

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF011519\
 Data File : VF061407.D
 Acq On : 15 Jan 2019 15:27
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Jan 16 03:20:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	177935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	309331	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	290052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	142560	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	112027	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
35) Dibromofluoromethane	4.10	113	124120	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	7.55	98	330684	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	11.40	95	155613	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.96	85	177186	50.246	ug/l 100
3) Chloromethane	1.10	50	118498	44.327	ug/l 100
4) Vinyl Chloride	1.13	62	106924	45.408	ug/l 100
5) Bromomethane	1.33	94	75676	46.935	ug/l 100
6) Chloroethane	1.39	64	53831	50.603	ug/l 100
7) Trichlorofluoromethane	1.48	101	144060	30.727	ug/l 100
8) Diethyl Ether	1.63	74	28030	47.681	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	100974	46.093	ug/l 100
10) Methyl Iodide	1.91	142	133772	39.411	ug/l 100
11) Tert butyl alcohol	2.56	59	22634	239.761	ug/l 100
12) 1,1-Dichloroethene	1.80	96	75616	46.463	ug/l 100
13) Acrolein	1.99	56	20028	228.080	ug/l 100
14) Allyl chloride	2.09	41	97427	33.280	ug/l 100
15) Acrylonitrile	2.93	53	53782	218.550	ug/l 100
16) Acetone	2.23	43	106332	226.875	ug/l 100
17) Carbon Disulfide	1.83	76	167596	33.013	ug/l 100
18) Methyl Acetate	2.34	43	40809	36.903	ug/l 100
19) Methyl tert-butyl Ether	2.43	73	177104	48.826	ug/l 100
20) Methylene Chloride	2.17	84	23690	12.852	ug/l 100
21) trans-1,2-Dichloroethene	2.31	96	66009	36.509	ug/l 100
22) Diisopropyl ether	2.79	45	281906	49.512	ug/l 100
23) Vinyl Acetate	3.18	43	681618	314.653	ug/l 100
24) 1,1-Dichloroethane	2.86	63	174922	48.245	ug/l 100
25) 2-Butanone	4.32	43	178427	239.016	ug/l 100
26) 2,2-Dichloropropane	3.59	77	97255	41.638	ug/l 100
27) cis-1,2-Dichloroethene	3.46	96	128408	49.161	ug/l 100
28) Bromochloromethane	3.71	49	73871	43.767	ug/l 100
29) Tetrahydrofuran	4.06	42	80999	246.620	ug/l 100
30) Chloroform	3.85	83	241003	49.254	ug/l 100
31) Cyclohexane	3.68	56	100504	27.164	ug/l 100
32) 1,1,1-Trichloroethane	4.08	97	146933	39.488	ug/l 100
36) 1,1-Dichloropropene	4.27	75	181912	49.591	ug/l 100
37) Ethyl Acetate	4.09	43	71715	48.150	ug/l 100
38) Carbon Tetrachloride	3.98	117	146504	36.865	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	177133	43.738	ug/l	100
40) Benzene	4.63	78	381753	45.891	ug/l	100
41) Methacrylonitrile	4.74	41	36512	46.541	ug/l	100
42) 1,2-Dichloroethane	4.93	62	149289	51.779	ug/l	100
43) Isopropyl Acetate	6.95	43	92294	51.824	ug/l	100
44) Trichloroethene	5.49	130	122899	48.092	ug/l	100
45) 1,2-Dichloropropane	6.22	63	109575	51.386	ug/l	100
46) Dibromomethane	6.08	93	73682	52.704	ug/l	100
47) Bromodichloromethane	6.37	83	176203	51.509	ug/l	100
48) Methyl methacrylate	6.71	41	62241	51.766	ug/l	100
49) 1,4-Dioxane	6.70	88	10109	1125.658	ug/l	100
51) 4-Methyl-2-Pentanone	8.25	43	330362	236.863	ug/l	100
52) Toluene	7.62	92	257968	46.700	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	143938	52.158	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	189705	54.654	ug/l	100
55) 1,1,2-Trichloroethane	8.48	97	77557	51.659	ug/l	100
56) Ethyl methacrylate	8.61	69	88684	51.545	ug/l	100
57) 1,3-Dichloropropane	8.85	76	149010	53.505	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.29	63	47147	405.069	ug/l	100
59) 2-Hexanone	9.48	43	233143	240.146	ug/l	100
60) Dibromochloromethane	8.71	129	115719	54.232	ug/l	100
61) 1,2-Dibromoethane	8.98	107	89585	52.153	ug/l	100
64) Tetrachloroethene	8.15	164	113699	51.460	ug/l	100
65) Chlorobenzene	9.79	112	298310	48.531	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	117415	48.798	ug/l	100
67) Ethyl Benzene	9.89	91	521286	45.802	ug/l	100
68) m/p-Xylenes	10.12	106	379764	92.491	ug/l	100
69) o-Xylene	10.70	106	206680	47.127	ug/l	100
70) Styrene	10.78	104	268893	44.173	ug/l	100
71) Bromoform	10.76	173	55544	53.565	ug/l	100
73) Isopropylbenzene	11.12	105	611978	49.152	ug/l	100
74) N-amyl acetate	11.36	43	148002	51.756	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.69	83	105235	48.596	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	77141	49.559	ug/l	100
77) Bromobenzene	11.49	156	130805	51.469	ug/l	100
78) n-propylbenzene	11.59	91	705293	46.498	ug/l	100
79) 2-Chlorotoluene	11.71	91	407850	47.313	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	481852	48.482	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	46343	56.428	ug/l	100
82) 4-Chlorotoluene	11.90	91	414018	48.491	ug/l	100
83) tert-Butylbenzene	12.12	119	502611	48.633	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	483852	47.061	ug/l	100
85) sec-Butylbenzene	12.30	105	693611	49.348	ug/l	100
86) p-Isopropyltoluene	12.46	119	548111	46.842	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	235930	45.158	ug/l	100
88) 1,4-Dichlorobenzene	12.56	146	241645	50.490	ug/l	100
89) n-Butylbenzene	12.84	91	566415	46.835	ug/l	100
90) Hexachloroethane	12.91	117	133798	51.800	ug/l	100
91) 1,2-Dichlorobenzene	12.94	146	237924	48.870	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.64	75	19795	53.926	ug/l	100

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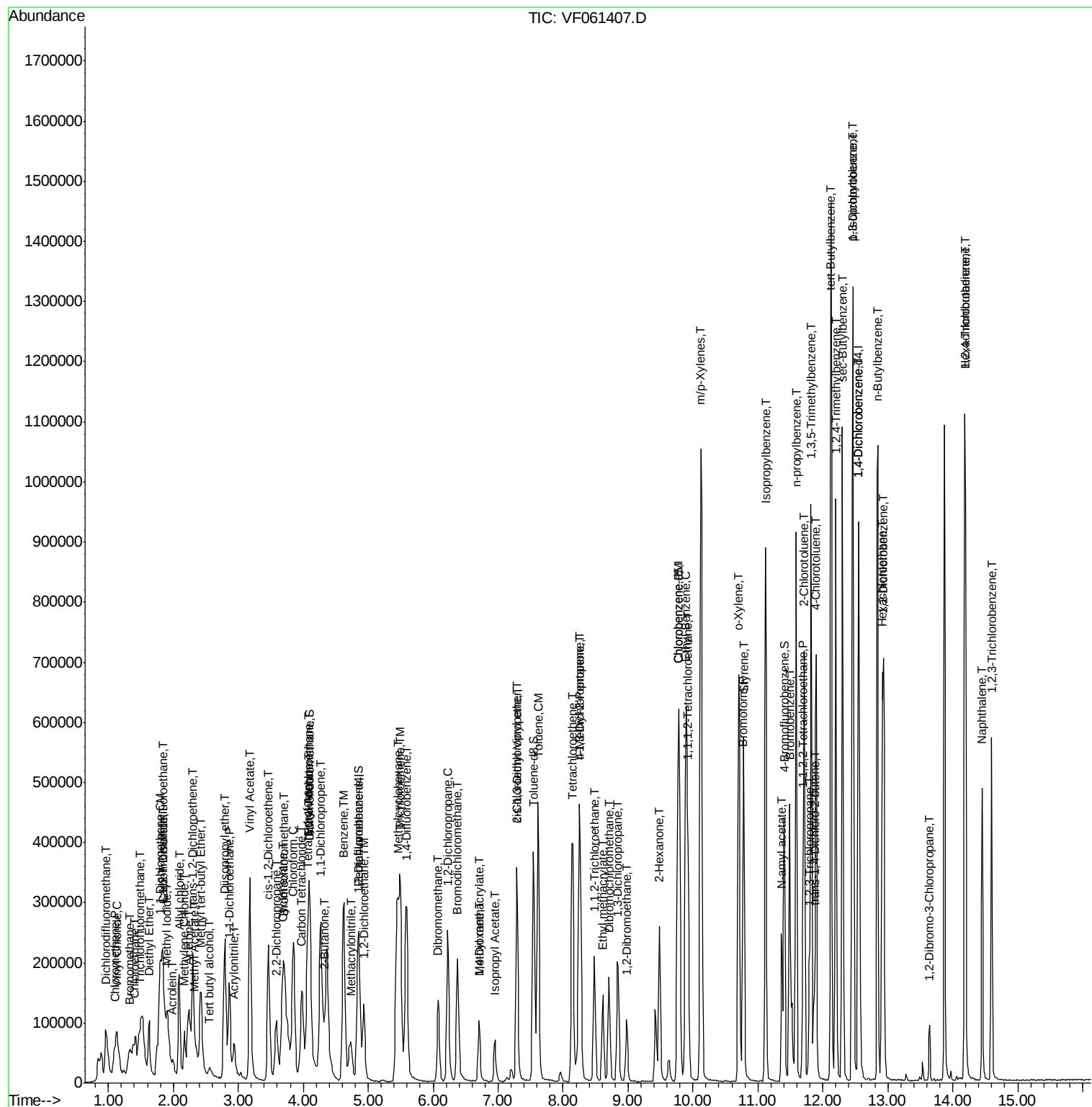
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	166974	49.142	ug/l	100
94) Hexachlorobutadiene	14.19	225	104425	50.754	ug/l	100
95) Naphthalene	14.45	128	330614	54.665	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	157836	51.716	ug/l	100

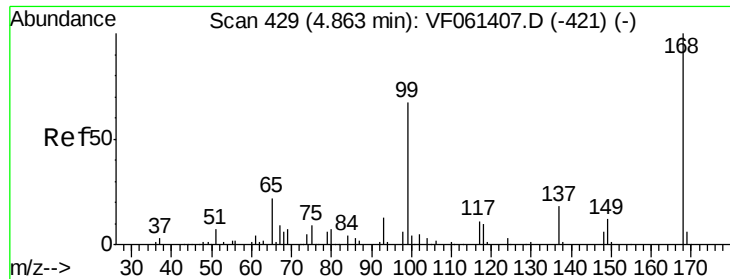
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

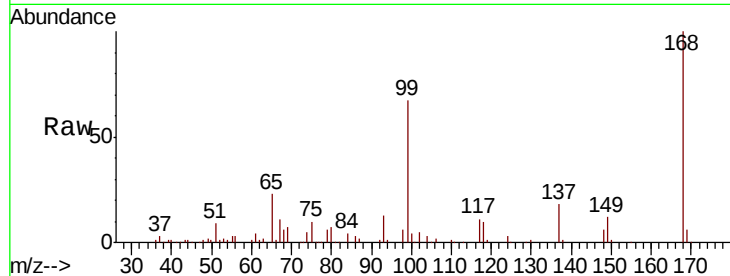
VSTDICCC050

Tgt Ion: 168 Resp: 177935

Ion Ratio Lower Upper

168 100

99 66.9 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

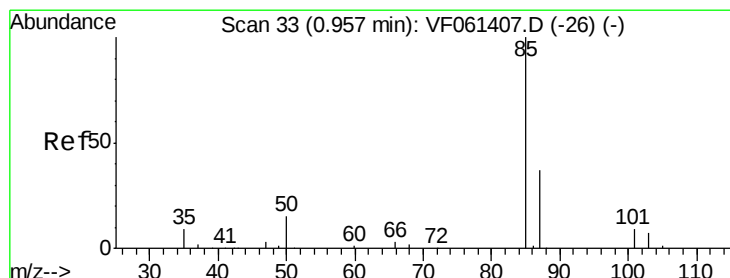
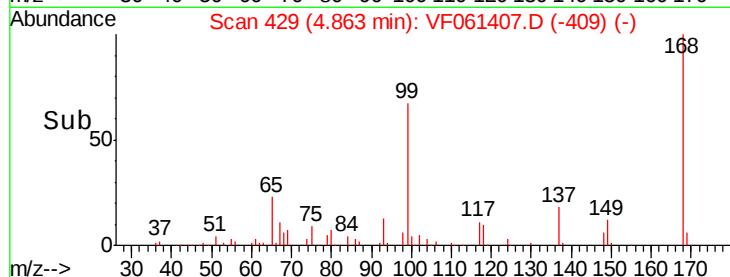
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 50.246 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061407.D

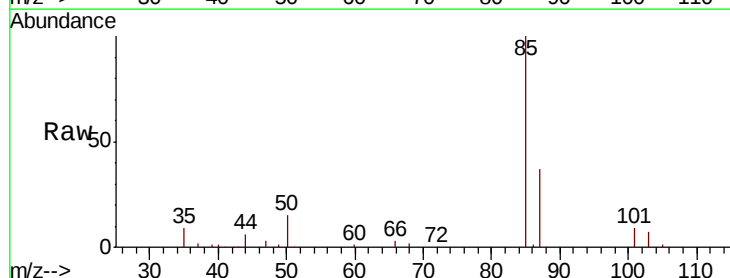
Acq: 15 Jan 2019 15:27

Tgt Ion: 85 Resp: 177186

Ion Ratio Lower Upper

85 100

87 36.7 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

30000

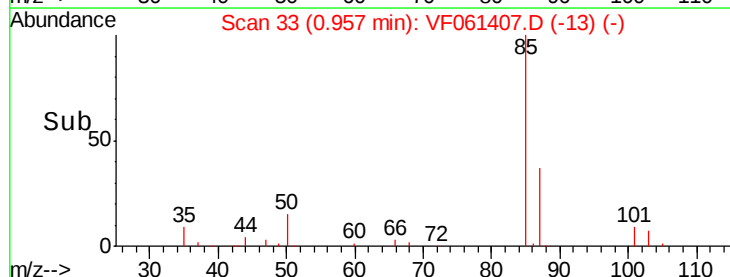
20000

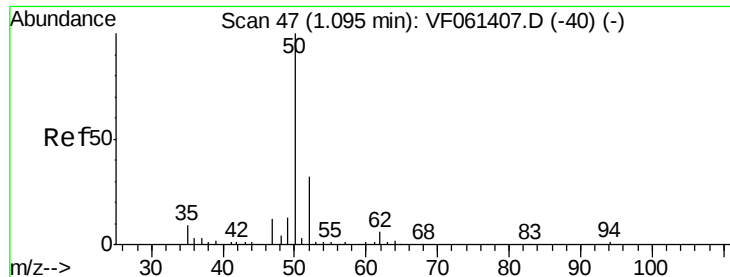
10000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 44.327 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

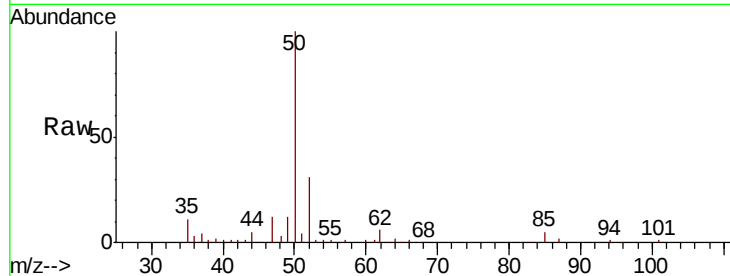
VSTDICCC050

Tgt Ion: 50 Resp: 118498

Ion Ratio Lower Upper

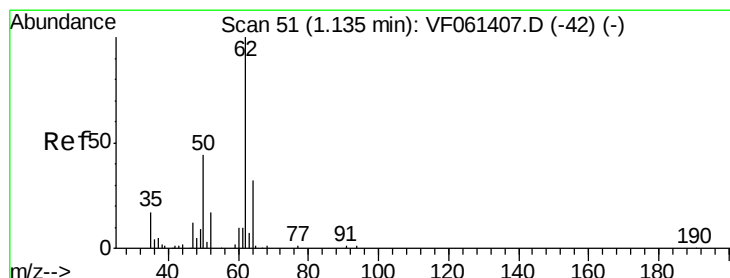
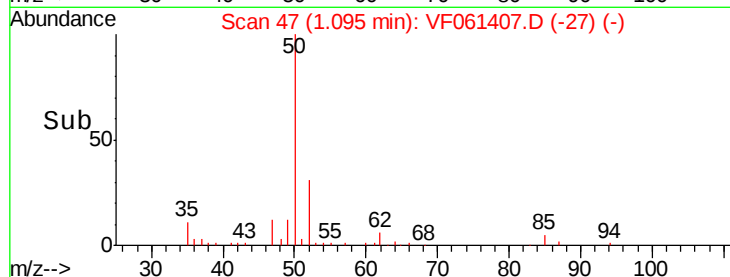
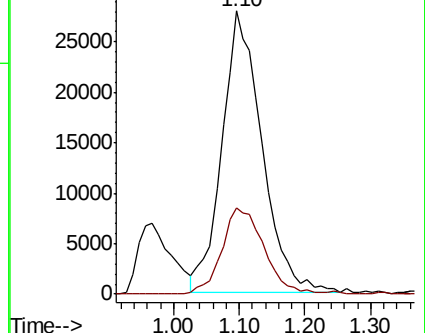
50 100

52 30.7 24.6 36.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 45.408 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061407.D

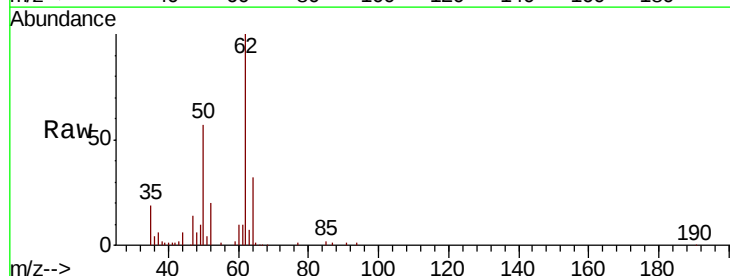
Acq: 15 Jan 2019 15:27

Tgt Ion: 62 Resp: 106924

Ion Ratio Lower Upper

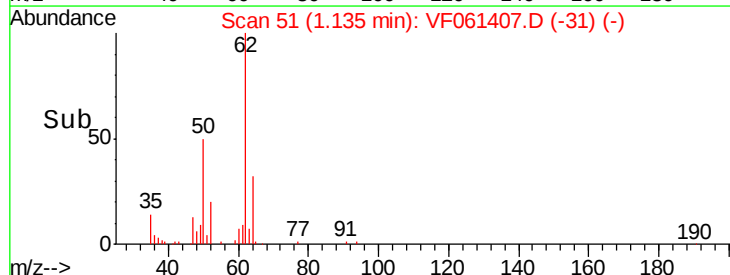
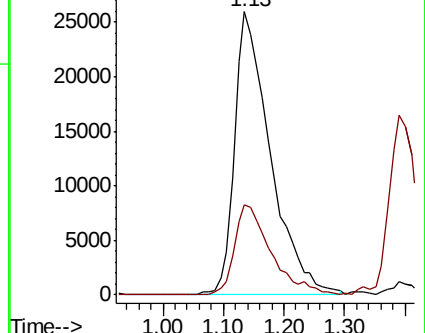
62 100

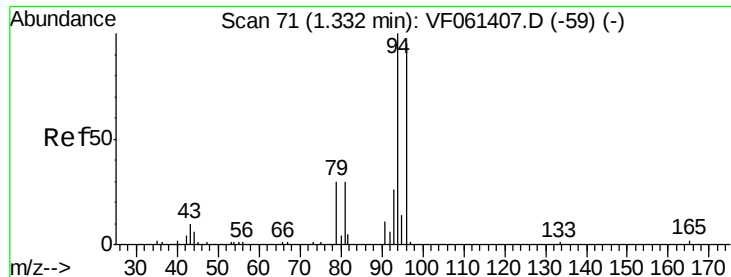
64 32.0 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 46.935 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

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ClientSampleId :

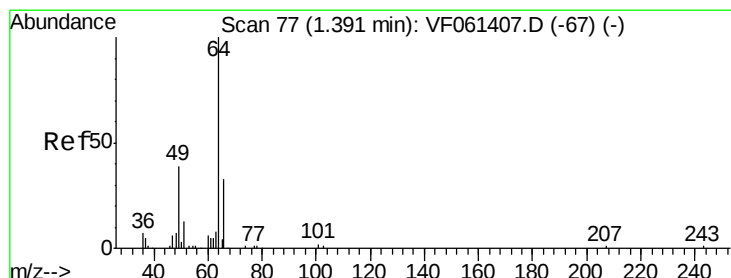
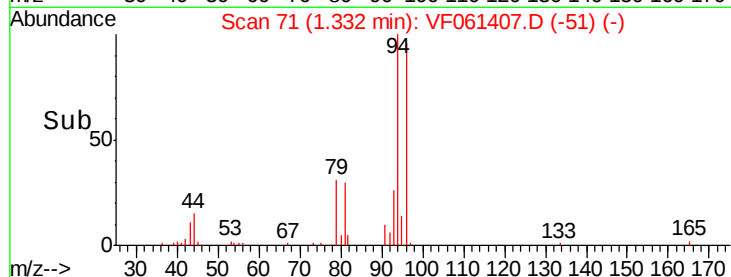
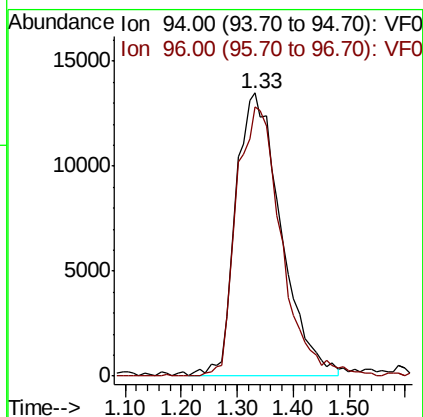
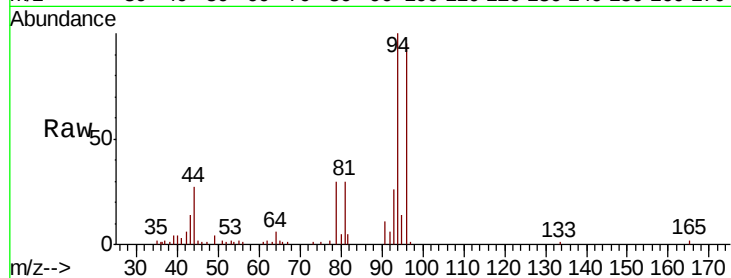
VSTDICCC050

Tgt Ion: 94 Resp: 75676

Ion Ratio Lower Upper

94 100

96 95.0 76.0 114.0



#6

Chloroethane

Concen: 50.603 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061407.D

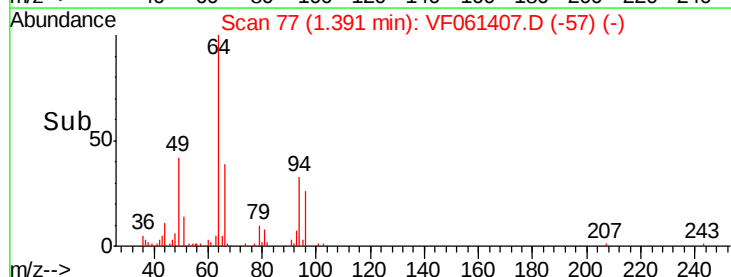
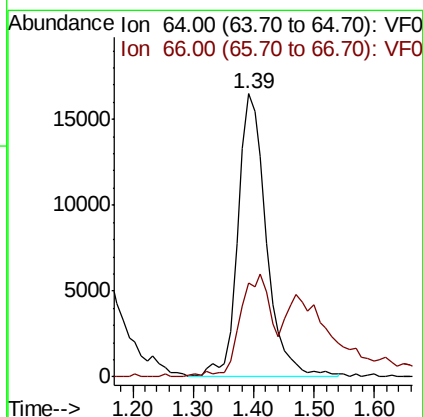
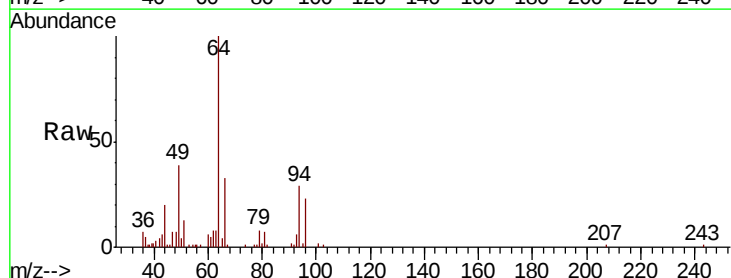
Acq: 15 Jan 2019 15:27

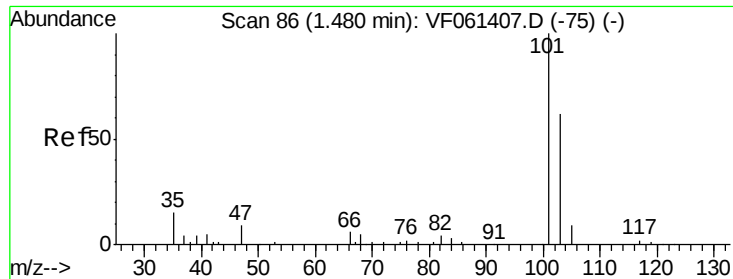
Tgt Ion: 64 Resp: 53831

Ion Ratio Lower Upper

64 100

66 33.3 26.6 40.0





#7

Trichlorofluoromethane

Concen: 30.727 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.00 min

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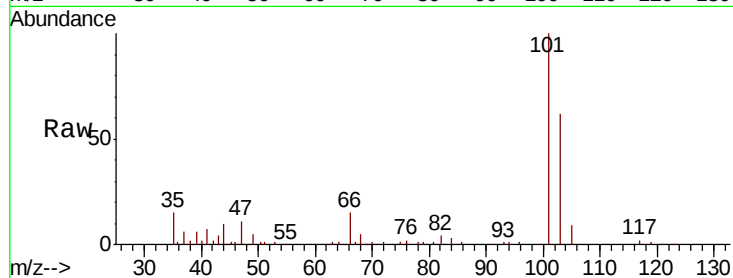
VSTDICCC050

Tgt Ion:101 Resp: 144060

Ion Ratio Lower Upper

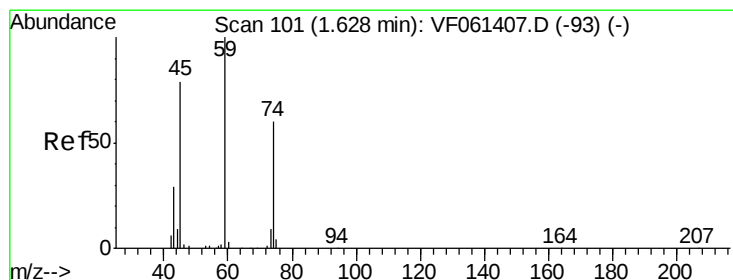
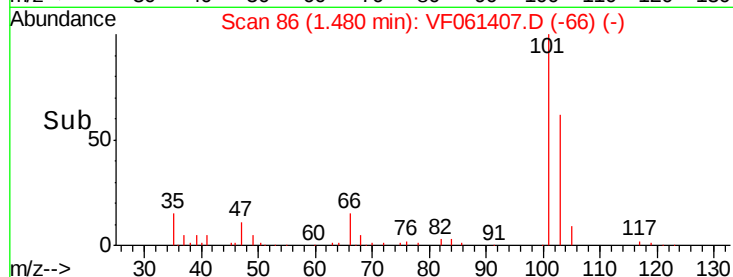
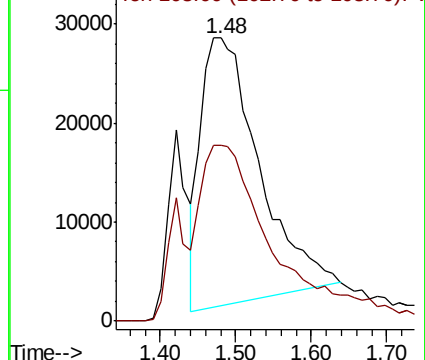
101 100

103 62.1 49.7 74.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 47.681 ug/l

RT: 1.63 min Scan# 101

Delta R.T. 0.00 min

Lab File: VF061407.D

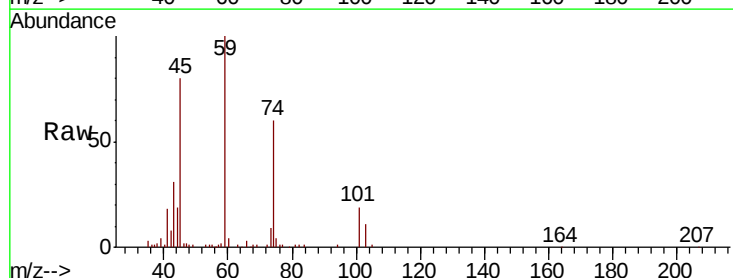
Acq: 15 Jan 2019 15:27

Tgt Ion: 74 Resp: 28030

Ion Ratio Lower Upper

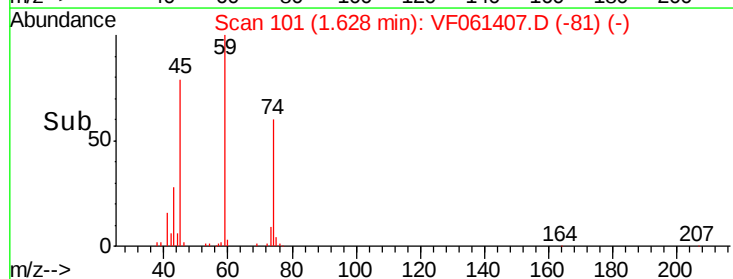
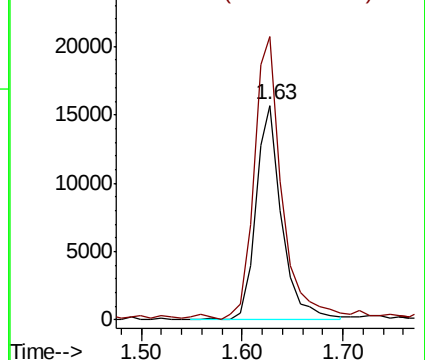
74 100

45 131.7 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.093 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061407.D

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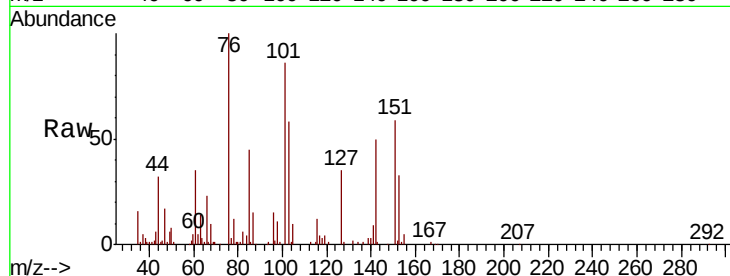
Tgt Ion:101 Resp: 100974

Ion Ratio Lower Upper

101 100

85 52.4 41.9 62.9

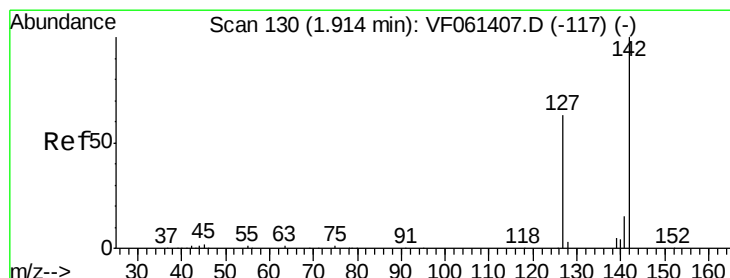
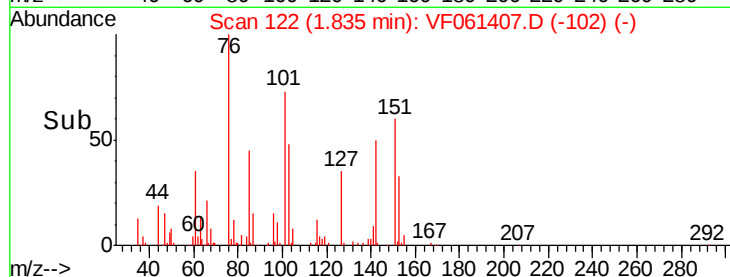
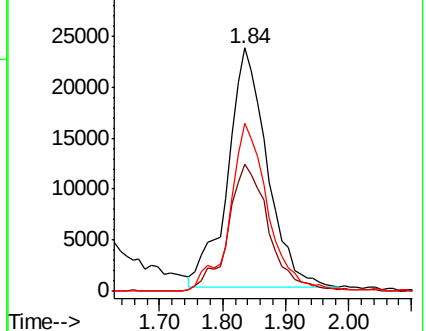
151 68.9 55.1 82.7



