

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\
 Data File : VF061470.D
 Acq On : 21 Jan 2019 13:33
 Operator : VA/AP
 Sample : VF0121SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Quant Time: Jan 22 06:28:20 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	4.87	168	191647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	339866	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	310217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	152528	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	121527	51.36	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	4.11	113	140011	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
50) Toluene-d8	7.55	98	358312	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.41	95	170886	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	68788	18.268	ug/l	88
3) Chloromethane	1.09	50	58416	21.157	ug/l	100
4) Vinyl Chloride	1.15	62	53416	21.748	ug/l	97
5) Bromomethane	1.31	94	32553	20.325	ug/l	97
6) Chloroethane	1.39	64	21214	19.493	ug/l	92
7) Trichlorofluoromethane	1.46	101	88767	18.591	ug/l	95
8) Diethyl Ether	1.63	74	10678	17.453	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.83	101	48872	21.302	ug/l	95
10) Methyl Iodide	1.90	142	49315	13.865	ug/l	93
11) Tert butyl alcohol	2.56	59	9726	97.111	ug/l	98
12) 1,1-Dichloroethene	1.80	96	22105	12.969	ug/l	79
13) Acrolein	2.00	56	6399	81.447	ug/l	99
14) Allyl chloride	2.10	41	65086	35.618	ug/l	91
15) Acrylonitrile	2.94	53	27607	107.611	ug/l	100
16) Acetone	2.23	43	60216	126.858	ug/l	100
17) Carbon Disulfide	1.76	76	32221	6.063	ug/l	98
18) Methyl Acetate	2.34	43	18626	19.786	ug/l	97
19) Methyl tert-butyl Ether	2.42	73	68410	17.904	ug/l	94
20) Methylene Chloride	2.25	84	21362	11.919	ug/l	89
21) trans-1,2-Dichloroethene	2.31	96	39171	20.887	ug/l	98
22) Diisopropyl ether	2.80	45	133106	21.944	ug/l	98
23) Vinyl Acetate	3.19	43	269760	103.011	ug/l	99
24) 1,1-Dichloroethane	2.88	63	73521	19.312	ug/l	98
25) 2-Butanone	4.34	43	83331	105.568	ug/l	100
26) 2,2-Dichloropropane	3.60	77	46212	19.757	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	57283	20.692	ug/l	95
28) Bromochloromethane	3.71	49	38590	22.550	ug/l	84
29) Tetrahydrofuran	4.07	42	31132	91.593	ug/l	93
30) Chloroform	3.86	83	103269	20.100	ug/l	97
31) Cyclohexane	3.69	56	32776	8.619	ug/l	91
32) 1,1,1-Trichloroethane	4.09	97	75201	19.962	ug/l	91
36) 1,1-Dichloropropene	4.28	75	76590	19.436	ug/l	97
37) Ethyl Acetate	4.10	43	26863	17.054	ug/l #	65
38) Carbon Tetrachloride	3.99	117	64203	18.637	ug/l	91

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	82723	19.371	ug/l	97
40) Benzene	4.63	78	170197	19.410	ug/l	97
41) Methacrylonitrile	4.74	41	16102	19.211	ug/l #	95
42) 1,2-Dichloroethane	4.95	62	52156	16.692	ug/l	97
43) Isopropyl Acetate	6.96	43	34850	17.628	ug/l #	78
44) Trichloroethene	5.50	130	51369	19.097	ug/l	96
45) 1,2-Dichloropropane	6.24	63	44669	19.410	ug/l	96
46) Dibromomethane	6.09	93	25475	16.648	ug/l	92
47) Bromodichloromethane	6.39	83	69047	18.237	ug/l	92
48) Methyl methacrylate	6.71	41	21859	16.466	ug/l	93
49) 1,4-Dioxane	6.71	88	4118	402.945	ug/l #	78
51) 4-Methyl-2-Pentanone	8.25	43	134648	92.645	ug/l	99
52) Toluene	7.62	92	106703	18.479	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	54327	18.071	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	70006	18.629	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	29204	17.810	ug/l	94
56) Ethyl methacrylate	8.62	69	32430	16.999	ug/l	92
57) 1,3-Dichloropropane	8.85	76	54925	17.871	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	17068	103.446	ug/l	91
59) 2-Hexanone	9.49	43	105436	104.035	ug/l	98
60) Dibromochloromethane	8.71	129	41395	17.268	ug/l	96
61) 1,2-Dibromoethane	8.98	107	31473	16.766	ug/l #	81
64) Tetrachloroethene	8.15	164	42786	18.341	ug/l	97
65) Chlorobenzene	9.80	112	121733	19.297	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	49635	19.751	ug/l	97
67) Ethyl Benzene	9.90	91	223697	19.408	ug/l	96
68) m/p-Xylenes	10.13	106	162388	39.172	ug/l	97
69) o-Xylene	10.71	106	90414	20.123	ug/l	90
70) Styrene	10.79	104	115849	18.837	ug/l	99
71) Bromoform	10.77	173	20792	18.414	ug/l #	95
73) Isopropylbenzene	11.12	105	259576	20.924	ug/l	97
74) N-amyl acetate	11.37	43	59564	20.305	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	42811	19.372	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	30680	19.320	ug/l	99
77) Bromobenzene	11.50	156	49395	18.854	ug/l	95
78) n-propylbenzene	11.60	91	311768	19.262	ug/l	99
79) 2-Chlorotoluene	11.71	91	180777	21.003	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	217464	21.722	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	16787	24.318	ug/l	95
82) 4-Chlorotoluene	11.90	91	170965	19.684	ug/l	100
83) tert-Butylbenzene	12.13	119	217329	20.974	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	209884	20.353	ug/l	96
85) sec-Butylbenzene	12.31	105	279518	19.864	ug/l	98
86) p-Isopropyltoluene	12.45	119	248336	21.498	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	105015	19.058	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	98384	19.873	ug/l	98
89) n-Butylbenzene	12.84	91	253013	21.238	ug/l	95
90) Hexachloroethane	12.92	117	56368	20.701	ug/l	99
91) 1,2-Dichlorobenzene	12.94	146	95629	19.512	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6343	16.182	ug/l	70

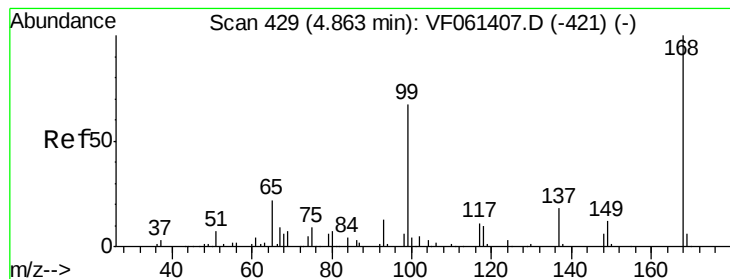
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	60488	17.618	ug/l	98
94) Hexachlorobutadiene	14.19	225	37860	17.771	ug/l	97
95) Naphthalene	14.46	128	100519	15.410	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	53741	16.909	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

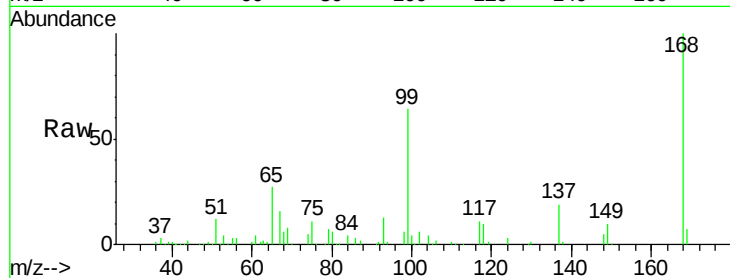
VF0121SBS01

Tot Ion:168 Resp: 191647

Ion Ratio Lower Upper

168 100

99 64.5 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

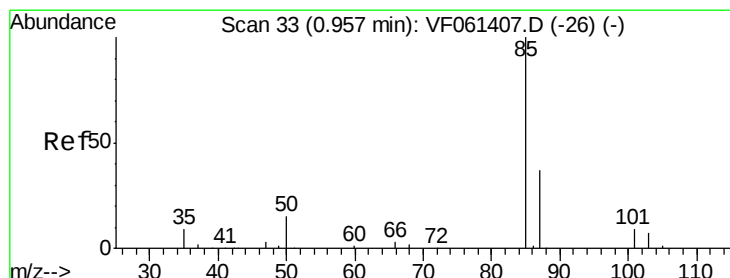
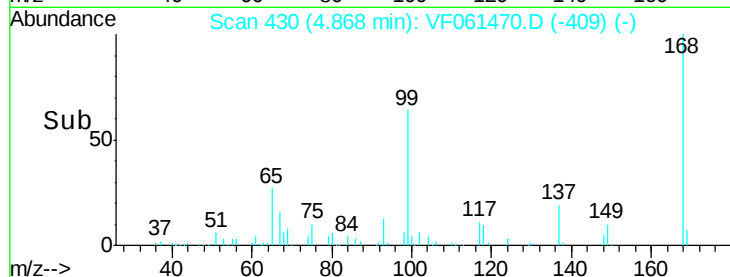
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 18.268 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061470.D

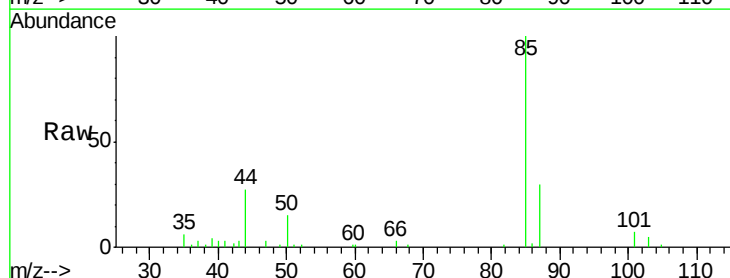
Acq: 21 Jan 2019 13:33

Tgt Ion: 85 Resp: 68788

Ion Ratio Lower Upper

85 100

87 29.6 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

20000

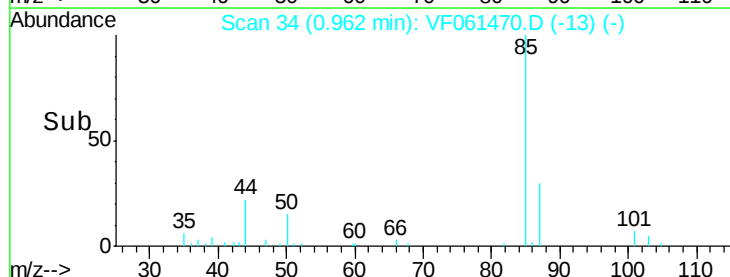
15000

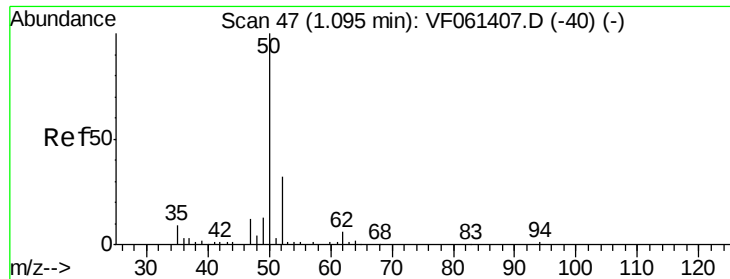
10000

5000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 21.157 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

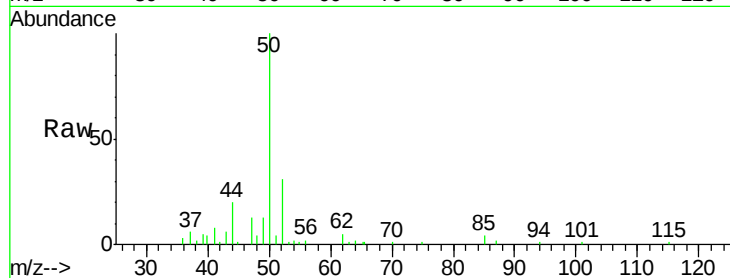
VF0121SBS01

Tot Ion: 50 Resp: 58416

Ion Ratio Lower Upper

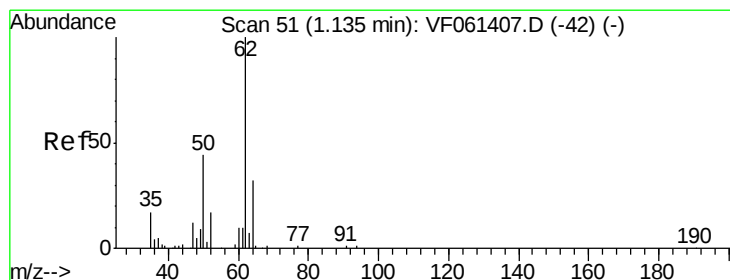
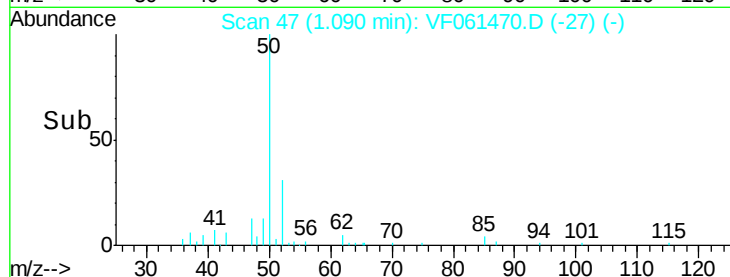
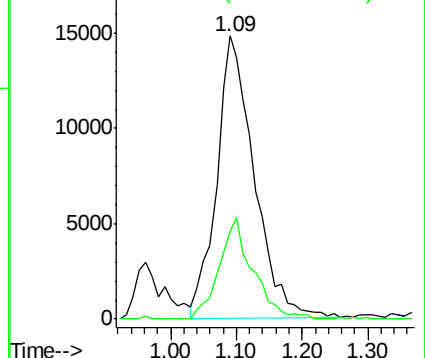
50 100

52 30.7 24.6 36.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.748 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF061470.D

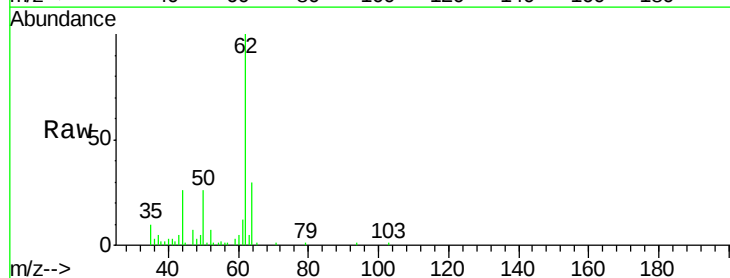
Acq: 21 Jan 2019 13:33

Tgt Ion: 62 Resp: 53416

Ion Ratio Lower Upper

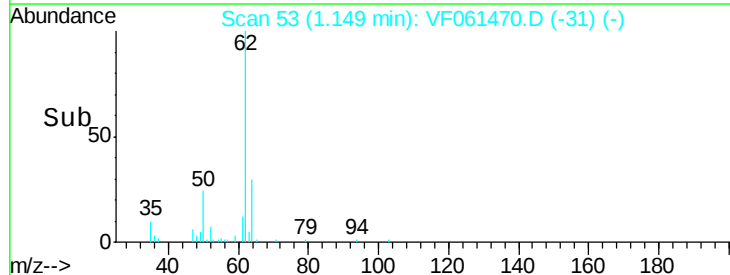
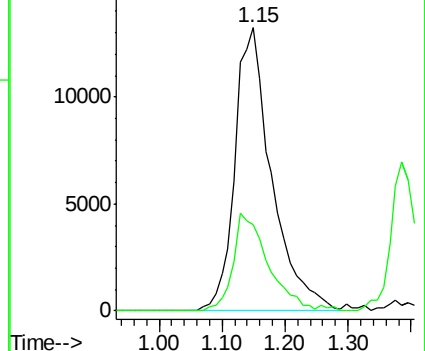
62 100

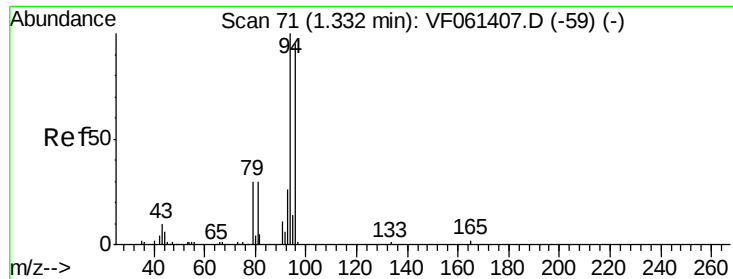
64 30.4 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.325 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

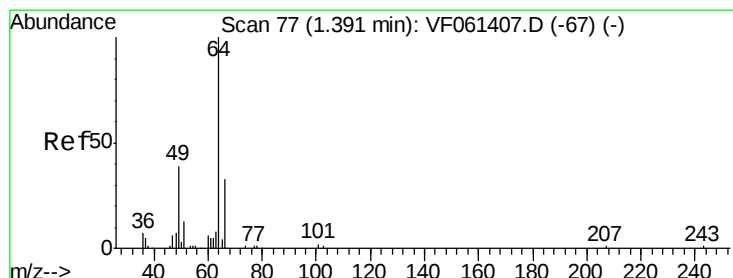
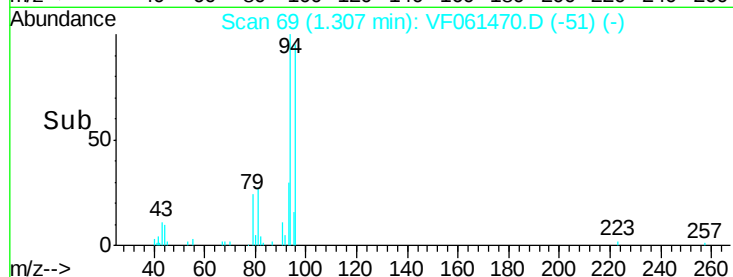
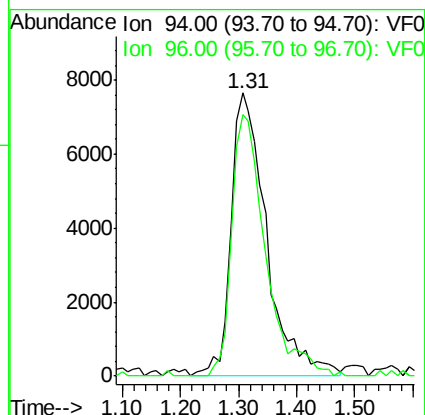
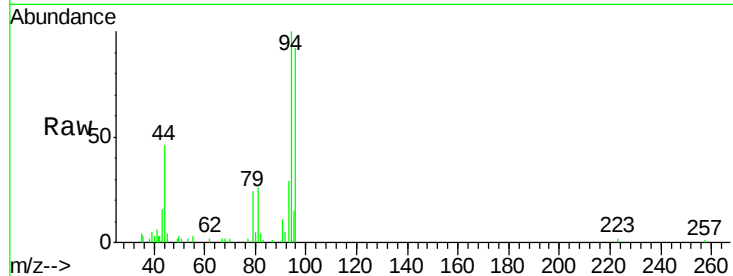
VF0121SBS01

Tot Ion: 94 Resp: 32553

Ion Ratio Lower Upper

94 100

96 92.4 76.0 114.0



#6

Chloroethane

Concen: 19.493 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061470.D

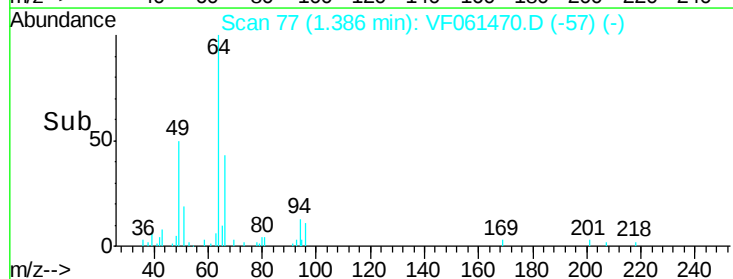
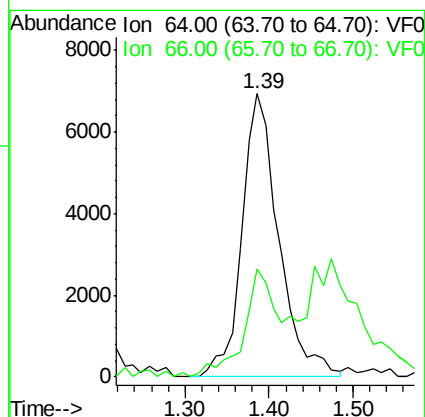
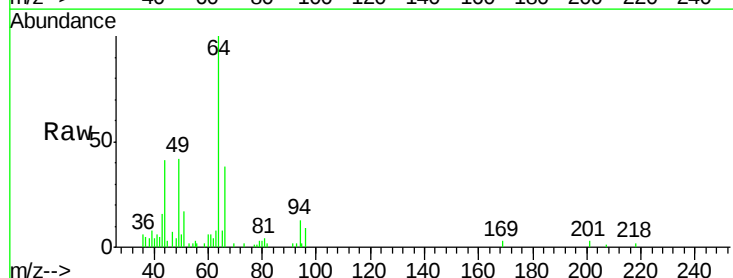
Acq: 21 Jan 2019 13:33

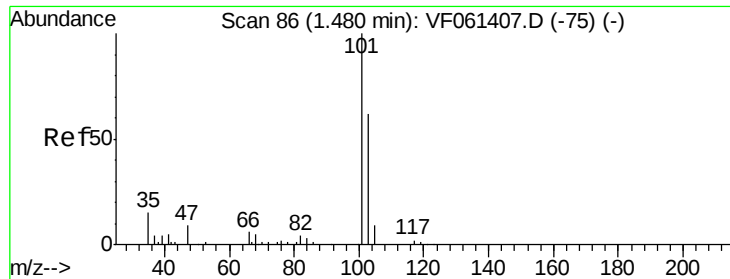
Tgt Ion: 64 Resp: 21214

Ion Ratio Lower Upper

64 100

66 38.1 26.6 40.0



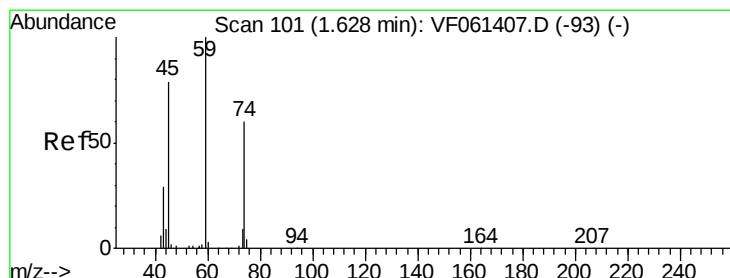
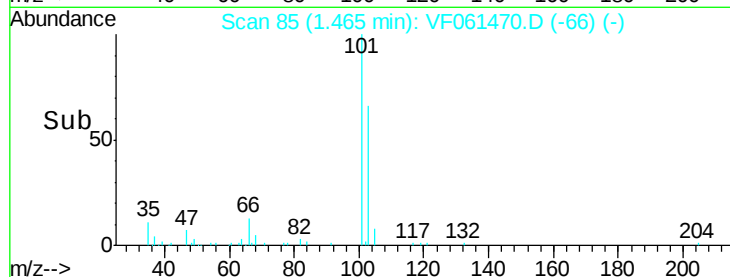
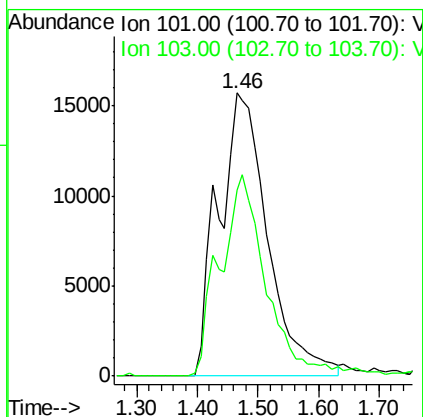
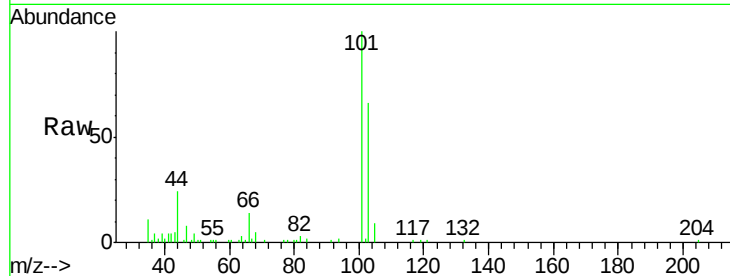


#7

Trichlorofluoromethane
 Concen: 18.591 ug/l
 RT: 1.46 min Scan# 85
 Delta R.T. -0.02 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

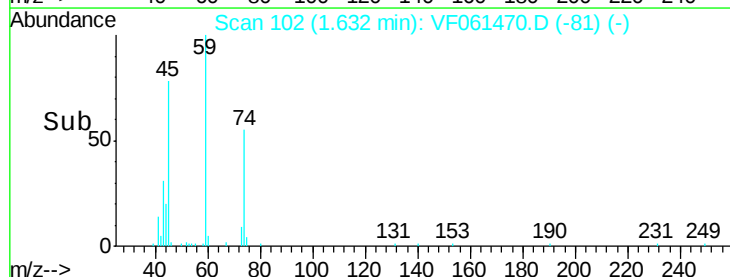
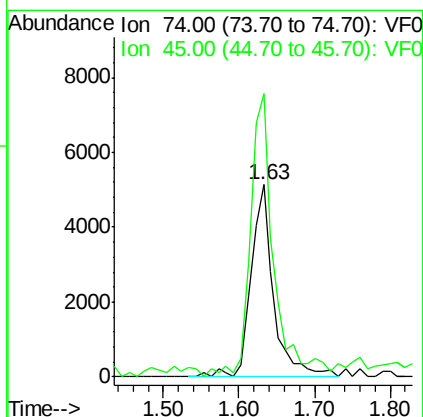
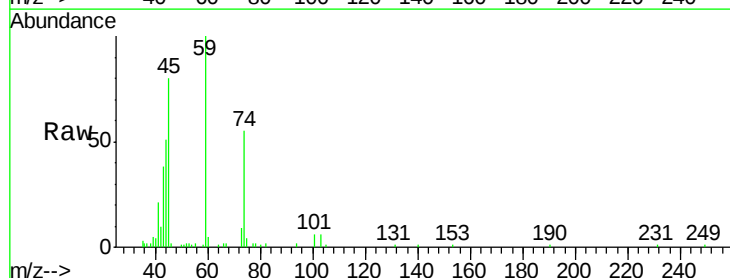
Tot Ion:101 Resp: 88767
 Ion Ratio Lower Upper
 101 100
 103 65.7 49.7 74.5



#8

Diethyl Ether
 Concen: 17.453 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion: 74 Resp: 10678
 Ion Ratio Lower Upper
 74 100
 45 147.3 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.302 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

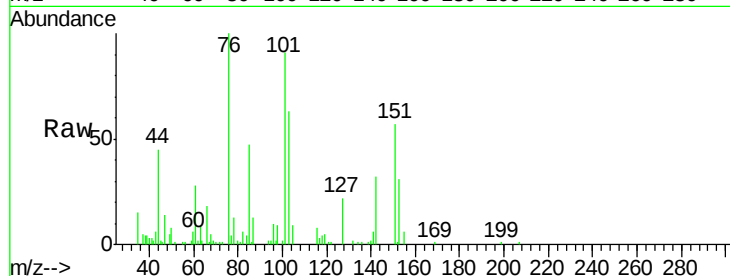
Tot Ion:101 Resp: 48872

Ion Ratio Lower Upper

101 100

85 51.8 41.9 62.9

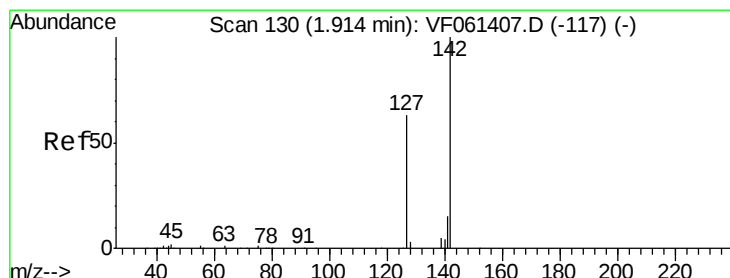
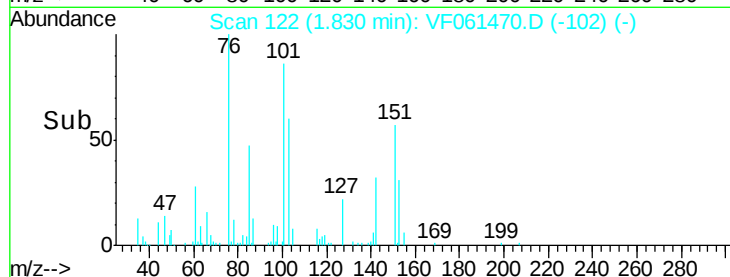
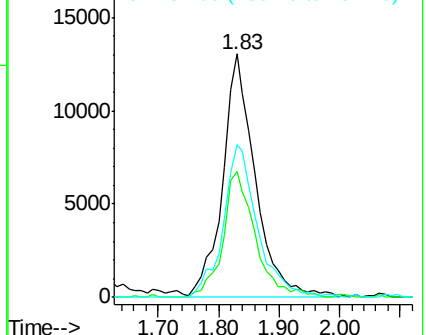
151 63.0 55.1 82.7



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: 13.865 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.02 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

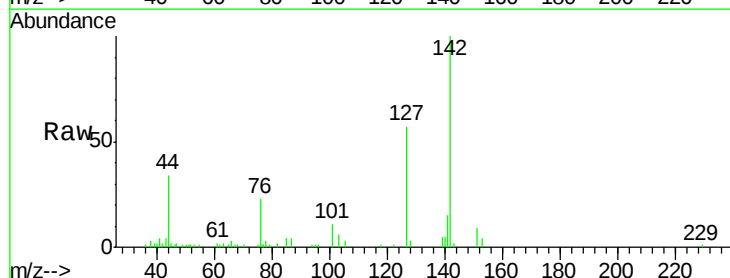
Tgt Ion:142 Resp: 49315

Ion Ratio Lower Upper

142 100

127 57.0 50.7 76.1

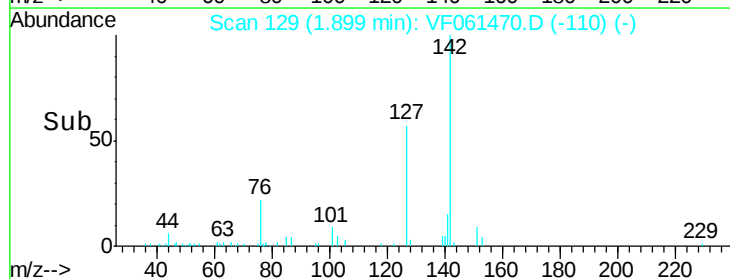
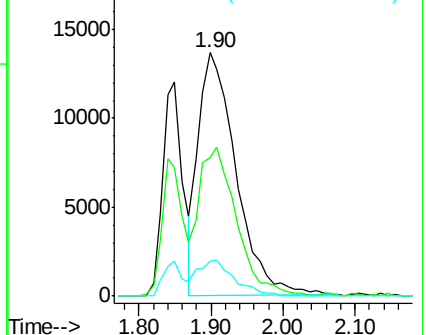
141 14.5 11.8 17.6

