

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061545.D
 Acq On : 7 Feb 2019 15:18
 Operator : VA/AP
 Sample : VF0207SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 09 04:34:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	195435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	323071	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	289137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	147485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	92167	38.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.40%	
35) Dibromofluoromethane	4.10	113	102265	40.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.22%	
50) Toluene-d8	7.55	98	273162	39.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.22%	
62) 4-Bromofluorobenzene	11.40	95	130372	39.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	57257	14.911	ug/l	97
3) Chloromethane	1.09	50	47672	16.931	ug/l	100
4) Vinyl Chloride	1.13	62	41888	16.724	ug/l	99
5) Bromomethane	1.32	94	28127	17.221	ug/l	100
6) Chloroethane	1.39	64	20842	18.780	ug/l	98
7) Trichlorofluoromethane	1.48	101	86259	17.715	ug/l	99
8) Diethyl Ether	1.63	74	12072	19.349	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.82	101	39624	16.936	ug/l	95
10) Methyl Iodide	1.90	142	51804	14.283	ug/l	94
11) Tert butyl alcohol	2.56	59	9348	91.527	ug/l	96
12) 1,1-Dichloroethene	1.79	96	32624	18.769	ug/l	85
13) Acrolein	2.00	56	5710	72.560	ug/l #	62
14) Allyl chloride	2.09	41	51288	25.170	ug/l	95
15) Acrylonitrile	2.94	53	25213	96.374	ug/l	97
16) Acetone	2.23	43	53328	110.169	ug/l	100
17) Carbon Disulfide	1.80	76	89421	16.499	ug/l	96
18) Methyl Acetate	2.34	43	17218	17.936	ug/l #	85
19) Methyl tert-butyl Ether	2.43	73	67302	17.272	ug/l	96
20) Methylene Chloride	2.18	84	12991	6.373	ug/l	95
21) trans-1,2-Dichloroethene	2.31	96	33616	17.578	ug/l #	95
22) Diisopropyl ether	2.79	45	113707	18.382	ug/l	99
23) Vinyl Acetate	3.19	43	274181	102.681	ug/l	98
24) 1,1-Dichloroethane	2.87	63	69761	17.969	ug/l	98
25) 2-Butanone	4.33	43	81779	101.593	ug/l	92
26) 2,2-Dichloropropane	3.59	77	45272	18.980	ug/l	92
27) cis-1,2-Dichloroethene	3.47	96	49275	17.455	ug/l	95
28) Bromochloromethane	3.71	49	30631	17.553	ug/l #	91
29) Tetrahydrofuran	4.07	42	30372	87.625	ug/l	95
30) Chloroform	3.85	83	100604	19.201	ug/l	97
31) Cyclohexane	3.69	56	47459	12.238	ug/l	93
32) 1,1,1-Trichloroethane	4.08	97	71162	18.524	ug/l	95
36) 1,1-Dichloropropene	4.27	75	73809	19.704	ug/l	97
37) Ethyl Acetate	4.11	43	29057	19.406	ug/l #	73
38) Carbon Tetrachloride	3.98	117	64103	19.575	ug/l	96

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Quant Time: Feb 09 04:34:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	73544	18.117	ug/l	98
40) Benzene	4.63	78	163037	19.560	ug/l	99
41) Methacrylonitrile	4.74	41	15925	19.988	ug/l	94
42) 1,2-Dichloroethane	4.93	62	54869	18.473	ug/l	97
43) Isopropyl Acetate	6.95	43	37643	20.031	ug/l #	98
44) Trichloroethene	5.49	130	51409	20.106	ug/l	96
45) 1,2-Dichloropropane	6.23	63	41040	18.760	ug/l	95
46) Dibromomethane	6.09	93	27680	19.029	ug/l	96
47) Bromodichloromethane	6.38	83	69503	19.312	ug/l	97
48) Methyl methacrylate	6.71	41	23090	18.297	ug/l	99
49) 1,4-Dioxane	6.70	88	3419	342.498	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	131440	95.139	ug/l	99
52) Toluene	7.61	92	101536	18.498	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	58384	20.430	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	71125	19.911	ug/l	96
55) 1,1,2-Trichloroethane	8.48	97	30350	19.471	ug/l	96
56) Ethyl methacrylate	8.61	69	31930	17.607	ug/l #	79
57) 1,3-Dichloropropane	8.85	76	52141	17.847	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.29	63	25309	145.959	ug/l	98
59) 2-Hexanone	9.49	43	101238	105.086	ug/l	94
60) Dibromochloromethane	8.71	129	42628	18.707	ug/l	96
61) 1,2-Dibromoethane	8.99	107	33065	18.530	ug/l	100
64) Tetrachloroethene	8.15	164	41783	19.216	ug/l	95
65) Chlorobenzene	9.79	112	112972	19.214	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	48740	20.809	ug/l	97
67) Ethyl Benzene	9.89	91	219227	20.407	ug/l	98
68) m/p-Xylenes	10.12	106	144835	37.485	ug/l	91
69) o-Xylene	10.70	106	88883	21.225	ug/l	96
70) Styrene	10.78	104	117654	20.525	ug/l	98
71) Bromoform	10.77	173	22664	21.535	ug/l #	96
73) Isopropylbenzene	11.12	105	258668	21.564	ug/l	99
74) N-amyl acetate	11.36	43	65677	23.155	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.69	83	43838	20.515	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	29065	18.929	ug/l	91
77) Bromobenzene	11.49	156	51189	20.207	ug/l	99
78) n-propylbenzene	11.59	91	306660	19.606	ug/l	100
79) 2-Chlorotoluene	11.72	91	173835	20.887	ug/l	93
80) 1,3,5-Trimethylbenzene	11.82	105	199110	20.569	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	19347	28.985	ug/l	98
82) 4-Chlorotoluene	11.90	91	167687	19.966	ug/l	97
83) tert-Butylbenzene	12.12	119	214599	21.418	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	203309	20.390	ug/l	97
85) sec-Butylbenzene	12.30	105	280193	20.593	ug/l	94
86) p-Isopropyltoluene	12.46	119	237124	21.230	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	103246	19.384	ug/l	95
88) 1,4-Dichlorobenzene	12.56	146	98708	20.620	ug/l	98
89) n-Butylbenzene	12.84	91	248702	21.590	ug/l	95
90) Hexachloroethane	12.91	117	56905	21.613	ug/l	89
91) 1,2-Dichlorobenzene	12.94	146	94949	20.036	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7680	20.263	ug/l	82

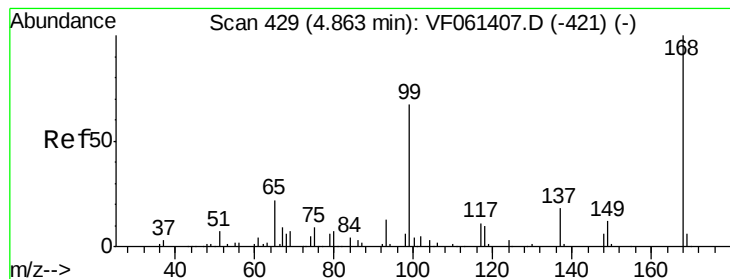
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
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Operator : VA/AP
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ClientSampleId :

Quant Time: Feb 09 04:34:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	67968	20.474	ug/l	97
94) Hexachlorobutadiene	14.18	225	29263	14.205	ug/l	98
95) Naphthalene	14.45	128	118879	18.848	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	57307	18.648	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

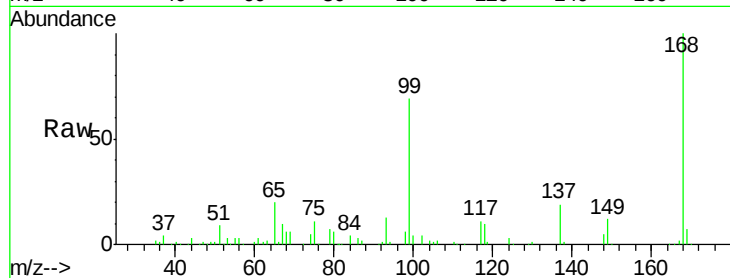
ClientSampleId :

Tot Ion:168 Resp: 195435

Ion Ratio Lower Upper

168 100

99 69.0 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

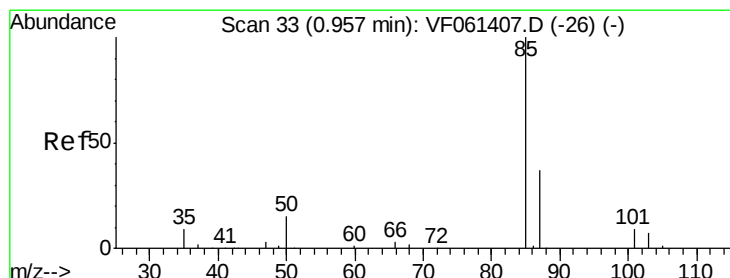
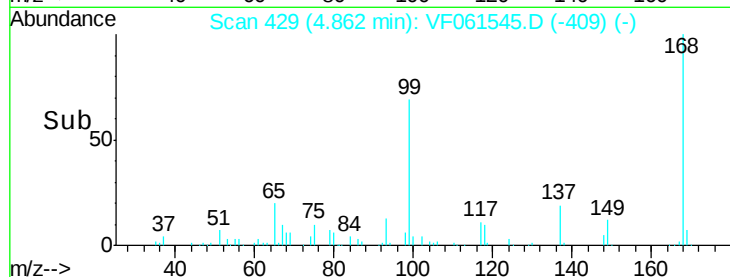
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 14.911 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061545.D

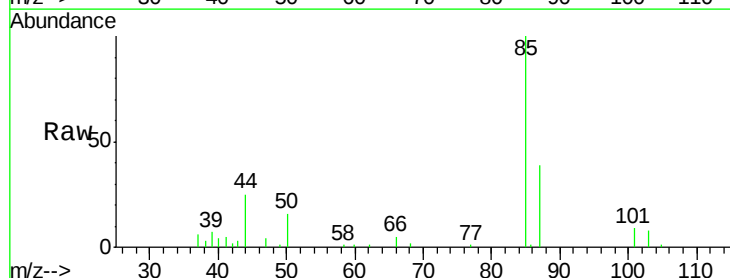
Acq: 7 Feb 2019 15:18

Tgt Ion: 85 Resp: 57257

Ion Ratio Lower Upper

85 100

87 38.5 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

15000

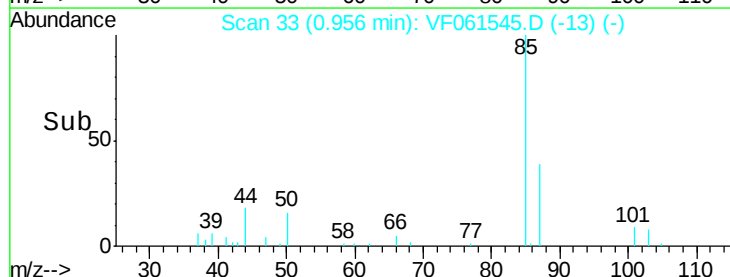
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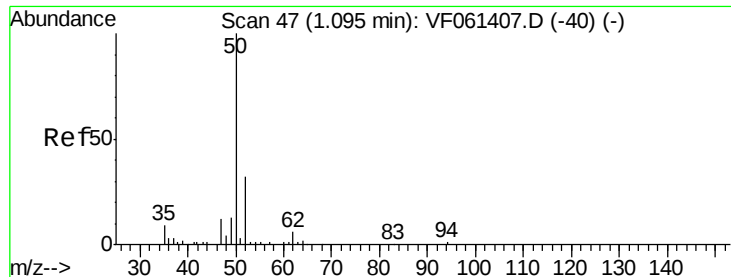
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 16.931 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

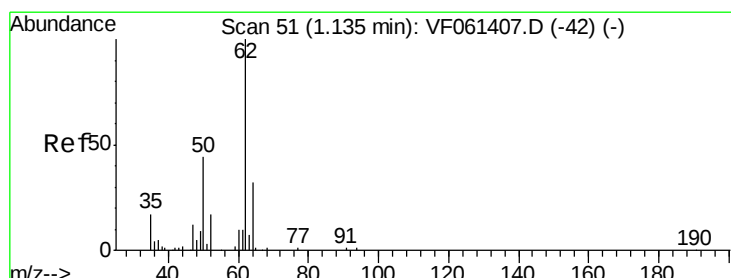
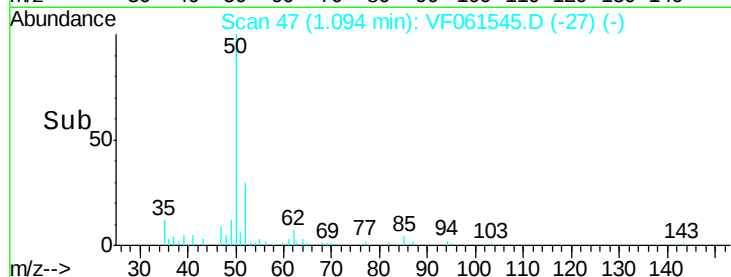
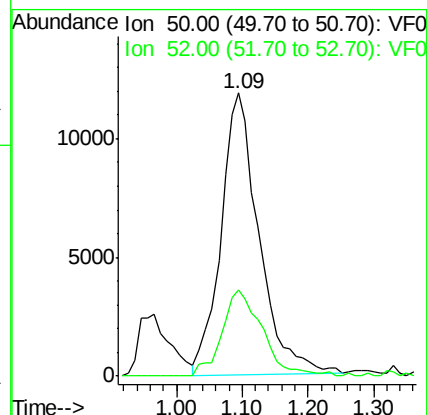
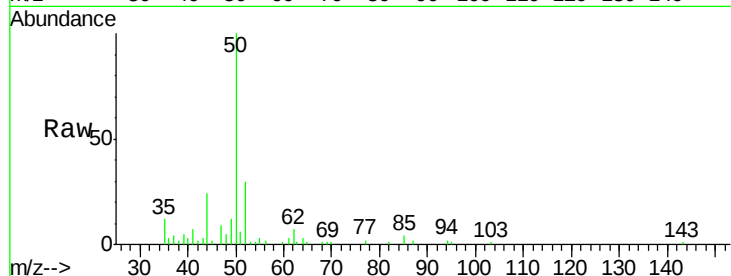
ClientSampleId :

Tot Ion: 50 Resp: 47672

Ion Ratio Lower Upper

50 100

52 30.5 24.6 36.8



#4

Vinyl Chloride

Concen: 16.724 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061545.D

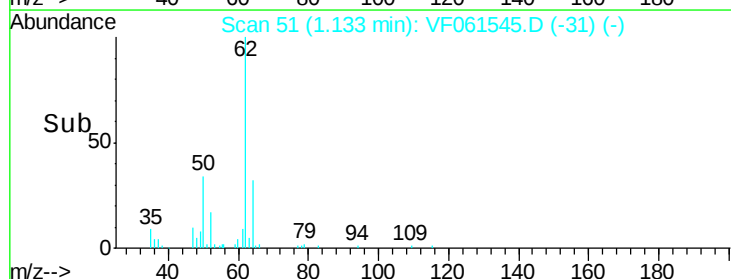
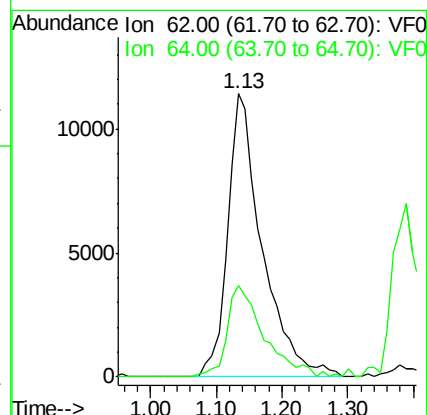
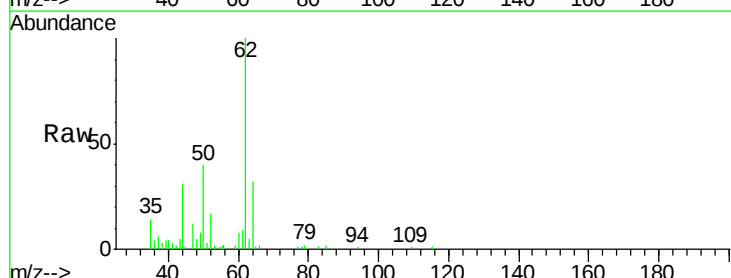
Acq: 7 Feb 2019 15:18

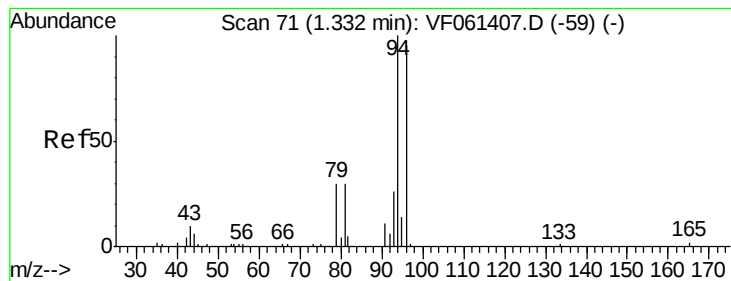
Tgt Ion: 62 Resp: 41888

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 17.221 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

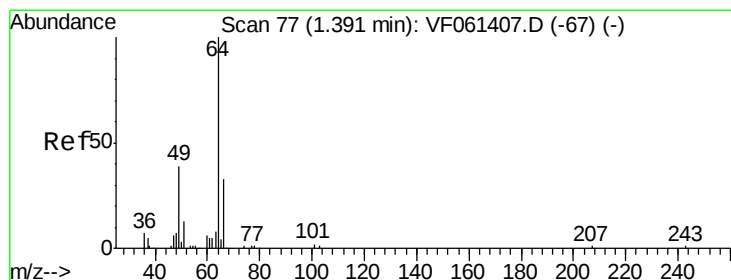
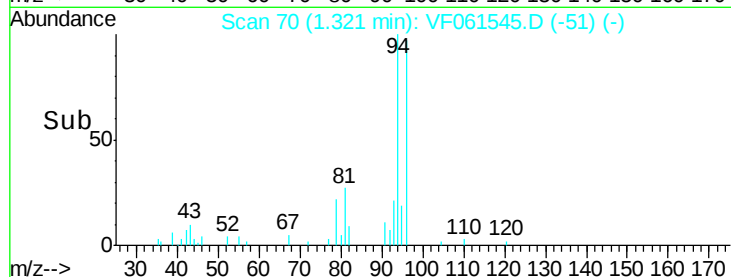
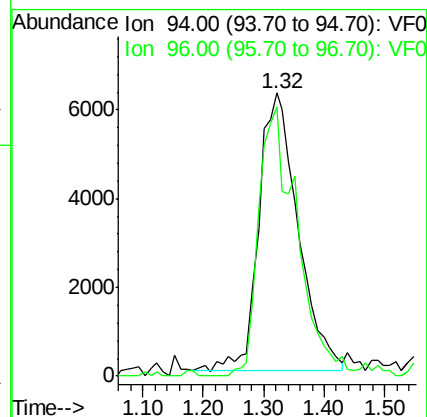
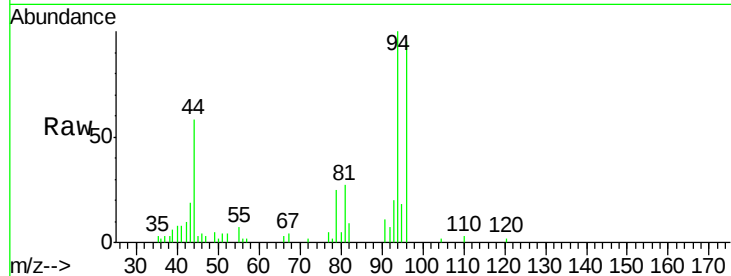
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 28127

Ion Ratio Lower Upper

94 100

96 95.1 76.0 114.0



#6

Chloroethane

Concen: 18.780 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061545.D

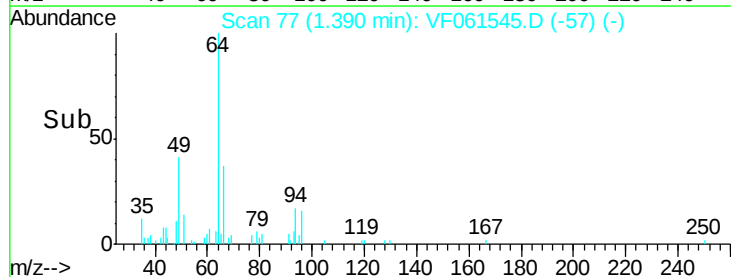
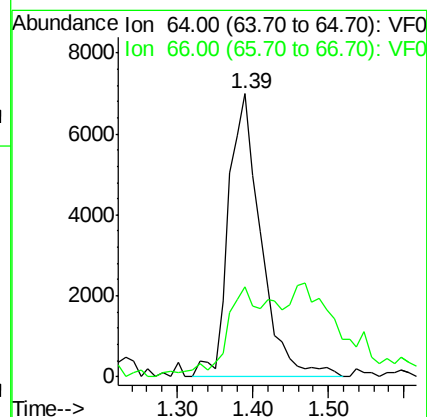
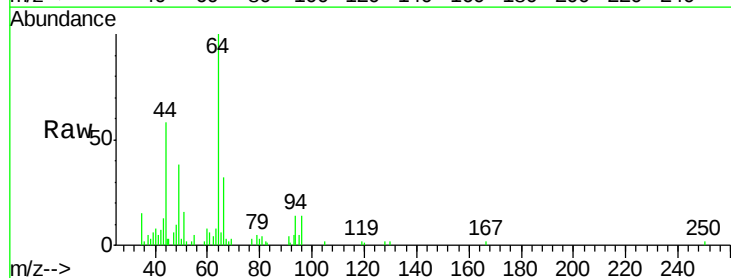
Acq: 7 Feb 2019 15:18

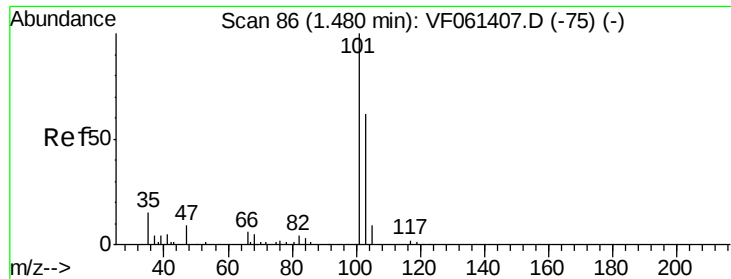
Tgt Ion: 64 Resp: 20842

Ion Ratio Lower Upper

64 100

66 31.9 26.6 40.0



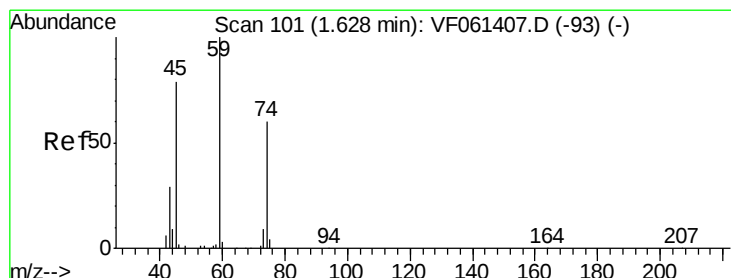
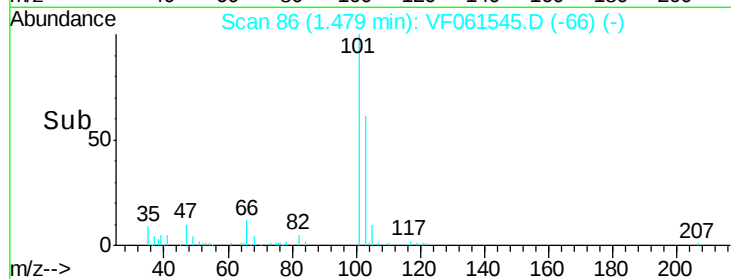
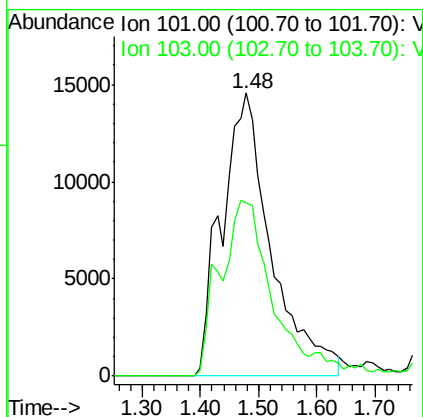
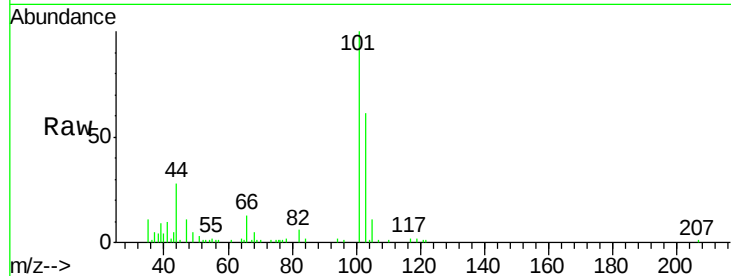


#7

Trichlorofluoromethane
Concen: 17.715 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Instrument :
MSVOA_F
ClientSampleId :

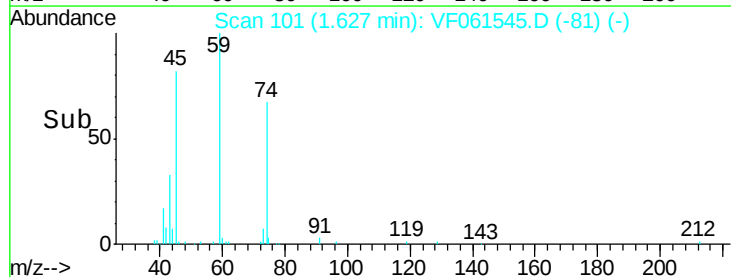
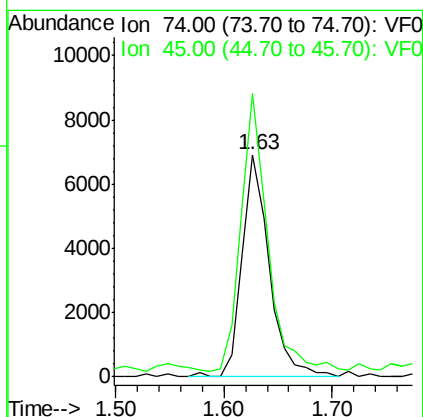
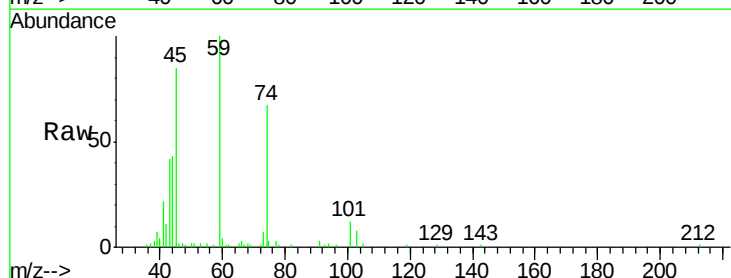
Tot Ion:101 Resp: 86259
Ion Ratio Lower Upper
101 100
103 61.1 49.7 74.5



#8

Diethyl Ether
Concen: 19.349 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Tgt Ion: 74 Resp: 12072
Ion Ratio Lower Upper
74 100
45 127.3 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.936 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

ClientSampleId :

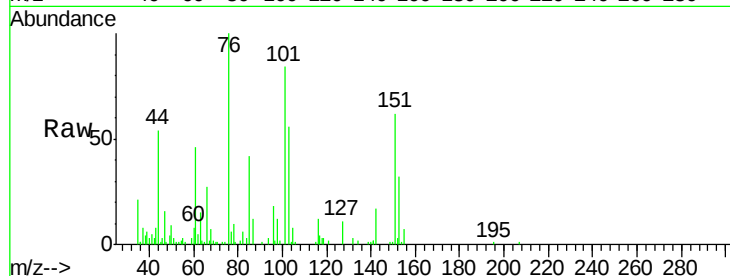
Tot Ion:101 Resp: 39624

Ion Ratio Lower Upper

101 100

85 50.5 41.9 62.9

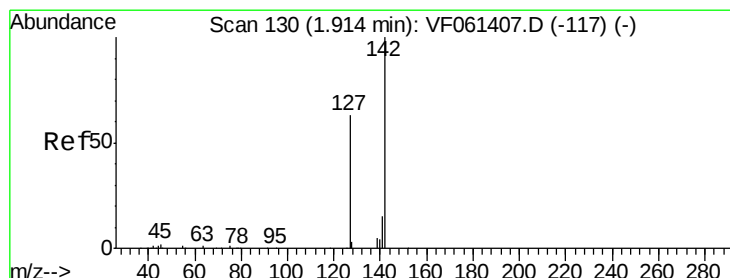
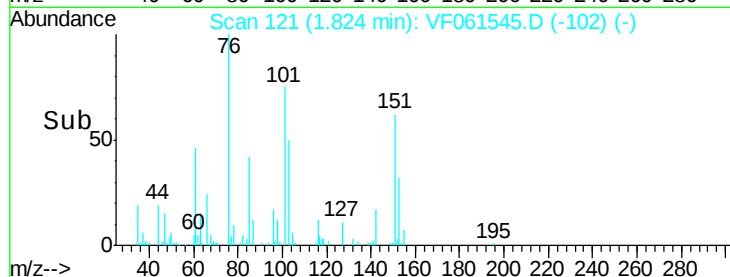
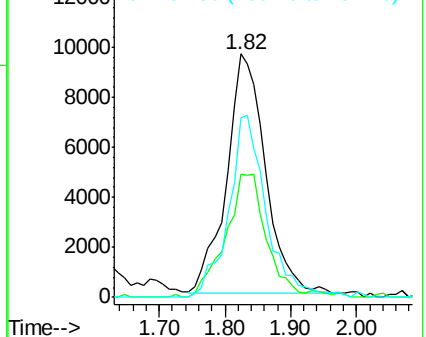
151 74.0 55.1 82.7



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: 14.283 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

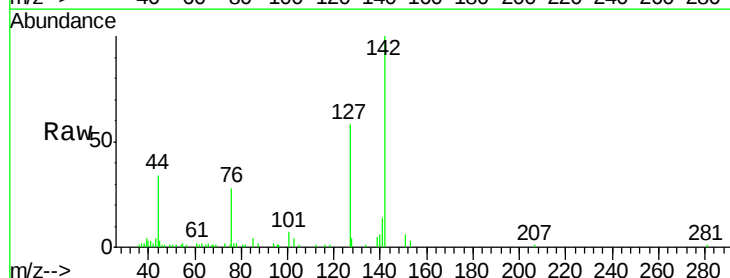
Tgt Ion:142 Resp: 51804

Ion Ratio Lower Upper

142 100

127 58.0 50.7 76.1

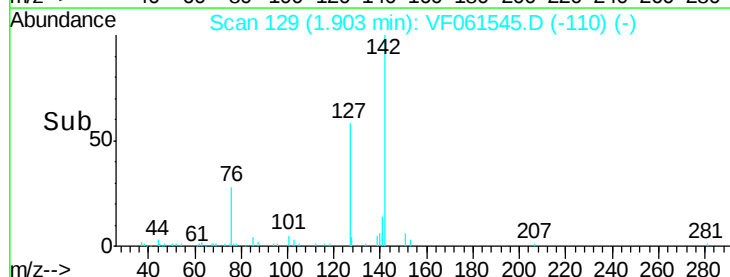
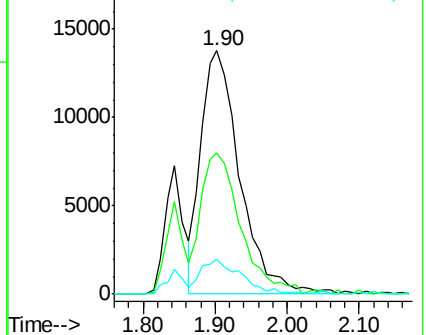
141 14.3 11.8 17.6

