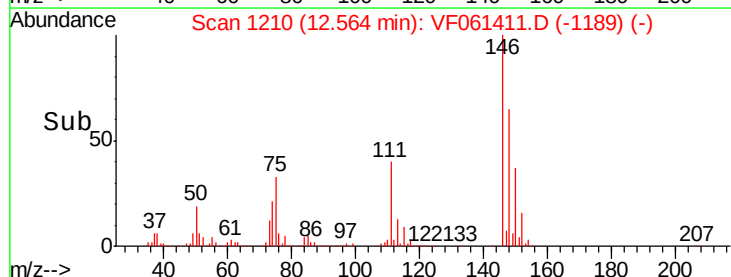
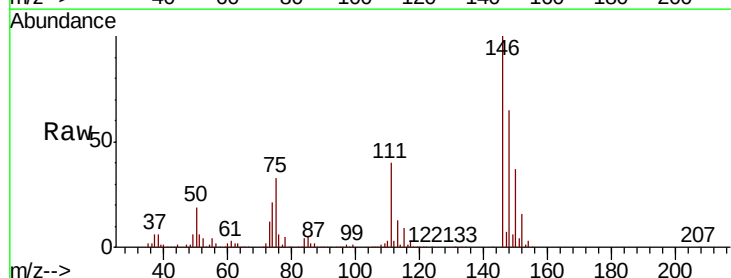
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV011519

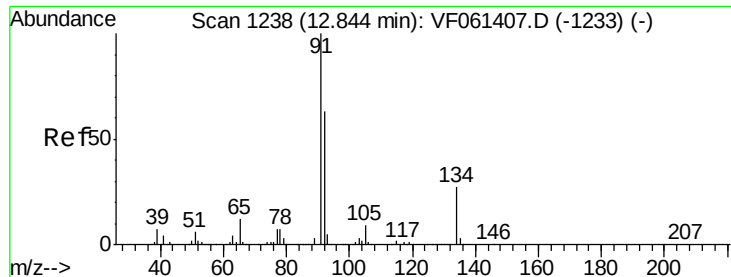
Tgt Ion:146 Resp: 247908
 Ion Ratio Lower Upper
 146 100
 111 38.8 21.1 63.4
 148 67.3 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 51.891 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

Tgt Ion:146 Resp: 248080
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.8 62.2
 148 65.0 32.1 96.5





#89

n-Butylbenzene

Concen: 51.458 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF061411.D

Acq: 15 Jan 2019 17:50

Instrument :

MSVOA_F

ClientSampleId :

ICVVF011519

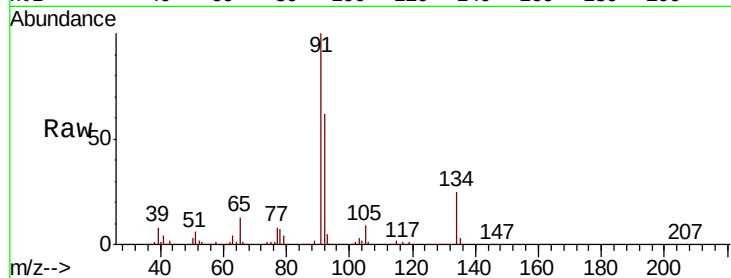
Tgt Ion: 91 Resp: 591985

Ion Ratio Lower Upper

91 100

92 62.4 31.6 94.7

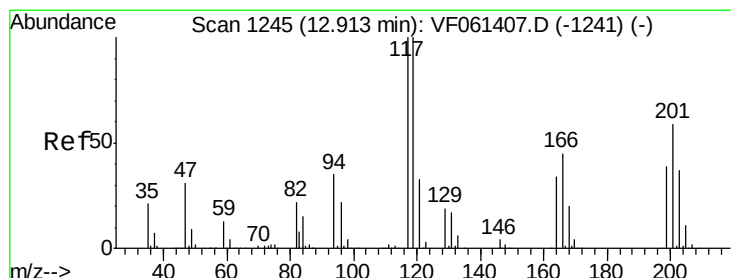
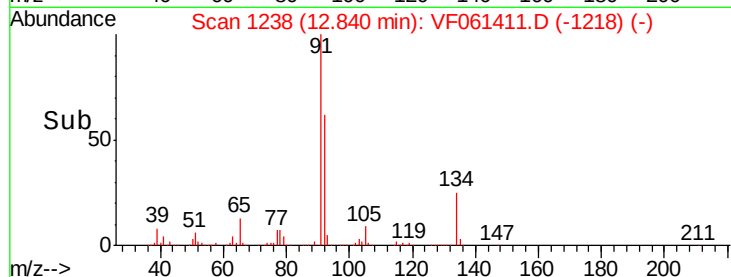
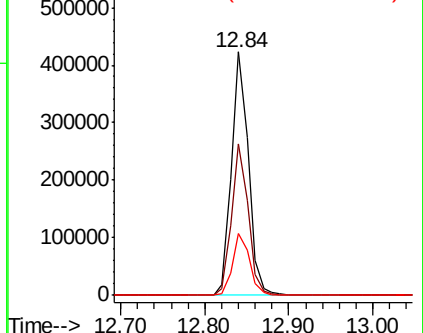
134 25.2 13.6 40.8



