

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061386.D
 Acq On : 14 Jan 2019 13:43
 Operator : VA/AP
 Sample : VF0114SBS01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0114SBS01

Quant Time: Jan 14 21:52:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	194215	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	334443	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	310414	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	157070	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	125101	57.87	ug/l	-0.03
Spiked Amount			Recovery	=	115.74%	
35) Dibromofluoromethane	4.10	113	143452	56.06	ug/l	-0.01
Spiked Amount			Recovery	=	112.12%	
50) Toluene-d8	7.53	98	387929	51.23	ug/l	-0.03
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.40	95	171577	51.89	ug/l	-0.01
Spiked Amount			Recovery	=	103.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	72455	20.225	ug/l	93
3) Chloromethane	1.09	50	55320	17.329	ug/l	92
4) Vinyl Chloride	1.13	62	52089	18.269	ug/l	94
5) Bromomethane	1.31	94	29935	14.513	ug/l	96
6) Chloroethane	1.39	64	22142	15.903	ug/l	95
7) Trichlorofluoromethane	1.47	101	87647	18.133	ug/l	99
8) Diethyl Ether	1.62	74	11637	16.395	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.82	101	41832	16.390	ug/l	96
10) Methyl Iodide	1.91	142	69204m	17.307	ug/l	
11) Tert butyl alcohol	2.55	59	9664	111.656	ug/l #	86
12) 1,1-Dichloroethene	1.79	96	33978m	16.649	ug/l	
13) Acrolein	1.99	56	7129	59.605	ug/l #	81
14) Allyl chloride	2.09	41	58440	15.666	ug/l #	96
15) Acrylonitrile	2.93	53	25979	84.671	ug/l #	89
16) Acetone	2.23	43	54058	107.499	ug/l #	84
17) Carbon Disulfide	1.81	76	101157	15.006	ug/l	100
18) Methyl Acetate	2.33	43	21126m	21.353	ug/l	
19) Methyl tert-butyl Ether	2.42	73	66363	17.064	ug/l	94
20) Methylene Chloride	2.18	84	35795m	16.825	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	36731	16.984	ug/l	87
22) Diisopropyl ether	2.79	45	122264	16.941	ug/l	97
23) Vinyl Acetate	3.17	43	245992	116.550	ug/l	97
24) 1,1-Dichloroethane	2.86	63	71923	17.228	ug/l	96
25) 2-Butanone	4.32	43	83927	103.695	ug/l	96
26) 2,2-Dichloropropane	3.58	77	47779	17.127	ug/l	93
27) cis-1,2-Dichloroethene	3.46	96	57815	19.147	ug/l	98
28) Bromochloromethane	3.70	49	36428	19.790	ug/l	89
29) Tetrahydrofuran	4.05	42	34762	102.724	ug/l	94
30) Chloroform	3.84	83	109608	20.682	ug/l	97
31) Cyclohexane	3.67	56	81643m	18.641	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	72746	16.994	ug/l	95
36) 1,1-Dichloropropene	4.26	75	79029	20.235	ug/l	100
37) Ethyl Acetate	4.09	43	30185	21.224	ug/l #	64
38) Carbon Tetrachloride	3.97	117	66075	17.863	ug/l	98

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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)
39) Methylcyclohexane	5.43	83	91805	18.787	ug/l	93
40) Benzene	4.61	78	177384	19.454	ug/l	99
41) Methacrylonitrile	4.73	41	18020	22.689	ug/l	93
42) 1,2-Dichloroethane	4.93	62	57539	20.269	ug/l	97
43) Isopropyl Acetate	6.94	43	39606	21.093	ug/l #	91
44) Trichloroethene	5.48	130	57529	21.559	ug/l	88
45) 1,2-Dichloropropane	6.22	63	48356	20.855	ug/l	95
46) Dibromomethane	6.06	93	29477	20.706	ug/l	93
47) Bromodichloromethane	6.37	83	76059	21.482	ug/l	98
48) Methyl methacrylate	6.70	41	22988	18.861	ug/l	93
49) 1,4-Dioxane	6.68	88	3749	487.491	ug/l	96
51) 4-Methyl-2-Pentanone	8.24	43	154120	108.744	ug/l	99
52) Toluene	7.60	92	112735	19.236	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	61017	21.944	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	79354	21.524	ug/l	92
55) 1,1,2-Trichloroethane	8.47	97	32757	19.974	ug/l	95
56) Ethyl methacrylate	8.61	69	36661	20.002	ug/l	96
57) 1,3-Dichloropropane	8.83	76	60240	20.755	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.28	63	10270	131.484	ug/l	92
59) 2-Hexanone	9.48	43	110667	110.219	ug/l	100
60) Dibromochloromethane	8.70	129	46216	21.164	ug/l	99
61) 1,2-Dibromoethane	8.97	107	35097	20.995	ug/l	100
64) Tetrachloroethene	8.13	164	47802	21.151	ug/l	95
65) Chlorobenzene	9.78	112	125364	20.000	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	51372	20.085	ug/l	96
67) Ethyl Benzene	9.88	91	235139	19.456	ug/l	100
68) m/p-Xylenes	10.12	106	170327	40.402	ug/l	100
69) o-Xylene	10.70	106	86128	18.289	ug/l	92
70) Styrene	10.78	104	125430	19.993	ug/l	96
71) Bromoform	10.76	173	23979	22.940	ug/l #	88
73) Isopropylbenzene	11.11	105	283908	20.541	ug/l	99
74) N-amyl acetate	11.36	43	66227	21.079	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	46858	21.382	ug/l	92
76) 1,2,3-Trichloropropane	11.78	75	32778	20.393	ug/l	90
77) Bromobenzene	11.48	156	55917	20.336	ug/l	91
78) n-propylbenzene	11.58	91	343167	20.824	ug/l	96
79) 2-Chlorotoluene	11.71	91	195614	21.306	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	231356	21.037	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	13126m	18.688	ug/l	
82) 4-Chlorotoluene	11.88	91	185364	19.869	ug/l	95
83) tert-Butylbenzene	12.12	119	229204	20.919	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	223851	20.501	ug/l	95
85) sec-Butylbenzene	12.30	105	300889	19.286	ug/l	100
86) p-Isopropyltoluene	12.44	119	268291	21.142	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	114958	21.408	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	109767	21.263	ug/l	97
89) n-Butylbenzene	12.83	91	278014	21.323	ug/l	94
90) Hexachloroethane	12.91	117	61693	21.253	ug/l	94
91) 1,2-Dichlorobenzene	12.93	146	105924	20.667	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7665	20.701	ug/l	72

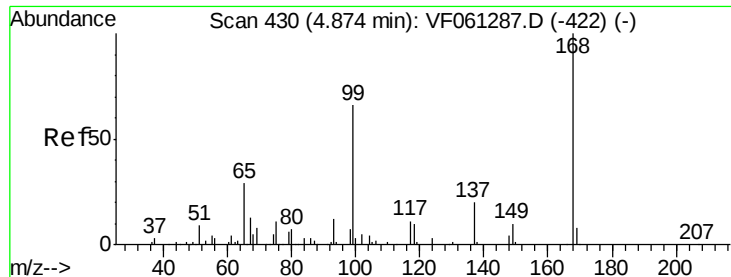
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	72882	20.664	ug/l	95
94) Hexachlorobutadiene	14.18	225	46777	20.601	ug/l	98
95) Naphthalene	14.45	128	123405	18.566	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	62310	18.755	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

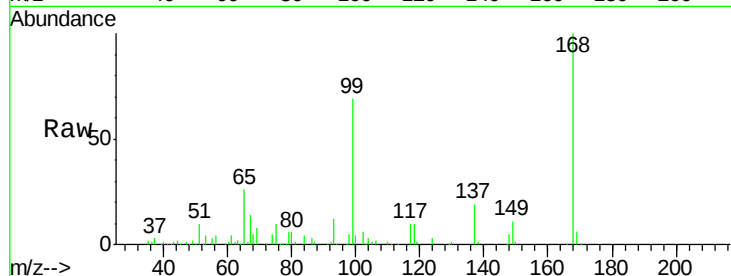
VF0114SBS01

Tot Ion:168 Resp: 194215

Ion Ratio Lower Upper

168 100

99 69.3 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

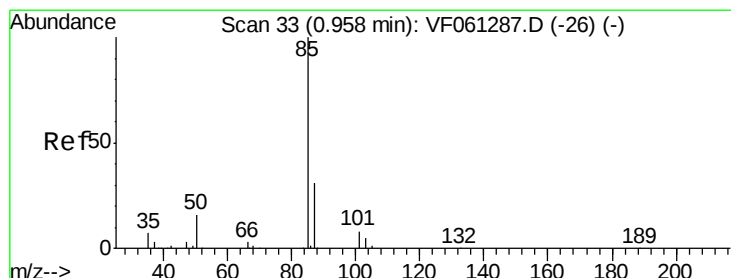
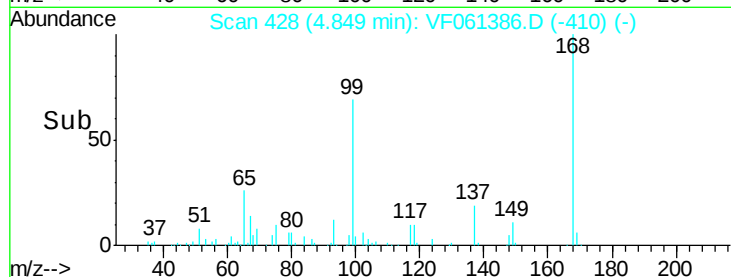
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 20.225 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061386.D

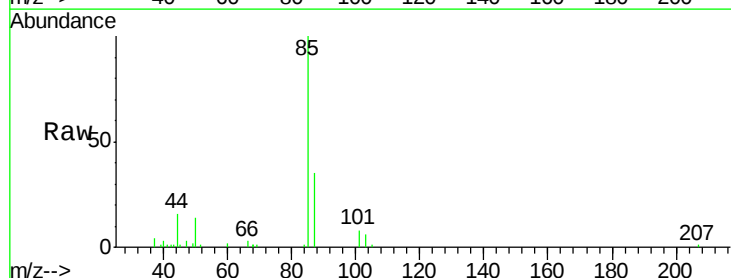
Acq: 14 Jan 2019 13:43

Tgt Ion: 85 Resp: 72455

Ion Ratio Lower Upper

85 100

87 34.6 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

15000

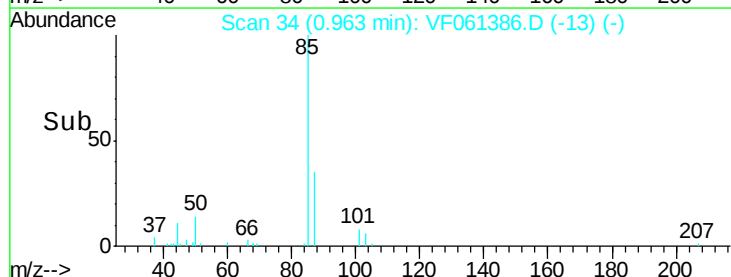
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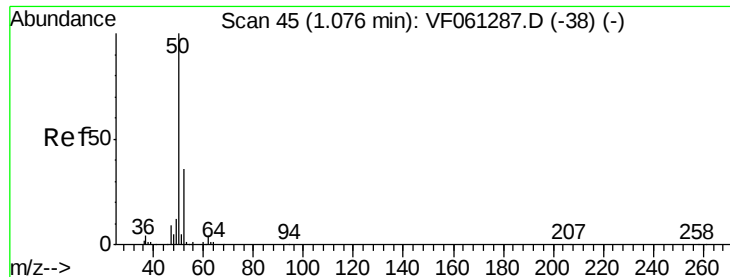
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 17.329 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