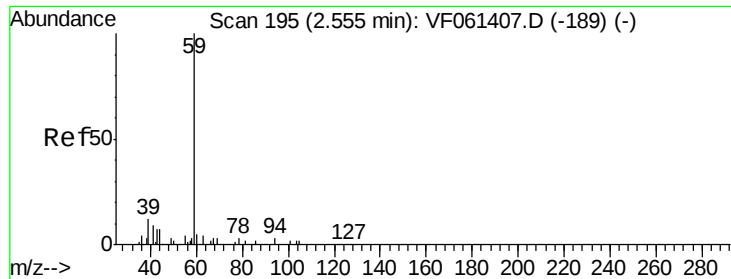


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



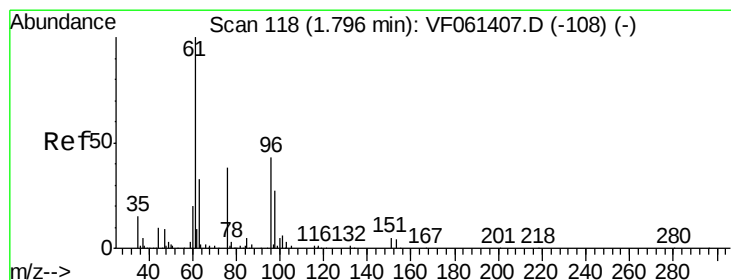
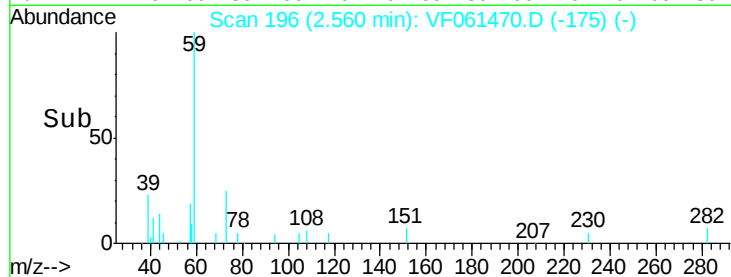
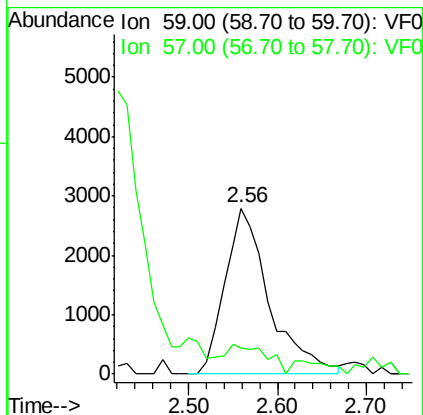
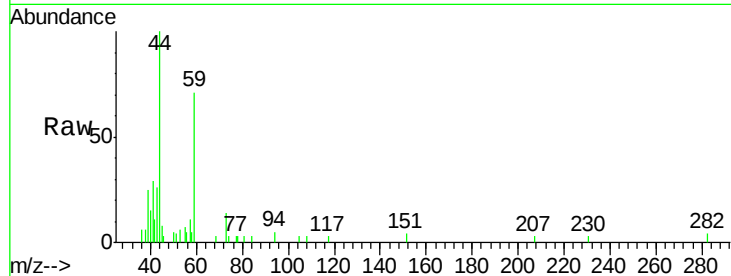


#11

Tert butyl alcohol
 Concen: 97.111 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

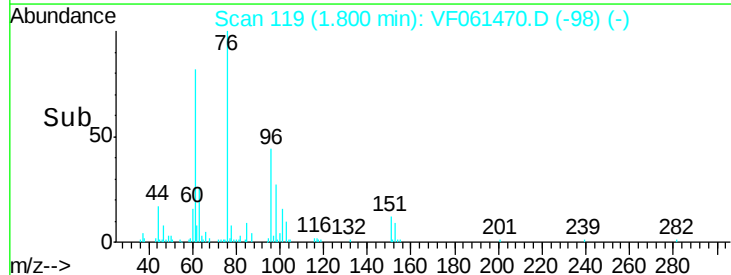
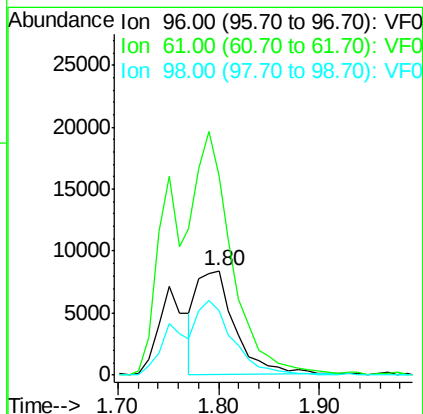
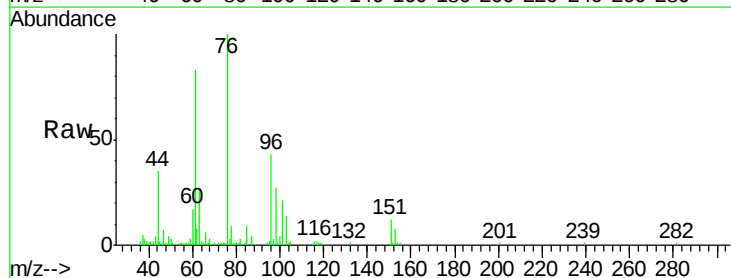
Tot Ion: 59 Resp: 9726
 Ion Ratio Lower Upper
 59 100
 57 15.6 11.9 17.9

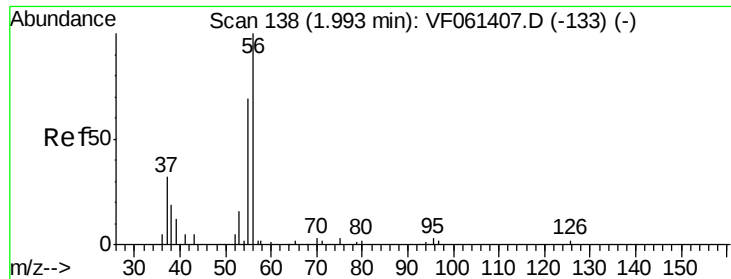


#12

1,1-Dichloroethene
 Concen: 12.969 ug/l
 RT: 1.80 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion: 96 Resp: 22105
 Ion Ratio Lower Upper
 96 100
 61 190.3 186.9 280.3
 98 61.8 53.0 79.4





#13

Acrolein

Concen: 81.447 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

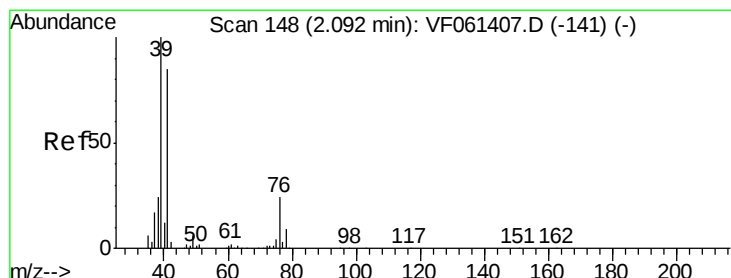
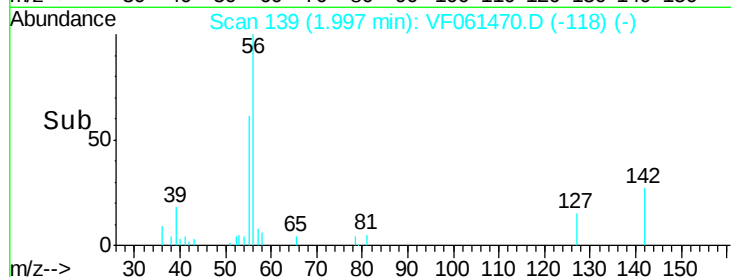
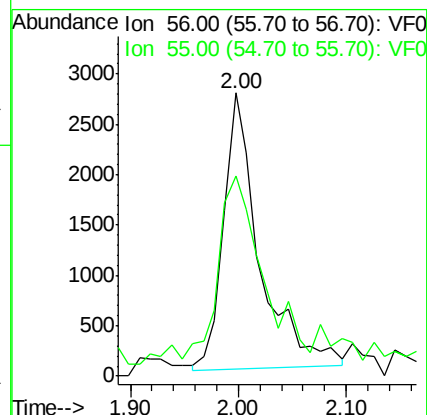
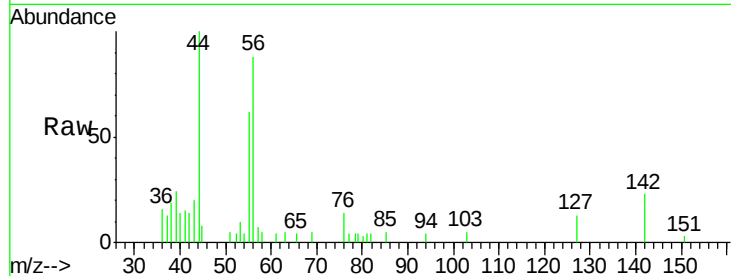
VF0121SBS01

Tot Ion: 56 Resp: 6399

Ion Ratio Lower Upper

56 100

55 70.8 57.5 86.3



#14

Allyl chloride

Concen: 35.618 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

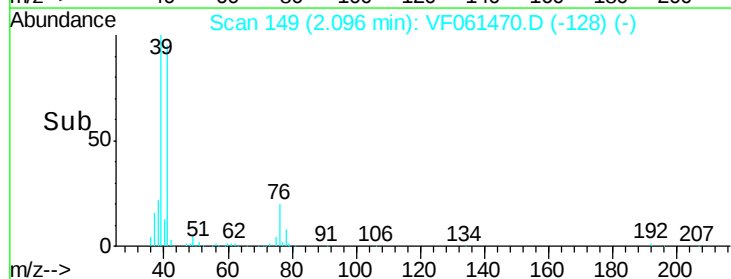
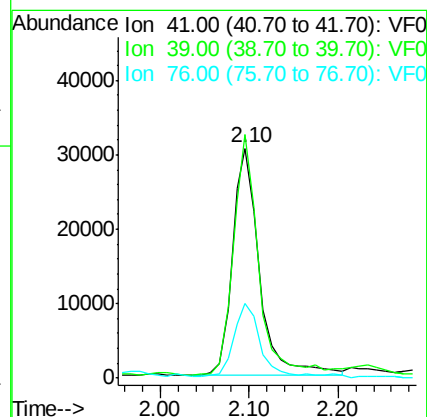
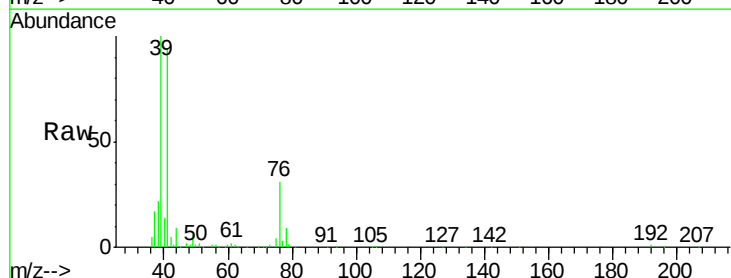
Tgt Ion: 41 Resp: 65086

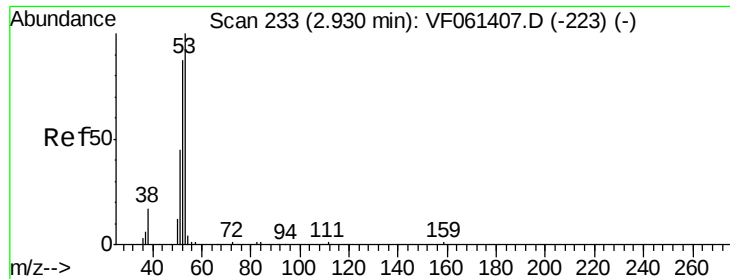
Ion Ratio Lower Upper

41 100

39 105.9 94.6 141.8

76 32.3 25.9 38.9





#15

Acrylonitrile

Concen: 107.611 ug/l

RT: 2.94 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

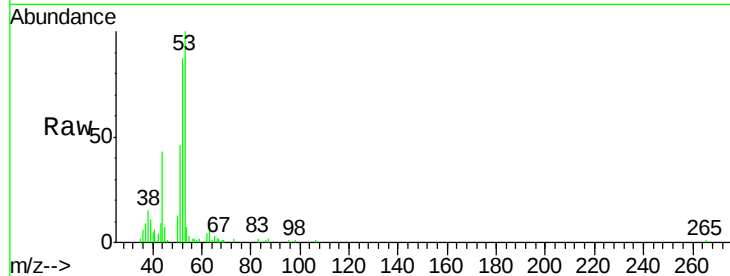
MSVOA_F

ClientSampleId :

VF0121SBS01

Tot Ion: 53 Resp: 27607

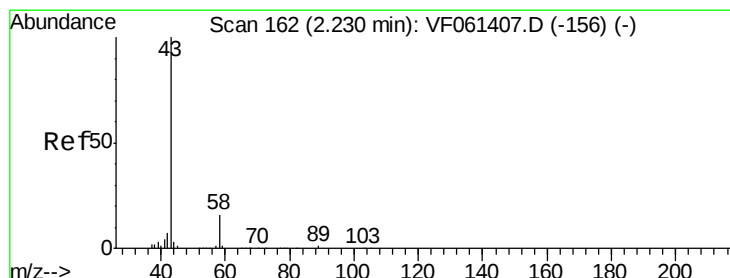
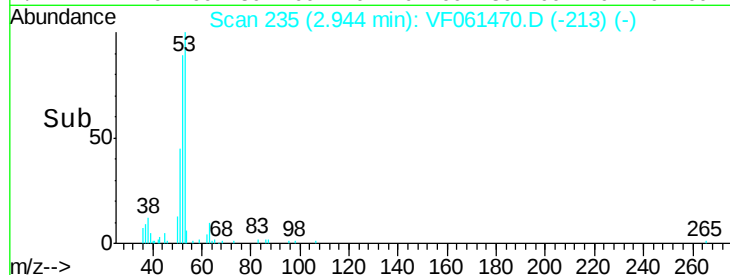
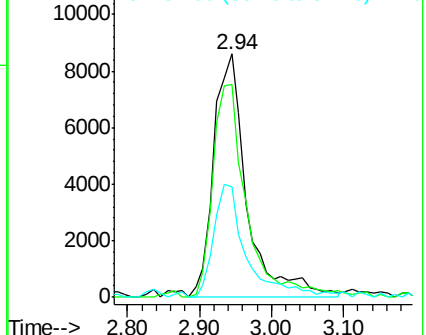
Ion	Ratio	Lower	Upper
53	100		
52	87.3	69.6	104.4
51	45.6	36.8	55.2



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: 126.858 ug/l

RT: 2.23 min Scan# 163

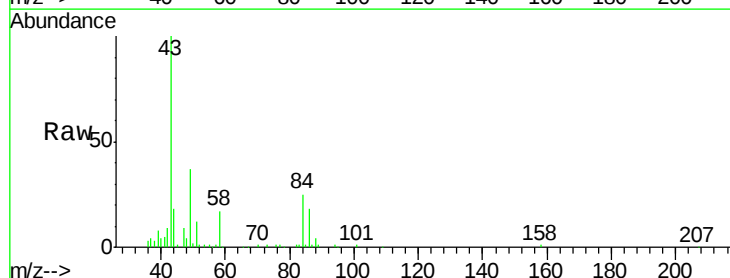
Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

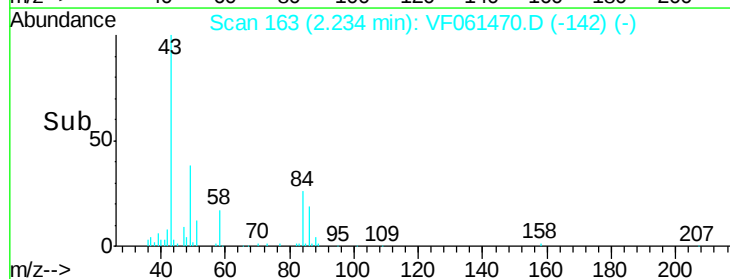
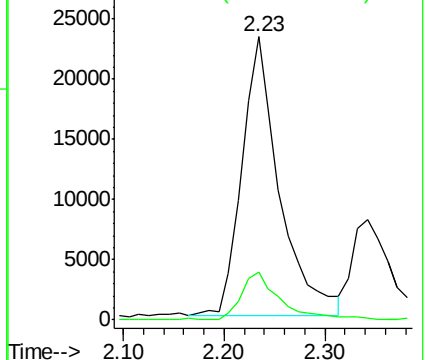
Tgt Ion: 43 Resp: 60216

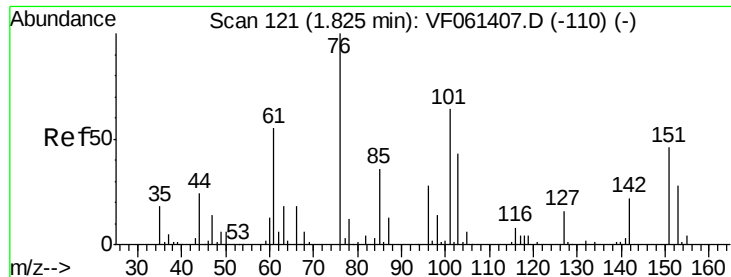
Ion	Ratio	Lower	Upper
43	100		
58	16.7	13.3	19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

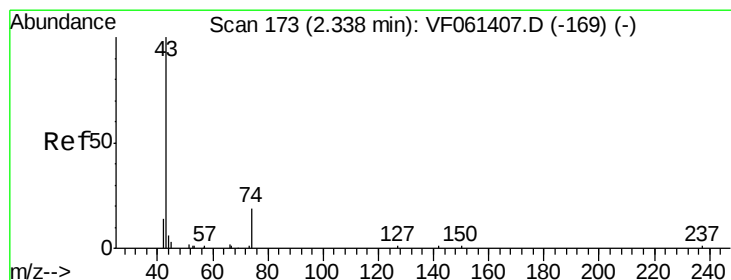
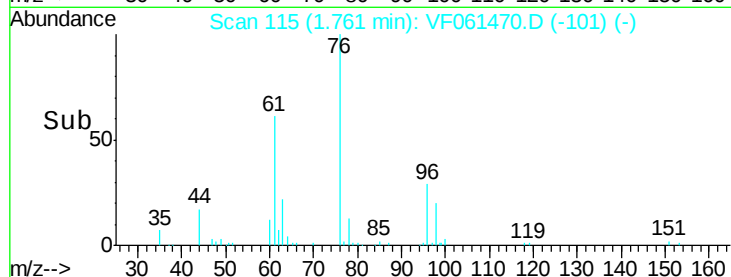
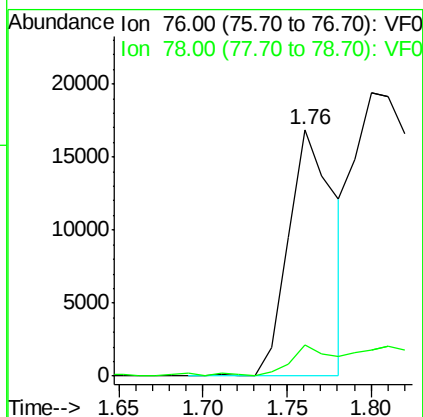
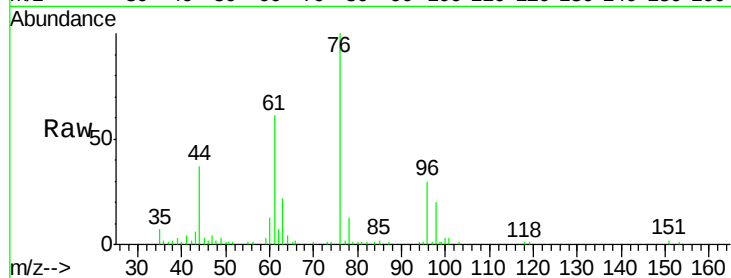




#17
Carbon Disulfide
Concen: 6.063 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.06 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

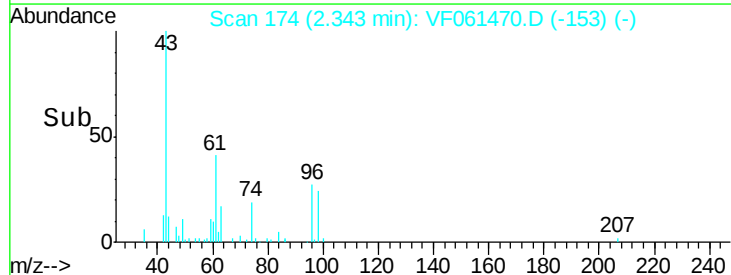
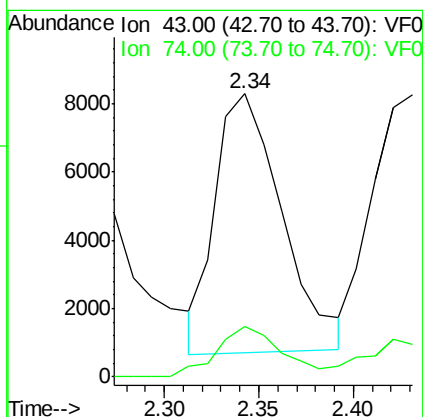
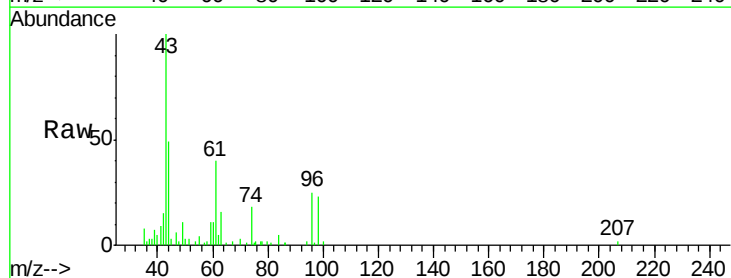
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

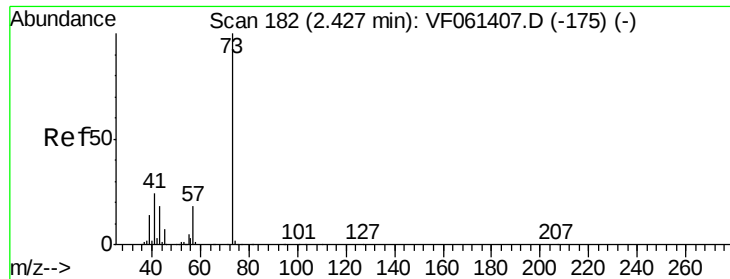
Tot Ion: 76 Resp: 32221
Ion Ratio Lower Upper
76 100
78 12.8 9.6 14.4



#18
Methyl Acetate
Concen: 19.786 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion: 43 Resp: 18626
Ion Ratio Lower Upper
43 100
74 17.9 13.4 20.0

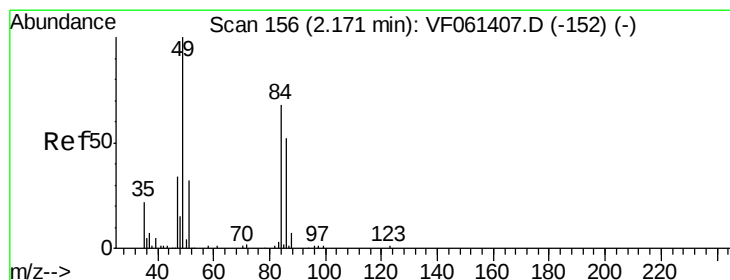
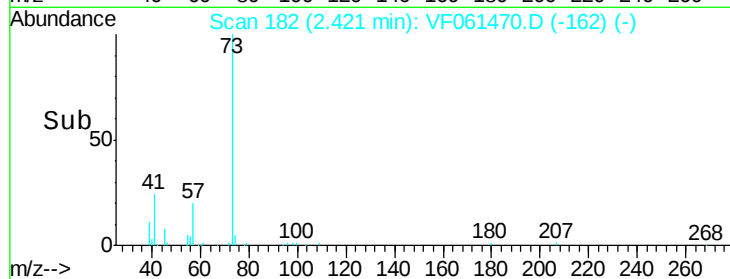
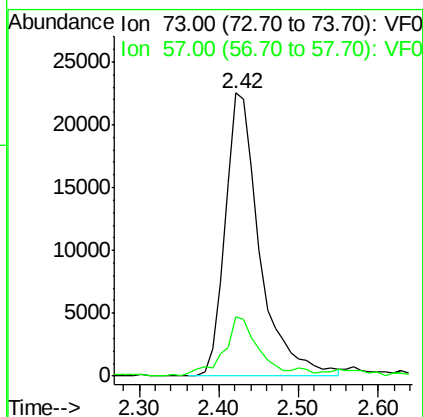
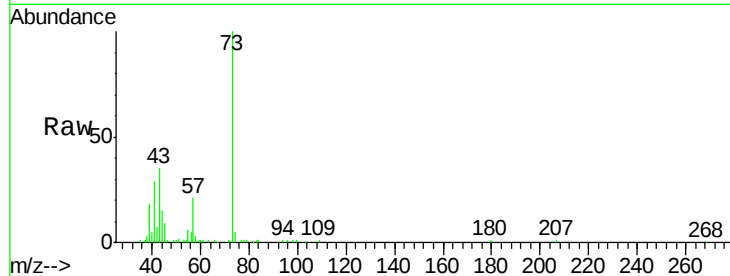




#19
Methyl tert-butyl Ether
Concen: 17.904 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

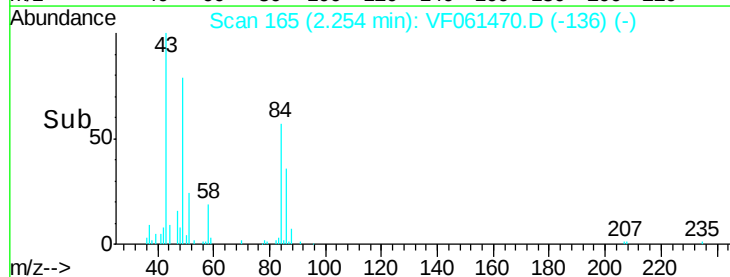
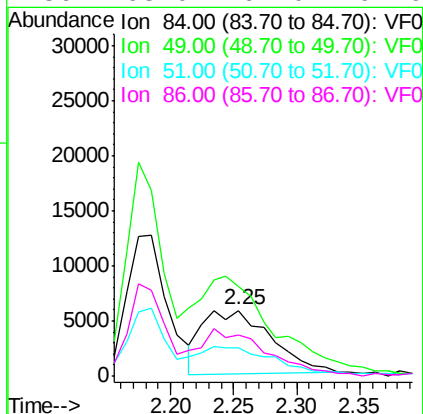
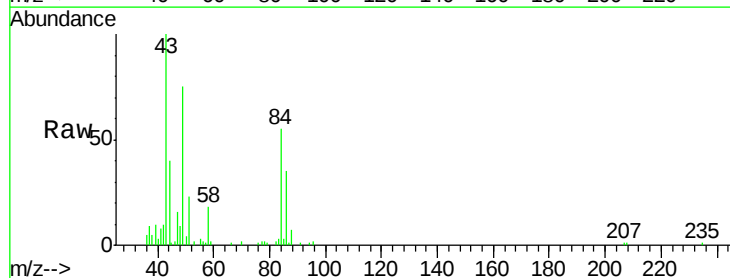
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

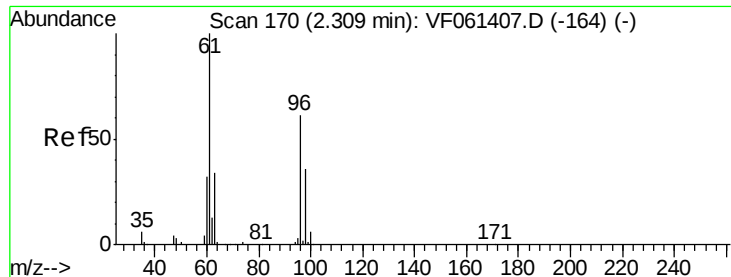
Tot Ion: 73 Resp: 68410
Ion Ratio Lower Upper
73 100
57 21.2 14.8 22.2



#20
Methylene Chloride
Concen: 11.919 ug/l
RT: 2.25 min Scan# 165
Delta R.T. 0.08 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion: 84 Resp: 21362
Ion Ratio Lower Upper
84 100
49 136.9 120.0 180.0
51 42.6 38.6 58.0
86 63.0 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 20.887 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

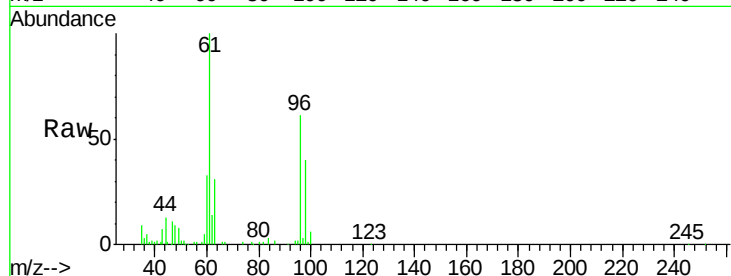
Tot Ion: 96 Resp: 39171

Ion Ratio Lower Upper

96 100

61 164.8 131.8 197.8

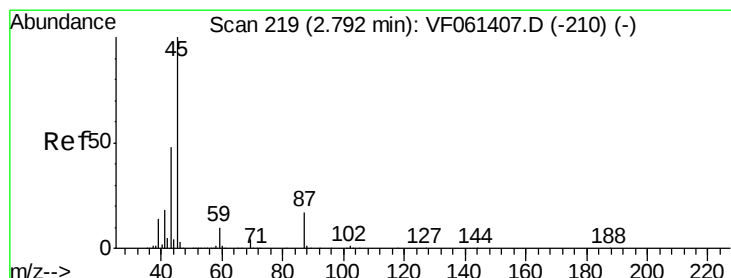
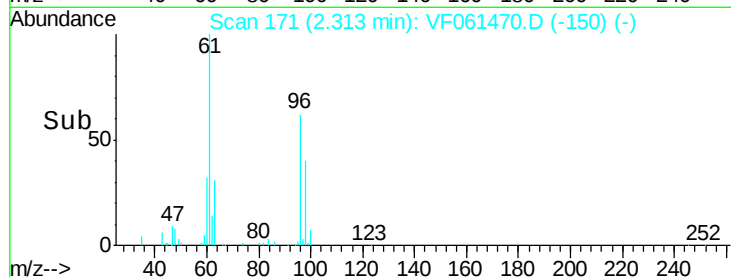
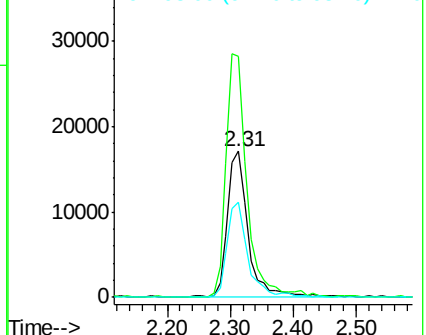
98 65.4 47.4 71.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 21.944 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion: 45 Resp: 133106

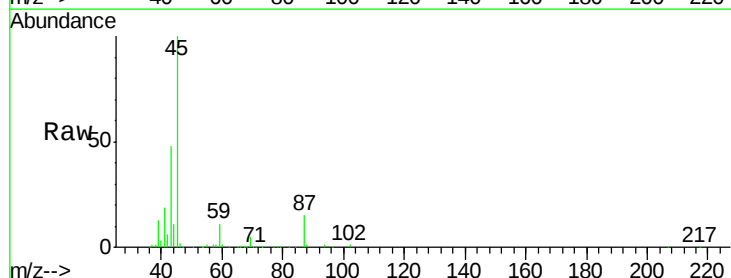
Ion Ratio Lower Upper

45 100

43 47.9 39.0 58.6

87 15.2 13.9 20.9

59 10.7 7.8 11.6

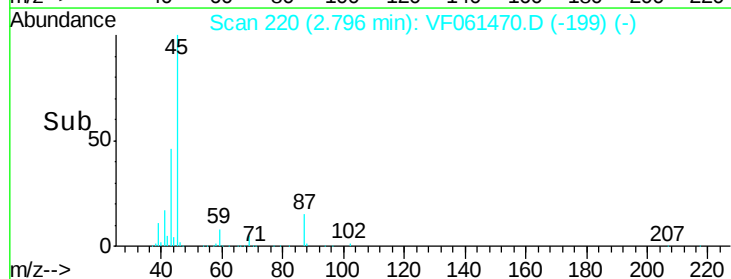
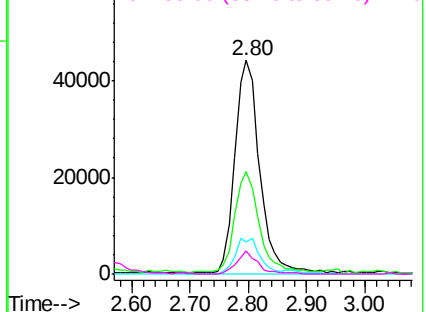