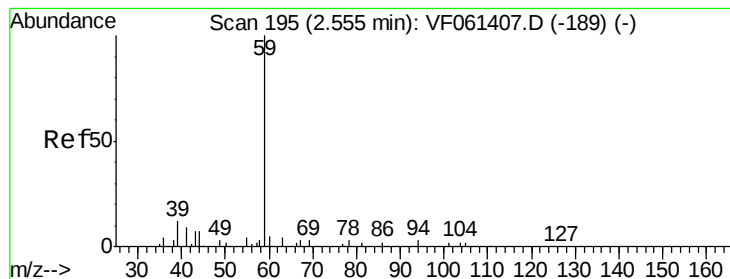


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



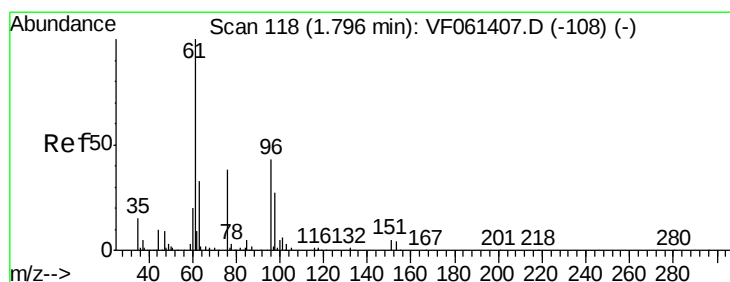
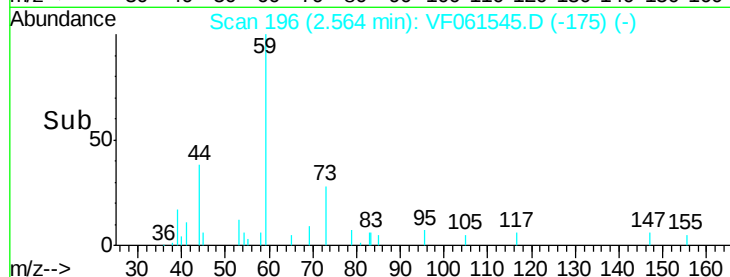
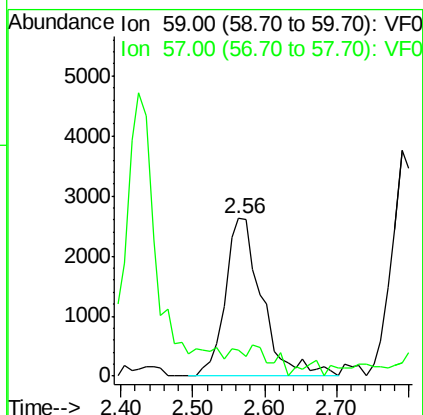
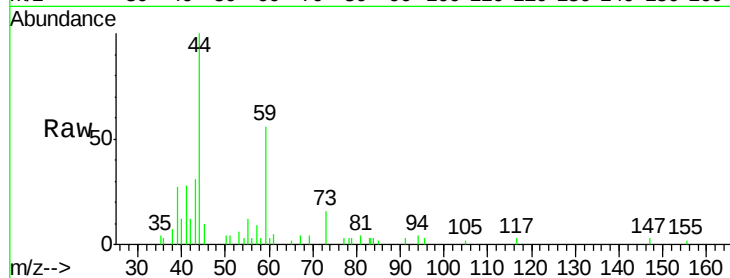


#11

Tert butyl alcohol
Concen: 91.527 ug/l
RT: 2.56 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Instrument :
MSVOA_F
ClientSampled :

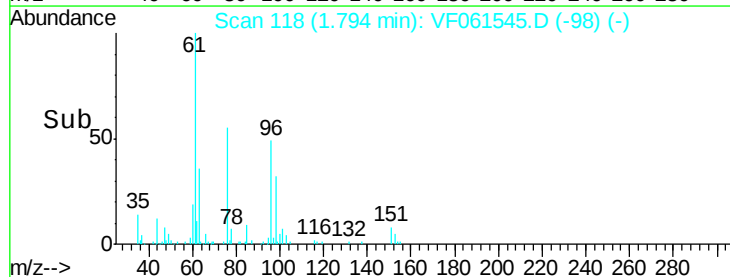
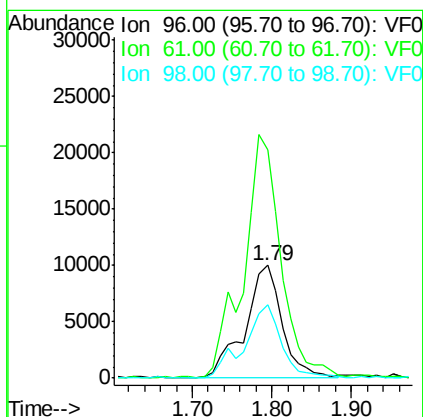
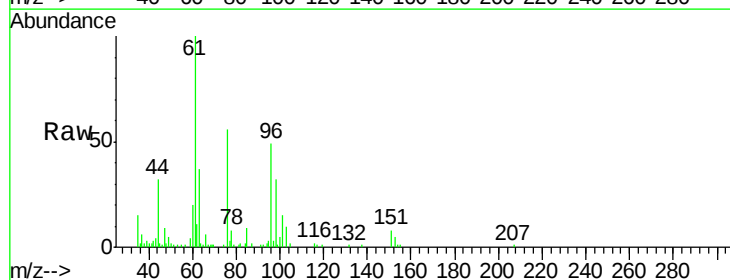
Tot Ion: 59 Resp: 9348
Ion Ratio Lower Upper
59 100
57 16.6 11.9 17.9

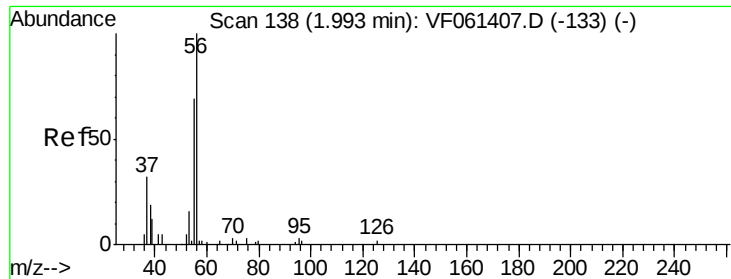


#12

1,1-Dichloroethene
Concen: 18.769 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Tgt Ion: 96 Resp: 32624
Ion Ratio Lower Upper
96 100
61 202.7 186.9 280.3
98 65.1 53.0 79.4





#13

Acrolein

Concen: 72.560 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

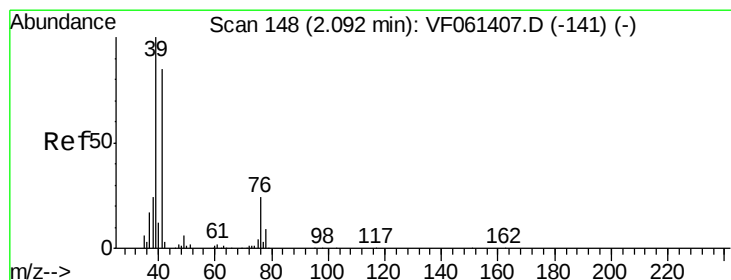
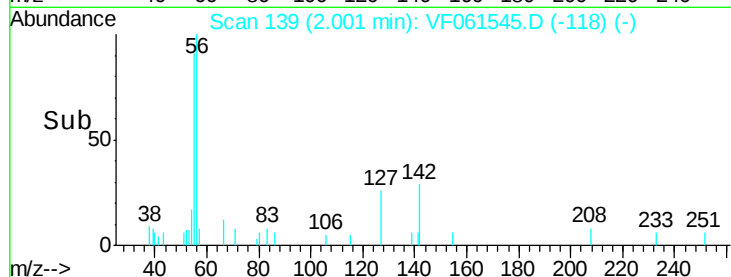
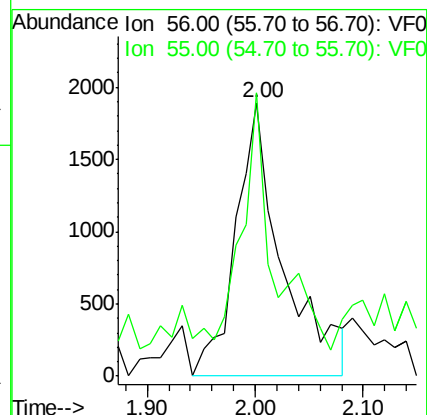
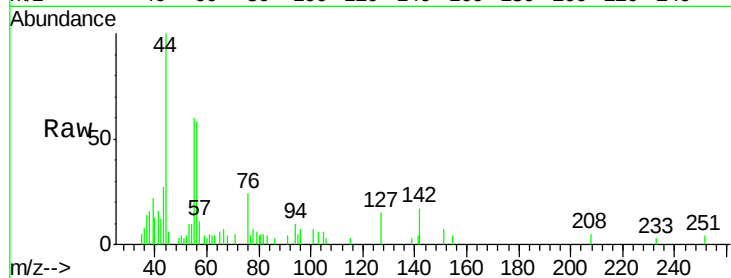
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 5710

Ion Ratio Lower Upper

56 100

55 103.5 57.5 86.3#



#14

Allyl chloride

Concen: 25.170 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

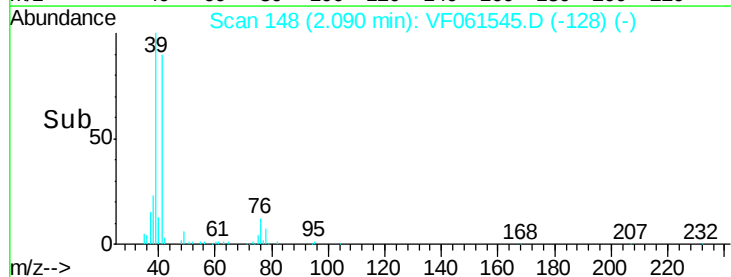
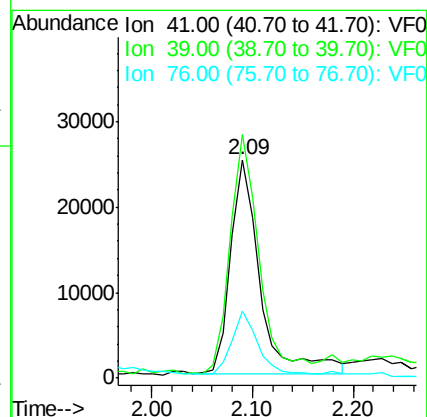
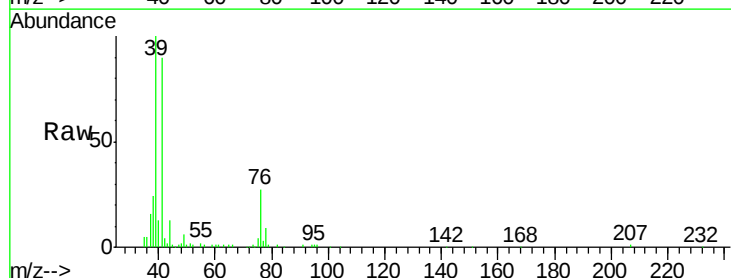
Tgt Ion: 41 Resp: 51288

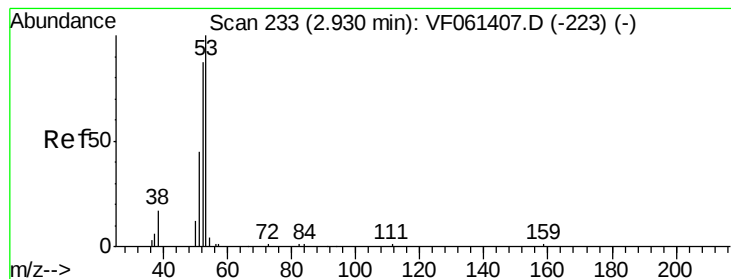
Ion Ratio Lower Upper

41 100

39 111.7 94.6 141.8

76 30.4 25.9 38.9





#15

Acrylonitrile

Concen: 96.374 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

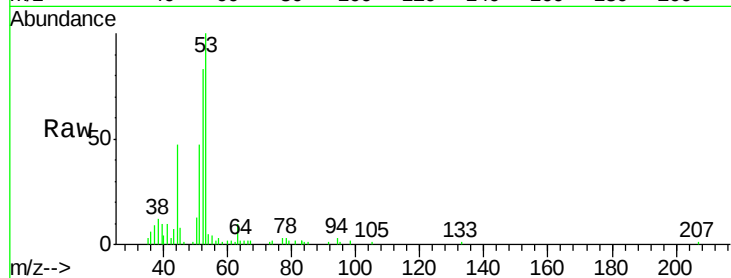
Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 25213

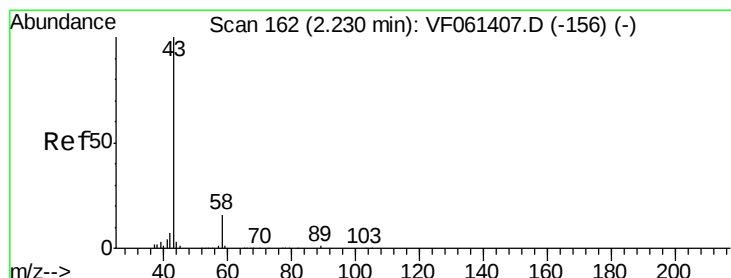
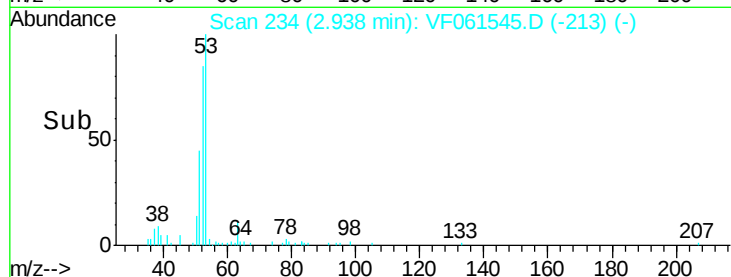
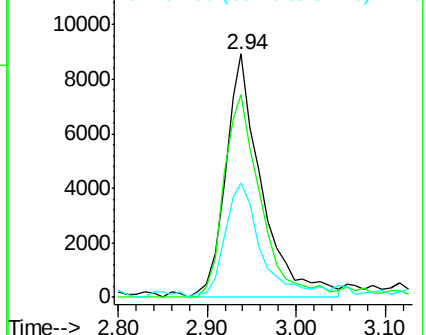
Ion	Ratio	Lower	Upper
53	100		
52	83.2	69.6	104.4
51	47.0	36.8	55.2



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: 110.169 ug/l

RT: 2.23 min Scan# 162

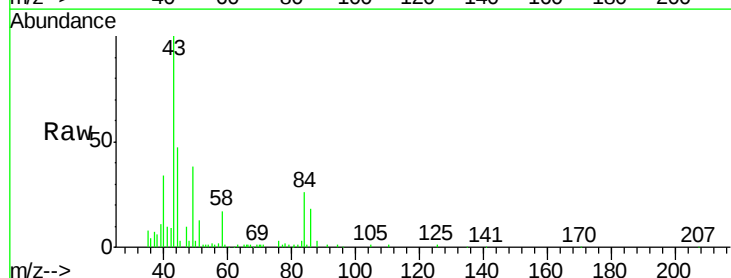
Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

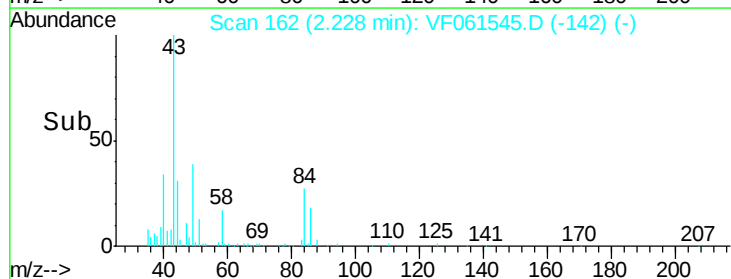
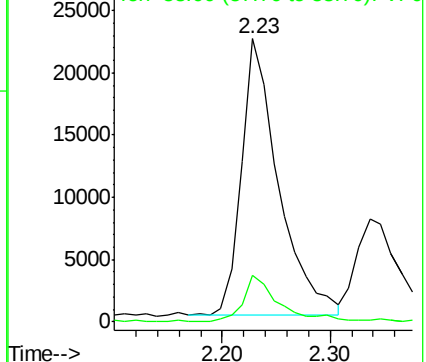
Tgt Ion: 43 Resp: 53328

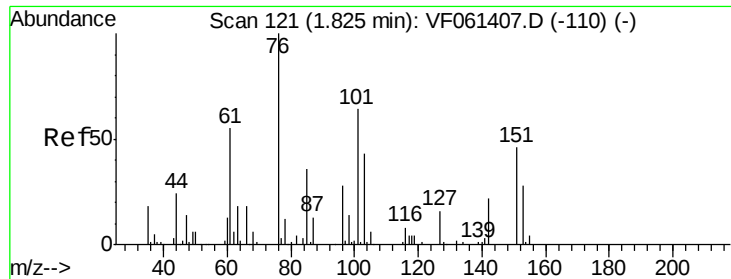
Ion	Ratio	Lower	Upper
43	100		
58	16.6	13.3	19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

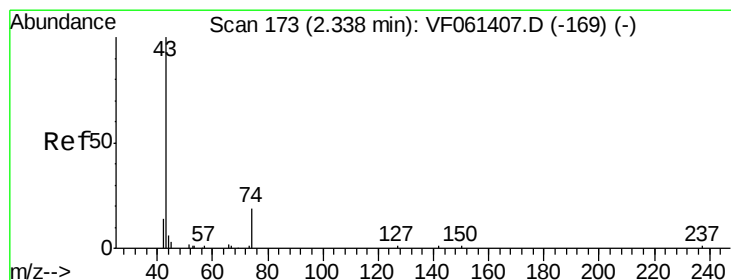
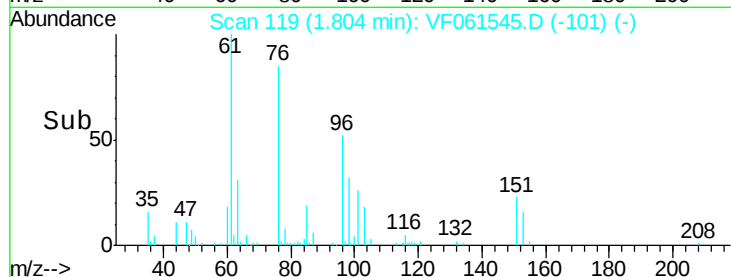
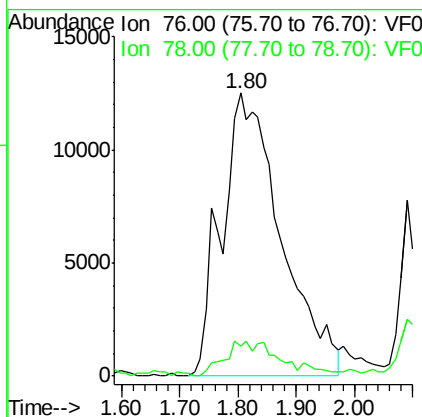
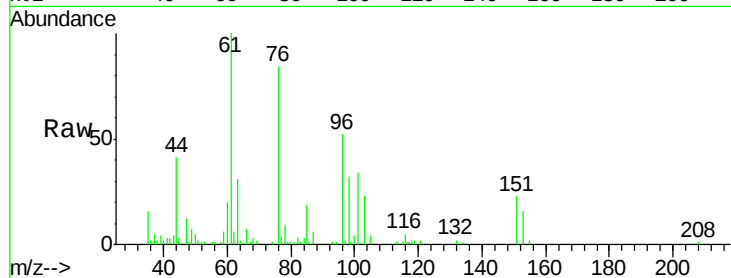




#17
Carbon Disulfide
Concen: 16.499 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

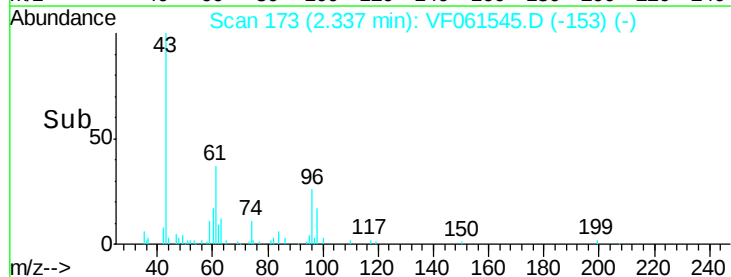
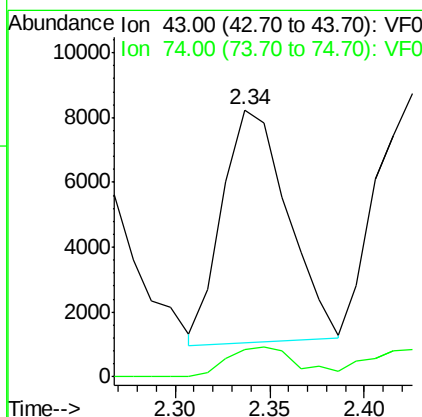
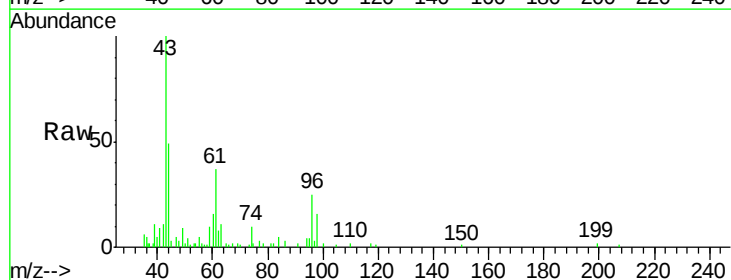
Instrument :
MSVOA_F
ClientSampleId :

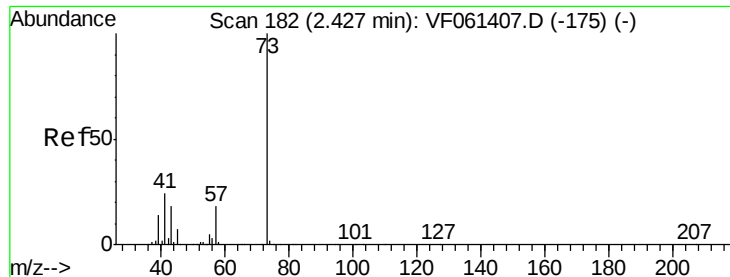
Tot Ion: 76 Resp: 89421
Ion Ratio Lower Upper
76 100
78 10.5 9.6 14.4



#18
Methyl Acetate
Concen: 17.936 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Tgt Ion: 43 Resp: 17218
Ion Ratio Lower Upper
43 100
74 10.4 13.4 20.0#



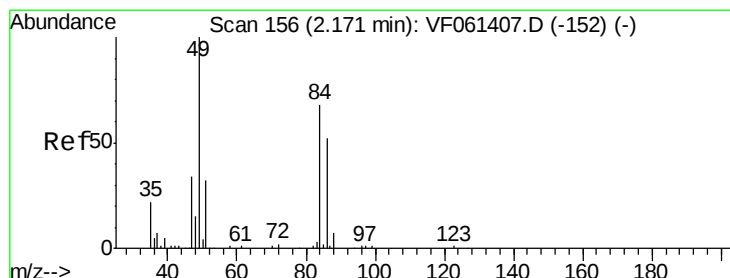
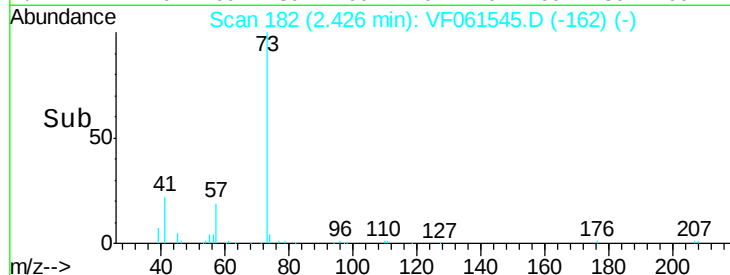
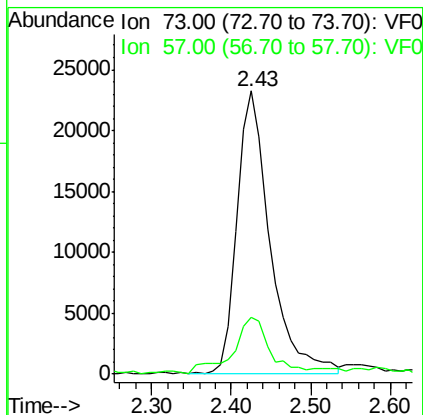
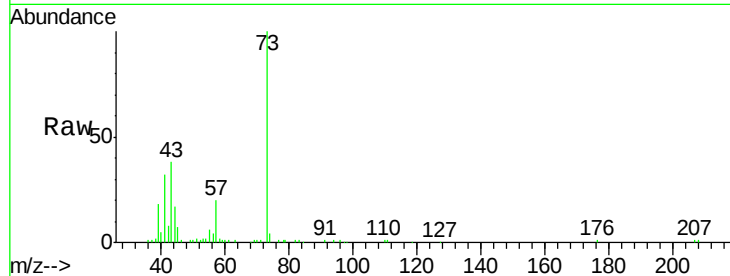


#19

Methyl tert-butyl Ether
 Concen: 17.272 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF061545.D
 Acq: 7 Feb 2019 15:18

Instrument :
 MSVOA_F
 ClientSampled :

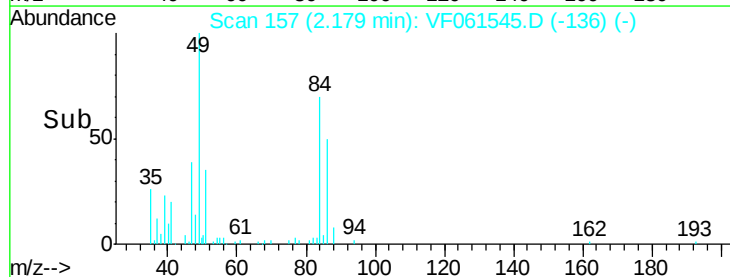
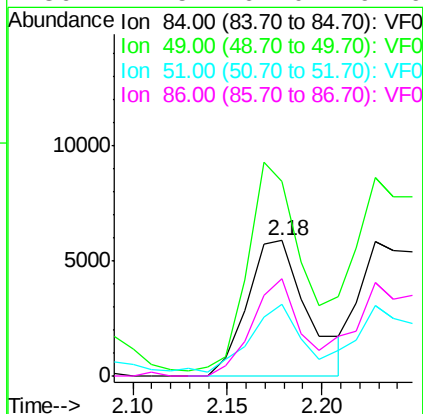
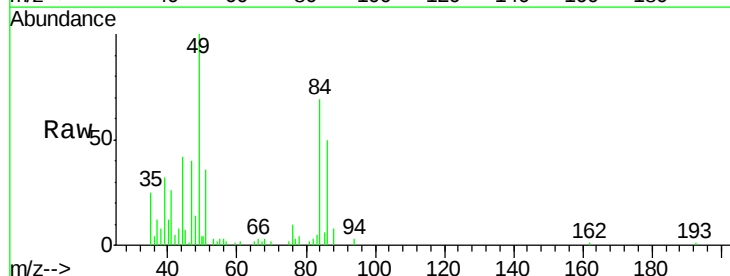
Tot Ion: 73 Resp: 67302
 Ion Ratio Lower Upper
 73 100
 57 20.3 14.8 22.2

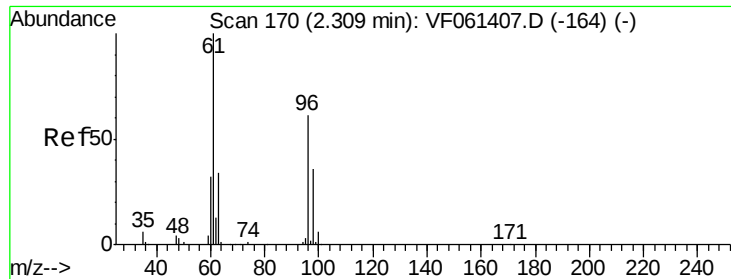


#20

Methylene Chloride
 Concen: 6.373 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. 0.01 min
 Lab File: VF061545.D
 Acq: 7 Feb 2019 15:18

Tgt Ion: 84 Resp: 12991
 Ion Ratio Lower Upper
 84 100
 49 144.2 120.0 180.0
 51 52.6 38.6 58.0
 86 71.5 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 17.578 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

ClientSampleId :

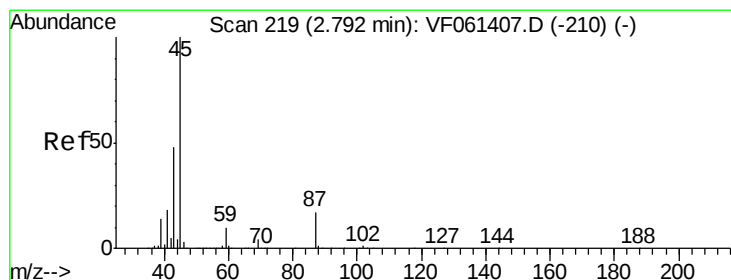
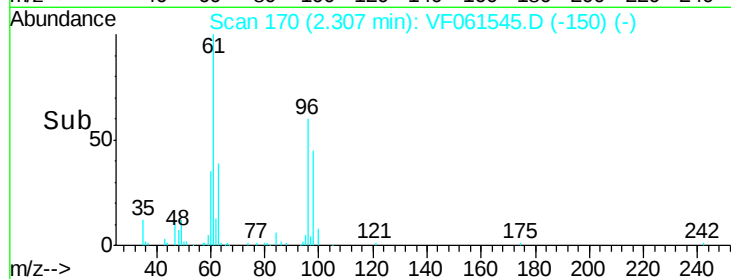
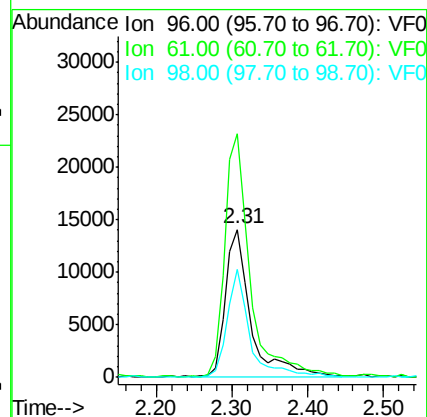
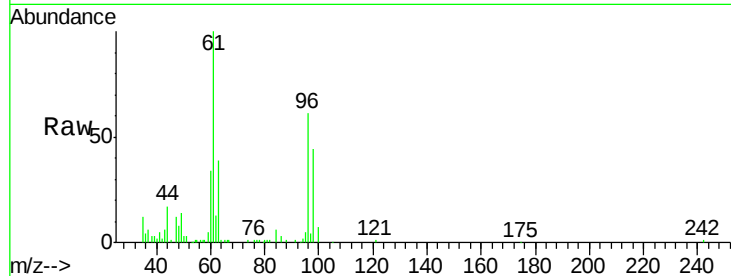
Tot Ion: 96 Resp: 33616

Ion Ratio Lower Upper

96 100

61 164.8 131.8 197.8

98 73.3 47.4 71.0#



#22

Diisopropyl ether

Concen: 18.382 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Tgt Ion: 45 Resp: 113707

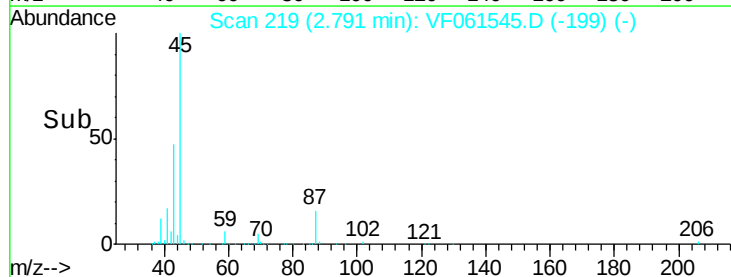
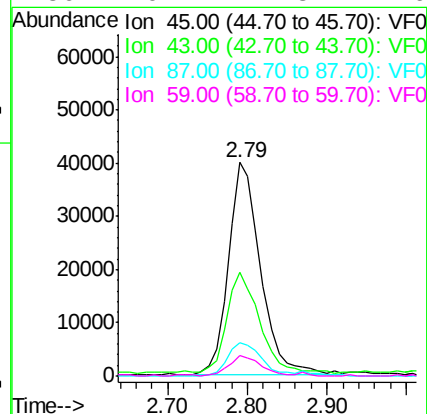
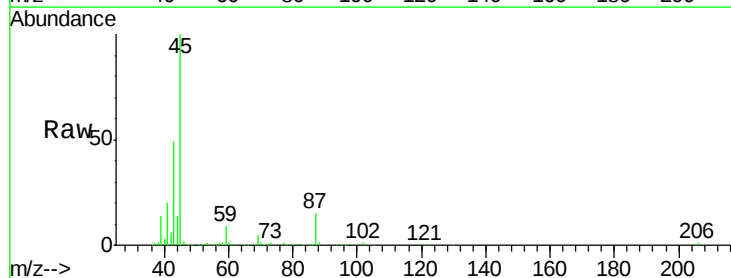
Ion Ratio Lower Upper