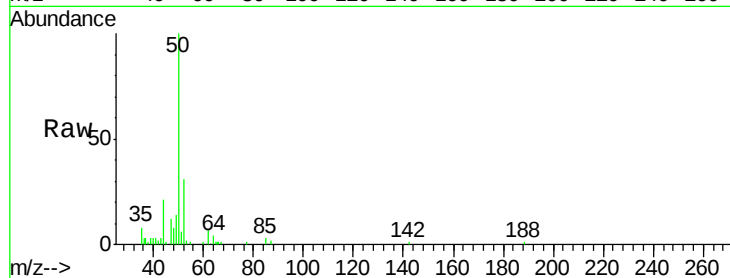
VF0114SBS01

Tot Ion: 50 Resp: 55320

Ion Ratio Lower Upper

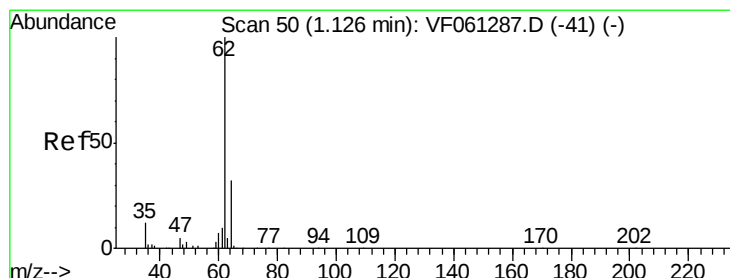
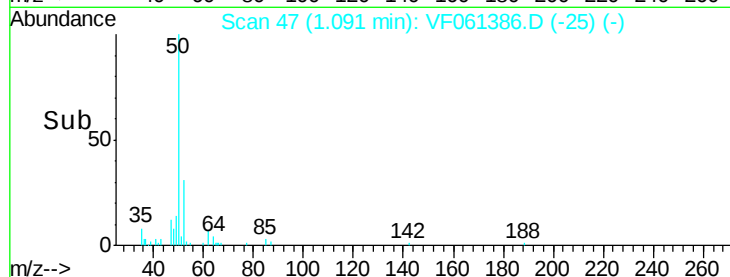
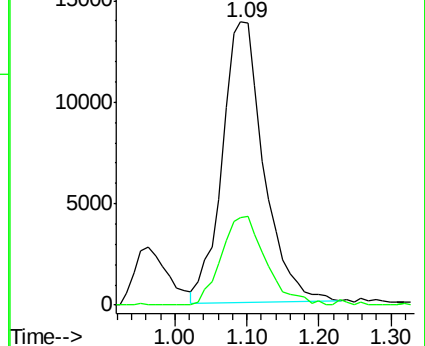
50 100

52 30.8 28.2 42.2



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 18.269 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061386.D

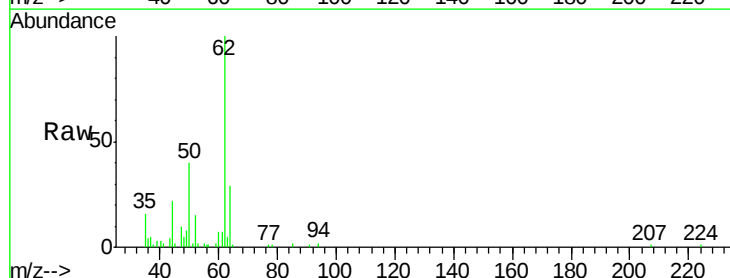
Acq: 14 Jan 2019 13:43

Tgt Ion: 62 Resp: 52089

Ion Ratio Lower Upper

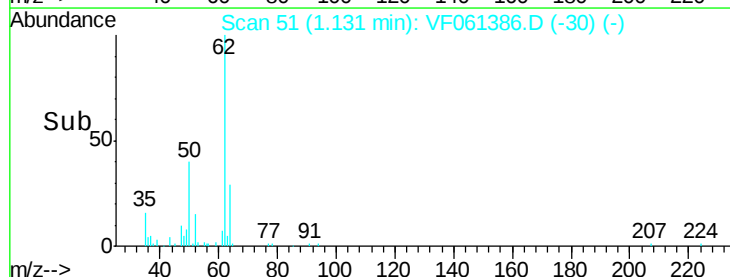
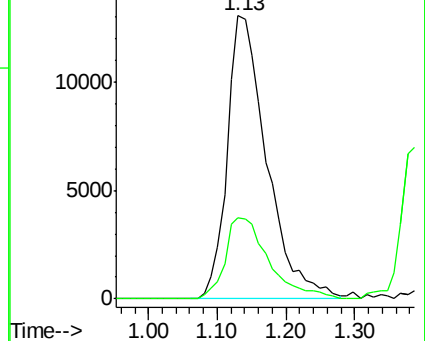
62 100

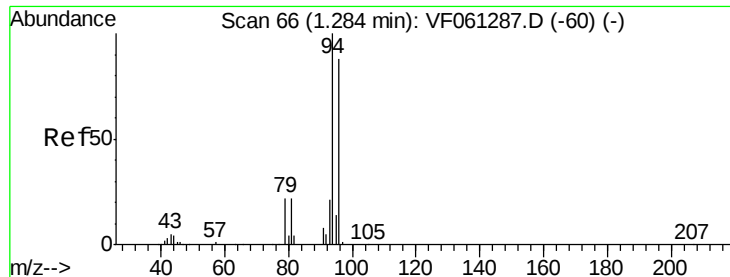
64 28.6 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 14.513 ug/l

RT: 1.31 min Scan# 69

Delta R.T. 0.03 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

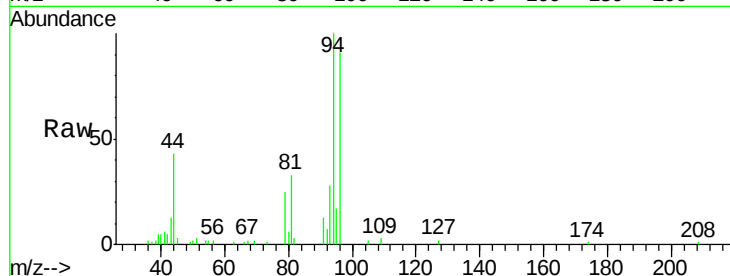
VF0114SBS01

Tot Ion: 94 Resp: 29935

Ion Ratio Lower Upper

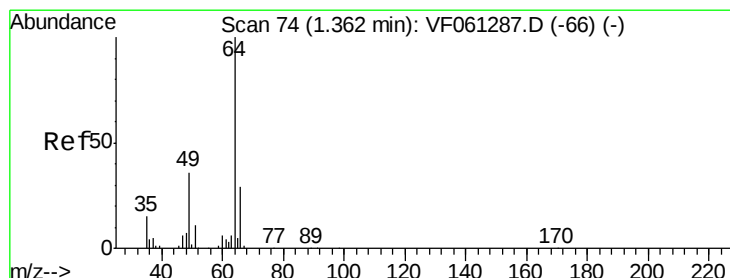
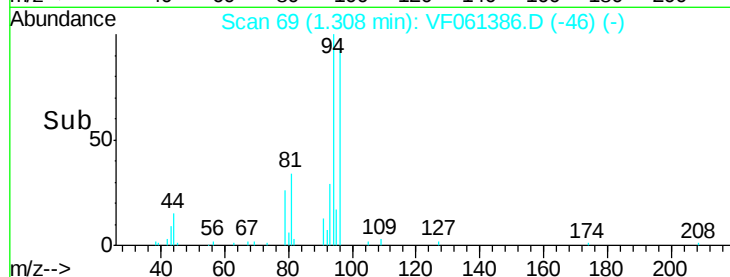
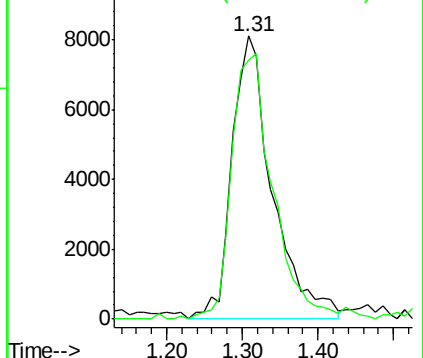
94 100

96 91.5 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 15.903 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.02 min

Lab File: VF061386.D

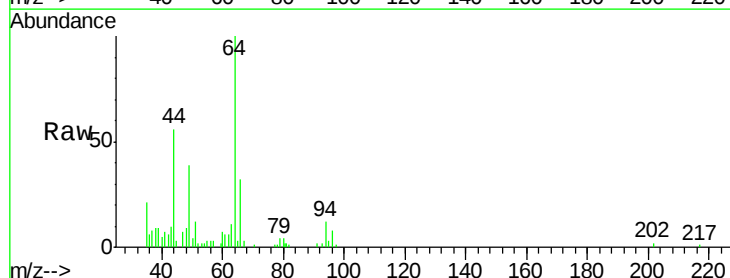
Acq: 14 Jan 2019 13:43

Tgt Ion: 64 Resp: 22142

Ion Ratio Lower Upper

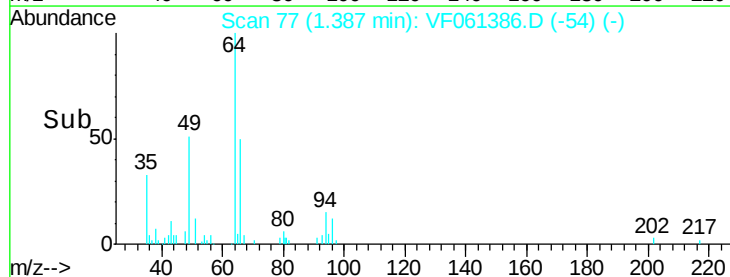
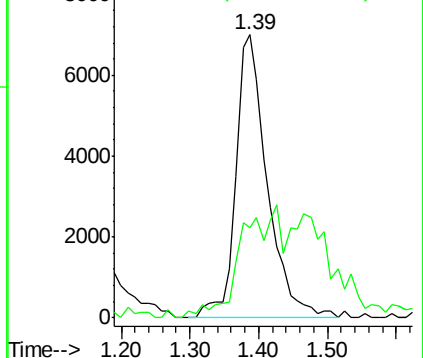
64 100

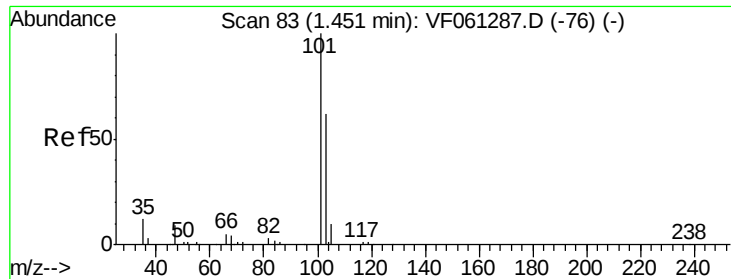
66 31.9 23.4 35.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 18.133 ug/l

RT: 1.47 min Scan# 85

Delta R.T. 0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

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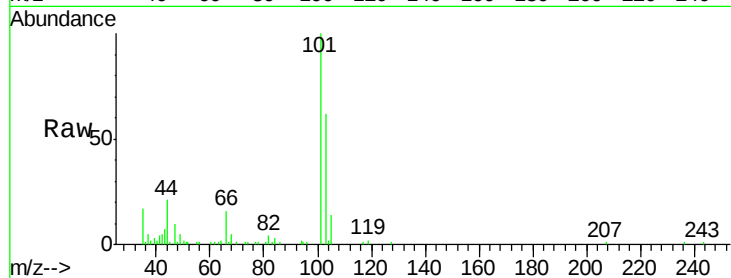
VF0114SBS01