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: 39.411 ug/l

RT: 1.91 min Scan# 130

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

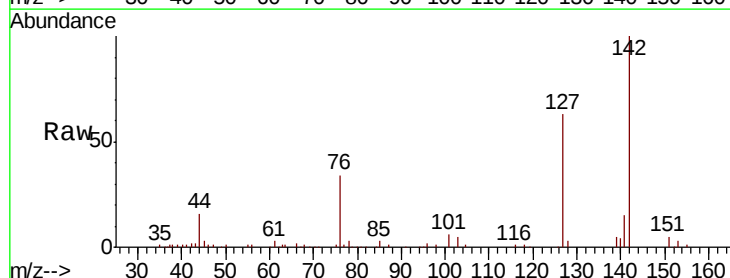
Tgt Ion:142 Resp: 133772

Ion Ratio Lower Upper

142 100

127 63.4 50.7 76.1

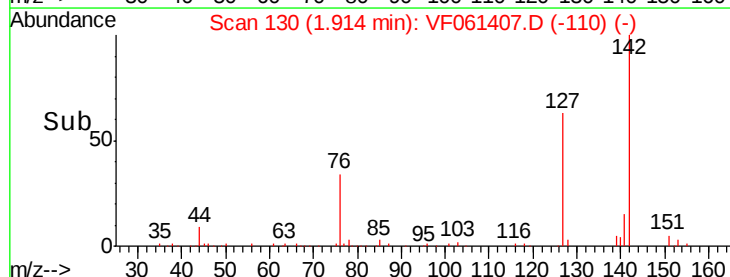
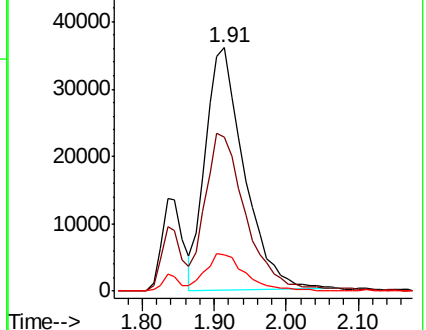
141 14.7 11.8 17.6

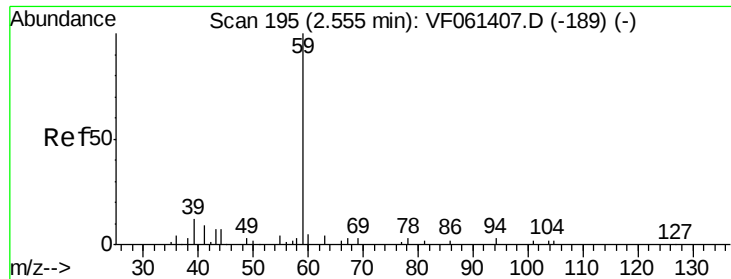


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



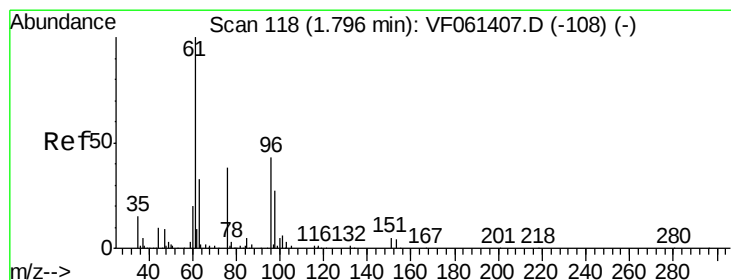
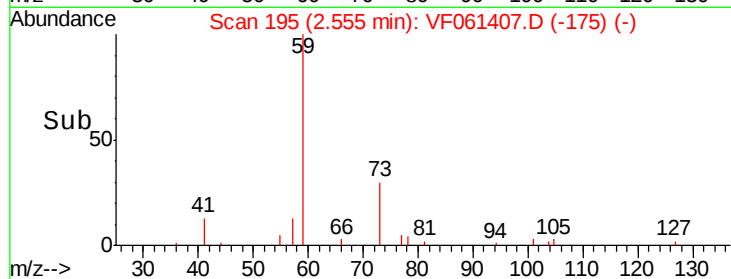
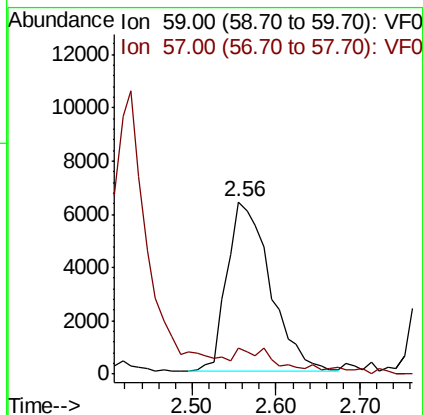
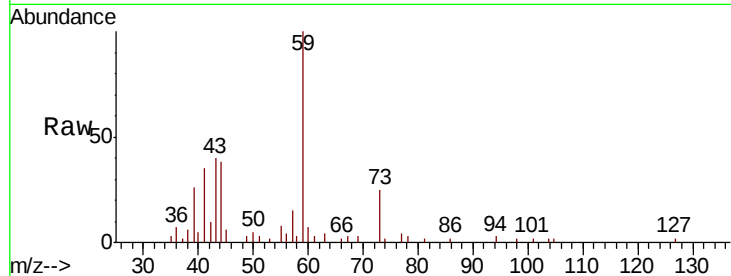


#11

Tert butyl alcohol
 Concen: 239.761 ug/l
 RT: 2.56 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

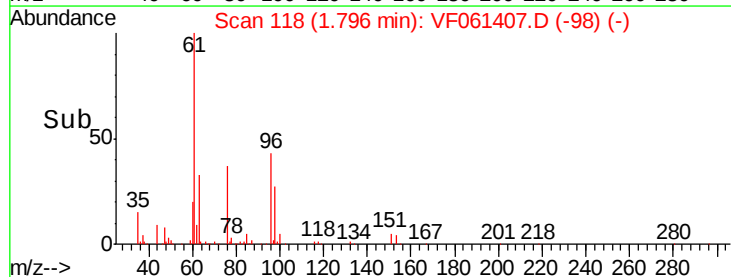
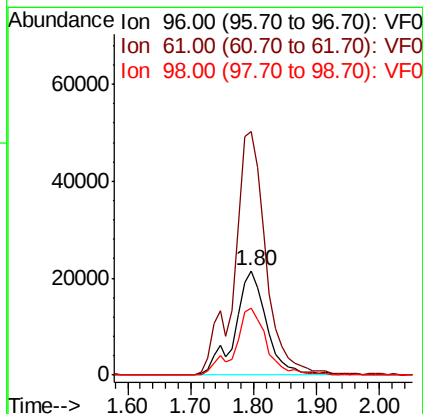
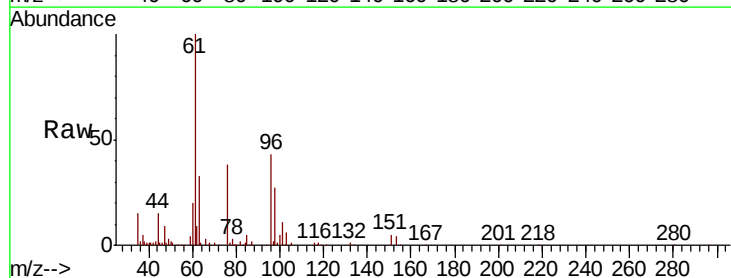
Tgt Ion: 59 Resp: 22634
 Ion Ratio Lower Upper
 59 100
 57 14.9 11.9 17.9

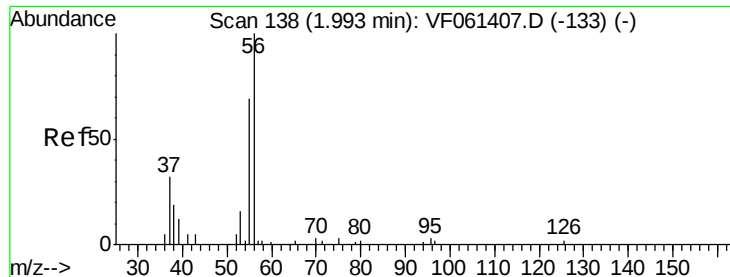


#12

1,1-Dichloroethene
 Concen: 46.463 ug/l
 RT: 1.80 min Scan# 118
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion: 96 Resp: 75616
 Ion Ratio Lower Upper
 96 100
 61 233.6 186.9 280.3
 98 66.2 53.0 79.4





#13

Acrolein

Concen: 228.080 ug/l

RT: 1.99 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

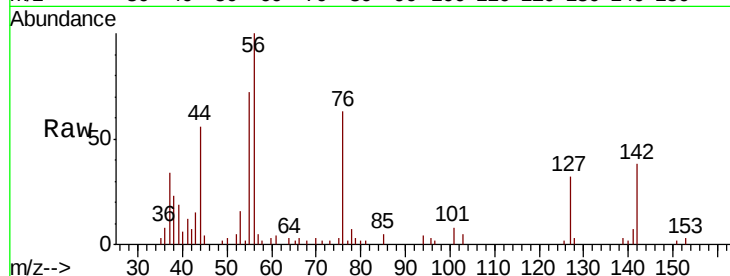
VSTDICCC050

Tgt Ion: 56 Resp: 20028

Ion Ratio Lower Upper

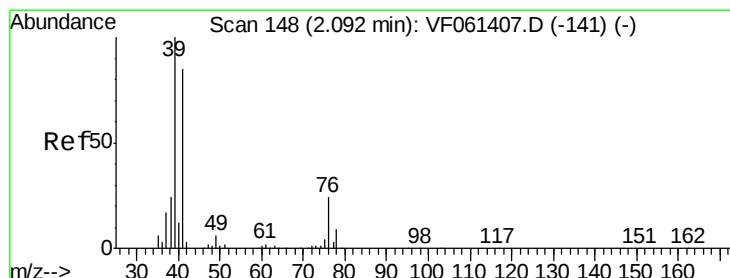
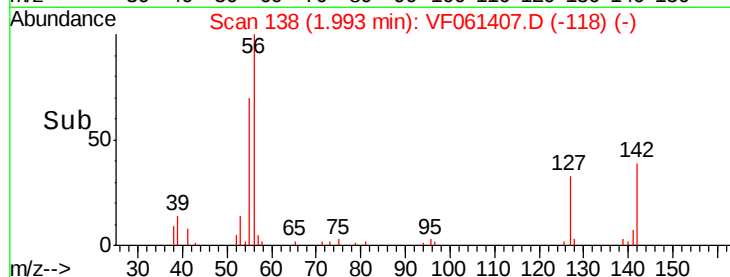
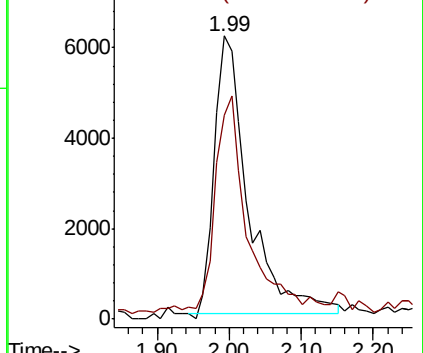
56 100

55 71.9 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 33.280 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

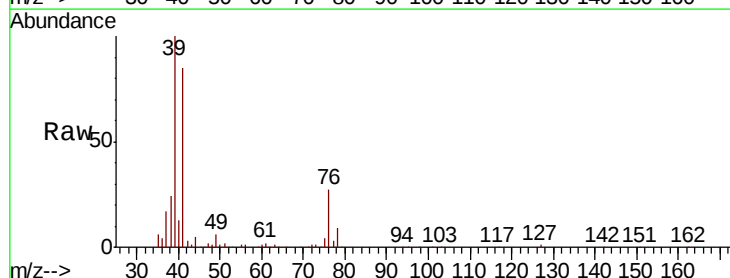
Tgt Ion: 41 Resp: 97427

Ion Ratio Lower Upper

41 100

39 118.2 94.6 141.8

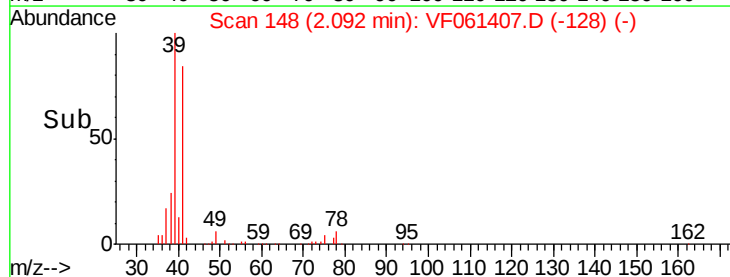
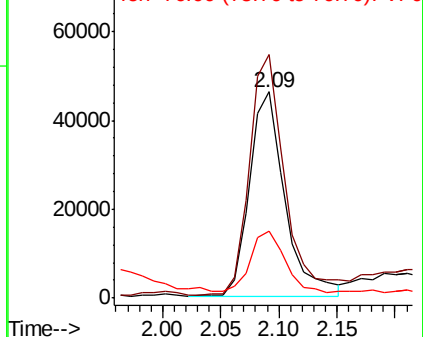
76 32.4 25.9 38.9

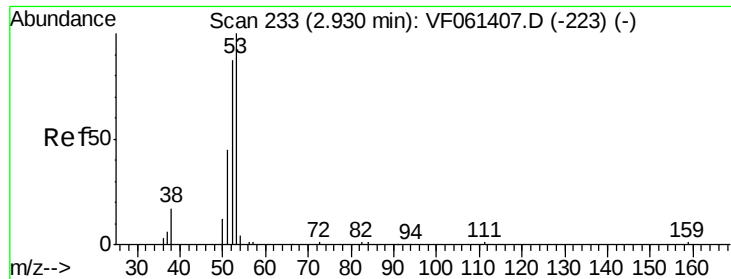


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 218.550 ug/l

RT: 2.93 min Scan# 233

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

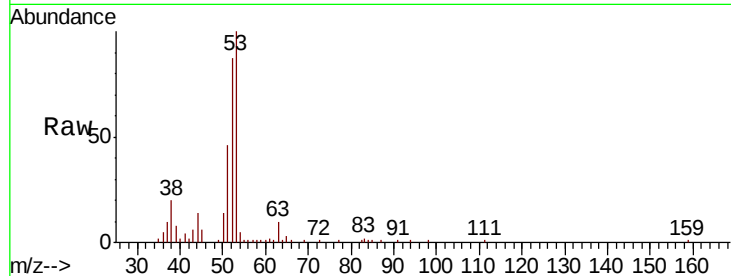
Tgt Ion: 53 Resp: 53782

Ion Ratio Lower Upper

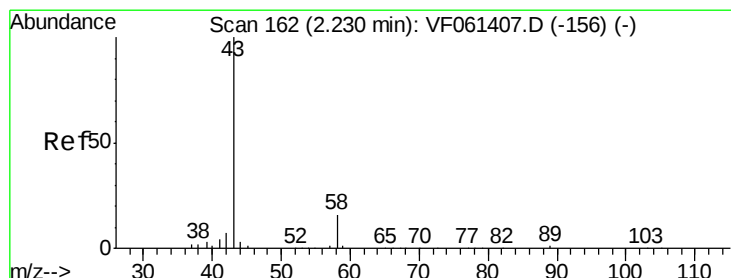
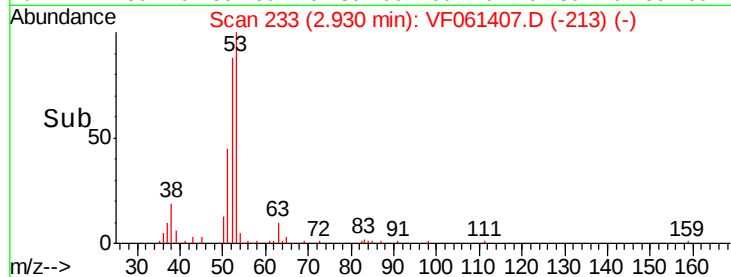
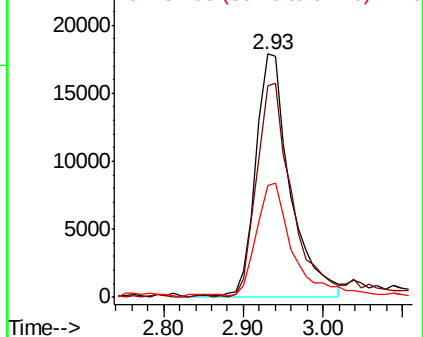
53 100

52 87.0 69.6 104.4

51 46.0 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: 226.875 ug/l

RT: 2.23 min Scan# 162

Delta R.T. 0.00 min

Lab File: VF061407.D

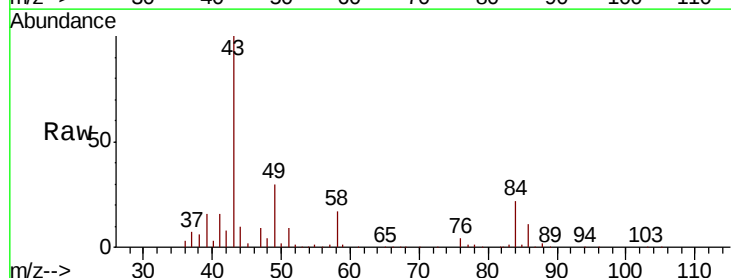
Acq: 15 Jan 2019 15:27

Tgt Ion: 43 Resp: 106332

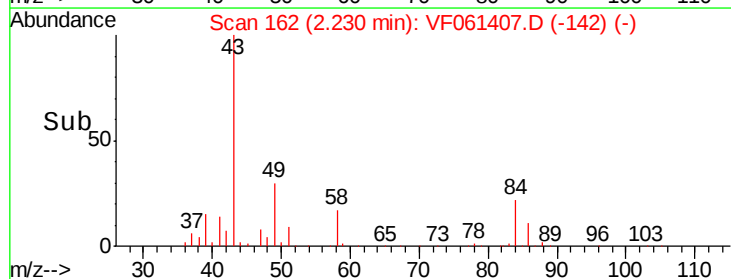
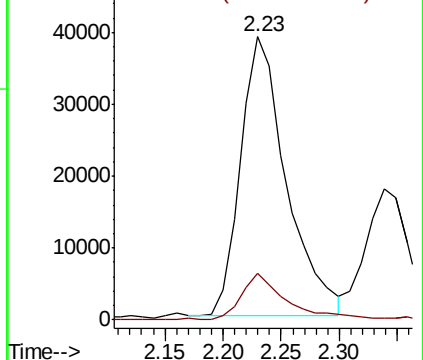
Ion Ratio Lower Upper

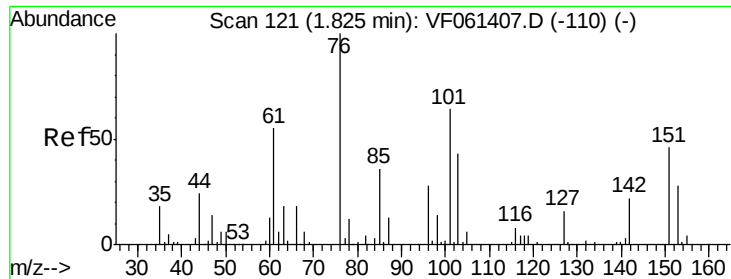
43 100

58 16.6 13.3 19.9



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

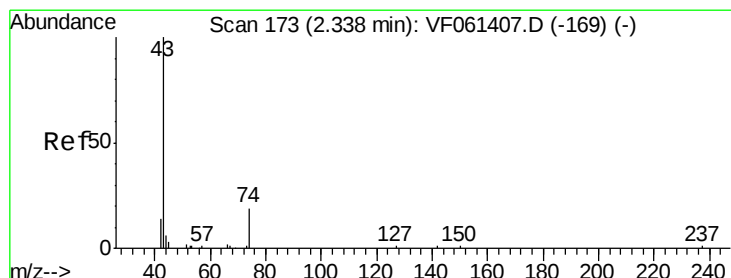
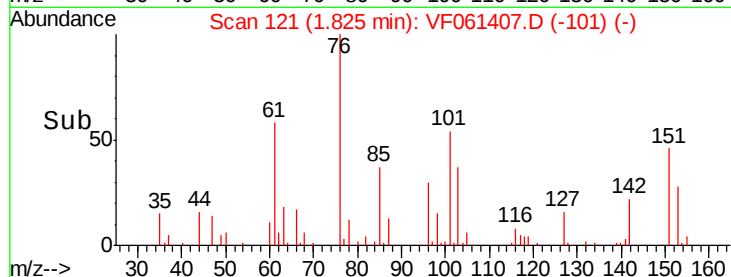
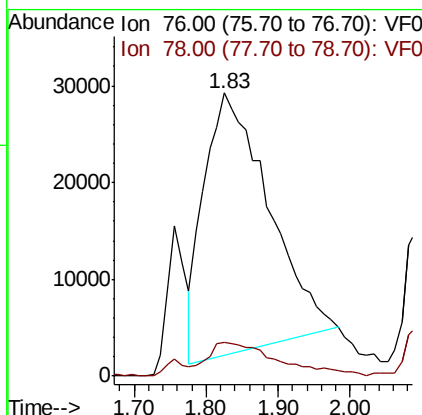
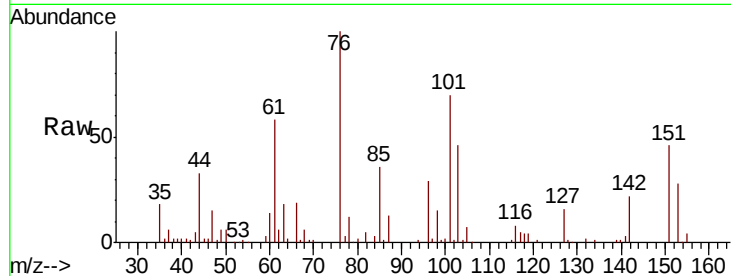




#17
Carbon Disulfide
Concen: 33.013 ug/l
RT: 1.83 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

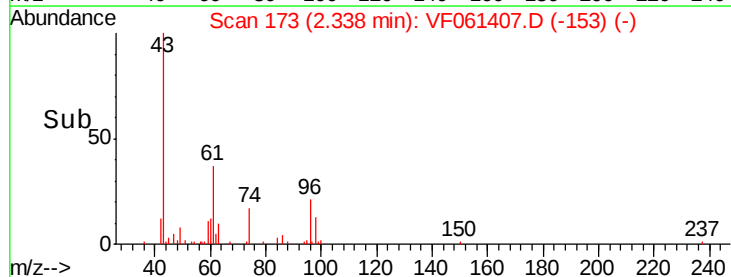
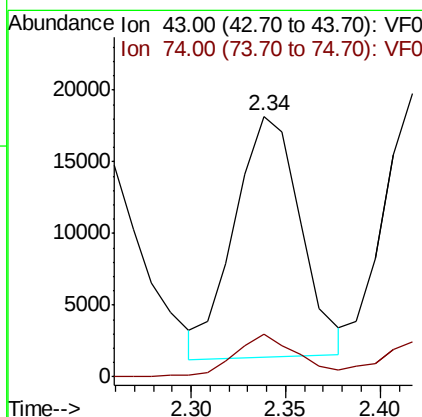
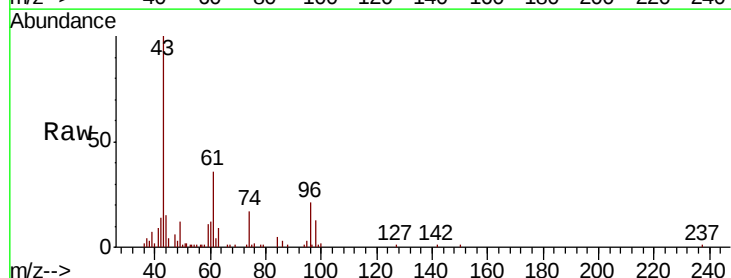
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

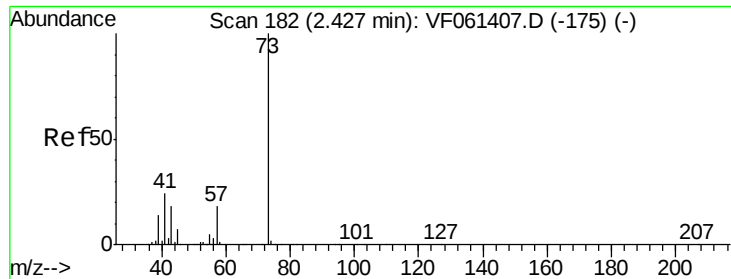
Tgt Ion: 76 Resp: 167596
Ion Ratio Lower Upper
76 100
78 12.0 9.6 14.4



#18
Methyl Acetate
Concen: 36.903 ug/l
RT: 2.34 min Scan# 173
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion: 43 Resp: 40809
Ion Ratio Lower Upper
43 100
74 16.7 13.4 20.0



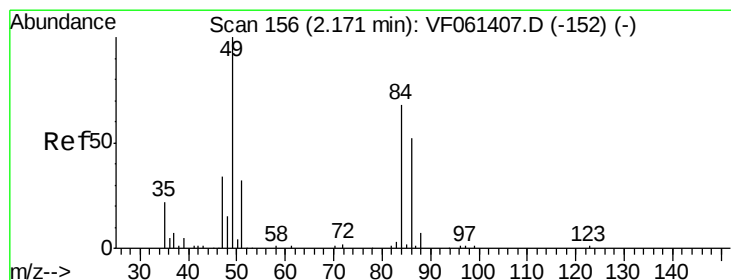
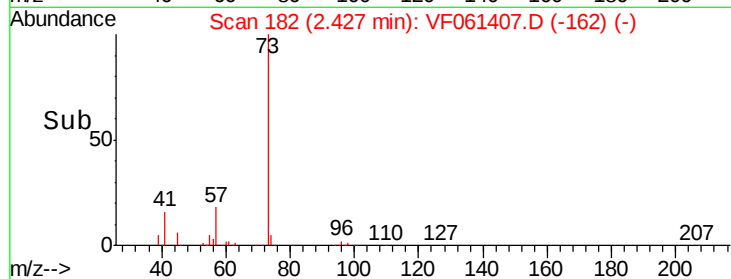
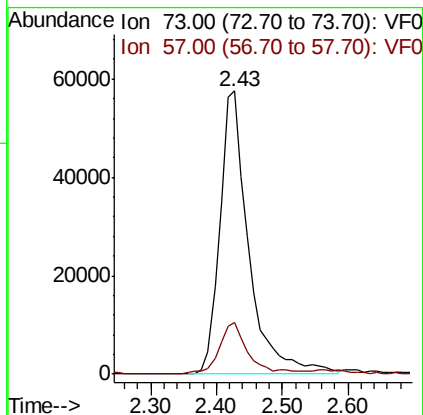
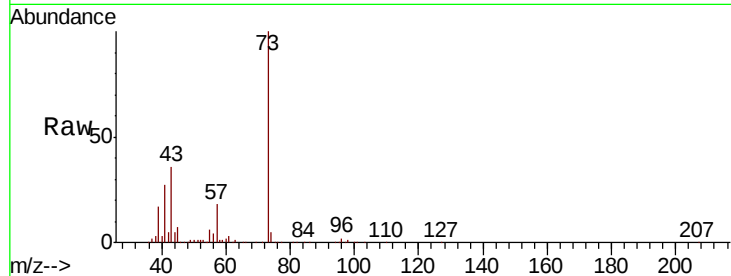


#19

Methyl tert-butyl Ether
 Concen: 48.826 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

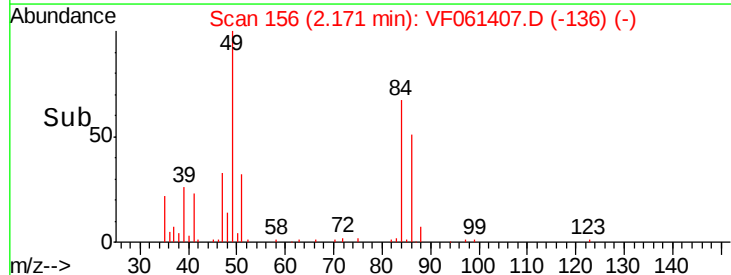
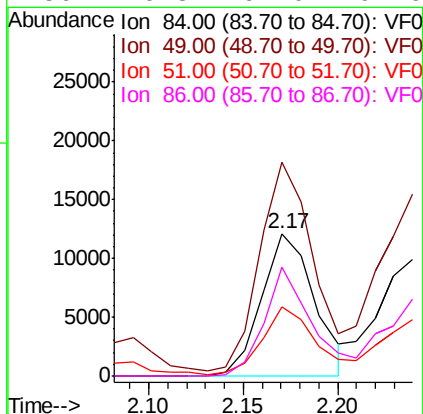
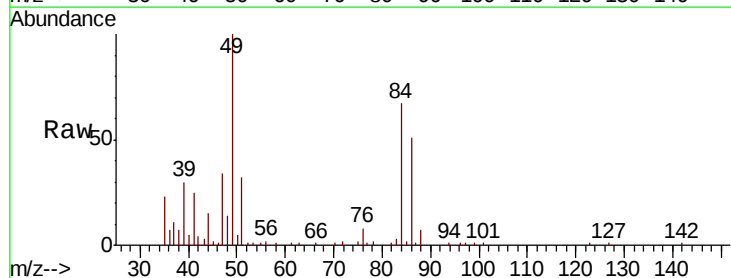
Tgt Ion: 73 Resp: 177104
 Ion Ratio Lower Upper
 73 100
 57 18.5 14.8 22.2

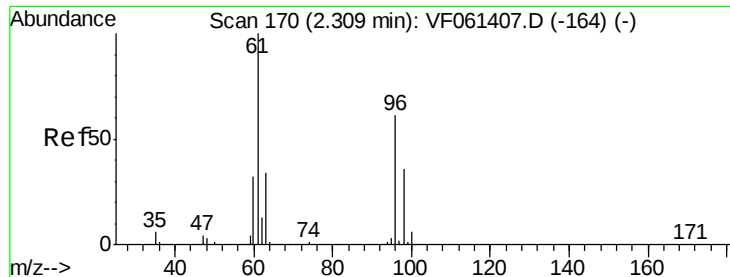


#20

Methylene Chloride
 Concen: 12.852 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion: 84 Resp: 23690
 Ion Ratio Lower Upper
 84 100
 49 150.0 120.0 180.0
 51 48.3 38.6 58.0
 86 76.3 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 36.509 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