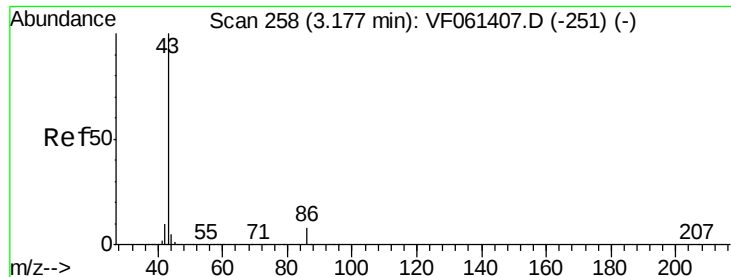
45 100

43 48.6 39.0 58.6

87 15.4 13.9 20.9

59 9.4 7.8 11.6





#23

Vinyl Acetate

Concen: 102.681 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

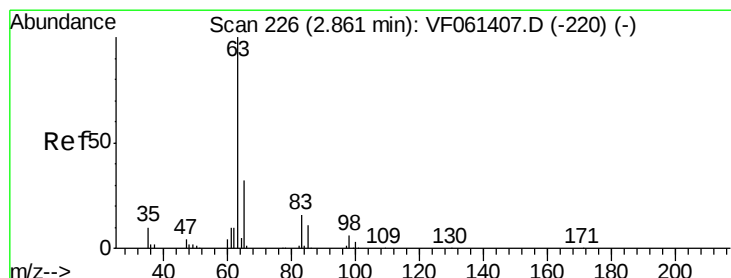
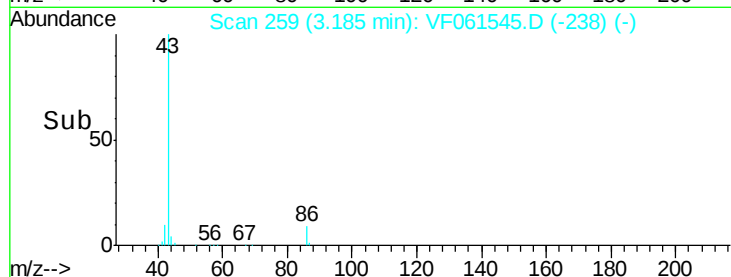
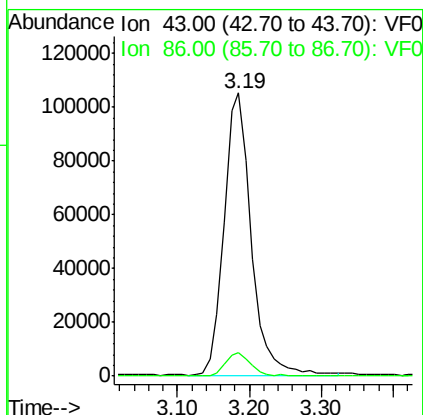
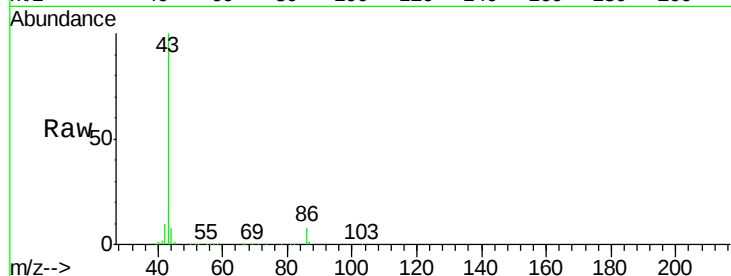
ClientSampleId :

Tot Ion: 43 Resp: 274181

Ion Ratio Lower Upper

43 100

86 8.5 6.2 9.4



#24

1,1-Dichloroethane

Concen: 17.969 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

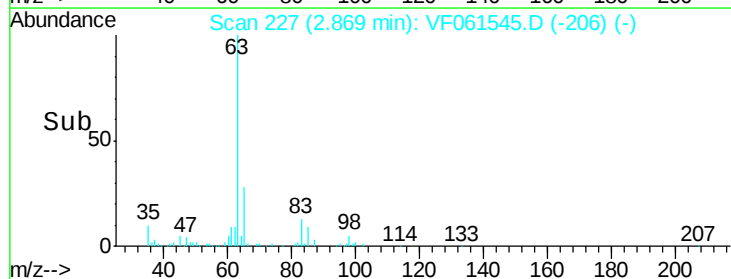
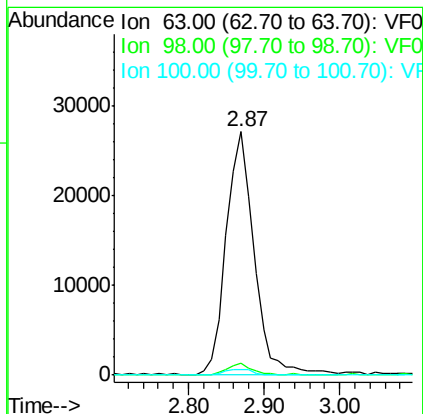
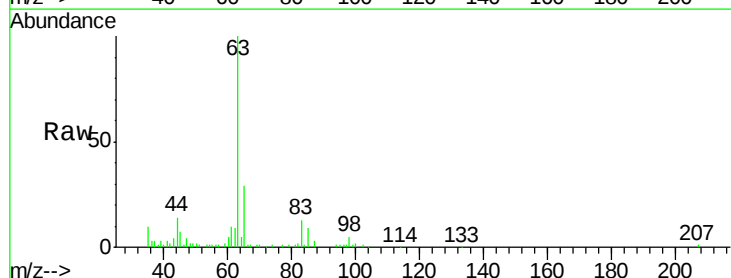
Tgt Ion: 63 Resp: 69761

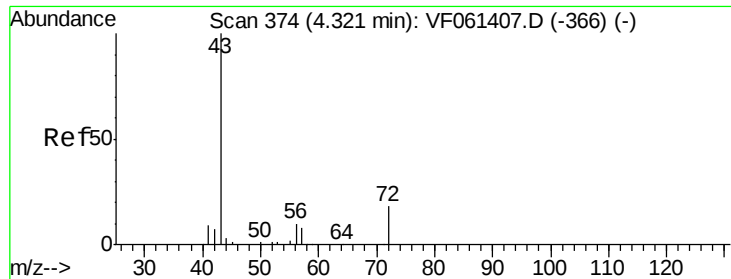
Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.8

100 2.3 1.6 4.8





#25

2-Butanone

Concen: 101.593 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

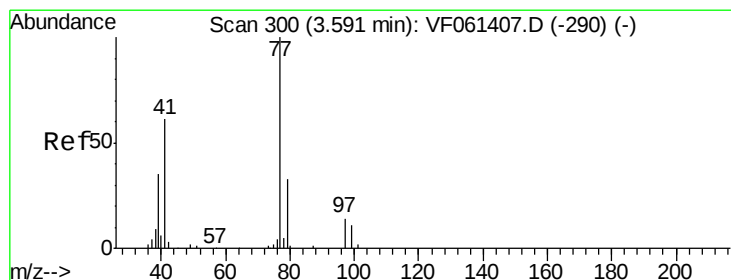
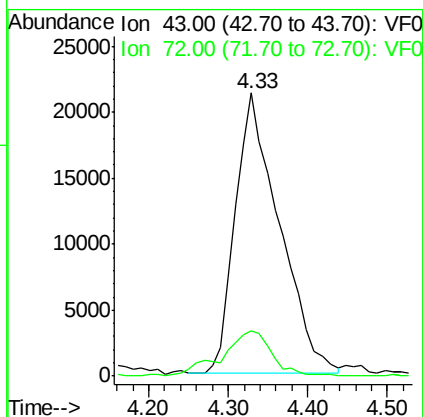
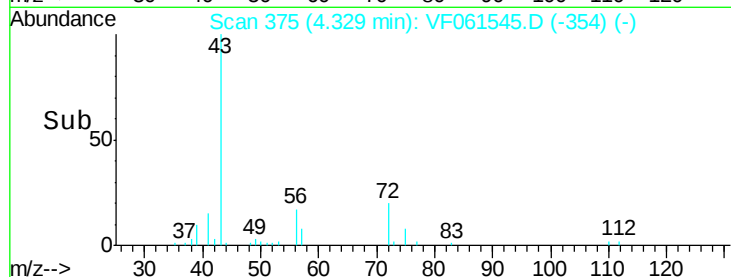
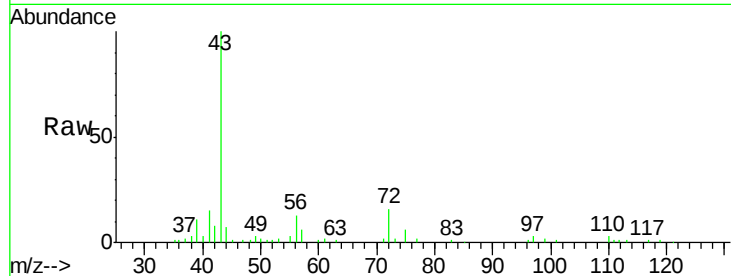
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 81779

Ion Ratio Lower Upper

43 100

72 16.1 15.8 23.6



#26

2,2-Dichloropropane

Concen: 18.980 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061545.D

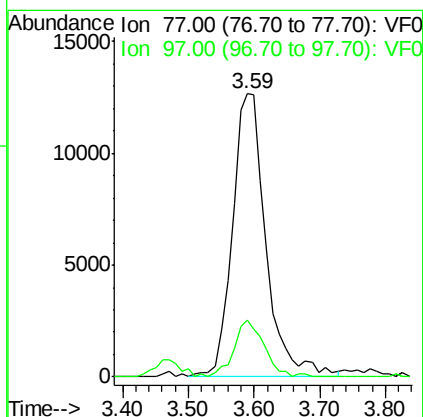
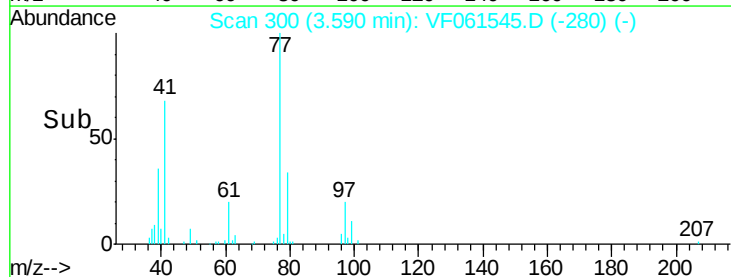
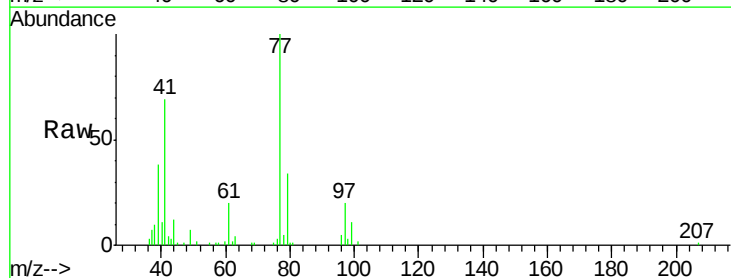
Acq: 7 Feb 2019 15:18

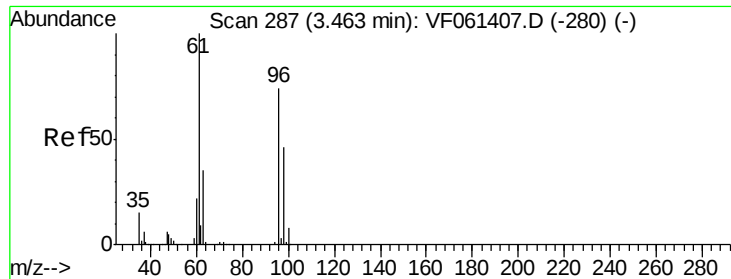
Tgt Ion: 77 Resp: 45272

Ion Ratio Lower Upper

77 100

97 20.3 8.5 25.5



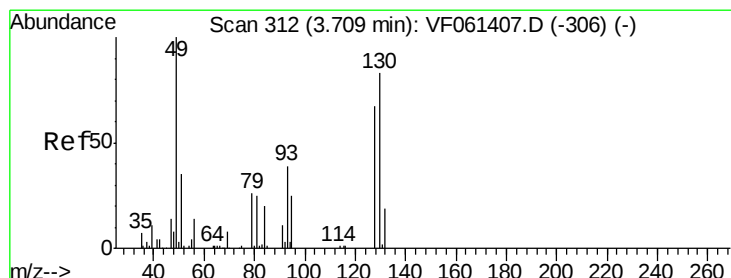
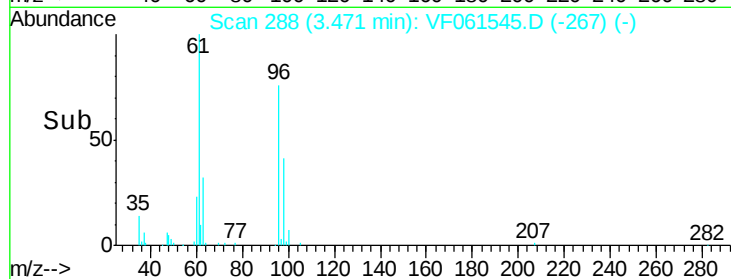
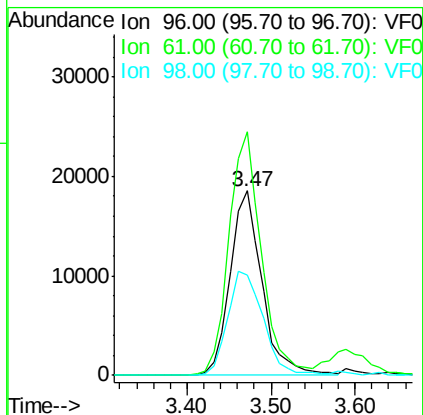
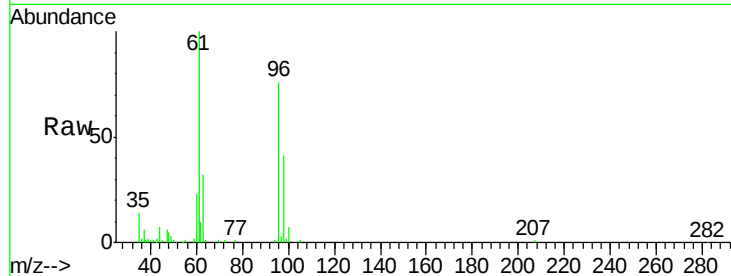


#27

cis-1,2-Dichloroethene
Concen: 17.455 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Instrument :
MSVOA_F
ClientSampleId :

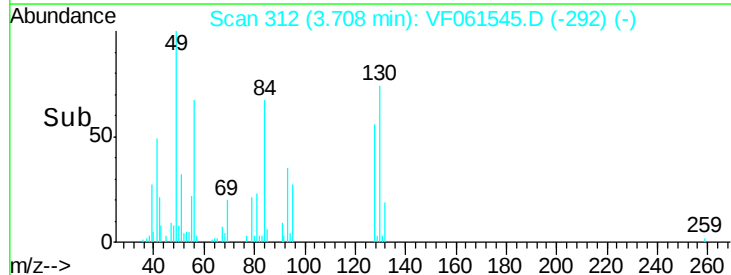
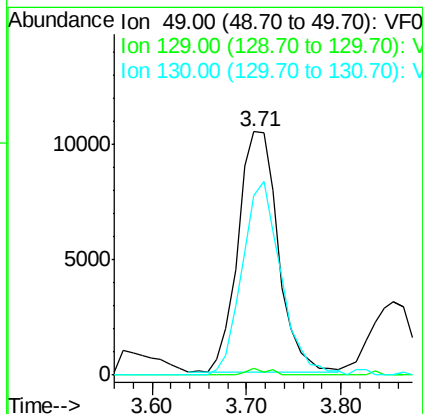
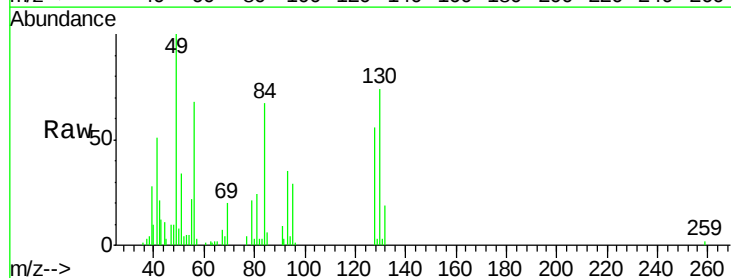
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.9	0.0	270.2
98	54.4	0.0	124.0

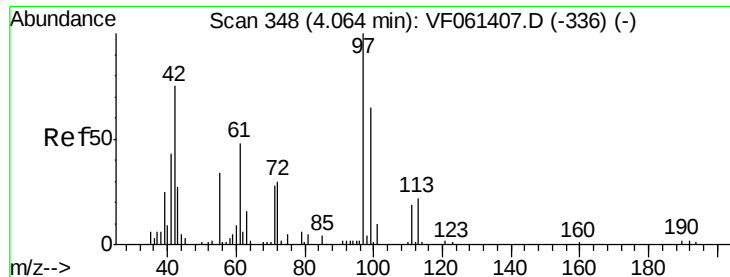


#28

Bromochloromethane
Concen: 17.553 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	0.0#
130	73.8	65.4	98.2





#29

Tetrahydrofuran

Concen: 87.625 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

ClientSampleId :

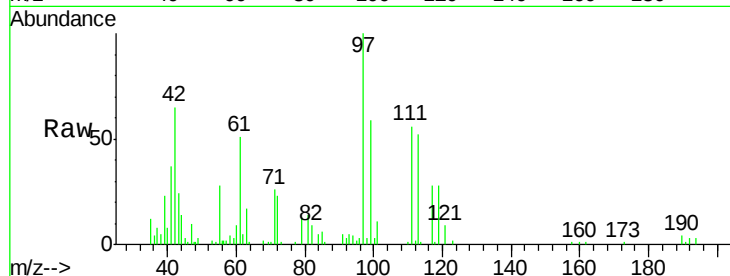
Tot Ion: 42 Resp: 30372

Ion Ratio Lower Upper

42 100

72 38.5 28.9 43.3

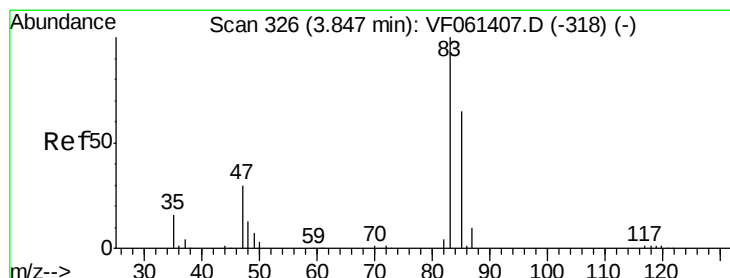
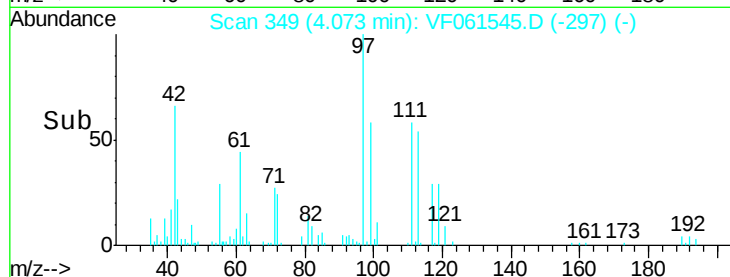
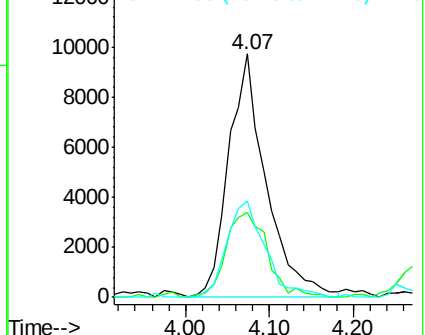
71 40.4 29.6 44.4



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: 19.201 ug/l

RT: 3.85 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF061545.D

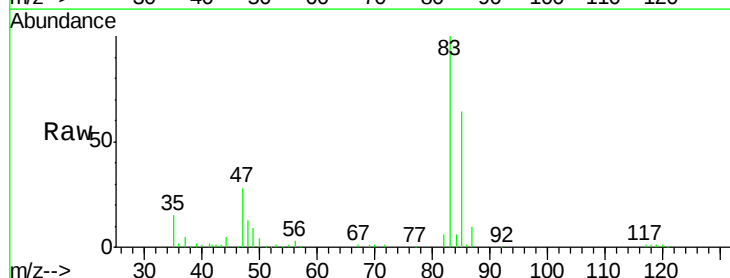
Acq: 7 Feb 2019 15:18

Tgt Ion: 83 Resp: 100604

Ion Ratio Lower Upper

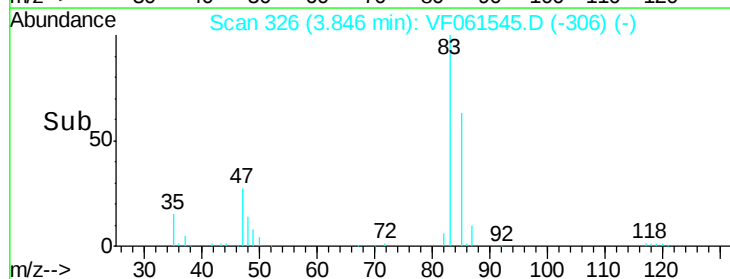
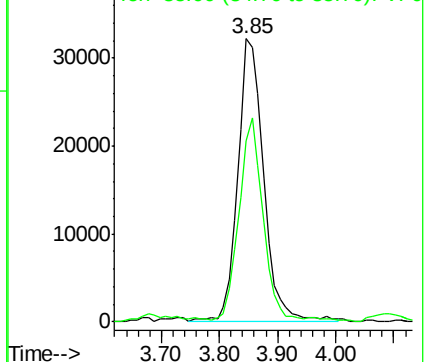
83 100

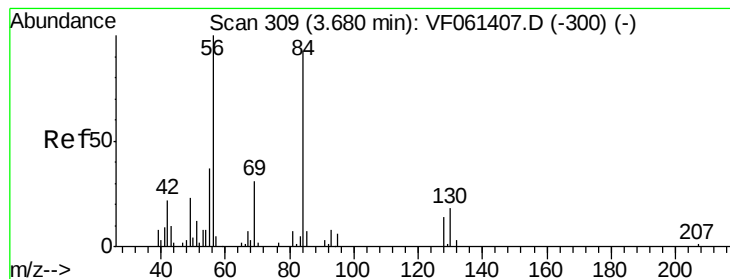
85 63.9 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 12.238 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :
MSVOA_F
ClientSampleId :

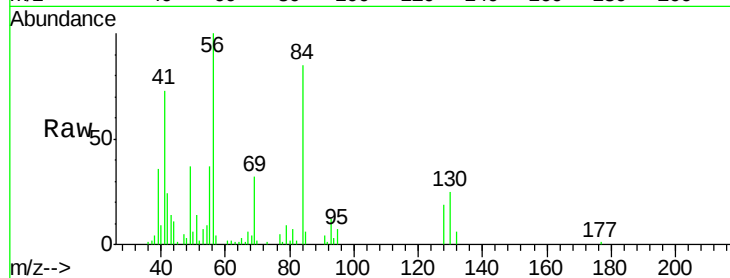
Tot Ion: 56 Resp: 47459

Ion Ratio Lower Upper

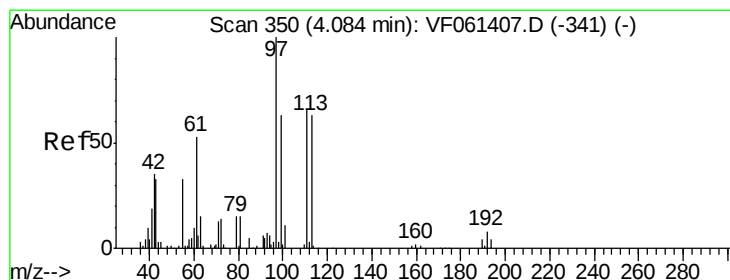
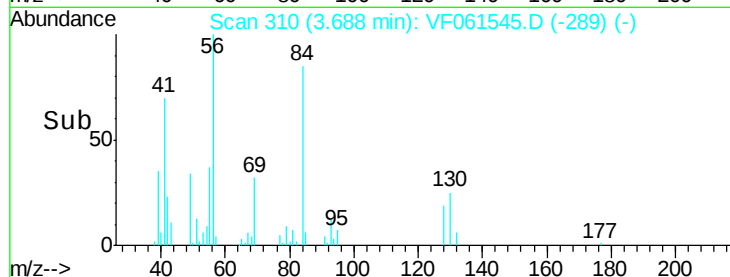
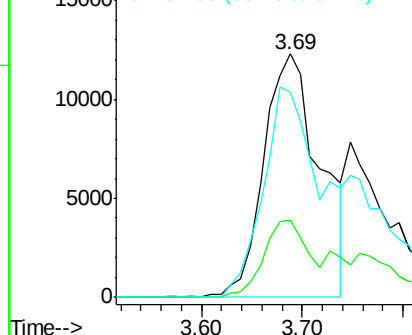
56 100

69 31.7 24.6 36.8

84 84.5 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: 18.524 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

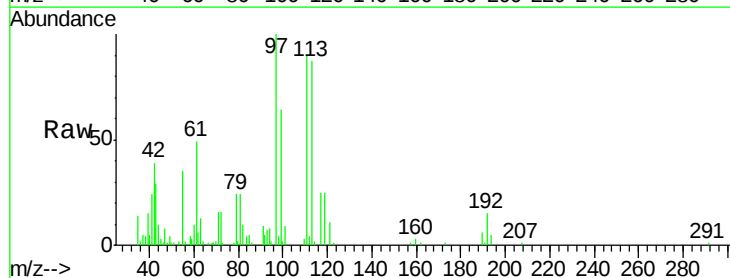
Tgt Ion: 97 Resp: 71162

Ion Ratio Lower Upper

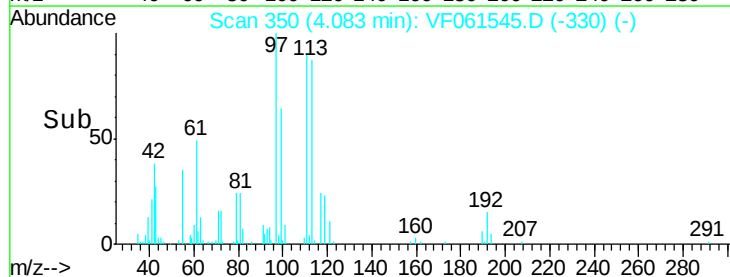
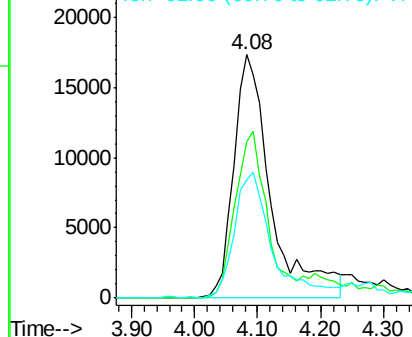
97 100

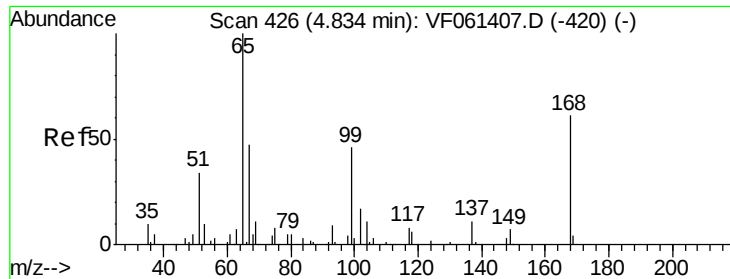
99 64.5 50.1 75.1

61 48.7 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: 38.198 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

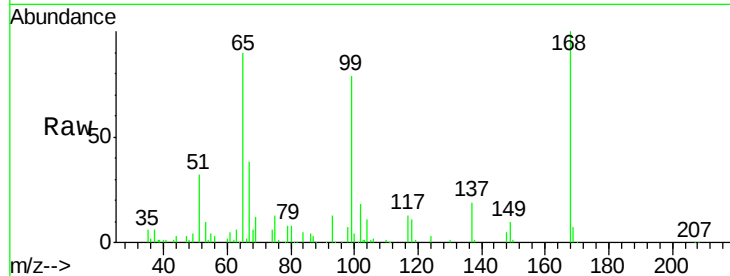
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 92167

Ion Ratio Lower Upper

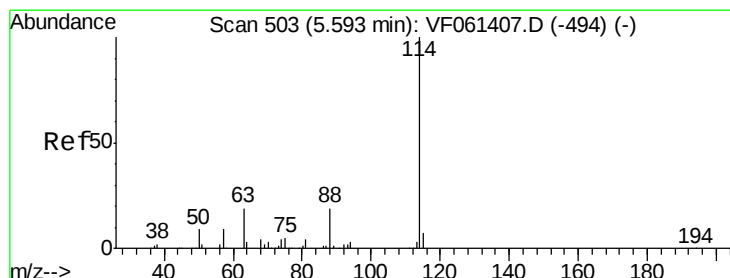
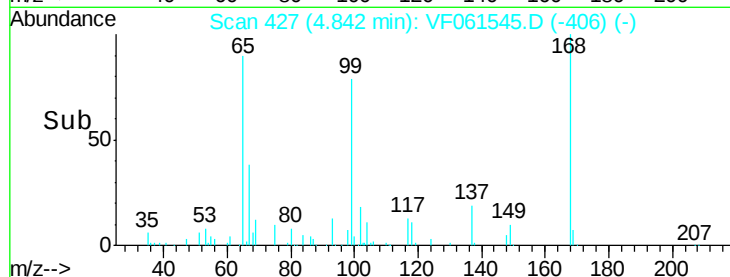
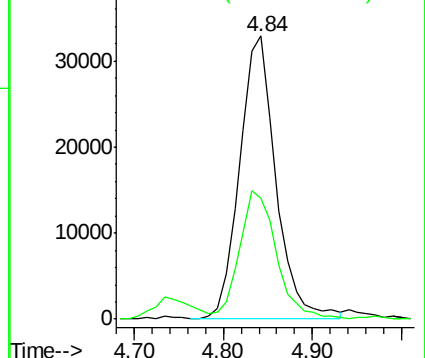
65 100

67 42.6 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: VF061545.D

Acq: 7 Feb 2019 15:18

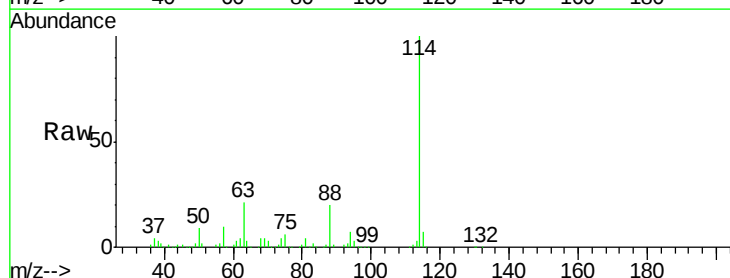
Tgt Ion: 114 Resp: 323071

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.0

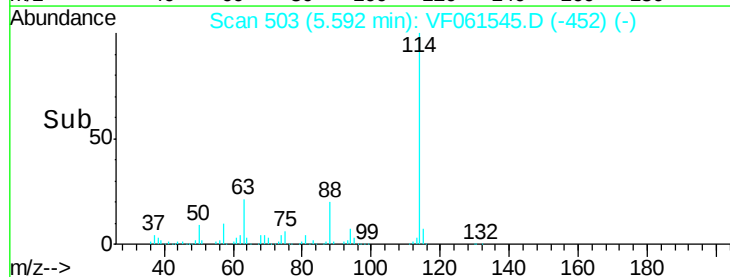
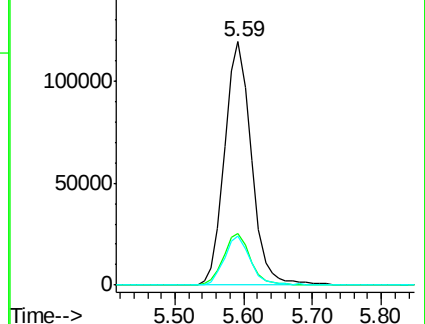
88 20.0 0.0 37.4