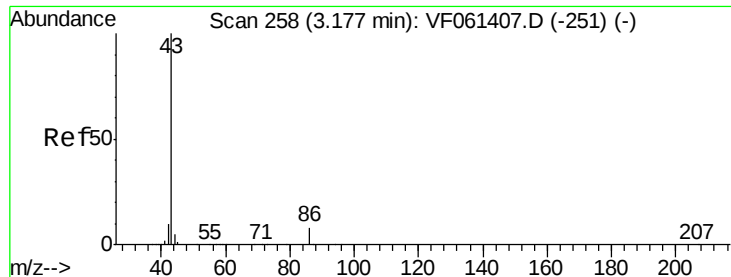
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 103.011 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

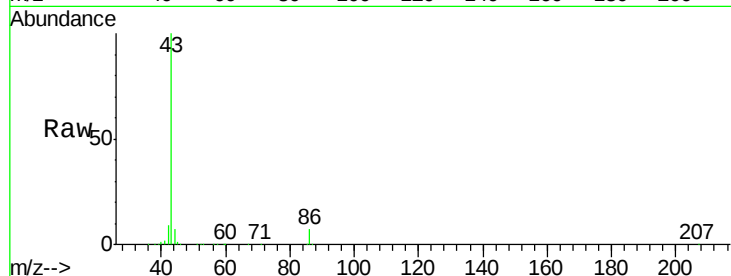
VF0121SBS01

Tot Ion: 43 Resp: 269760

Ion Ratio Lower Upper

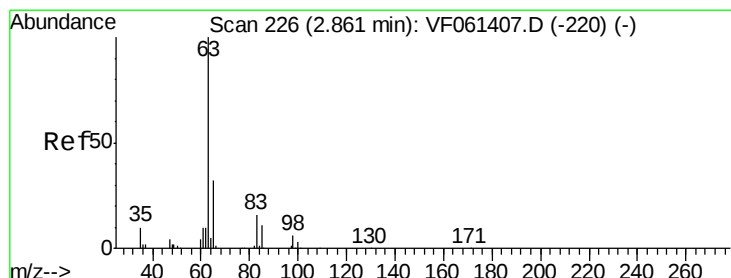
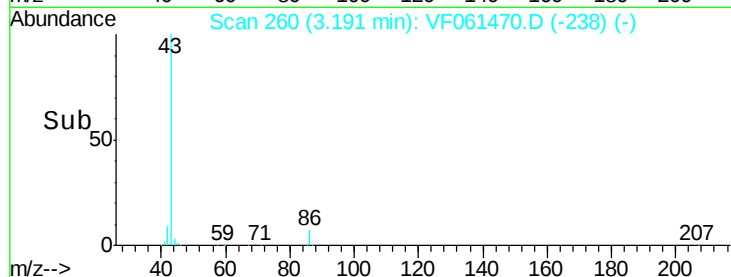
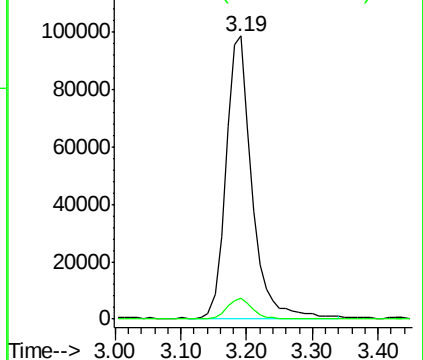
43 100

86 7.4 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 19.312 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

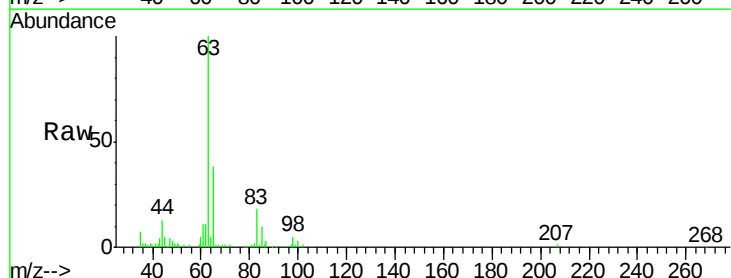
Tgt Ion: 63 Resp: 73521

Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.8

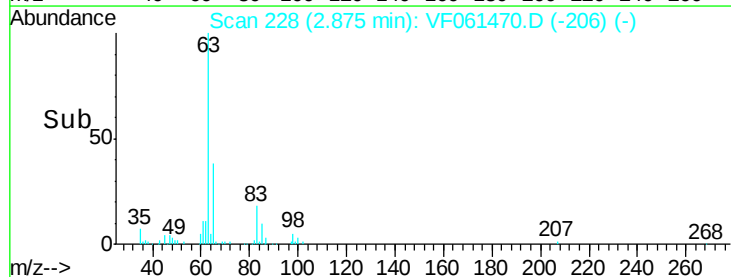
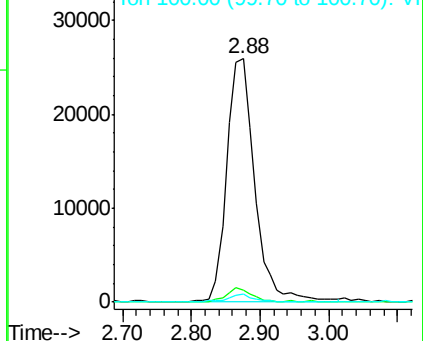
100 3.2 1.6 4.8

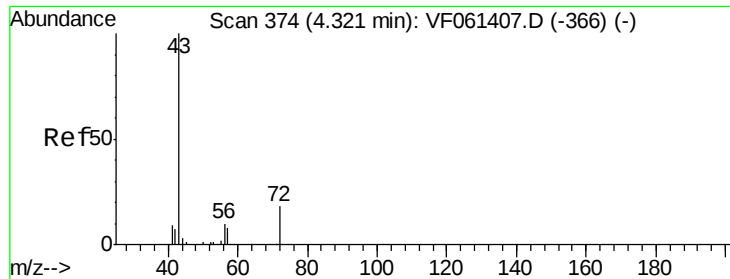


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 105.568 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

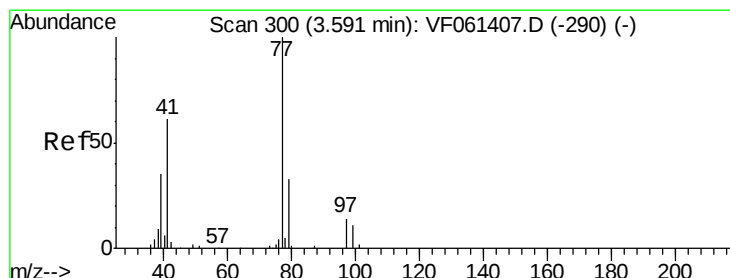
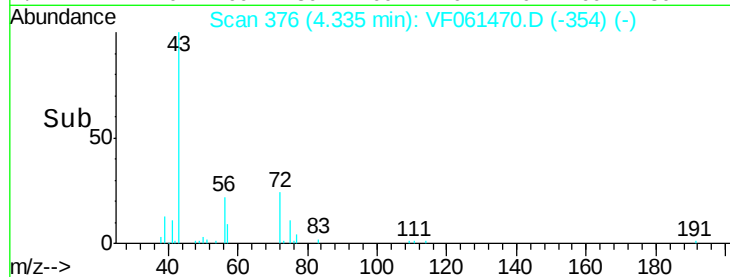
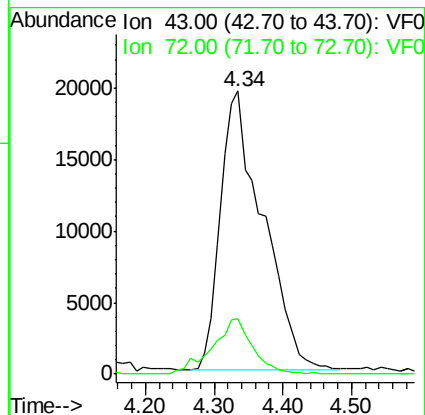
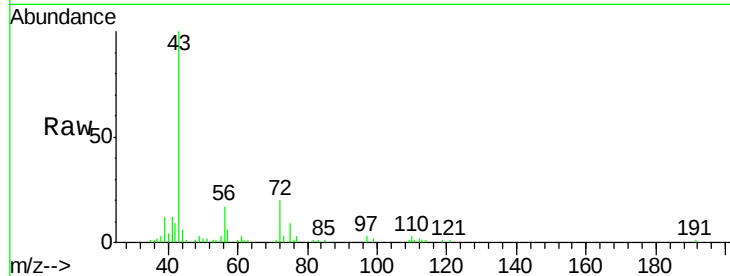
VF0121SBS01

Tot Ion: 43 Resp: 83331

Ion Ratio Lower Upper

43 100

72 19.6 15.8 23.6



#26

2,2-Dichloropropane

Concen: 19.757 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061470.D

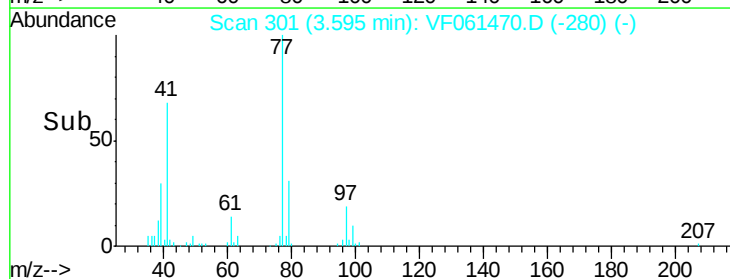
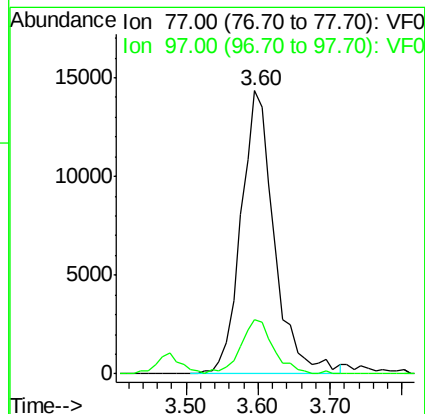
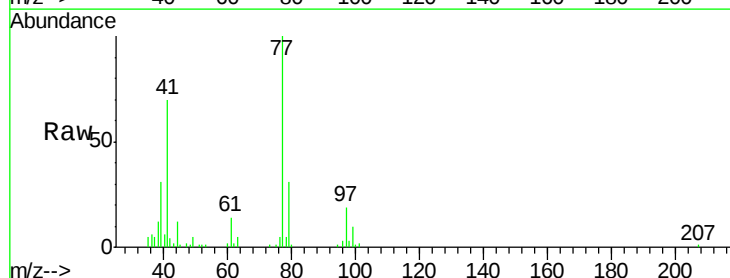
Acq: 21 Jan 2019 13:33

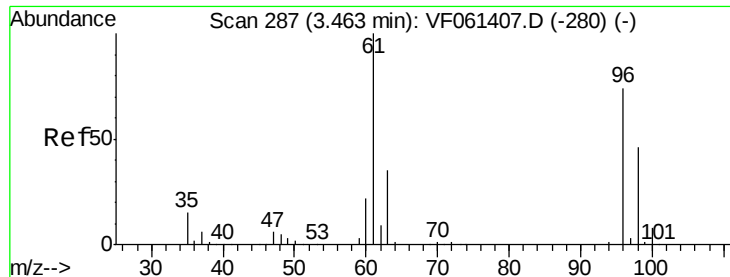
Tgt Ion: 77 Resp: 46212

Ion Ratio Lower Upper

77 100

97 19.3 8.5 25.5



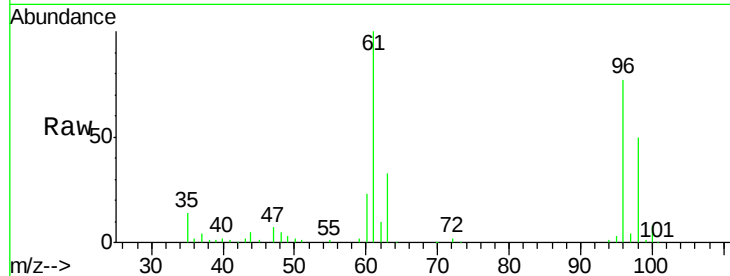


#27

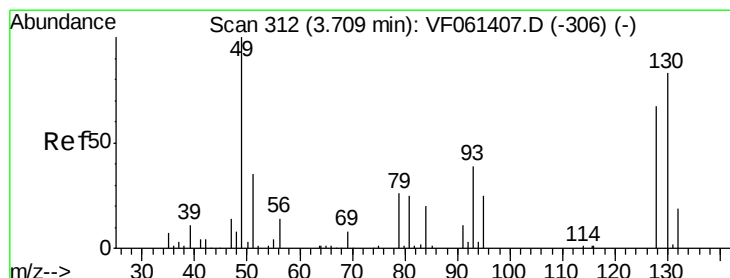
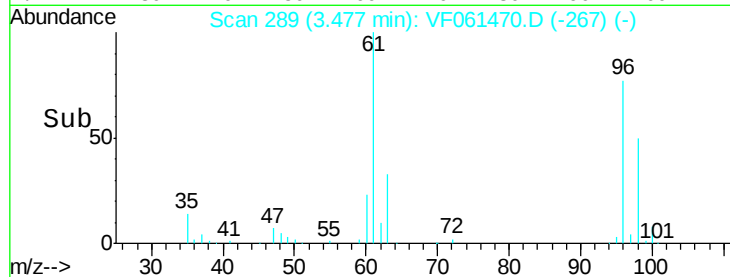
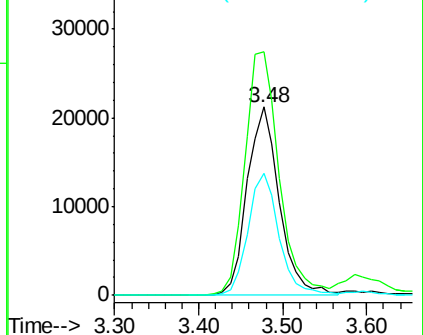
cis-1,2-Dichloroethene
 Concen: 20.692 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Tot Ion: 96 Resp: 57283
 Ion Ratio Lower Upper
 96 100
 61 129.5 0.0 270.2
 98 65.2 0.0 124.0



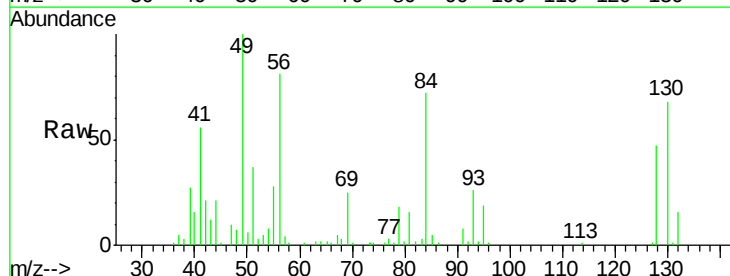
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



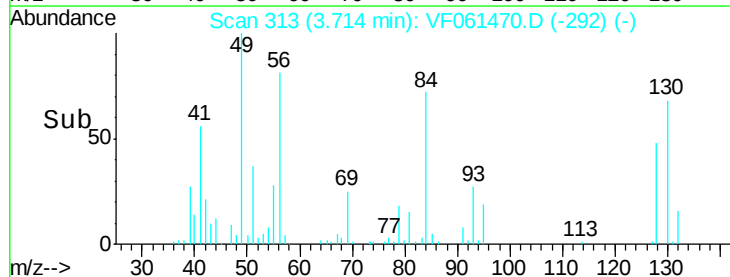
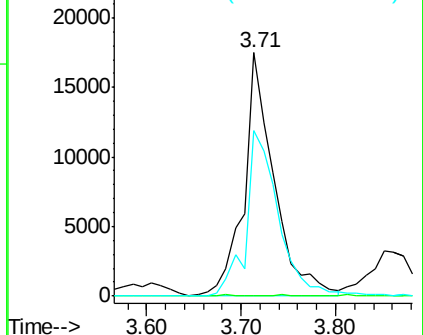
#28

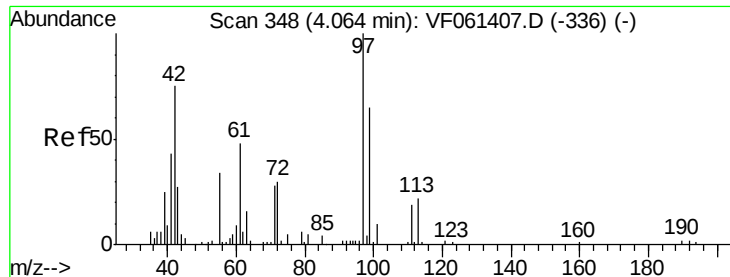
Bromochloromethane
 Concen: 22.550 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion: 49 Resp: 38590
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 67.7 65.4 98.2



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





#29

Tetrahydrofuran

Concen: 91.593 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

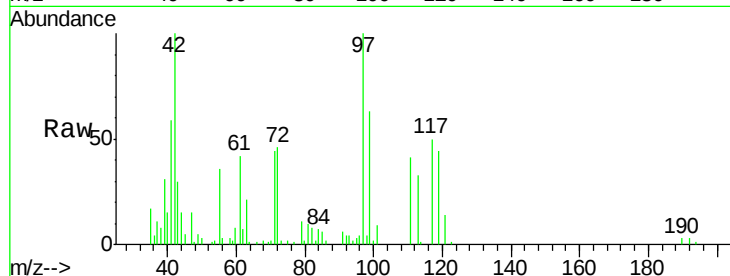
Tot Ion: 42 Resp: 31132

Ion Ratio Lower Upper

42 100

72 39.7 28.9 43.3

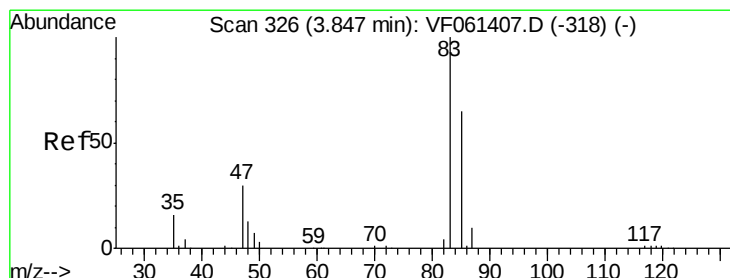
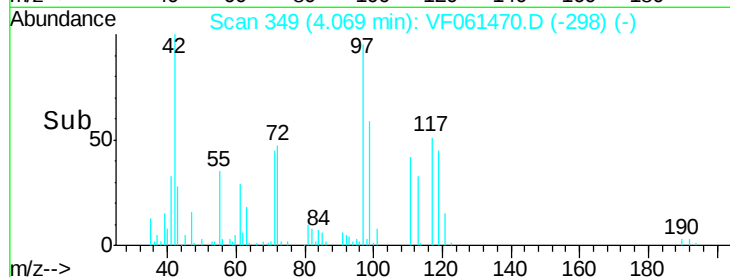
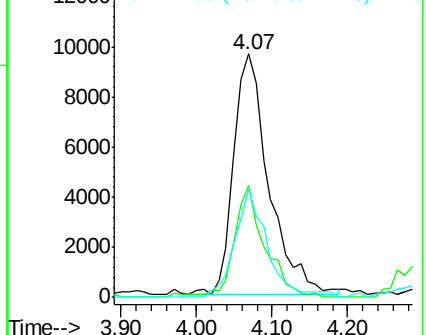
71 41.3 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 20.100 ug/l

RT: 3.86 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF061470.D

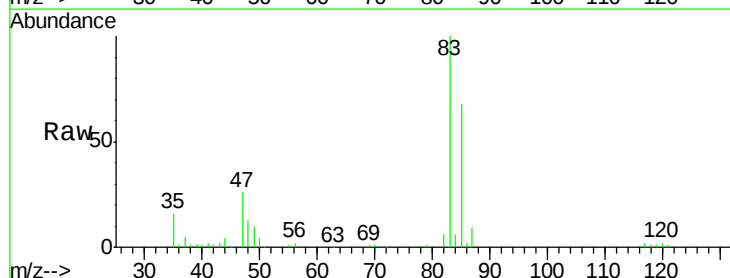
Acq: 21 Jan 2019 13:33

Tgt Ion: 83 Resp: 103269

Ion Ratio Lower Upper

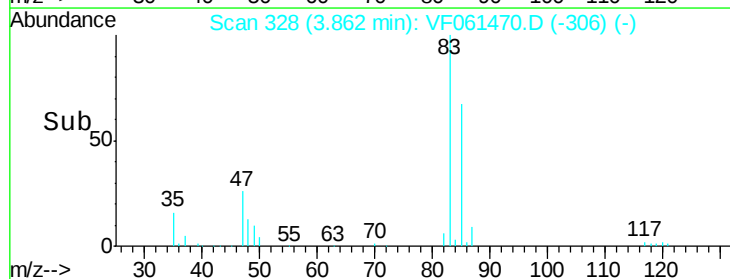
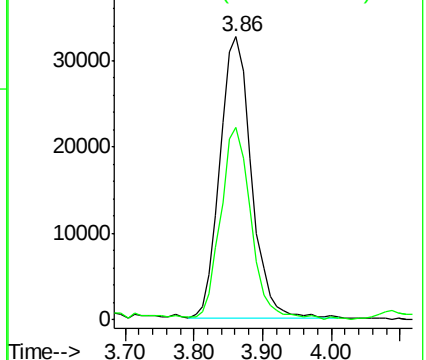
83 100

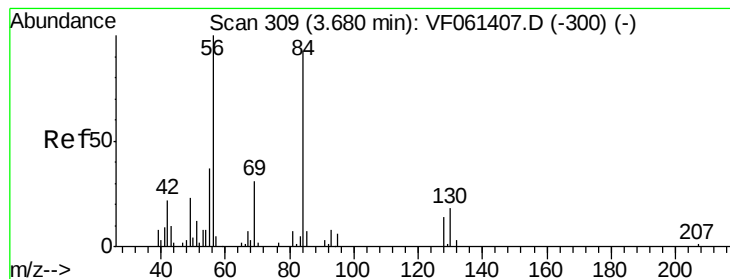
85 68.0 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 8.619 ug/l

RT: 3.69 min Scan# 311

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

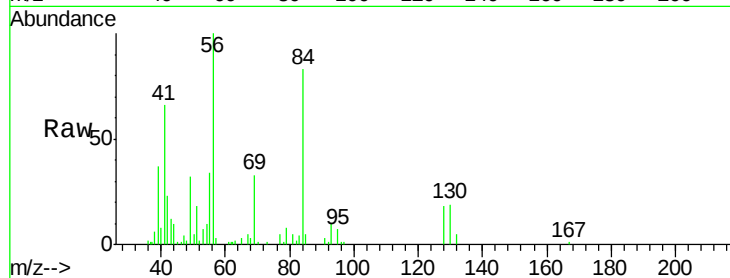
Tot Ion: 56 Resp: 32776

Ion Ratio Lower Upper

56 100

69 32.9 24.6 36.8

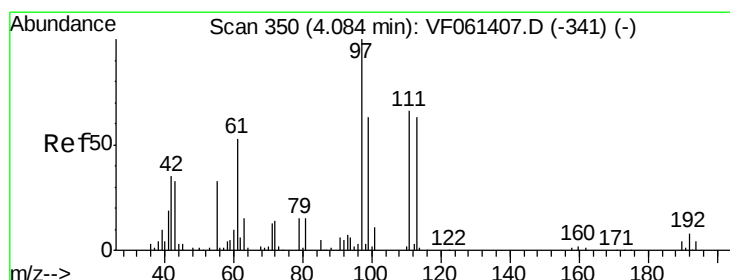
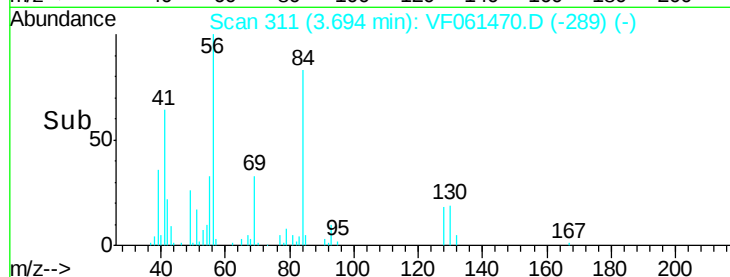
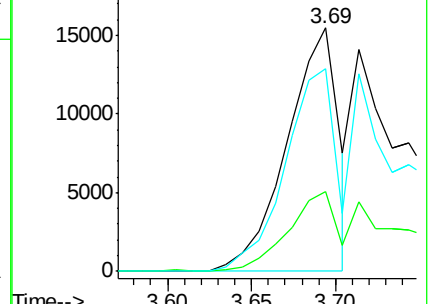
84 83.1 74.2 111.2



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: 19.962 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

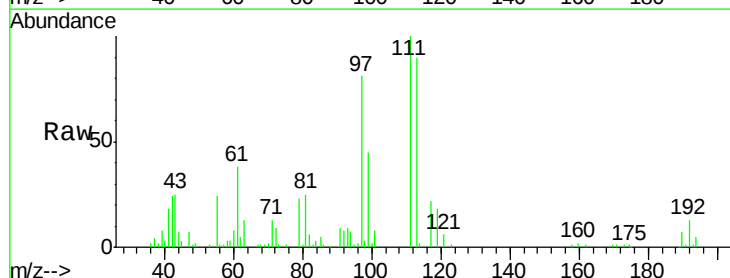
Tgt Ion: 97 Resp: 75201

Ion Ratio Lower Upper

97 100

99 55.6 50.1 75.1

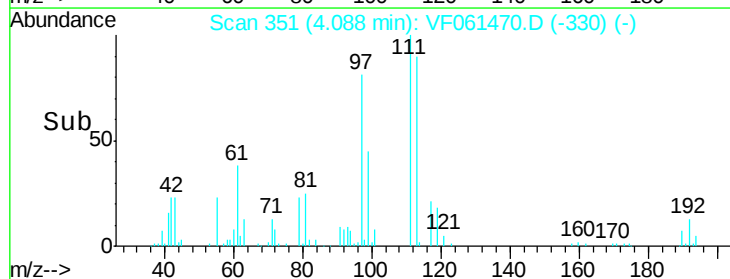
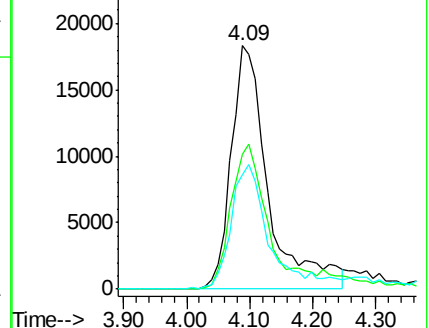
61 47.0 43.1 64.7

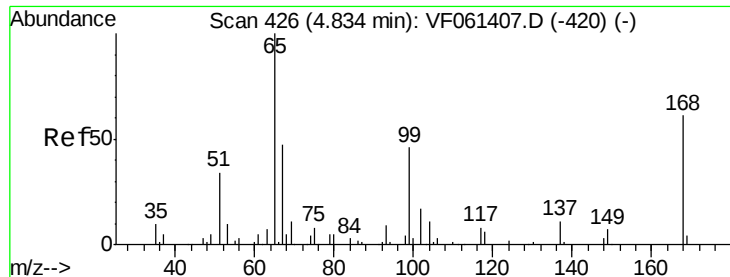


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 51.361 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

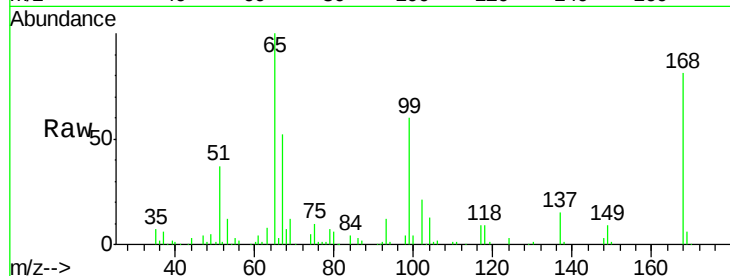
VF0121SBS01

Tot Ion: 65 Resp: 121527

Ion Ratio Lower Upper

65 100

67 51.8 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.85

40000

30000

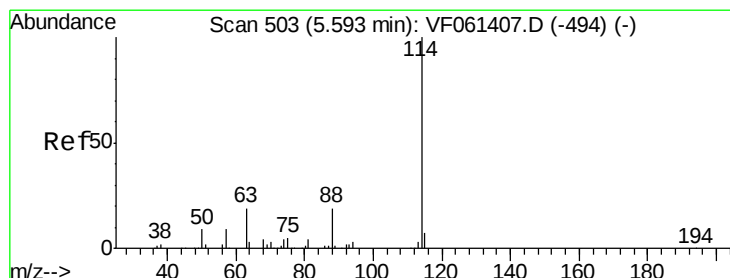
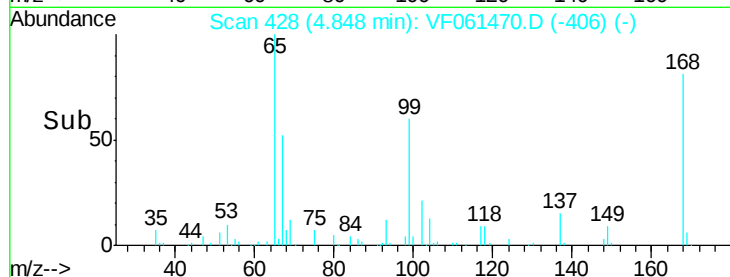
20000