Tot Ion:101 Resp: 87647

Ion Ratio Lower Upper

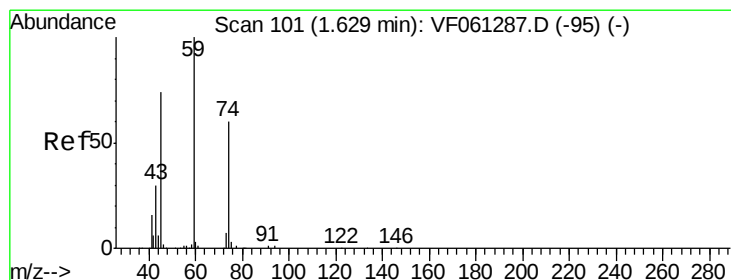
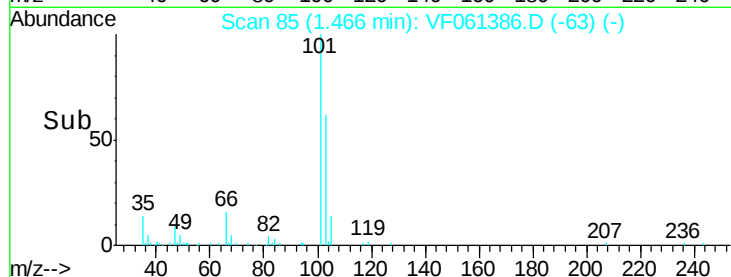
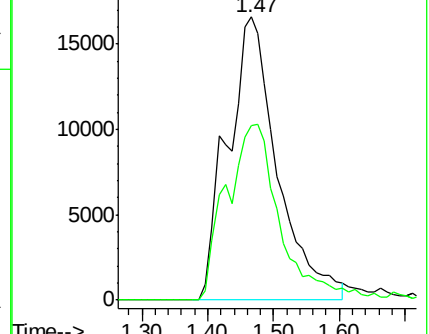
101 100

103 61.6 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 16.395 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061386.D

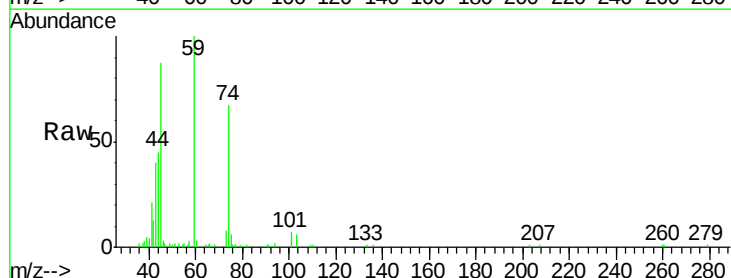
Acq: 14 Jan 2019 13:43

Tgt Ion: 74 Resp: 11637

Ion Ratio Lower Upper

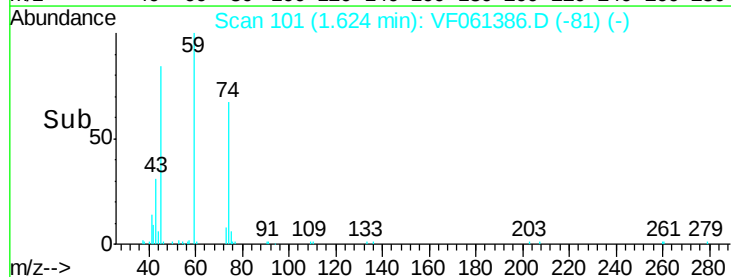
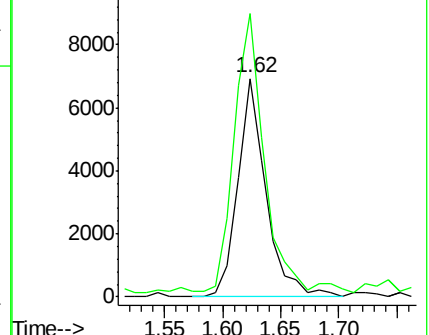
74 100

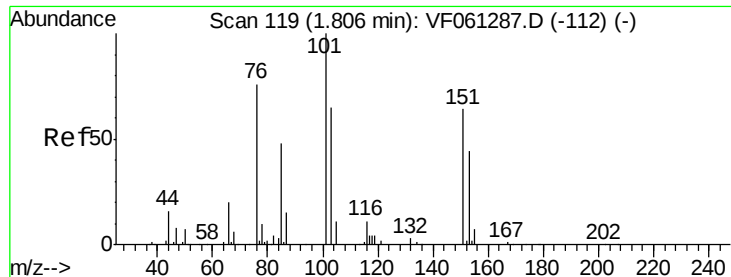
45 129.5 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.390 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

VF0114SBS01

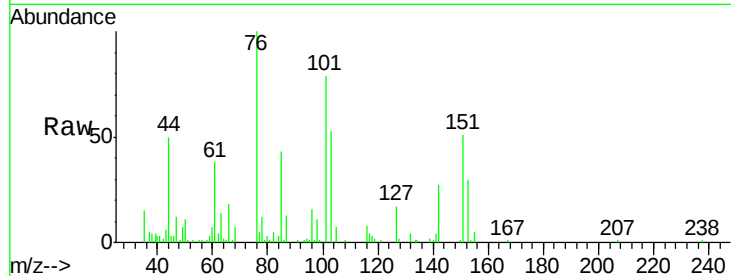
Tot Ion:101 Resp: 41832

Ion Ratio Lower Upper

101 100

85 53.8 38.4 57.6

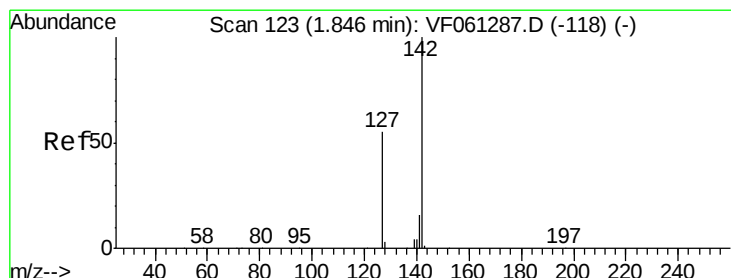
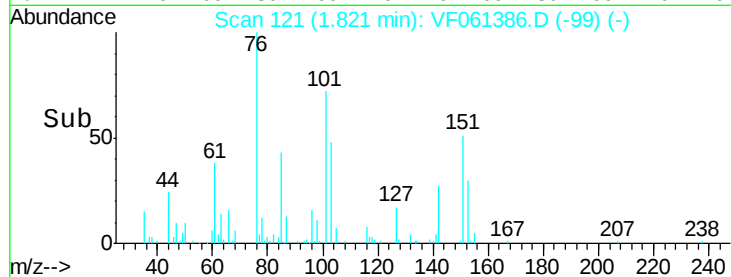
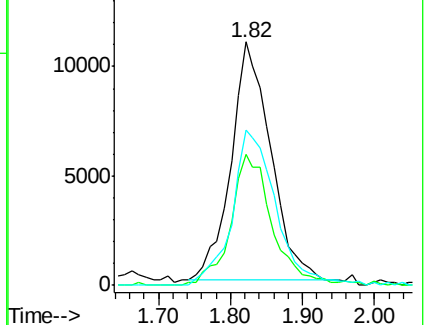
151 64.0 51.4 77.2



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: 17.307 ug/l m

RT: 1.91 min Scan# 130

Delta R.T. 0.06 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

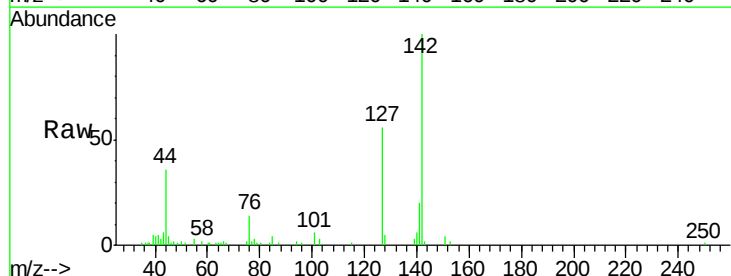
Tgt Ion:142 Resp: 69204

Ion Ratio Lower Upper

142 100

127 55.9 44.3 66.5

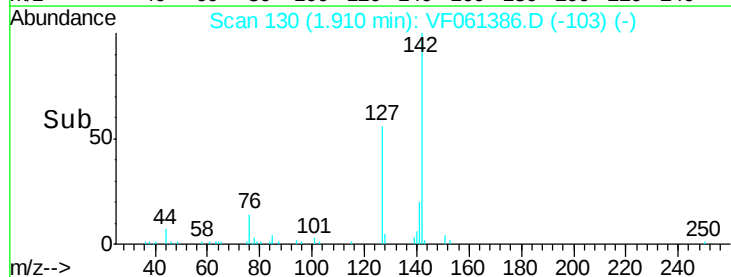
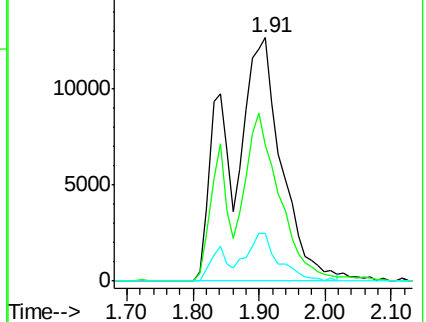
141 19.8 13.2 19.8#

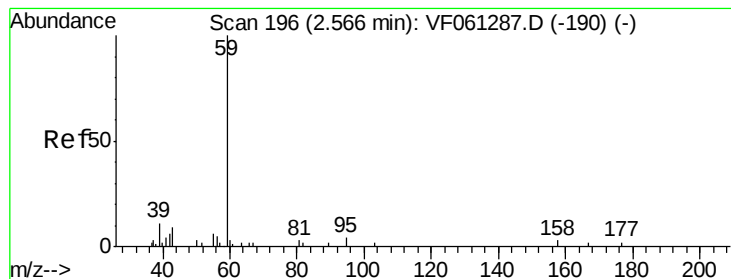


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



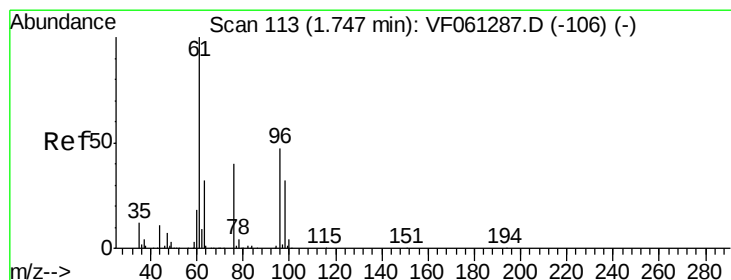
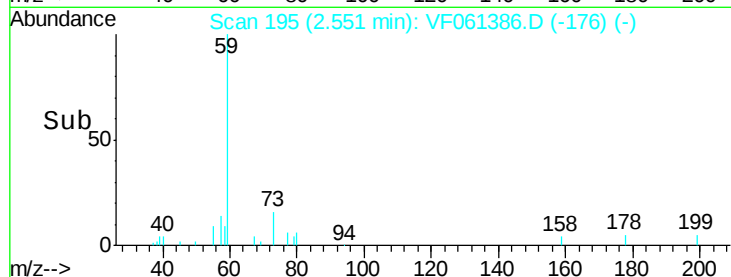
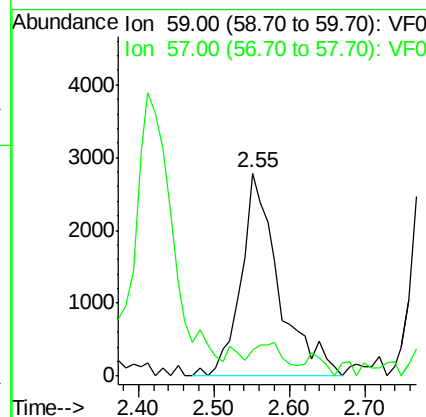
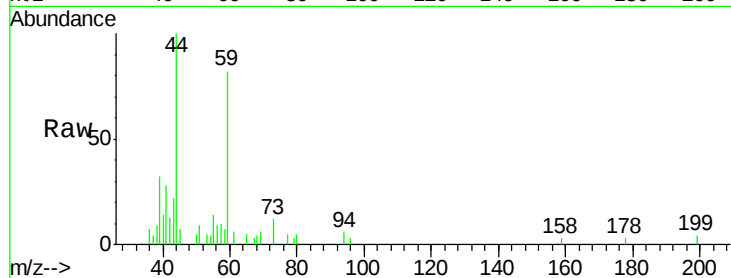


#11

Tert butyl alcohol
 Concen: 111.656 ug/l
 RT: 2.55 min Scan# 195
 Delta R.T. -0.01 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0114SBS01