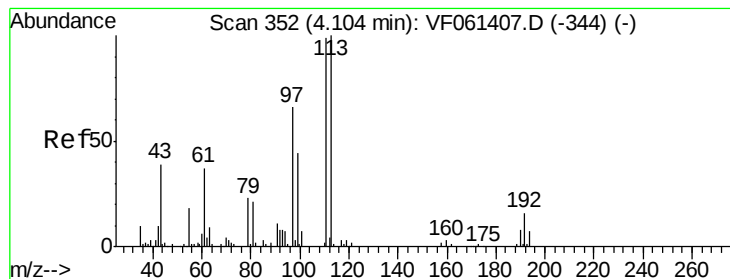


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 40.115 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :
MSVOA_F
ClientSampleId :

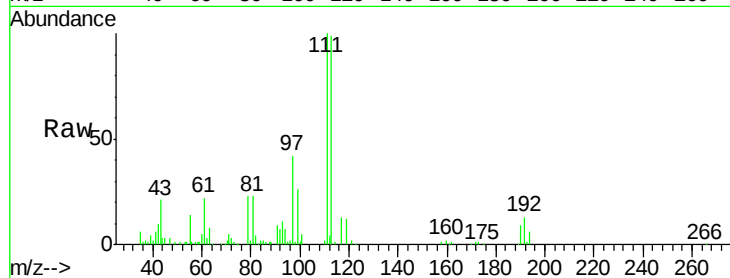
Tot Ion:113 Resp: 102265

Ion Ratio Lower Upper

113 100

111 101.5 79.4 119.0

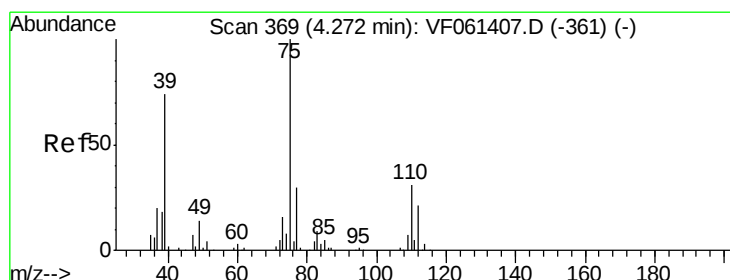
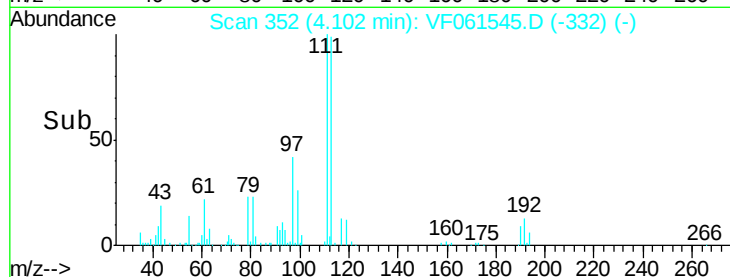
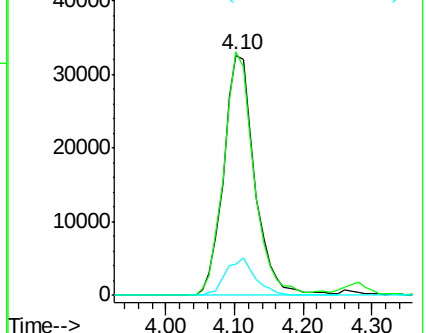
192 13.0 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 19.704 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

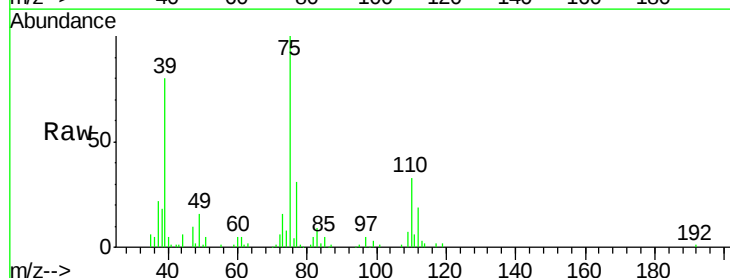
Tgt Ion: 75 Resp: 73809

Ion Ratio Lower Upper

75 100

110 33.2 15.8 47.3

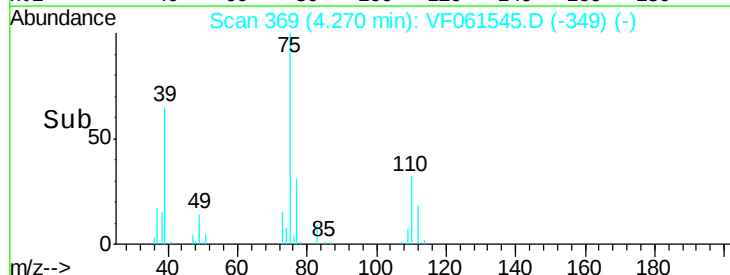
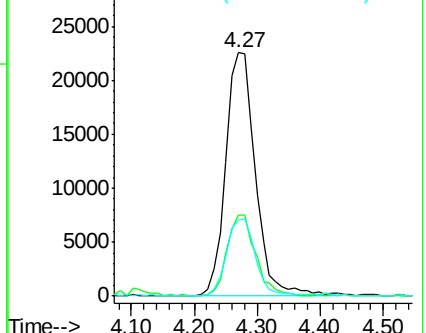
77 31.4 24.0 36.0

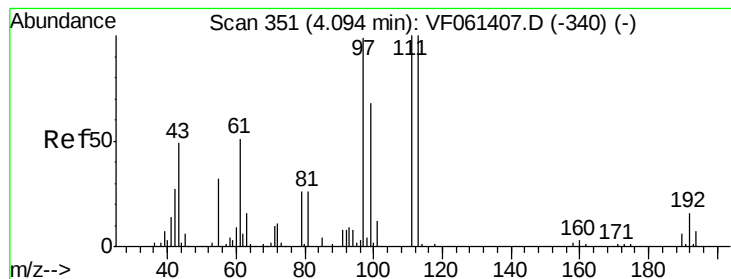


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 19.406 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.02 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :
MSVOA_F
ClientSampled :

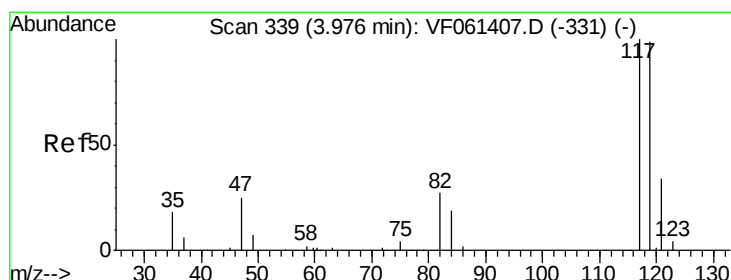
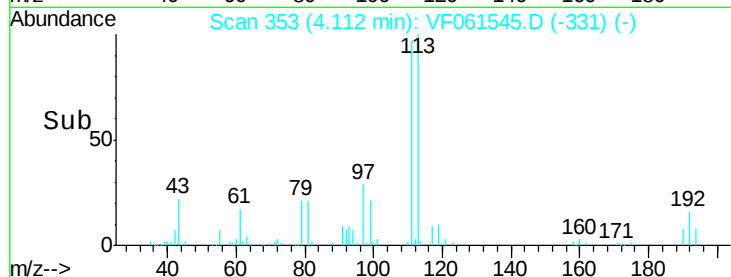
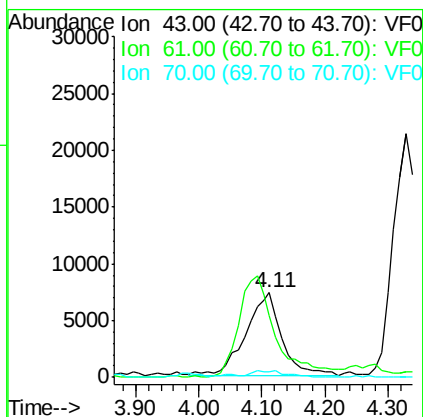
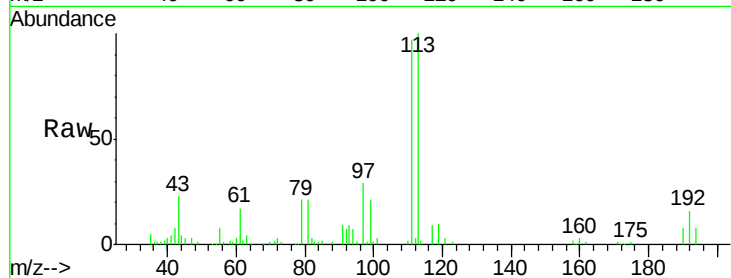
Tot Ion: 43 Resp: 29057

Ion Ratio Lower Upper

43 100

61 72.7 81.7 122.5#

70 5.8 6.2 9.2#



#38

Carbon Tetrachloride

Concen: 19.575 ug/l

RT: 3.98 min Scan# 340

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

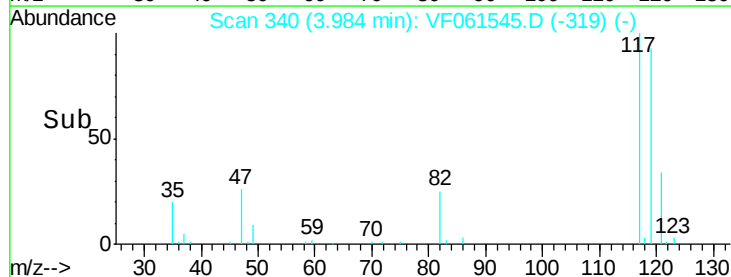
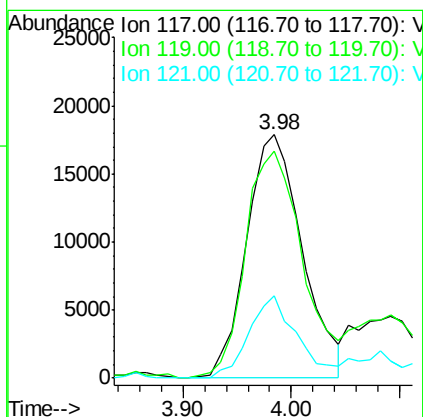
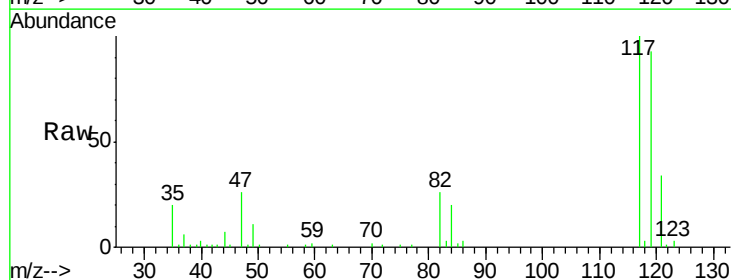
Tgt Ion: 117 Resp: 64103

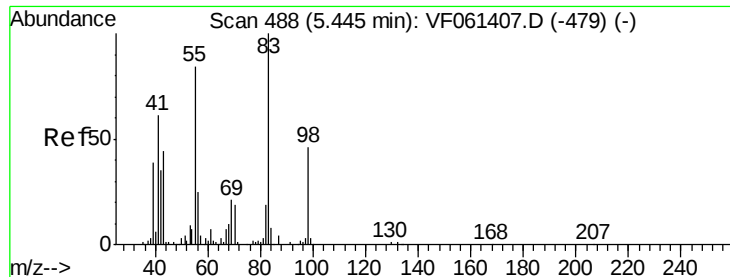
Ion Ratio Lower Upper

117 100

119 93.2 79.0 118.6

121 33.7 27.0 40.6

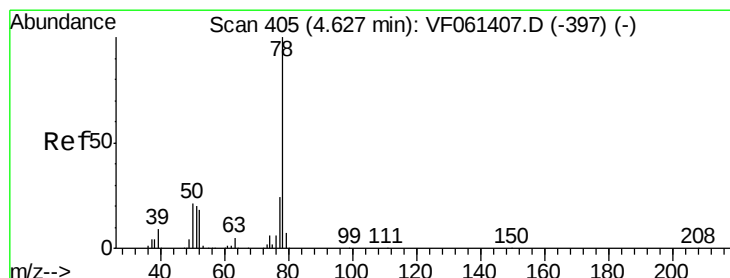
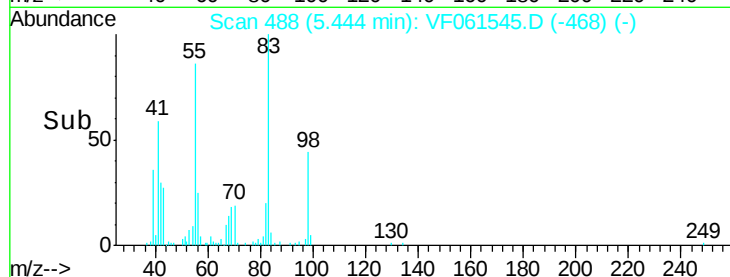
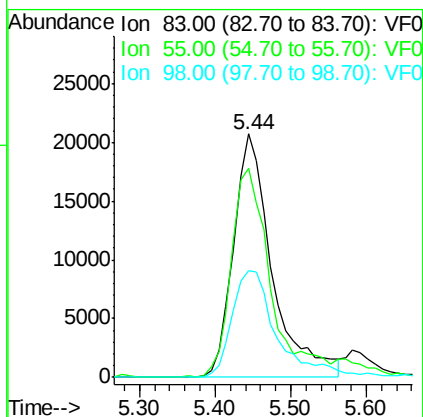
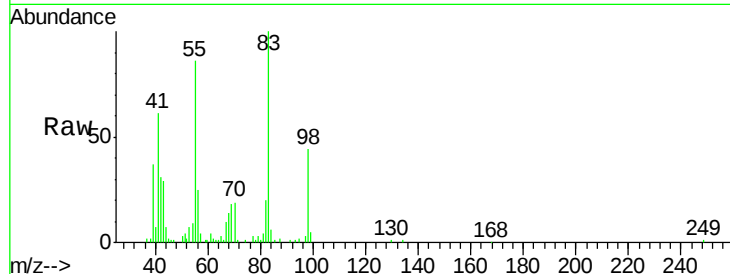




#39
Methvlcvclohexane
Concen: 18.117 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

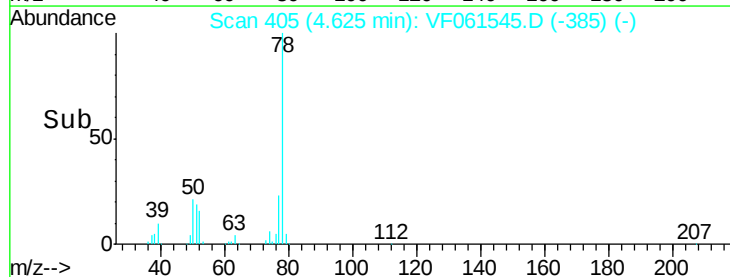
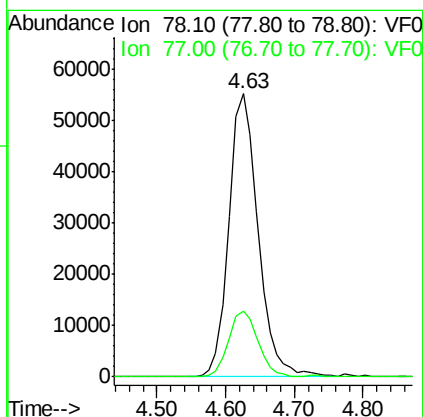
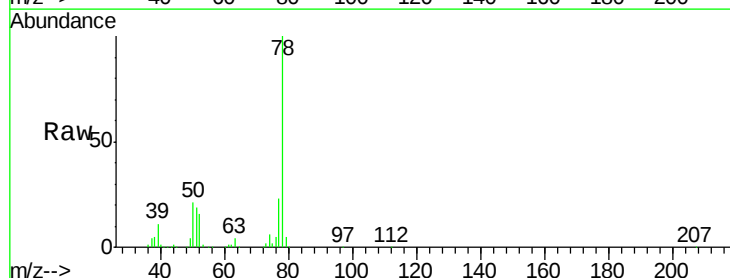
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 73544
Ion Ratio Lower Upper
83 100
55 86.1 67.4 101.2
98 43.6 36.7 55.1



#40
Benzene
Concen: 19.560 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Tgt Ion: 78 Resp: 163037
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6

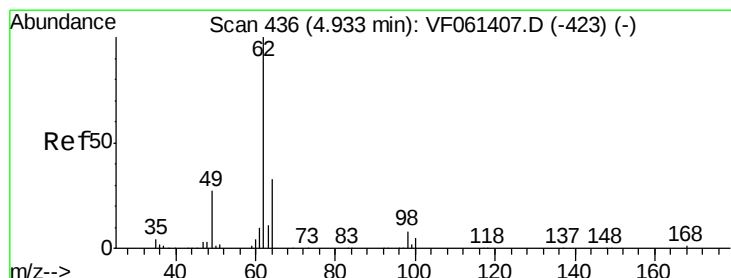
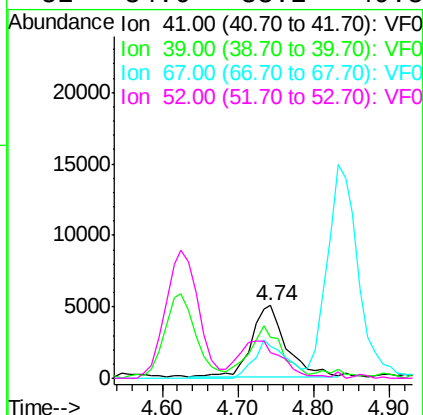
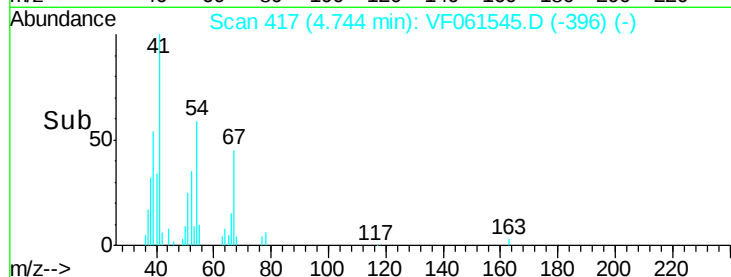
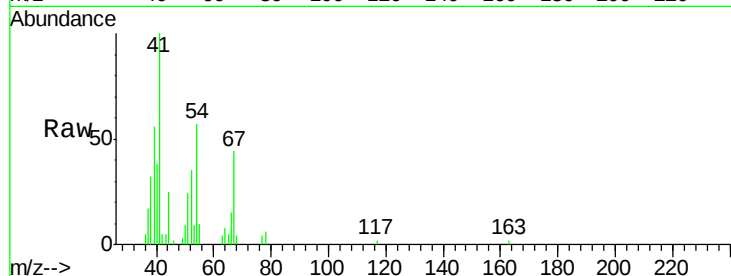




#41
Methacrylonitrile
Concen: 19.988 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.01 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

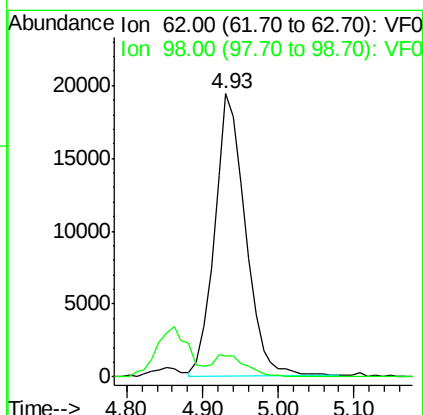
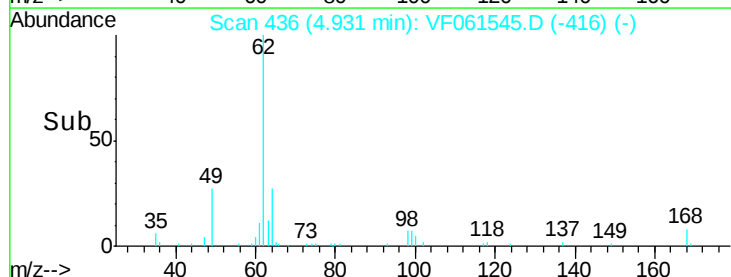
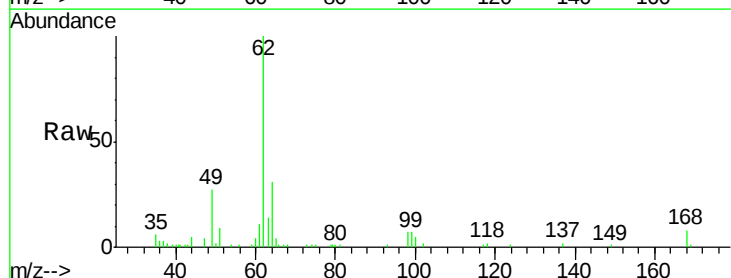
Instrument :
MSVOA_F
ClientSampled :

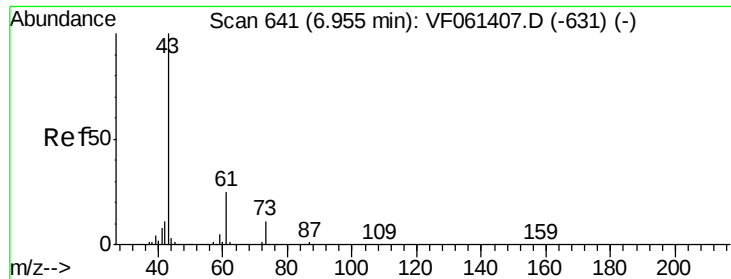
Tot Ion:	41	Resp:	15925
Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.1	64.7
67	44.3	38.8	58.2
52	34.6	33.2	49.8



#42
1,2-Dichloroethane
Concen: 18.473 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Tgt Ion:	62	Resp:	54869
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	17.0



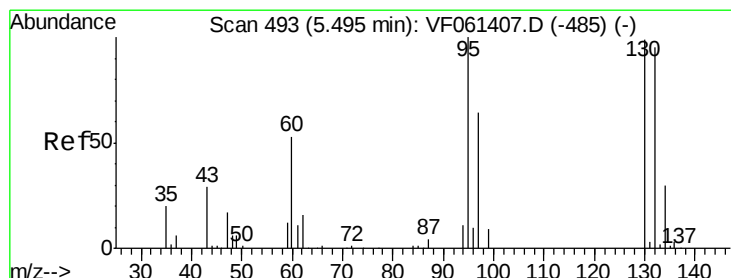
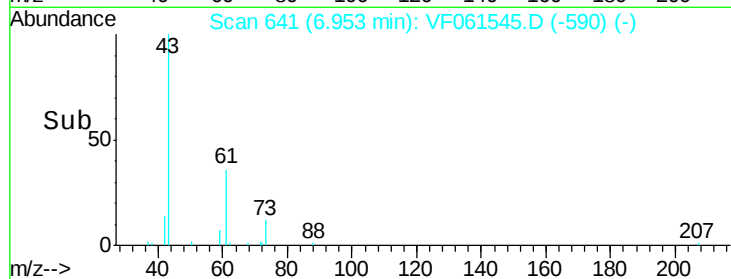
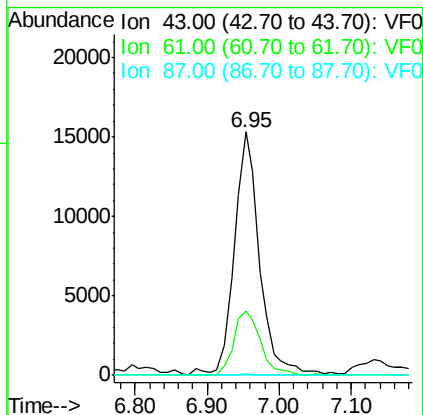
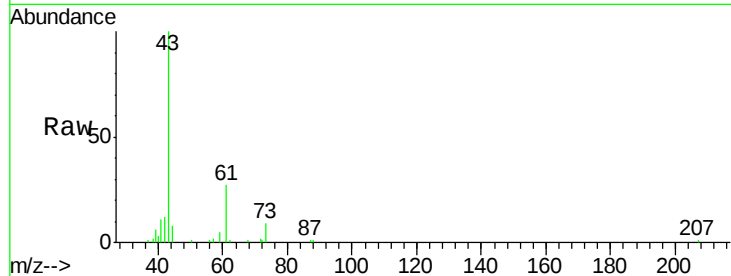


#43

Isopropyl Acetate
 Concen: 20.031 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VF061545.D
 Acq: 7 Feb 2019 15:18

Instrument :
 MSVOA_F
 ClientSampleId :

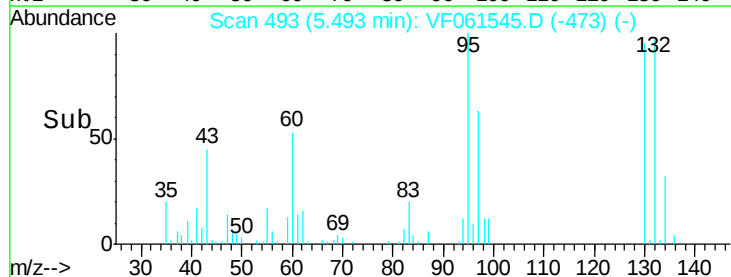
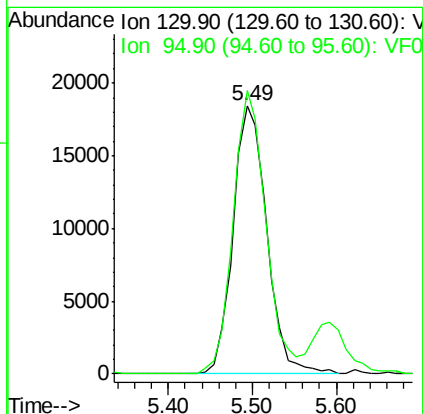
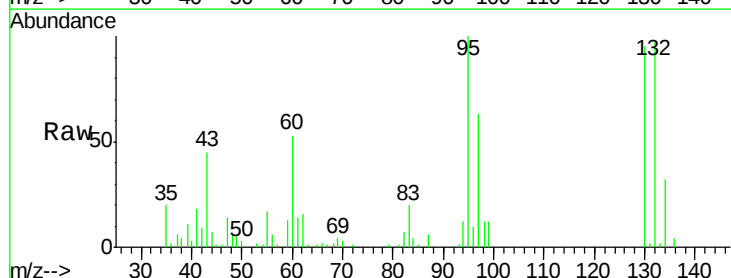
Tot Ion: 43 Resp: 37643
 Ion Ratio Lower Upper
 43 100
 61 26.5 20.3 30.5
 87 0.9 0.5 0.7#

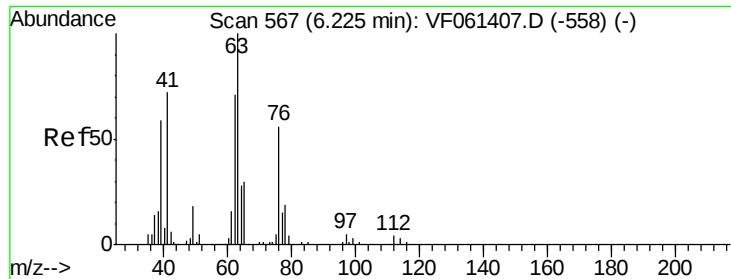


#44

Trichloroethene
 Concen: 20.106 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VF061545.D
 Acq: 7 Feb 2019 15:18

Tgt Ion:130 Resp: 51409
 Ion Ratio Lower Upper
 130 100
 95 105.5 0.0 202.8





#45

1,2-Dichloropropane

Concen: 18.760 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

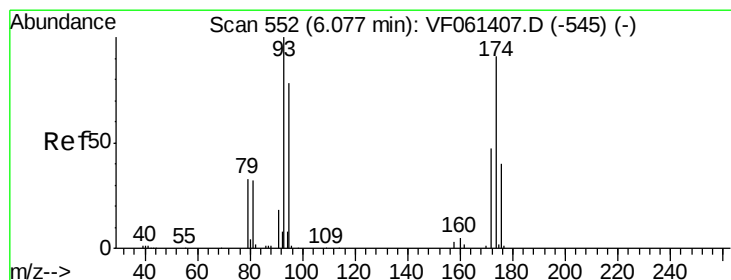
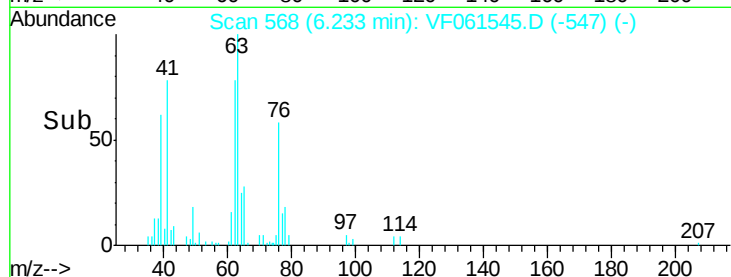
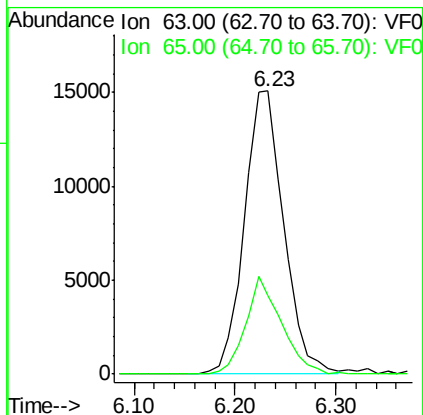
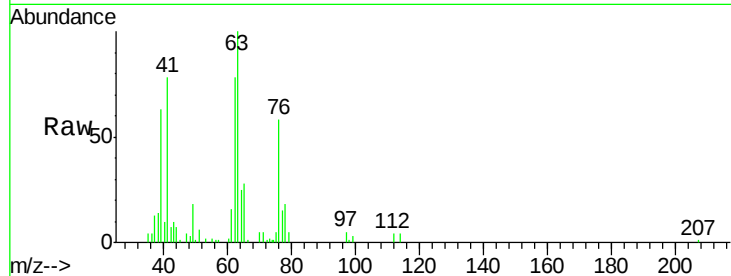
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 41040

Ion Ratio Lower Upper

63 100

65 27.6 24.4 36.6



#46

Dibromomethane

Concen: 19.029 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

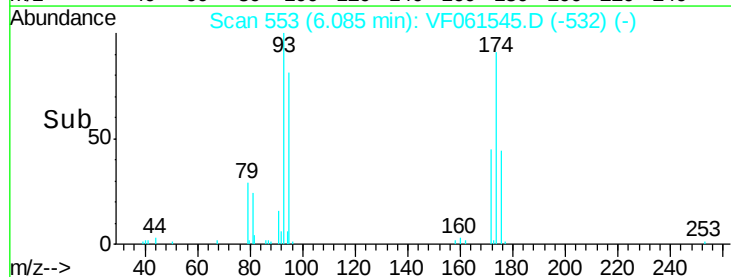
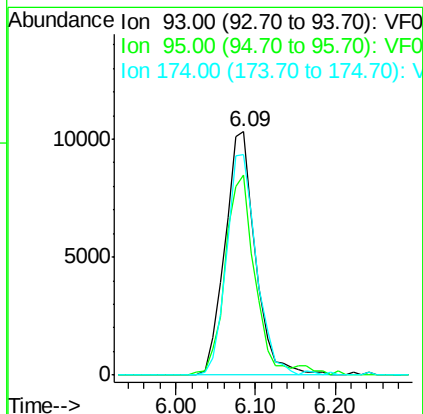
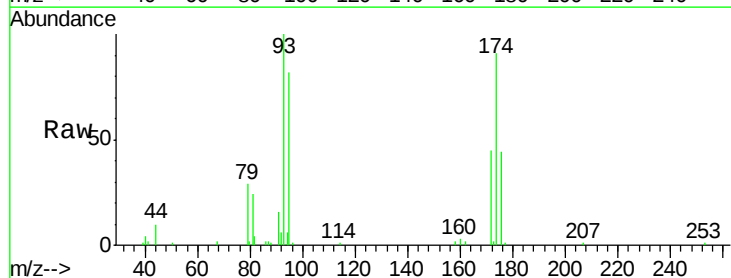
Tgt Ion: 93 Resp: 27680