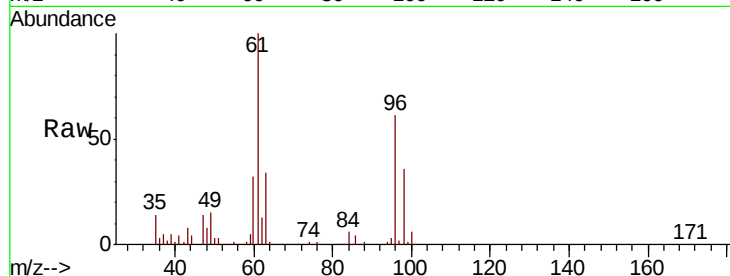
Tgt Ion: 96 Resp: 66009

Ion Ratio Lower Upper

96 100

61 164.8 131.8 197.8

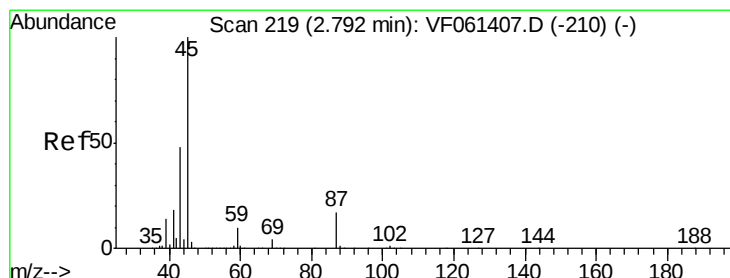
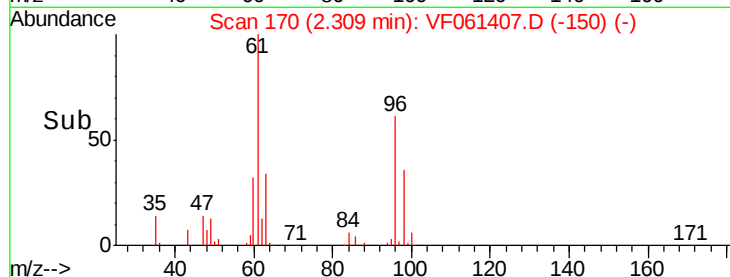
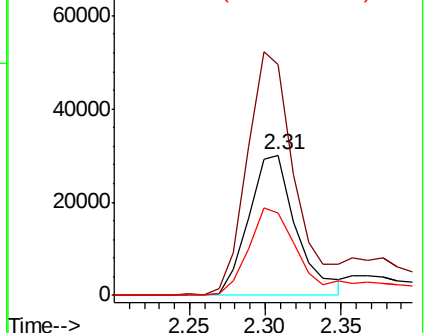
98 59.2 47.4 71.0



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: 49.512 ug/l

RT: 2.79 min Scan# 219

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion: 45 Resp: 281906

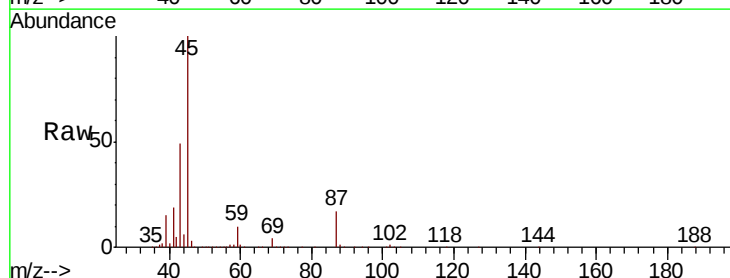
Ion Ratio Lower Upper

45 100

43 48.8 39.0 58.6

87 17.4 13.9 20.9

59 9.7 7.8 11.6

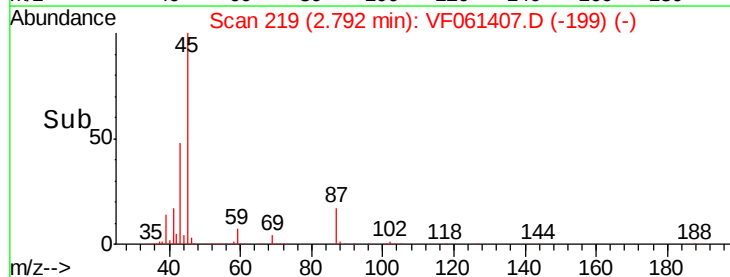
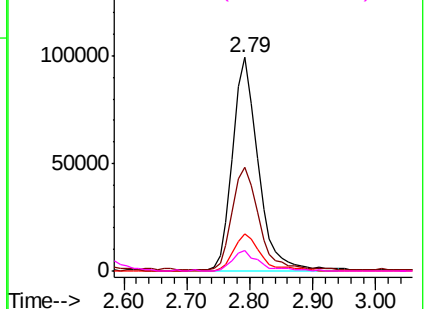


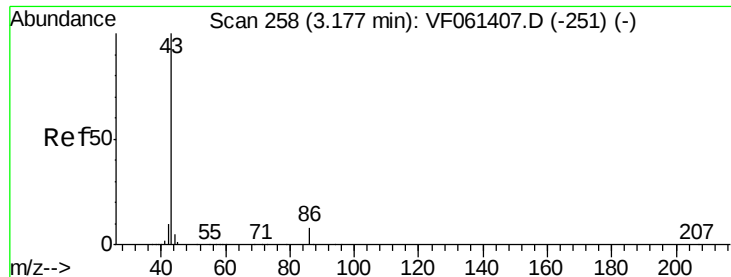
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 314.653 ug/l

RT: 3.18 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

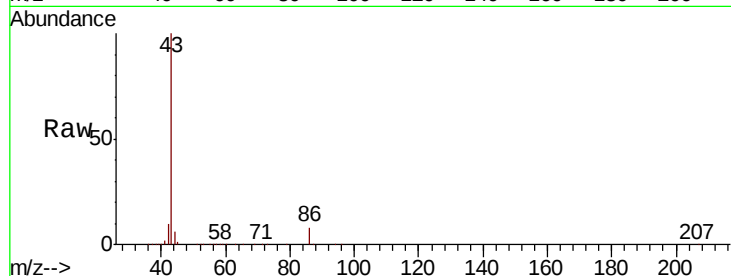
VSTDICCC050

Tgt Ion: 43 Resp: 681618

Ion Ratio Lower Upper

43 100

86 7.8 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

250000

200000

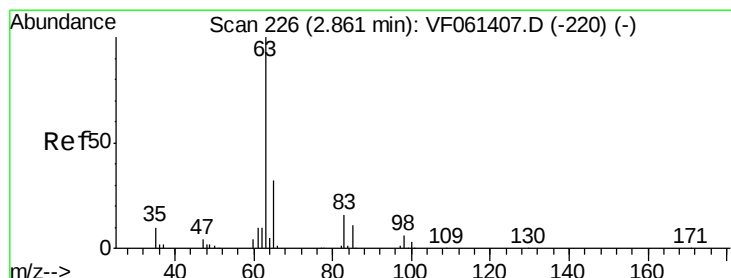
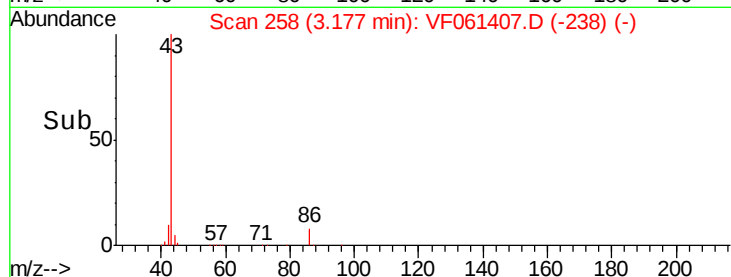
150000

100000

50000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 48.245 ug/l

RT: 2.86 min Scan# 226

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

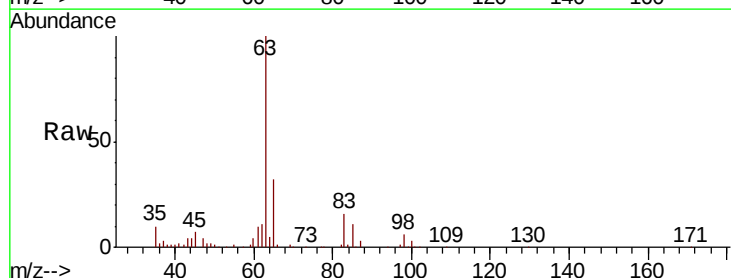
Tgt Ion: 63 Resp: 174922

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.2 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.86

80000

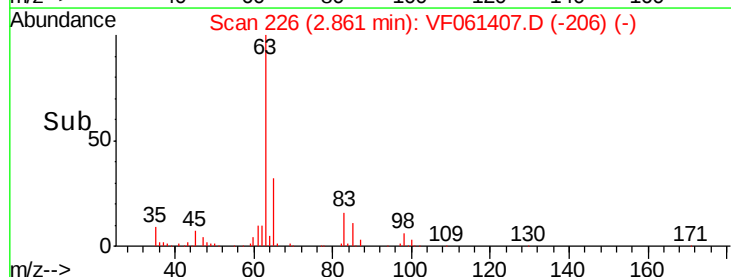
60000

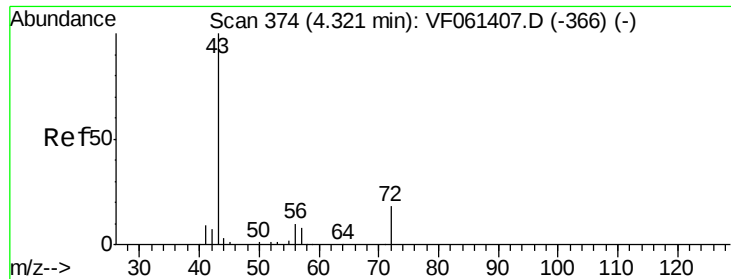
40000

20000

0

Time--> 2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 239.016 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

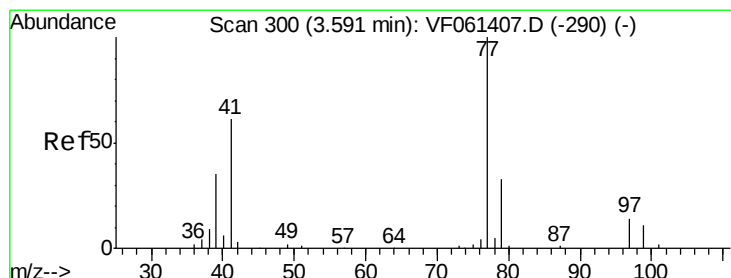
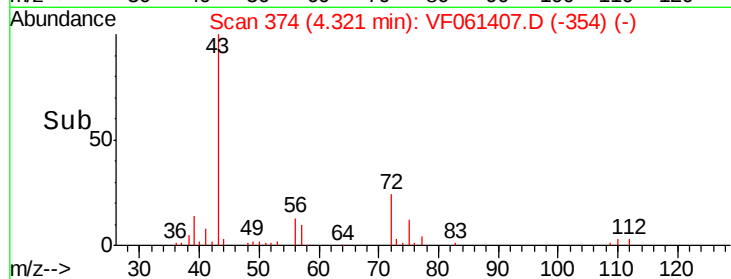
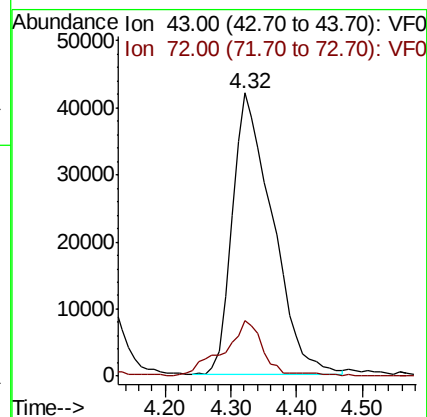
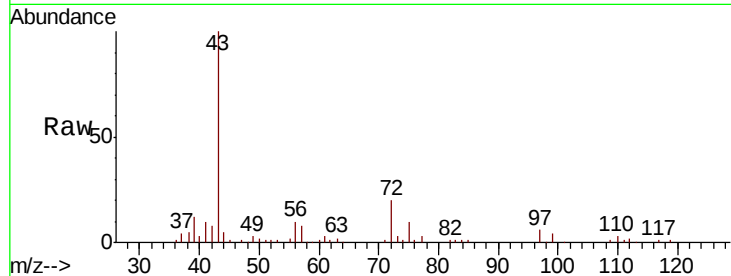
VSTDICCC050

Tgt Ion: 43 Resp: 178427

Ion Ratio Lower Upper

43 100

72 19.7 15.8 23.6



#26

2,2-Dichloropropane

Concen: 41.638 ug/l

RT: 3.59 min Scan# 300

Delta R.T. 0.00 min

Lab File: VF061407.D

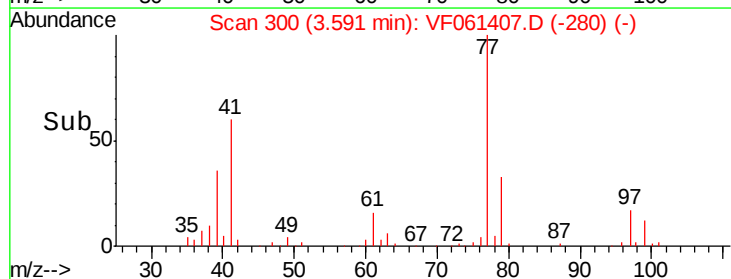
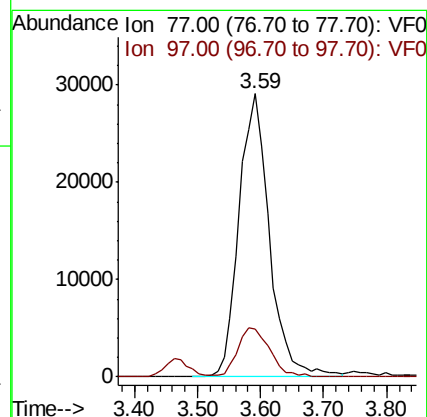
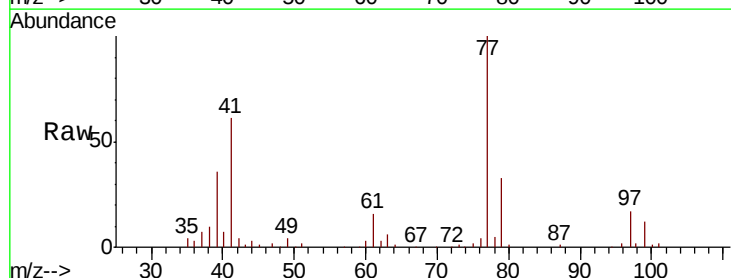
Acq: 15 Jan 2019 15:27

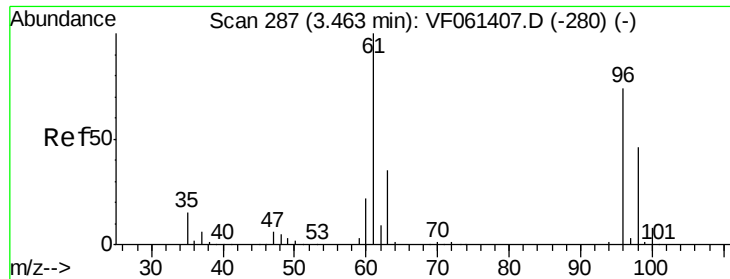
Tgt Ion: 77 Resp: 97255

Ion Ratio Lower Upper

77 100

97 17.0 8.5 25.5



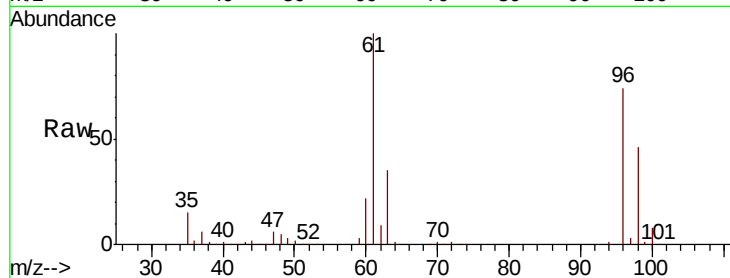


#27

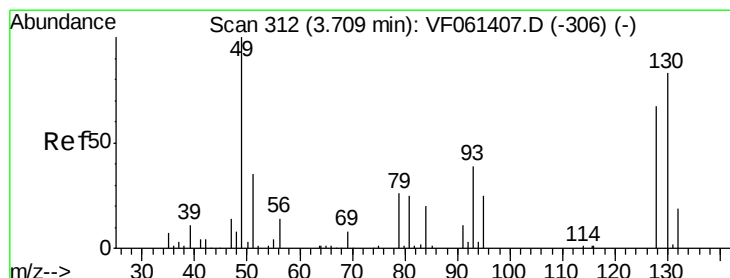
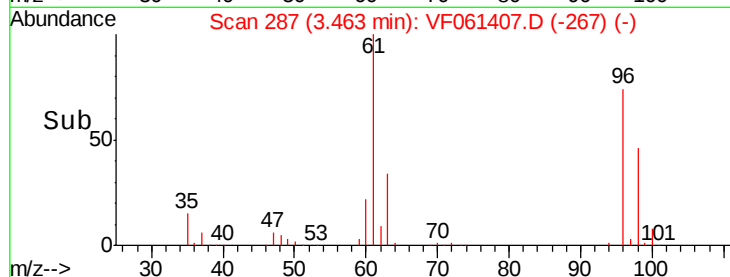
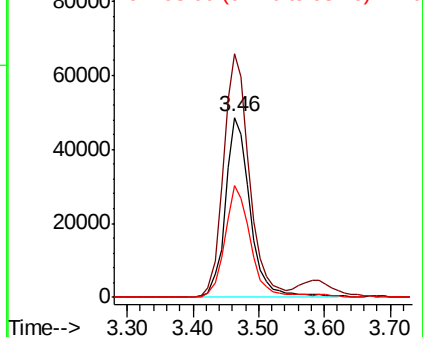
cis-1,2-Dichloroethene
 Concen: 49.161 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	270.2
98	62.0	0.0	124.0



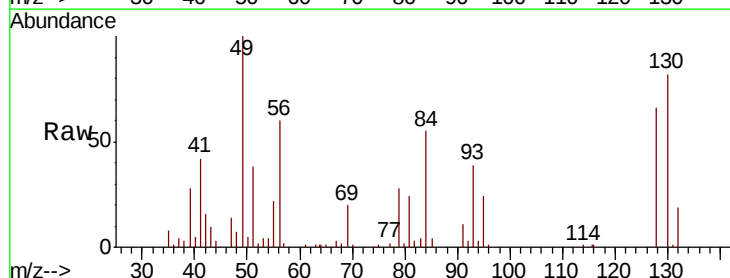
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



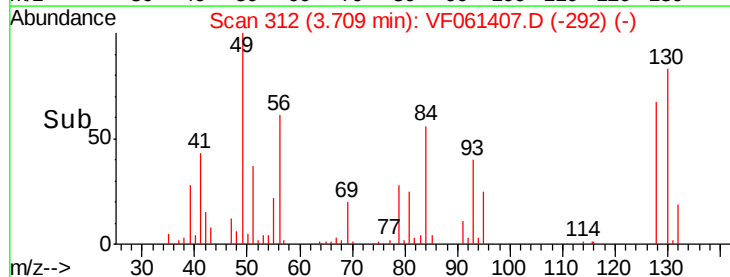
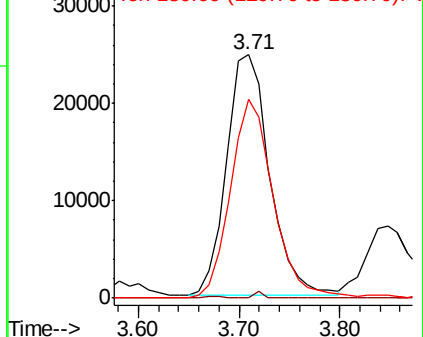
#28

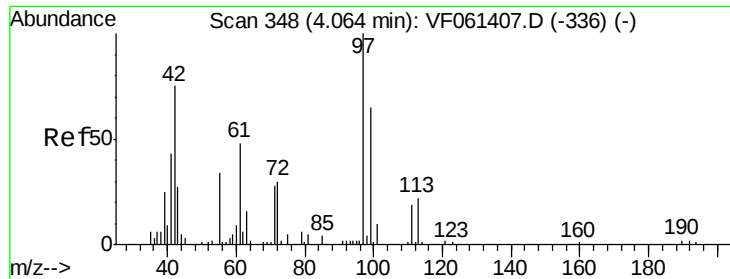
Bromochloromethane
 Concen: 43.767 ug/l
 RT: 3.71 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	81.8	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: 246.620 ug/l

RT: 4.06 min Scan# 348

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

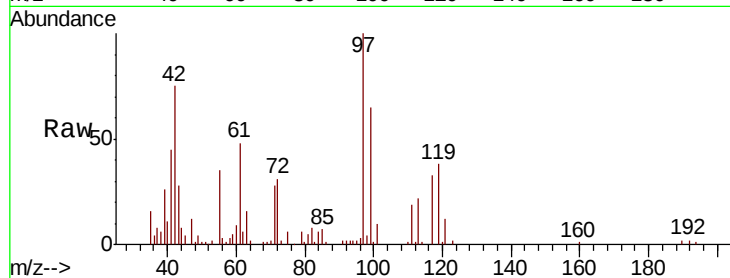
Tgt Ion: 42 Resp: 80999

Ion Ratio Lower Upper

42 100

72 36.1 28.9 43.3

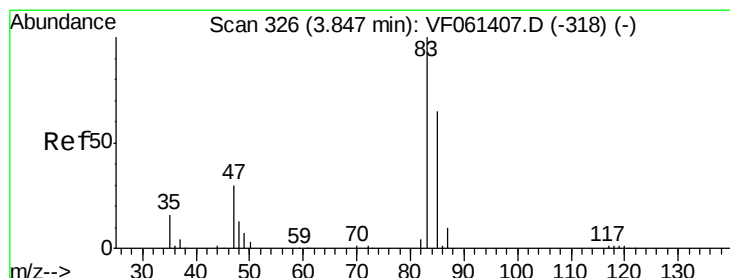
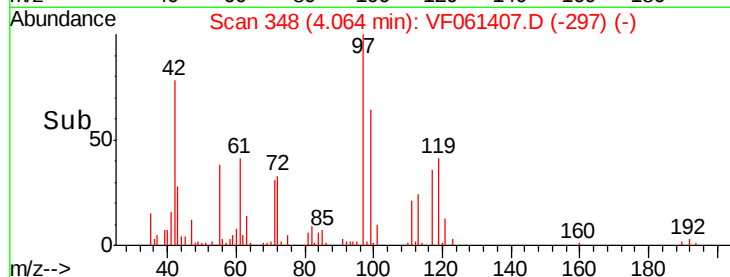
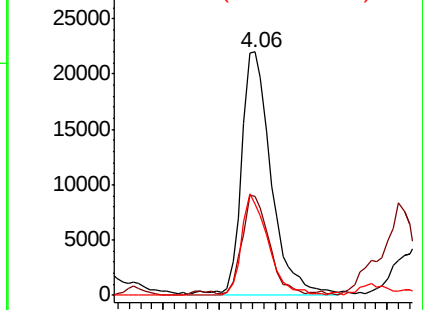
71 37.0 29.6 44.4



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: 49.254 ug/l

RT: 3.85 min Scan# 326

Delta R.T. 0.00 min

Lab File: VF061407.D

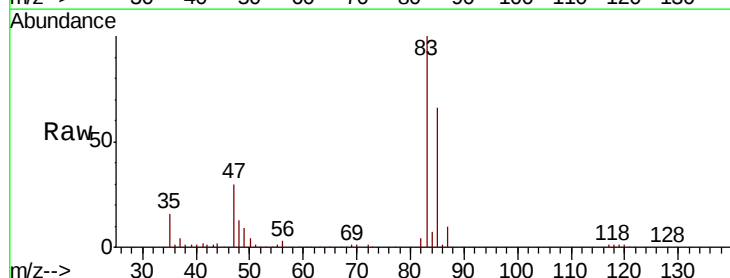
Acq: 15 Jan 2019 15:27

Tgt Ion: 83 Resp: 241003

Ion Ratio Lower Upper

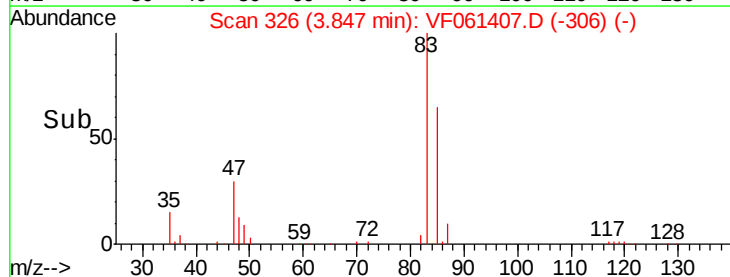
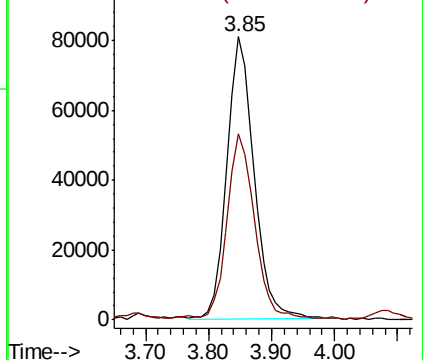
83 100

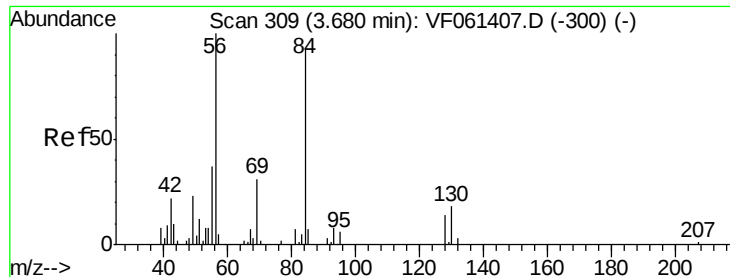
85 65.9 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

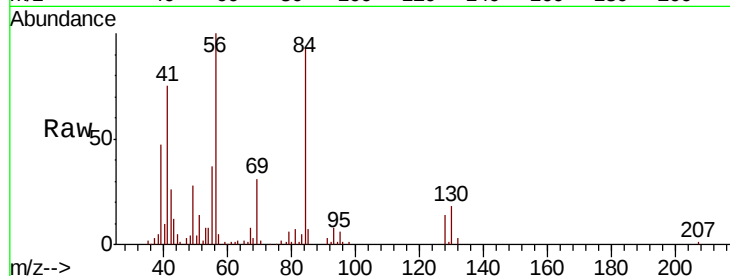




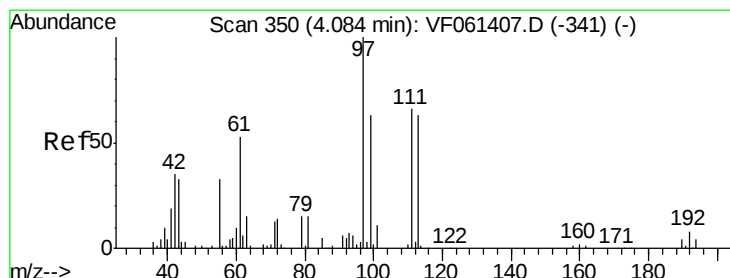
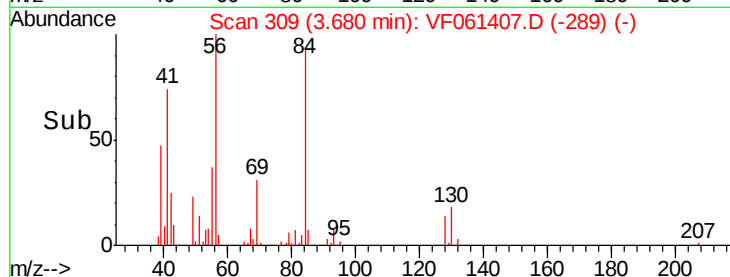
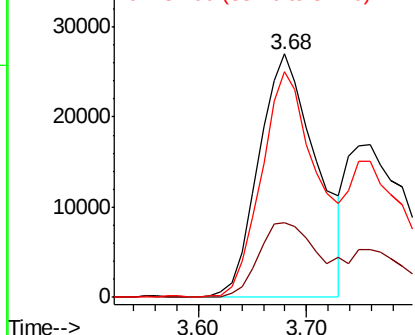
#31
Cyclohexane
Concen: 27.164 ug/l
RT: 3.68 min Scan# 309
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 100504
Ion Ratio Lower Upper
56 100
69 30.7 24.6 36.8
84 92.7 74.2 111.2

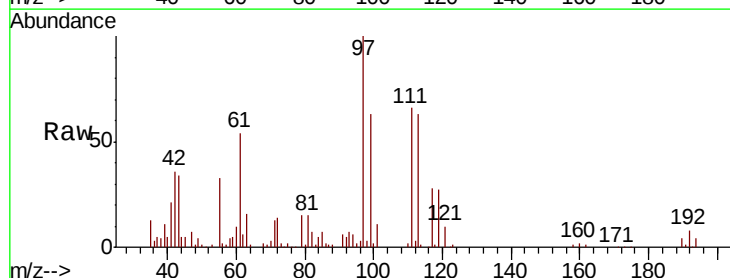


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

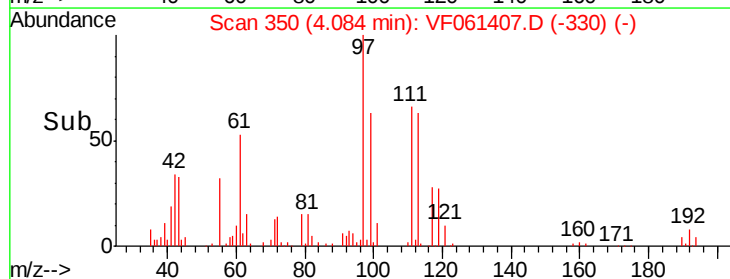
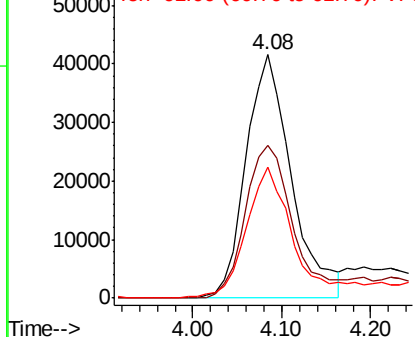


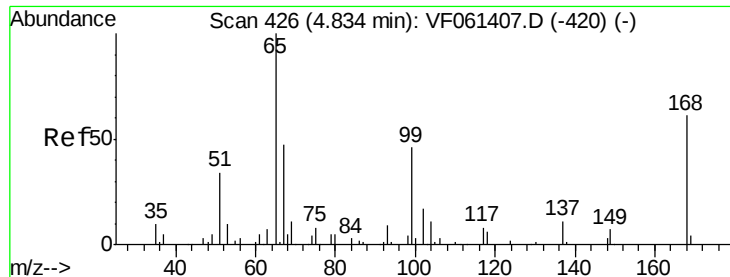
#32
1,1,1-Trichloroethane
Concen: 39.488 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion: 97 Resp: 146933
Ion Ratio Lower Upper
97 100
99 62.6 50.1 75.1
61 53.9 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: 51.615 ug/l

RT: 4.83 min Scan# 426

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

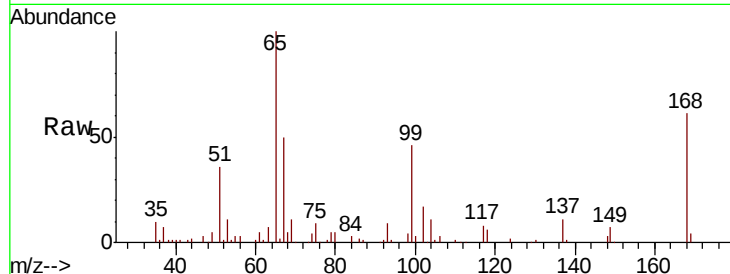
VSTDICCC050

Tgt Ion: 65 Resp: 112027

Ion Ratio Lower Upper

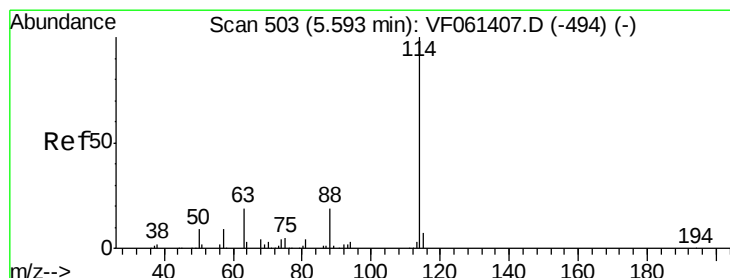
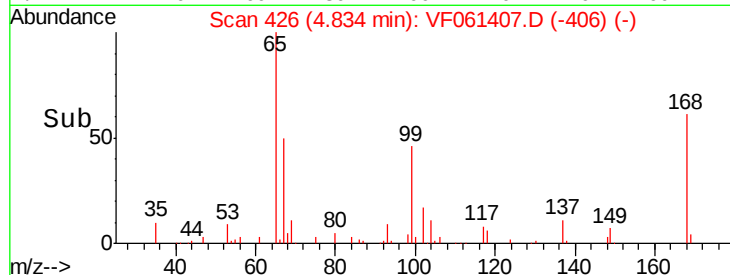
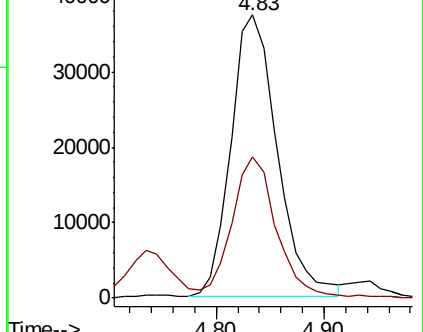
65 100