10000

0

Time-->

4.70 4.80 4.90 5.00



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

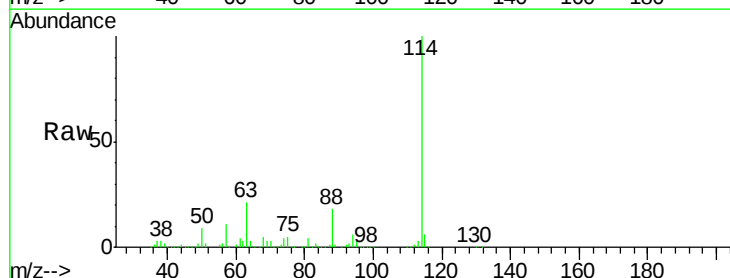
Tgt Ion: 114 Resp: 339866

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

88 18.2 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

150000

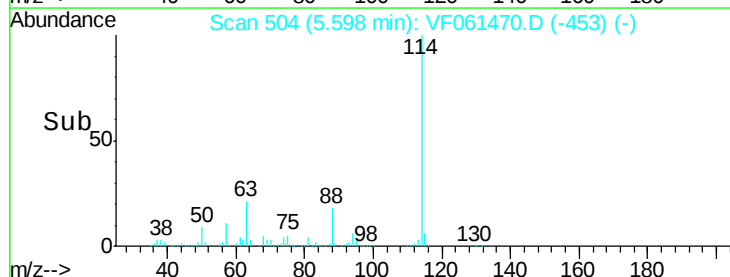
100000

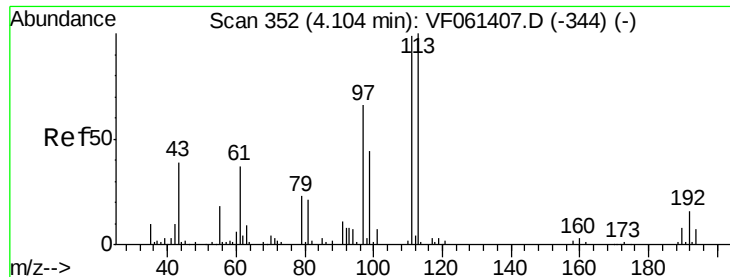
50000

0

Time-->

5.40 5.60 5.80





#35

Dibromofluoromethane

Concen: 52.207 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

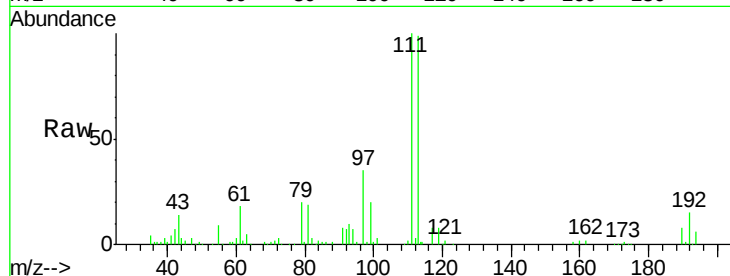
Tot Ion:113 Resp: 140011

Ion Ratio Lower Upper

113 100

111 101.0 79.4 119.0

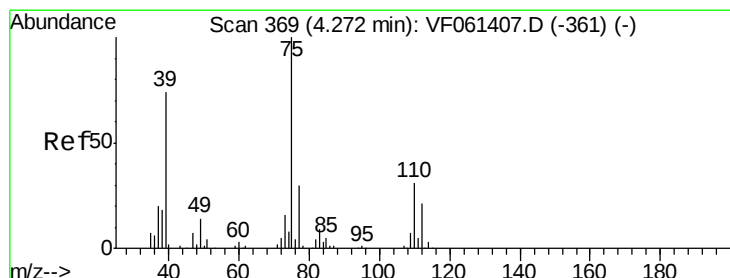
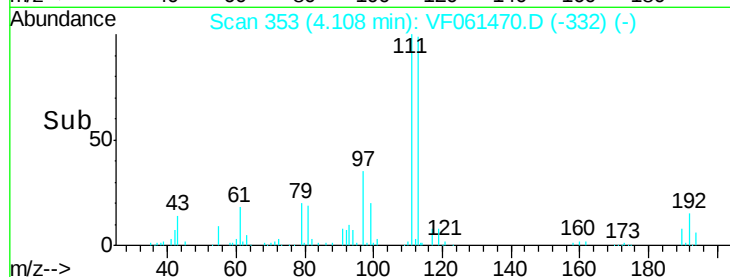
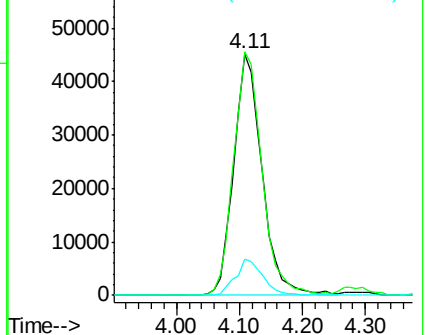
192 15.2 12.4 18.6



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: 19.436 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

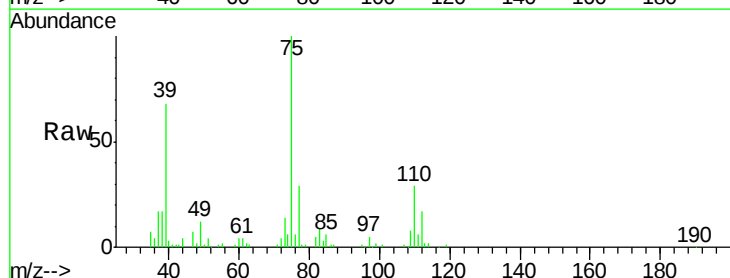
Tgt Ion: 75 Resp: 76590

Ion Ratio Lower Upper

75 100

110 28.7 15.8 47.3

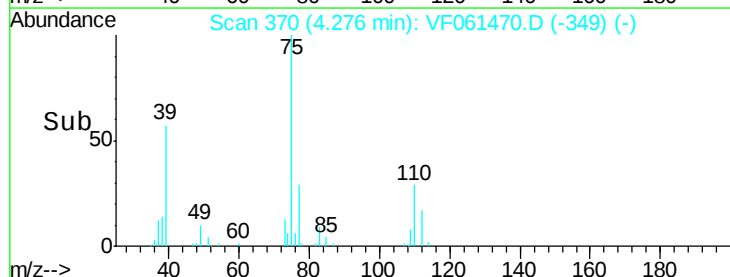
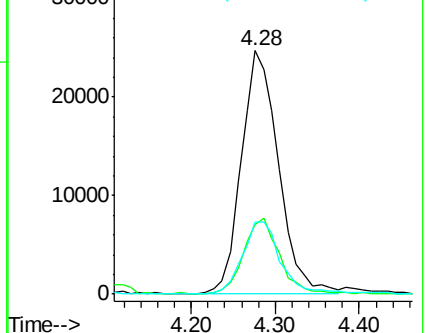
77 29.4 24.0 36.0

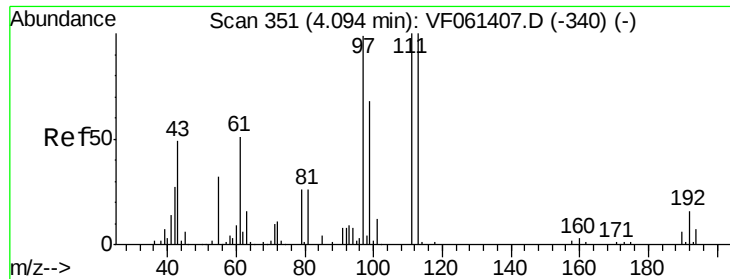


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 17.054 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

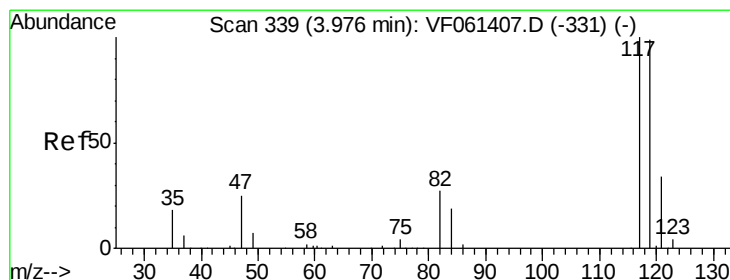
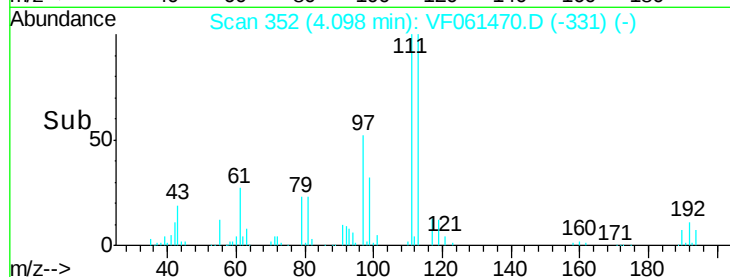
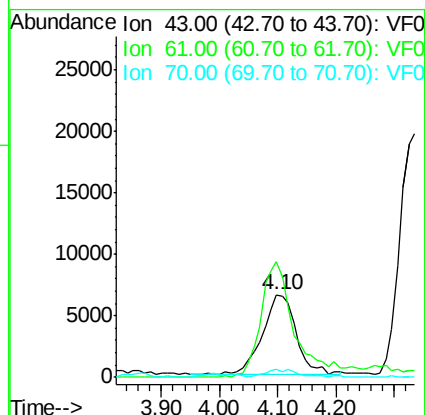
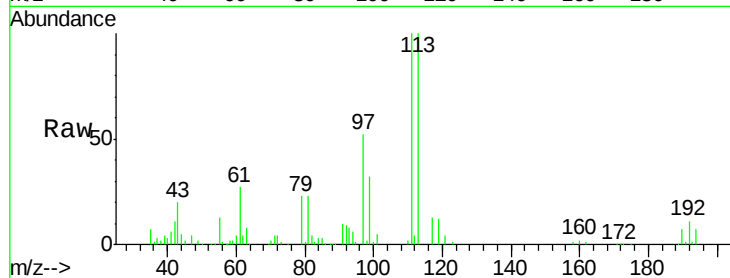
Tot Ion: 43 Resp: 26863

Ion Ratio Lower Upper

43 100

61 139.7 81.7 122.5#

70 10.5 6.2 9.2#



#38

Carbon Tetrachloride

Concen: 18.637 ug/l

RT: 3.99 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

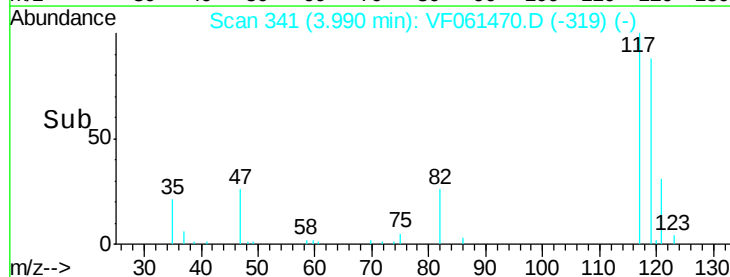
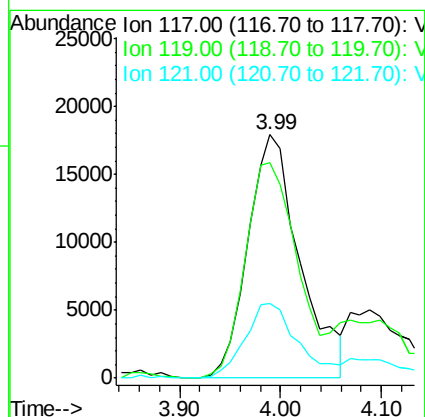
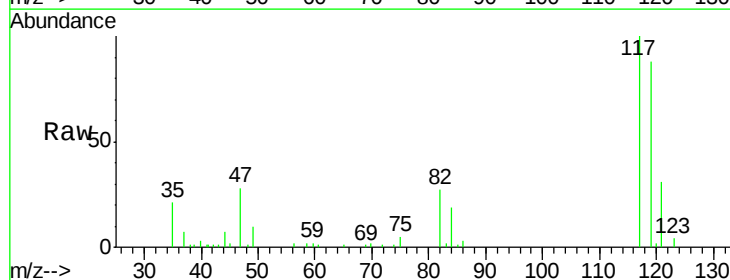
Tgt Ion: 117 Resp: 64203

Ion Ratio Lower Upper

117 100

119 88.5 79.0 118.6

121 30.9 27.0 40.6

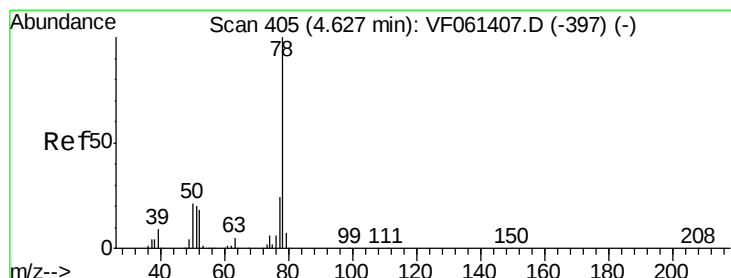
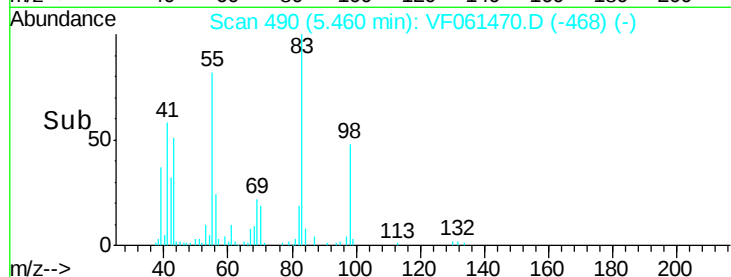
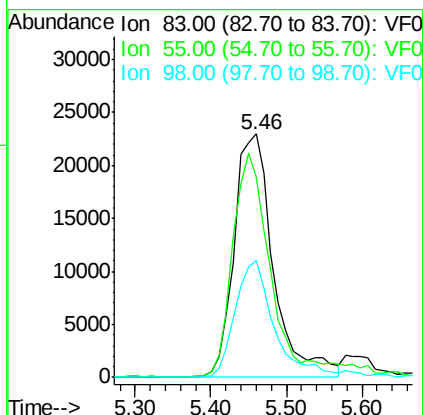
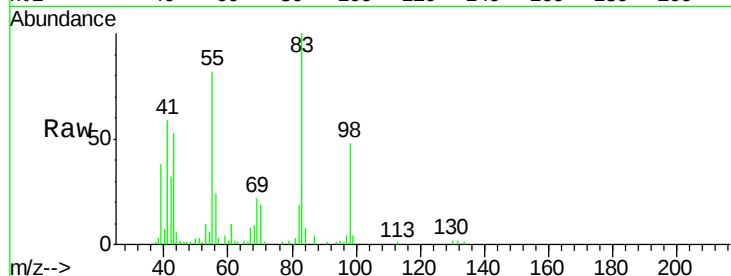




#39
Methvlcvclohexane
Concen: 19.371 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.01 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

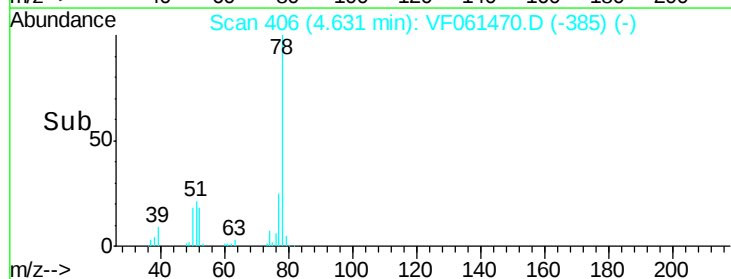
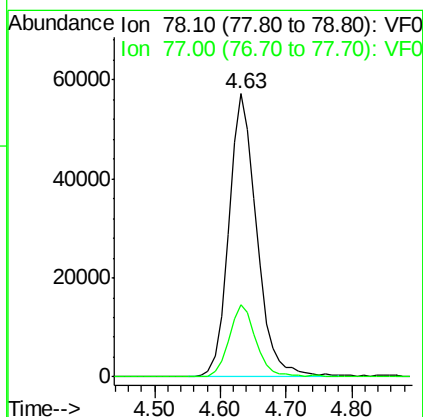
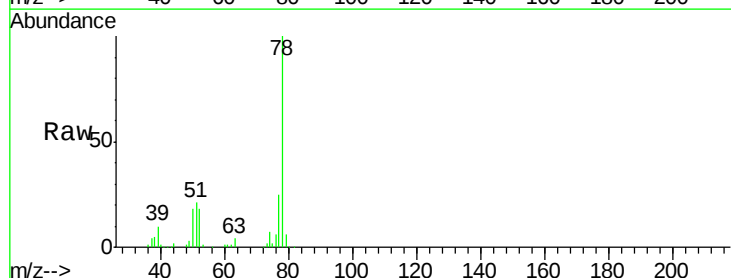
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

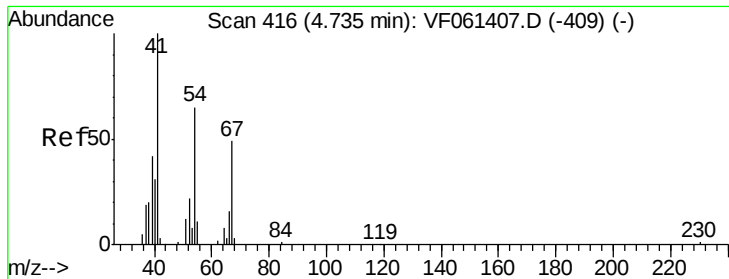
Tot Ion: 83 Resp: 82723
Ion Ratio Lower Upper
83 100
55 82.0 67.4 101.2
98 48.3 36.7 55.1



#40
Benzene
Concen: 19.410 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion: 78 Resp: 170197
Ion Ratio Lower Upper
78 100
77 25.3 19.0 28.6

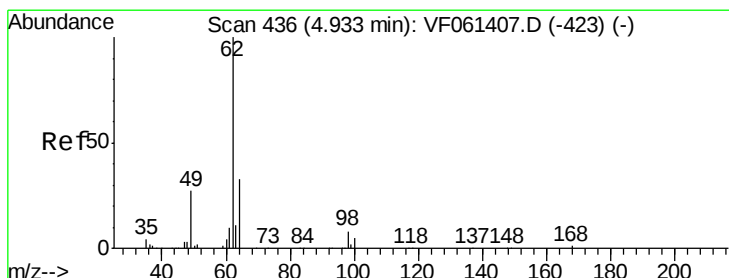
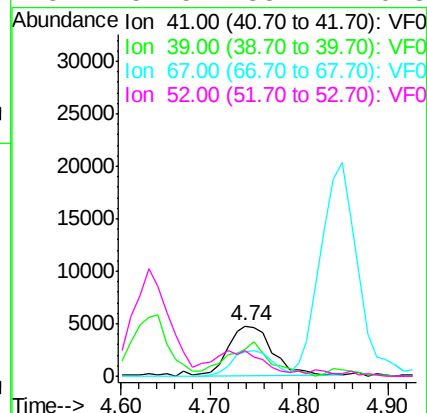
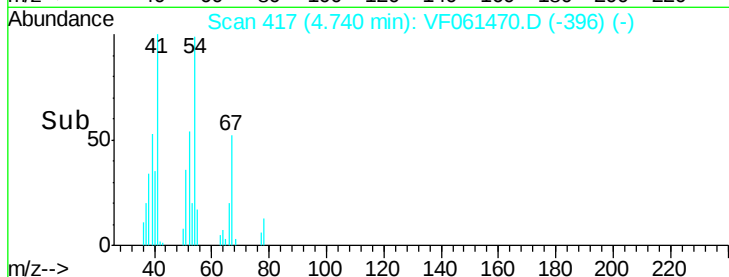
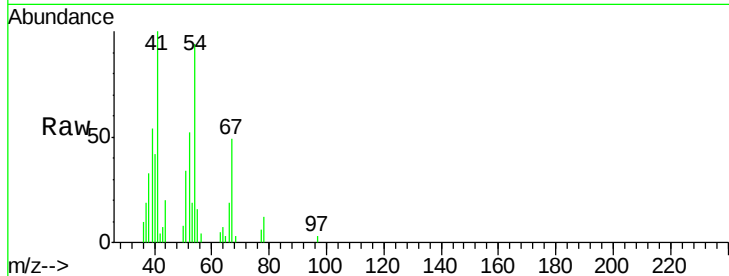




#41
Methacrylonitrile
Concen: 19.211 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

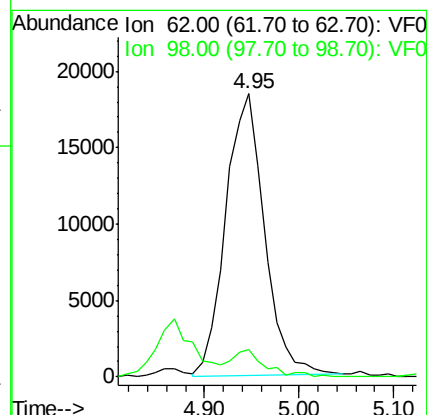
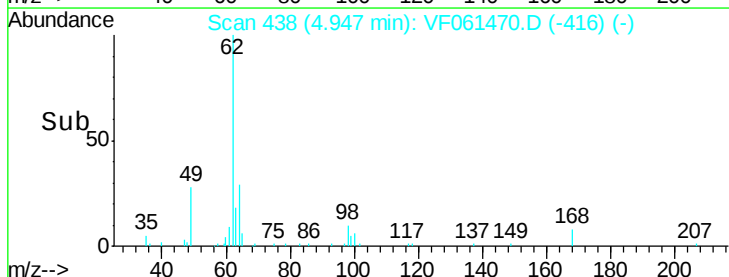
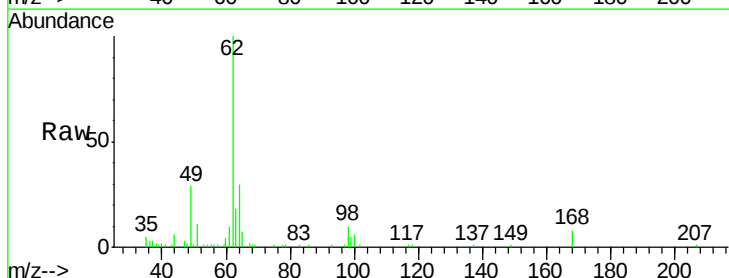
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

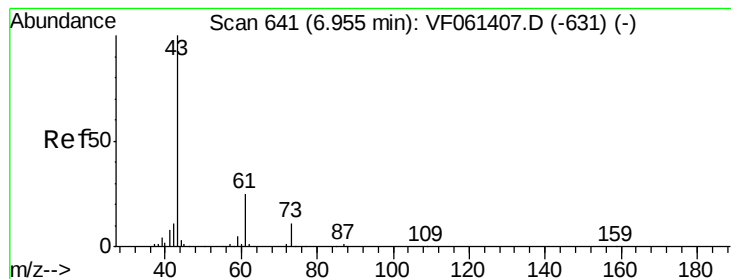
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	43.1	64.7	
67	49.1	38.8	58.2	
52	51.5	33.2	49.8	



#42
1,2-Dichloroethane
Concen: 16.692 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	17.0	



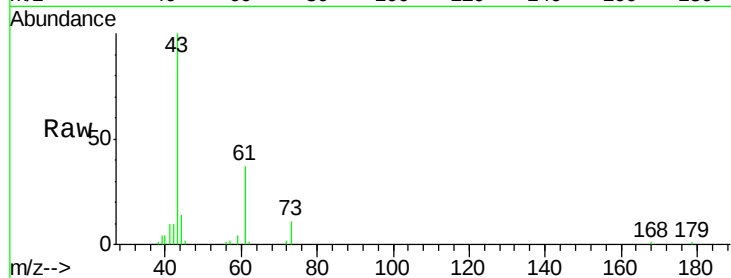


#43

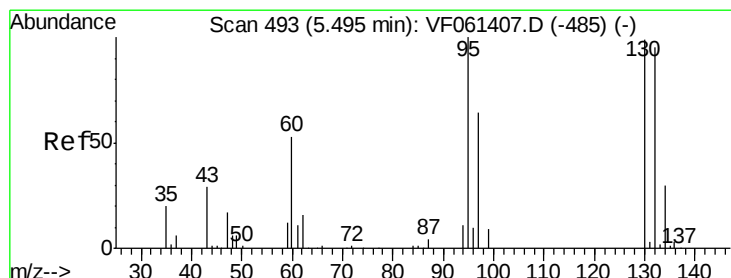
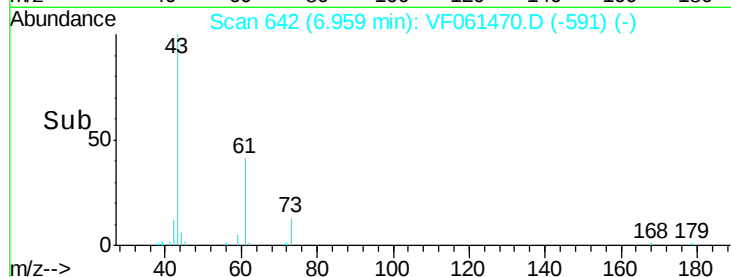
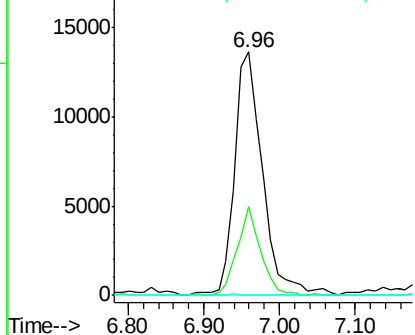
Isopropyl Acetate
 Concen: 17.628 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Tot Ion: 43 Resp: 34850
 Ion Ratio Lower Upper
 43 100
 61 36.7 20.3 30.5#
 87 0.0 0.5 0.7#



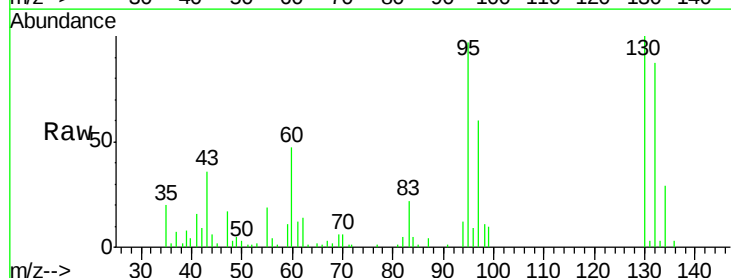
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



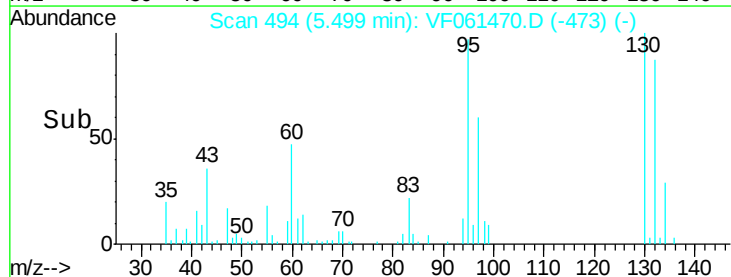
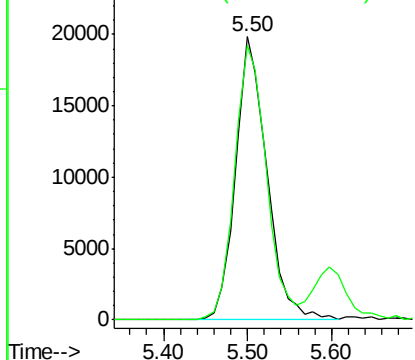
#44

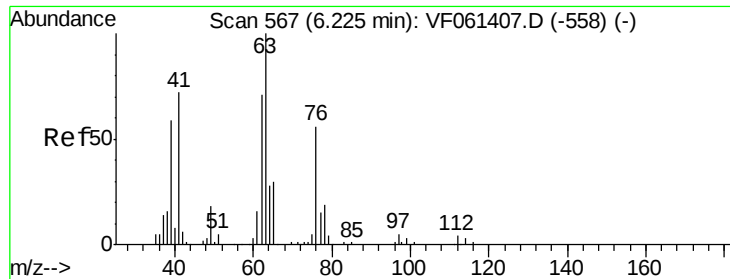
Trichloroethene
 Concen: 19.097 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion:130 Resp: 51369
 Ion Ratio Lower Upper
 130 100
 95 96.9 0.0 202.8



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 19.410 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

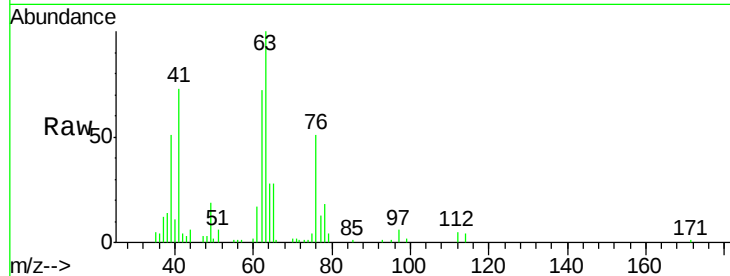
VF0121SBS01

Tot Ion: 63 Resp: 44669

Ion Ratio Lower Upper

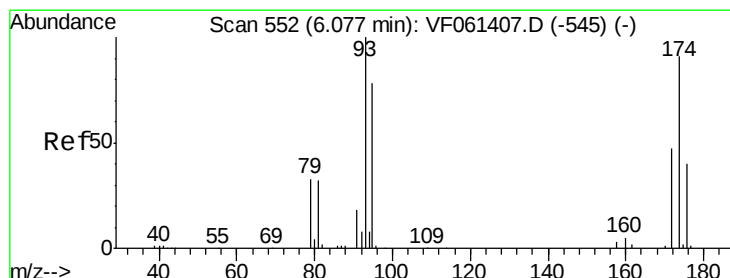
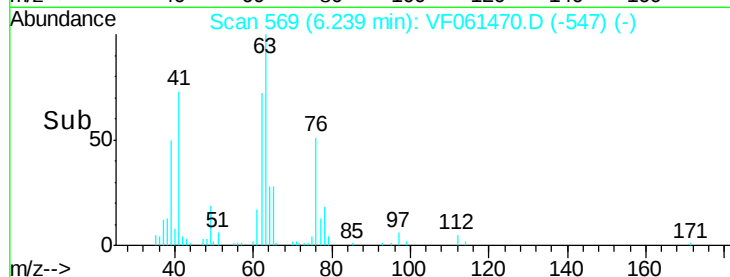
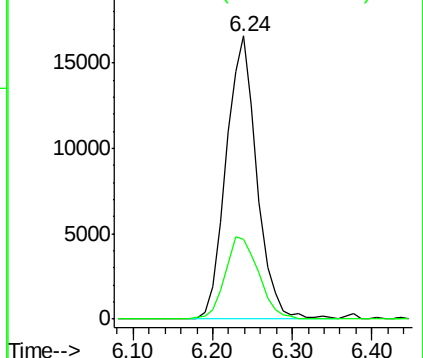
63 100

65 28.4 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 16.648 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

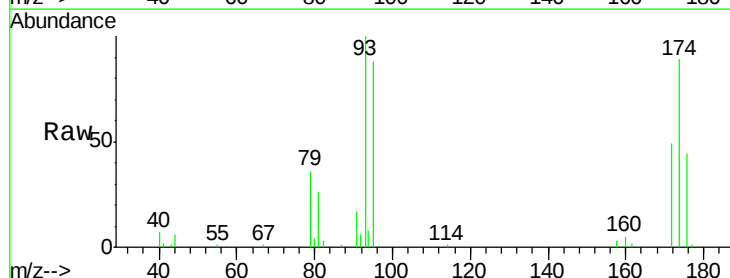
Tgt Ion: 93 Resp: 25475

Ion Ratio Lower Upper

93 100

95 88.1 62.1 93.1

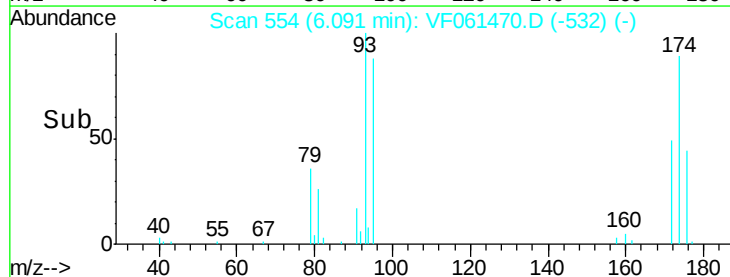
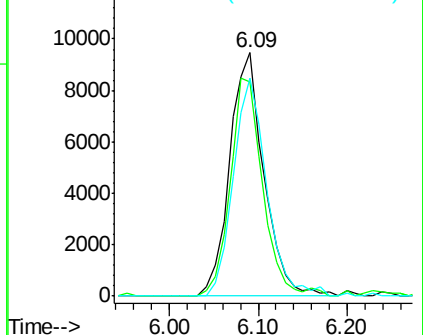
174 89.4 74.6 111.8