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: 53.503 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VF061411.D

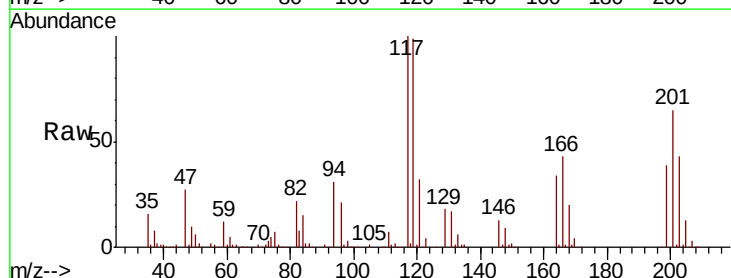
Acq: 15 Jan 2019 17:50

Tgt Ion: 117 Resp: 140686

Ion Ratio Lower Upper

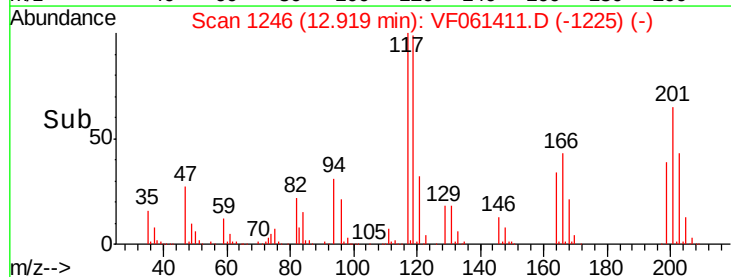
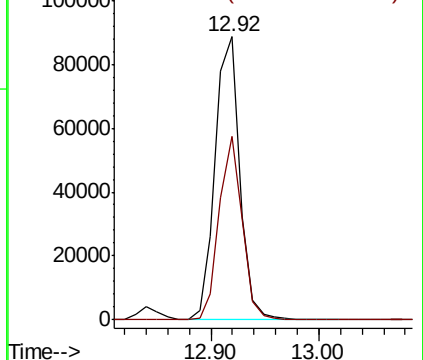
117 100

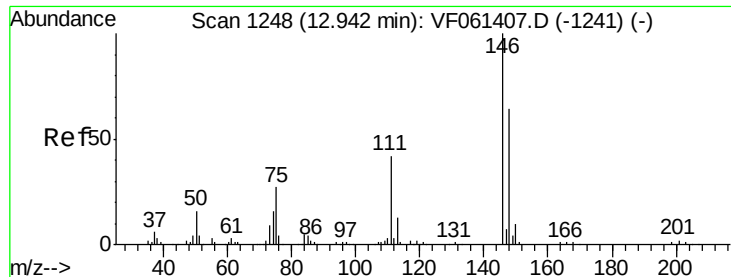
201 64.8 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