67 49.9 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

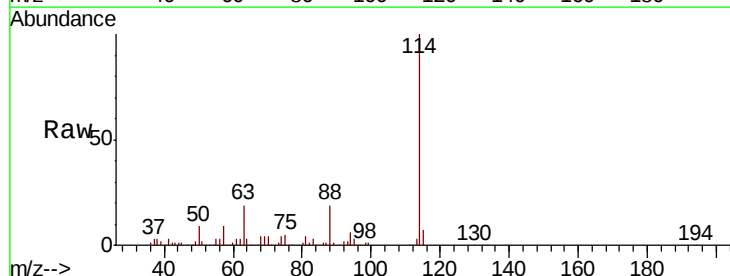
Tgt Ion: 114 Resp: 309331

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

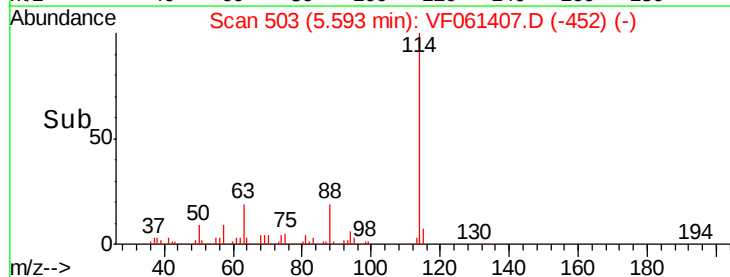
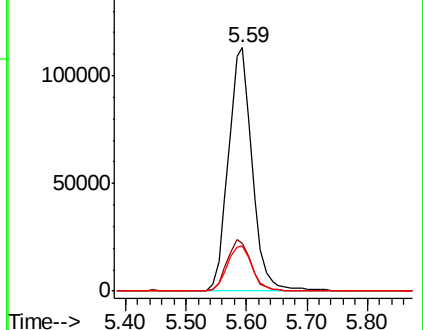
88 18.7 0.0 37.4

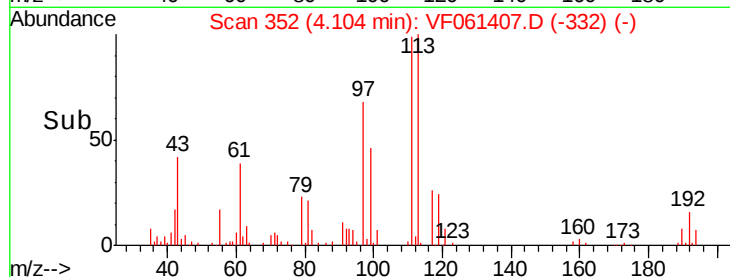
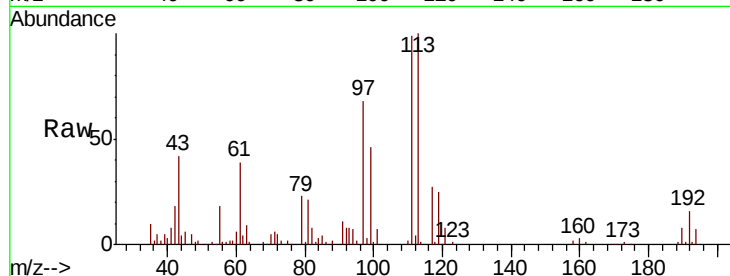
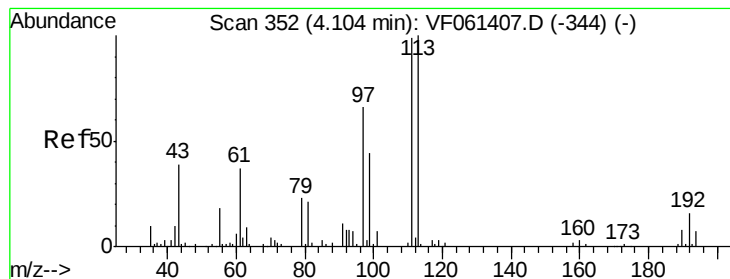


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 49.638 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

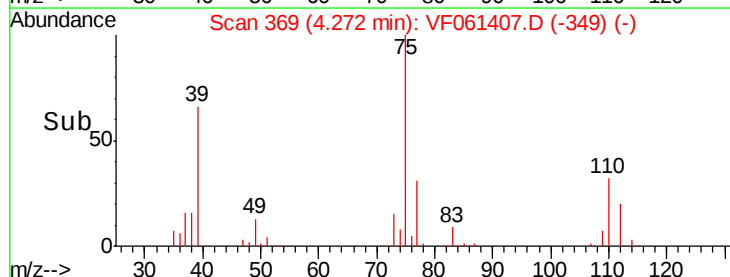
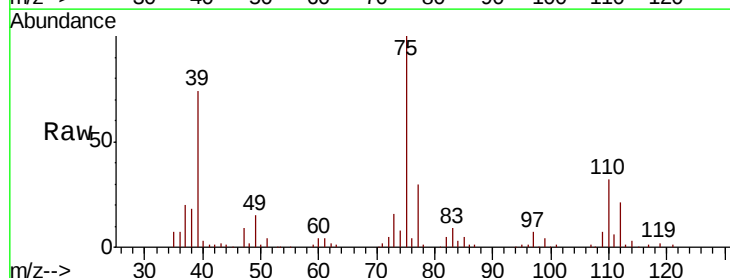
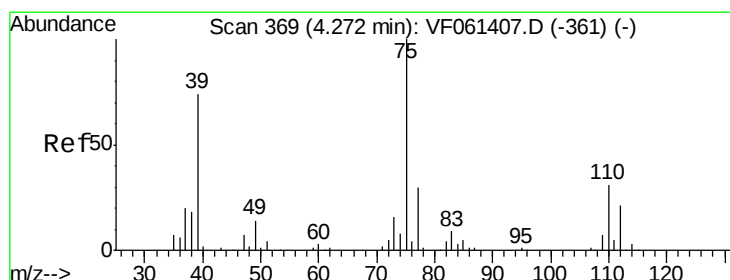
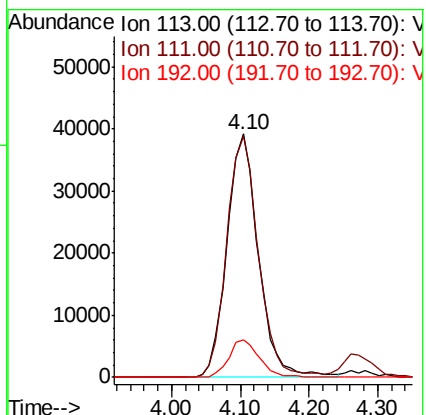
Tgt Ion: 113 Resp: 124120

Ion Ratio Lower Upper

113 100

111 99.2 79.4 119.0

192 15.5 12.4 18.6



#36

1,1-Dichloropropene

Concen: 49.591 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

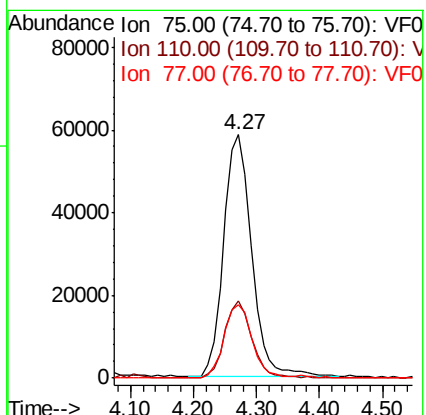
Tgt Ion: 75 Resp: 181912

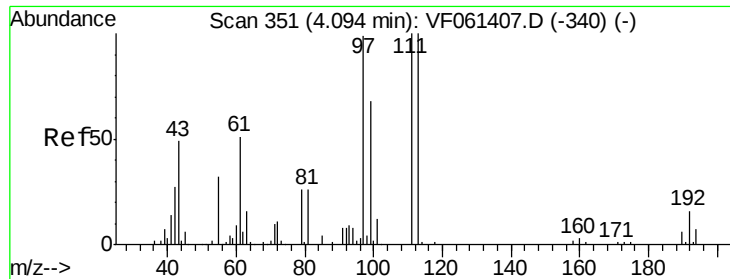
Ion Ratio Lower Upper

75 100

110 31.5 15.8 47.3

77 30.0 24.0 36.0

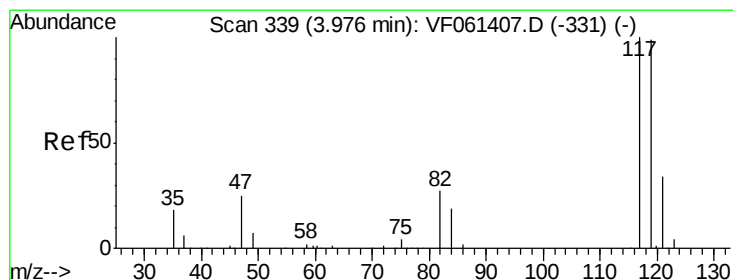
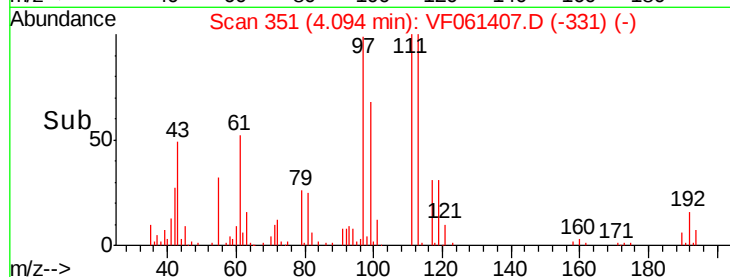
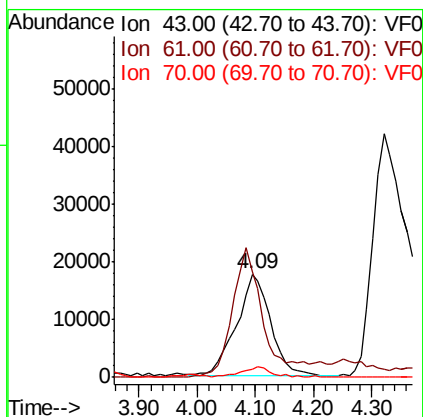
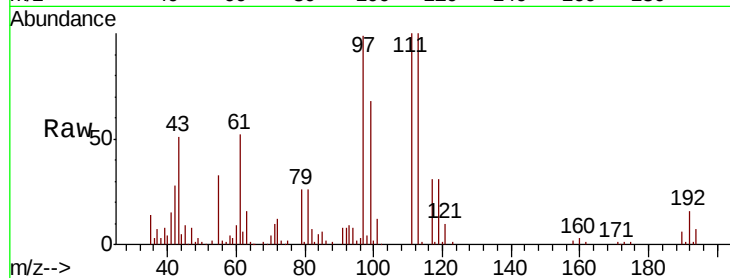




#37
Ethyl Acetate
Concen: 48.150 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

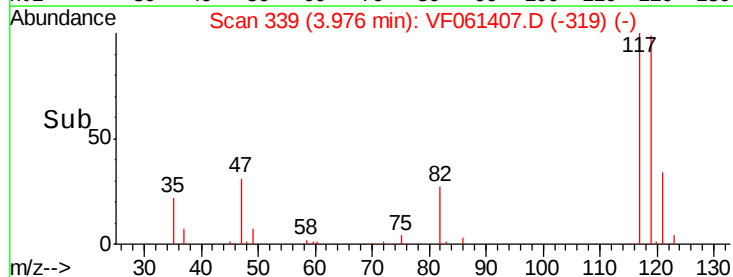
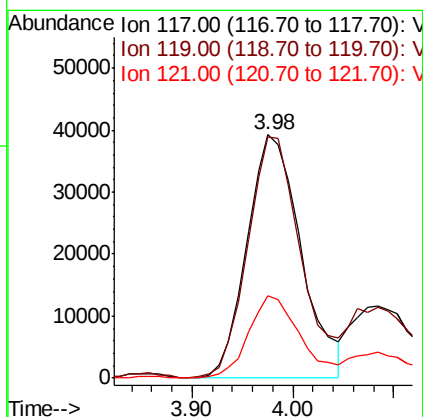
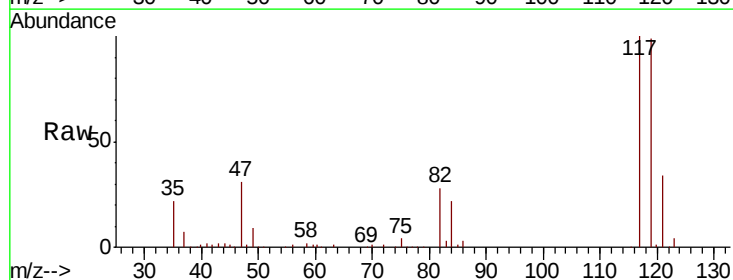
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 71715
Ion Ratio Lower Upper
43 100
61 102.1 81.7 122.5
70 7.7 6.2 9.2



#38
Carbon Tetrachloride
Concen: 36.865 ug/l
RT: 3.98 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion: 117 Resp: 146504
Ion Ratio Lower Upper
117 100
119 98.8 79.0 118.6
121 33.8 27.0 40.6

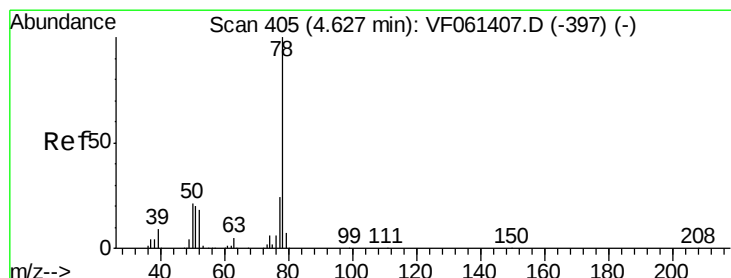
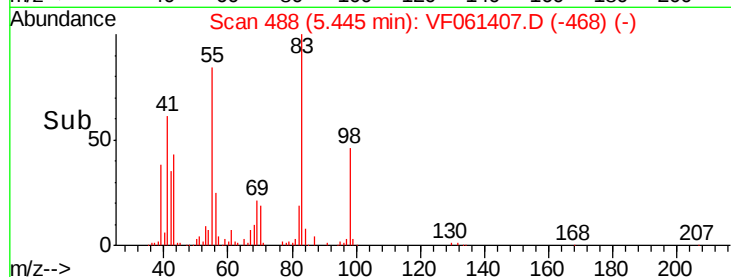
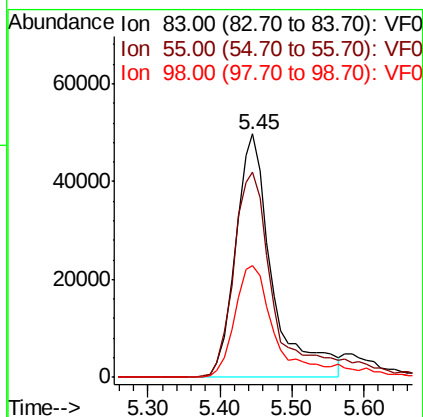
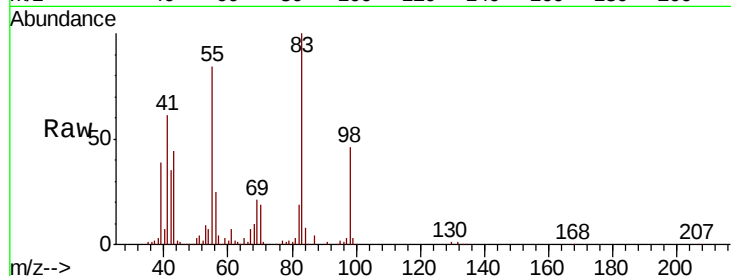




#39
Methylcyclohexane
Concen: 43.738 ug/l
RT: 5.45 min Scan# 488
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

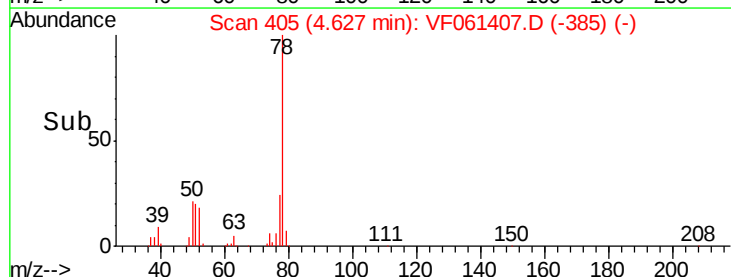
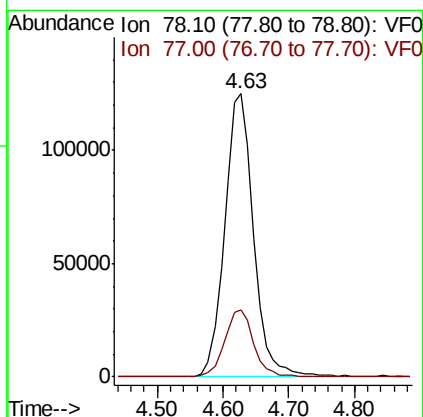
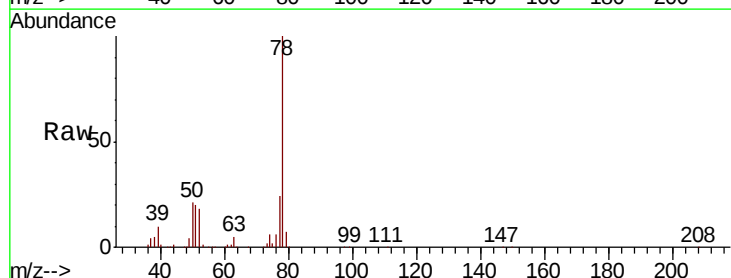
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 177133
Ion Ratio Lower Upper
83 100
55 84.3 67.4 101.2
98 45.9 36.7 55.1



#40
Benzene
Concen: 45.891 ug/l
RT: 4.63 min Scan# 405
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion: 78 Resp: 381753
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6





#41

Methacrylonitrile

Concen: 46.541 ug/l

RT: 4.74 min Scan# 416

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 36512

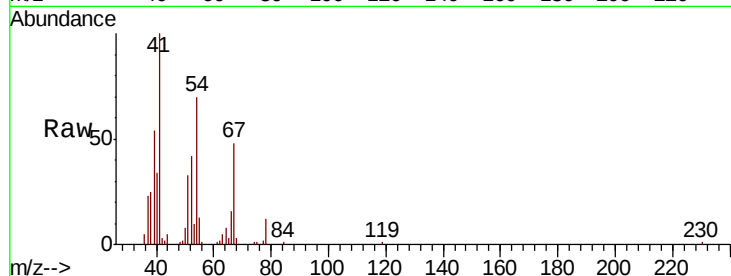
Ion Ratio Lower Upper

41 100

39 53.9 43.1 64.7

67 48.5 38.8 58.2

52 41.5 33.2 49.8

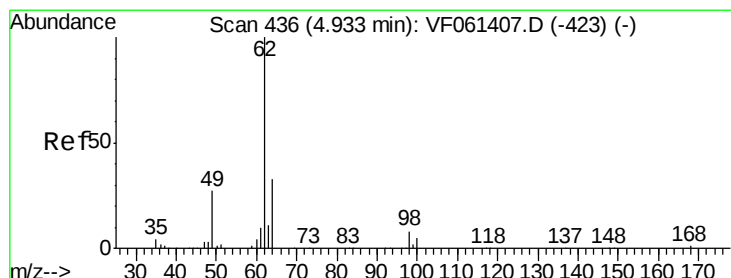
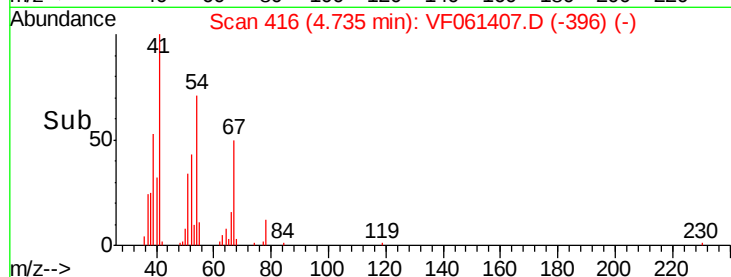
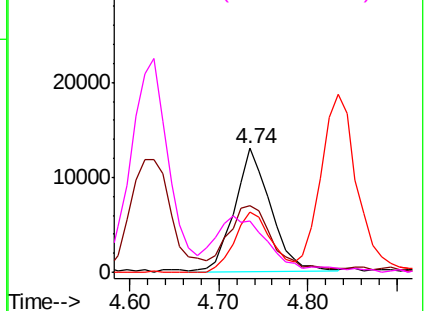


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 51.779 ug/l

RT: 4.93 min Scan# 436

Delta R.T. 0.00 min

Lab File: VF061407.D

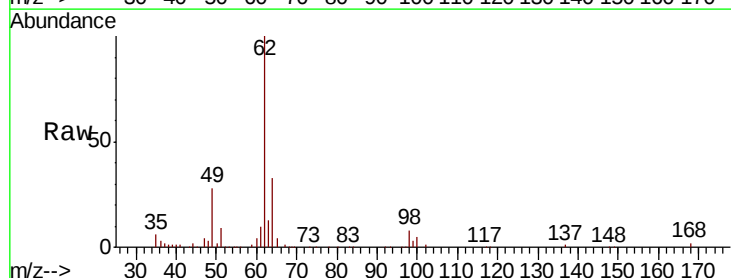
Acq: 15 Jan 2019 15:27

Tgt Ion: 62 Resp: 149289

Ion Ratio Lower Upper

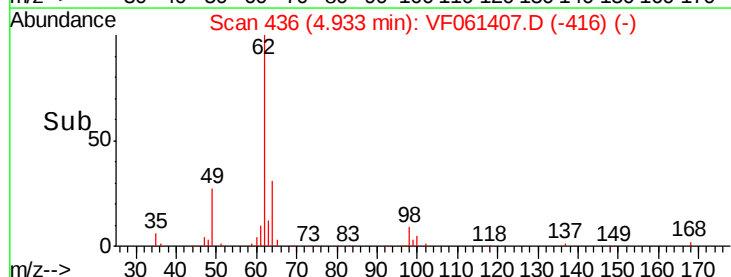
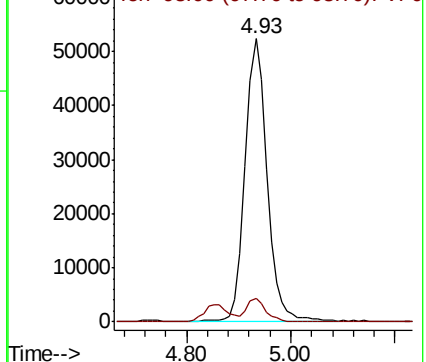
62 100

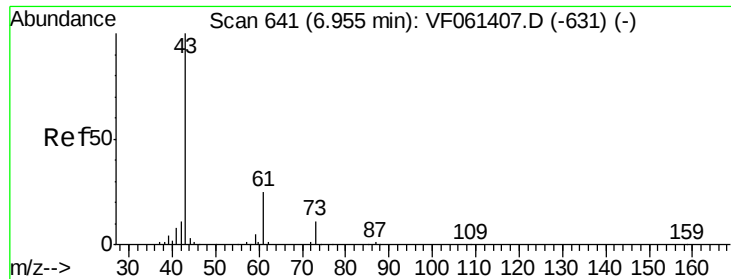
98 8.5 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



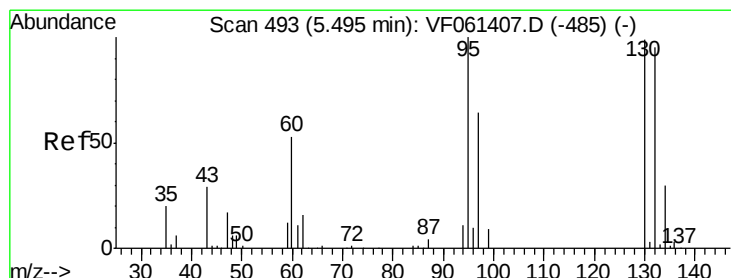
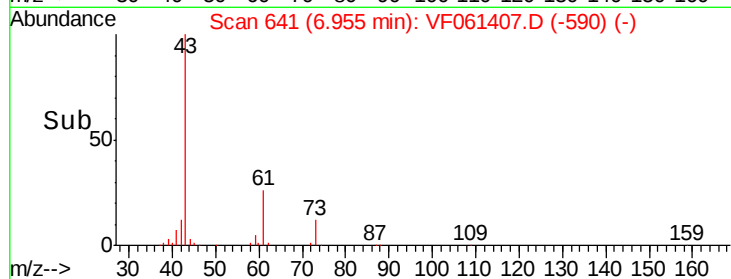
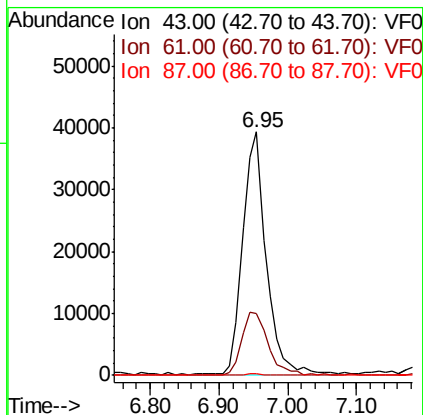
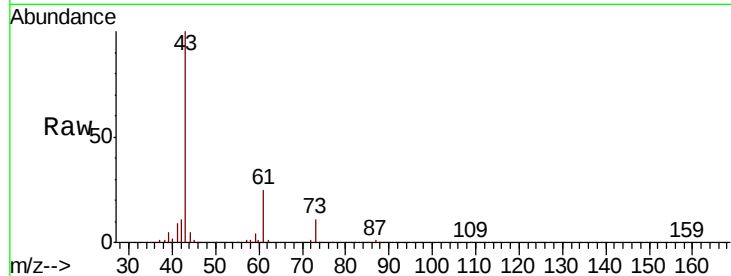


#43

Isopropyl Acetate
 Concen: 51.824 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

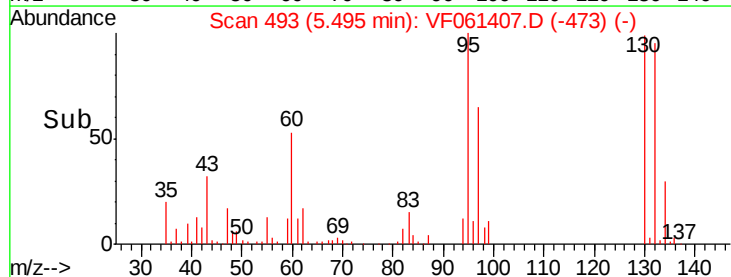
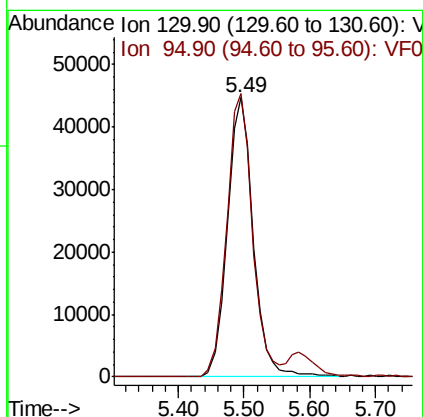
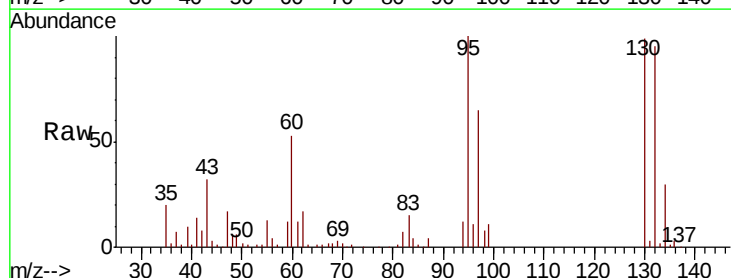
Tgt Ion: 43 Resp: 92294
 Ion Ratio Lower Upper
 43 100
 61 25.4 20.3 30.5
 87 0.6 0.5 0.7

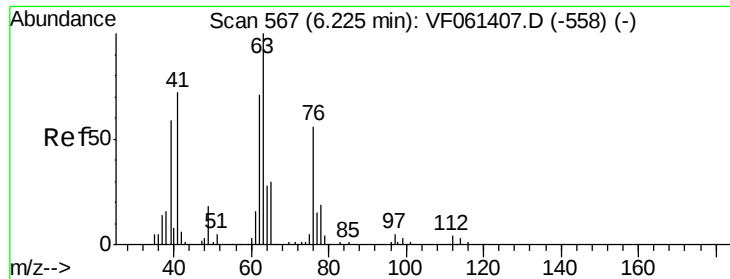


#44

Trichloroethene
 Concen: 48.092 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion: 130 Resp: 122899
 Ion Ratio Lower Upper
 130 100
 95 101.4 0.0 202.8





#45

1,2-Dichloropropane

Concen: 51.386 ug/l

RT: 6.22 min Scan# 567

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

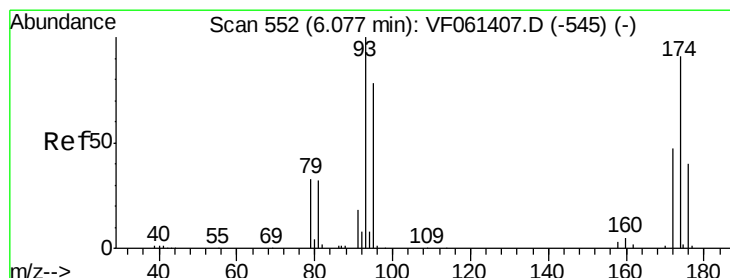
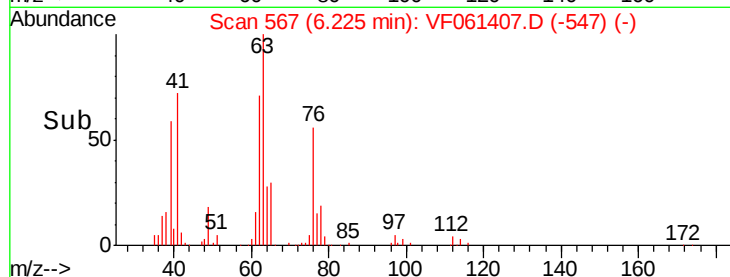
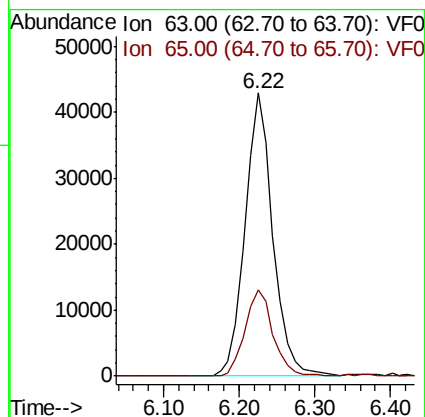
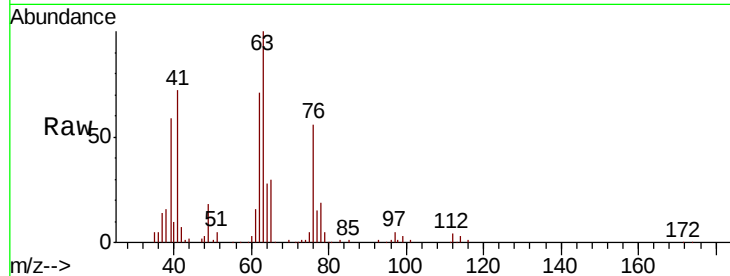
VSTDICCC050