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 18.237 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

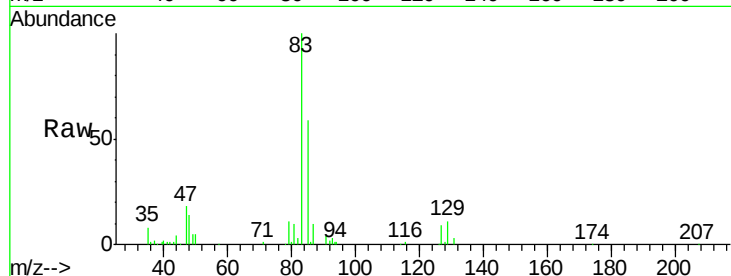
Tot Ion: 83 Resp: 69047

Ion Ratio Lower Upper

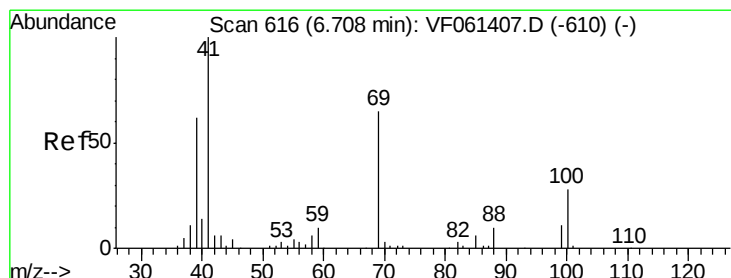
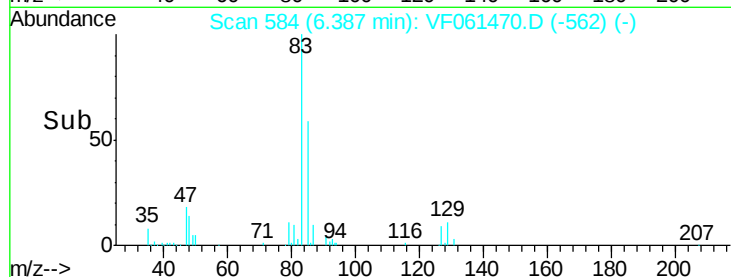
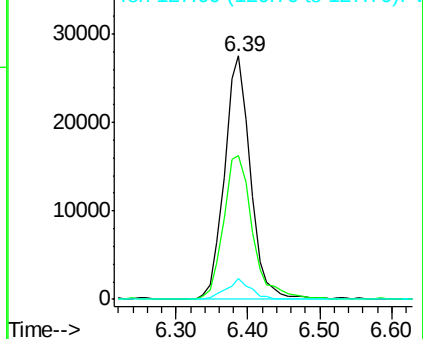
83 100

85 59.1 53.0 79.4

127 8.6 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 16.466 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

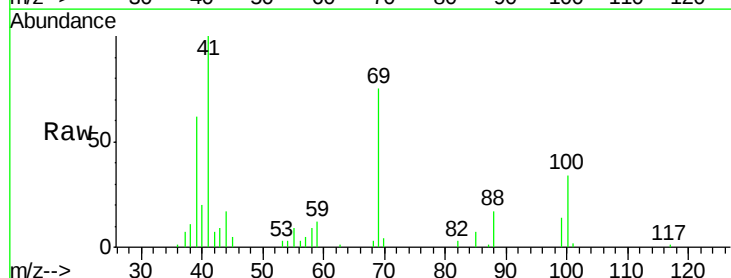
Tgt Ion: 41 Resp: 21859

Ion Ratio Lower Upper

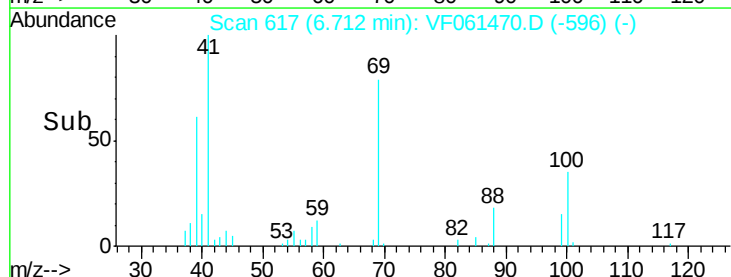
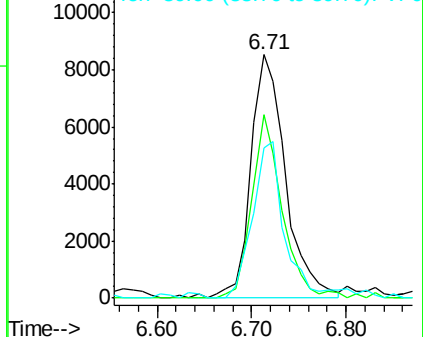
41 100

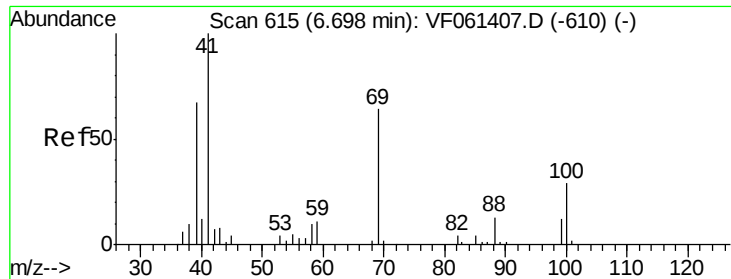
69 75.4 51.7 77.5

39 61.8 49.2 73.8



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 402.945 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

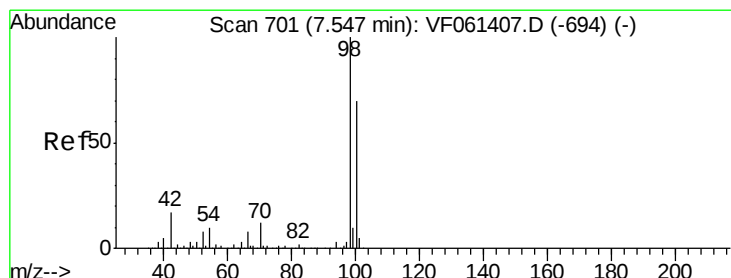
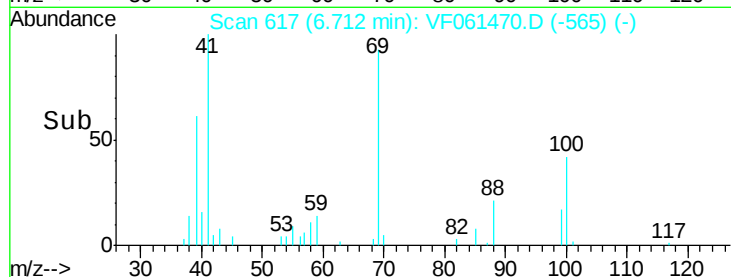
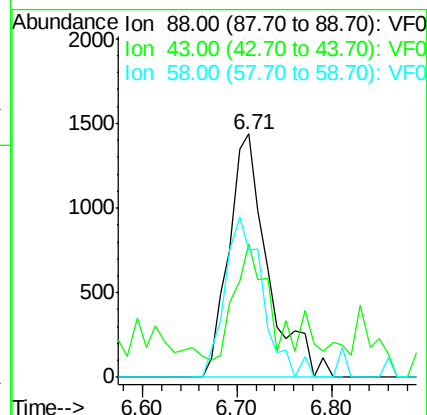
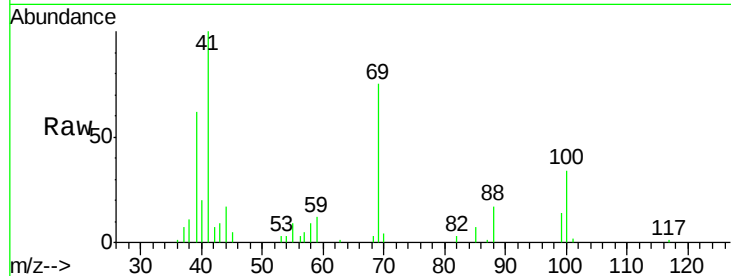
Tot Ion: 88 Resp: 4118

Ion Ratio Lower Upper

88 100

43 54.9 55.5 83.3#

58 52.1 59.9 89.9#



#50

Toluene-d8

Concen: 48.765 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061470.D

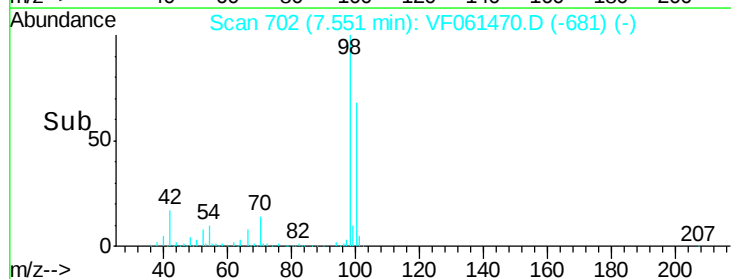
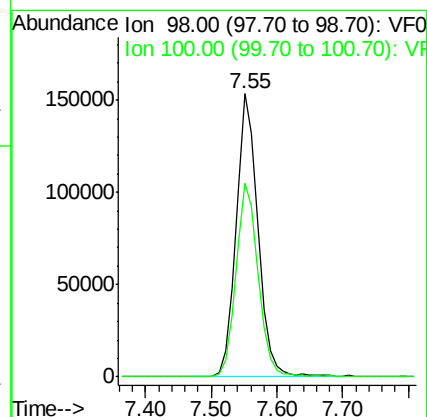
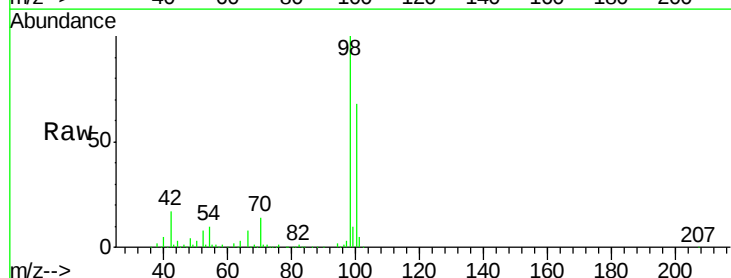
Acq: 21 Jan 2019 13:33

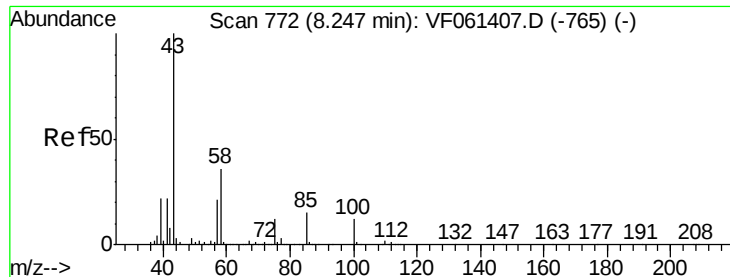
Tgt Ion: 98 Resp: 358312

Ion Ratio Lower Upper

98 100

100 68.4 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 92.645 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

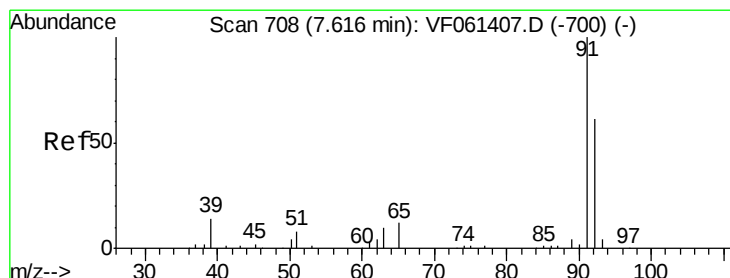
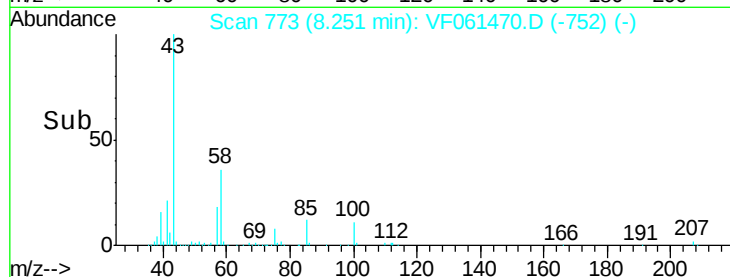
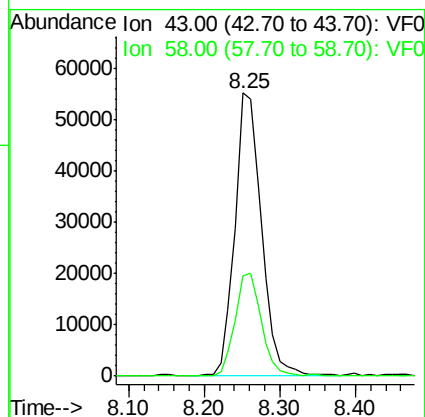
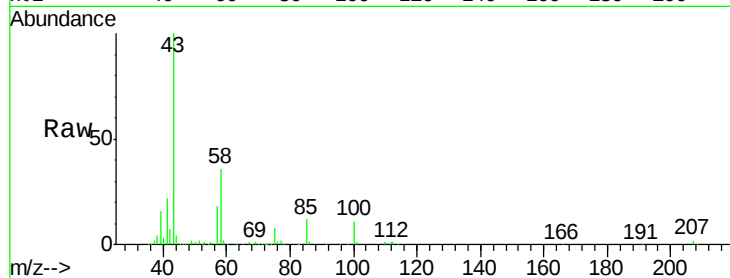
VF0121SBS01

Tot Ion: 43 Resp: 134648

Ion Ratio Lower Upper

43 100

58 35.6 28.8 43.2



#52

Toluene

Concen: 18.479 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061470.D

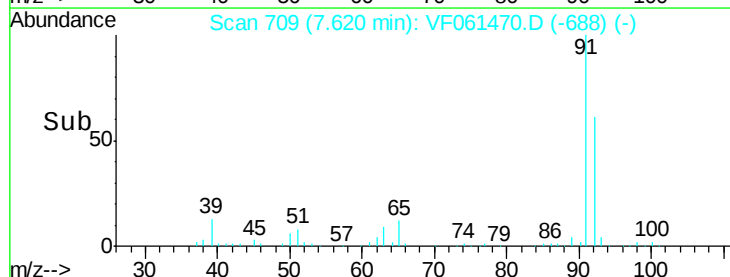
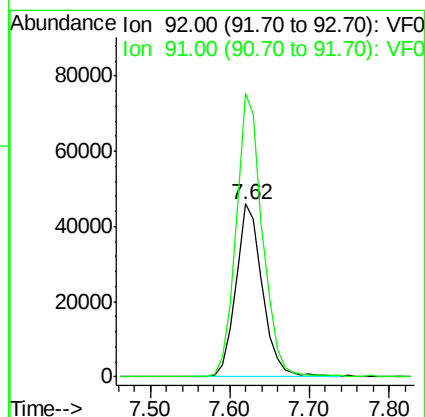
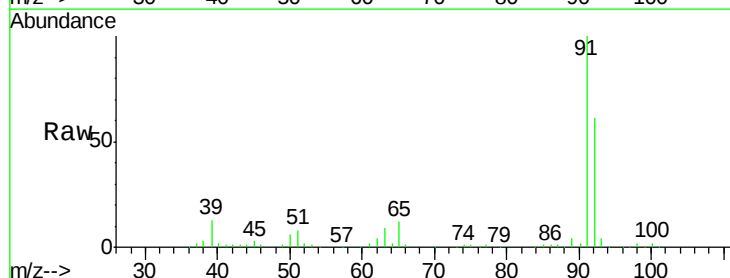
Acq: 21 Jan 2019 13:33

Tgt Ion: 92 Resp: 106703

Ion Ratio Lower Upper

92 100

91 163.8 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 18.071 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

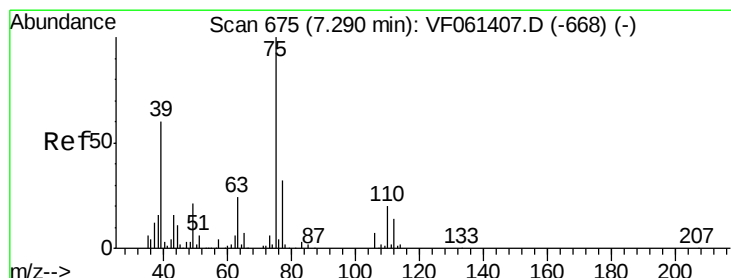
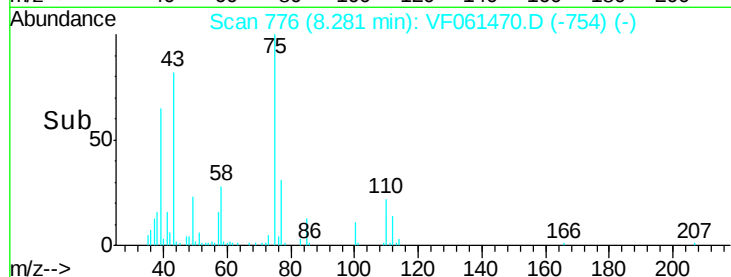
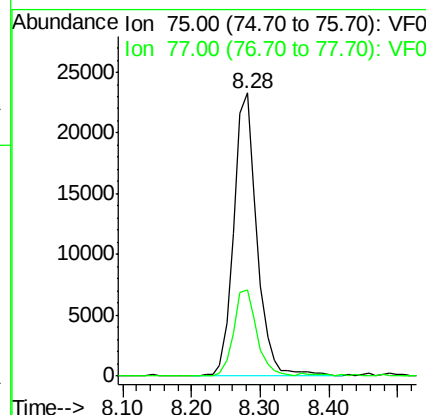
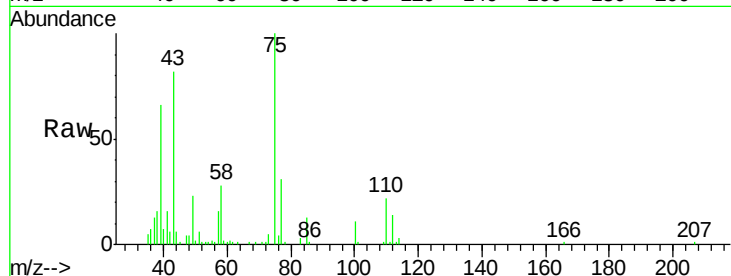
VF0121SBS01

Tot Ion: 75 Resp: 54327

Ion Ratio Lower Upper

75 100

77 30.6 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 18.629 ug/l

RT: 7.30 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

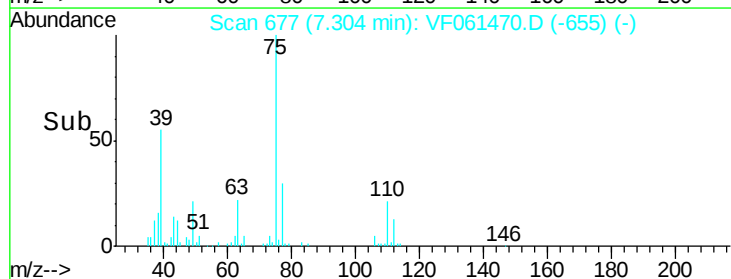
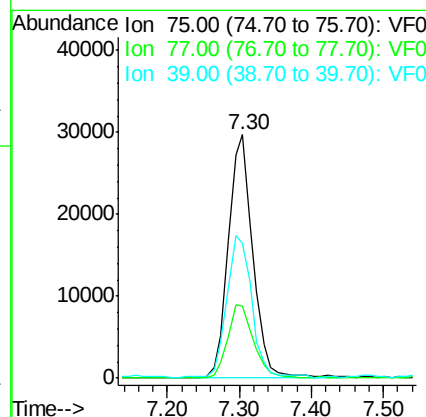
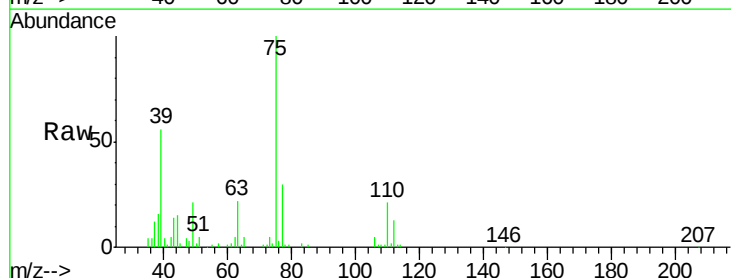
Tgt Ion: 75 Resp: 70006

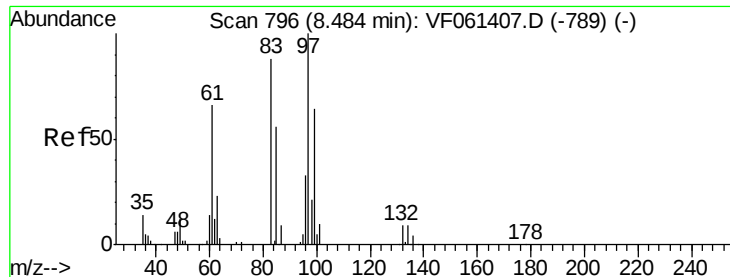
Ion Ratio Lower Upper

75 100

77 29.6 25.4 38.0

39 55.5 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 17.810 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

Tot Ion: 97 Resp: 29204

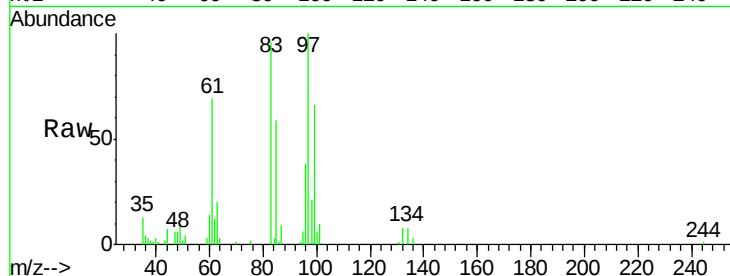
Ion Ratio Lower Upper

97 100

83 96.1 70.4 105.6

85 58.7 44.7 67.1

99 66.2 50.8 76.2

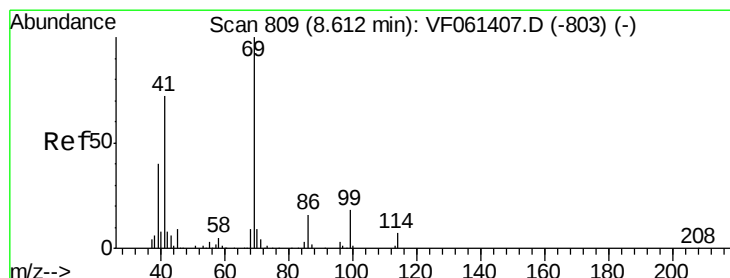
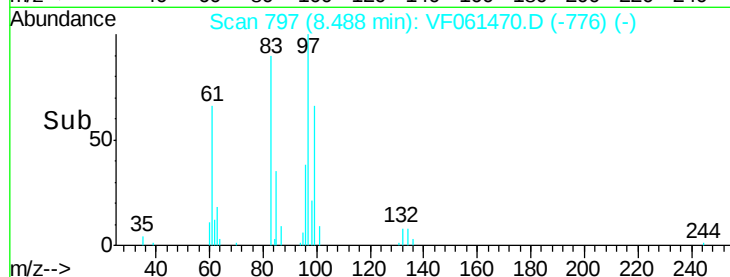
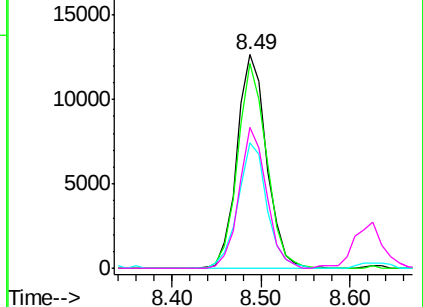


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 16.999 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

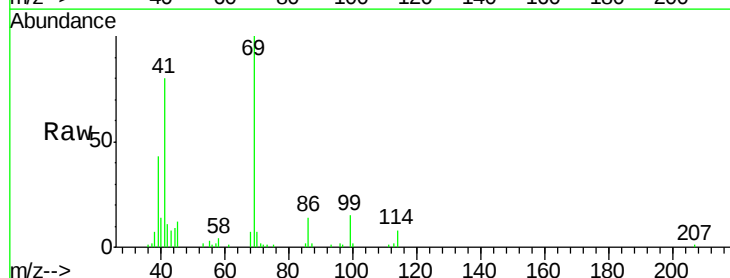
Tgt Ion: 69 Resp: 32430

Ion Ratio Lower Upper

69 100

41 80.1 57.5 86.3

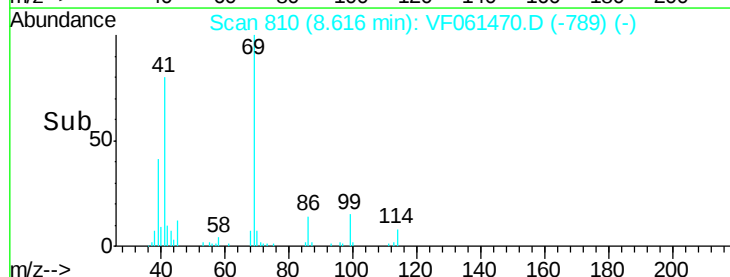
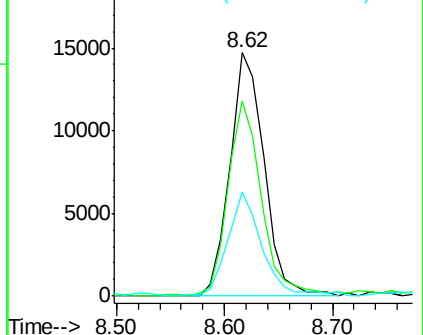
39 43.0 32.0 48.0

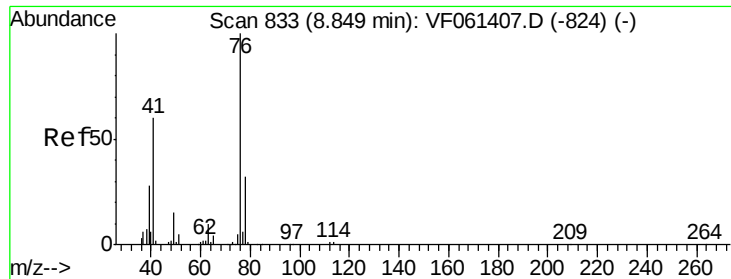


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 17.871 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

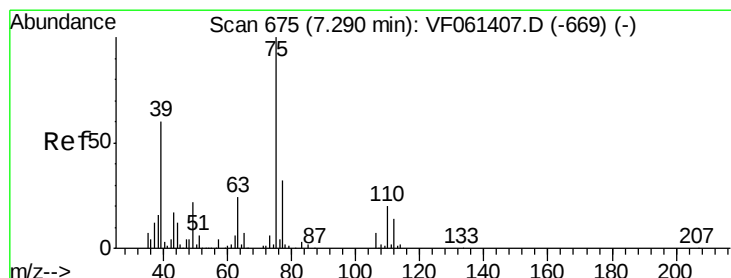
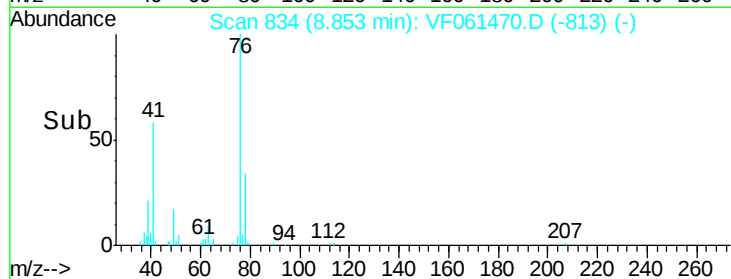
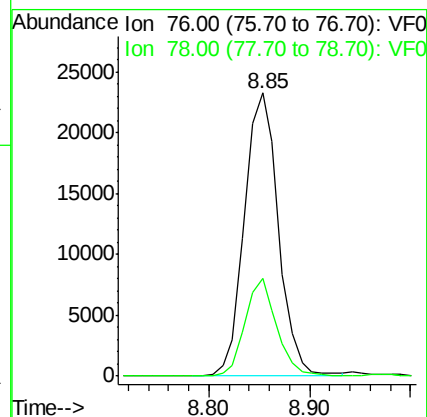
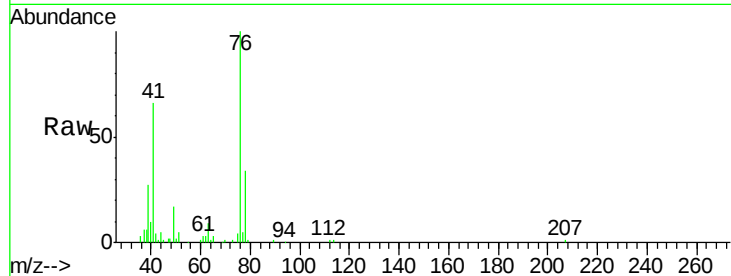
VF0121SBS01

Tot Ion: 76 Resp: 54925

Ion Ratio Lower Upper

76 100

78 34.5 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 103.446 ug/l

RT: 7.29 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061470.D

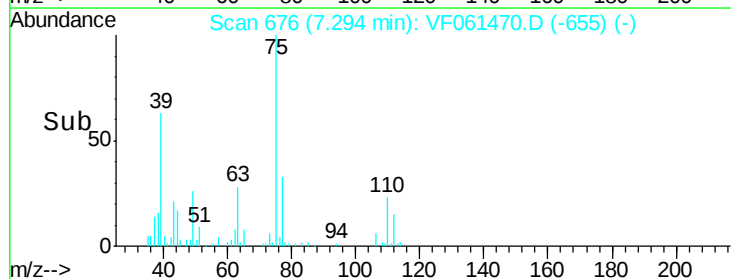
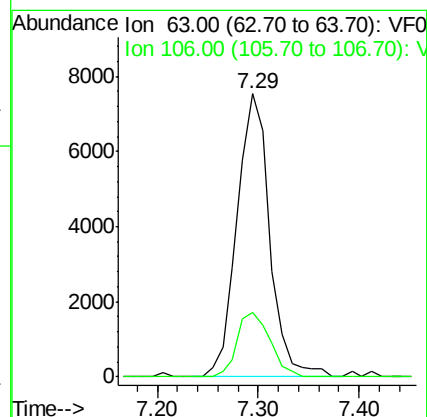
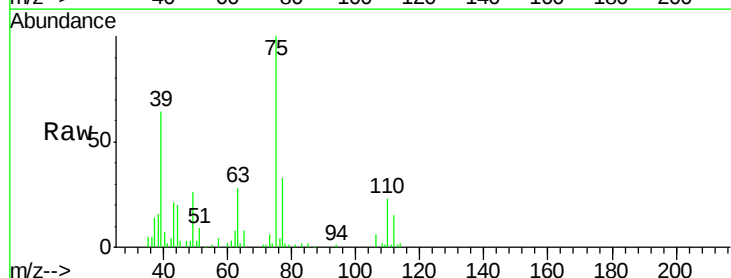
Acq: 21 Jan 2019 13:33