Ion Ratio Lower Upper

93 100

95 82.4 62.1 93.1

174 90.6 74.6 111.8





#47

Bromodichloromethane

Concen: 19.312 ug/l

RT: 6.38 min Scan# 583

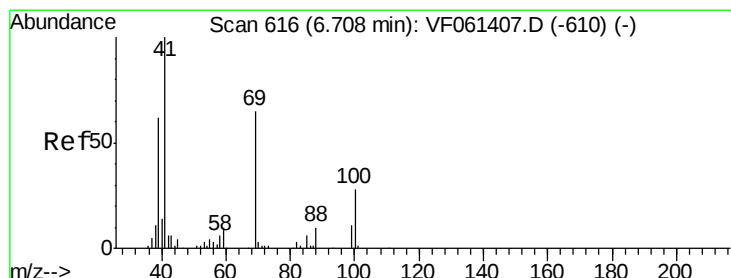
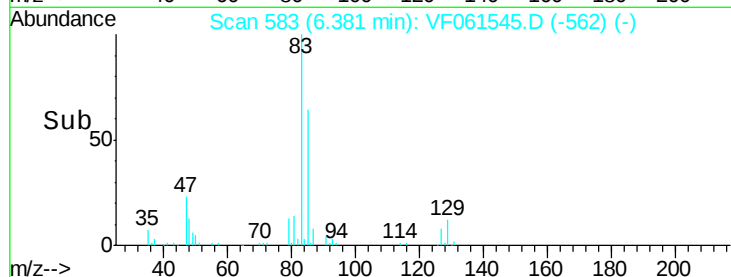
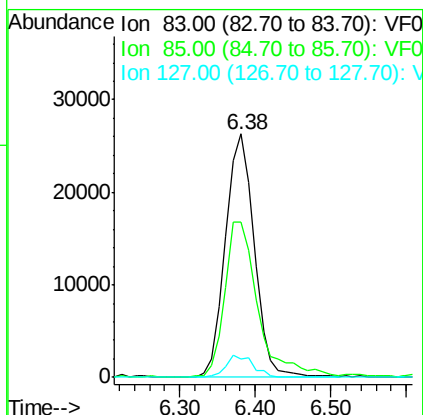
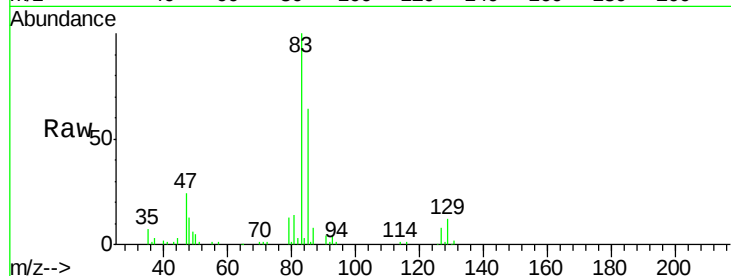
Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	83	Resp:	69503
Ion	Ratio	Lower	Upper
83	100		
85	63.8	53.0	79.4
127	7.6	6.9	10.3



#48

Methyl methacrylate

Concen: 18.297 ug/l

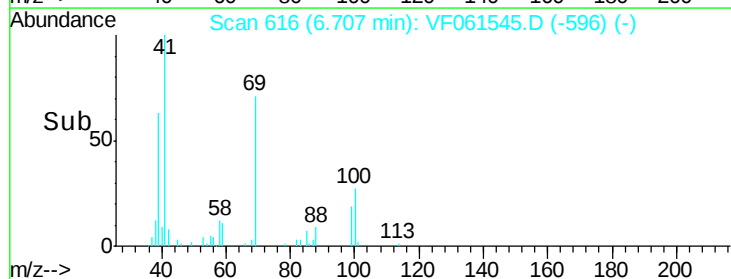
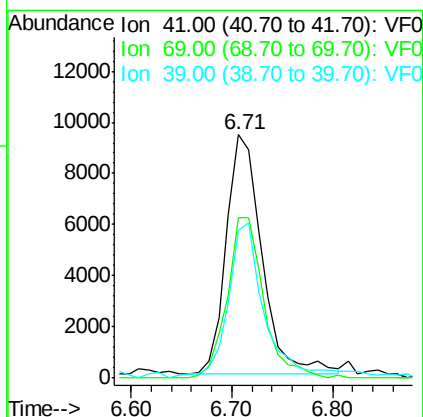
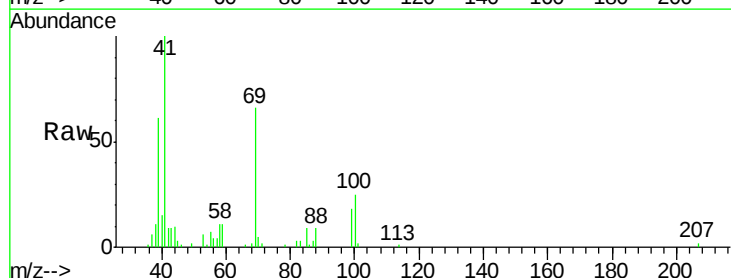
RT: 6.71 min Scan# 616

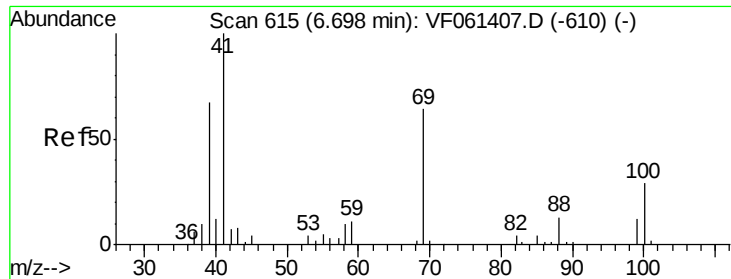
Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Tgt Ion:	41	Resp:	23090
Ion	Ratio	Lower	Upper
41	100		
69	66.1	51.7	77.5
39	60.7	49.2	73.8





#49

1,4-Dioxane

Concen: 342.498 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.00 min

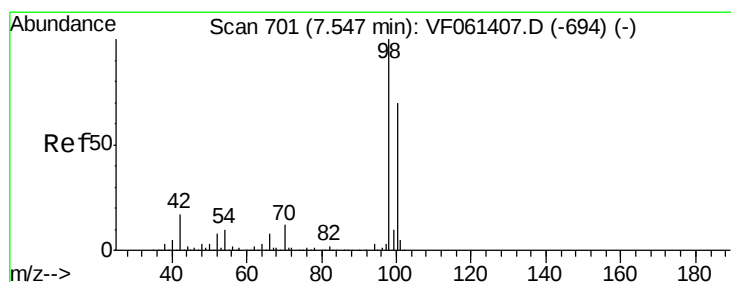
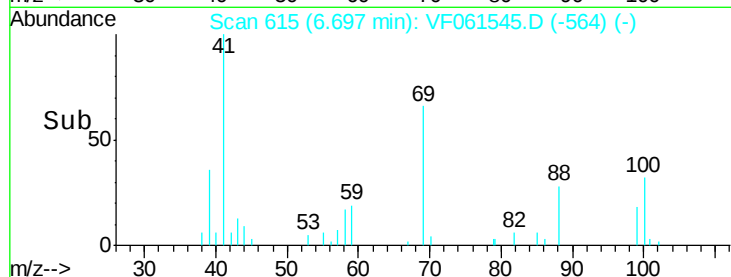
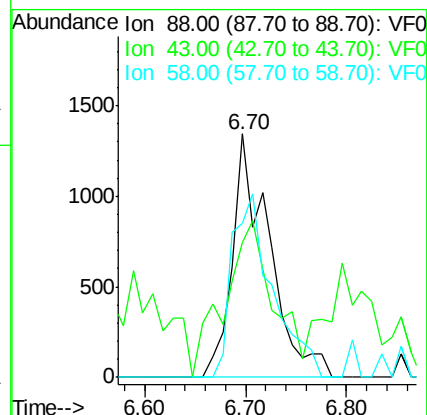
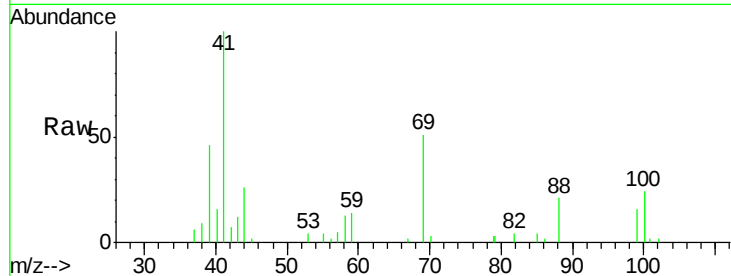
Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 3419

Ion	Ratio	Lower	Upper
88	100		
43	55.4	55.5	83.3#
58	63.1	59.9	89.9



#50

Toluene-d8

Concen: 39.109 ug/l

RT: 7.55 min Scan# 701

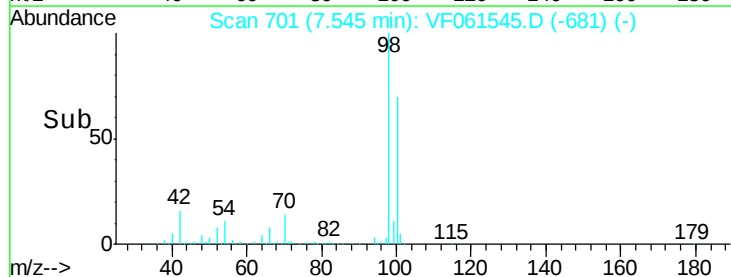
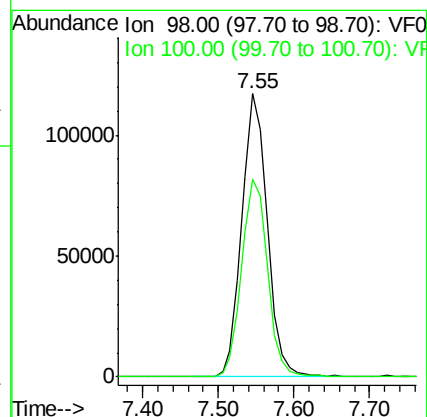
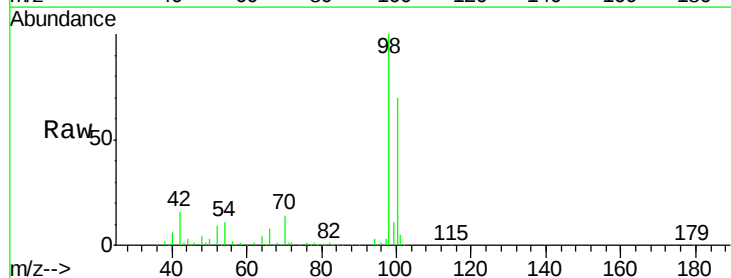
Delta R.T. -0.00 min

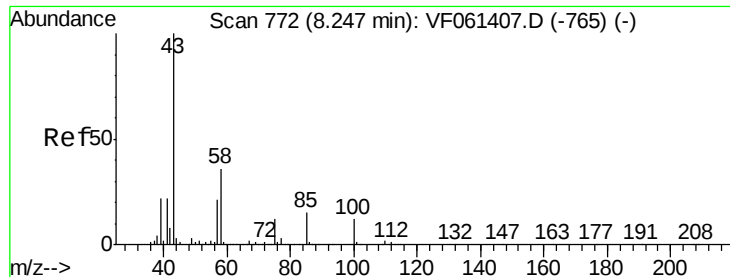
Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Tgt Ion: 98 Resp: 273162

Ion	Ratio	Lower	Upper
98	100		
100	69.8	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 95.139 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

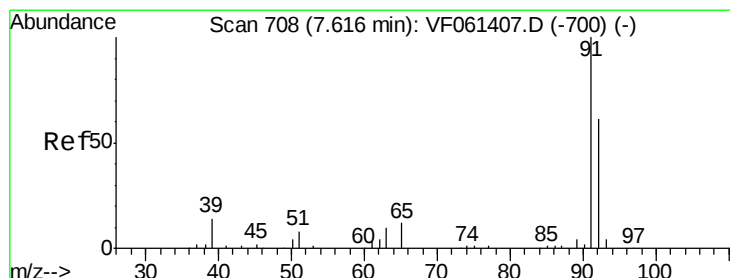
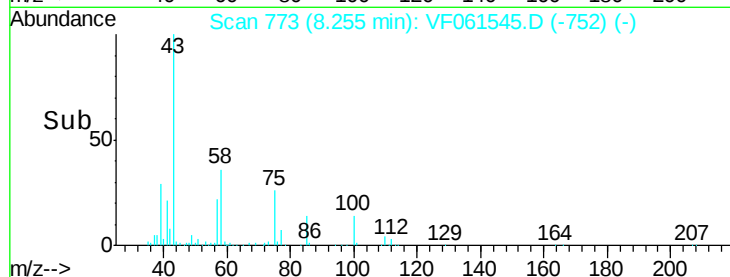
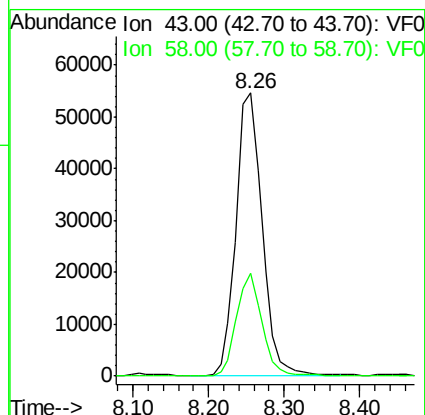
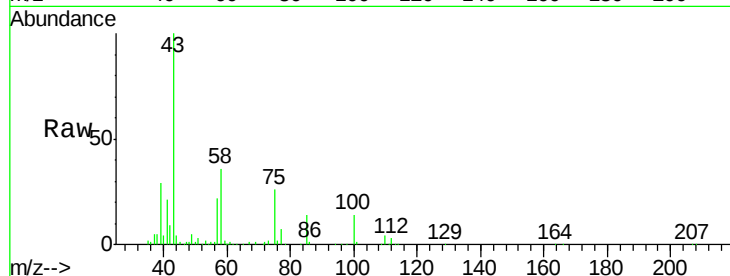
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 131440

Ion Ratio Lower Upper

43 100

58 36.3 28.8 43.2



#52

Toluene

Concen: 18.498 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.00 min

Lab File: VF061545.D

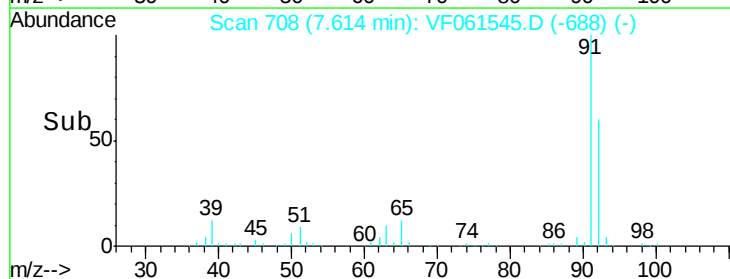
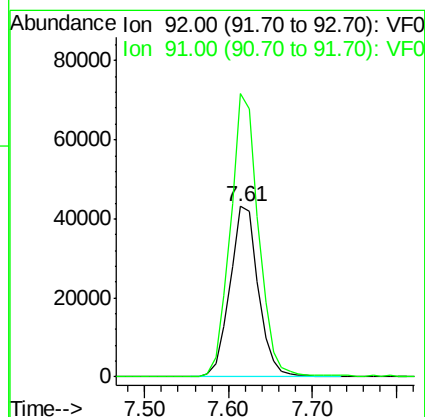
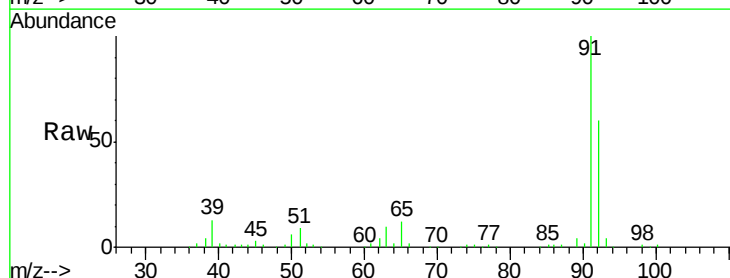
Acq: 7 Feb 2019 15:18

Tgt Ion: 92 Resp: 101536

Ion Ratio Lower Upper

92 100

91 166.2 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 20.430 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

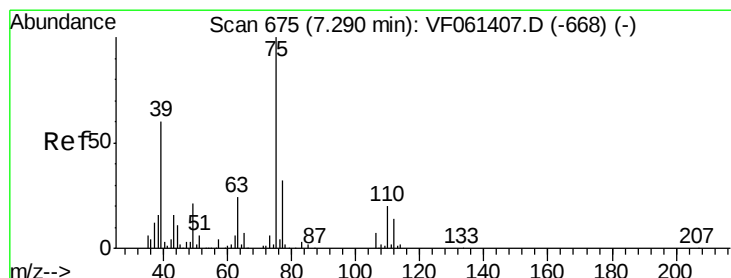
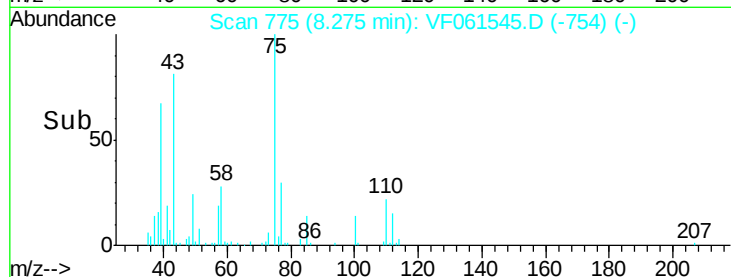
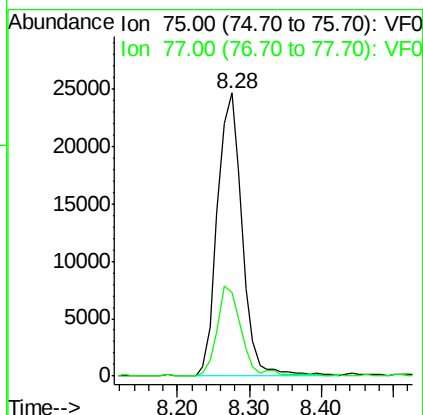
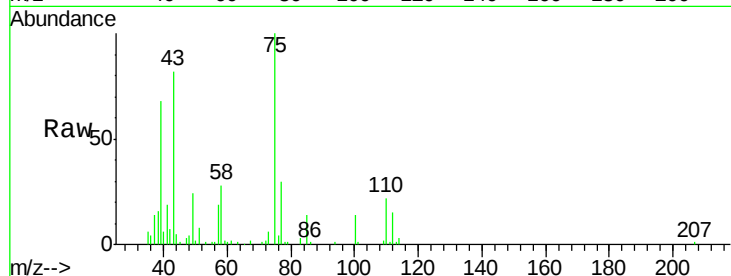
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 58384

Ion Ratio Lower Upper

75 100

77 29.7 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 19.911 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

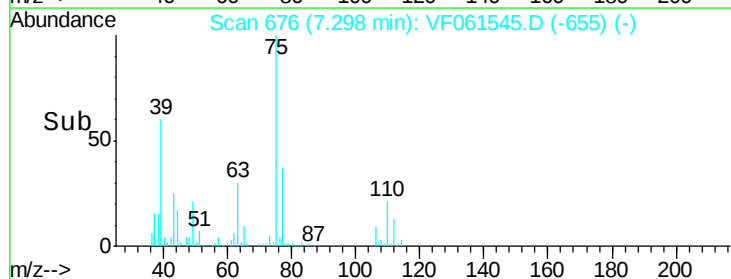
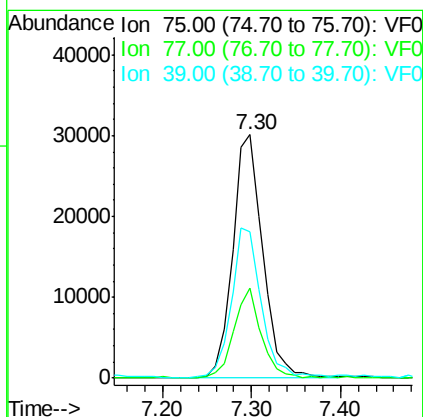
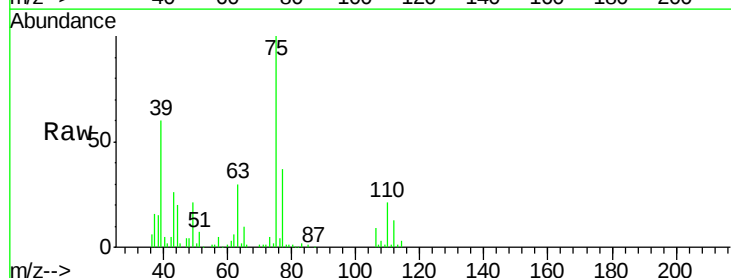
Tgt Ion: 75 Resp: 71125

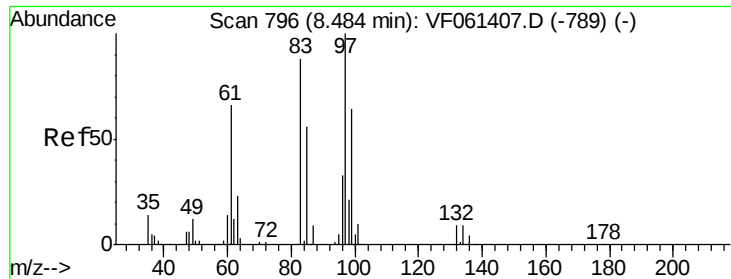
Ion Ratio Lower Upper

75 100

77 37.2 25.4 38.0

39 60.2 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 19.471 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 30350

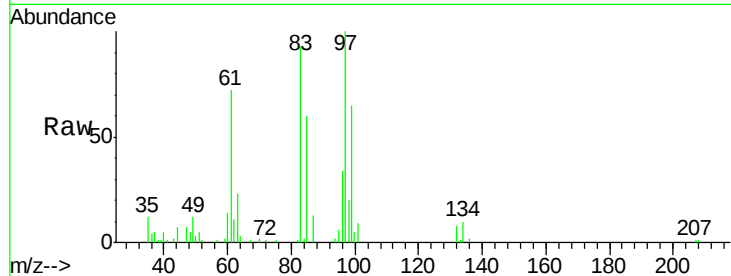
Ion	Ratio	Lower	Upper
97	100		
83	93.2	70.4	105.6
85	60.3	44.7	67.1
99	64.7	50.8	76.2

97 100

83 93.2 70.4 105.6

85 60.3 44.7 67.1

99 64.7 50.8 76.2

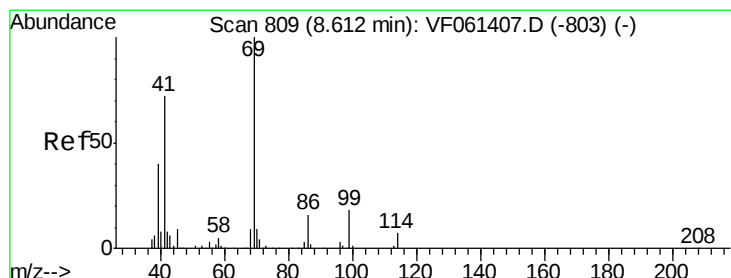
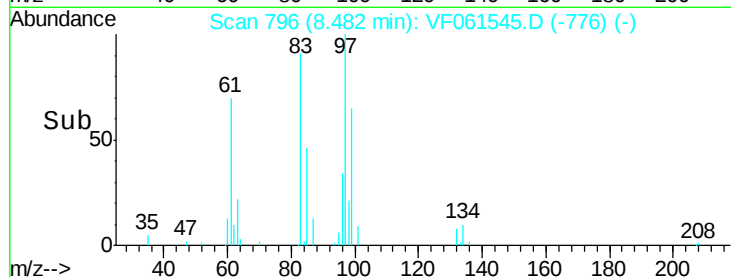
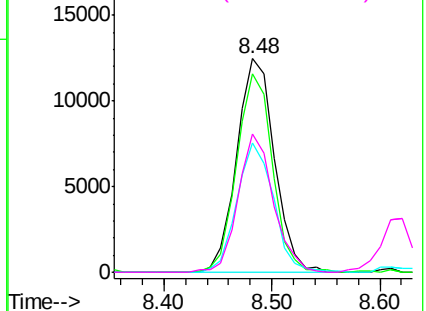


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 17.607 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

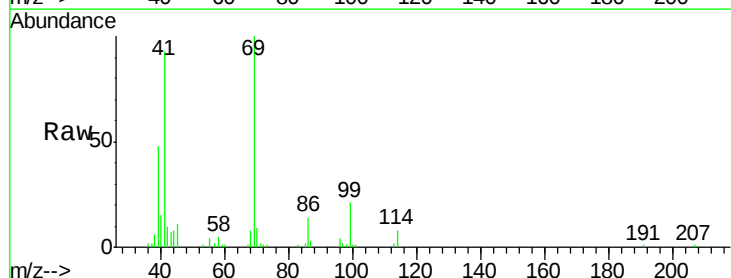
Tgt Ion: 69 Resp: 31930

Ion	Ratio	Lower	Upper
69	100		
41	93.2	57.5	86.3#
39	47.7	32.0	48.0

69 100

41 93.2 57.5 86.3#

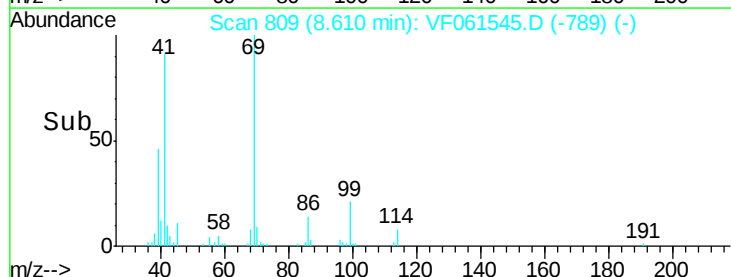
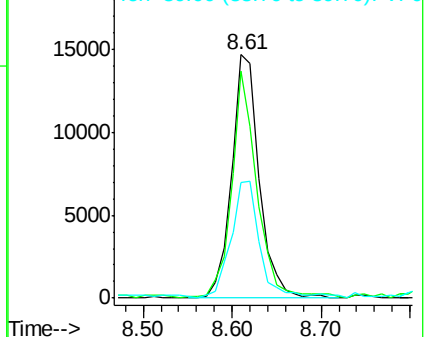
39 47.7 32.0 48.0

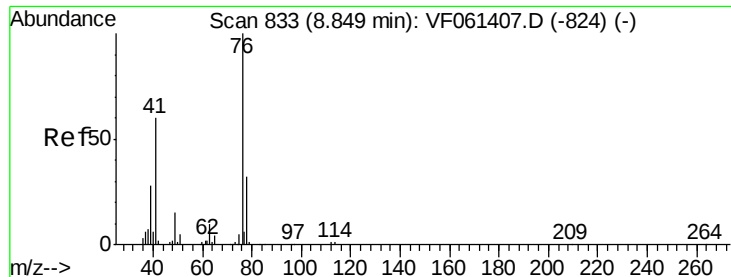


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 17.847 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

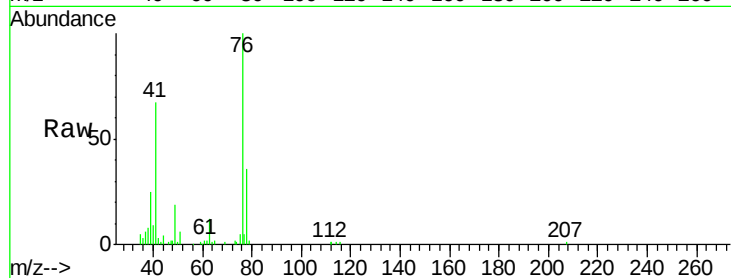
ClientSampleId :

Tot Ion: 76 Resp: 52141

Ion Ratio Lower Upper

76 100

78 35.9 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.85

25000

20000

15000

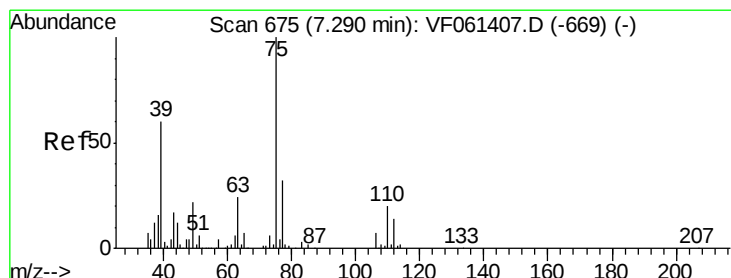
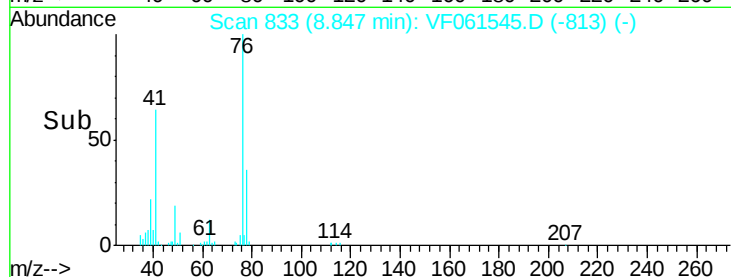
10000

5000

0

8.80 8.90 9.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 145.959 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061545.D

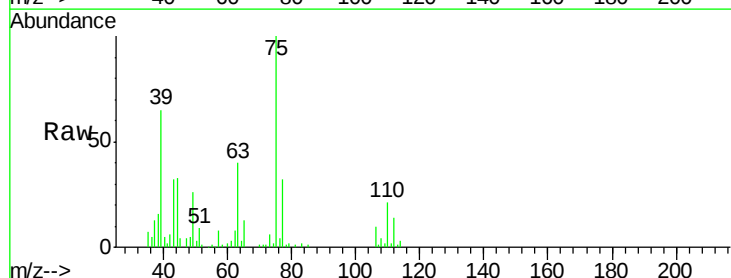
Acq: 7 Feb 2019 15:18

Tgt Ion: 63 Resp: 25309

Ion Ratio Lower Upper

63 100

106 26.1 21.9 32.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.29

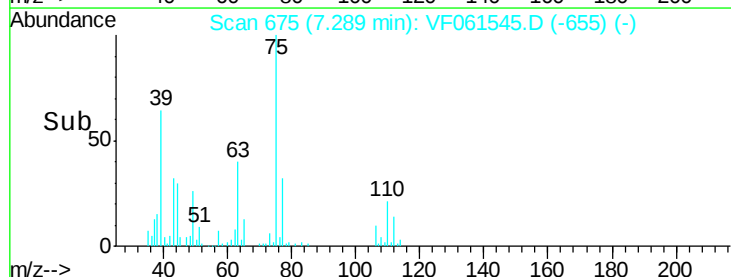
10000

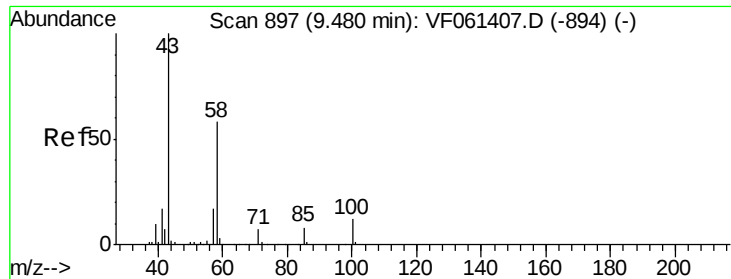
5000

0

7.20 7.30 7.40

Time-->

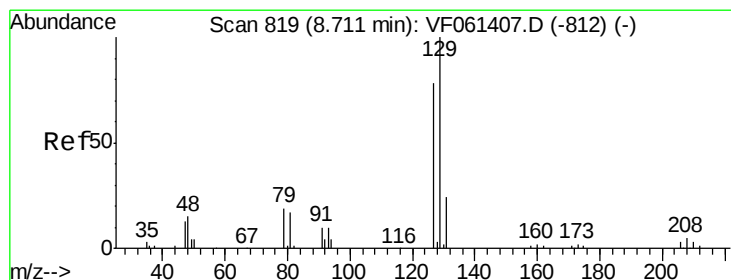
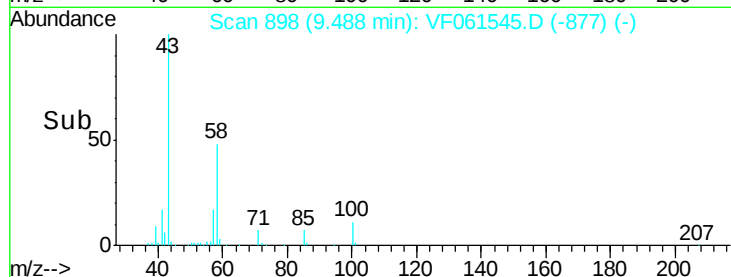
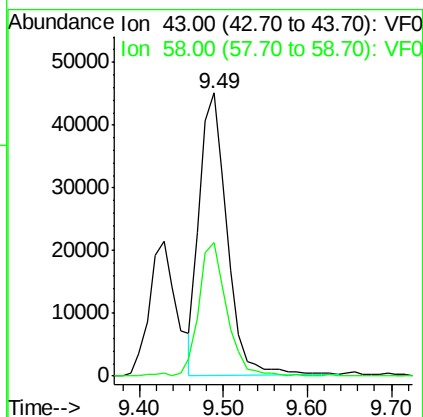
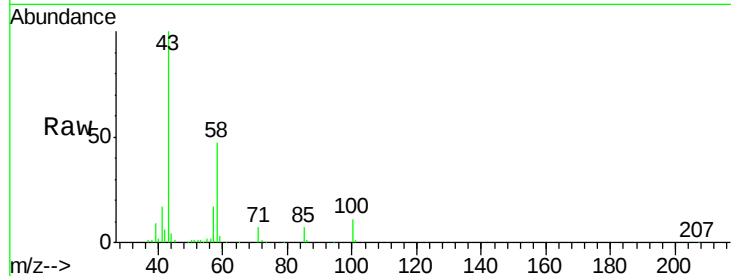