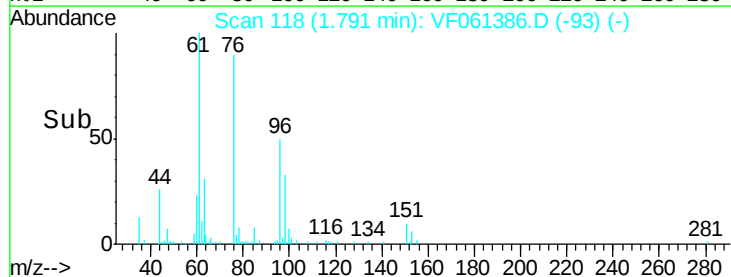
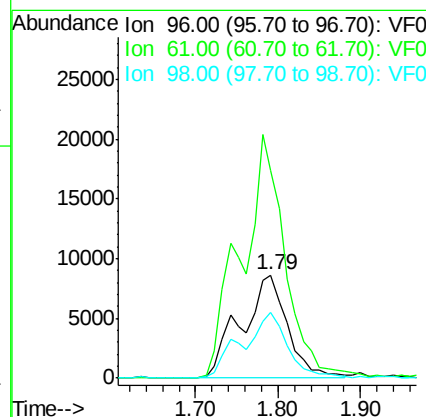
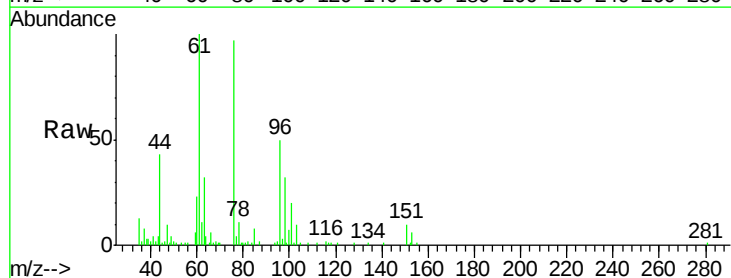
Tot Ion: 59 Resp: 9664
 Ion Ratio Lower Upper
 59 100
 57 12.6 15.1 22.7#

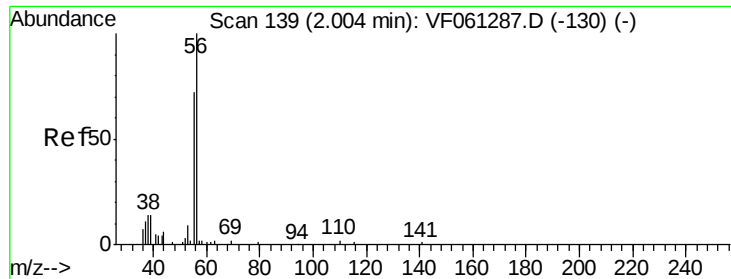


#12

1,1-Dichloroethene
 Concen: 16.649 ug/l m
 RT: 1.79 min Scan# 118
 Delta R.T. 0.04 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Tgt Ion: 96 Resp: 33978
 Ion Ratio Lower Upper
 96 100
 61 200.8 171.8 257.8
 98 64.2 54.2 81.4





#13

Acrolein

Concen: 59.605 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

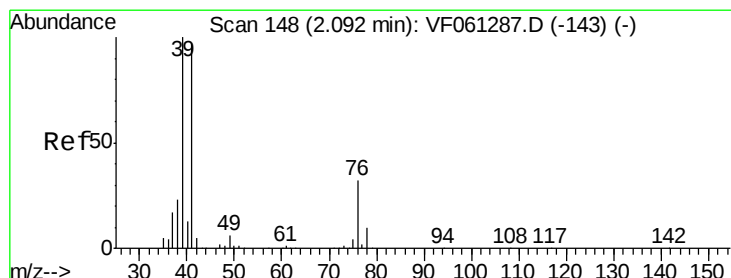
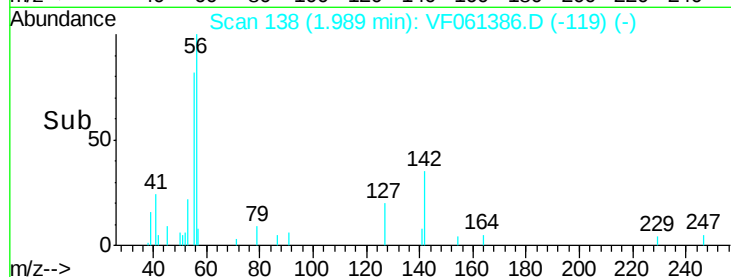
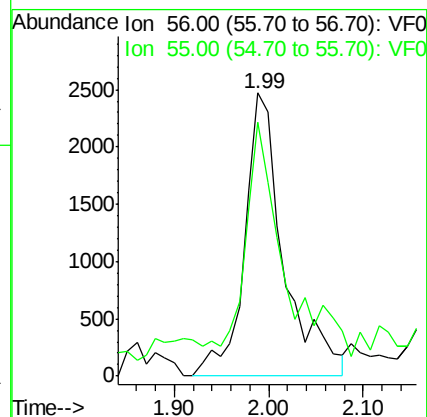
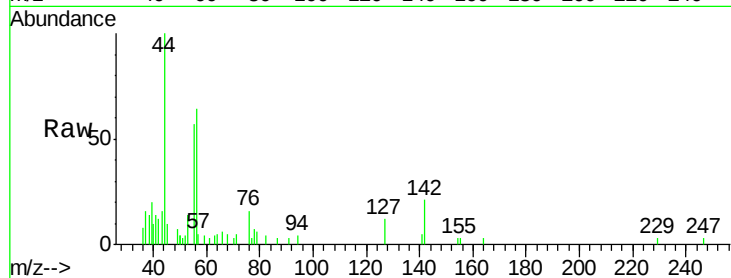
VF0114SBS01

Tot Ion: 56 Resp: 7129

Ion Ratio Lower Upper

56 100

55 89.9 59.4 89.0#



#14

Allyl chloride

Concen: 15.666 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

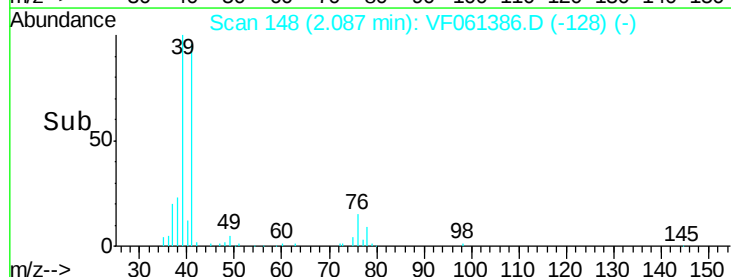
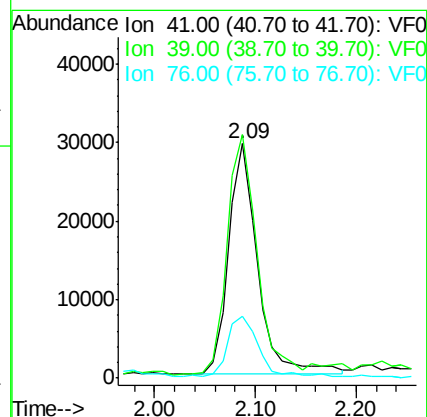
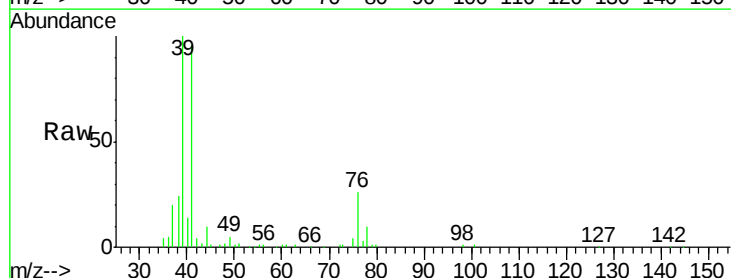
Tgt Ion: 41 Resp: 58440

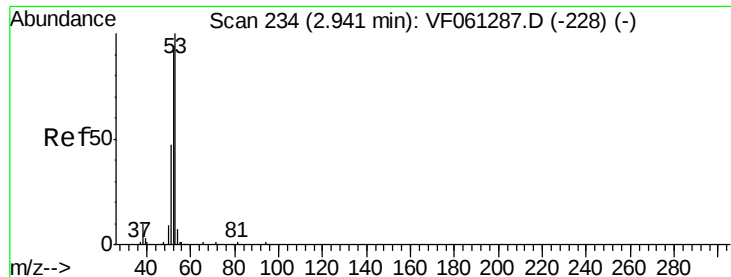
Ion Ratio Lower Upper

41 100

39 104.0 82.6 123.8

76 26.7 26.9 40.3#





#15

Acrylonitrile

Concen: 84.671 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

VF0114SBS01

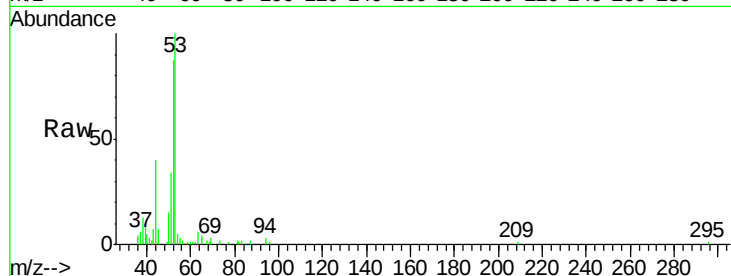
Tot Ion: 53 Resp: 25979

Ion Ratio Lower Upper

53 100

52 86.8 74.6 111.8

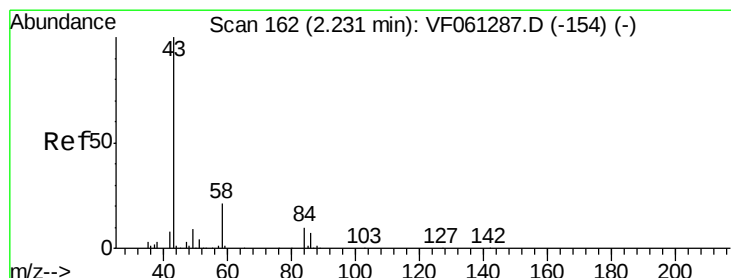
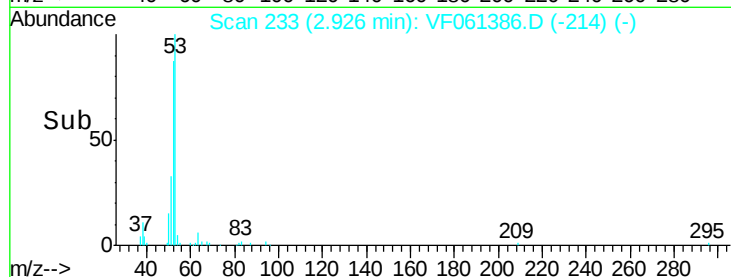
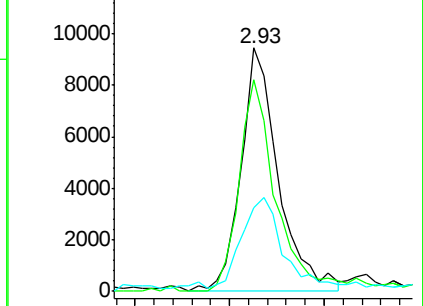
51 34.3 37.8 56.6#



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: 107.499 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061386.D