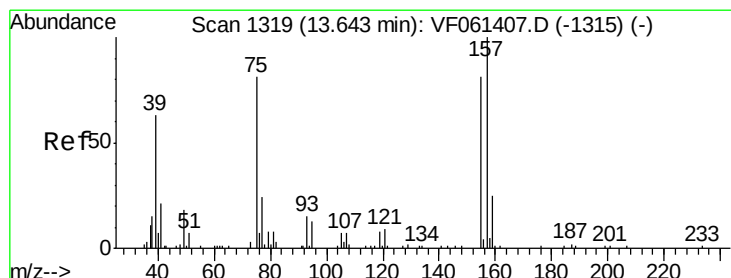
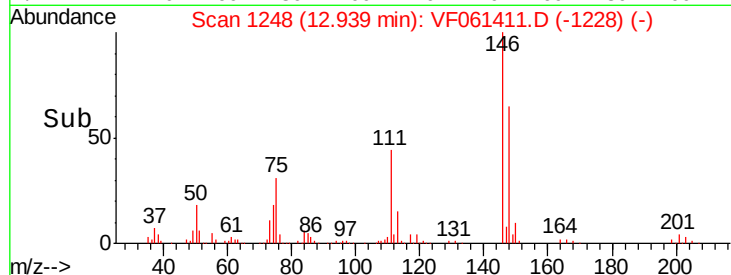
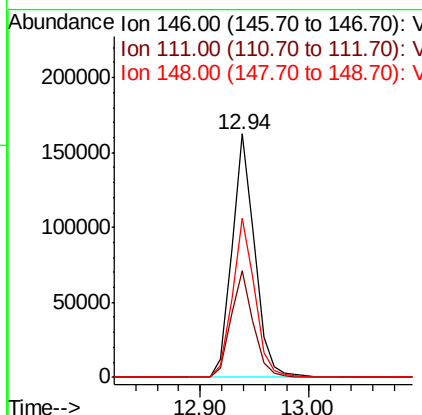
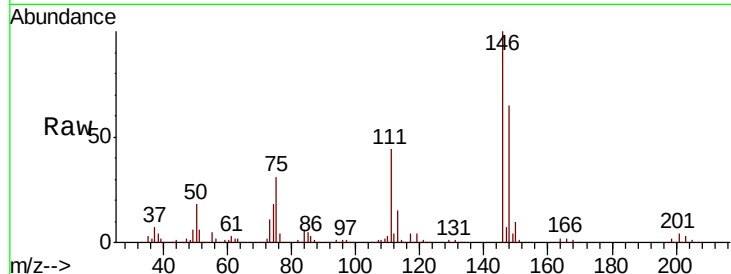




#91
 1,2-Dichlorobenzene
 Concen: 50.182 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

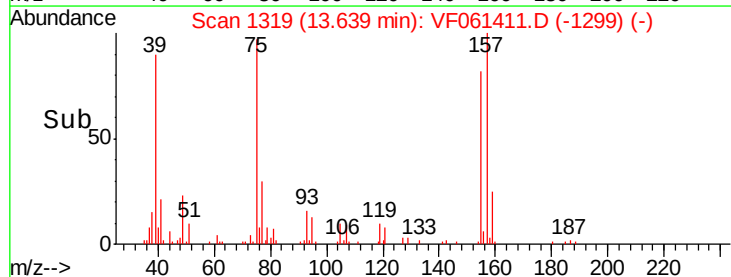
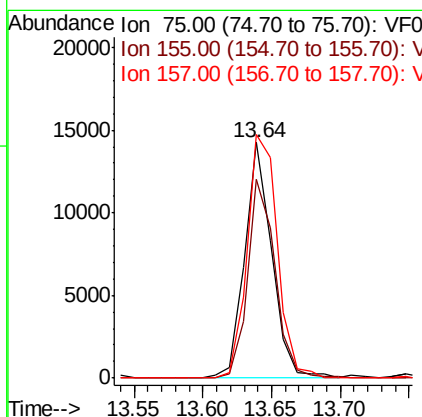
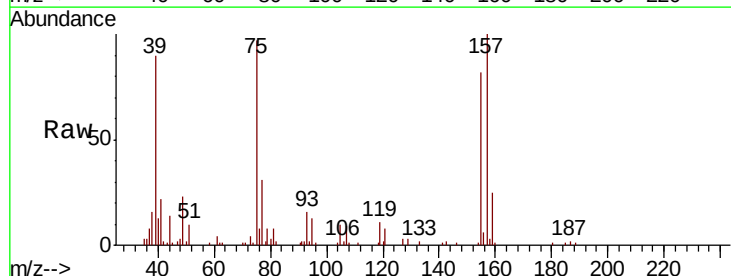
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF011519

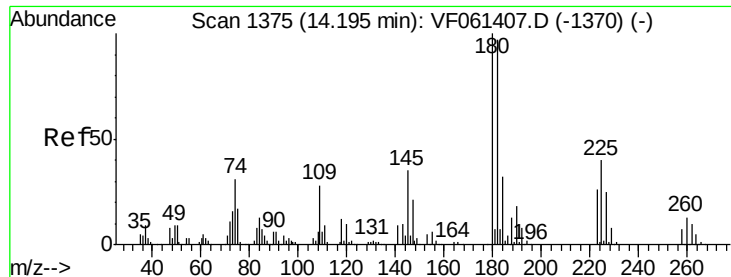
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.3
148	65.4	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.845 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	49.7	149.1
157	103.3	61.4	184.1