Tgt Ion: 63 Resp: 109575

Ion Ratio Lower Upper

63 100

65 30.5 24.4 36.6



#46

Dibromomethane

Concen: 52.704 ug/l

RT: 6.08 min Scan# 552

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

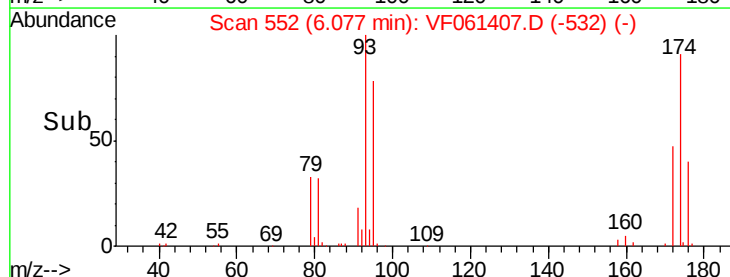
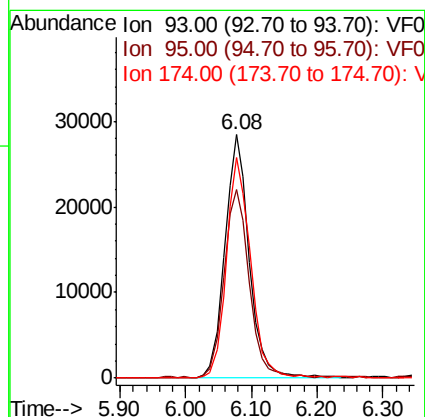
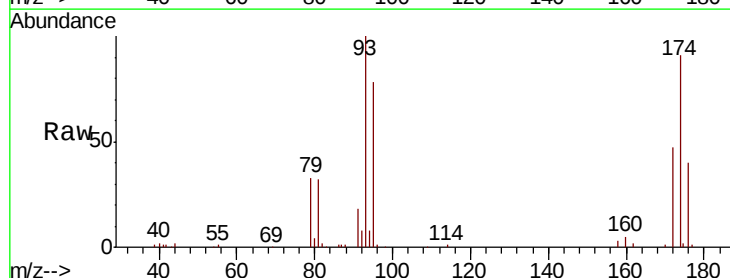
Tgt Ion: 93 Resp: 73682

Ion Ratio Lower Upper

93 100

95 77.6 62.1 93.1

174 93.2 74.6 111.8





#47

Bromodichloromethane

Concen: 51.509 ug/l

RT: 6.37 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

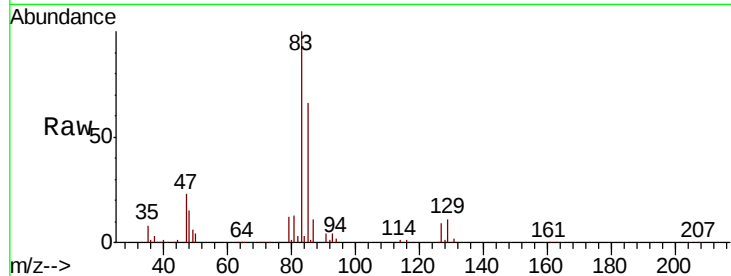
Tgt Ion: 83 Resp: 176203

Ion Ratio Lower Upper

83 100

85 66.2 53.0 79.4

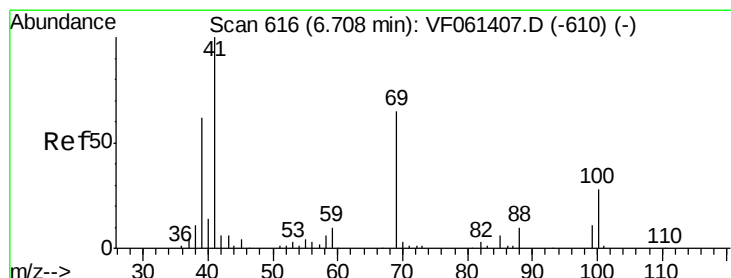
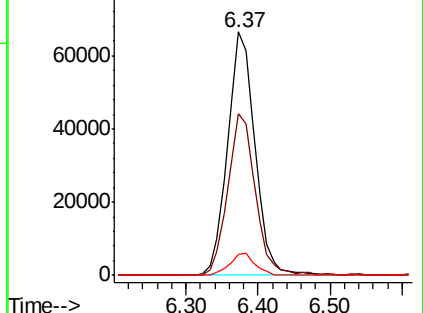
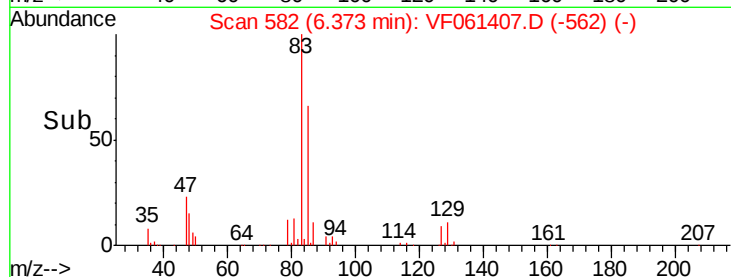
127 8.6 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 51.766 ug/l

RT: 6.71 min Scan# 616

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

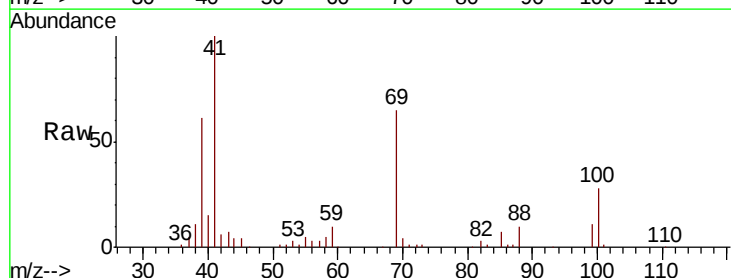
Tgt Ion: 41 Resp: 62241

Ion Ratio Lower Upper

41 100

69 64.6 51.7 77.5

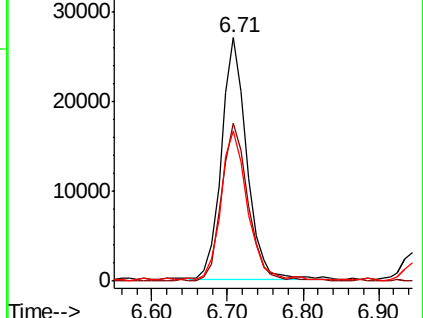
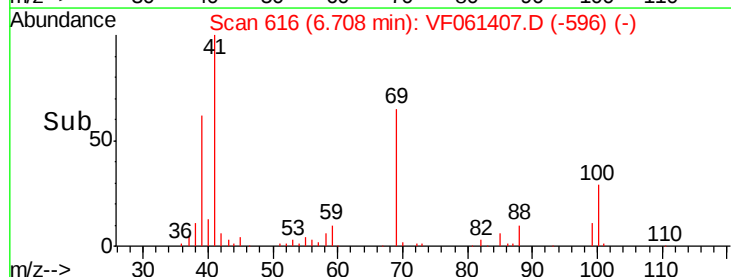
39 61.5 49.2 73.8

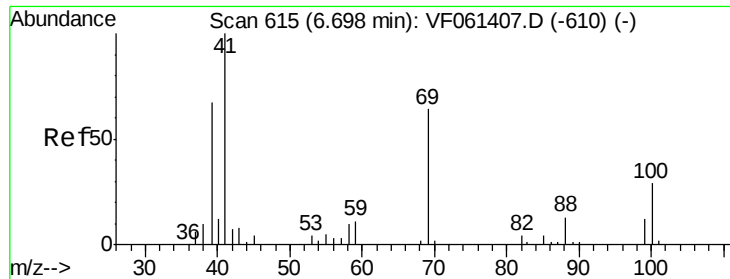


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1125.658 ug/l

RT: 6.70 min Scan# 615

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

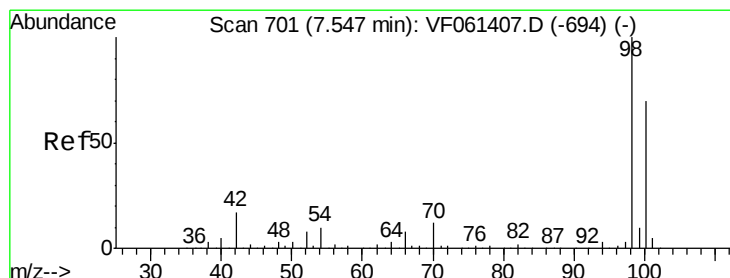
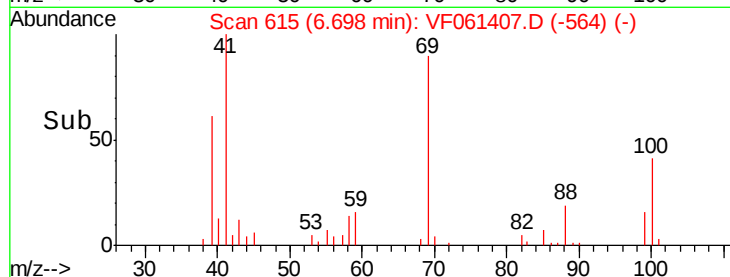
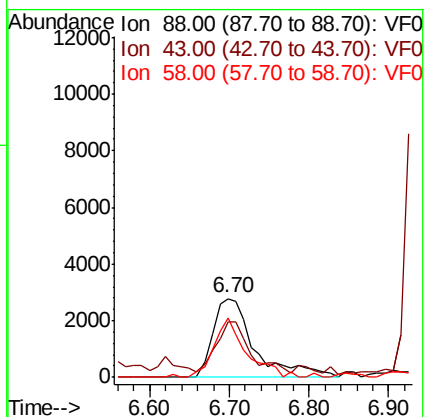
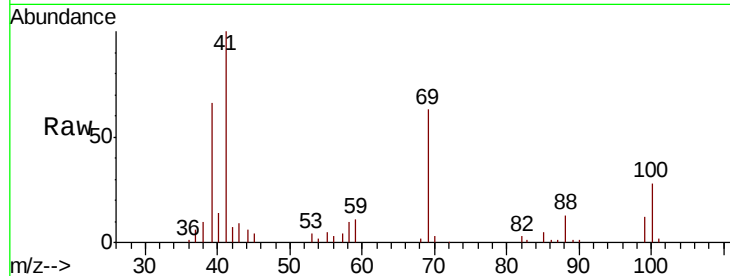
Tgt Ion: 88 Resp: 10109

Ion Ratio Lower Upper

88 100

43 69.4 55.5 83.3

58 74.9 59.9 89.9



#50

Toluene-d8

Concen: 48.923 ug/l

RT: 7.55 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF061407.D

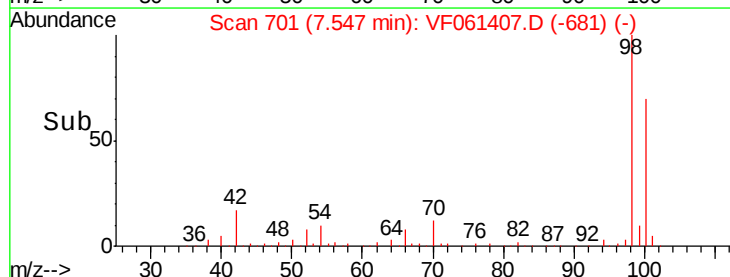
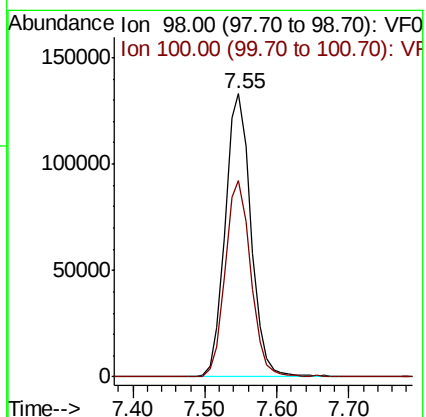
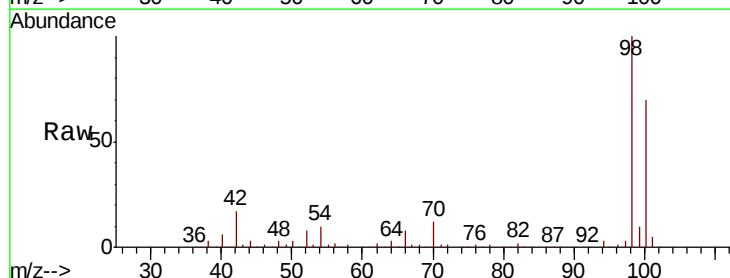
Acq: 15 Jan 2019 15:27

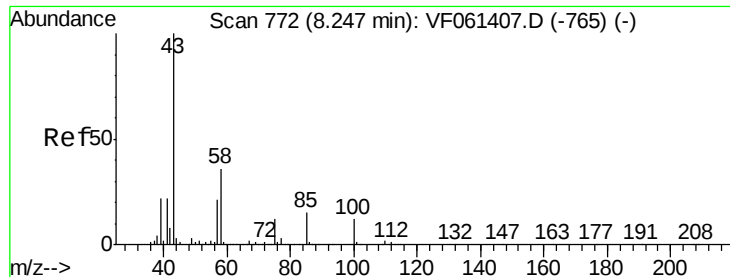
Tgt Ion: 98 Resp: 330684

Ion Ratio Lower Upper

98 100

100 69.5 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 236.863 ug/l

RT: 8.25 min Scan# 772

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

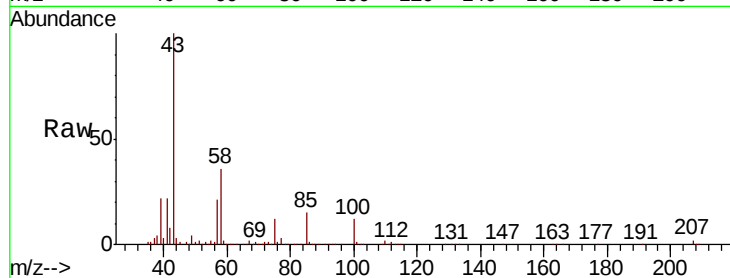
VSTDICCC050

Tgt Ion: 43 Resp: 330362

Ion Ratio Lower Upper

43 100

58 36.0 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

150000

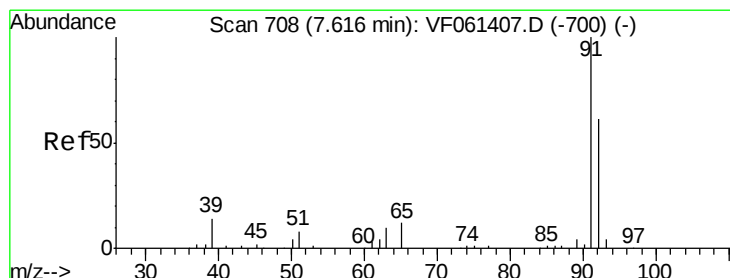
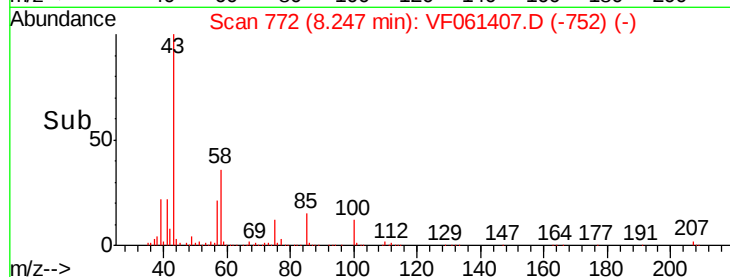
100000

50000

0

Time-->

8.10 8.20 8.30 8.40



#52

Toluene

Concen: 46.700 ug/l

RT: 7.62 min Scan# 708

Delta R.T. 0.00 min

Lab File: VF061407.D

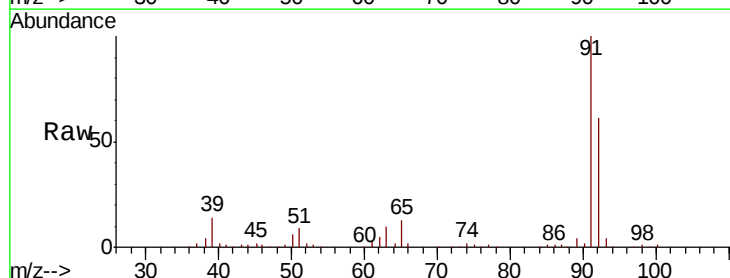
Acq: 15 Jan 2019 15:27

Tgt Ion: 92 Resp: 257968

Ion Ratio Lower Upper

92 100

91 164.0 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

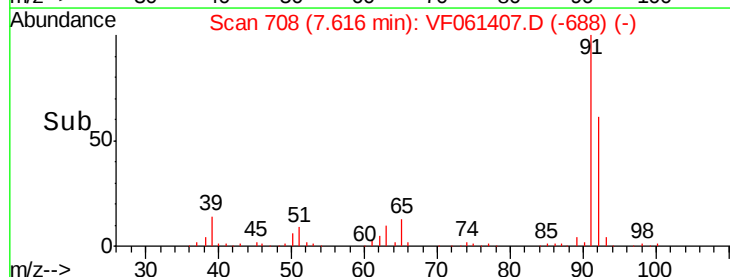
100000

50000

0

Time-->

7.50 7.60 7.70

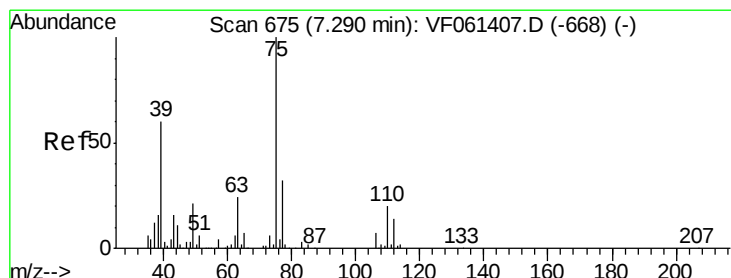
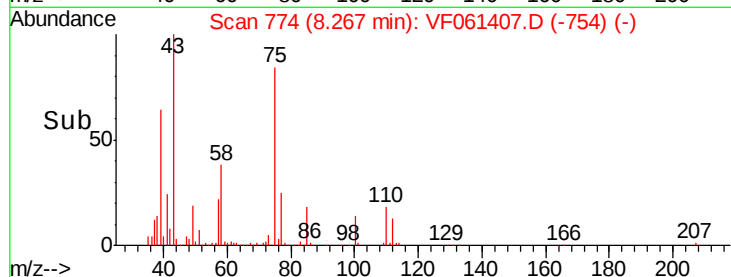
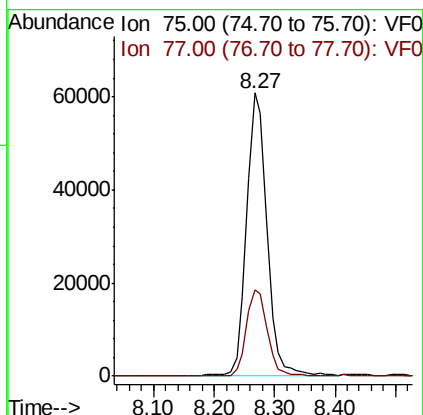
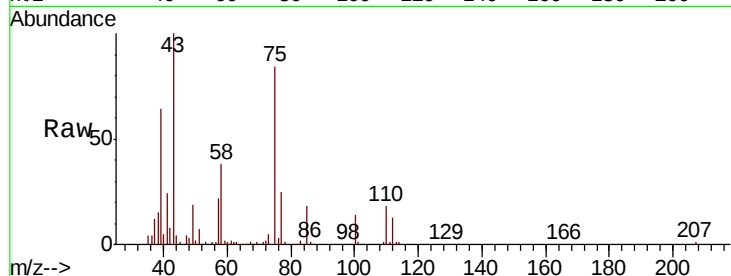




#53
 t-1,3-Dichloropropene
 Concen: 52.158 ug/l
 RT: 8.27 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

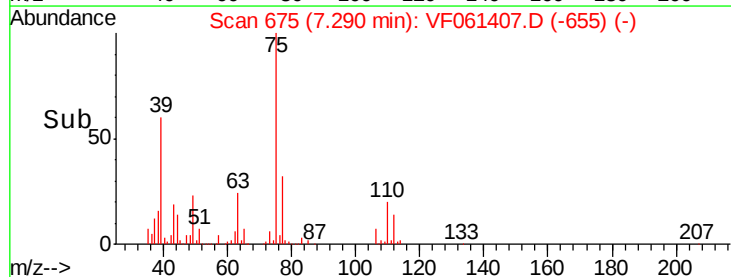
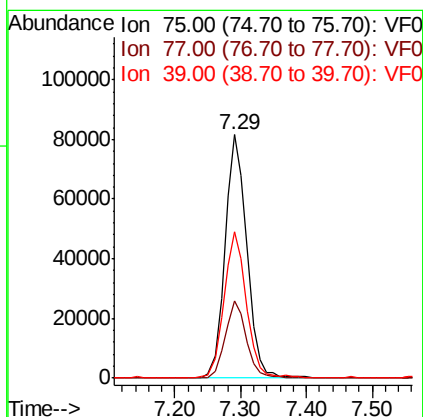
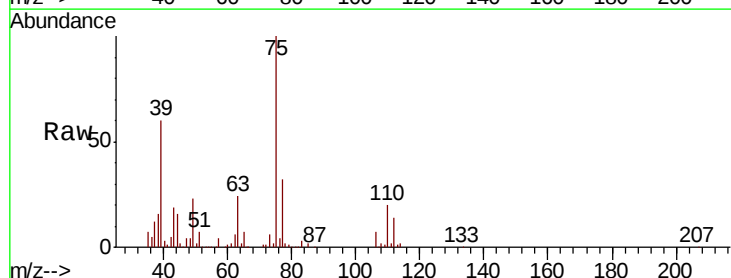
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

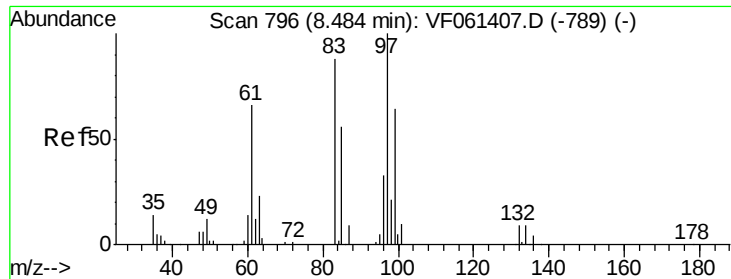
Tgt Ion: 75 Resp: 143938
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.4 36.6



#54
 cis-1,3-Dichloropropene
 Concen: 54.654 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion: 75 Resp: 189705
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0
 39 59.8 47.8 71.8

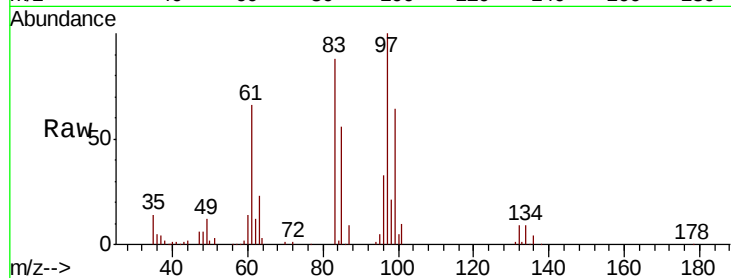




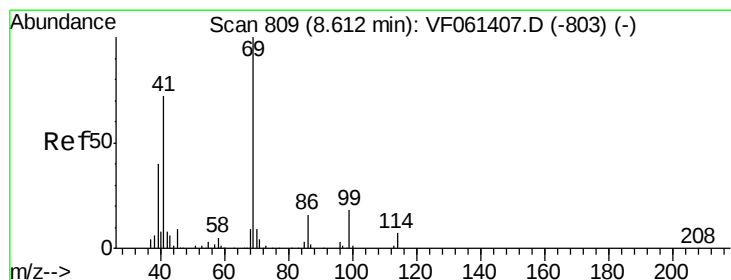
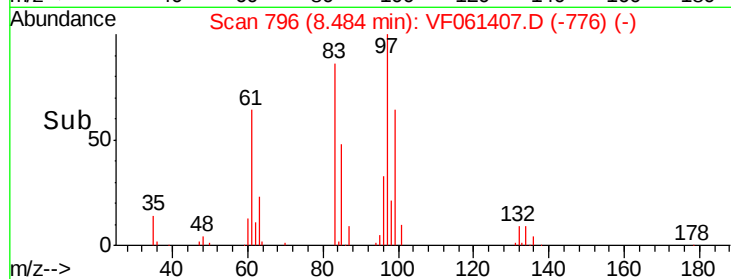
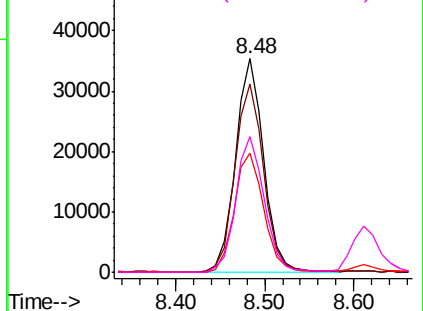
#55
 1,1,2-Trichloroethane
 Concen: 51.659 ug/l
 RT: 8.48 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion:	97	Resp:	77557
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.4	105.6
85	55.9	44.7	67.1
99	63.5	50.8	76.2

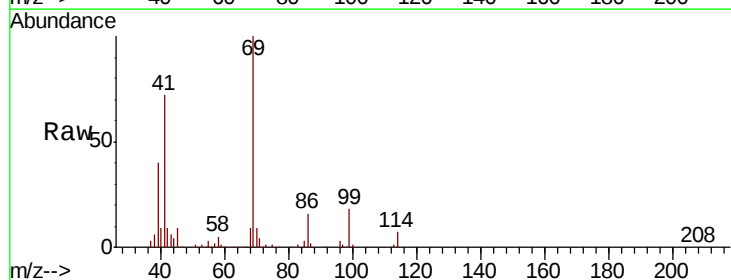


Abundance Ion 97.00 (96.70 to 97.70): VF0
 Ion 82.95 (82.65 to 83.65): VF0
 Ion 84.95 (84.65 to 85.65): VF0
 Ion 98.95 (98.65 to 99.65): VF0

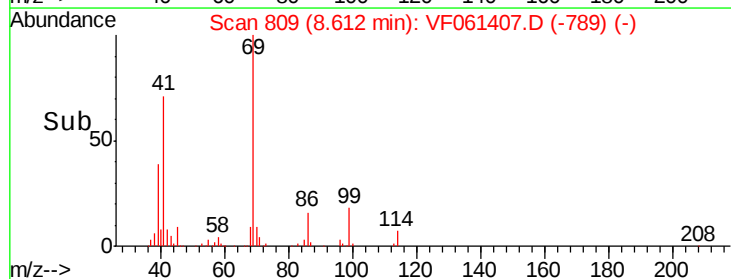
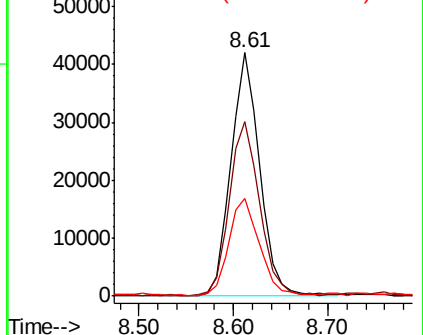


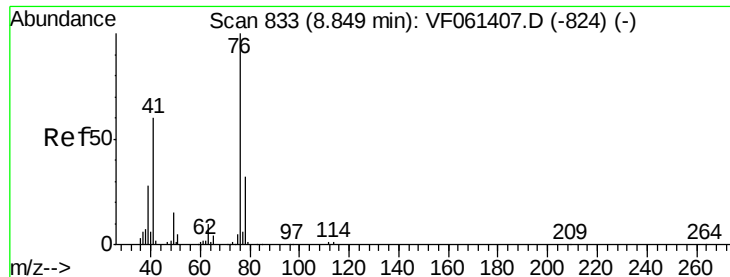
#56
 Ethyl methacrylate
 Concen: 51.545 ug/l
 RT: 8.61 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion:	69	Resp:	88684
Ion	Ratio	Lower	Upper
69	100		
41	71.9	57.5	86.3
39	40.0	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

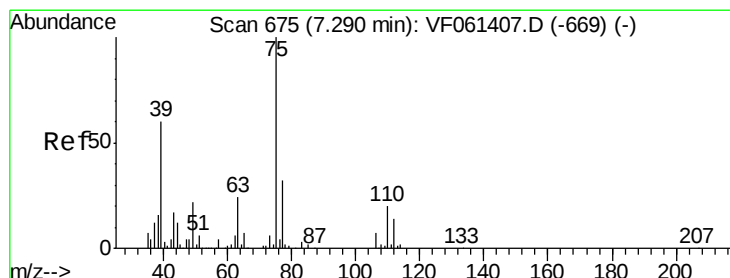
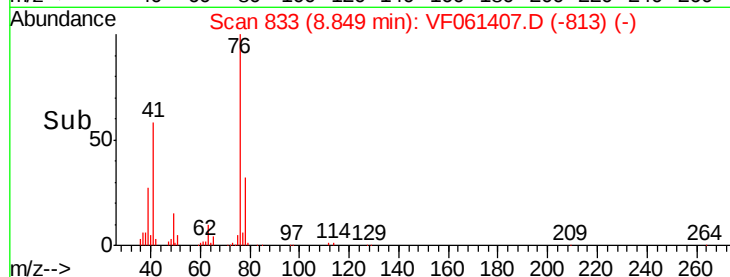
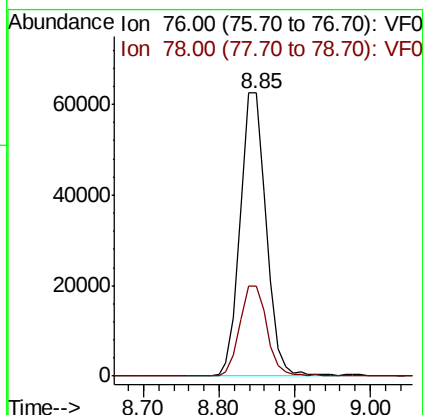
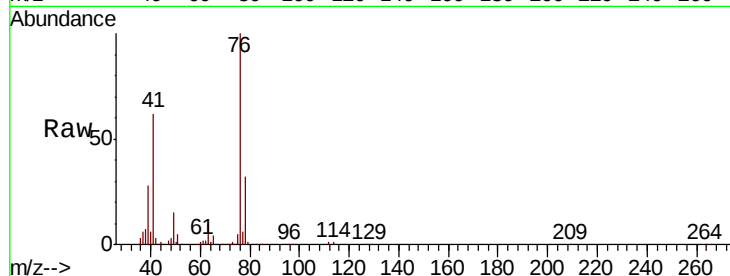




#57
 1,3-Dichloropropane
 Concen: 53.505 ug/l
 RT: 8.85 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

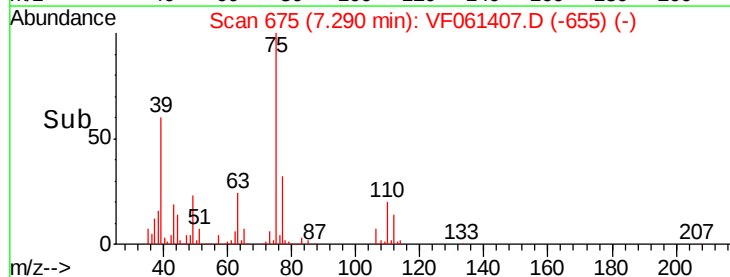
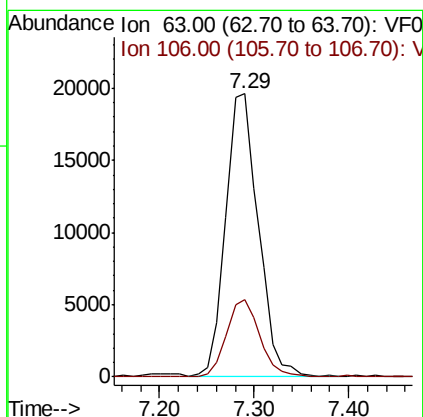
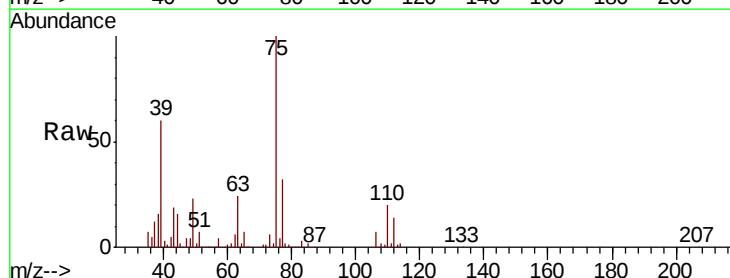
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