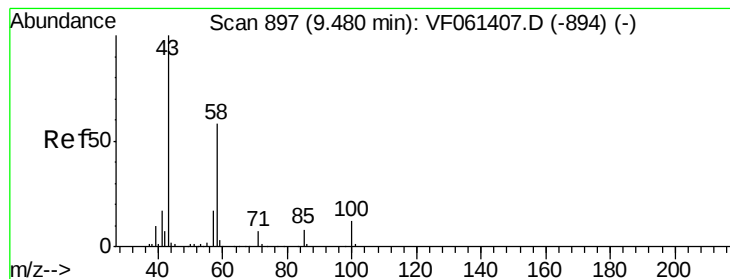
Tgt Ion: 63 Resp: 17068

Ion Ratio Lower Upper

63 100

106 22.9 21.9 32.9





#59

2-Hexanone

Concen: 104.035 ug/l

RT: 9.49 min Scan# 899

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

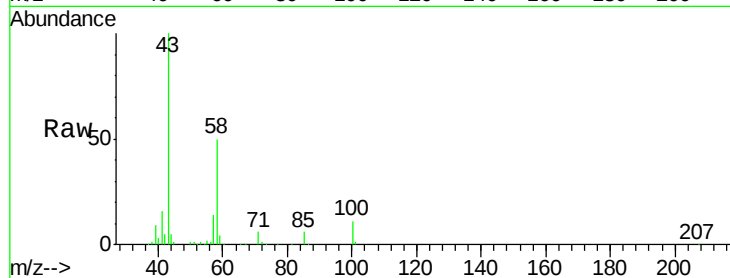
VF0121SBS01

Tot Ion: 43 Resp: 105436

Ion Ratio Lower Upper

43 100

58 50.4 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.49

50000

40000

30000

20000

10000

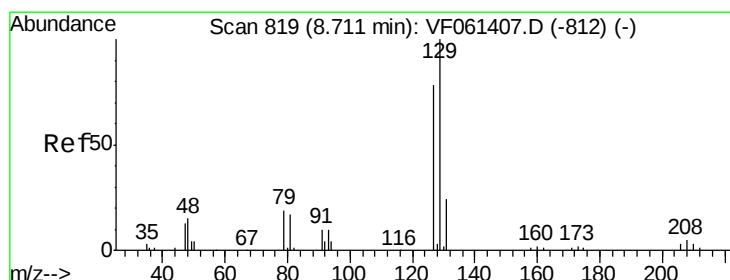
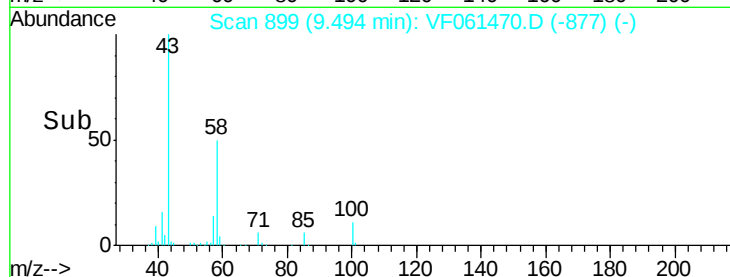
0

Time-->

9.40

9.50

9.60



#60

Dibromochloromethane

Concen: 17.268 ug/l

RT: 8.71 min Scan# 820

Delta R.T. 0.00 min

Lab File: VF061470.D

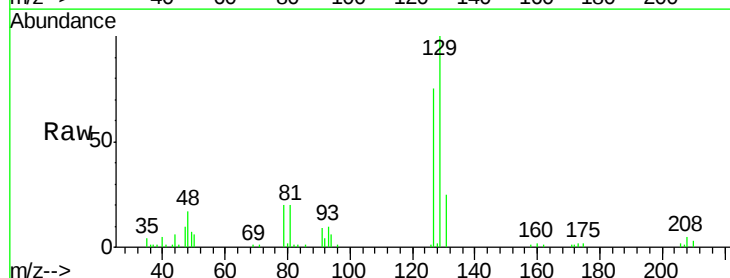
Acq: 21 Jan 2019 13:33

Tgt Ion:129 Resp: 41395

Ion Ratio Lower Upper

129 100

127 74.8 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.71

20000

15000

10000

5000

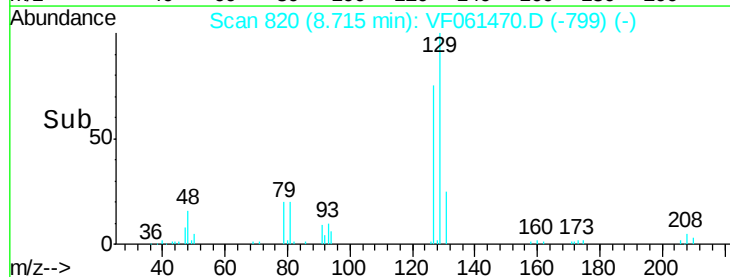
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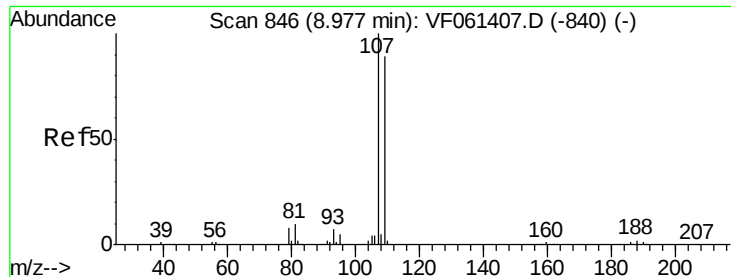
Time-->

8.60

8.70

8.80





#61

1,2-Dibromoethane

Concen: 16.766 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

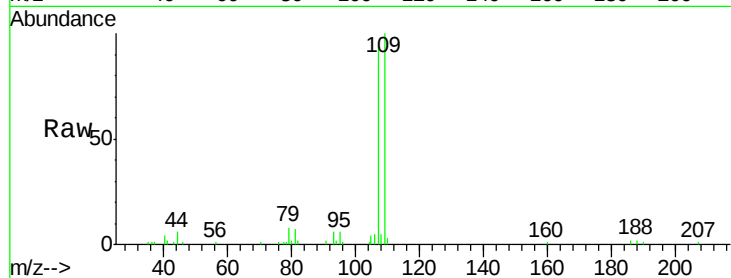
VF0121SBS01

Tot Ion:107 Resp: 31473

Ion Ratio Lower Upper

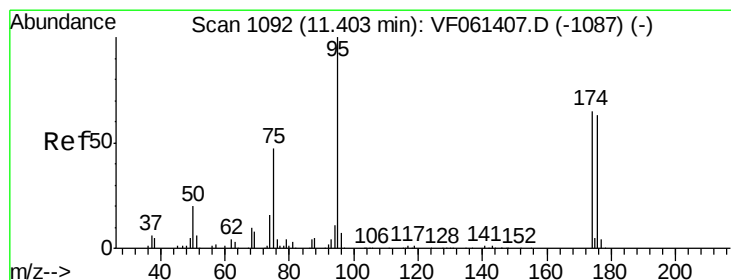
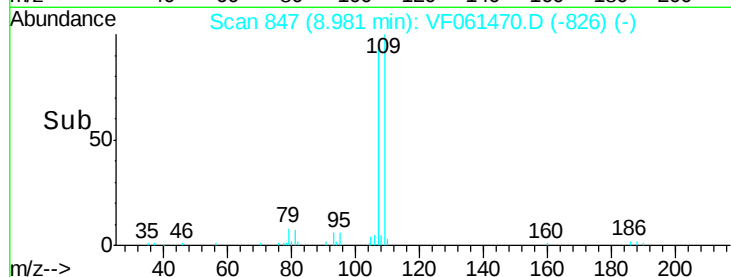
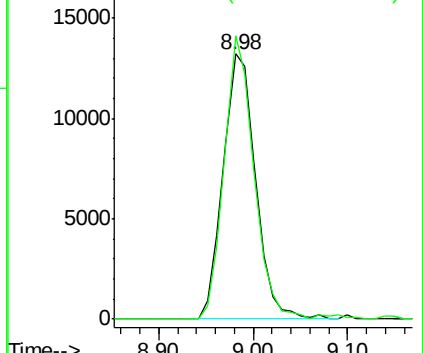
107 100

109 106.7 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: 49.776 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

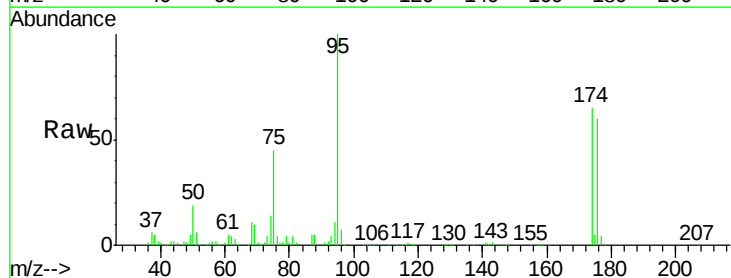
Tgt Ion: 95 Resp: 170886

Ion Ratio Lower Upper

95 100

174 64.7 0.0 130.4

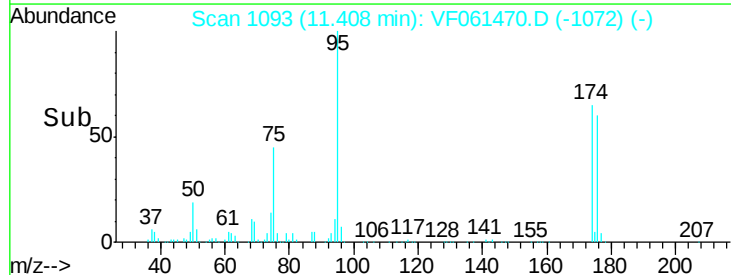
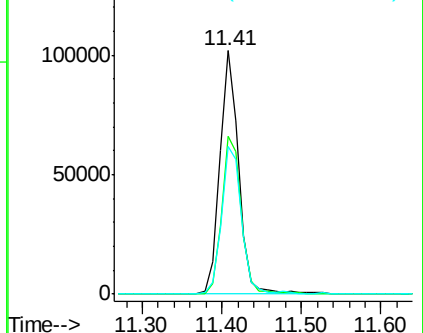
176 60.4 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

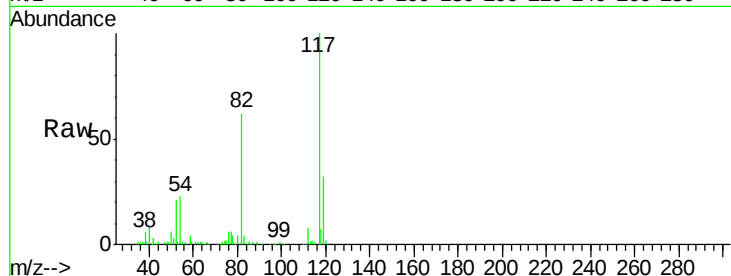
Tot Ion:117 Resp: 310217

Ion Ratio Lower Upper

117 100

82 61.7 46.4 69.6

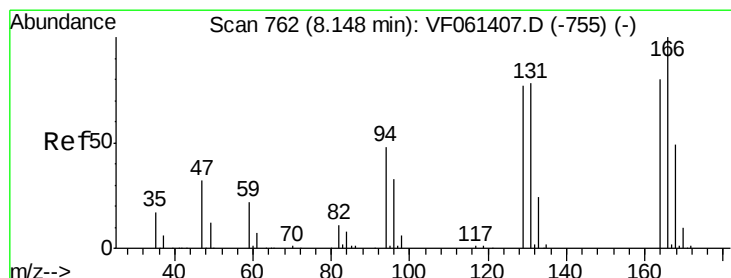
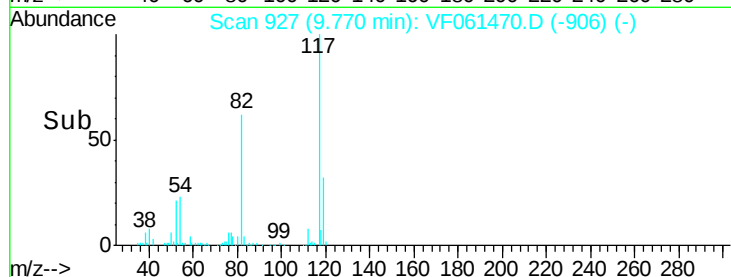
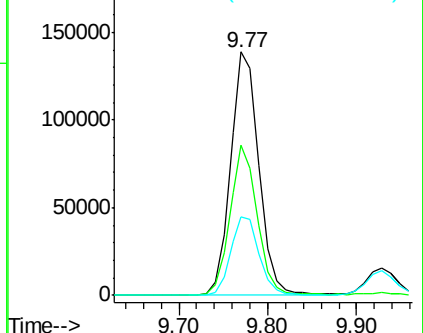
119 32.4 27.2 40.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 18.341 ug/l

RT: 8.15 min Scan# 763

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion:164 Resp: 42786

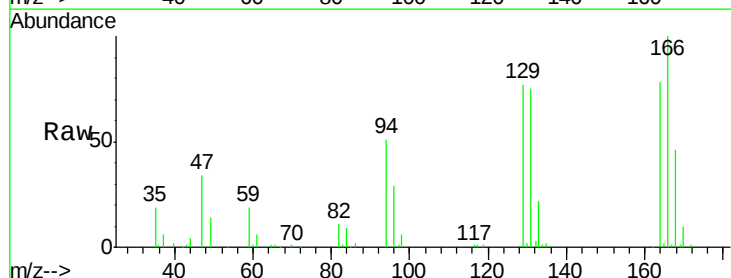
Ion Ratio Lower Upper

164 100

166 128.3 99.6 149.4

129 99.0 76.4 114.6

131 96.3 77.9 116.9

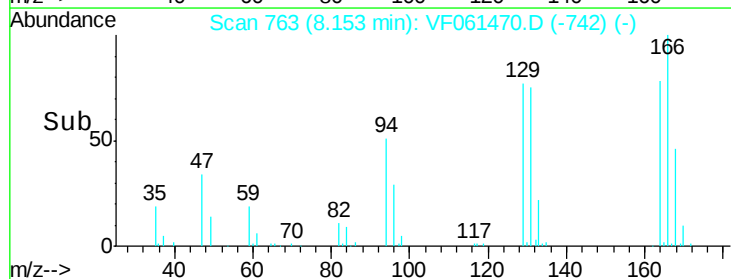
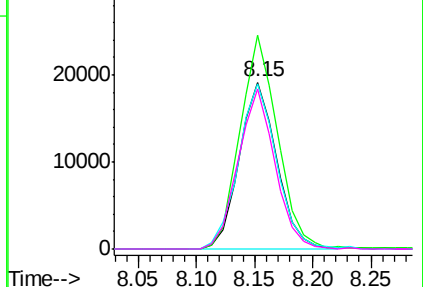


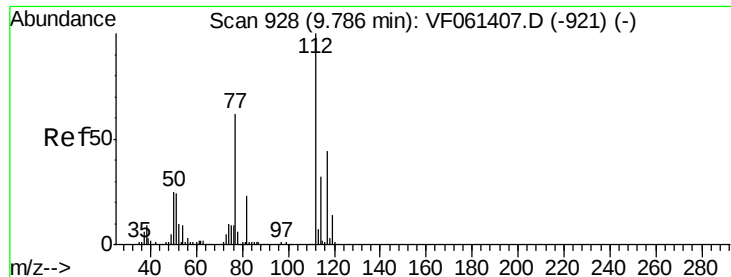
Abundance Ion 163.85 (163.55 to 164.55): V

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

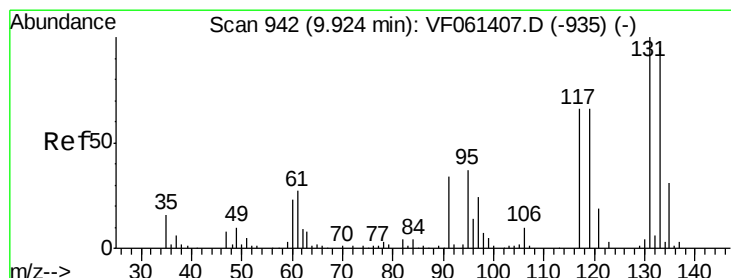
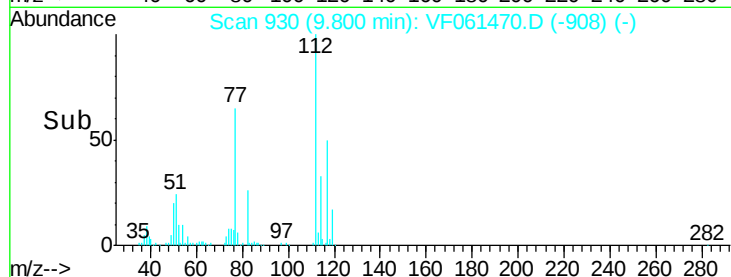
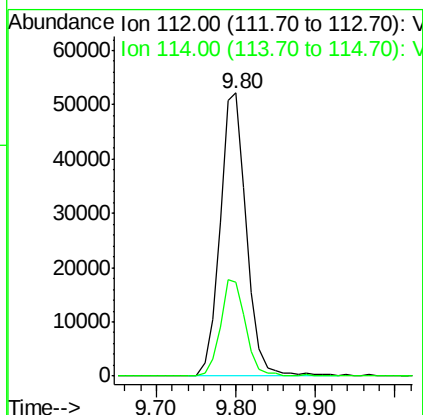
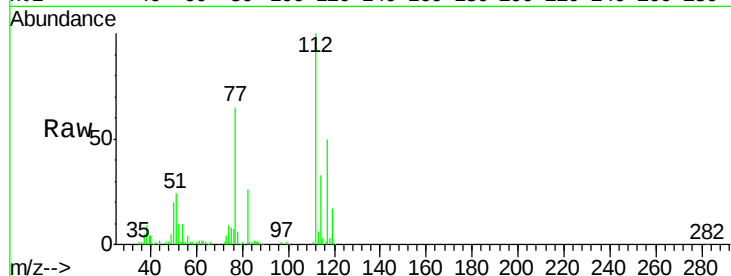




#65
Chlorobenzene
Concen: 19.297 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

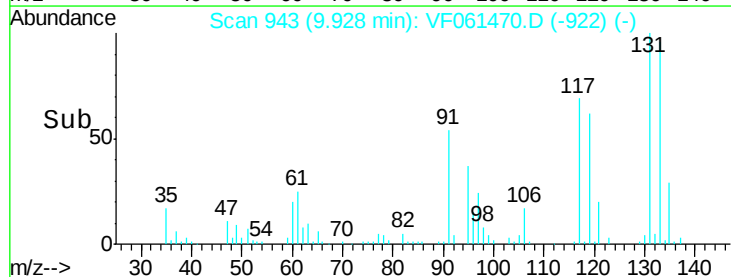
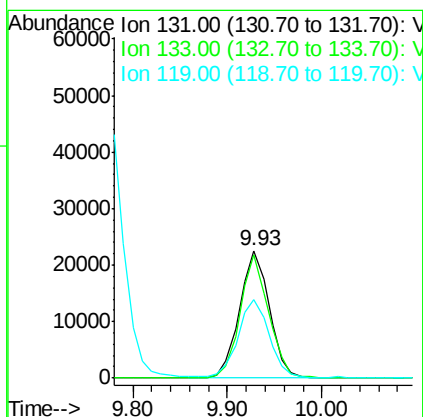
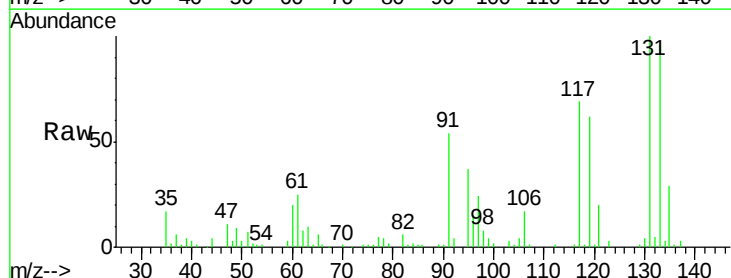
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

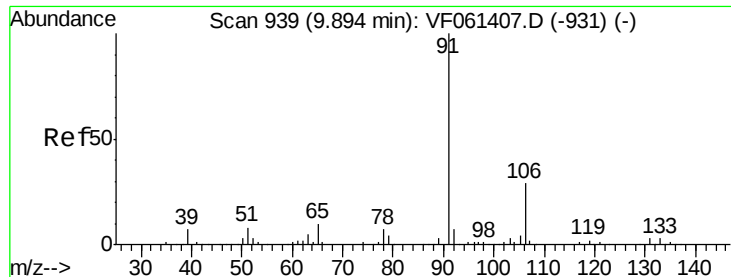
Tot Ion:112 Resp: 121733
Ion Ratio Lower Upper
112 100
114 33.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.751 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion:131 Resp: 49635
Ion Ratio Lower Upper
131 100
133 96.5 47.4 142.2
119 61.6 33.1 99.3

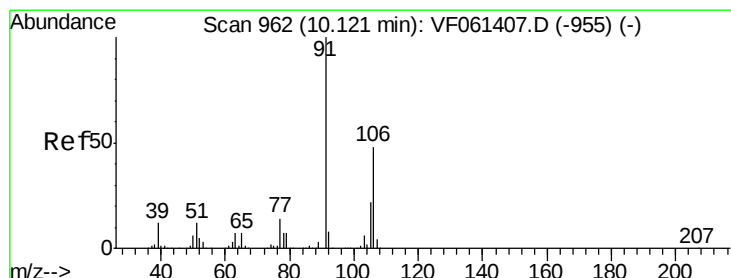
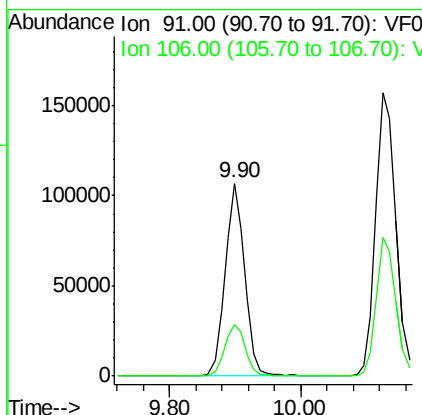
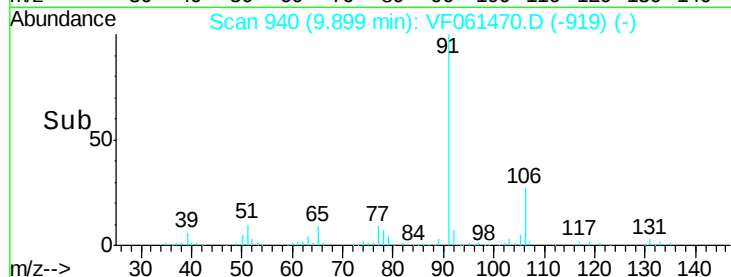
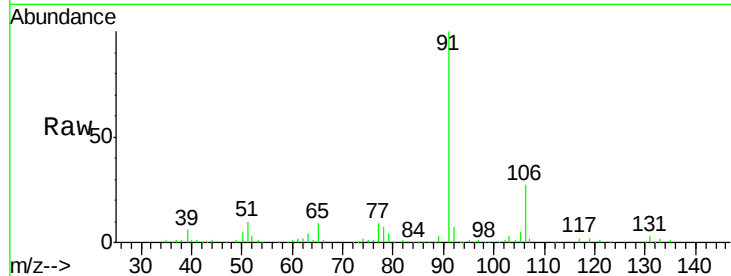




#67
Ethyl Benzene
Concen: 19.408 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

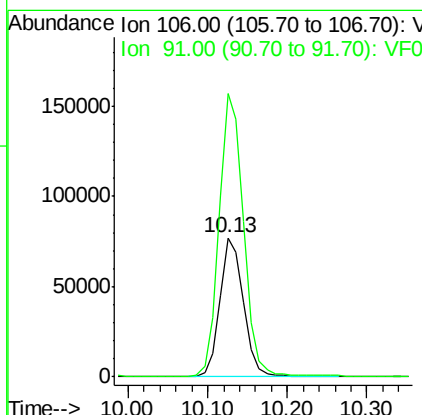
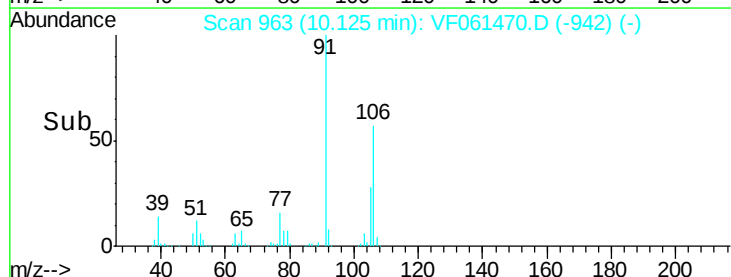
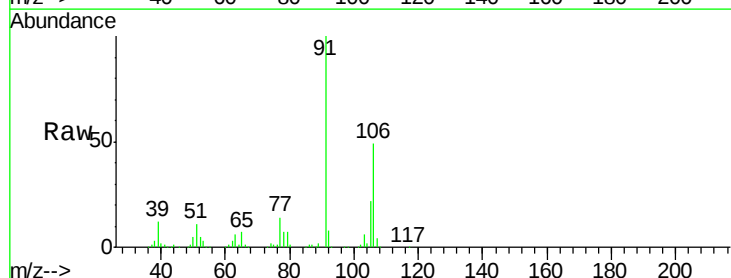
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

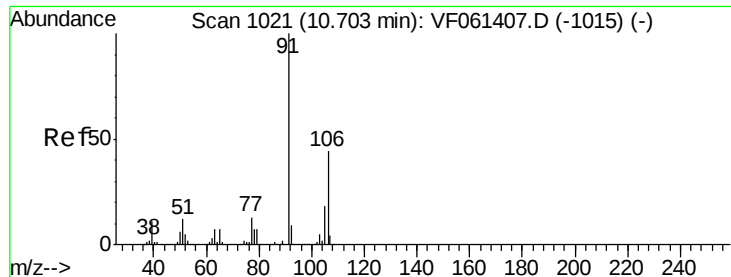
Tot Ion: 91 Resp: 223697
Ion Ratio Lower Upper
91 100
106 26.9 23.1 34.7



#68
m/p-Xylenes
Concen: 39.172 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion:106 Resp: 162388
Ion Ratio Lower Upper
106 100
91 203.3 166.2 249.4

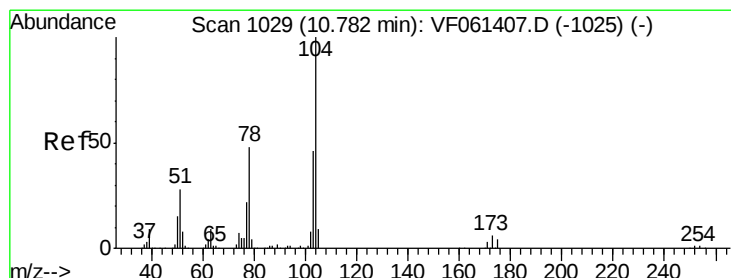
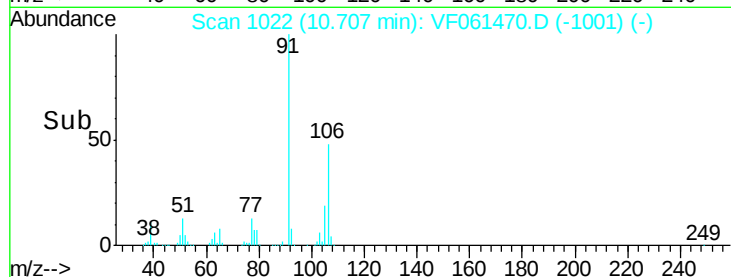
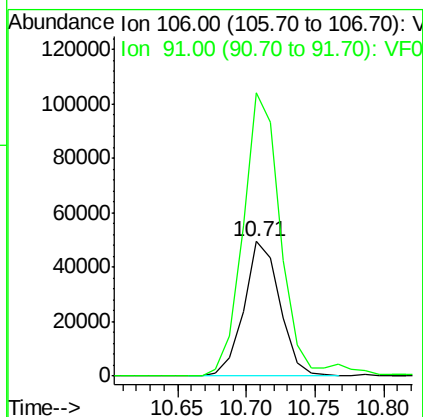
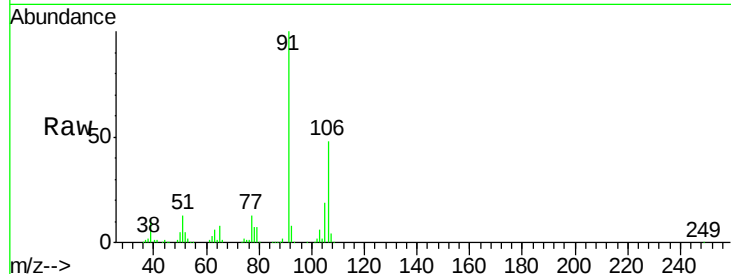




#69
o-Xylene
Concen: 20.123 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

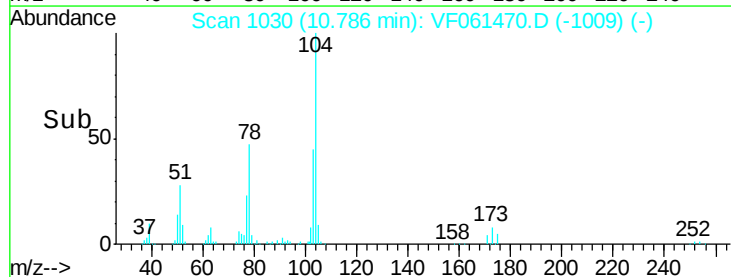
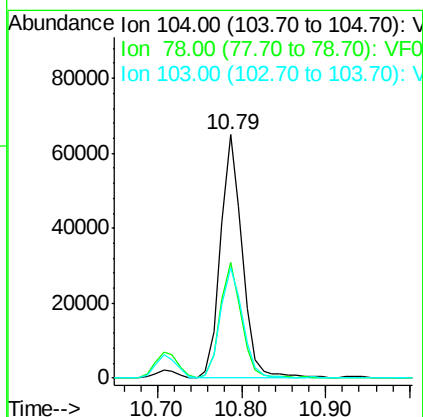
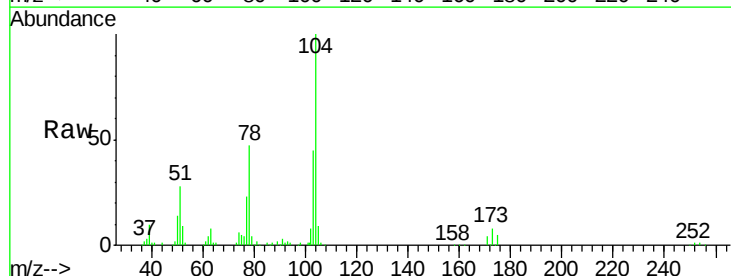
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

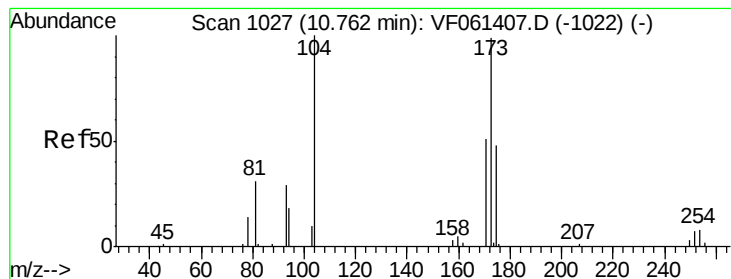
Tot Ion:106 Resp: 90414
Ion Ratio Lower Upper
106 100
91 210.3 113.3 339.8



#70
Styrene
Concen: 18.837 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion:104 Resp: 115849
Ion Ratio Lower Upper
104 100
78 47.4 38.8 58.2
103 45.4 37.0 55.6