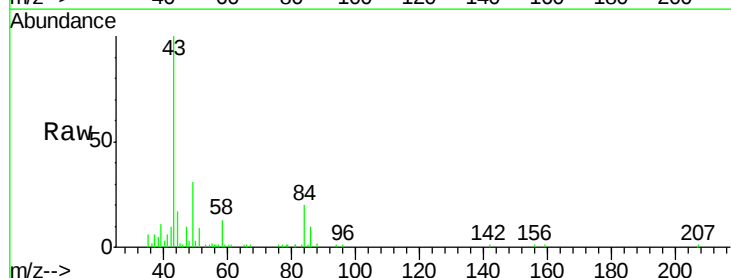
Acq: 14 Jan 2019 13:43

Tgt Ion: 43 Resp: 54058

Ion Ratio Lower Upper

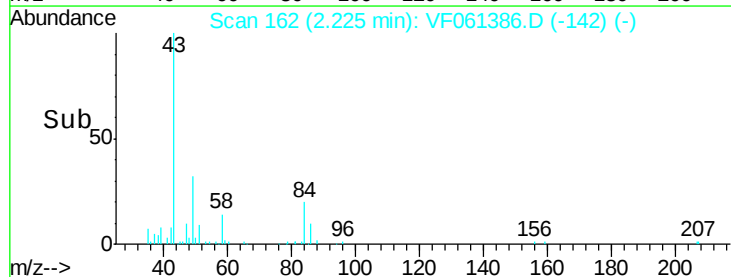
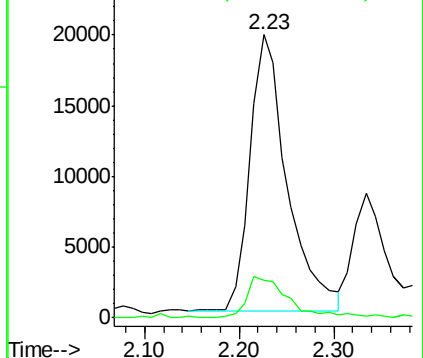
43 100

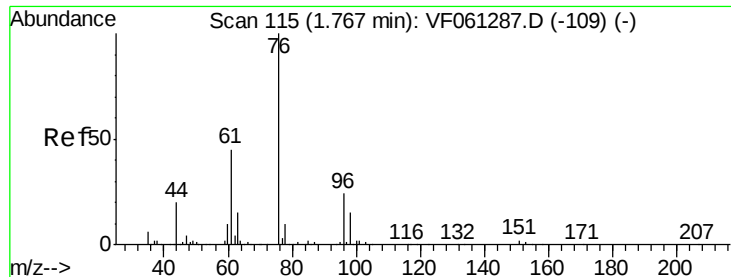
58 13.3 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

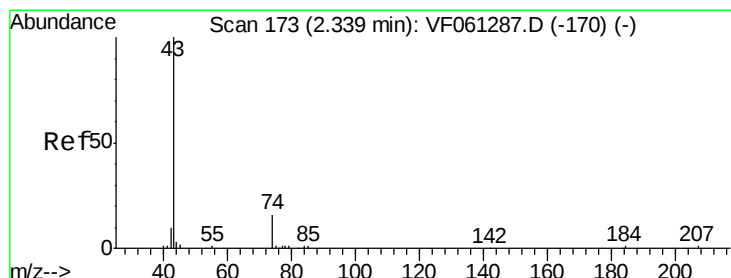
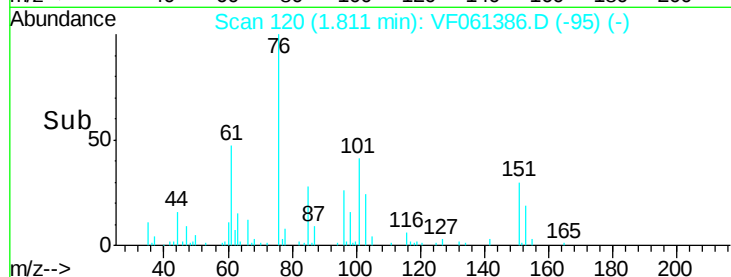
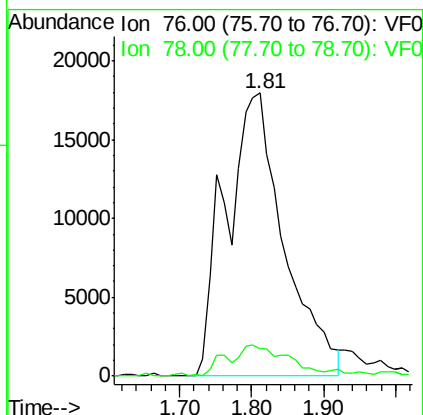
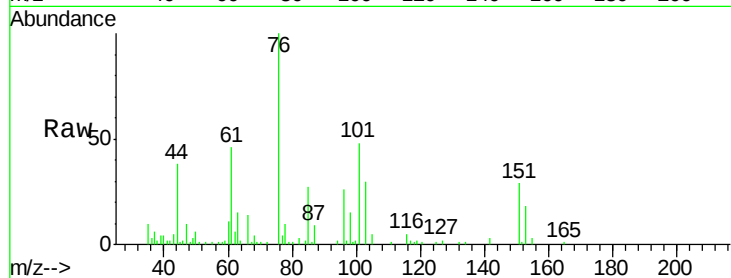




#17
Carbon Disulfide
Concen: 15.006 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.04 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

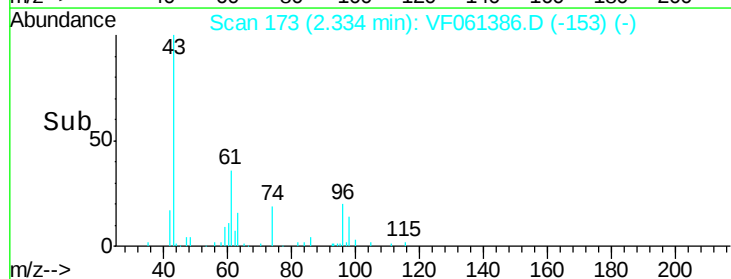
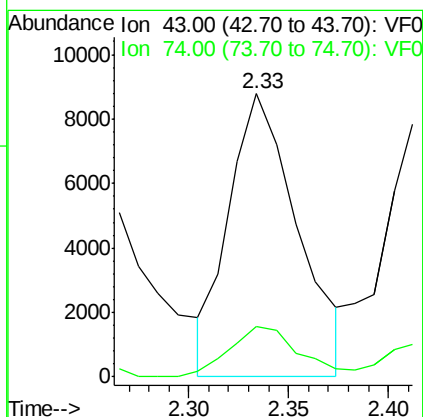
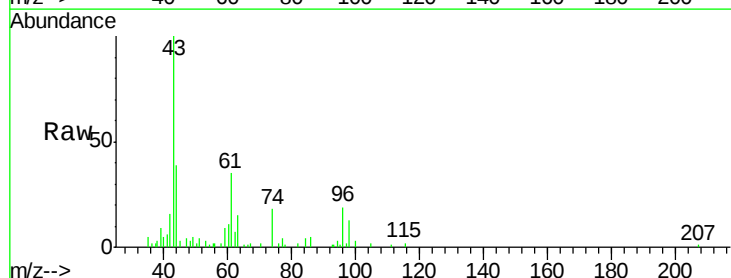
Instrument :
MSVOA_F
ClientSampleId :
VF0114SBS01

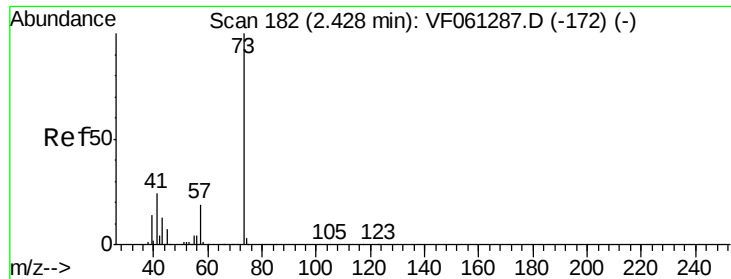
Tot Ion: 76 Resp: 101157
Ion Ratio Lower Upper
76 100
78 9.9 7.8 11.6



#18
Methyl Acetate
Concen: 21.353 ug/l m
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Tgt Ion: 43 Resp: 21126
Ion Ratio Lower Upper
43 100
74 17.7 11.6 17.4#



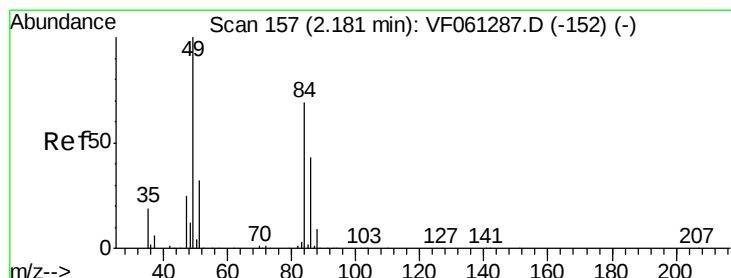
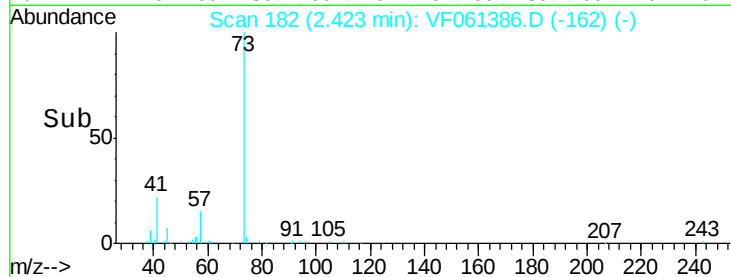
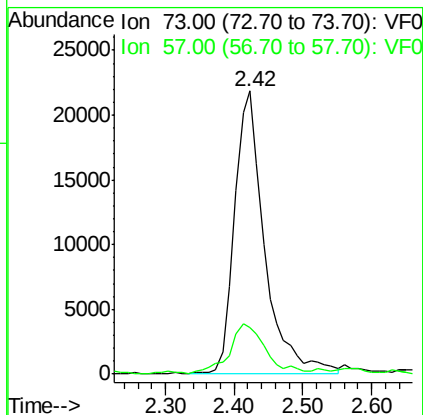
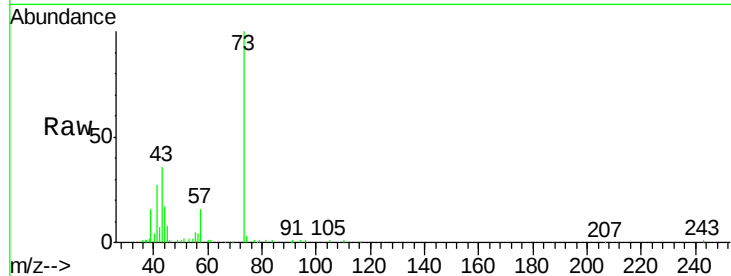


#19

Methyl tert-butyl Ether
 Concen: 17.064 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0114SBS01

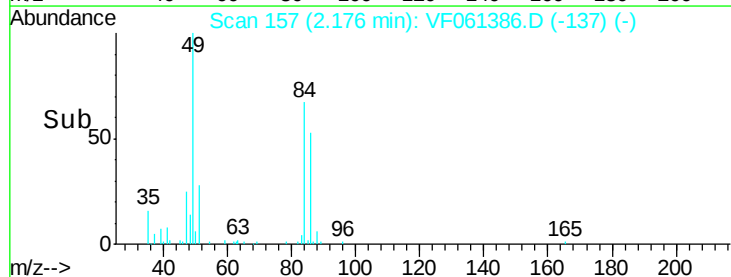
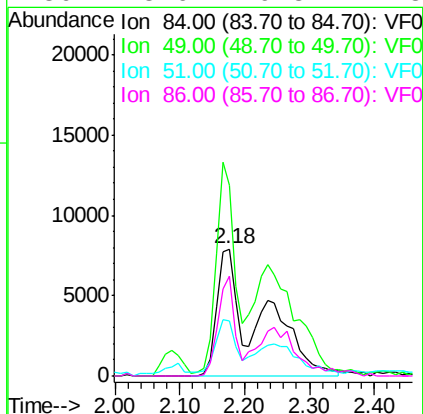
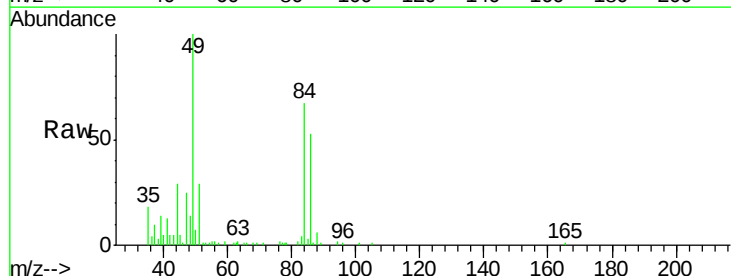
Tot Ion: 73 Resp: 66363
 Ion Ratio Lower Upper
 73 100
 57 16.5 15.5 23.3