#59
2-Hexanone
Concen: 105.086 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.01 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

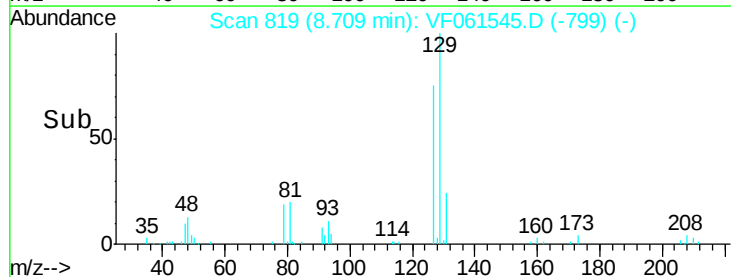
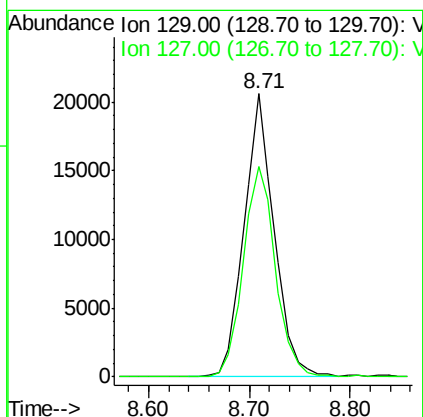
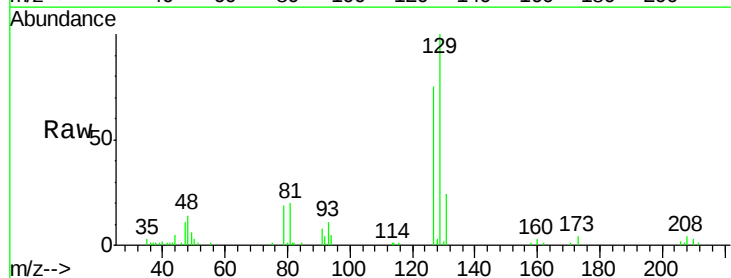
Instrument :
MSVOA_F
ClientSampleId :

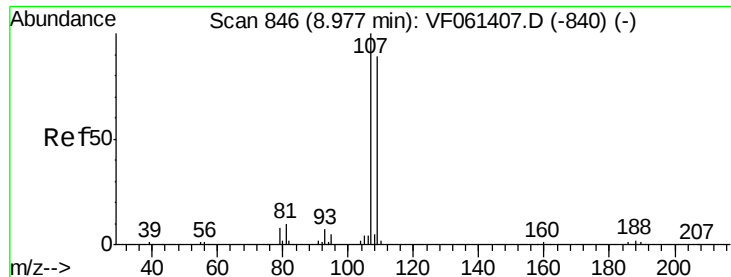
Tot Ion: 43 Resp: 101238
Ion Ratio Lower Upper
43 100
58 47.4 25.9 77.6



#60
Dibromochloromethane
Concen: 18.707 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Tgt Ion:129 Resp: 42628
Ion Ratio Lower Upper
129 100
127 74.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.530 ug/l

RT: 8.99 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

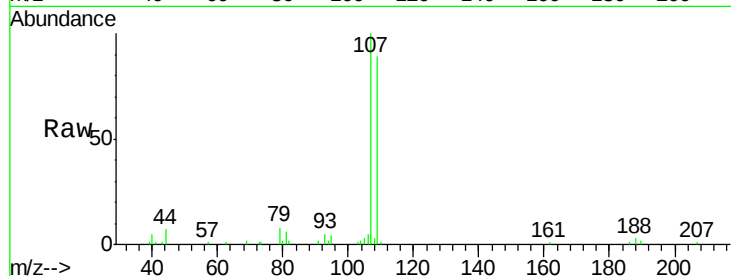
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 33065

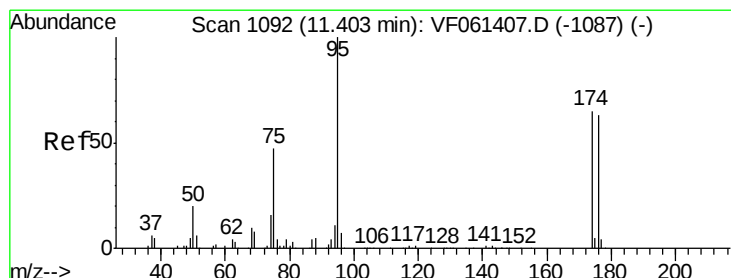
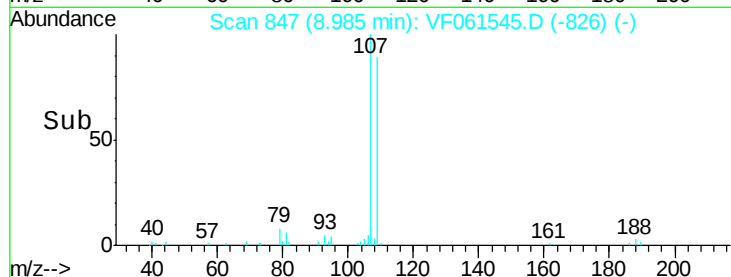
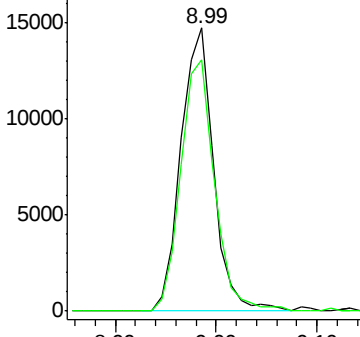
Ion Ratio Lower Upper

107 100

109 88.7 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 39.949 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

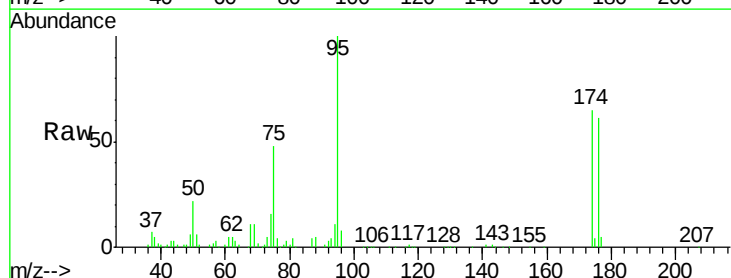
Tgt Ion: 95 Resp: 130372

Ion Ratio Lower Upper

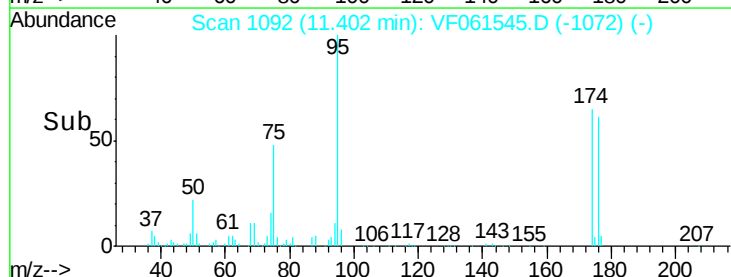
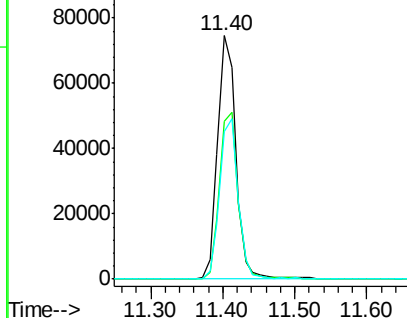
95 100

174 64.6 0.0 130.4

176 60.6 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

ClientSampleId :

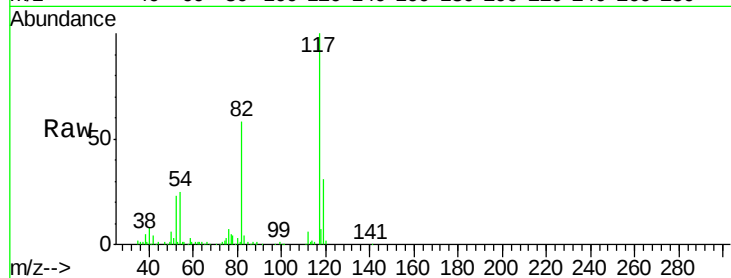
Tot Ion:117 Resp: 289137

Ion Ratio Lower Upper

117 100

82 58.5 46.4 69.6

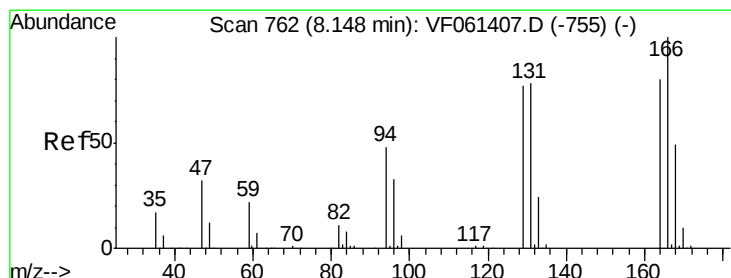
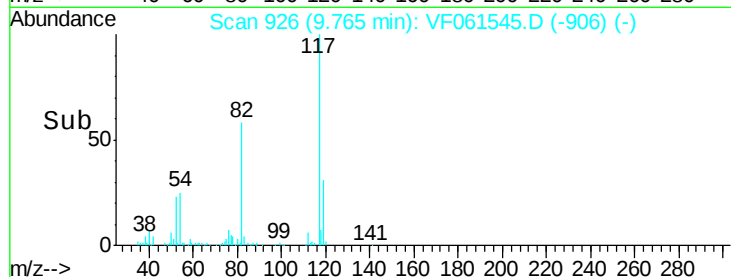
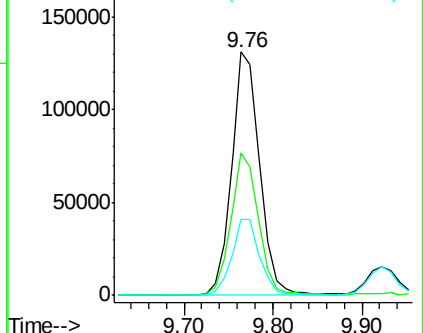
119 31.0 27.2 40.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 19.216 ug/l

RT: 8.15 min Scan# 762

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Tgt Ion:164 Resp: 41783

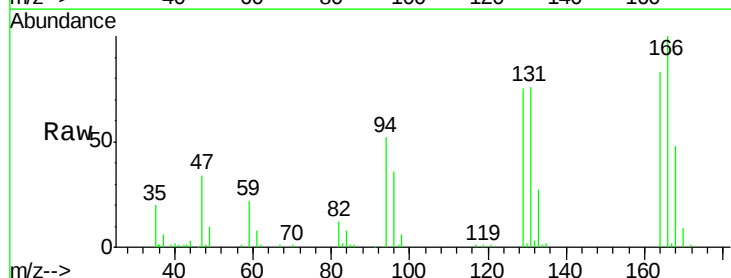
Ion Ratio Lower Upper

164 100

166 120.1 99.6 149.4

129 90.5 76.4 114.6

131 91.7 77.9 116.9

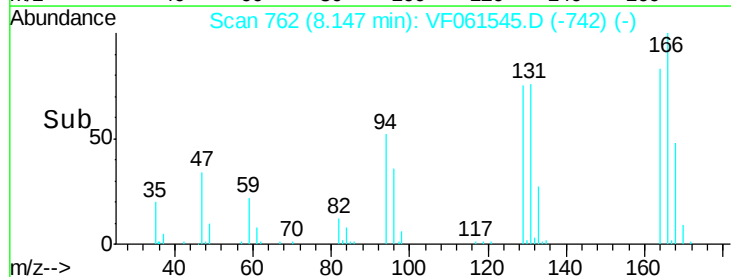
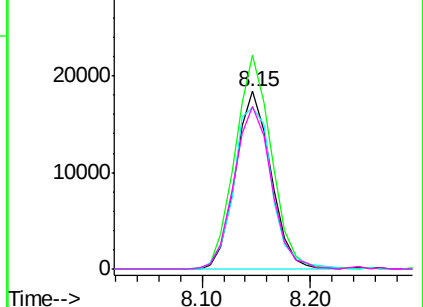


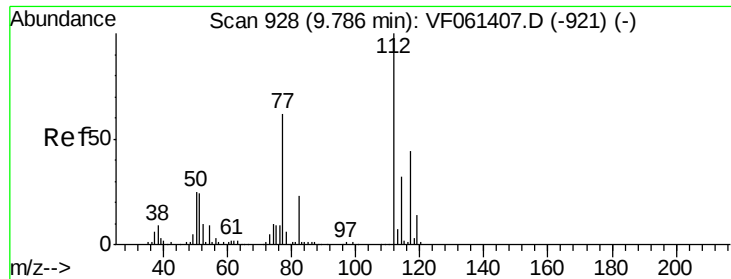
Abundance Ion 163.85 (163.55 to 164.55): V

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

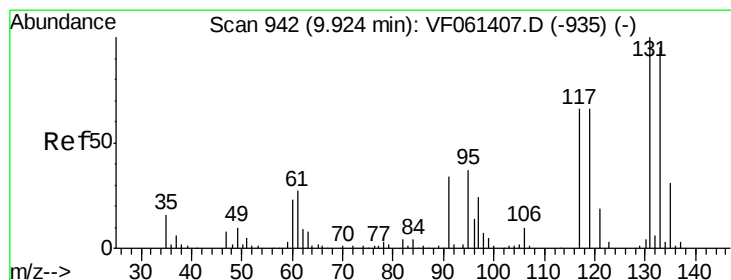
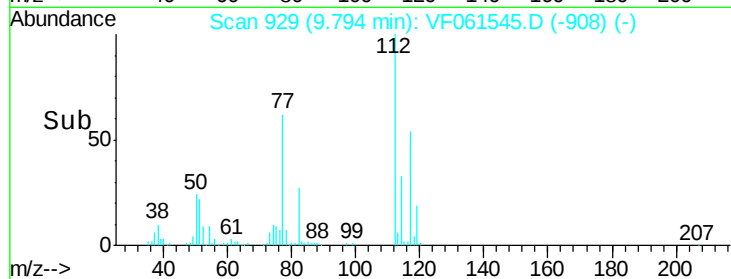
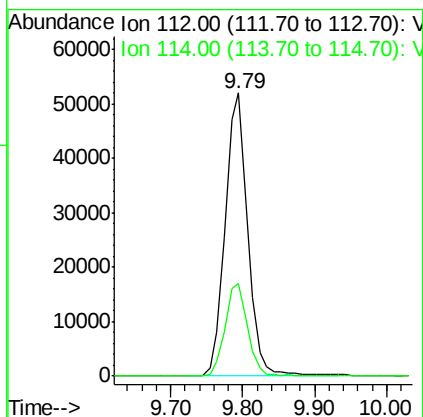
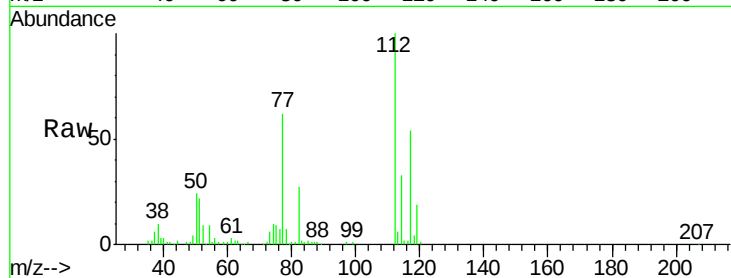




#65
Chlorobenzene
Concen: 19.214 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

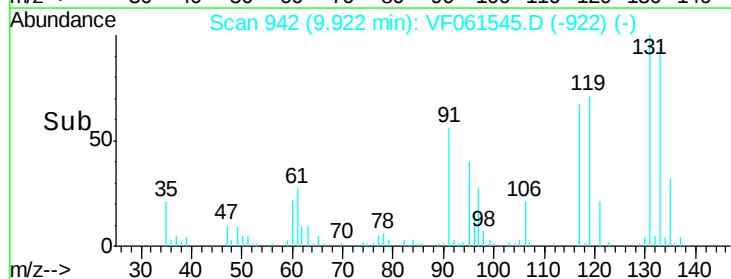
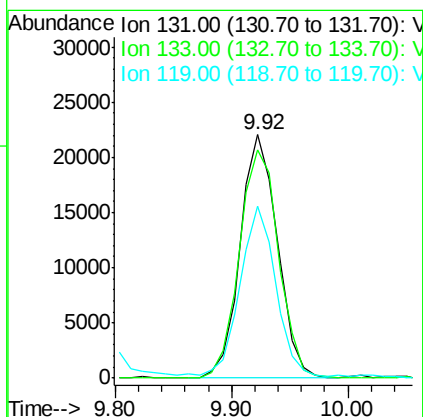
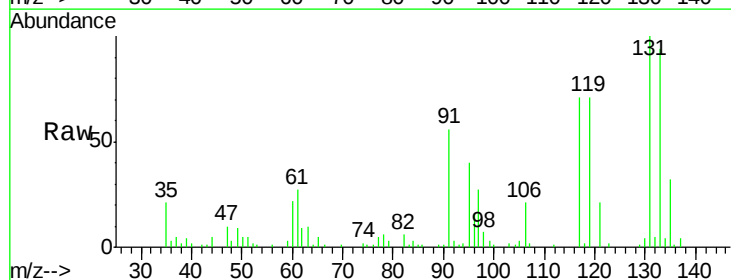
Instrument :
MSVOA_F
ClientSampleId :

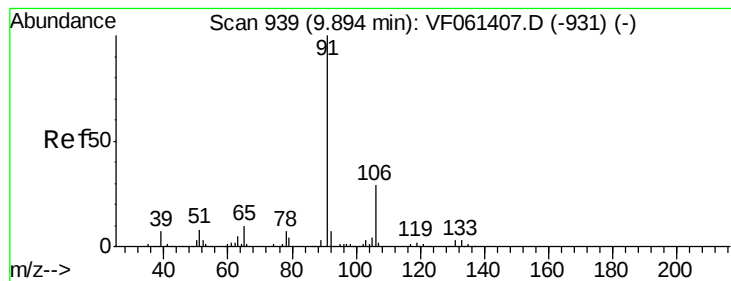
Tot Ion:112 Resp: 112972
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.809 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Tgt Ion:131 Resp: 48740
Ion Ratio Lower Upper
131 100
133 93.9 47.4 142.2
119 70.7 33.1 99.3





#67

Ethyl Benzene

Concen: 20.407 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

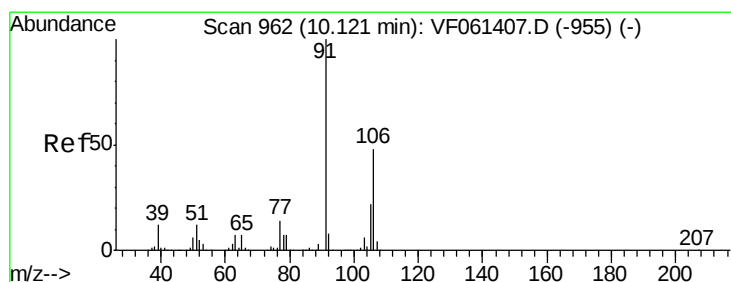
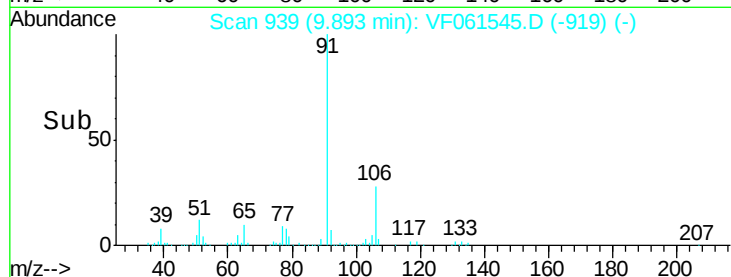
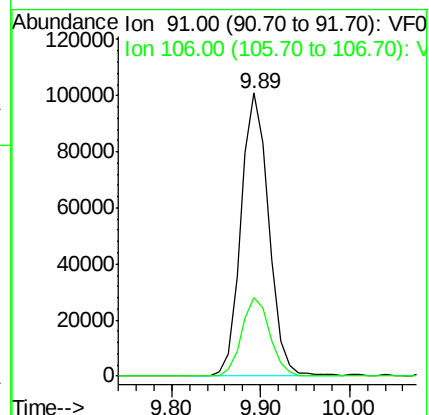
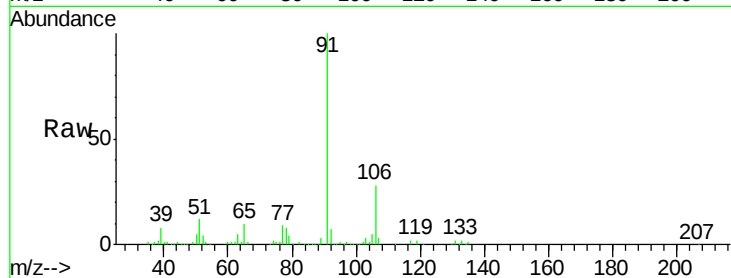
ClientSampleId :

Tot Ion: 91 Resp: 219227

Ion Ratio Lower Upper

91 100

106 27.7 23.1 34.7



#68

m/p-Xylenes

Concen: 37.485 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.00 min

Lab File: VF061545.D

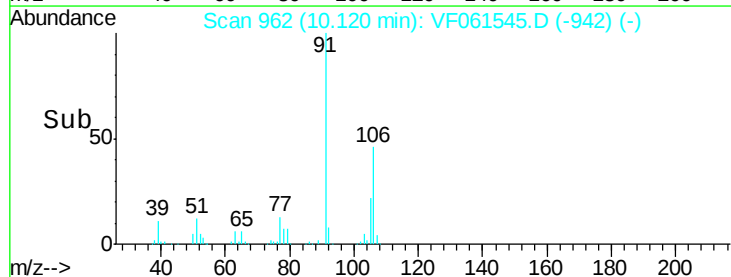
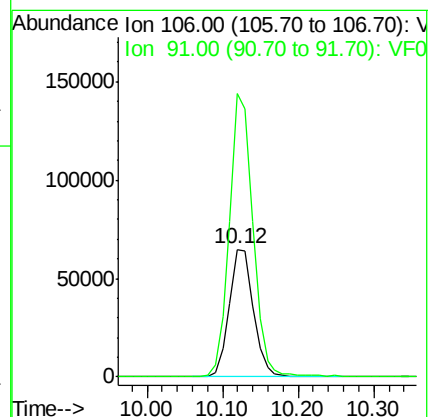
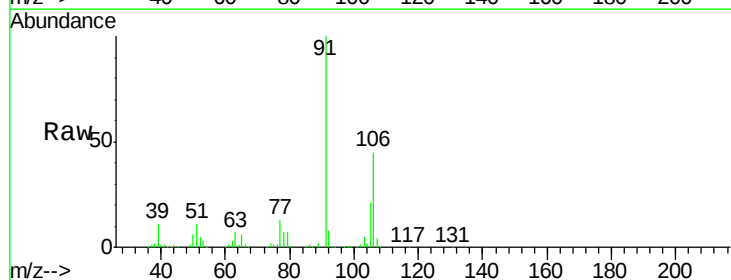
Acq: 7 Feb 2019 15:18

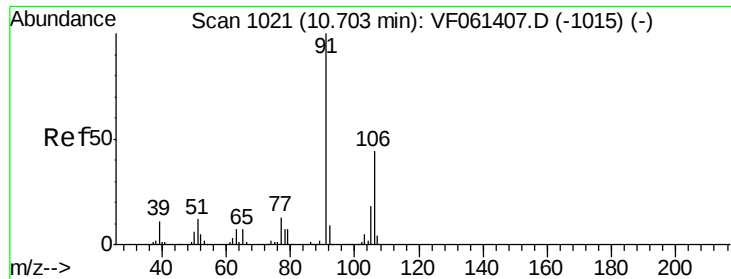
Tgt Ion: 106 Resp: 144835

Ion Ratio Lower Upper

106 100

91 221.8 166.2 249.4

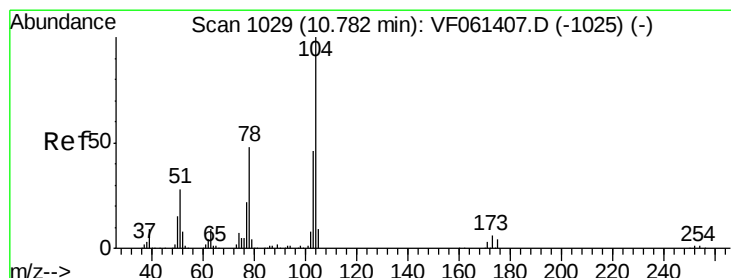
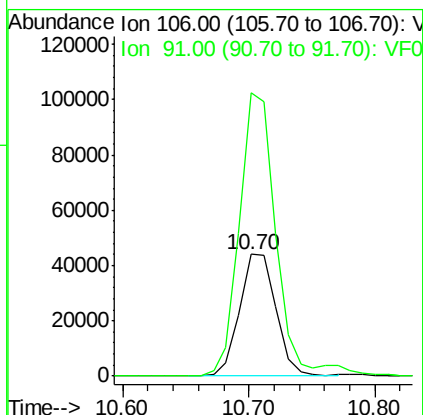
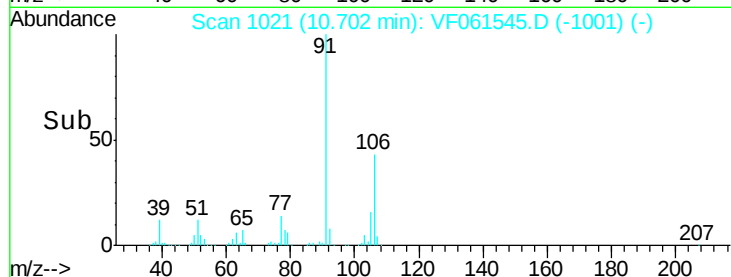
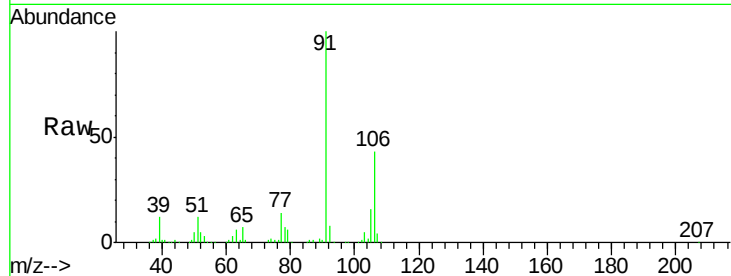




#69
o-Xylene
Concen: 21.225 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

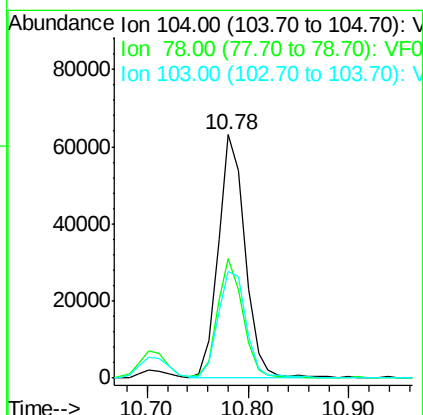
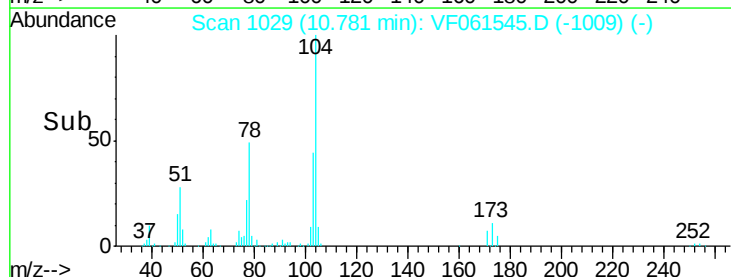
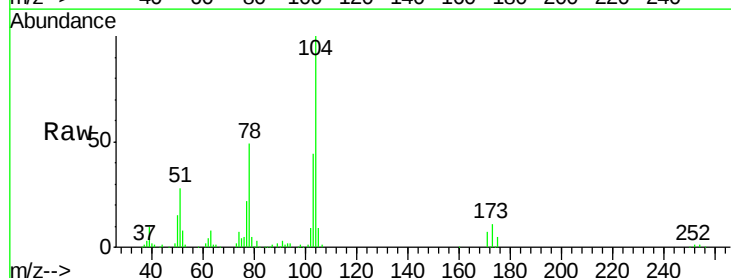
Instrument :
MSVOA_F
ClientSampled :

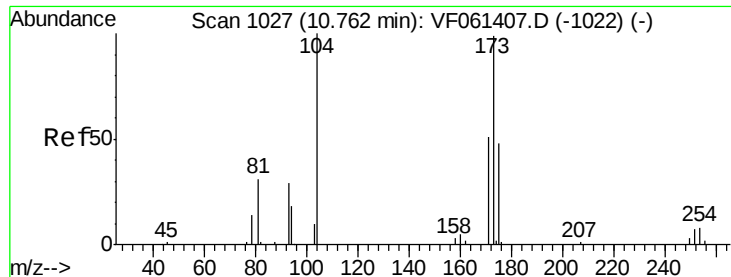
Tot Ion:106 Resp: 88883
Ion Ratio Lower Upper
106 100
91 232.5 113.3 339.8



#70
Styrene
Concen: 20.525 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Tgt Ion:104 Resp: 117654
Ion Ratio Lower Upper
104 100
78 49.0 38.8 58.2
103 43.9 37.0 55.6

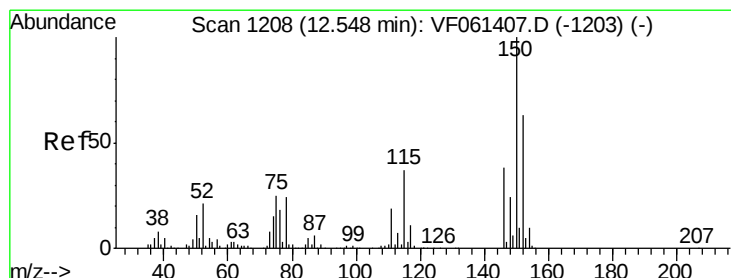
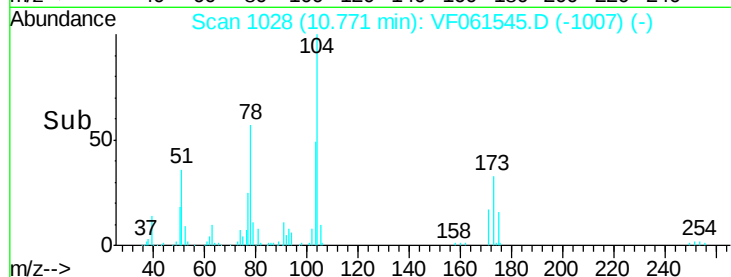
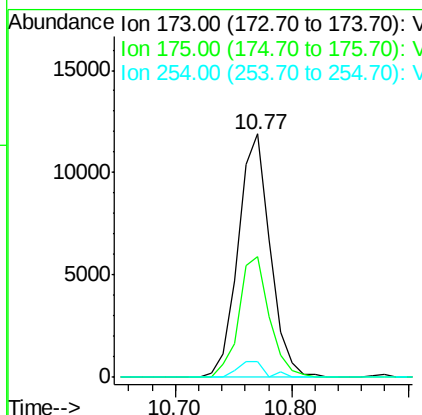
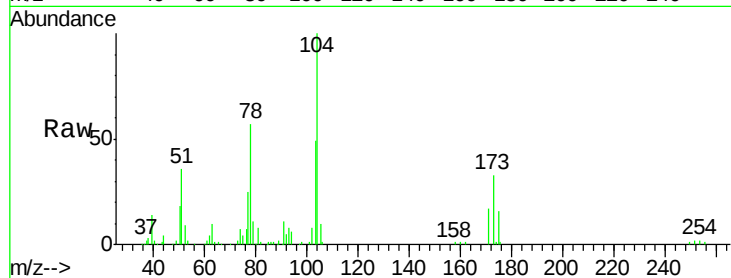