#71

Bromoform

Concen: 18.414 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

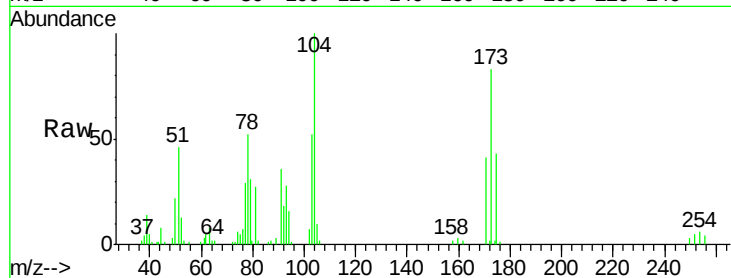
Tot Ion:173 Resp: 20792

Ion Ratio Lower Upper

173 100

175 51.6 24.1 72.4

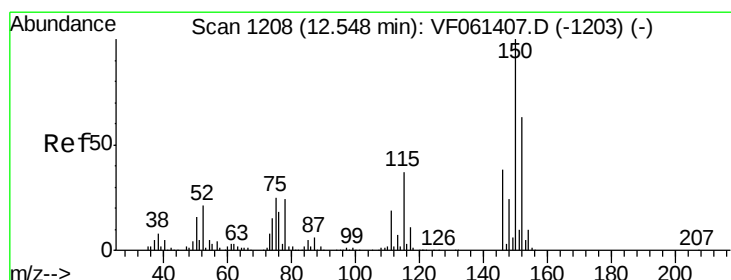
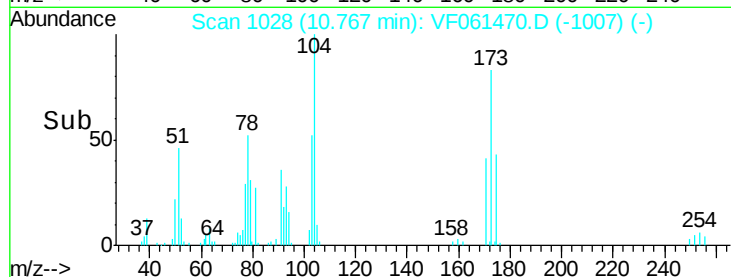
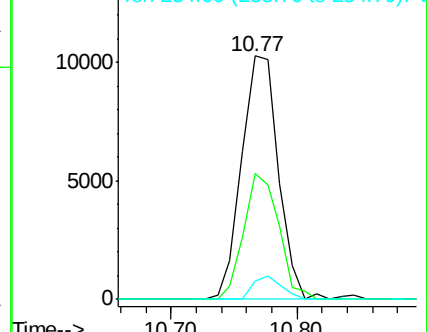
254 7.6 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

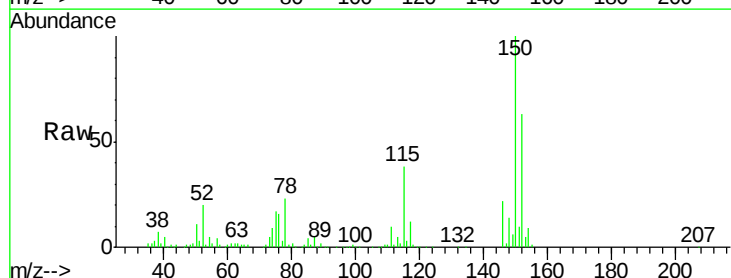
Tgt Ion:152 Resp: 152528

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

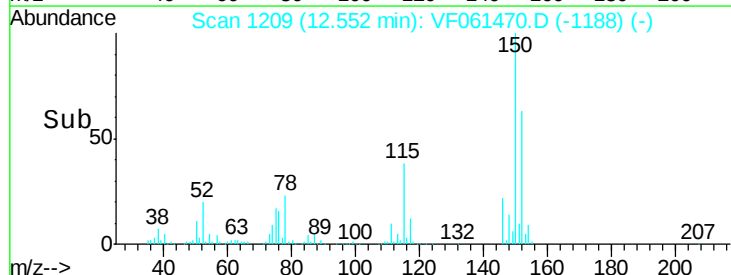
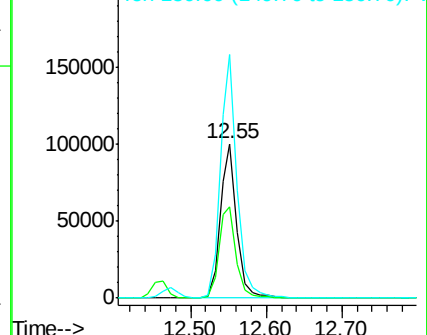
150 158.0 0.0 321.4

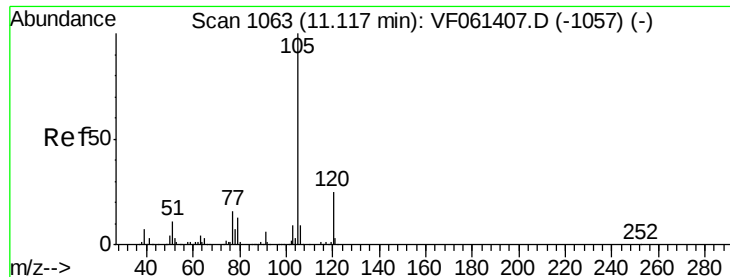


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.924 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

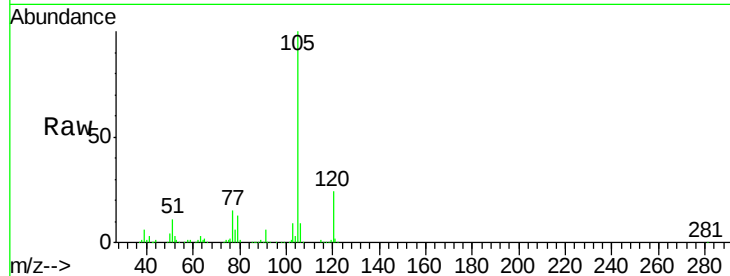
VF0121SBS01

Tot Ion:105 Resp: 259576

Ion Ratio Lower Upper

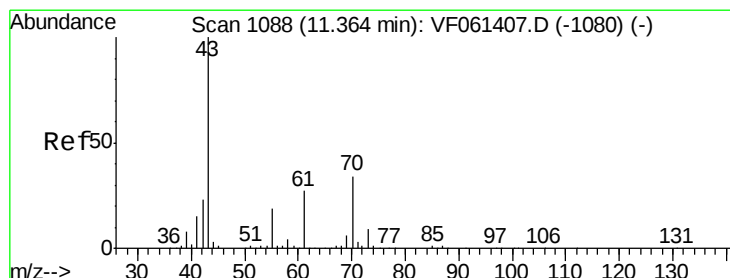
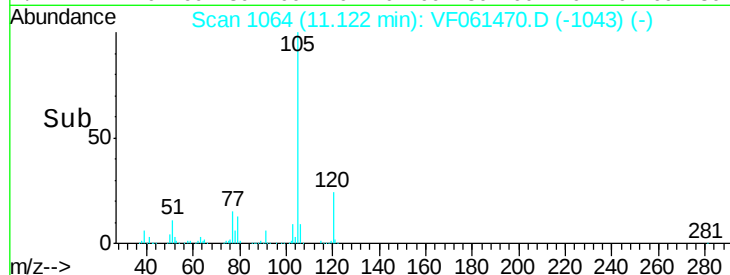
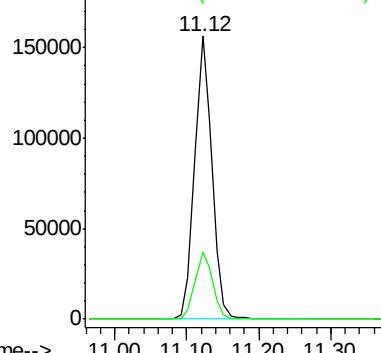
105 100

120 23.8 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: 20.305 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion: 43 Resp: 59564

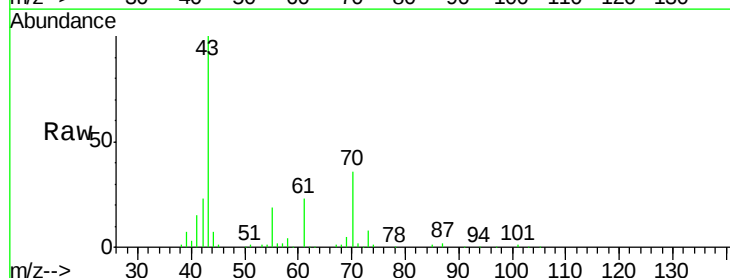
Ion Ratio Lower Upper

43 100

70 36.4 27.6 41.4

55 18.6 15.4 23.2

61 22.7 21.8 32.6

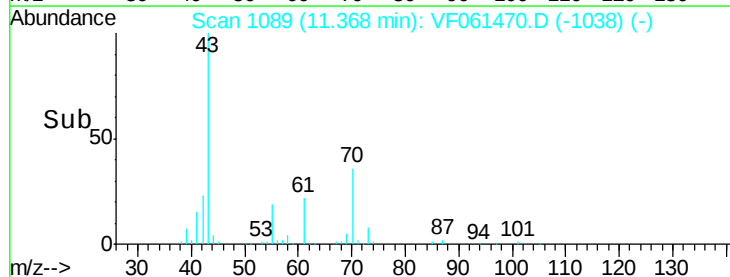
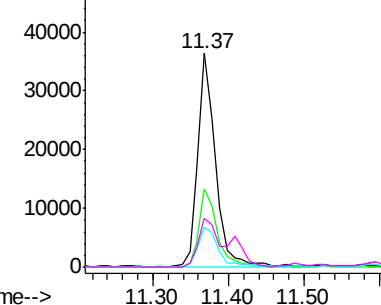


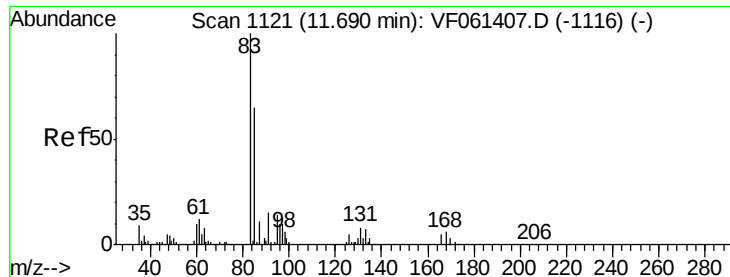
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 19.372 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

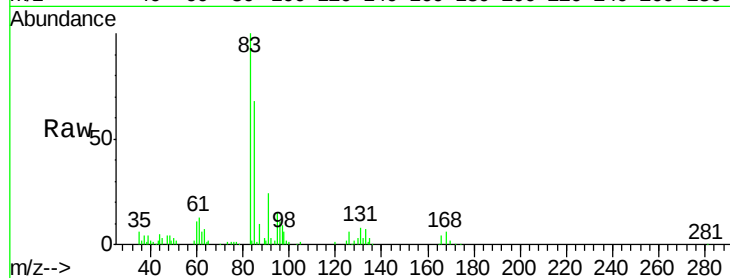
Tot Ion: 83 Resp: 42811

Ion Ratio Lower Upper

83 100

131 8.0 4.0 12.2

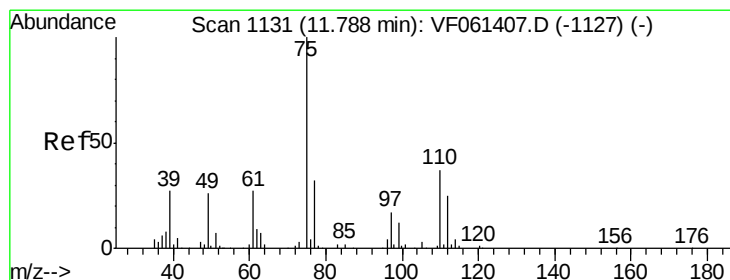
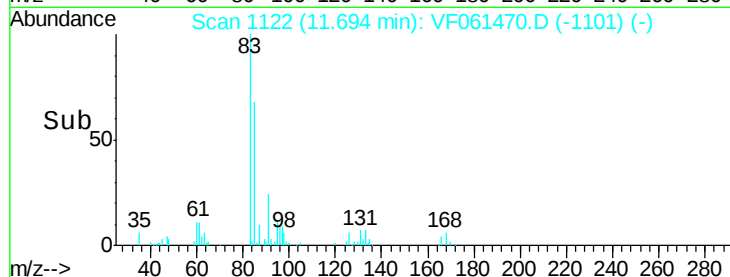
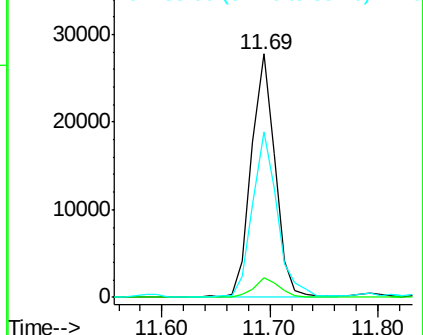
85 68.0 32.7 98.1



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: 19.320 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF061470.D

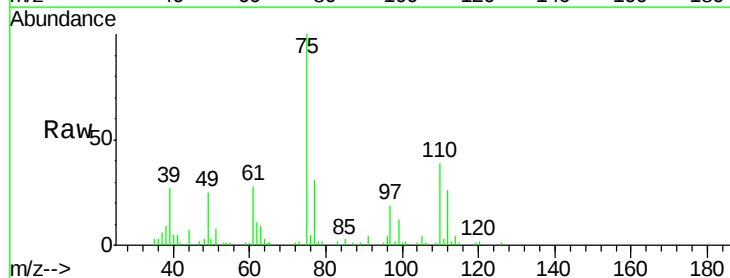
Acq: 21 Jan 2019 13:33

Tgt Ion: 75 Resp: 30680

Ion Ratio Lower Upper

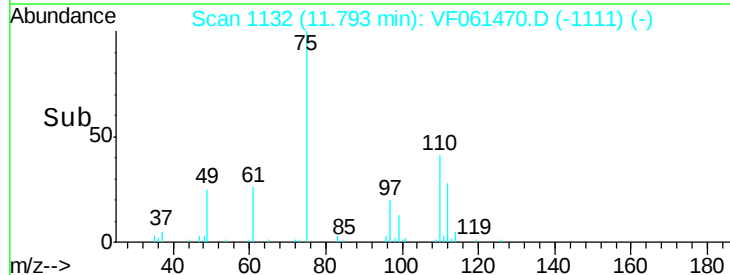
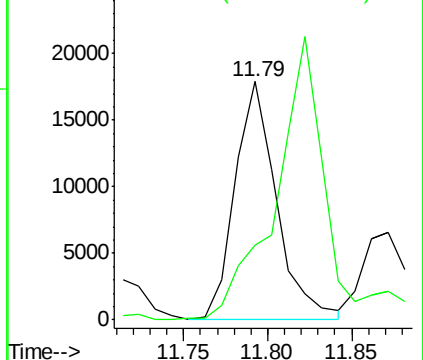
75 100

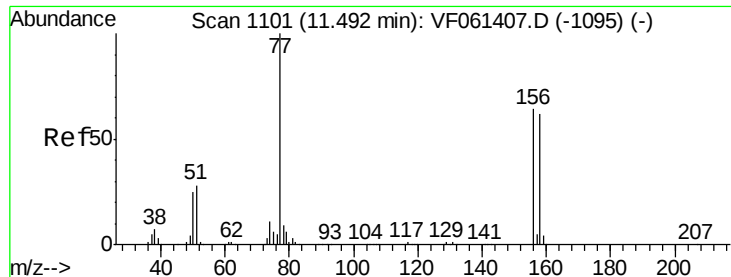
77 31.5 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 18.854 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

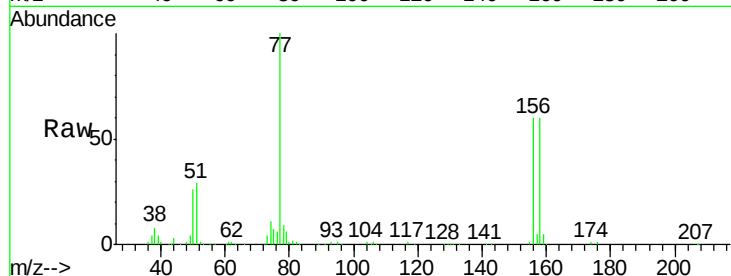
Tot Ion:156 Resp: 49395

Ion Ratio Lower Upper

156 100

77 166.2 78.3 234.9

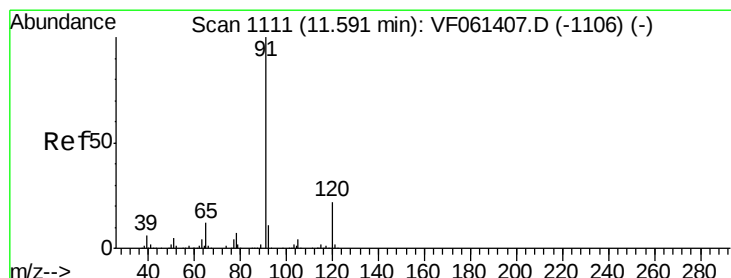
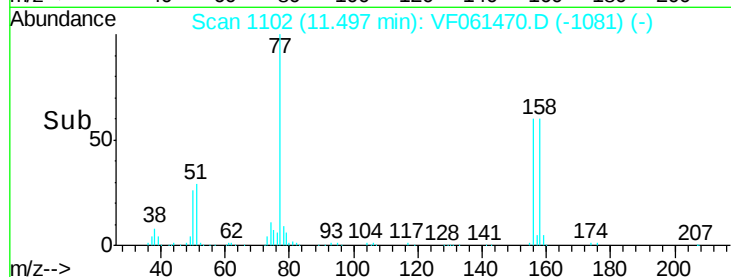
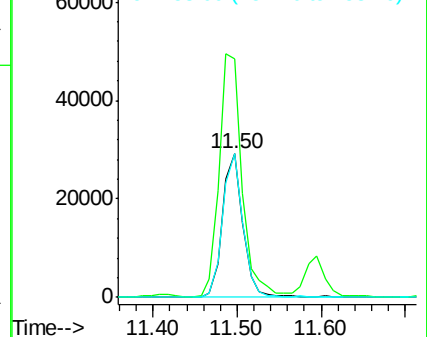
158 100.3 48.9 146.7



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: 19.262 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061470.D

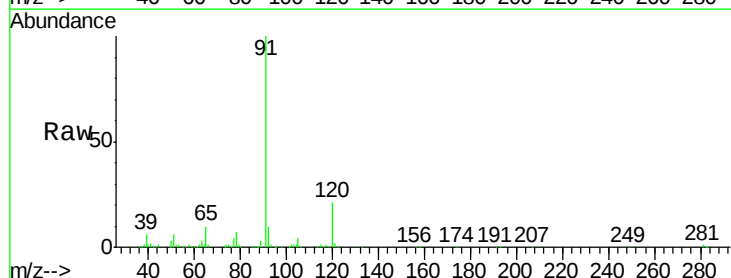
Acq: 21 Jan 2019 13:33

Tgt Ion: 91 Resp: 311768

Ion Ratio Lower Upper

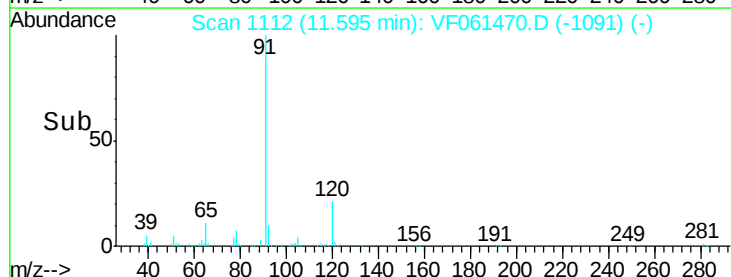
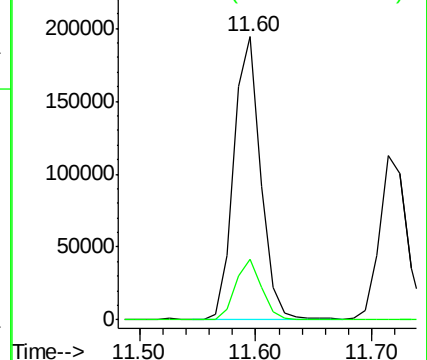
91 100

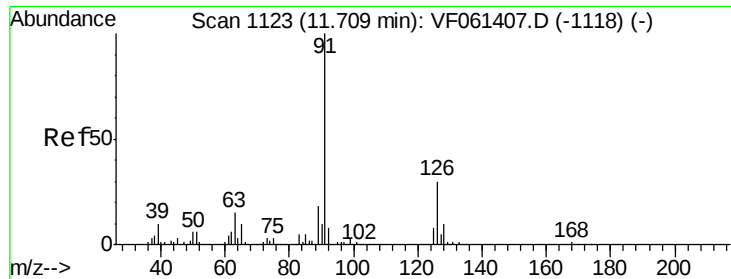
120 21.3 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

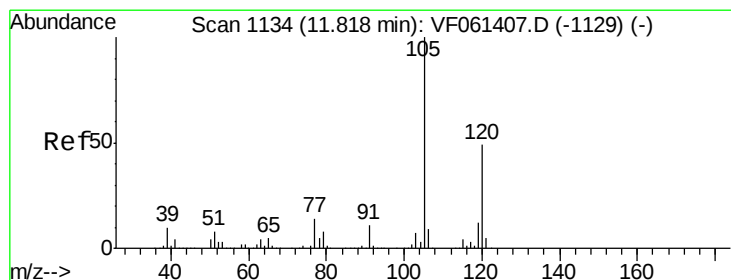
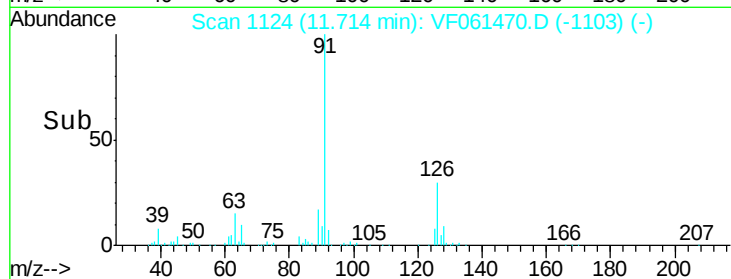
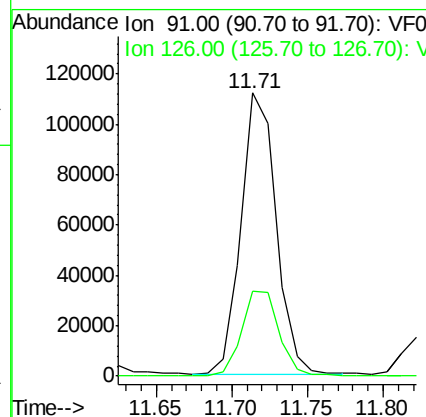
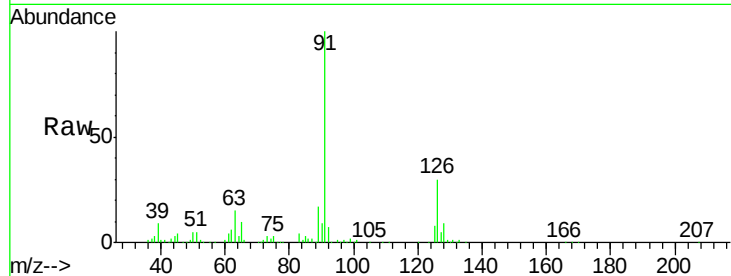




#79
 2-Chlorotoluene
 Concen: 21.003 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

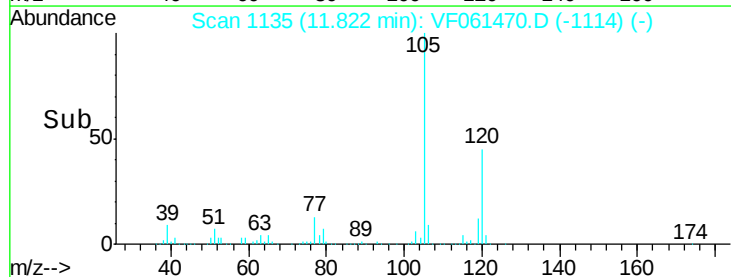
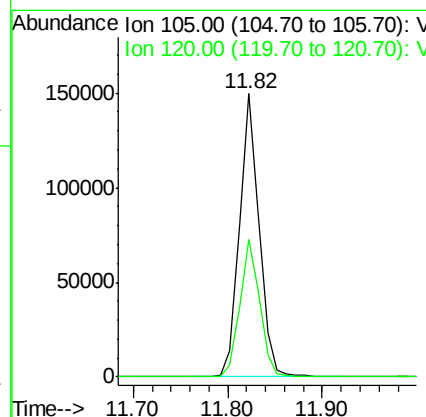
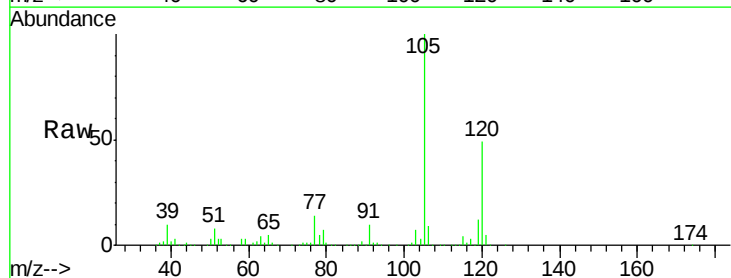
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

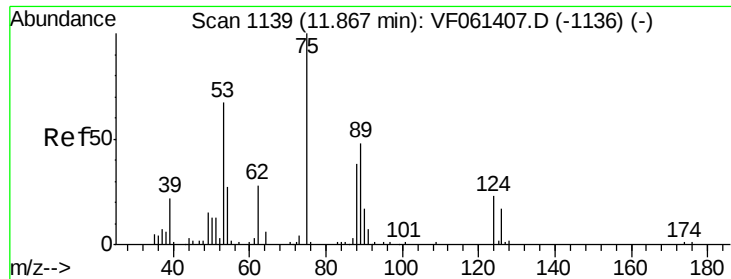
Tot Ion: 91 Resp: 180777
 Ion Ratio Lower Upper
 91 100
 126 29.8 15.0 45.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.722 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion:105 Resp: 217464
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.7 74.1

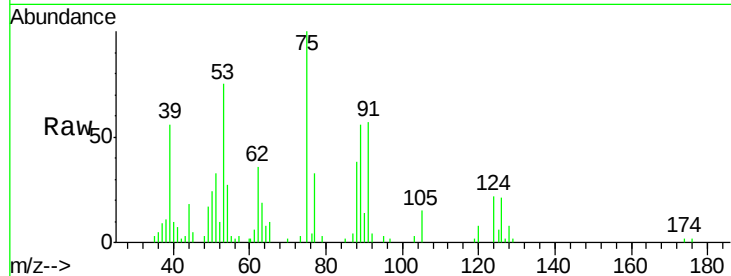




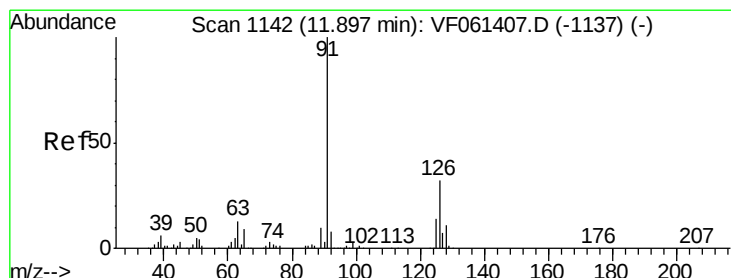
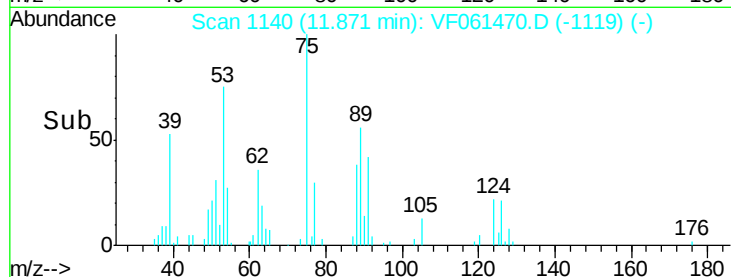
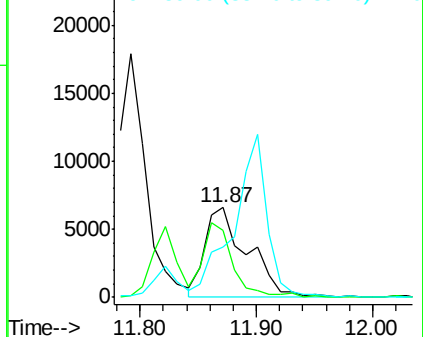
#81
trans-1,4-Dichloro-2-butene
Concen: 24.318 ug/l
RT: 11.87 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion: 75 Resp: 16787
Ion Ratio Lower Upper
75 100
53 74.7 57.8 86.6
89 55.6 40.7 61.1

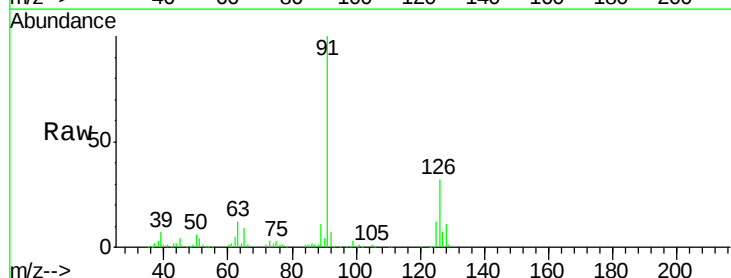


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0

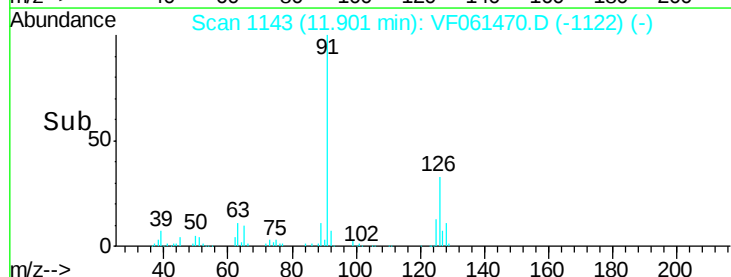
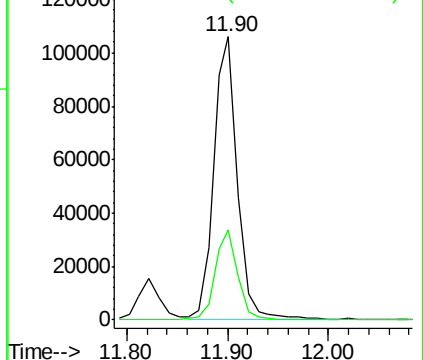


#82
4-Chlorotoluene
Concen: 19.684 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion: 91 Resp: 170965
Ion Ratio Lower Upper
91 100
126 31.9 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

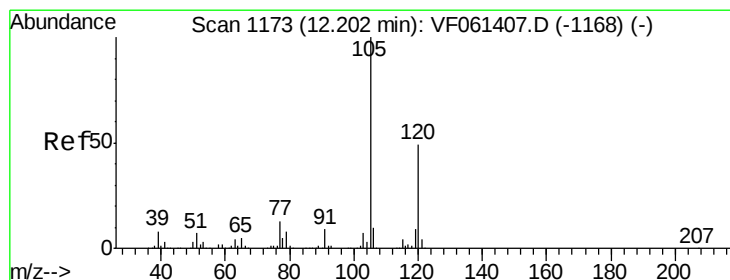
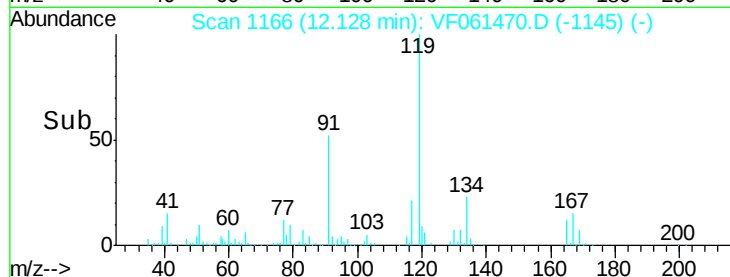
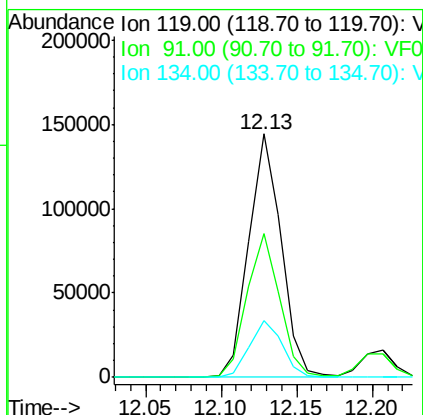
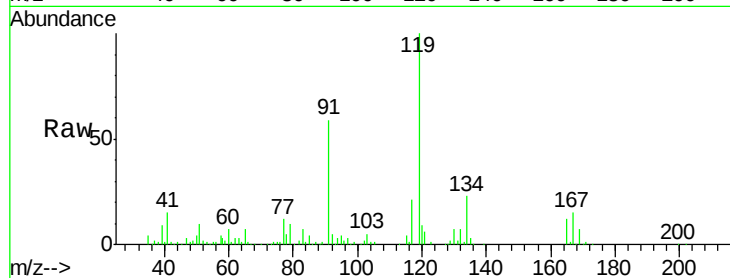