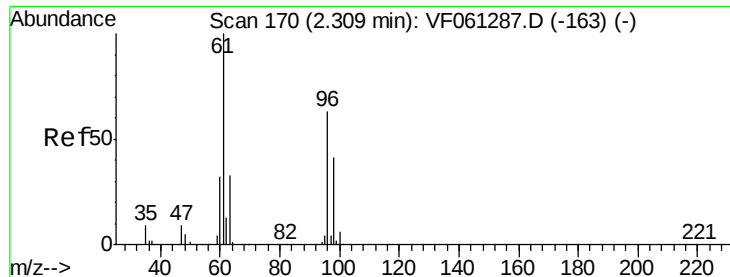


#20

Methylene Chloride
 Concen: 16.825 ug/l m
 RT: 2.18 min Scan# 157
 Delta R.T. -0.01 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Tgt Ion: 84 Resp: 35795
 Ion Ratio Lower Upper
 84 100
 49 149.6 116.6 175.0
 51 43.4 37.7 56.5
 86 78.6 49.8 74.8#





#21

trans-1,2-Dichloroethene

Concen: 16.984 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

VF0114SBS01

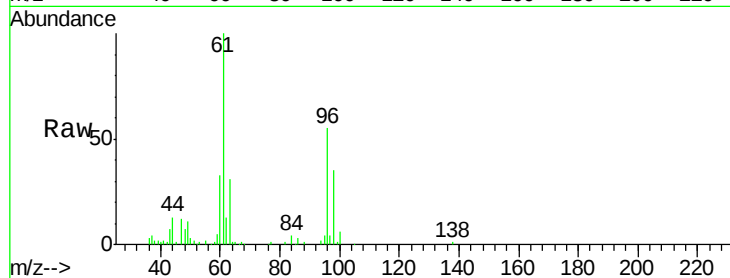
Tot Ion: 96 Resp: 36731

Ion Ratio Lower Upper

96 100

61 182.1 127.0 190.4

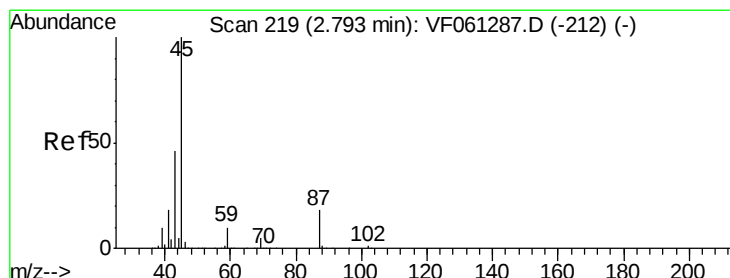
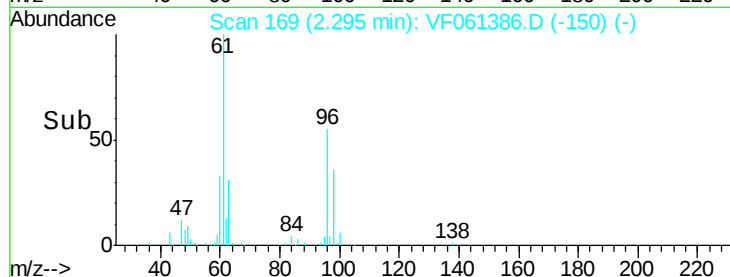
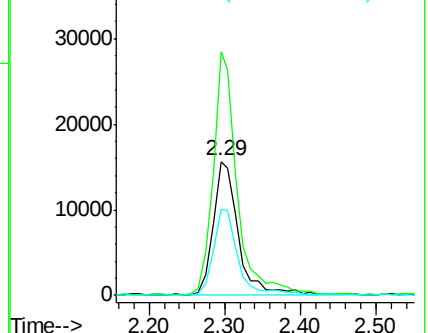
98 64.6 51.7 77.5



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: 16.941 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Tgt Ion: 45 Resp: 122264

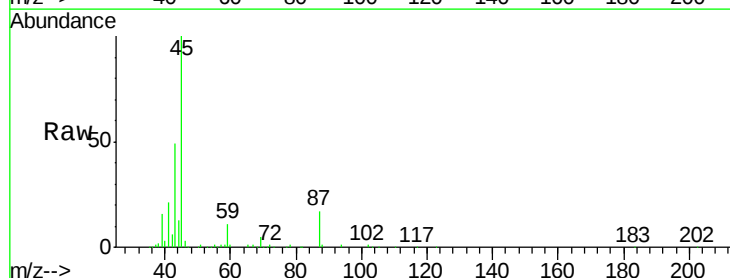
Ion Ratio Lower Upper

45 100

43 49.4 37.4 56.2

87 16.8 14.2 21.2

59 11.2 8.2 12.2

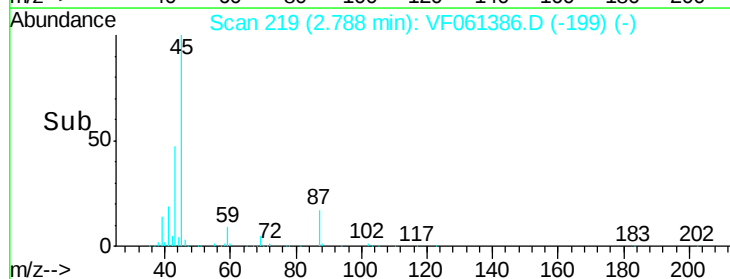
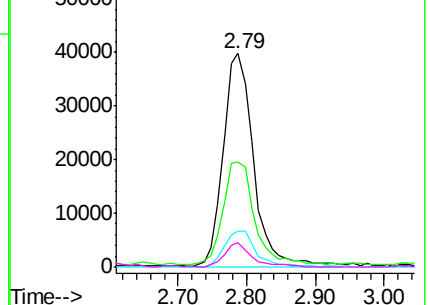


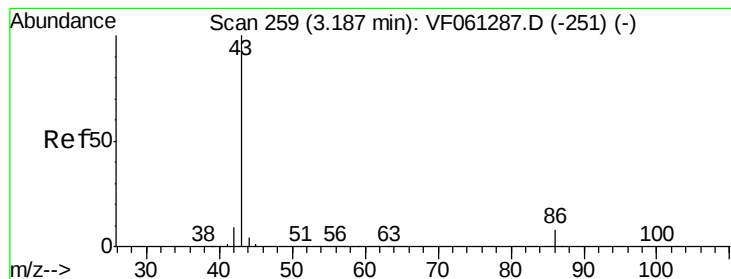
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 116.550 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

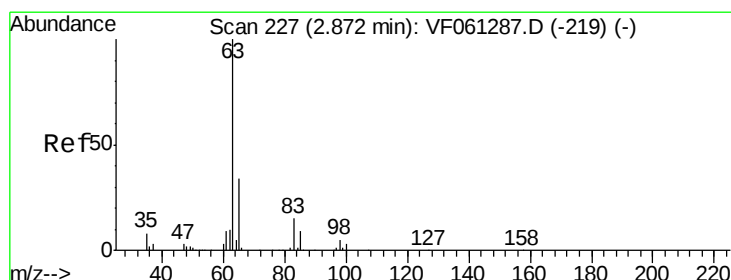
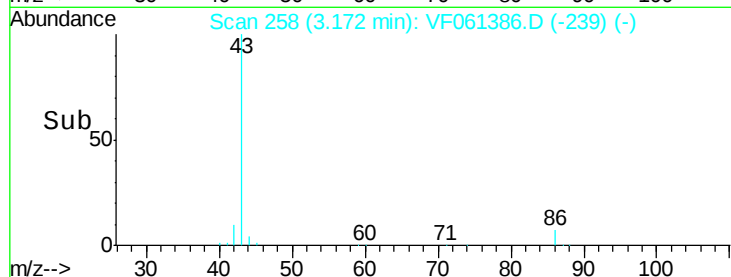
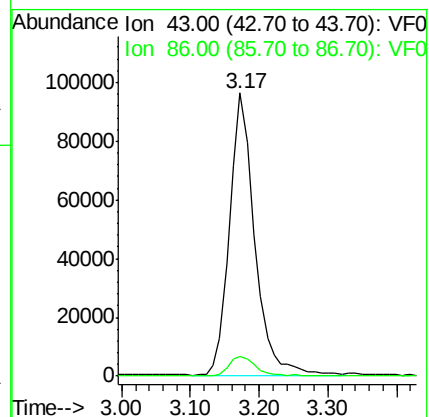
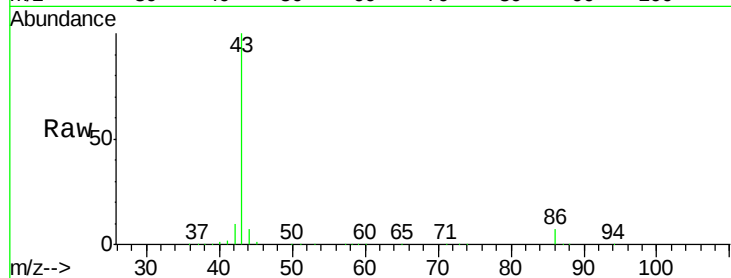
VF0114SBS01

Tot Ion: 43 Resp: 245992

Ion Ratio Lower Upper

43 100

86 6.9 6.5 9.7



#24

1,1-Dichloroethane

Concen: 17.228 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

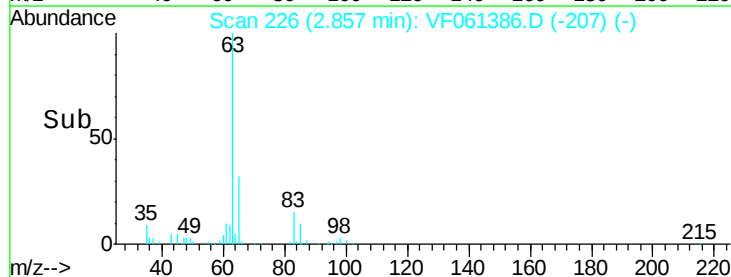
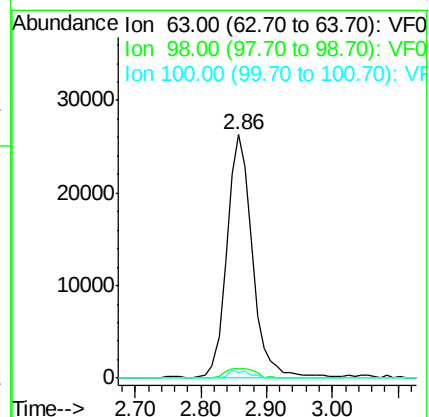
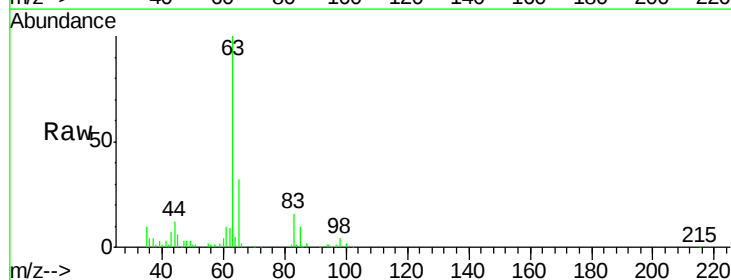
Tgt Ion: 63 Resp: 71923