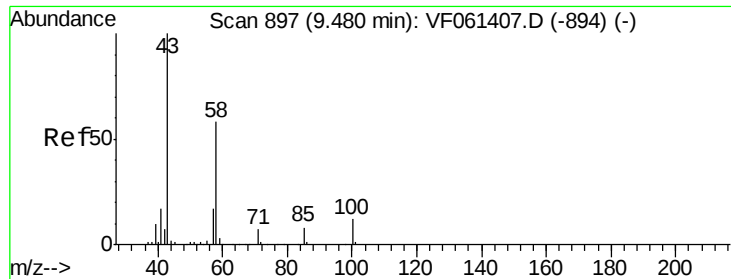
Tgt Ion: 76 Resp: 149010
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 405.069 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion: 63 Resp: 47147
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.9 32.9

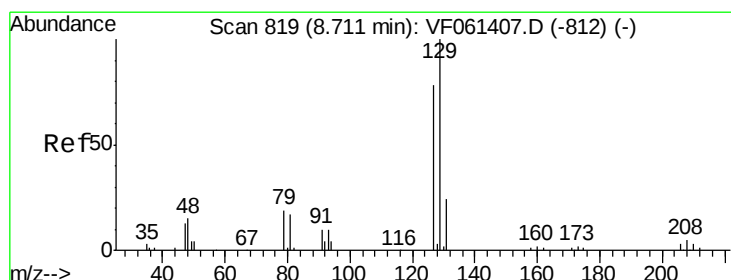
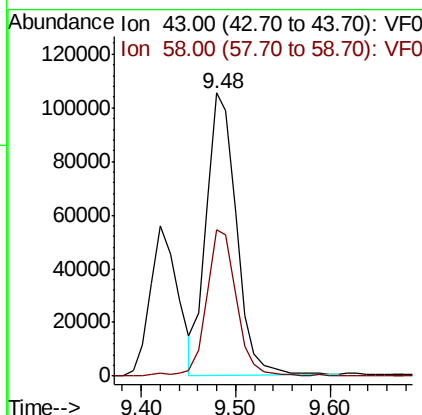
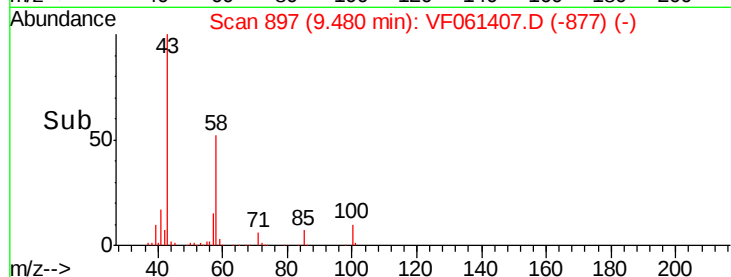
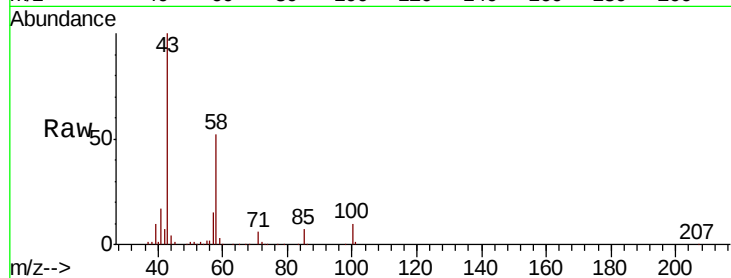




#59
2-Hexanone
Concen: 240.146 ug/l
RT: 9.48 min Scan# 897
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

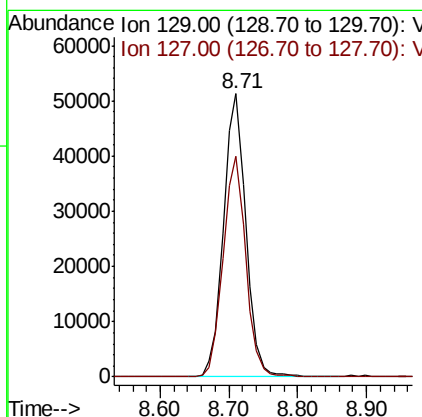
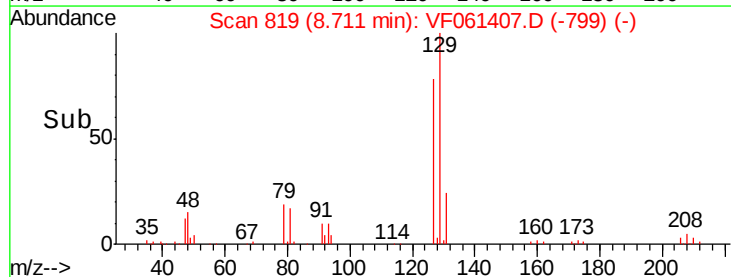
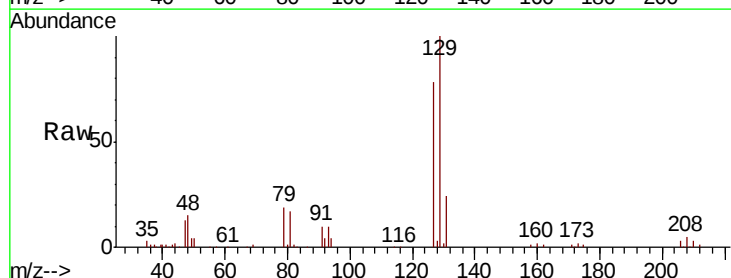
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

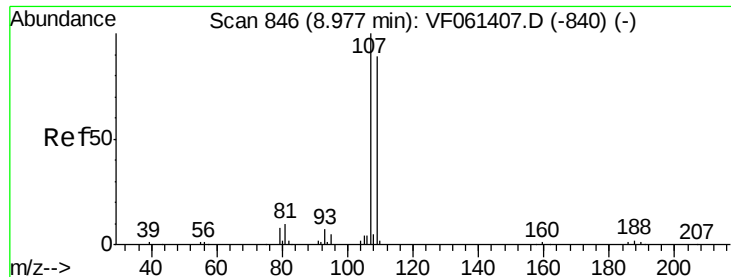
Tgt Ion: 43 Resp: 233143
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6



#60
Dibromochloromethane
Concen: 54.232 ug/l
RT: 8.71 min Scan# 819
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion: 129 Resp: 115719
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.153 ug/l

RT: 8.98 min Scan# 846

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

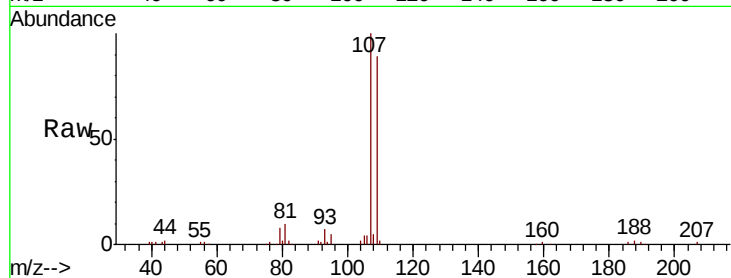
VSTDICCC050

Tgt Ion: 107 Resp: 89585

Ion Ratio Lower Upper

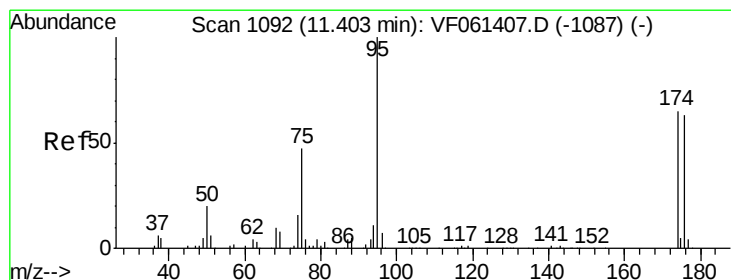
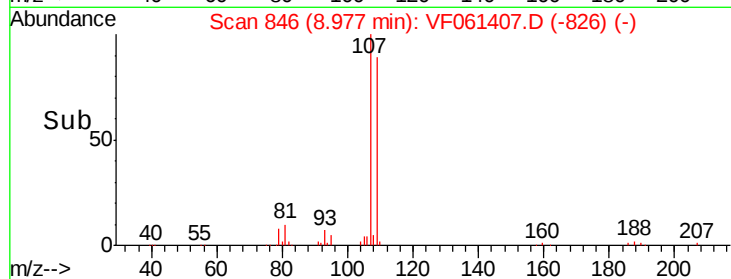
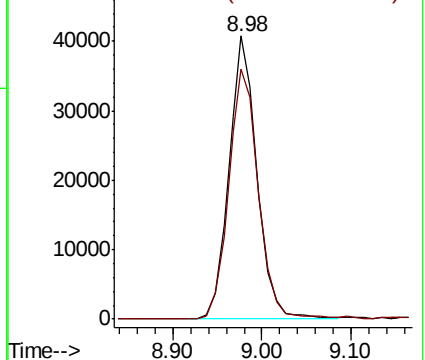
107 100

109 88.5 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.655 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

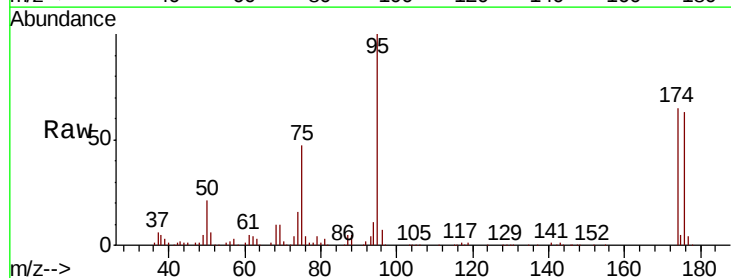
Tgt Ion: 95 Resp: 155613

Ion Ratio Lower Upper

95 100

174 65.2 0.0 130.4

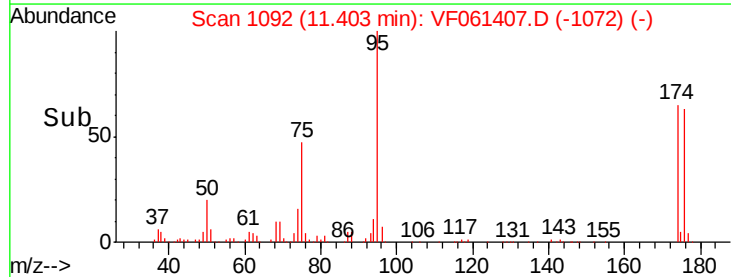
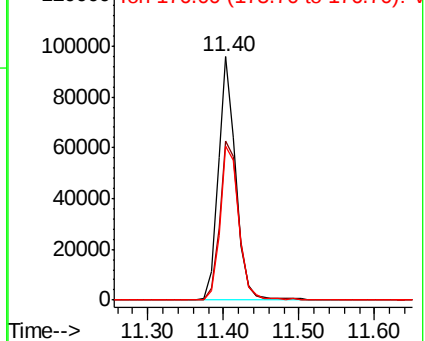
176 63.1 0.0 126.2

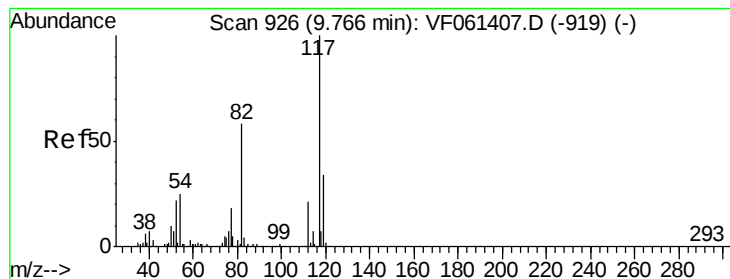


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 926

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

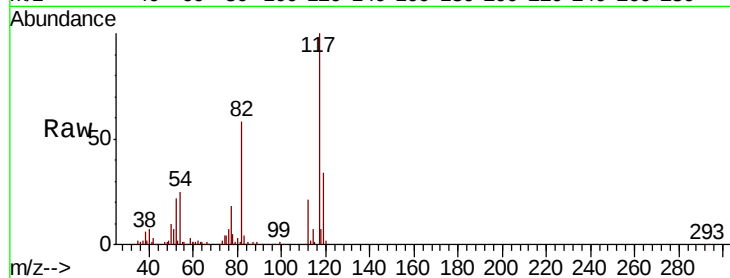
Tgt Ion:117 Resp: 290052

Ion Ratio Lower Upper

117 100

82 58.0 46.4 69.6

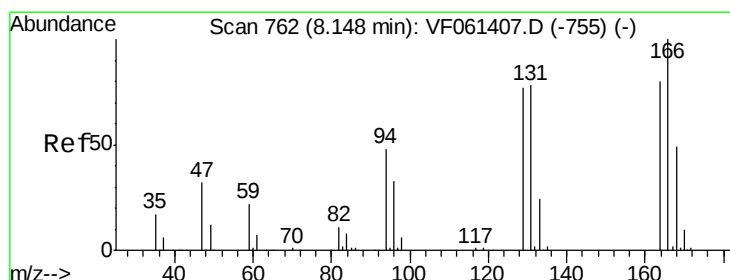
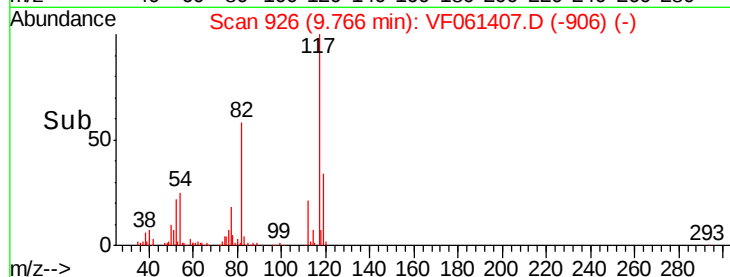
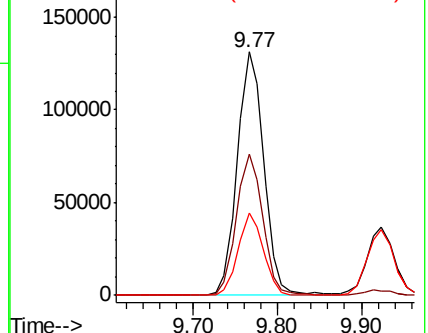
119 34.0 27.2 40.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 51.460 ug/l

RT: 8.15 min Scan# 762

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion:164 Resp: 113699

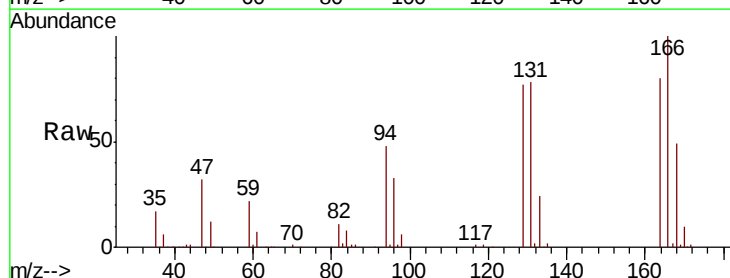
Ion Ratio Lower Upper

164 100

166 124.5 99.6 149.4

129 95.5 76.4 114.6

131 97.4 77.9 116.9

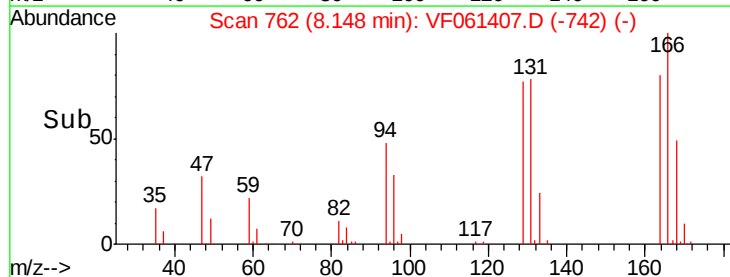
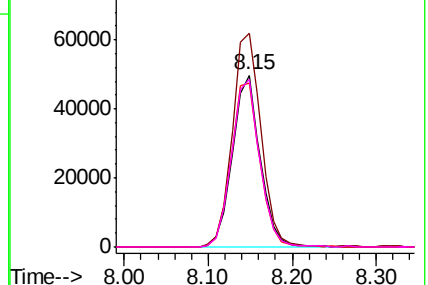


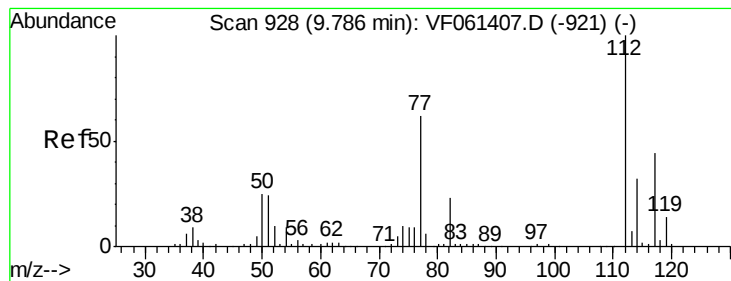
Abundance Ion 163.85 (163.55 to 164.55): V

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: 48.531 ug/l

RT: 9.79 min Scan# 928

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

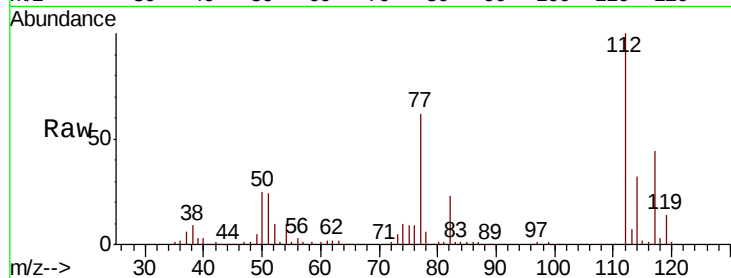
VSTDICCC050

Tgt Ion:112 Resp: 298310

Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.79

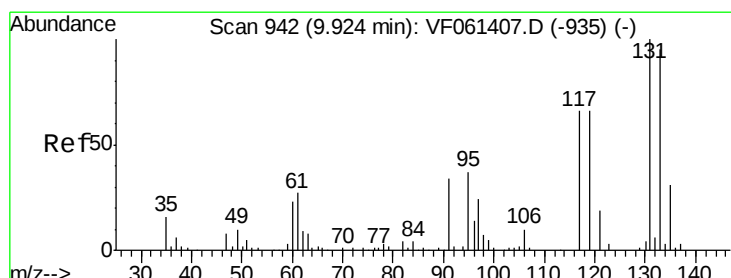
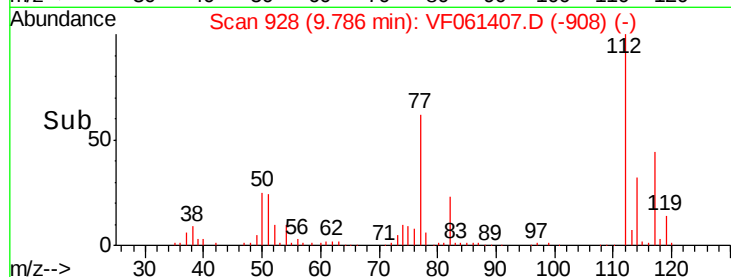
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.798 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

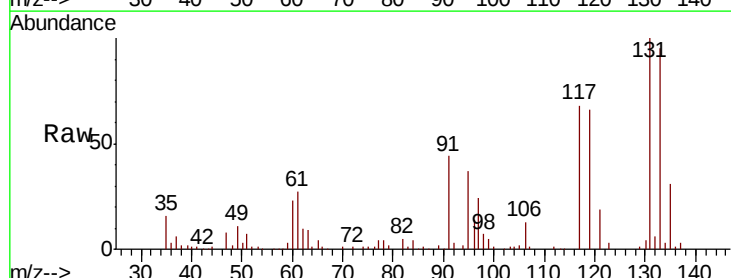
Tgt Ion:131 Resp: 117415

Ion Ratio Lower Upper

131 100

133 94.8 47.4 142.2

119 66.2 33.1 99.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

9.92

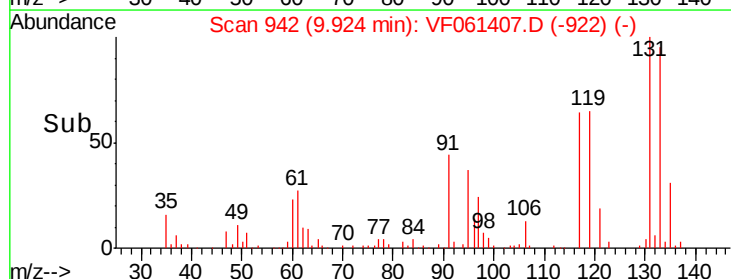
60000

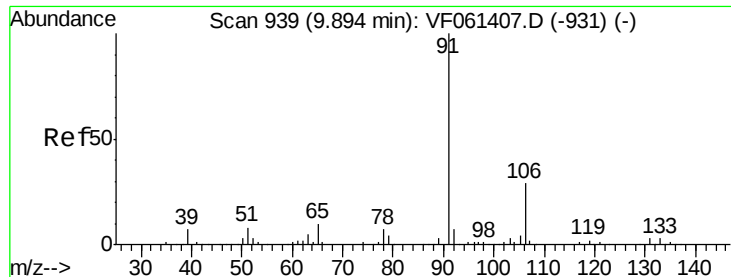
40000

20000

0

Time-->

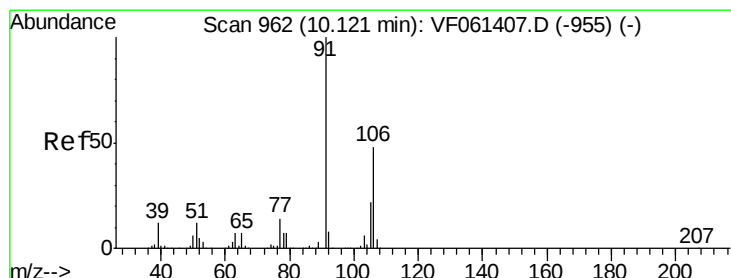
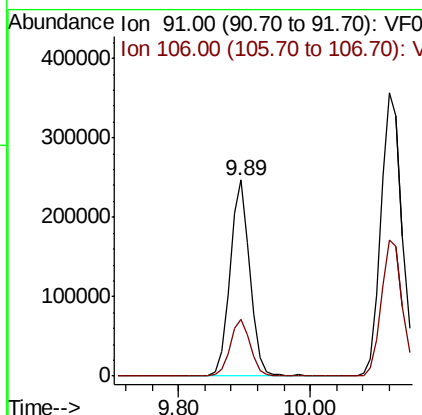
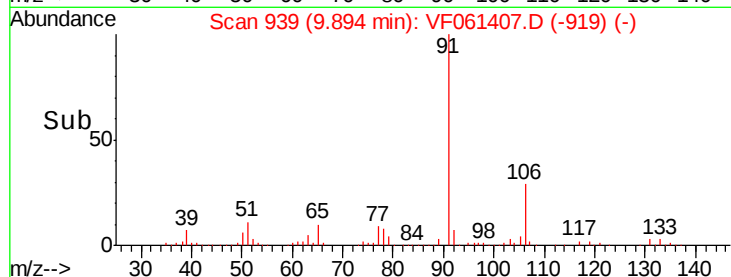
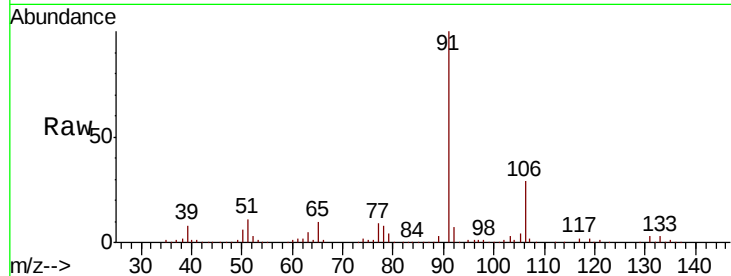




#67
Ethyl Benzene
Concen: 45.802 ug/l
RT: 9.89 min Scan# 939
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

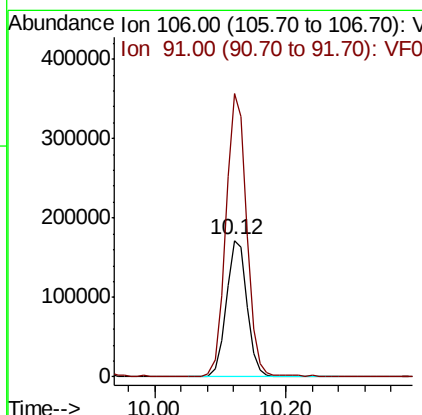
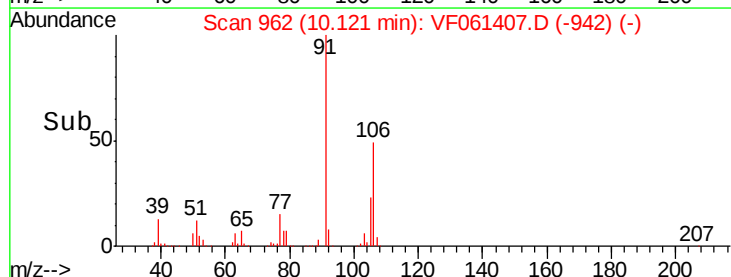
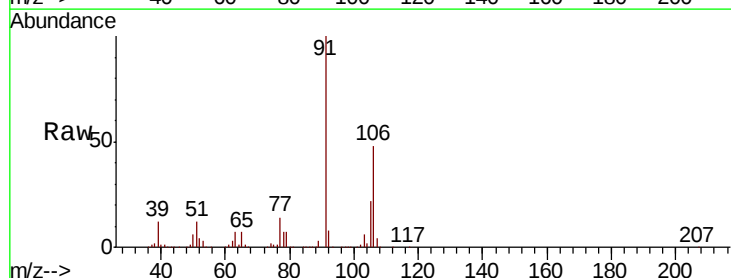
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

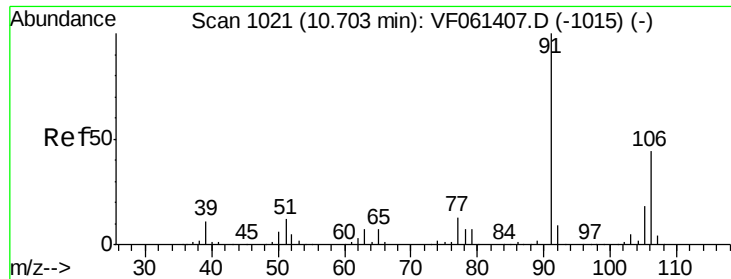
Tgt Ion: 91 Resp: 521286
Ion Ratio Lower Upper
91 100
106 28.9 23.1 34.7



#68
m/p-Xylenes
Concen: 92.491 ug/l
RT: 10.12 min Scan# 962
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion: 106 Resp: 379764
Ion Ratio Lower Upper
106 100
91 207.8 166.2 249.4

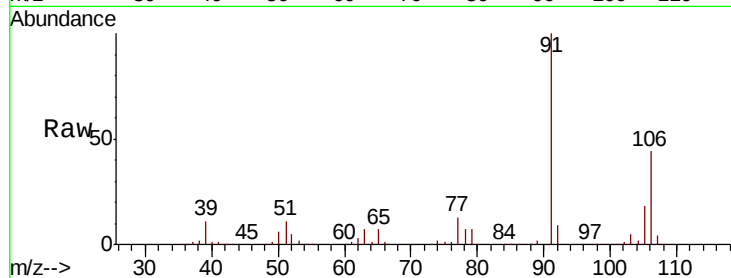




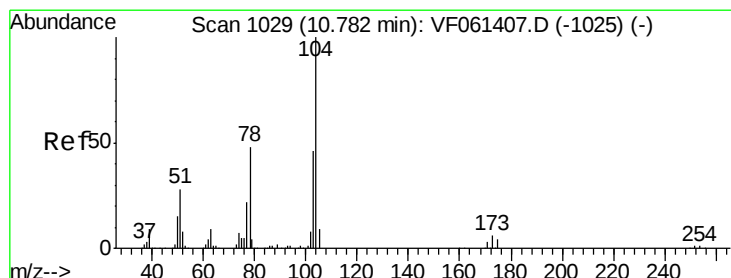
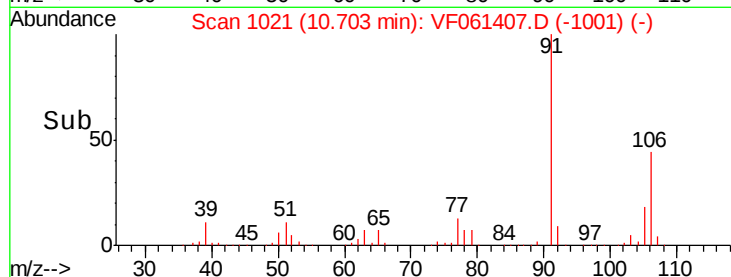
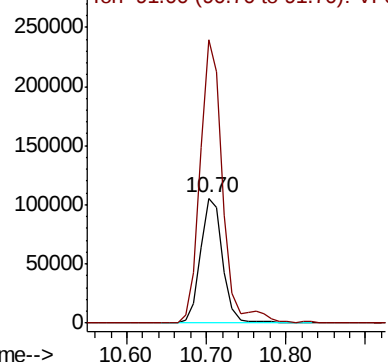
#69
o-Xylene
Concen: 47.127 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampled :
VSTDICCC050

Tgt Ion:106 Resp: 206680
Ion Ratio Lower Upper
106 100
91 226.5 113.3 339.8

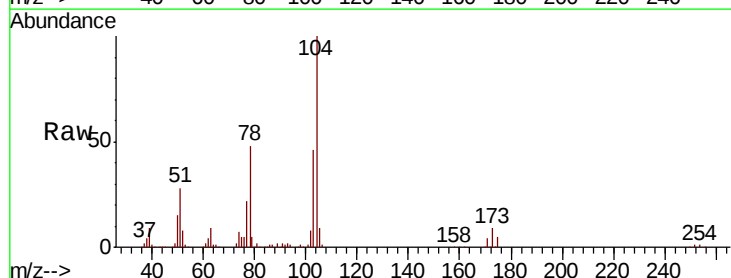


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

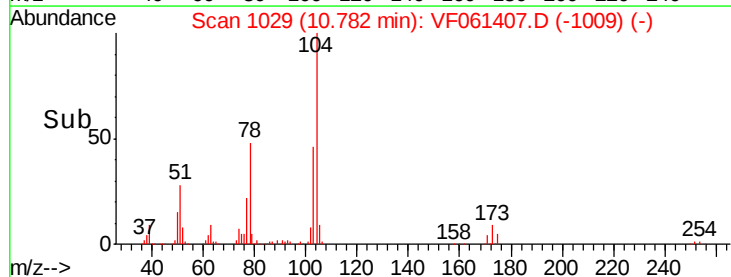
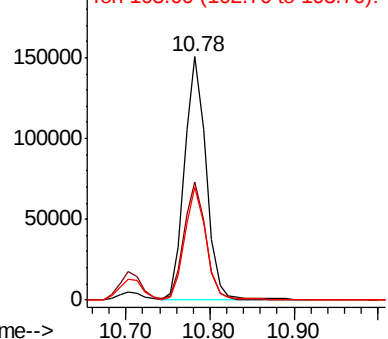


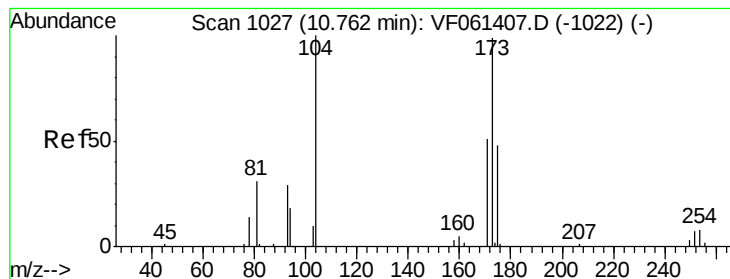
#70
Styrene
Concen: 44.173 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion:104 Resp: 268893
Ion Ratio Lower Upper
104 100
78 48.5 38.8 58.2
103 46.3 37.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.565 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