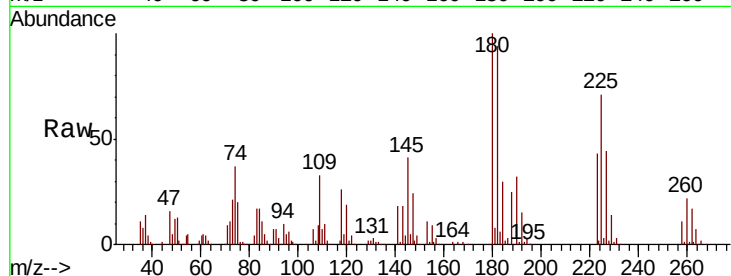




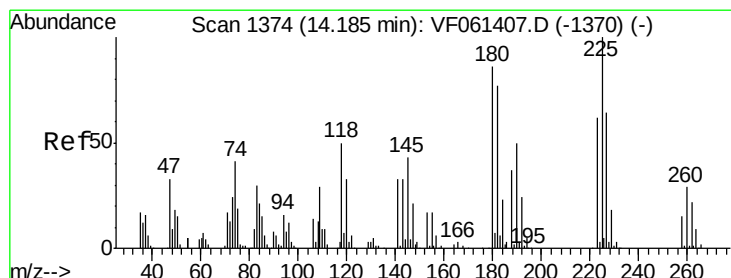
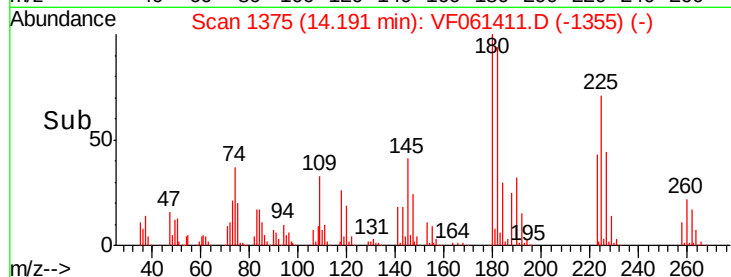
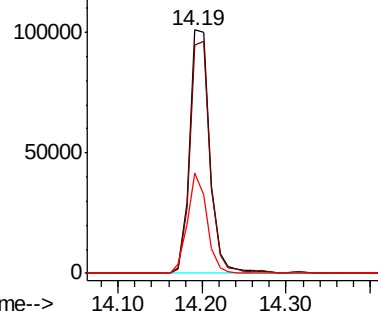
#93
 1,2,4-Trichlorobenzene
 Concen: 51.161 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV011519

Tgt Ion:180 Resp: 169622
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.5 145.6
 145 41.0 17.5 52.6

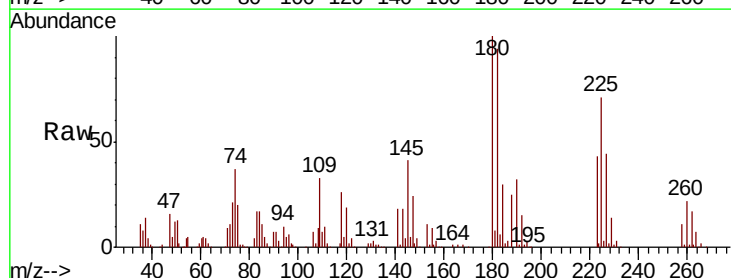


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

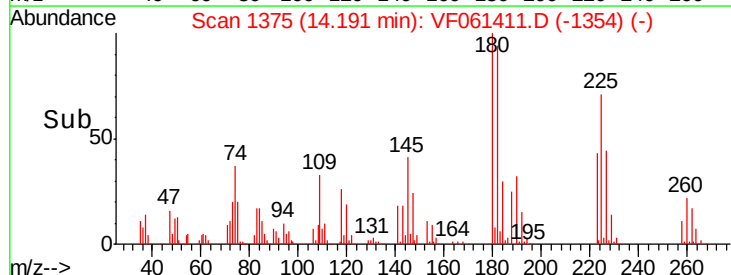
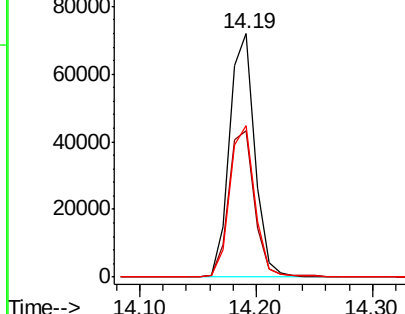