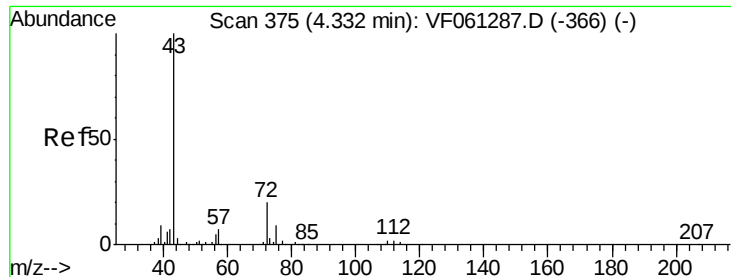
Ion Ratio Lower Upper

63 100

98 4.0 2.5 7.6

100 2.1 1.7 5.0





#25

2-Butanone

Concen: 103.695 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

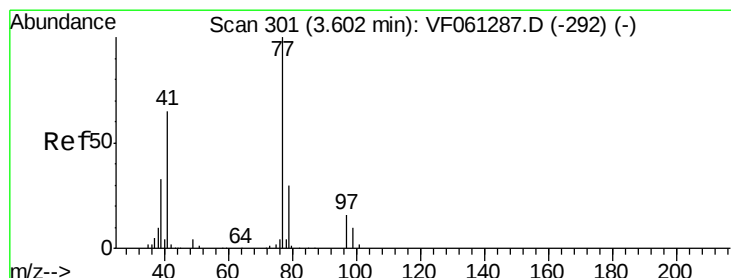
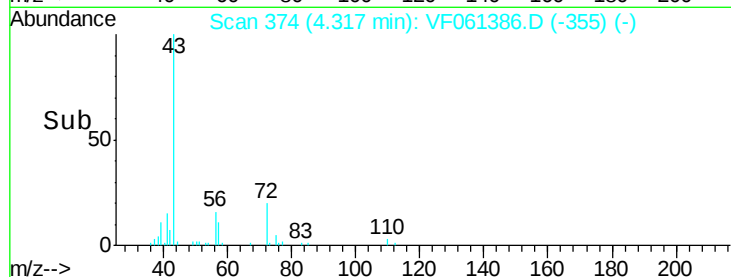
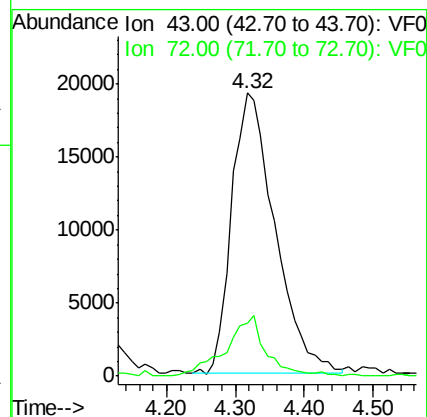
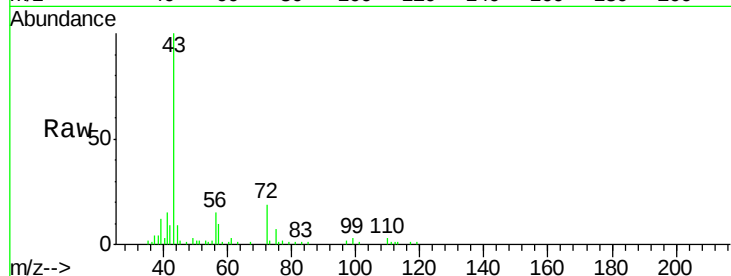
VF0114SBS01

Tot Ion: 43 Resp: 83927

Ion Ratio Lower Upper

43 100

72 18.8 16.5 24.7



#26

2,2-Dichloropropane

Concen: 17.127 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF061386.D

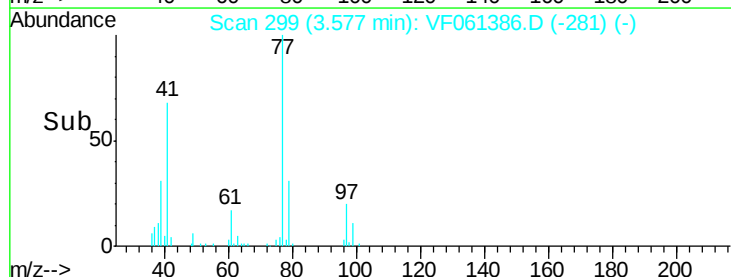
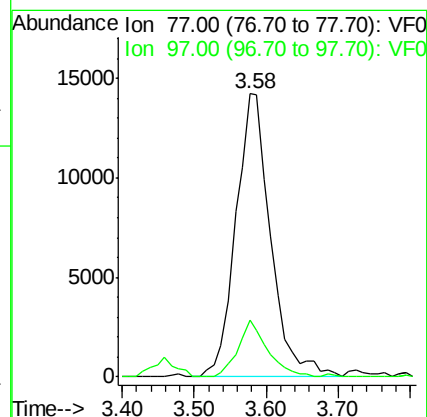
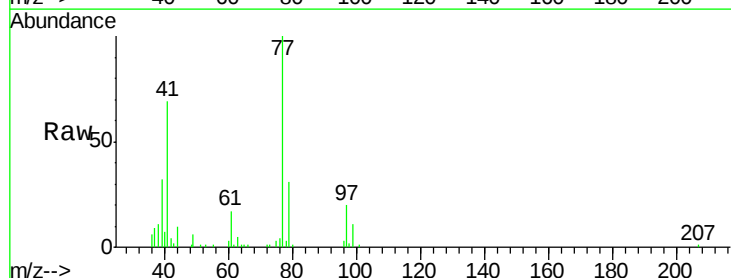
Acq: 14 Jan 2019 13:43

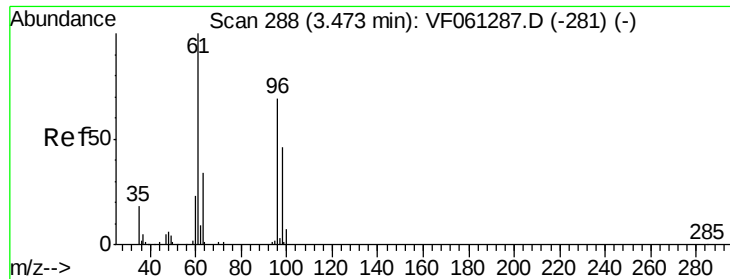
Tgt Ion: 77 Resp: 47779

Ion Ratio Lower Upper

77 100

97 20.3 8.6 25.9



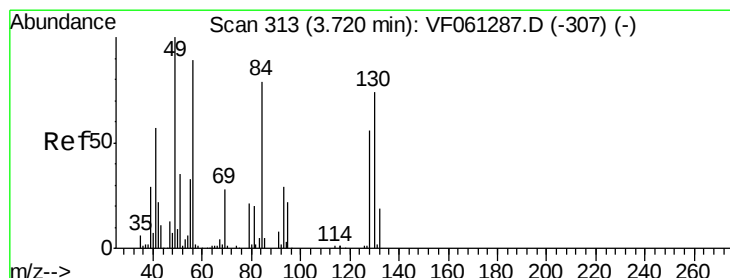
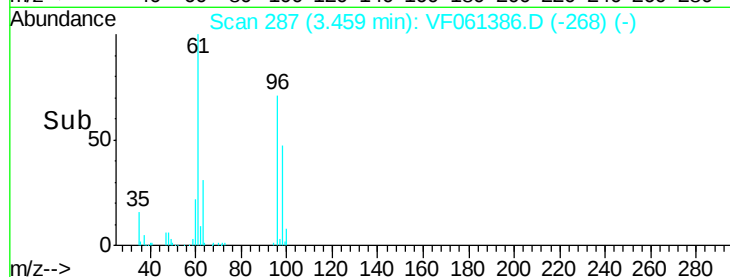
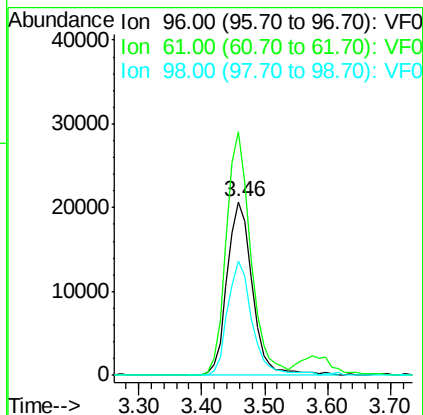
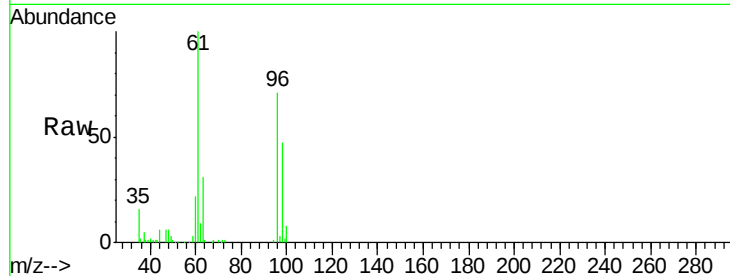


#27

cis-1,2-Dichloroethene
Concen: 19.147 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Instrument :
MSVOA_F
ClientSampleId :
VF0114SBS01

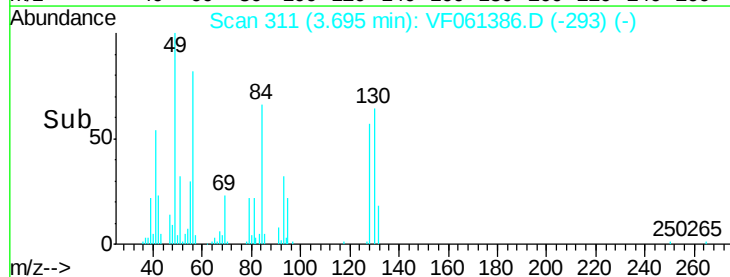
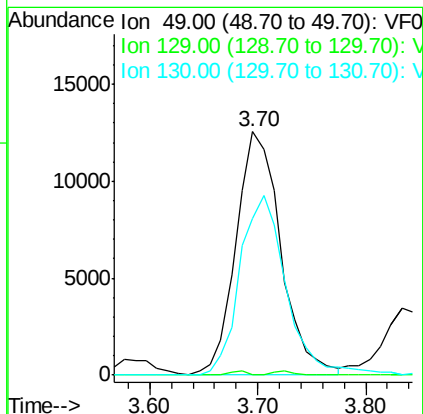
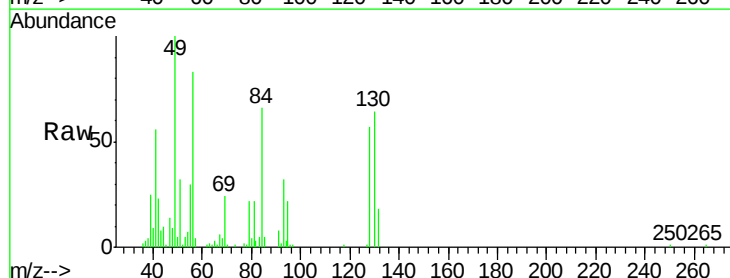
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	288.2
98	65.4	0.0	132.2

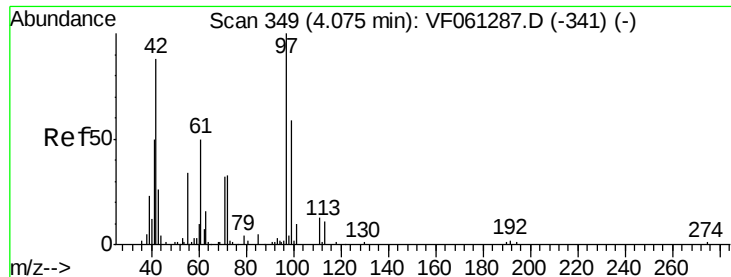


#28

Bromochloromethane
Concen: 19.790 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	64.3	58.6	88.0