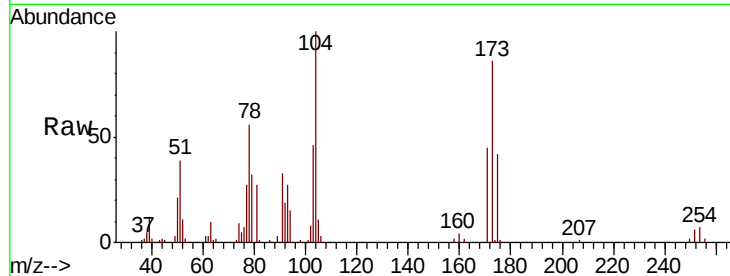
Tgt Ion:173 Resp: 55544

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.4

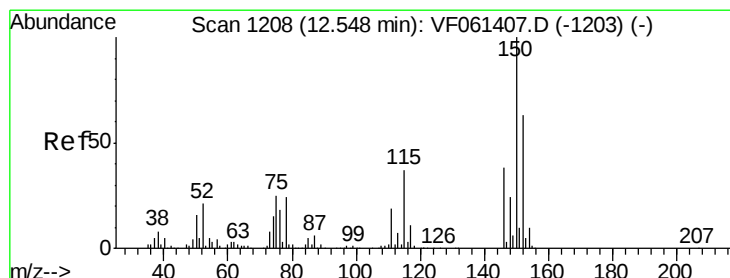
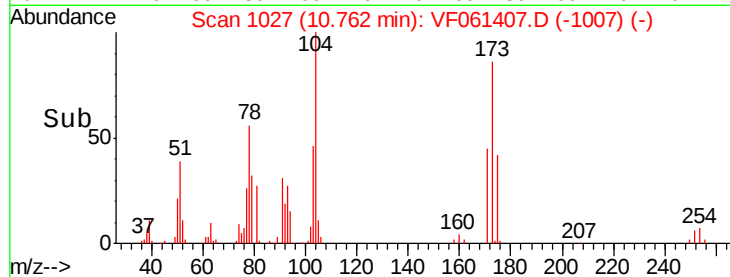
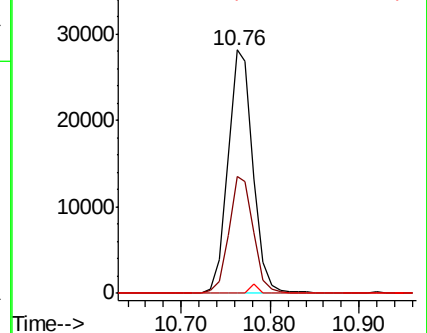
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

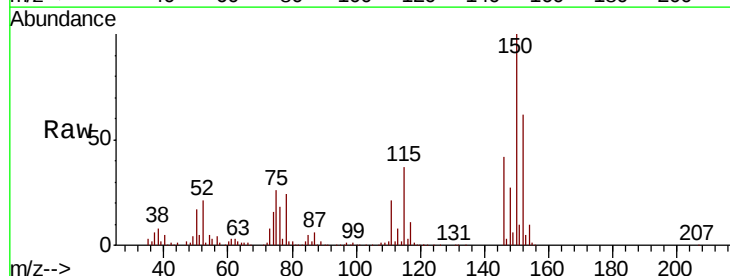
Tgt Ion:152 Resp: 142560

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

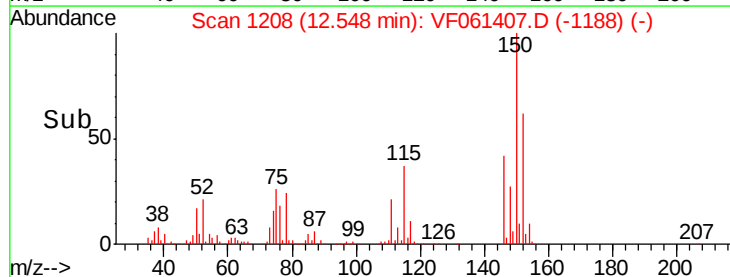
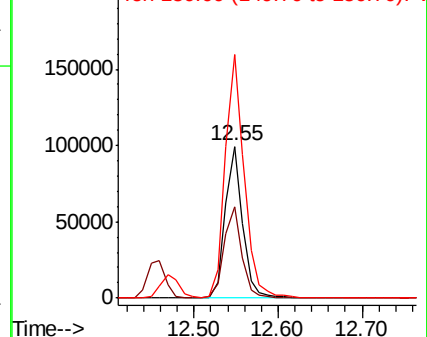
150 160.7 0.0 321.4

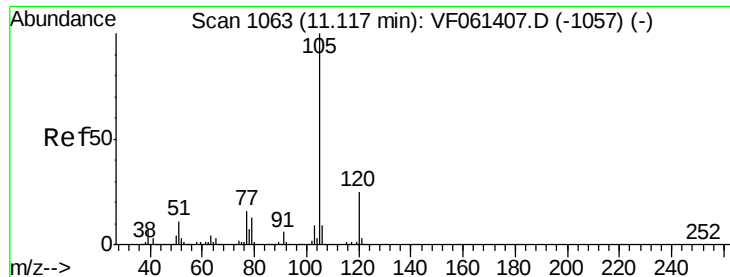


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 49.152 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

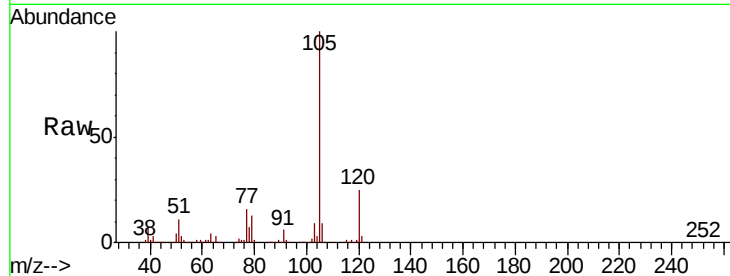
VSTDICCC050

Tgt Ion:105 Resp: 611978

Ion Ratio Lower Upper

105 100

120 25.2 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

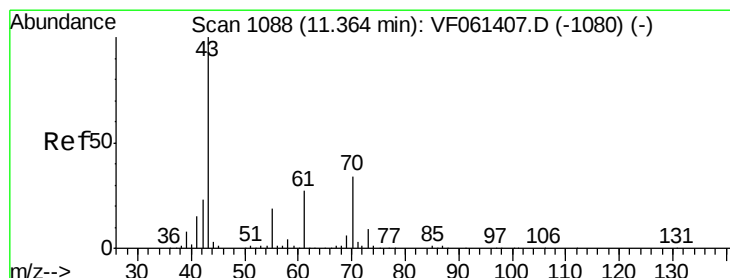
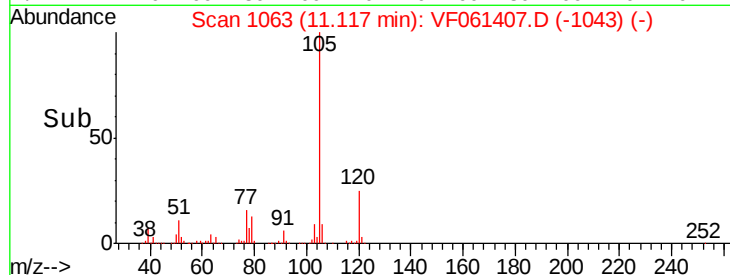
300000

200000

100000

0

Time--> 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 51.756 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion: 43 Resp: 148002

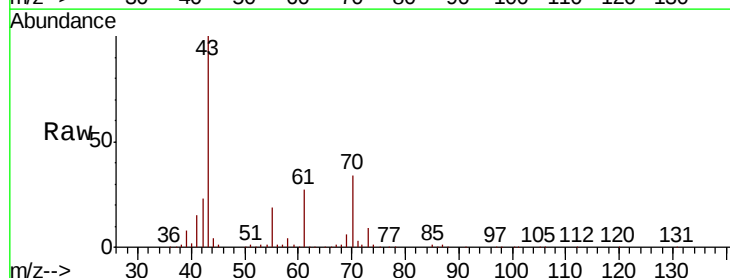
Ion Ratio Lower Upper

43 100

70 34.5 27.6 41.4

55 19.3 15.4 23.2

61 27.2 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

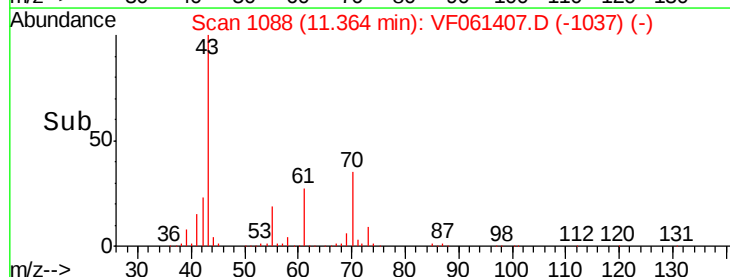
11.36

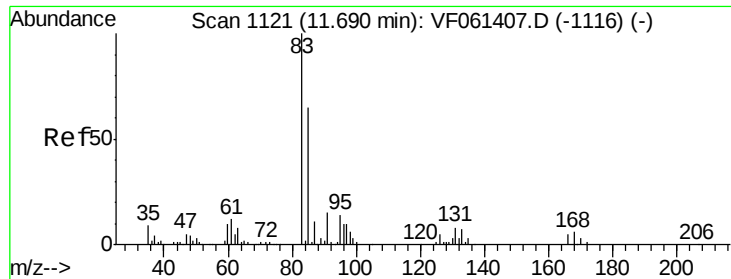
100000

50000

0

Time--> 11.20 11.30 11.40 11.50

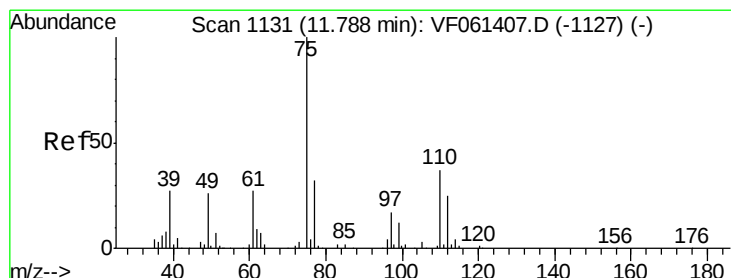
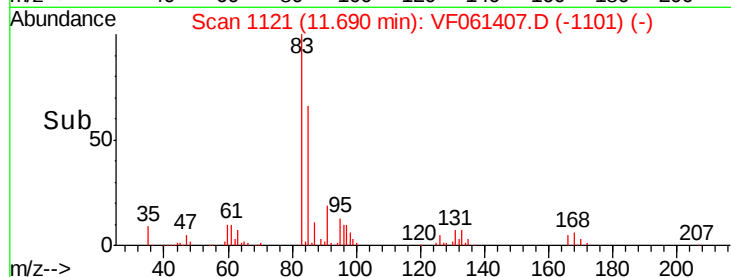
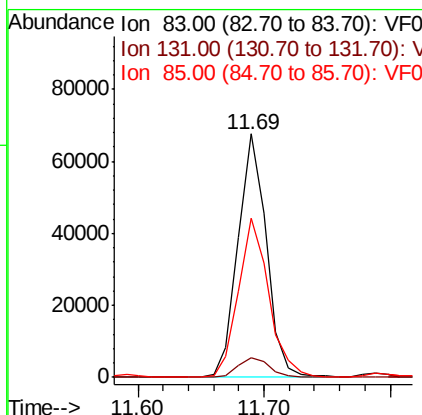
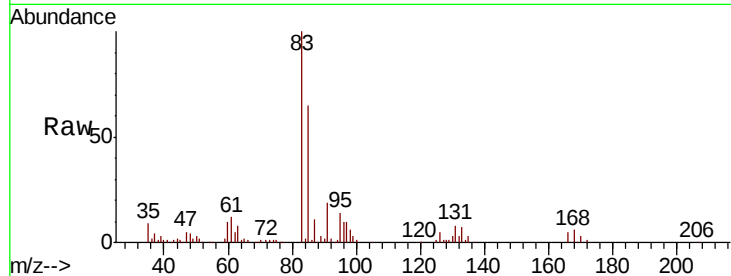




#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.596 ug/l
 RT: 11.69 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

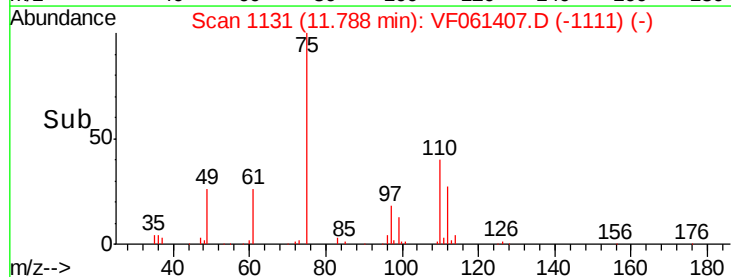
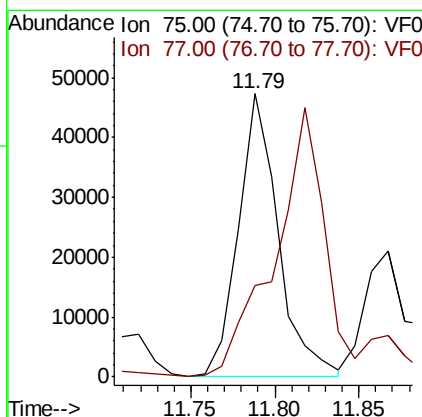
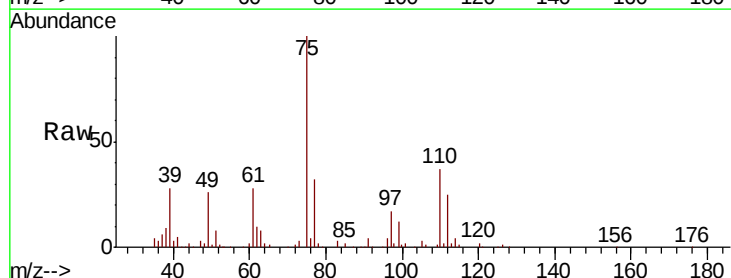
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

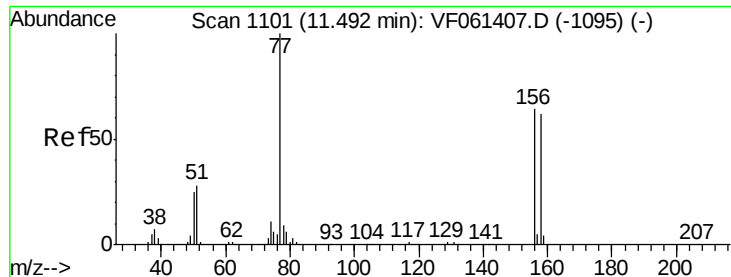
Tgt Ion: 83 Resp: 105235
 Ion Ratio Lower Upper
 83 100
 131 8.1 4.0 12.2
 85 65.4 32.7 98.1



#76
 1,2,3-Trichloropropane
 Concen: 49.559 ug/l
 RT: 11.79 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion: 75 Resp: 77141
 Ion Ratio Lower Upper
 75 100
 77 32.2 16.1 48.3





#77

Bromobenzene

Concen: 51.469 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

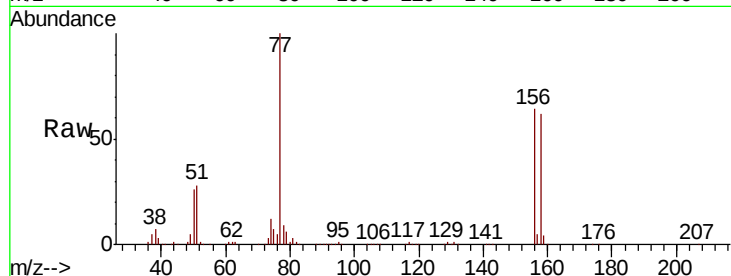
Tgt Ion:156 Resp: 130805

Ion Ratio Lower Upper

156 100

77 156.6 78.3 234.9

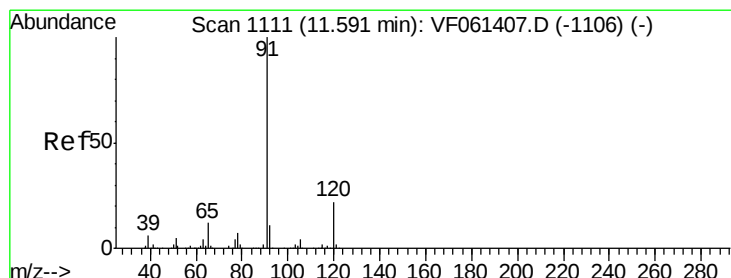
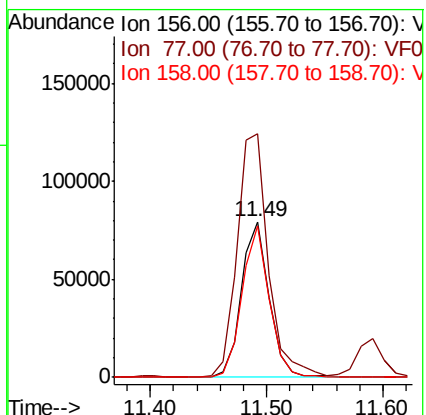
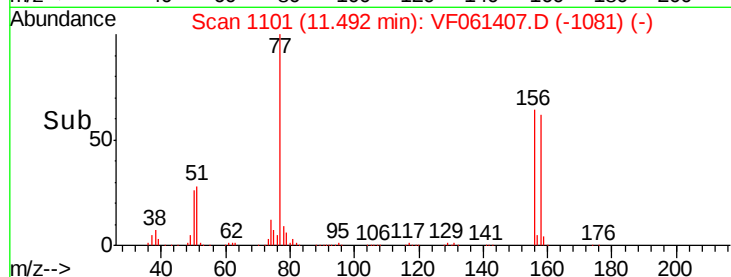
158 97.8 48.9 146.7



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: 46.498 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF061407.D

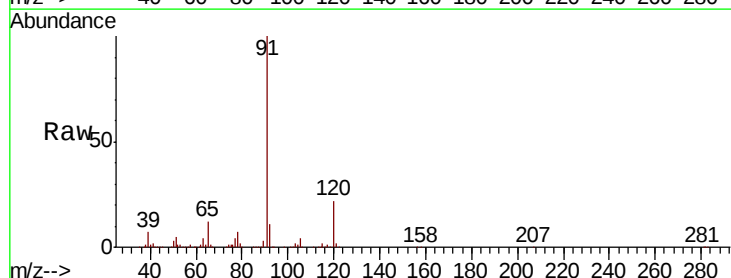
Acq: 15 Jan 2019 15:27

Tgt Ion: 91 Resp: 705293

Ion Ratio Lower Upper

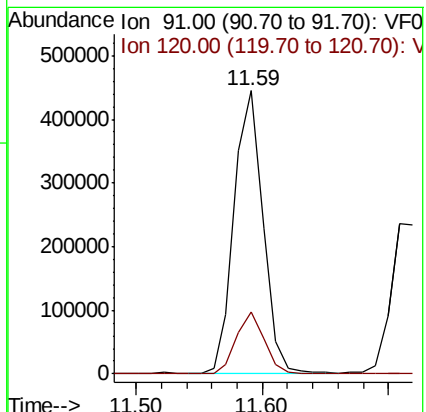
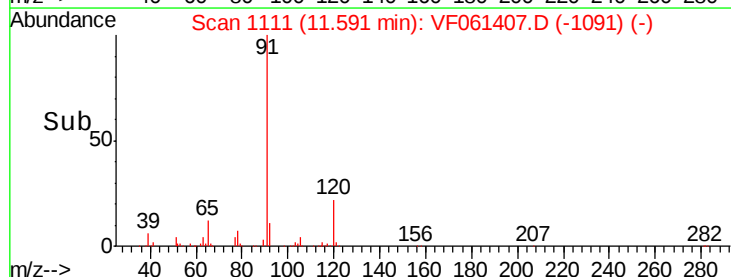
91 100

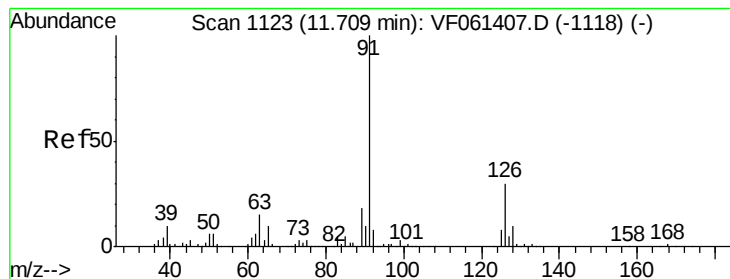
120 21.7 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.313 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

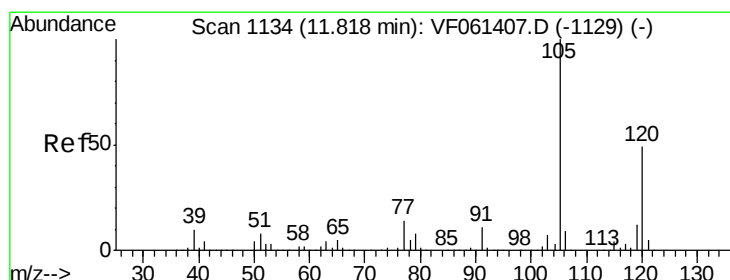
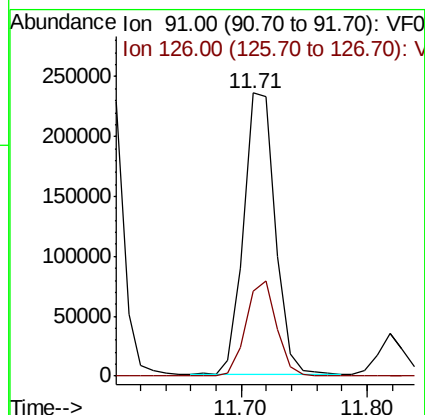
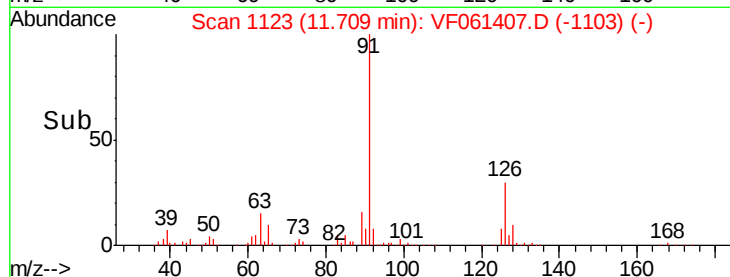
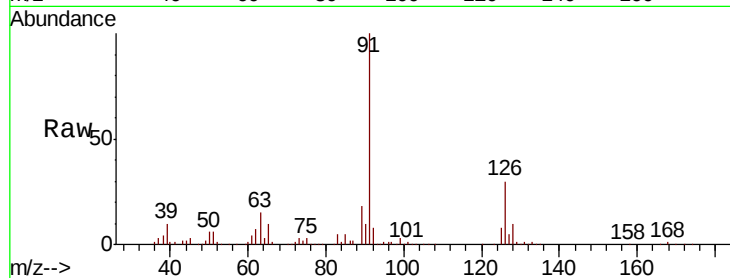
VSTDICCC050

Tgt Ion: 91 Resp: 407850

Ion Ratio Lower Upper

91 100

126 30.1 15.0 45.1



#80

1,3,5-Trimethylbenzene

Concen: 48.482 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF061407.D

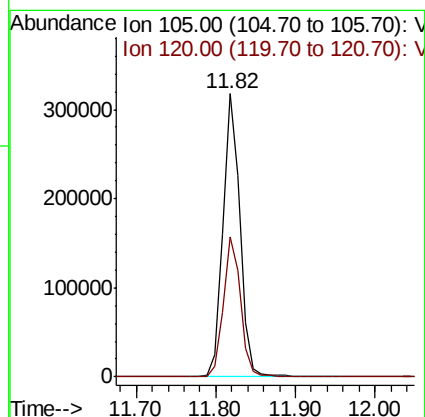
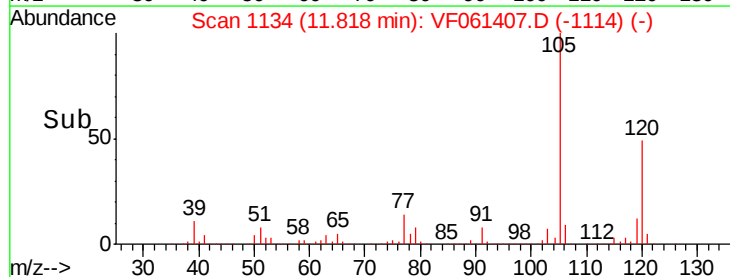
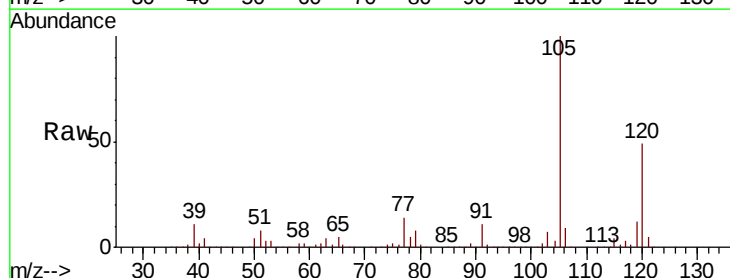
Acq: 15 Jan 2019 15:27

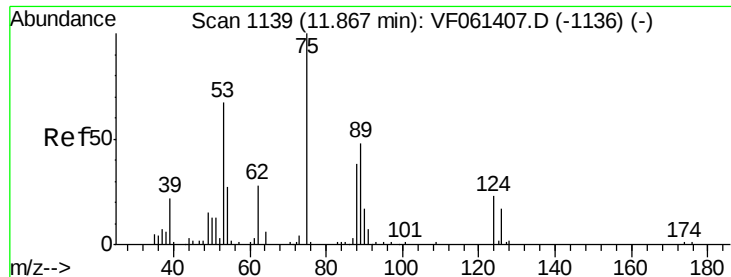
Tgt Ion: 105 Resp: 481852

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 56.428 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

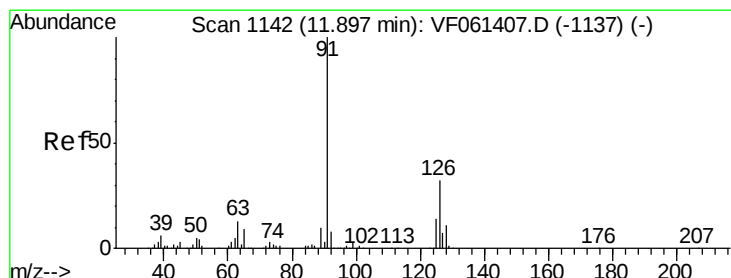
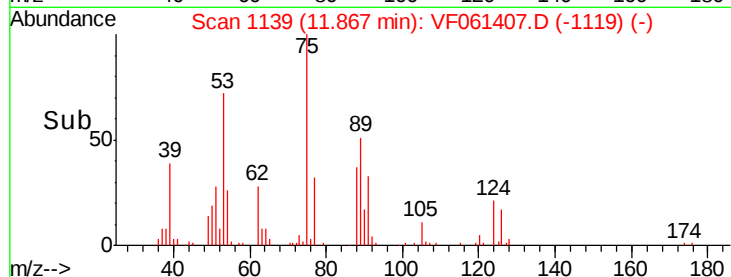
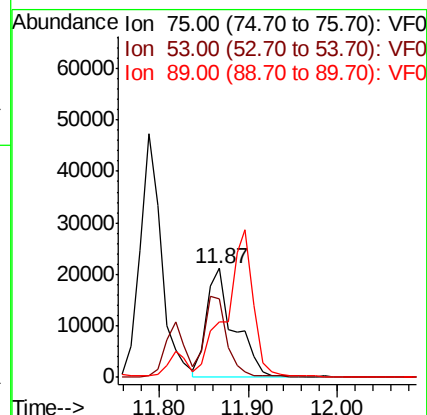
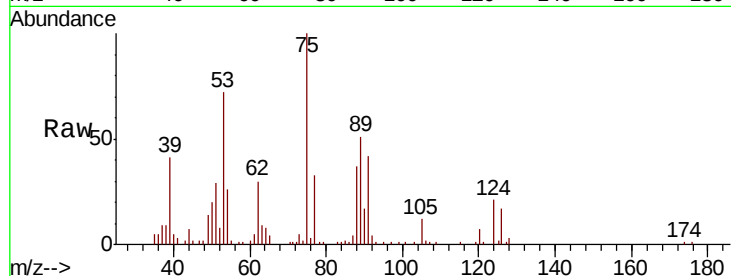
Tgt Ion: 75 Resp: 46343

Ion Ratio Lower Upper

75 100

53 72.2 57.8 86.6

89 50.9 40.7 61.1



#82

4-Chlorotoluene

Concen: 48.491 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF061407.D

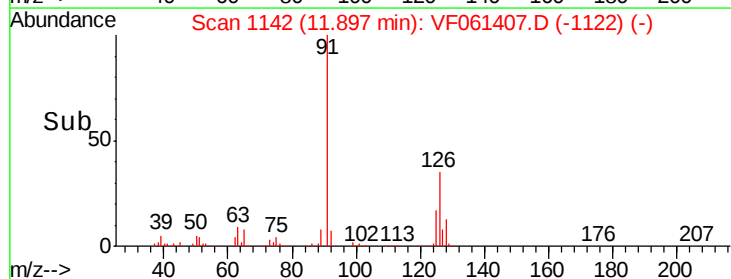
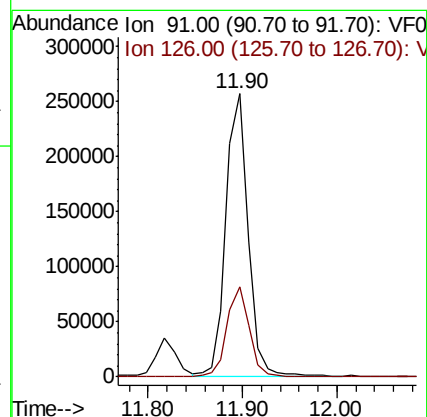
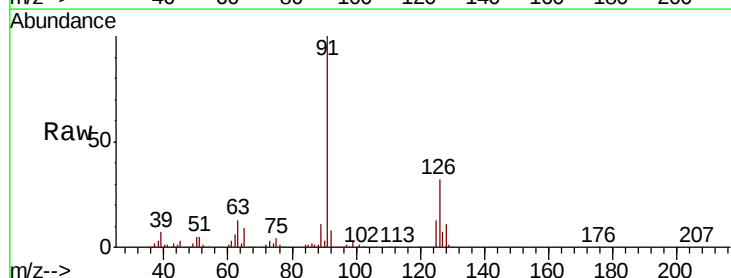
Acq: 15 Jan 2019 15:27

Tgt Ion: 91 Resp: 414018

Ion Ratio Lower Upper

91 100

126 31.9 16.0 47.9

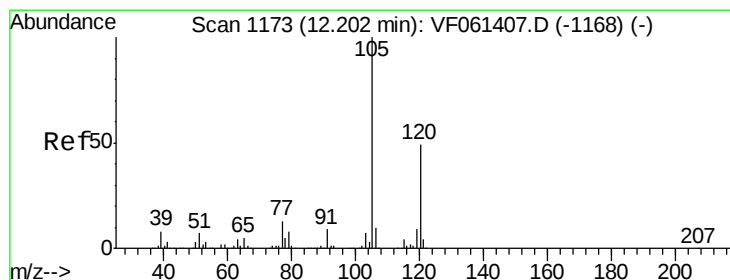
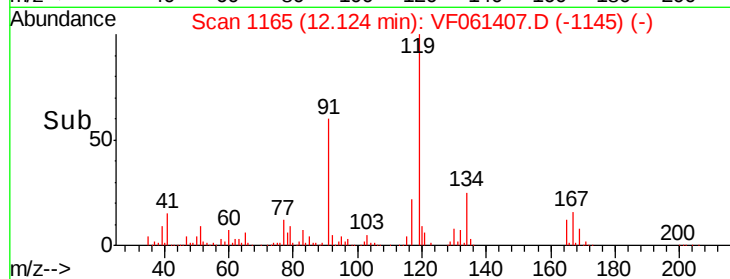
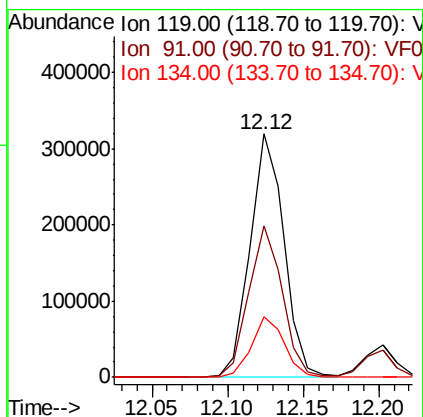
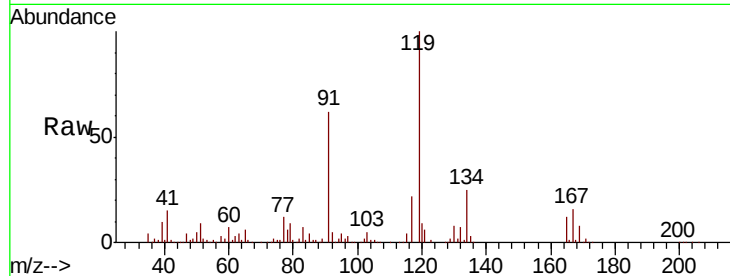