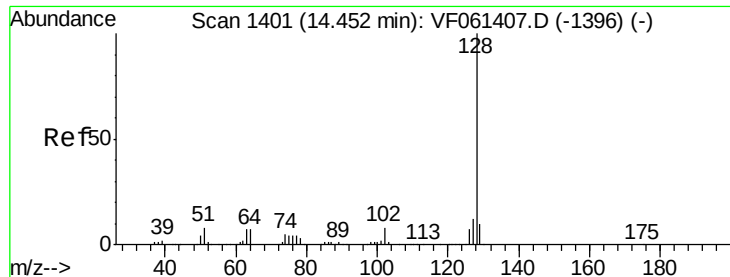
#94
 Hexachlorobutadiene
 Concen: 52.665 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061411.D
 Acq: 15 Jan 2019 17:50

Tgt Ion:225 Resp: 108348
 Ion Ratio Lower Upper
 225 100
 223 60.1 31.1 93.2
 227 62.3 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

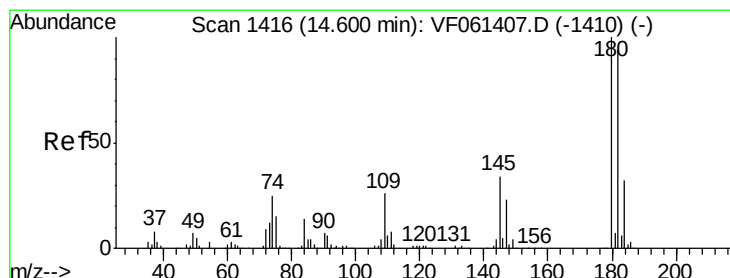
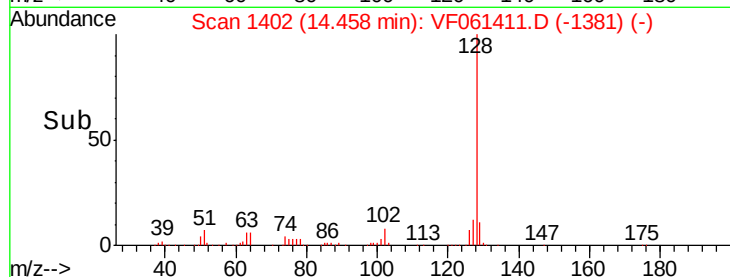
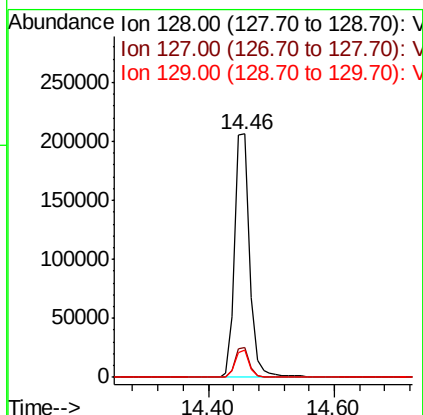
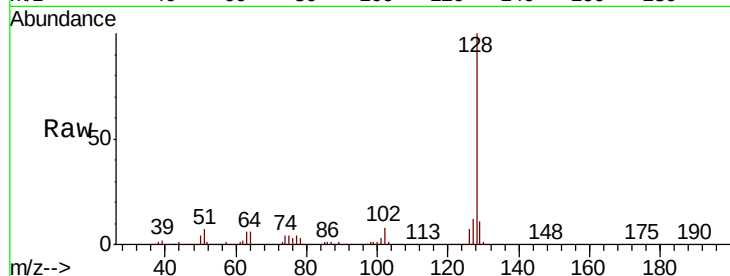




#95
Naphthalene
Concen: 53.420 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Instrument :
MSVOA_F
ClientSampleId :
ICVVF011519

Tgt Ion:128 Resp: 336495
Ion Ratio Lower Upper
128 100
127 12.1 9.5 14.3
129 11.5 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 53.962 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061411.D
Acq: 15 Jan 2019 17:50

Tgt Ion:180 Resp: 165615
Ion Ratio Lower Upper
180 100
182 94.9 47.0 141.2
145 35.0 17.1 51.2