#71
Bromoform
Concen: 21.535 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

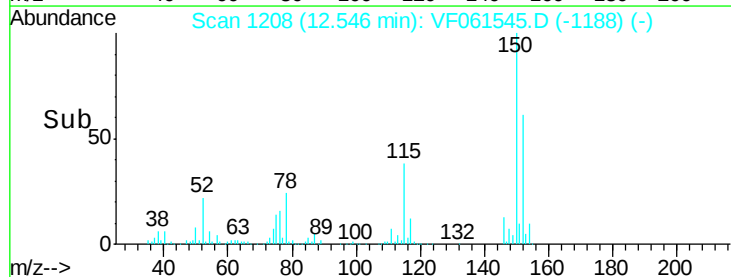
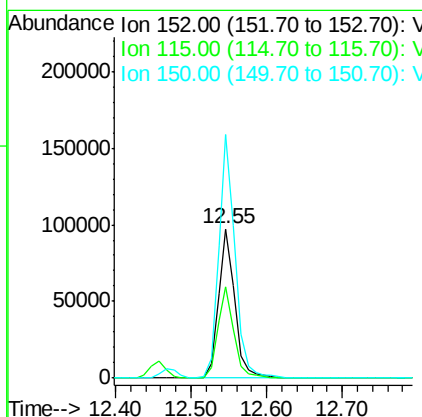
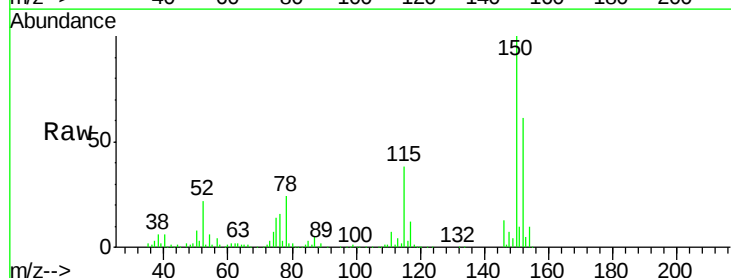
Instrument :
MSVOA_F
ClientSampleId :

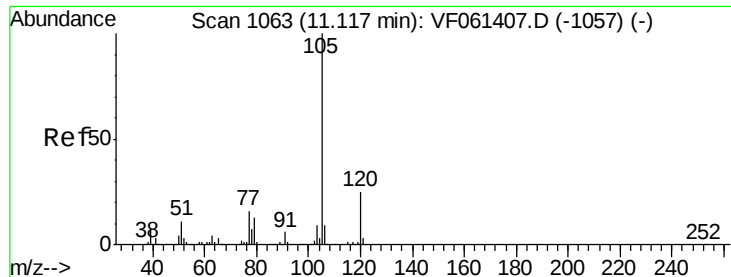
Tot Ion:173 Resp: 22664
Ion Ratio Lower Upper
173 100
175 51.0 24.1 72.4
254 6.4 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Tgt Ion:152 Resp: 147485
Ion Ratio Lower Upper
152 100
115 61.4 30.0 90.0
150 163.0 0.0 321.4





#73

Isopropylbenzene

Concen: 21.564 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

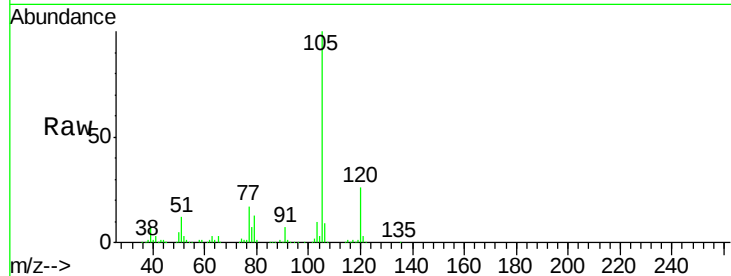
ClientSampleId :

Tot Ion:105 Resp: 258668

Ion Ratio Lower Upper

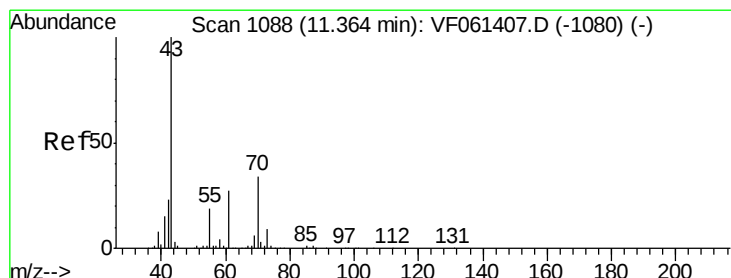
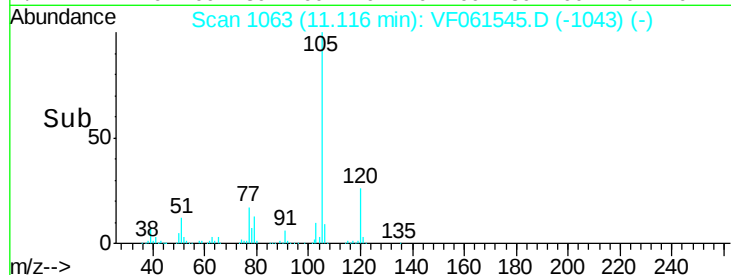
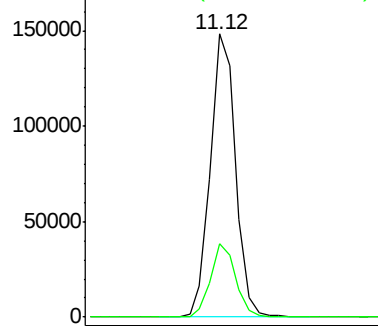
105 100

120 25.8 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.155 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Tgt Ion: 43 Resp: 65677

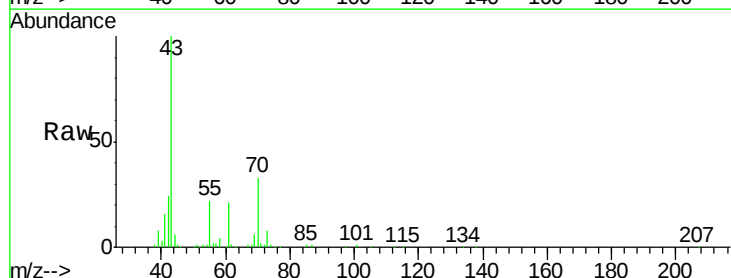
Ion Ratio Lower Upper

43 100

70 33.2 27.6 41.4

55 21.6 15.4 23.2

61 20.7 21.8 32.6#

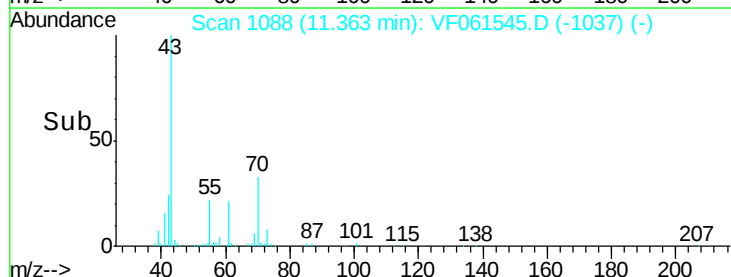
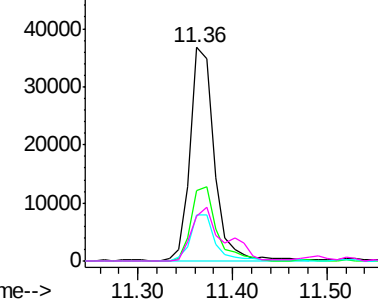


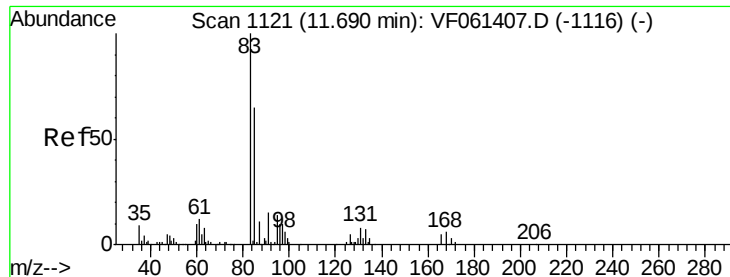
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.515 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

ClientSampleId :

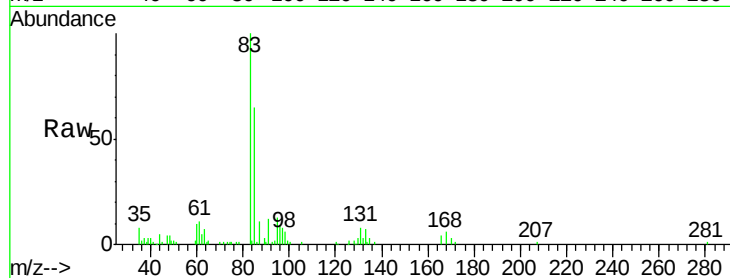
Tot Ion: 83 Resp: 43838

Ion Ratio Lower Upper

83 100

131 8.4 4.0 12.2

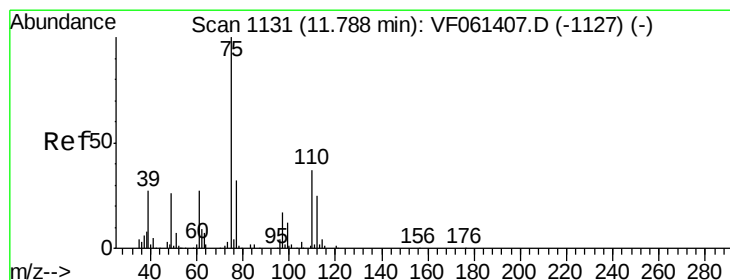
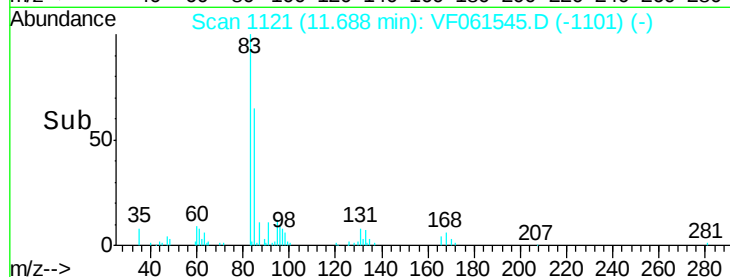
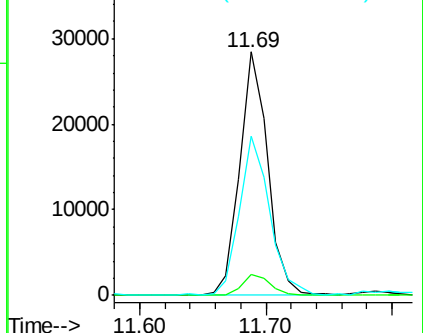
85 65.1 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 18.929 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF061545.D

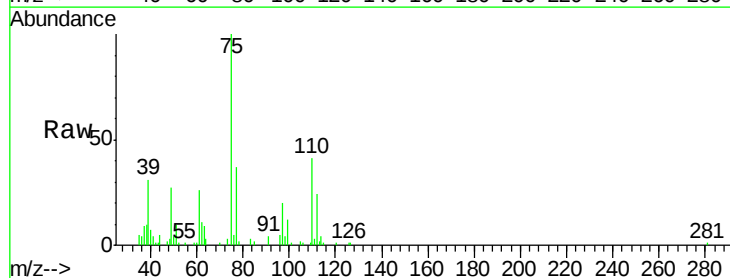
Acq: 7 Feb 2019 15:18

Tgt Ion: 75 Resp: 29065

Ion Ratio Lower Upper

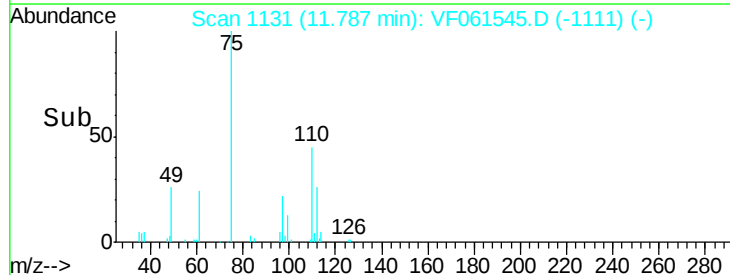
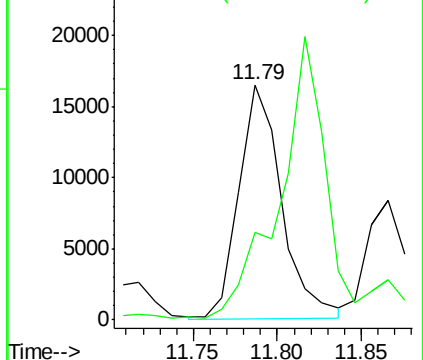
75 100

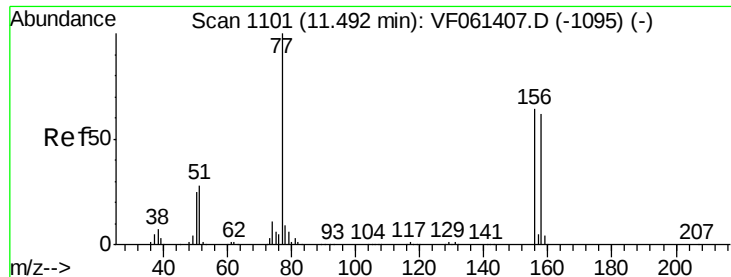
77 37.2 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.207 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

ClientSampleId :

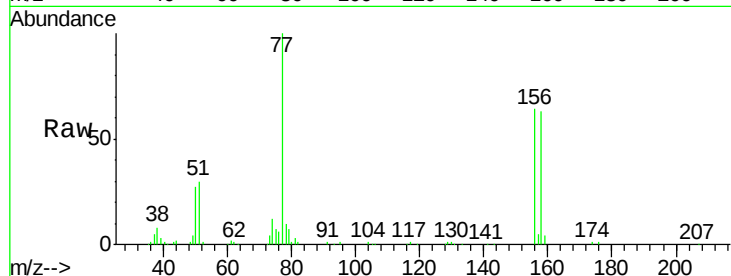
Tot Ion:156 Resp: 51189

Ion Ratio Lower Upper

156 100

77 157.0 78.3 234.9

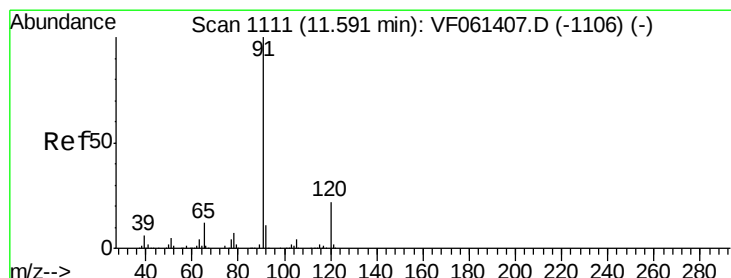
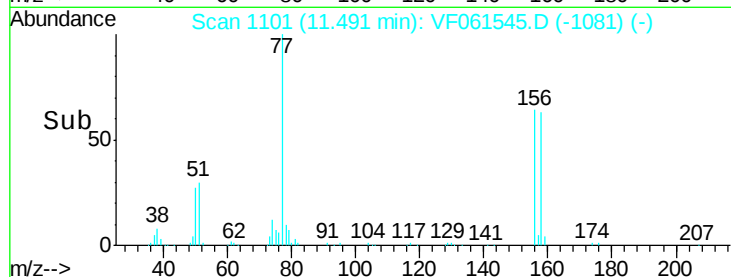
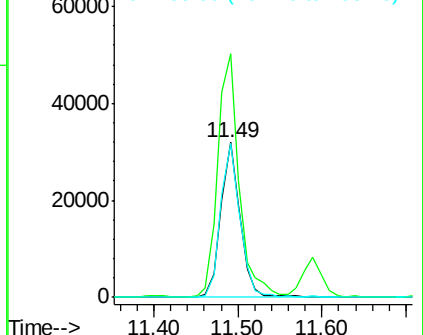
158 99.3 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 19.606 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061545.D

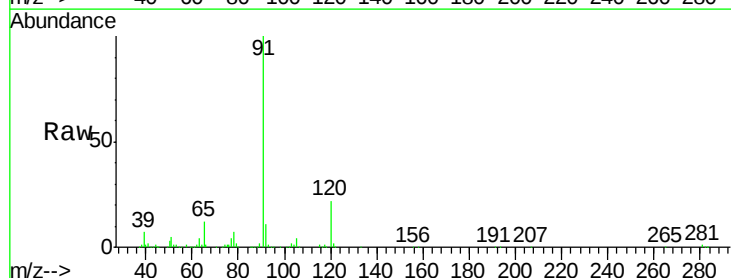
Acq: 7 Feb 2019 15:18

Tgt Ion: 91 Resp: 306660

Ion Ratio Lower Upper

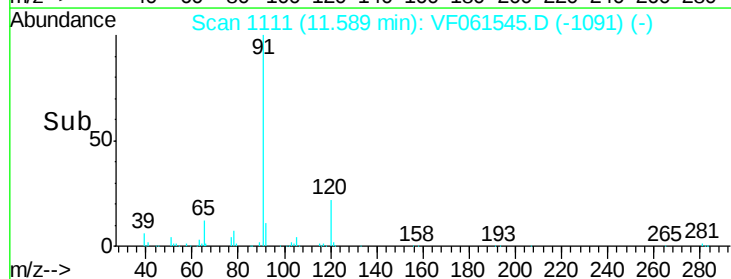
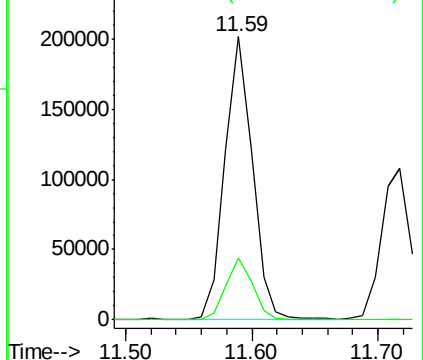
91 100

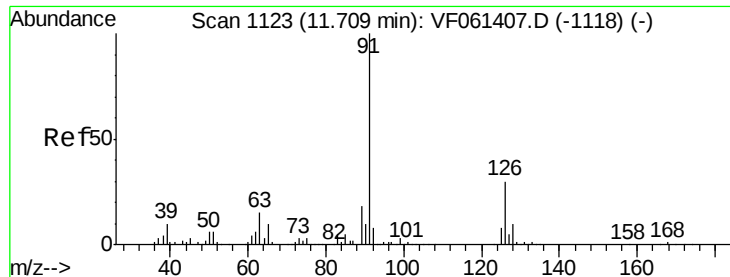
120 21.7 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.887 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

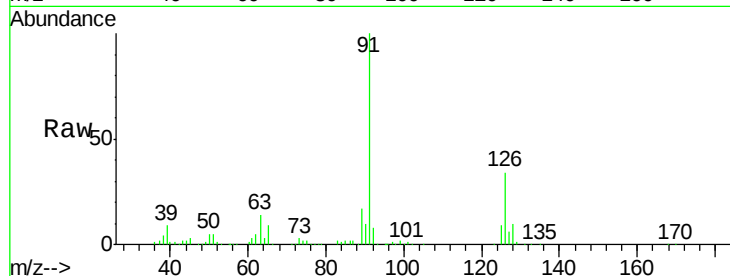
ClientSampleId :

Tot Ion: 91 Resp: 173835

Ion Ratio Lower Upper

91 100

126 33.7 15.0 45.1

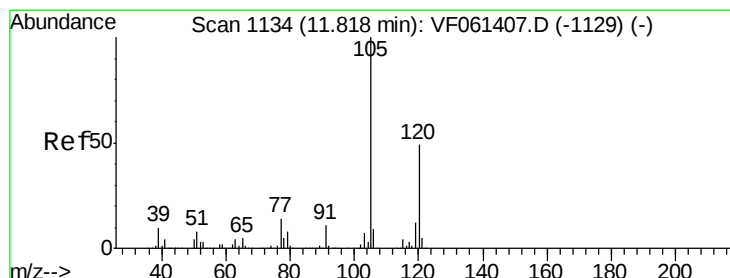
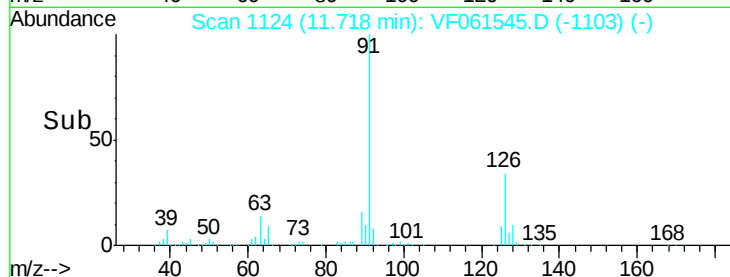
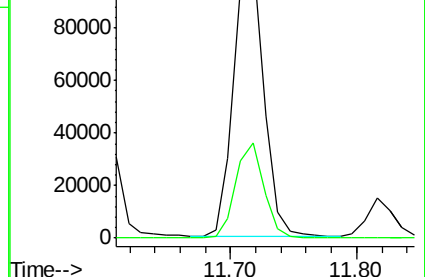


Abundance Ion 91.00 (90.70 to 91.70): VF061407.D (-1118) (-)

Ion 126.00 (125.70 to 126.70): VF061407.D (-1118) (-)

11.72

11.80



#80

1,3,5-Trimethylbenzene

Concen: 20.569 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VF061545.D

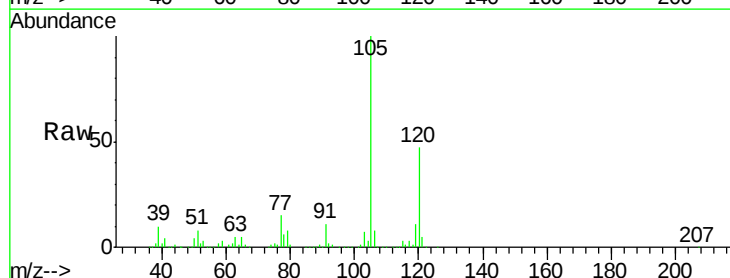
Acq: 7 Feb 2019 15:18

Tgt Ion: 105 Resp: 199110

Ion Ratio Lower Upper

105 100

120 47.2 24.7 74.1

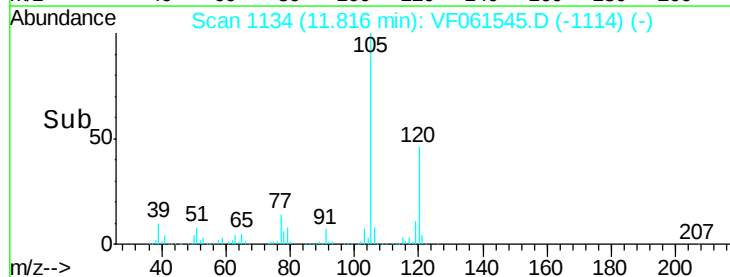
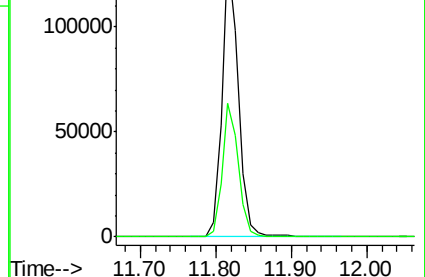


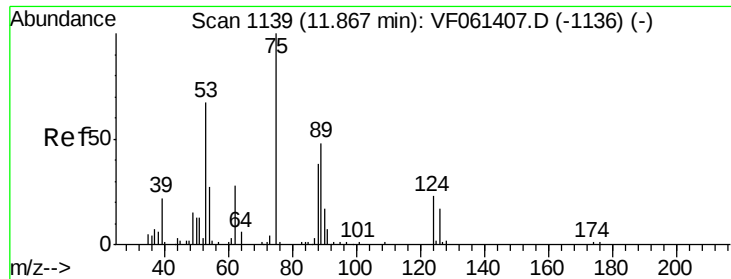
Abundance Ion 105.00 (104.70 to 105.70): VF061407.D (-1129) (-)

Ion 120.00 (119.70 to 120.70): VF061407.D (-1129) (-)

11.82

11.90

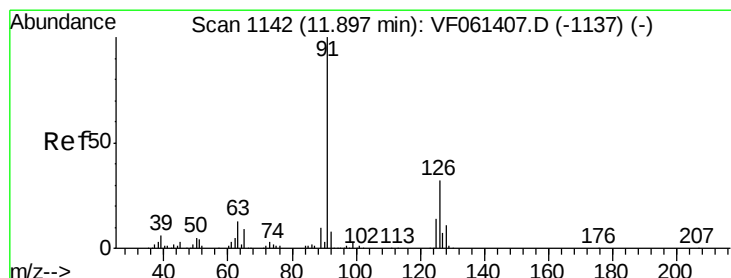
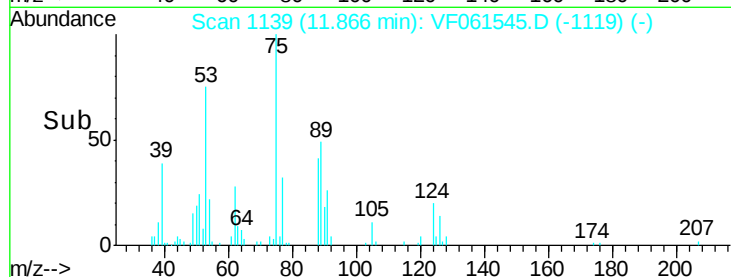
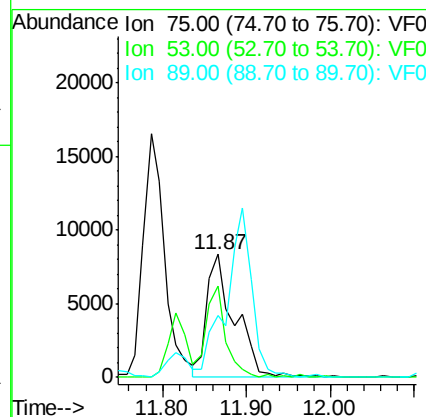
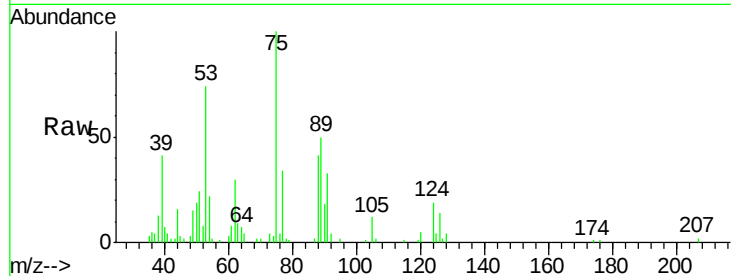




#81
trans-1,4-Dichloro-2-butene
Concen: 28.985 ug/l
RT: 11.87 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

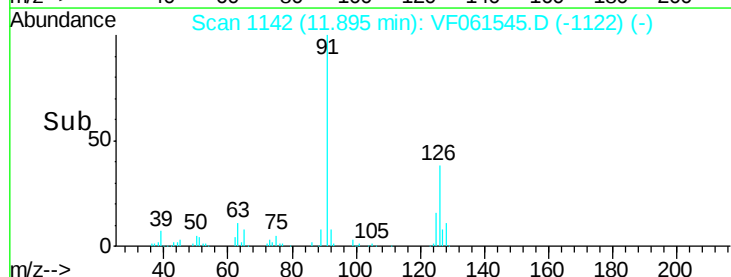
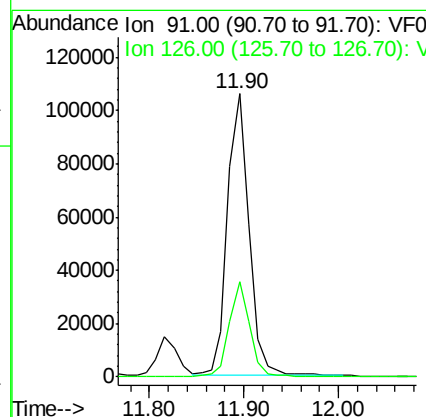
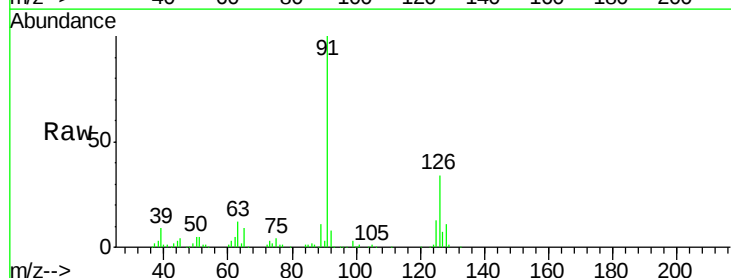
Instrument :
MSVOA_F
ClientSampled :

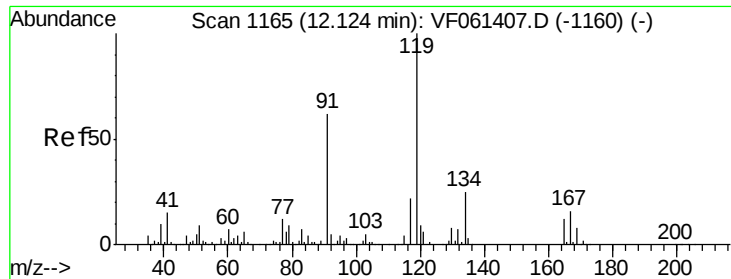
Tot Ion: 75 Resp: 19347
Ion Ratio Lower Upper
75 100
53 73.9 57.8 86.6
89 50.2 40.7 61.1



#82
4-Chlorotoluene
Concen: 19.966 ug/l
RT: 11.90 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Tgt Ion: 91 Resp: 167687
Ion Ratio Lower Upper
91 100
126 33.7 16.0 47.9

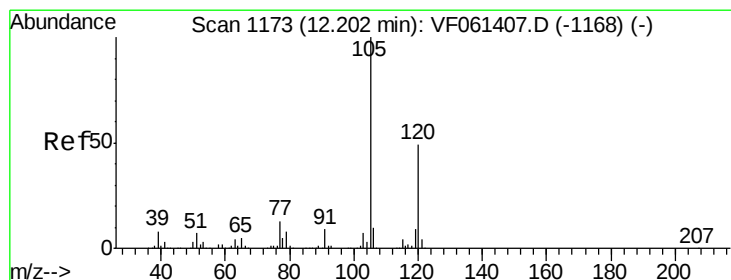
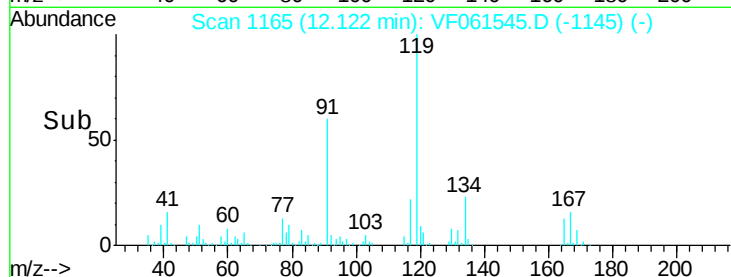
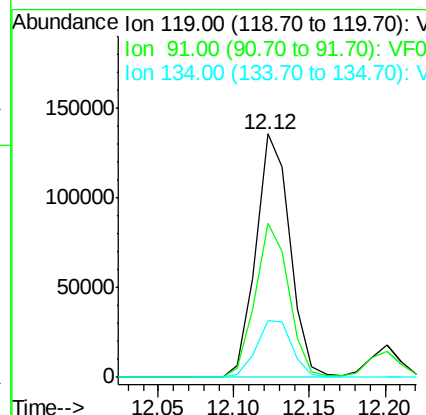
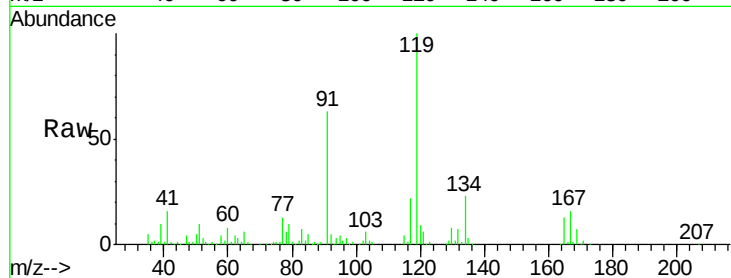