#83
 tert-Butylbenzene
 Concen: 48.633 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

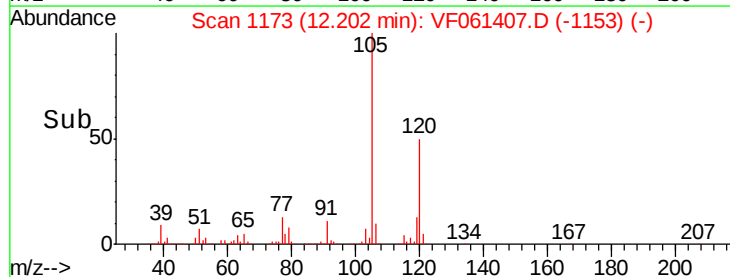
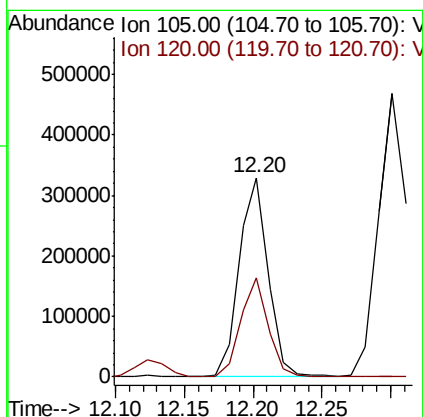
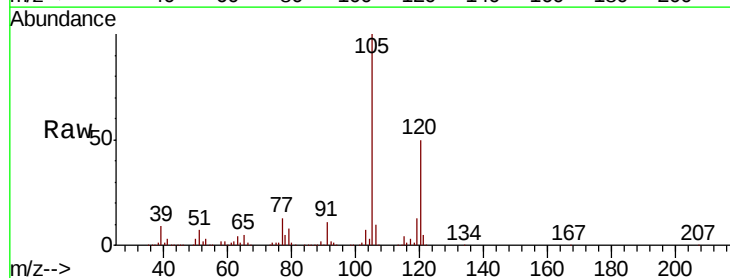
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion:119 Resp: 502611
 Ion Ratio Lower Upper
 119 100
 91 62.5 31.3 93.8
 134 24.7 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 47.061 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion:105 Resp: 483852
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.6

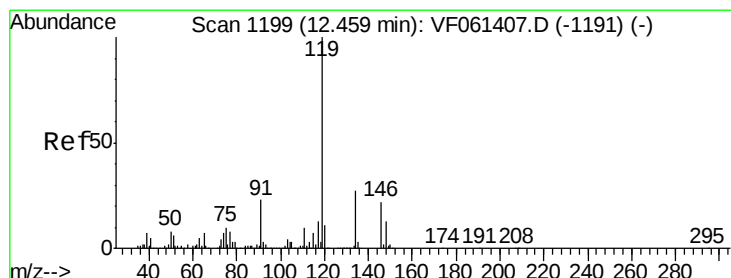
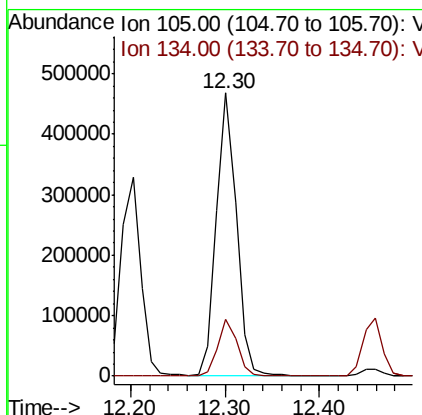
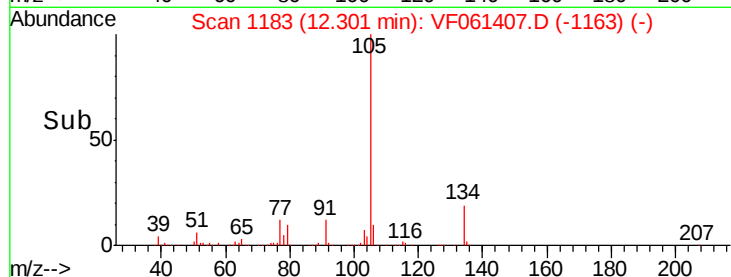
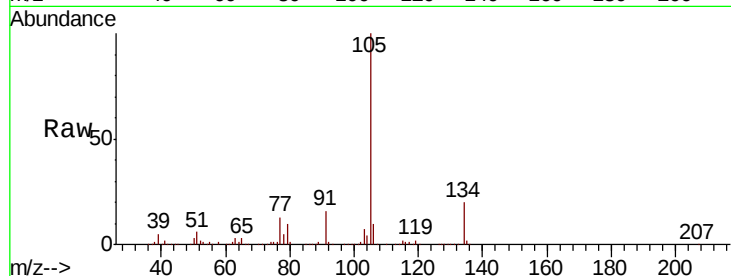




#85
 sec-Butylbenzene
 Concen: 49.348 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

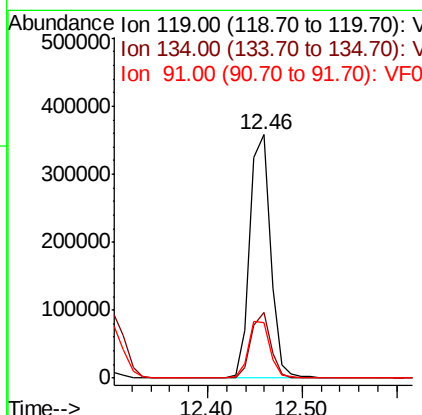
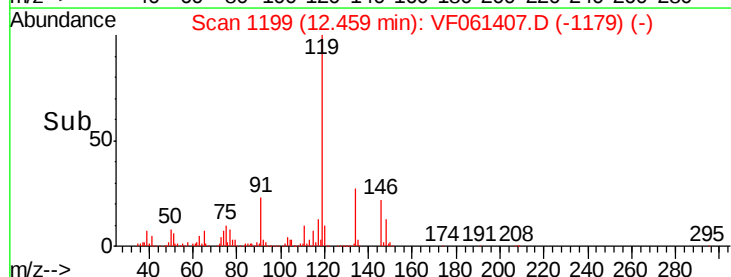
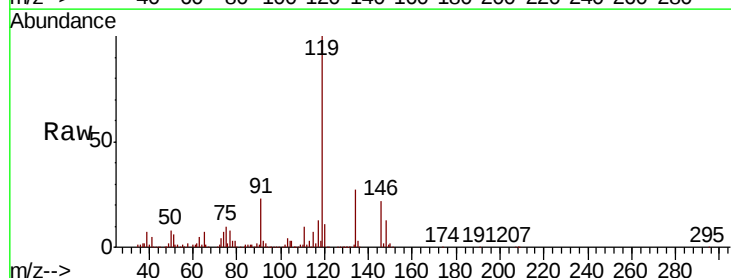
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

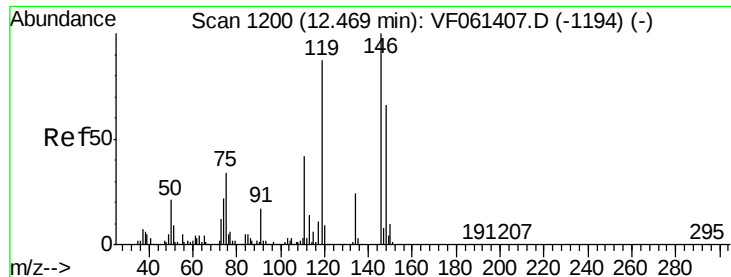
Tgt Ion:105 Resp: 693611
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 46.842 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion:119 Resp: 548111
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.8 11.4 34.2

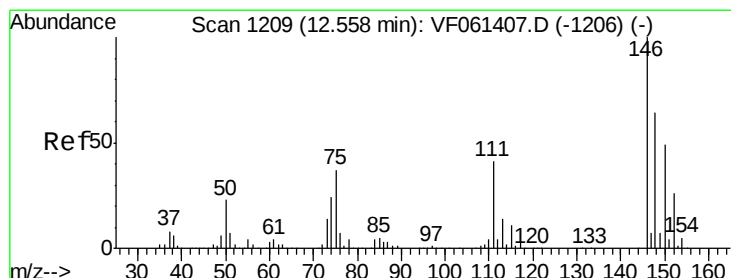
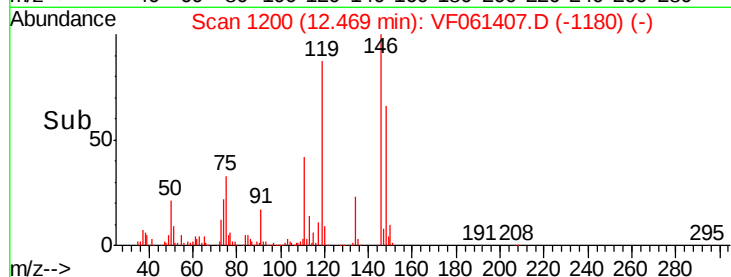
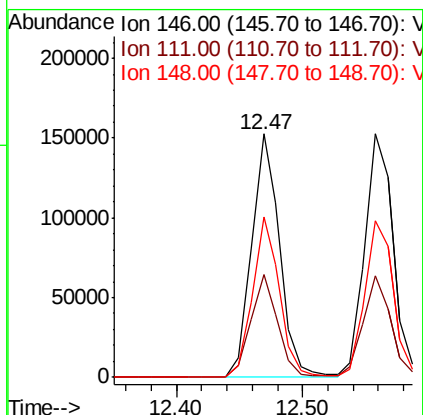
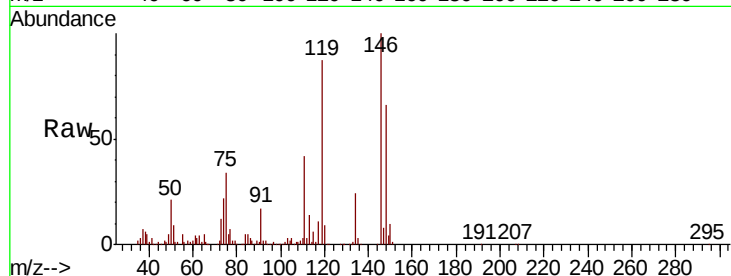




#87
 1,3-Dichlorobenzene
 Concen: 45.158 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

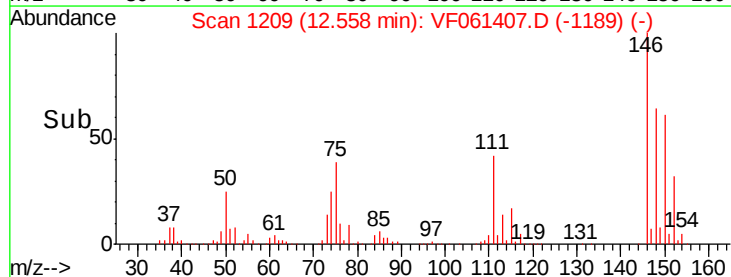
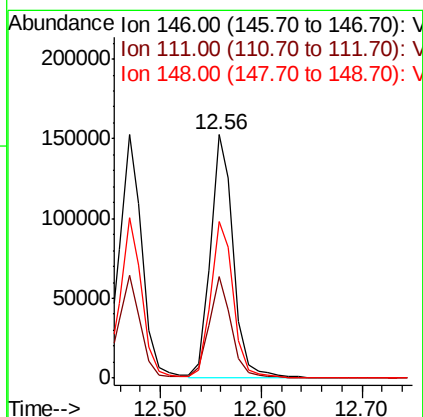
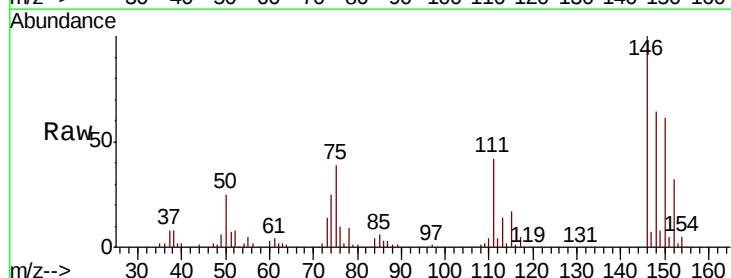
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

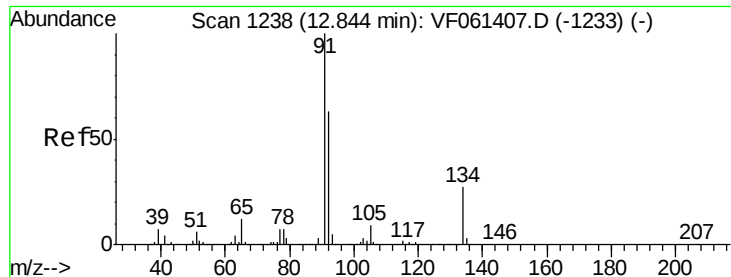
Tgt Ion:146 Resp: 235930
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.1 63.4
 148 65.7 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 50.490 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion:146 Resp: 241645
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.2
 148 64.3 32.1 96.5

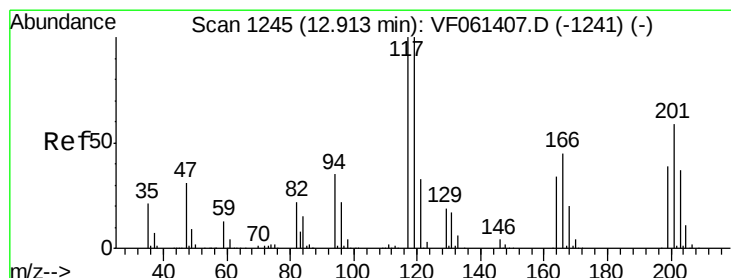
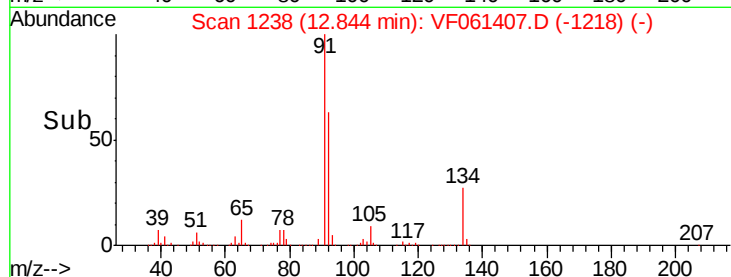
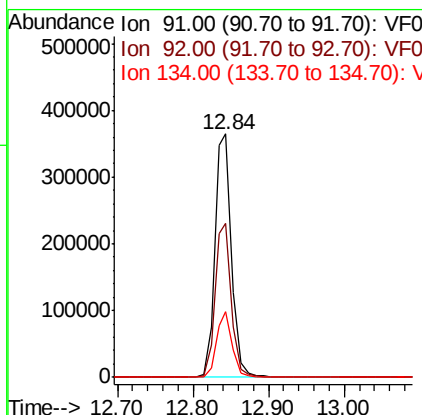
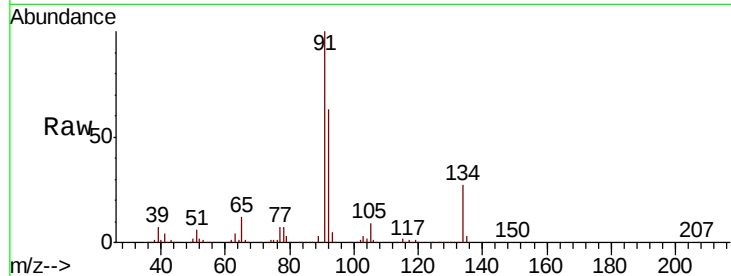




#89
n-Butylbenzene
Concen: 46.835 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

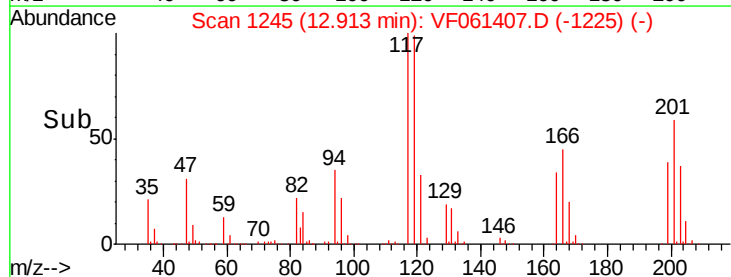
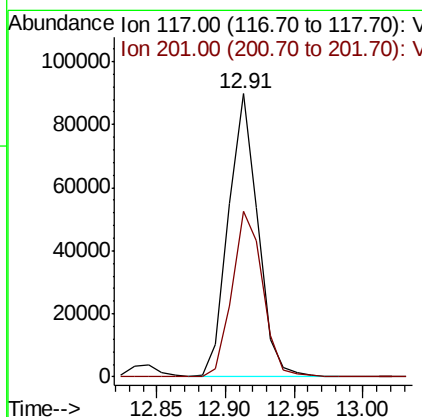
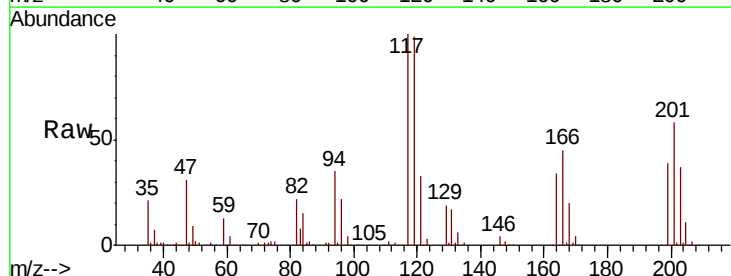
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

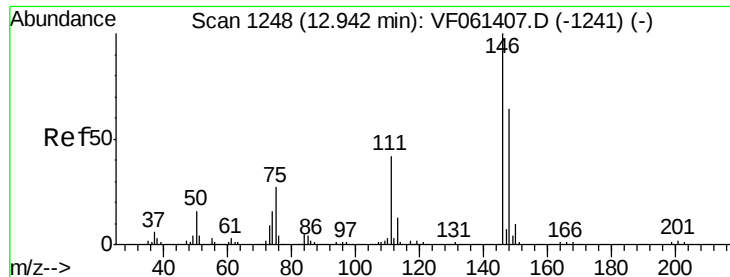
Tgt Ion: 91 Resp: 566415
Ion Ratio Lower Upper
91 100
92 63.1 31.6 94.7
134 27.2 13.6 40.8



#90
Hexachloroethane
Concen: 51.800 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion: 117 Resp: 133798
Ion Ratio Lower Upper
117 100
201 58.5 29.3 87.8

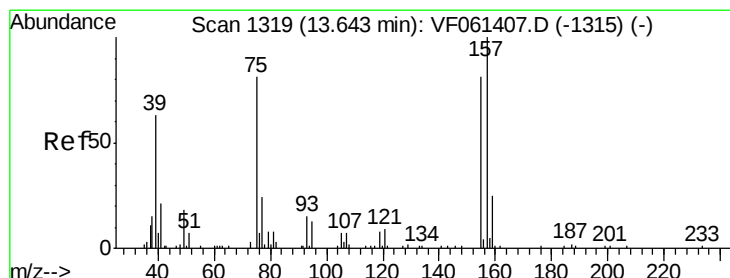
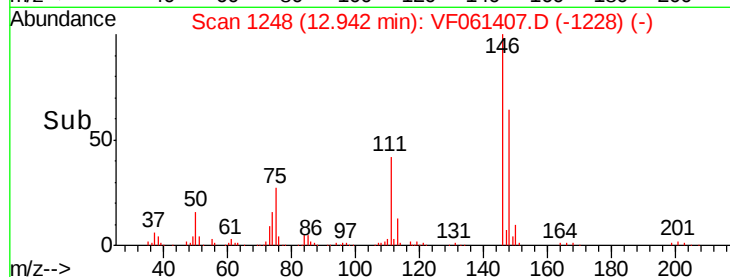
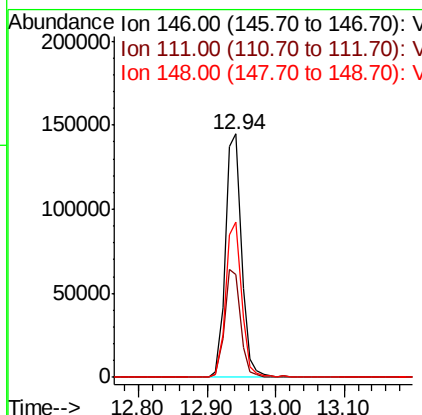
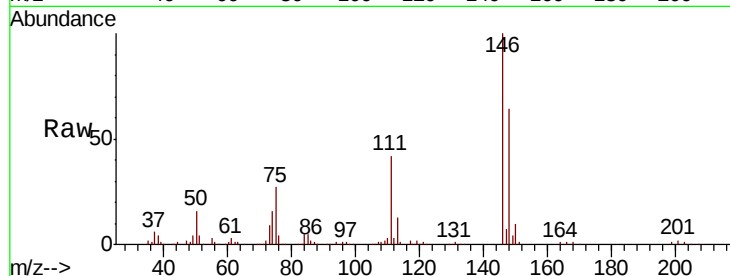




#91
 1,2-Dichlorobenzene
 Concen: 48.870 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

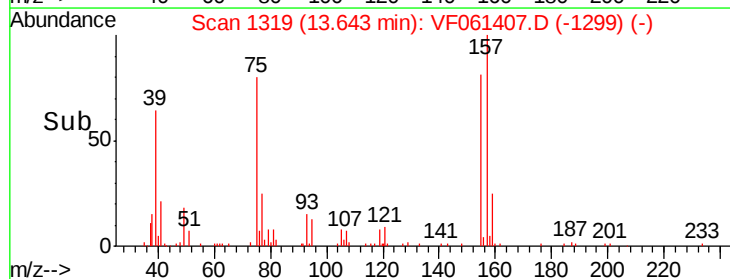
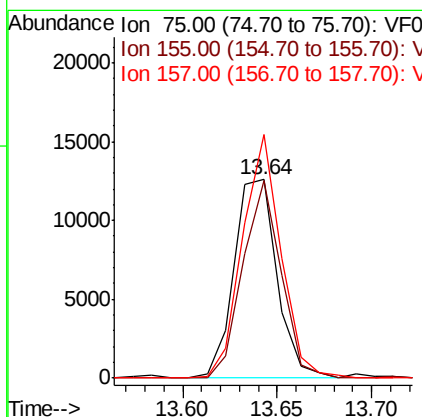
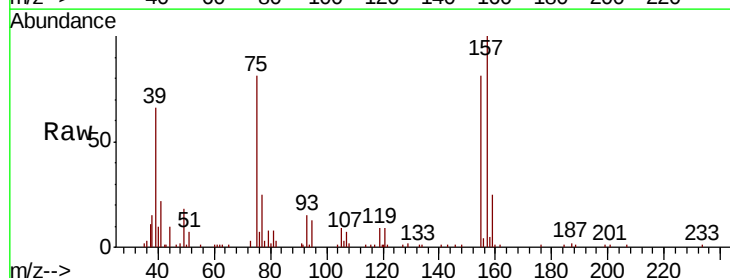
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

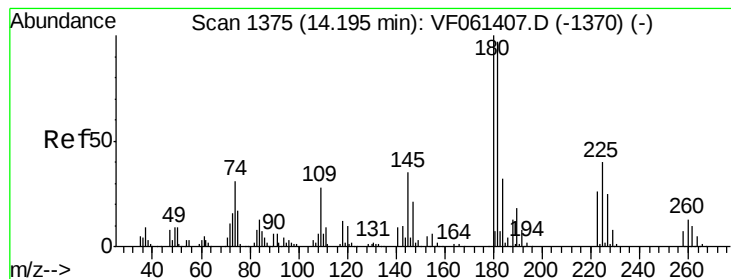
Tgt Ion: 146 Resp: 237924
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.1 63.3
 148 63.8 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.926 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion: 75 Resp: 19795
 Ion Ratio Lower Upper
 75 100
 155 99.4 49.7 149.1
 157 122.7 61.4 184.1





#93

1,2,4-Trichlorobenzene

Concen: 49.142 ug/l

RT: 14.20 min Scan# 1375

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

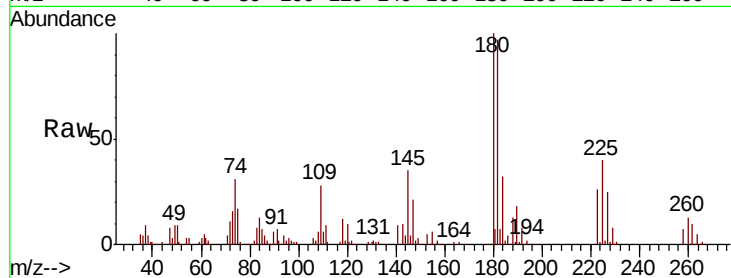
Tgt Ion:180 Resp: 166974

Ion Ratio Lower Upper

180 100

182 97.1 48.5 145.6

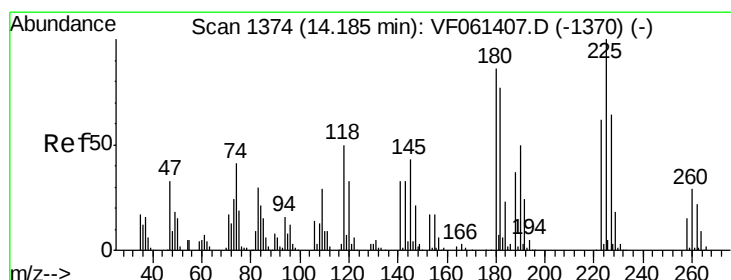
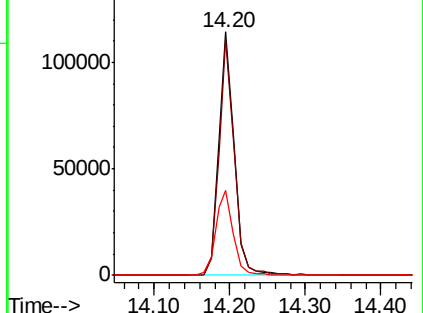
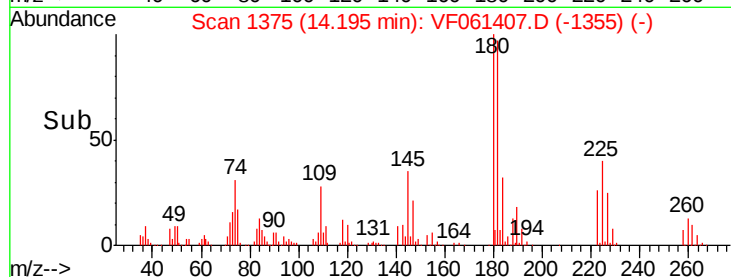
145 35.1 17.5 52.6



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: 50.754 ug/l

RT: 14.19 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

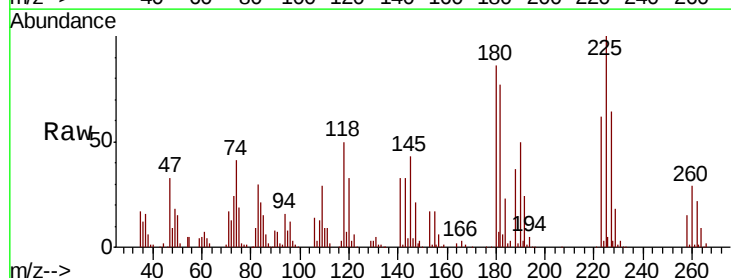
Tgt Ion:225 Resp: 104425

Ion Ratio Lower Upper

225 100

223 62.1 31.1 93.2

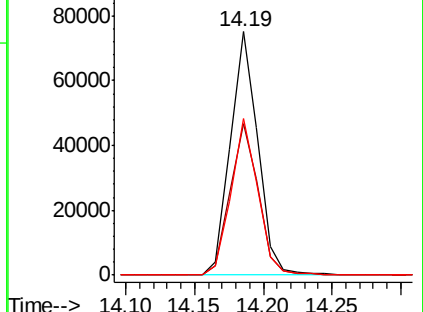
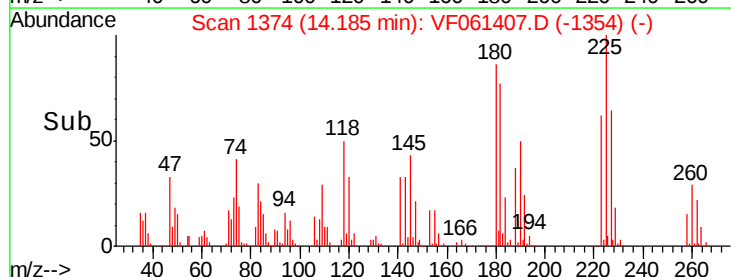
227 64.4 32.2 96.6

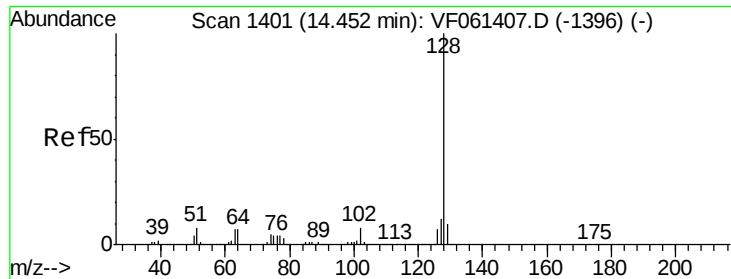


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

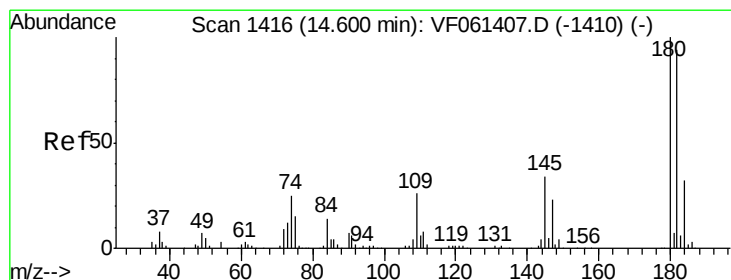
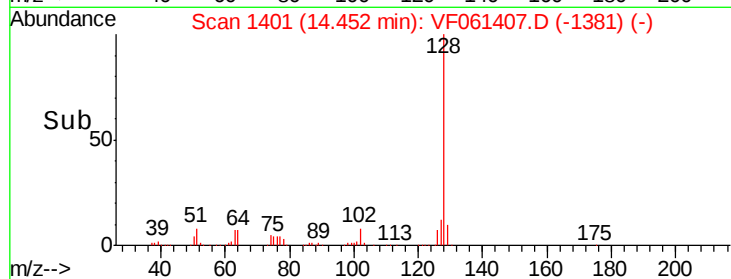
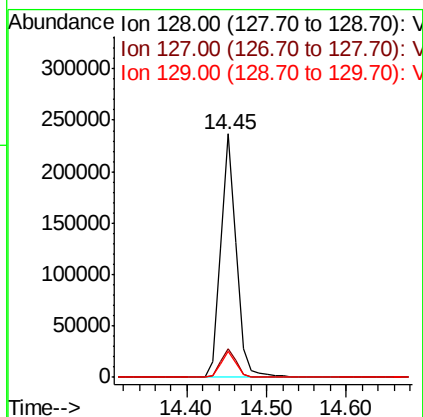
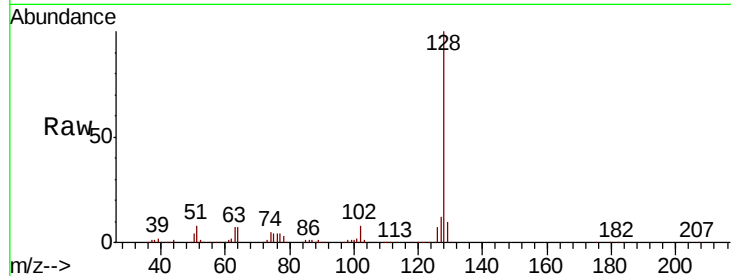




#95
Naphthalene
Concen: 54.665 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 330614
Ion Ratio Lower Upper
128 100
127 11.9 9.5 14.3
129 10.5 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 51.716 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion:180 Resp: 157836
Ion Ratio Lower Upper
180 100
182 94.1 47.0 141.2
145 34.1 17.1 51.2