#83
tert-Butylbenzene
Concen: 20.974 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

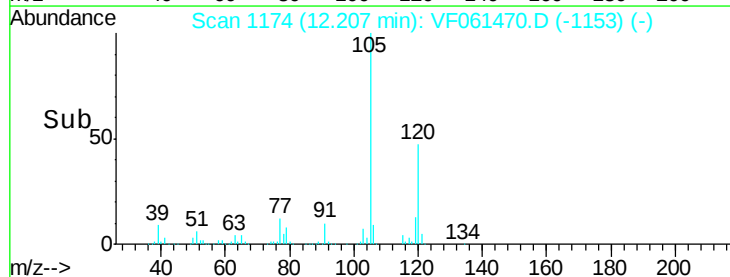
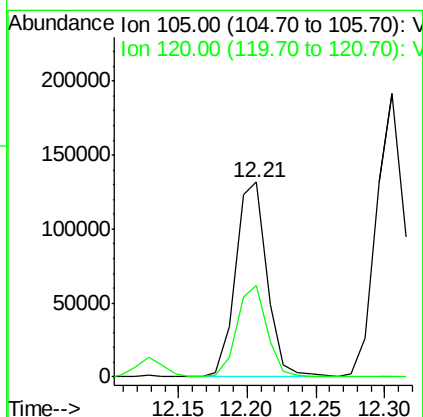
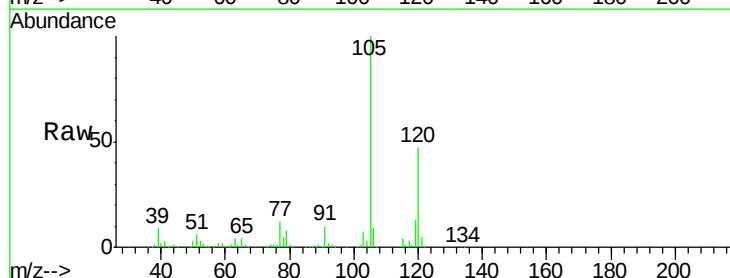
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion:119 Resp: 217329
Ion Ratio Lower Upper
119 100
91 59.2 31.3 93.8
134 23.2 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 20.353 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion:105 Resp: 209884
Ion Ratio Lower Upper
105 100
120 46.8 24.9 74.6

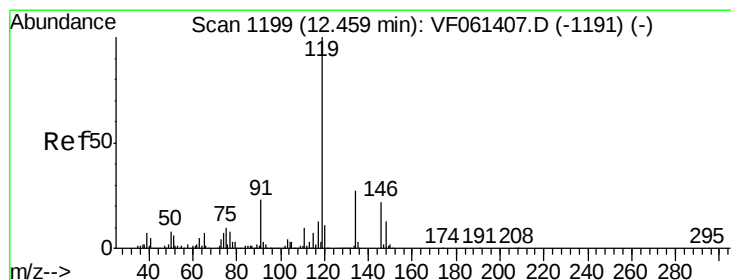
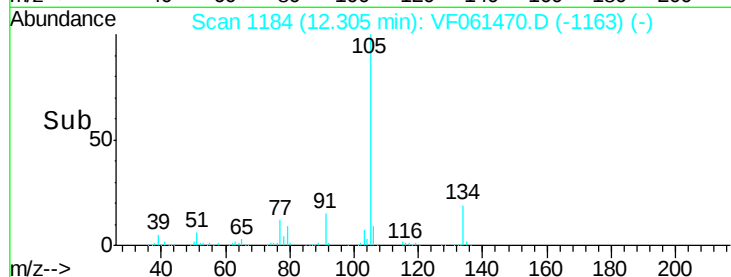
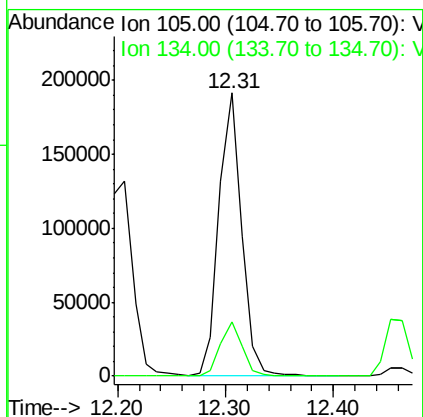
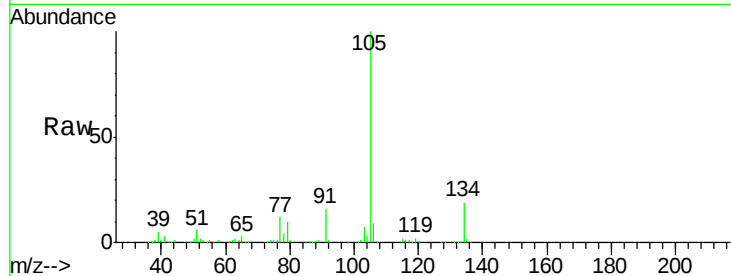




#85
 sec-Butylbenzene
 Concen: 19.864 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

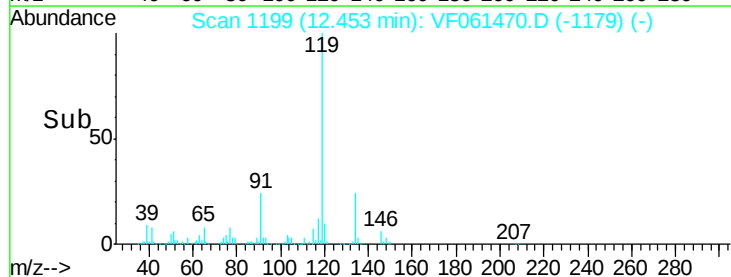
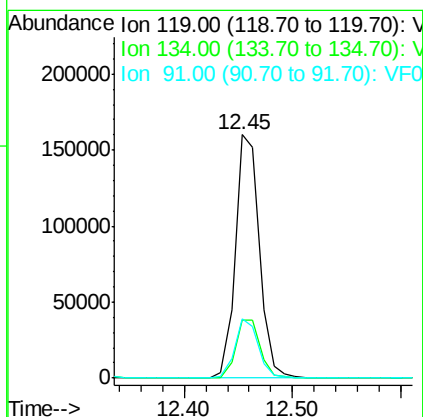
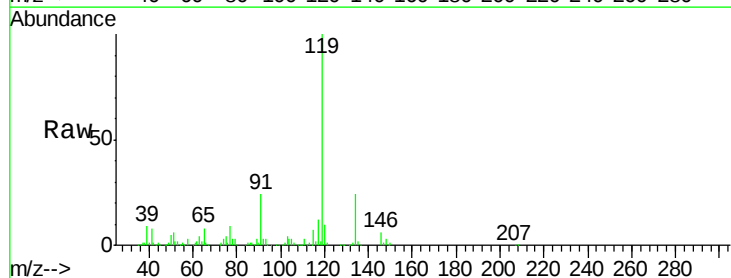
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Tot Ion:105 Resp: 279518
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 21.498 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion:119 Resp: 248336
 Ion Ratio Lower Upper
 119 100
 134 24.0 13.4 40.2
 91 24.4 11.4 34.2

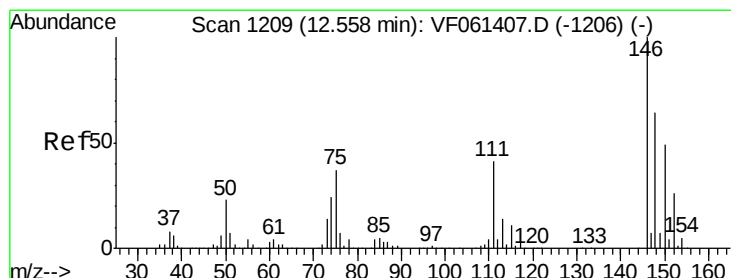
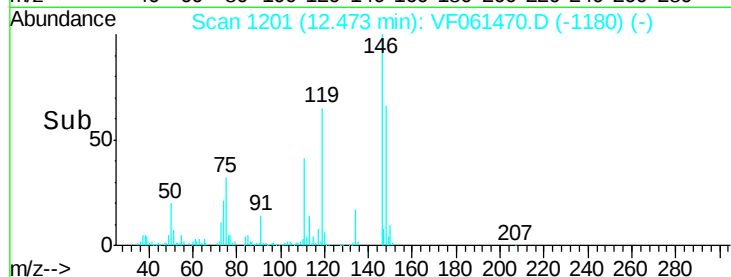
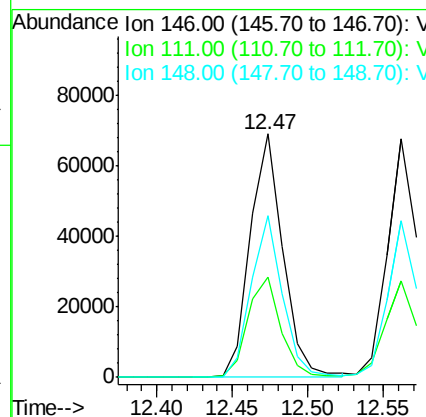
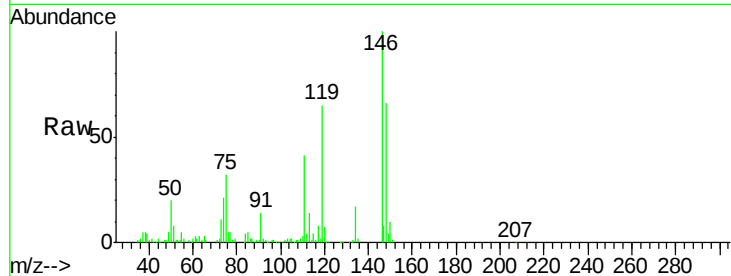




#87
 1,3-Dichlorobenzene
 Concen: 19.058 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

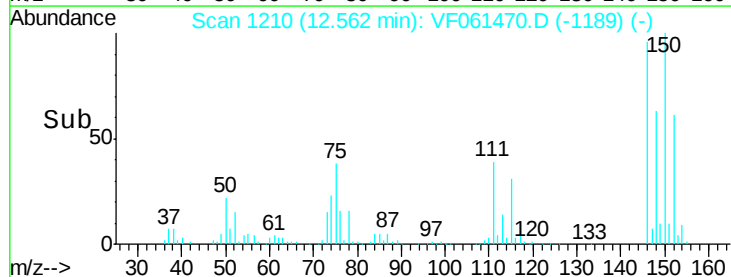
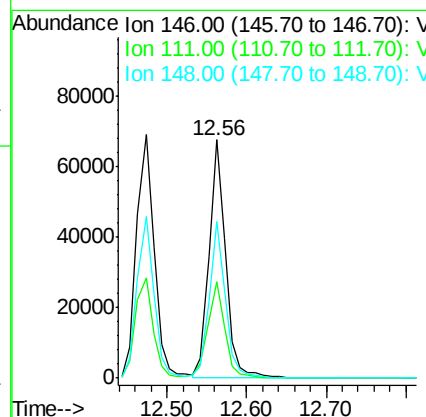
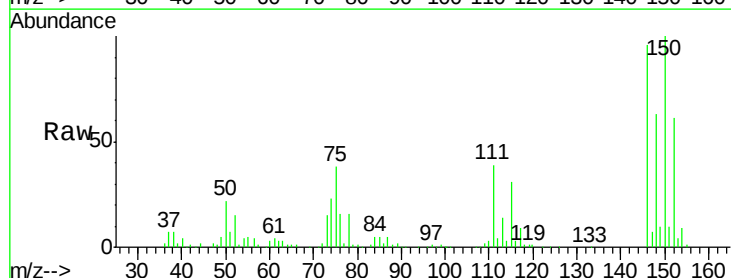
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

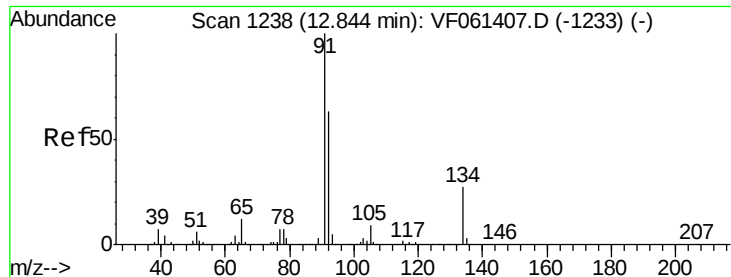
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.4
148	66.3	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 19.873 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.8	62.2
148	65.7	32.1	96.5





#89

n-Butylbenzene

Concen: 21.238 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

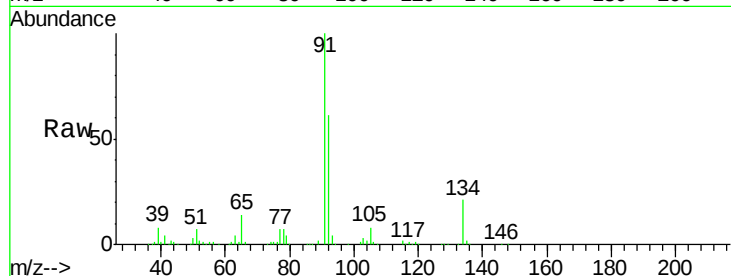
Tot Ion: 91 Resp: 253013

Ion Ratio Lower Upper

91 100

92 61.0 31.6 94.7

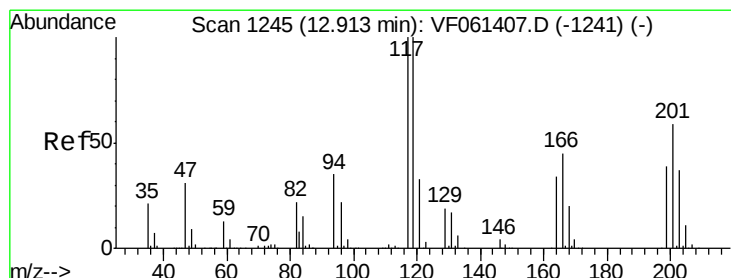
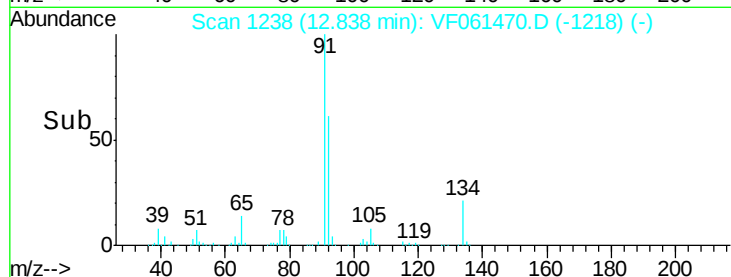
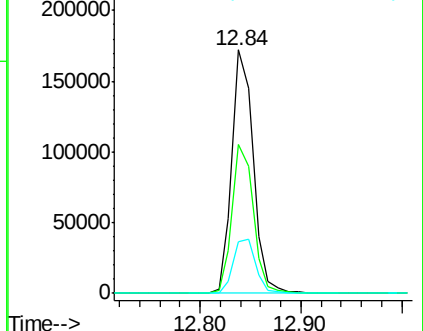
134 21.2 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.701 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VF061470.D

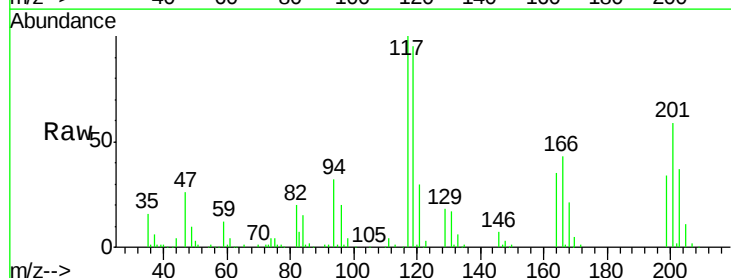
Acq: 21 Jan 2019 13:33

Tgt Ion: 117 Resp: 56368

Ion Ratio Lower Upper

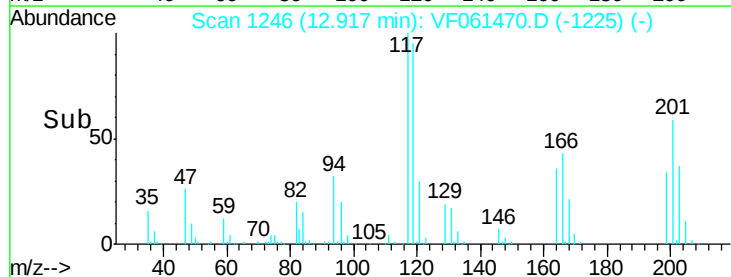
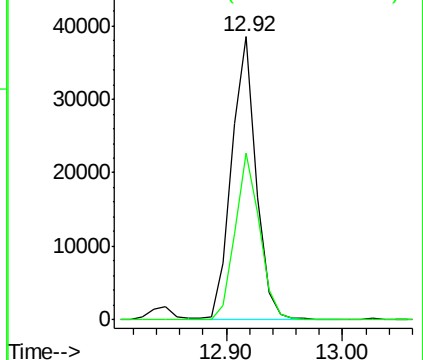
117 100

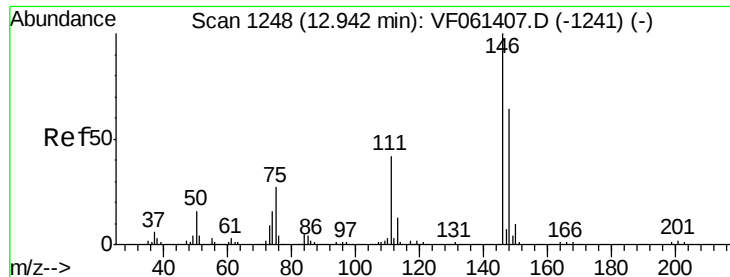
201 58.9 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

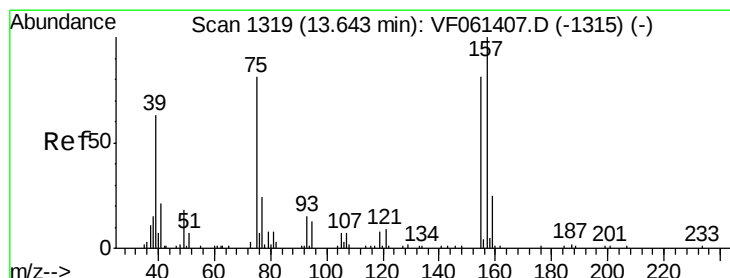
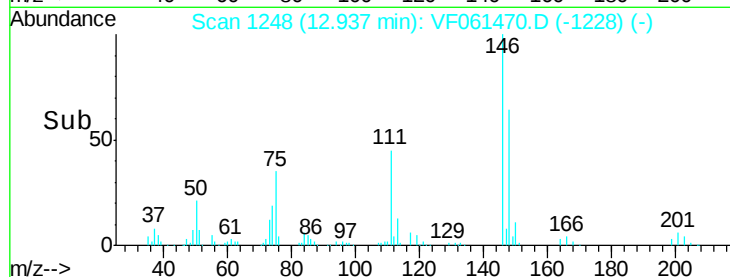
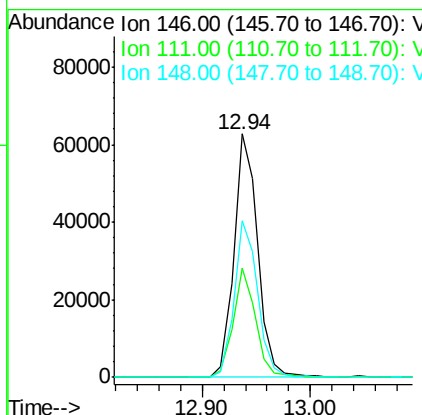
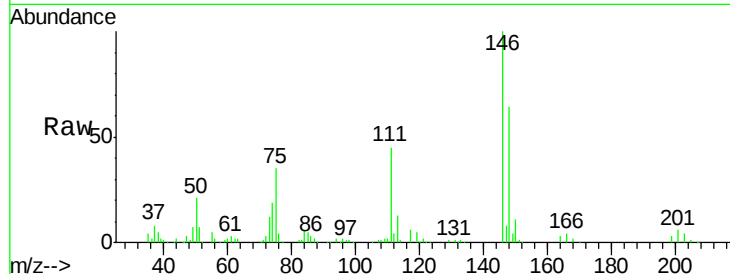




#91
 1,2-Dichlorobenzene
 Concen: 19.512 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

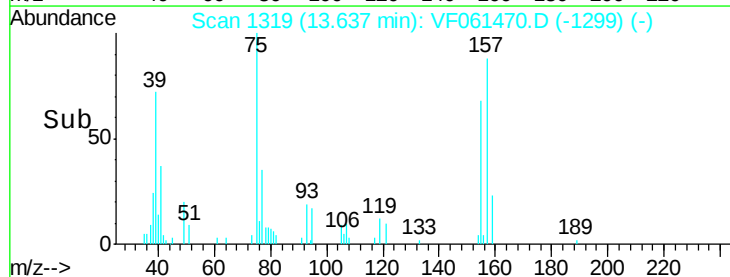
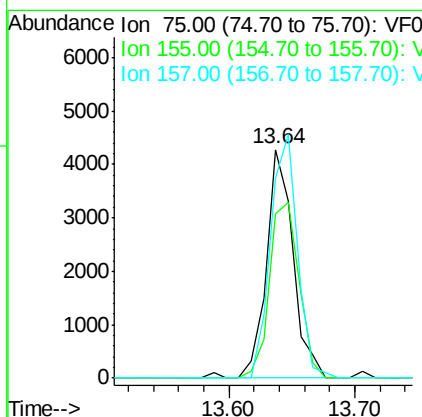
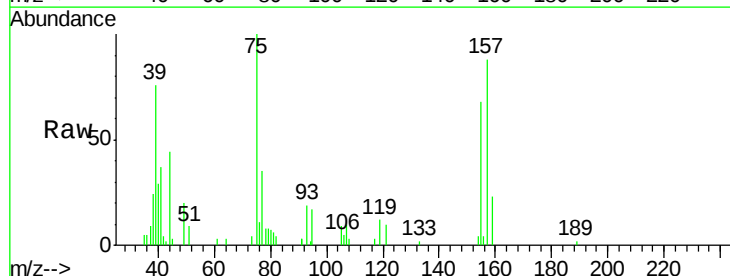
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.1	63.3
148	64.3	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.182 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.6	49.7	149.1
157	87.7	61.4	184.1





#93

1,2,4-Trichlorobenzene

Concen: 17.618 ug/l

RT: 14.20 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

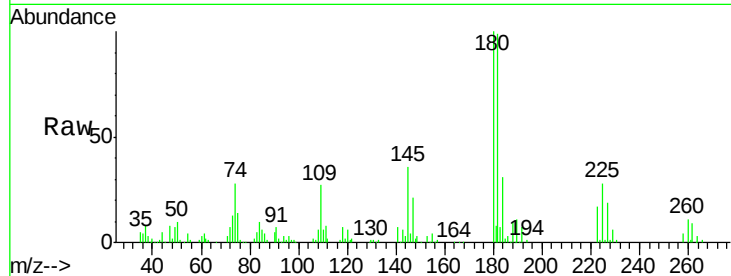
Tot Ion:180 Resp: 60488

Ion Ratio Lower Upper

180 100

182 99.1 48.5 145.6

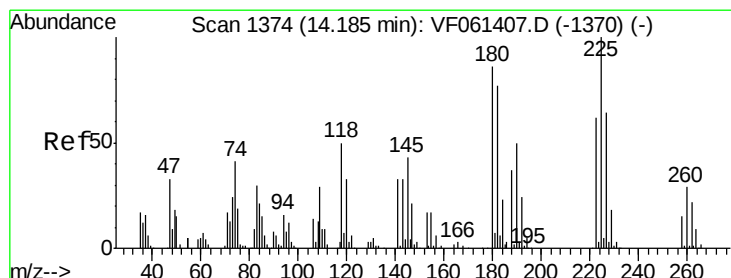
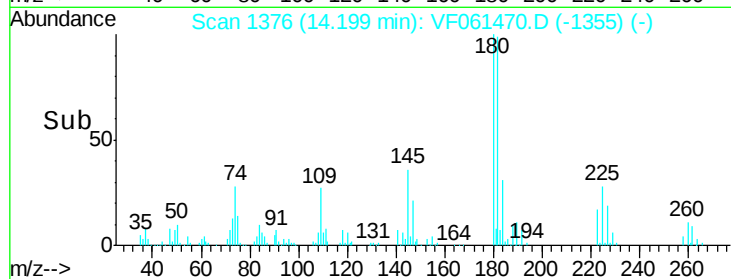
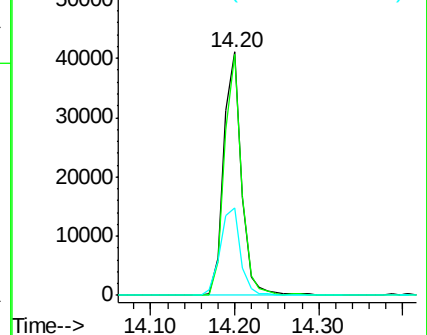
145 35.9 17.5 52.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 17.771 ug/l

RT: 14.19 min Scan# 1375

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

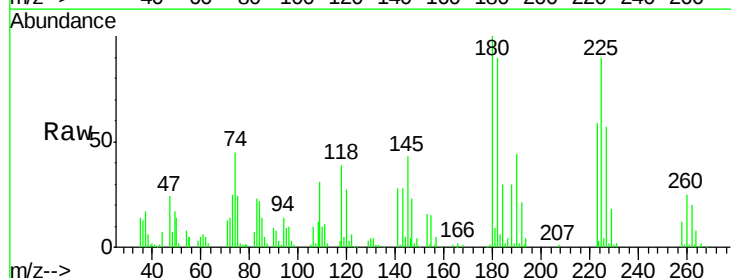
Tgt Ion:225 Resp: 37860

Ion Ratio Lower Upper

225 100

223 65.7 31.1 93.2

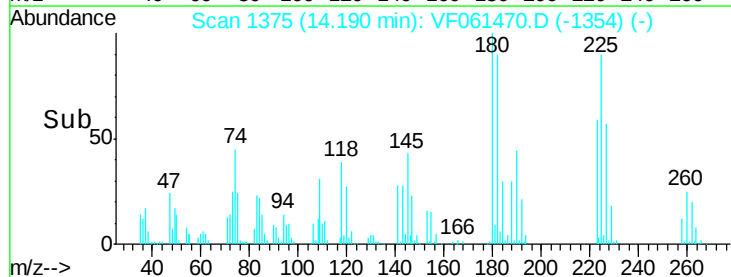
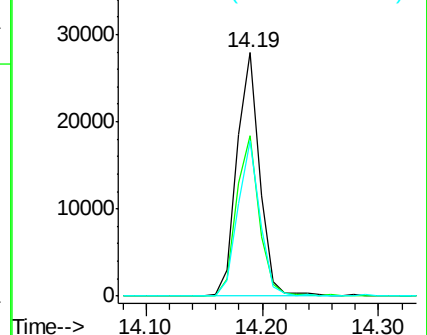
227 63.6 32.2 96.6

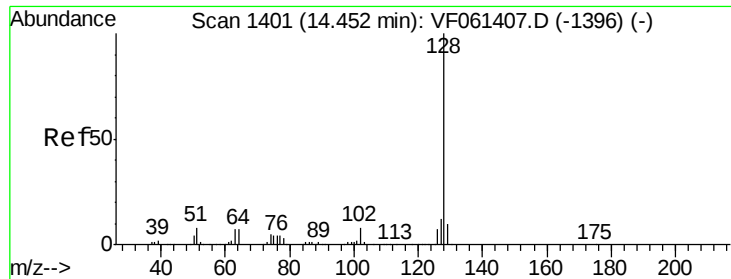


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

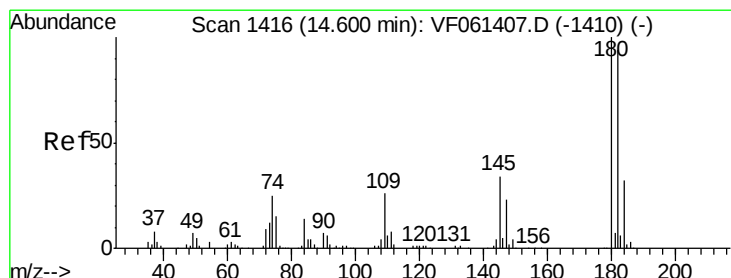
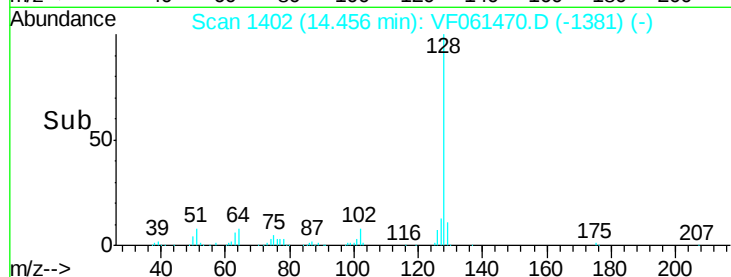
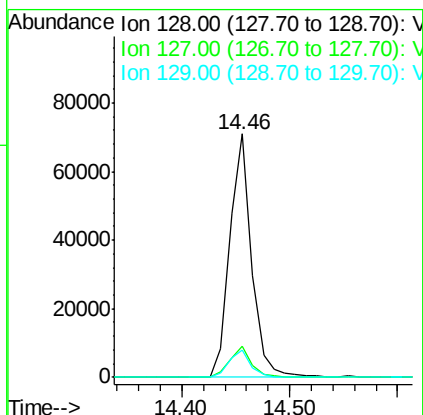
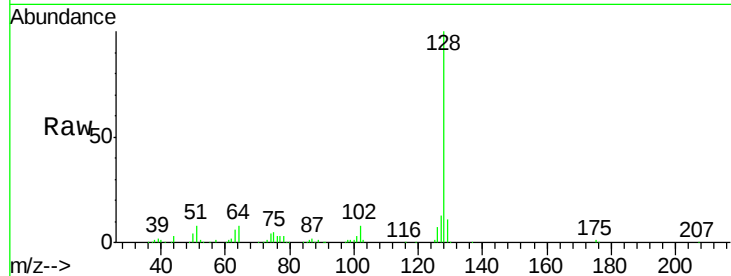




#95
Naphthalene
Concen: 15.410 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion:128 Resp: 100519
Ion Ratio Lower Upper
128 100
127 12.7 9.5 14.3
129 11.1 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 16.909 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion:180 Resp: 53741
Ion Ratio Lower Upper
180 100
182 91.2 47.0 141.2
145 31.0 17.1 51.2