#83
 tert-Butylbenzene
 Concen: 21.418 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VF061545.D
 Acq: 7 Feb 2019 15:18

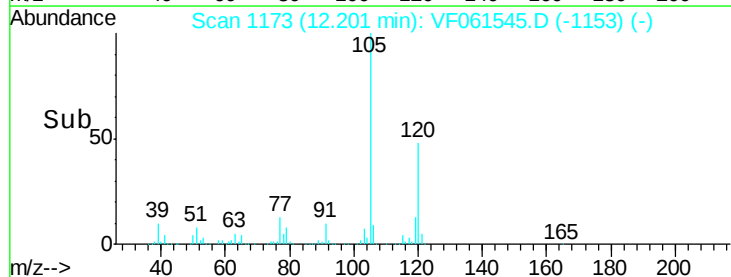
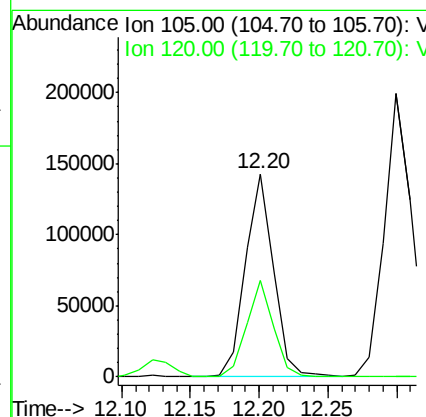
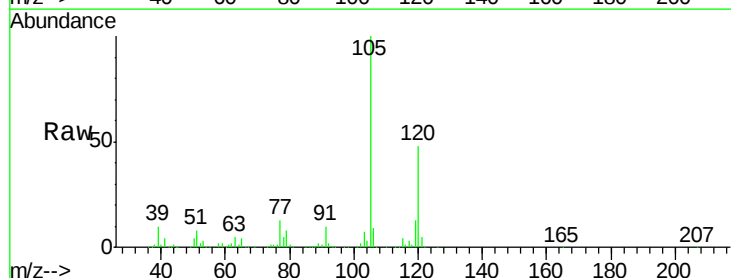
Instrument :
 MSVOA_F
 ClientSampleId :

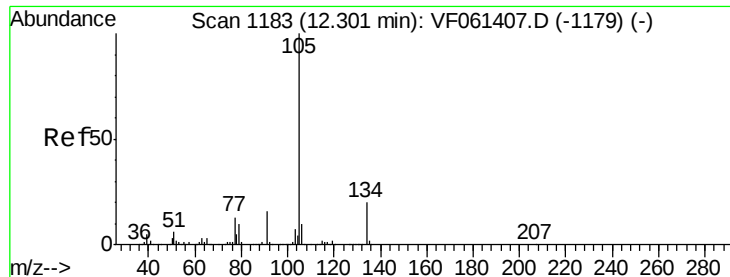
Tot Ion:119 Resp: 214599
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.3 93.8
 134 23.5 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.390 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061545.D
 Acq: 7 Feb 2019 15:18

Tgt Ion:105 Resp: 203309
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.9 74.6





#85

sec-Butylbenzene

Concen: 20.593 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

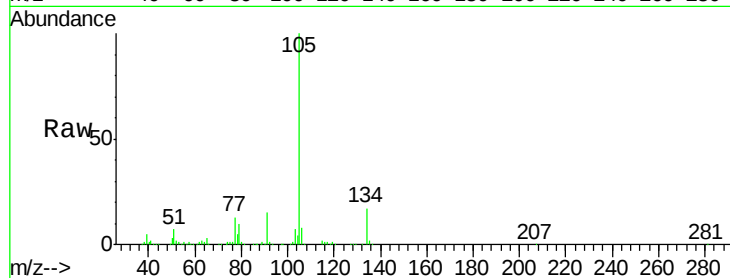
ClientSampleId :

Tot Ion:105 Resp: 280193

Ion Ratio Lower Upper

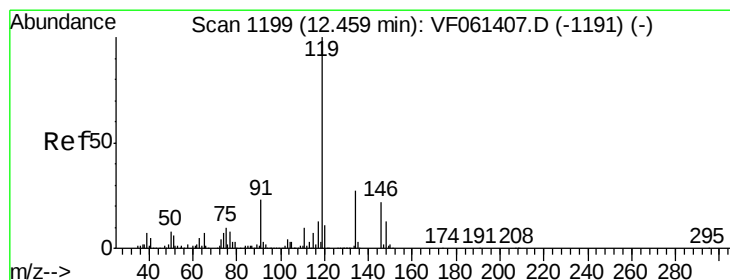
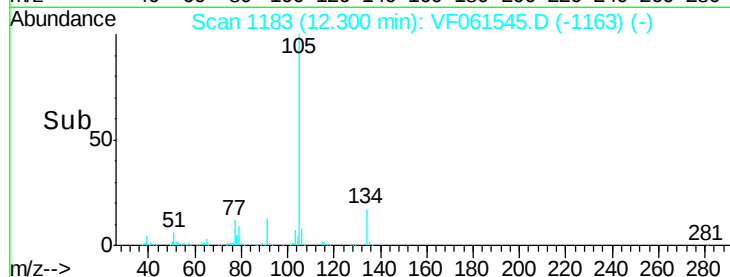
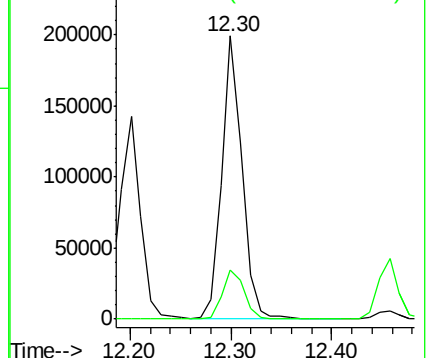
105 100

134 17.4 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.230 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

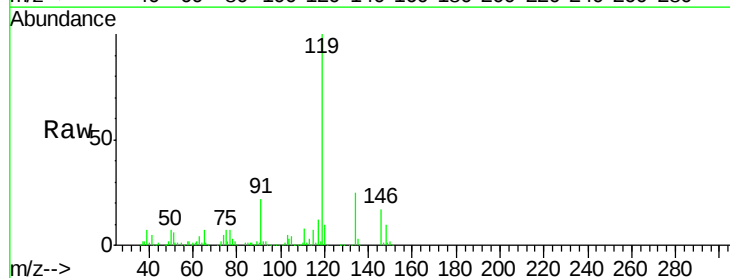
Tgt Ion:119 Resp: 237124

Ion Ratio Lower Upper

119 100

134 24.9 13.4 40.2

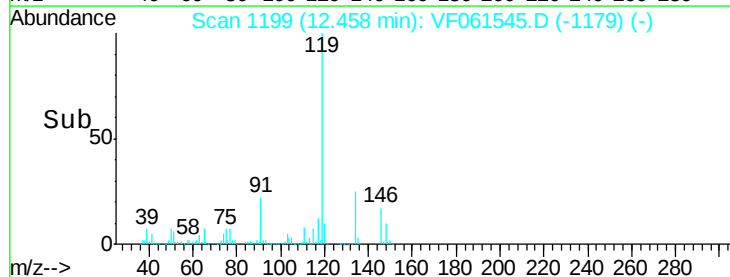
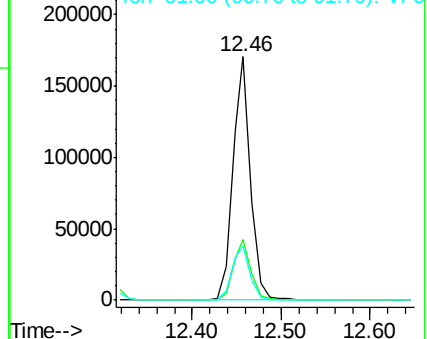
91 22.2 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 19.384 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

ClientSampled :

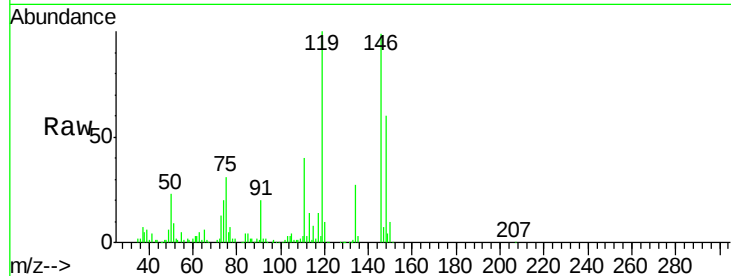
Tot Ion:146 Resp: 103246

Ion Ratio Lower Upper

146 100

111 40.7 21.1 63.4

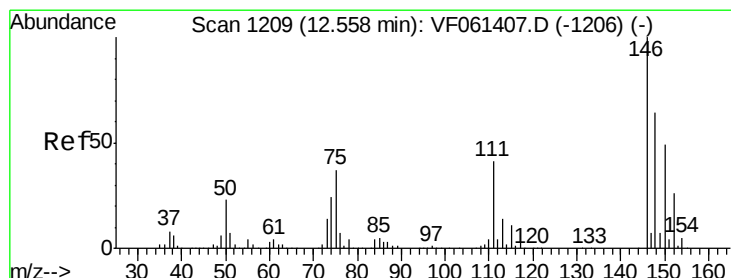
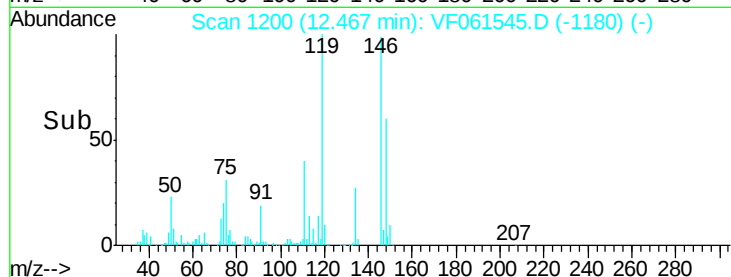
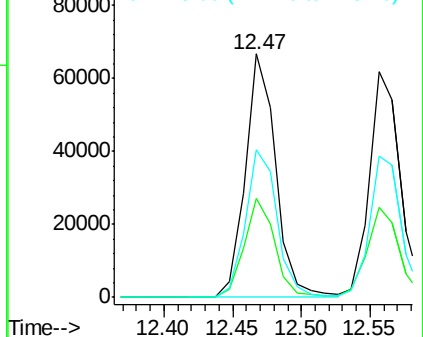
148 60.6 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 20.620 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

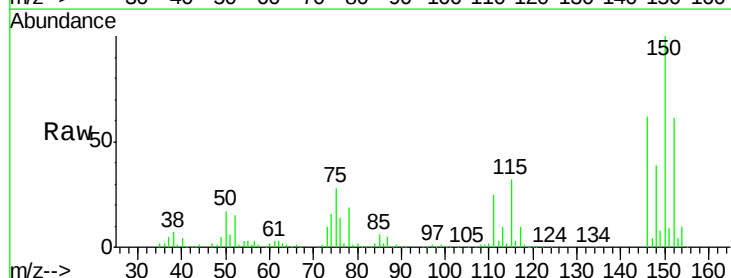
Tgt Ion:146 Resp: 98708

Ion Ratio Lower Upper

146 100

111 40.0 20.8 62.2

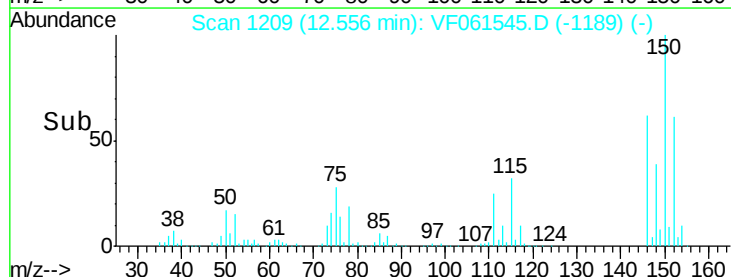
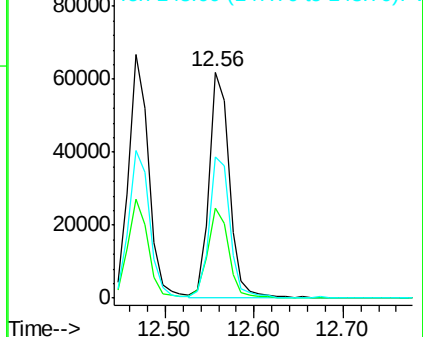
148 62.6 32.1 96.5

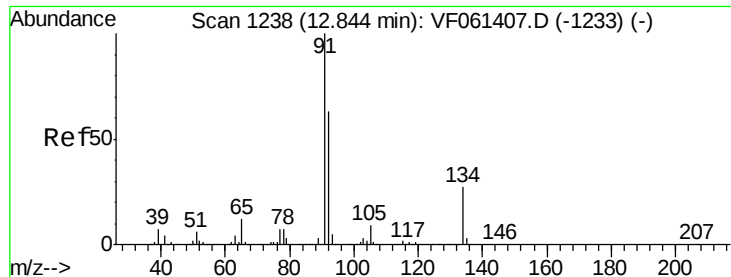


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

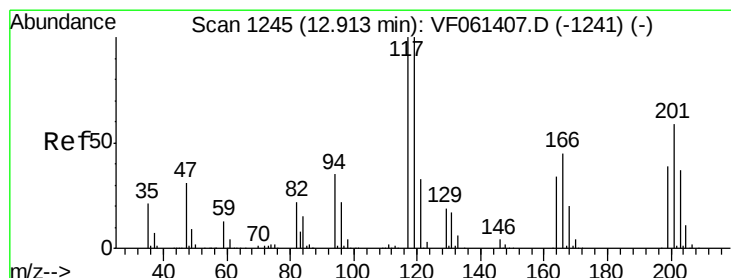
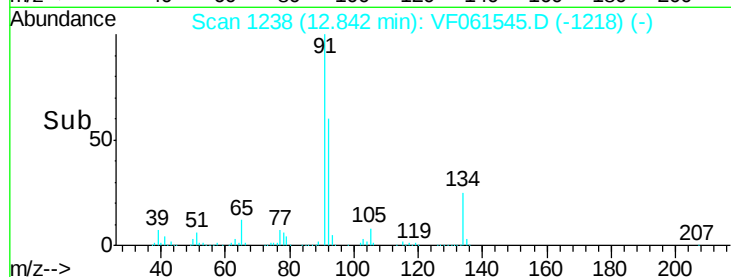
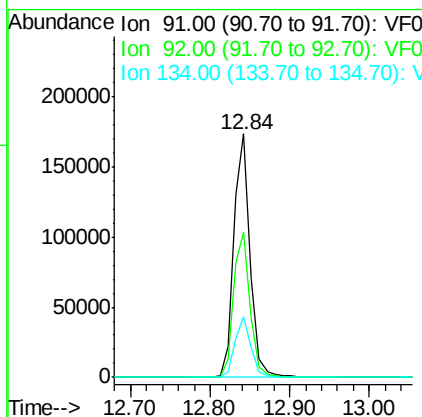
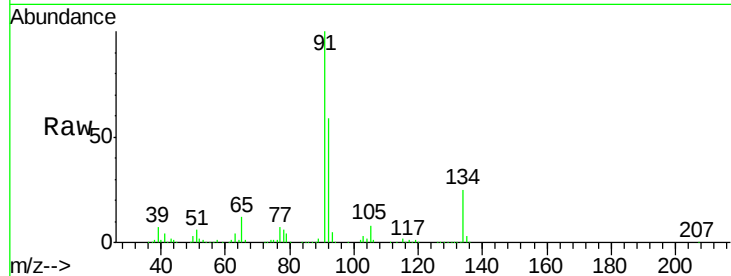




#89
n-Butylbenzene
Concen: 21.590 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

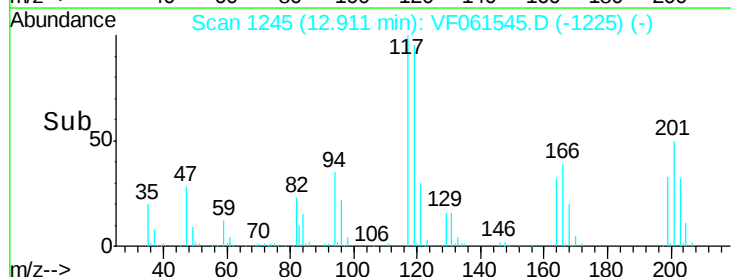
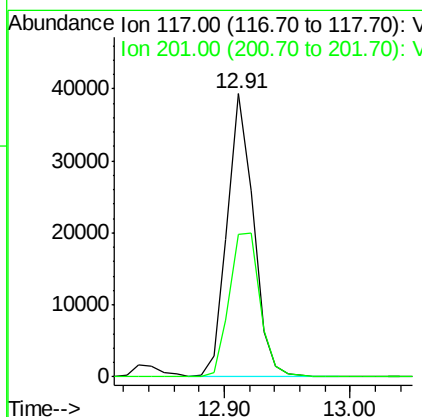
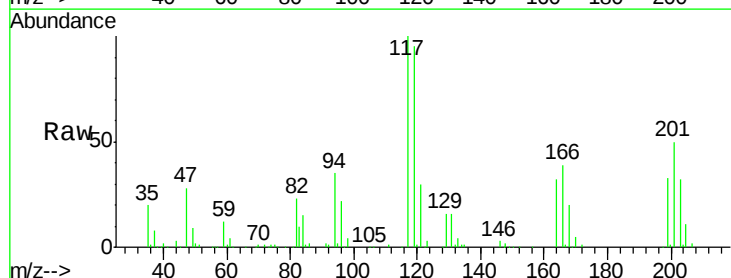
Instrument :
MSVOA_F
ClientSampleId :

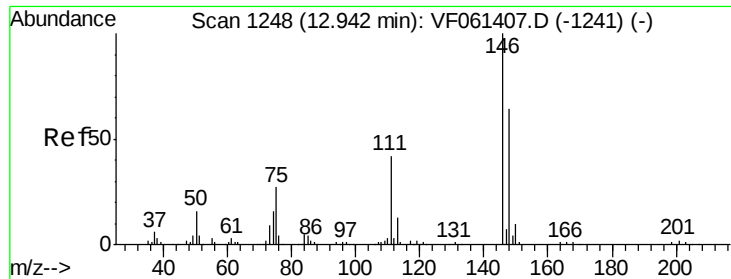
Tot Ion: 91 Resp: 248702
Ion Ratio Lower Upper
91 100
92 59.5 31.6 94.7
134 24.9 13.6 40.8



#90
Hexachloroethane
Concen: 21.613 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061545.D
Acq: 7 Feb 2019 15:18

Tgt Ion: 117 Resp: 56905
Ion Ratio Lower Upper
117 100
201 50.4 29.3 87.8





#91

1,2-Dichlorobenzene

Concen: 20.036 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

ClientSampled :

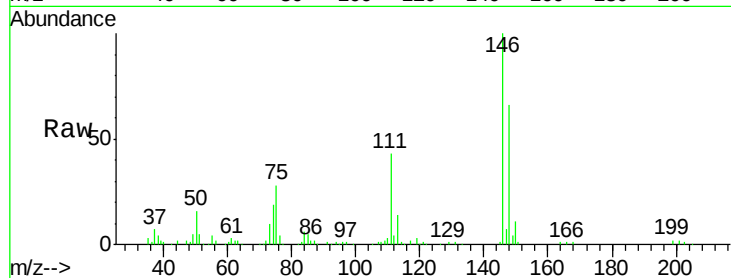
Tot Ion:146 Resp: 94949

Ion Ratio Lower Upper

146 100

111 42.9 21.1 63.3

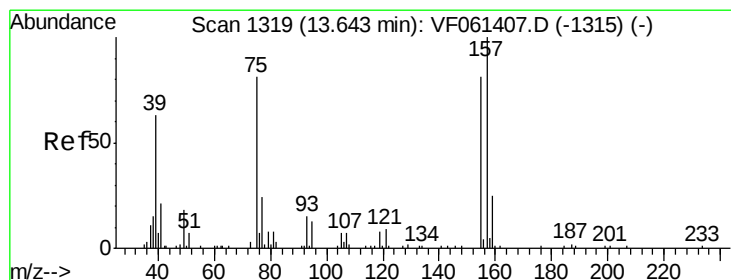
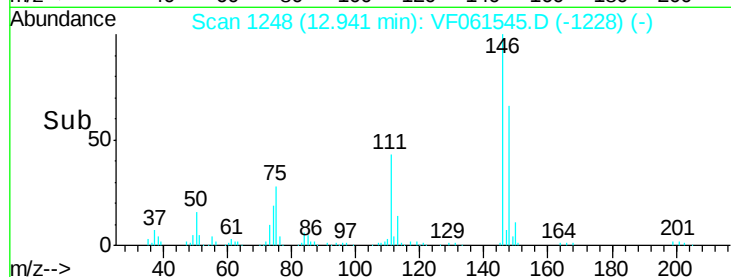
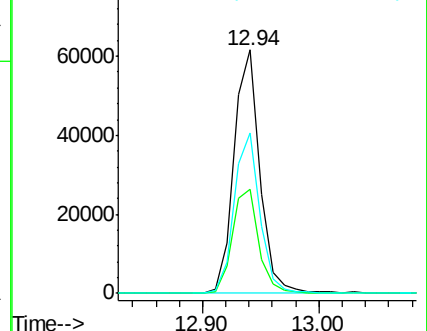
148 65.8 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.263 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

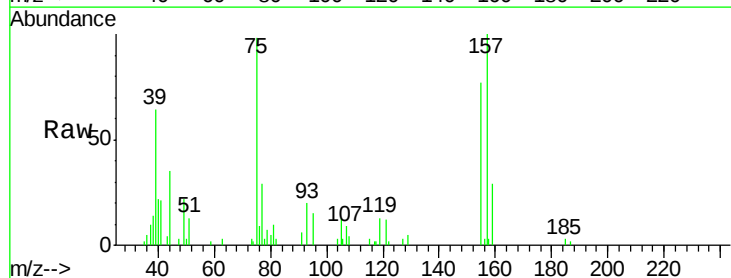
Tgt Ion: 75 Resp: 7680

Ion Ratio Lower Upper

75 100

155 78.2 49.7 149.1

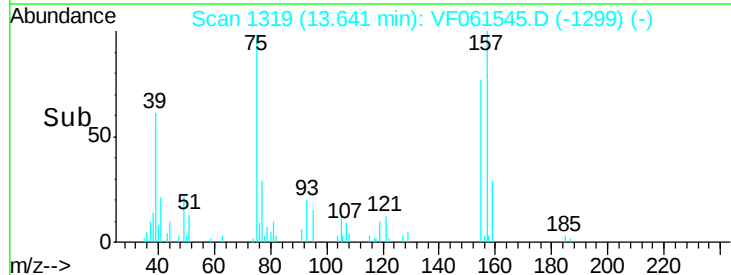
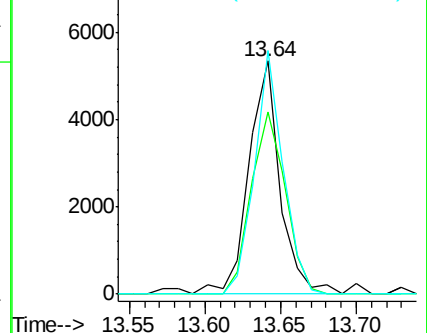
157 104.4 61.4 184.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

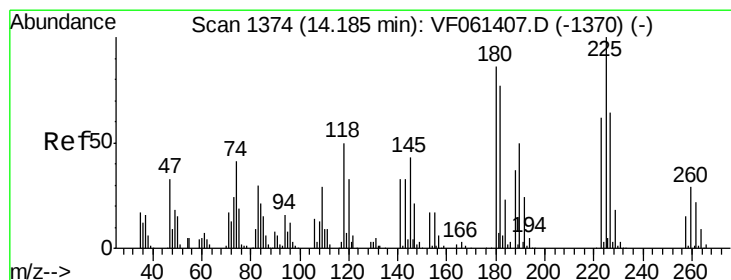
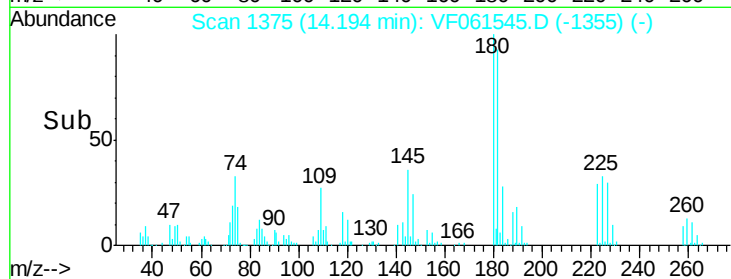
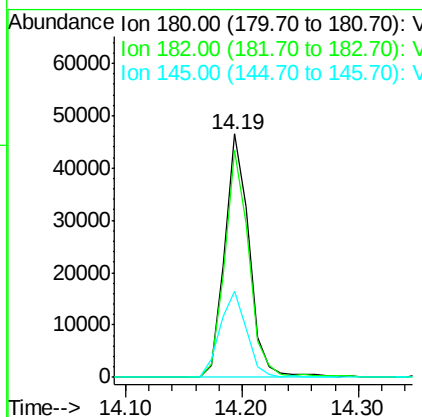
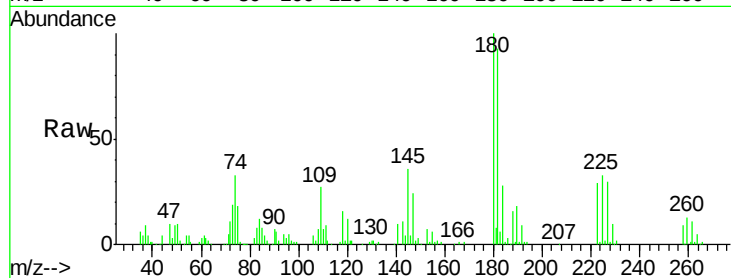




#93
 1,2,4-Trichlorobenzene
 Concen: 20.474 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061545.D
 Acq: 7 Feb 2019 15:18

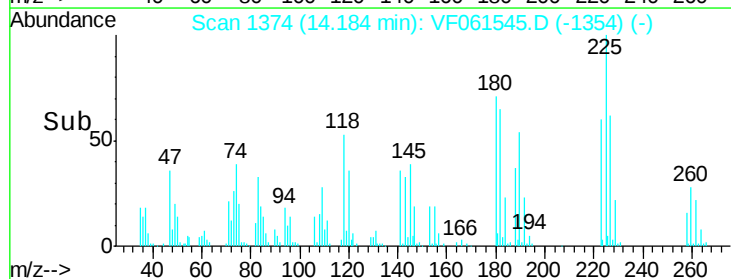
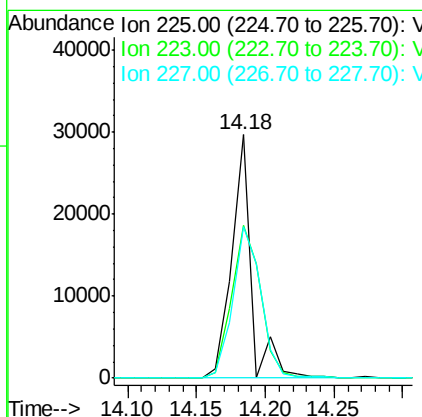
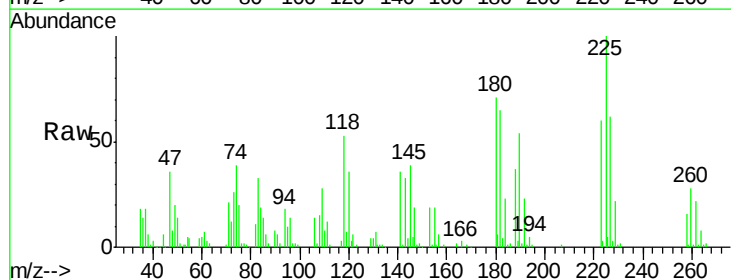
Instrument :
 MSVOA_F
 ClientSampleId :

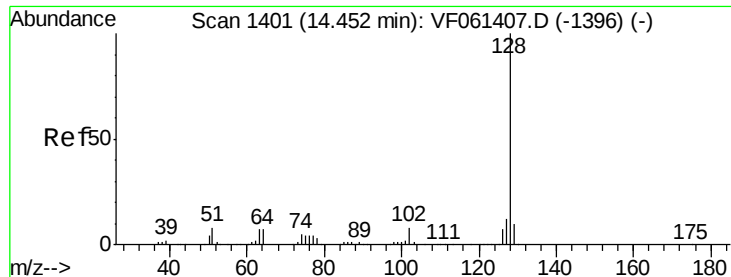
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.5	145.6
145	35.6	17.5	52.6



#94
 Hexachlorobutadiene
 Concen: 14.205 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061545.D
 Acq: 7 Feb 2019 15:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.2
227	62.1	32.2	96.6





#95

Naphthalene

Concen: 18.848 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

Instrument :

MSVOA_F

ClientSampleId :

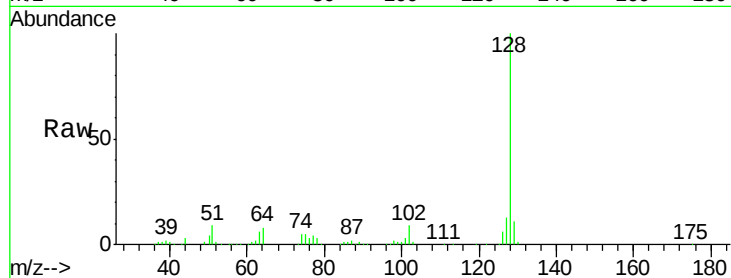
Tot Ion:128 Resp: 118879

Ion Ratio Lower Upper

128 100

127 12.8 9.5 14.3

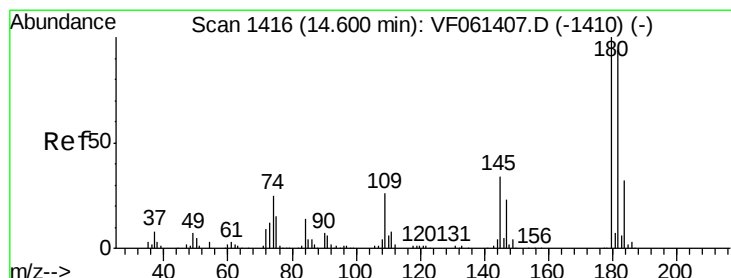
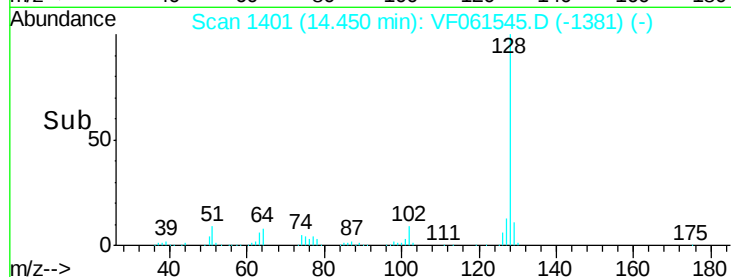
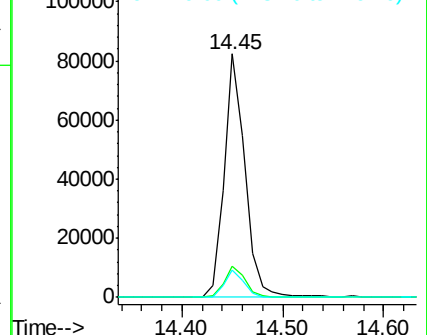
129 11.4 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.648 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF061545.D

Acq: 7 Feb 2019 15:18

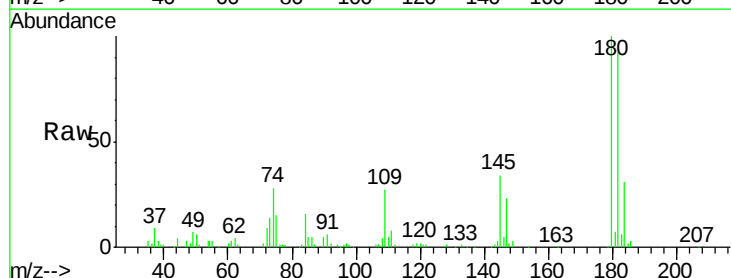
Tgt Ion:180 Resp: 57307

Ion Ratio Lower Upper

180 100

182 91.9 47.0 141.2

145 34.3 17.1 51.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