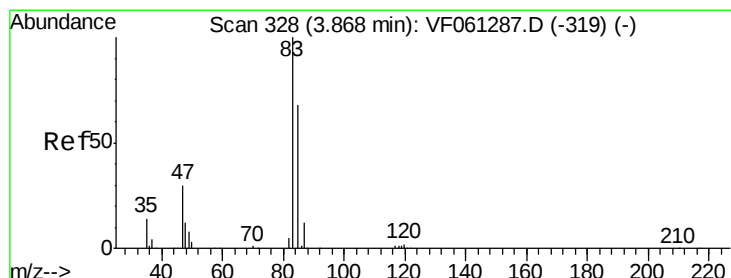
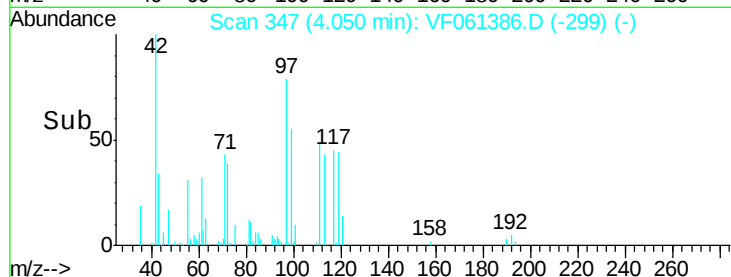
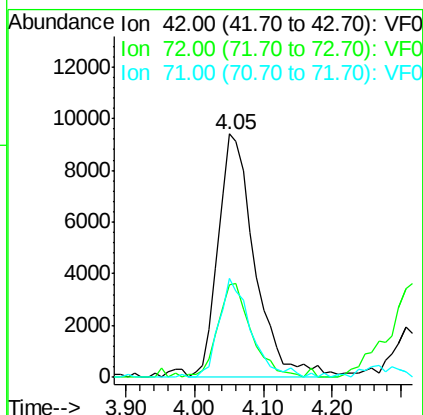
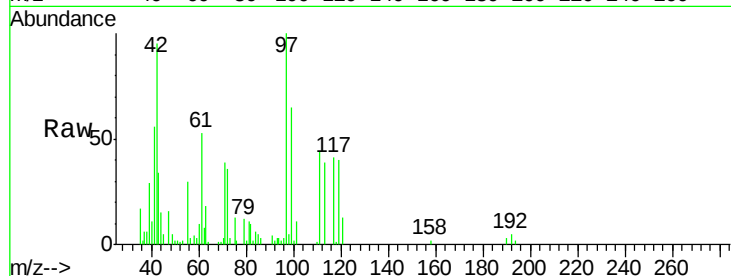




#29
Tetrahydrofuran
Concen: 102.724 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

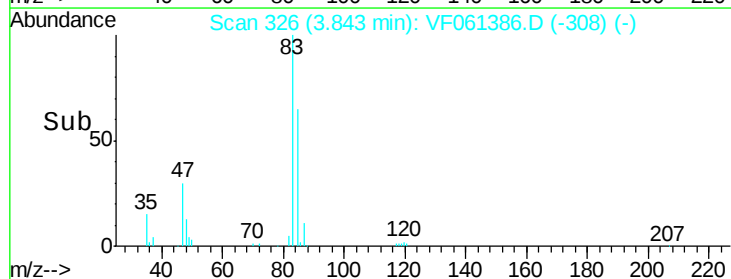
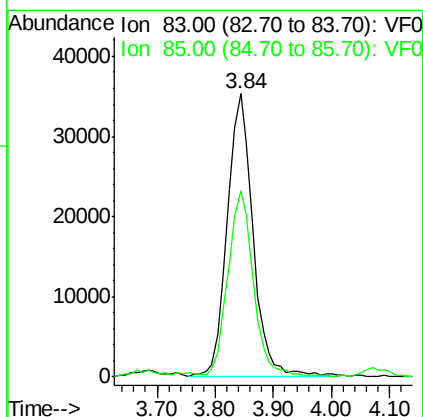
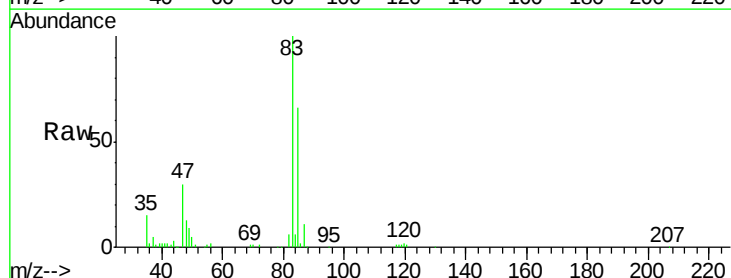
Instrument :
MSVOA_F
ClientSampleId :
VF0114SBS01

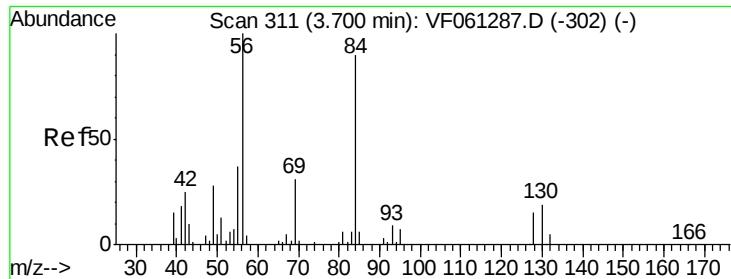
Tot Ion: 42 Resp: 34762
Ion Ratio Lower Upper
42 100
72 35.3 32.3 48.5
71 35.3 29.5 44.3



#30
Chloroform
Concen: 20.682 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Tgt Ion: 83 Resp: 109608
Ion Ratio Lower Upper
83 100
85 65.8 54.4 81.6





#31

Cyclohexane

Concen: 18.641 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.03 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

VF0114SBS01

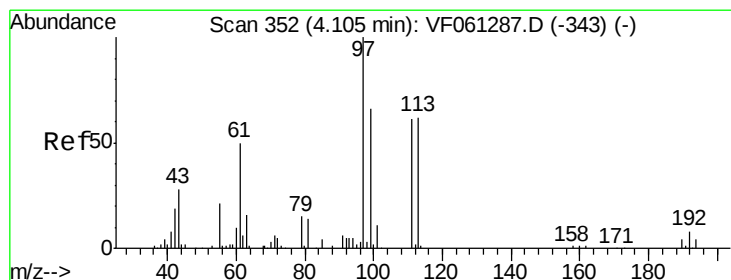
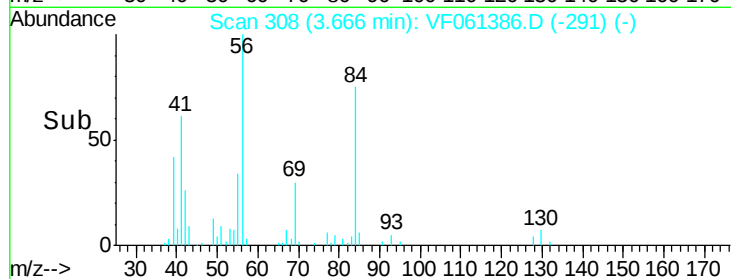
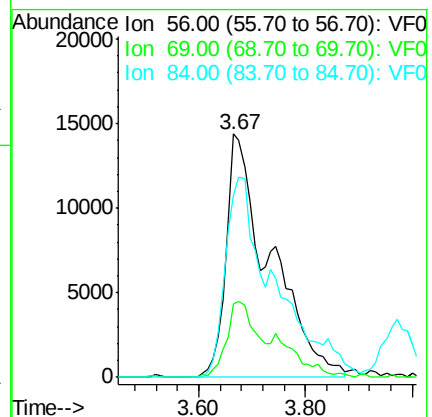
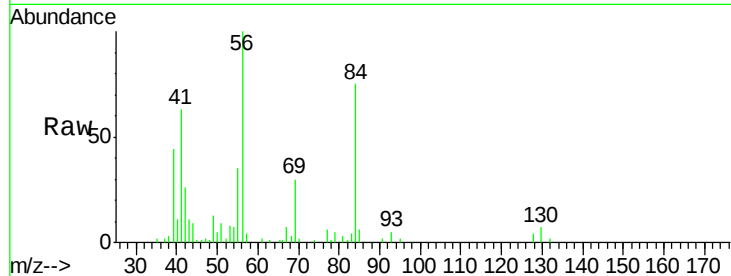
Tot Ion: 56 Resp: 81643

Ion Ratio Lower Upper

56 100

69 30.1 24.7 37.1

84 74.8 72.2 108.4



#32

1,1,1-Trichloroethane

Concen: 16.994 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

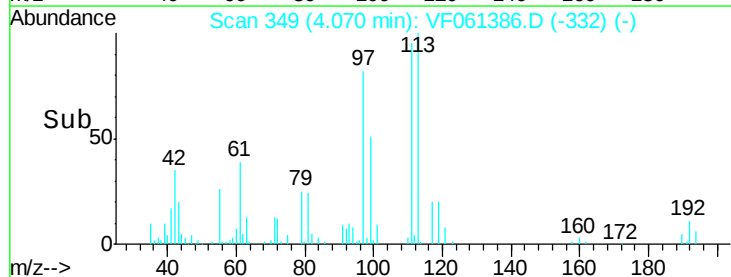
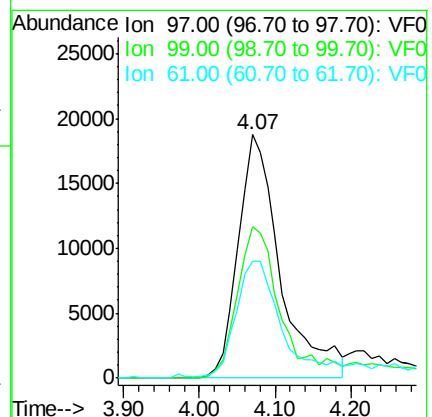
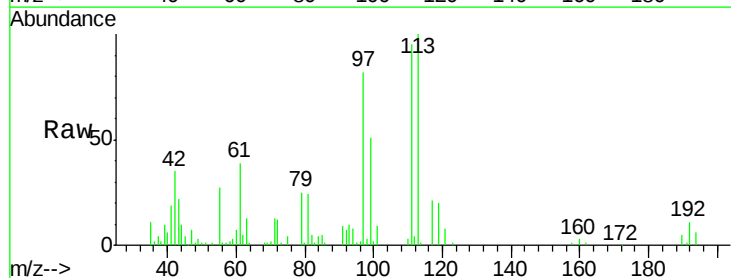
Tgt Ion: 97 Resp: 72746

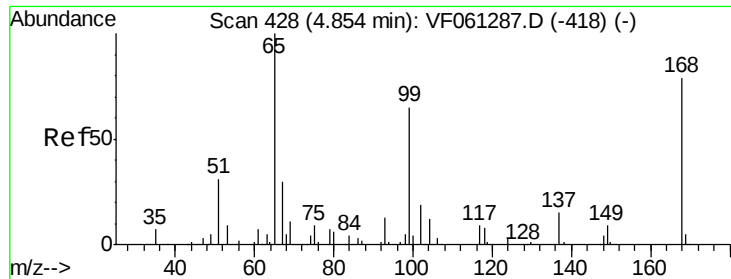
Ion Ratio Lower Upper

97 100

99 62.3 52.7 79.1

61 47.8 40.8 61.2

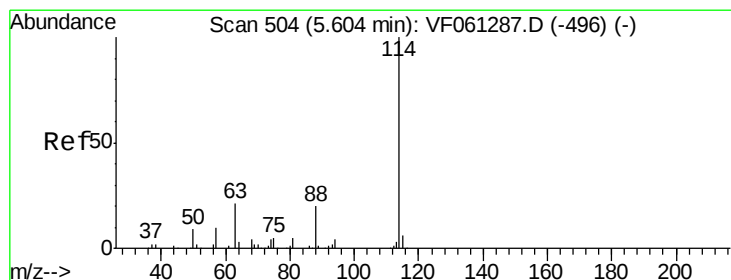
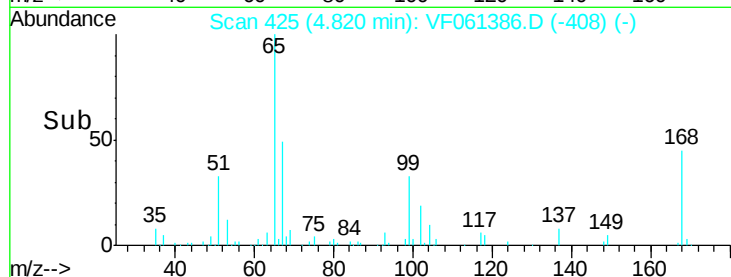
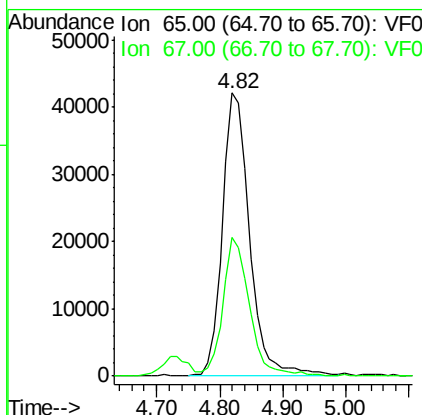
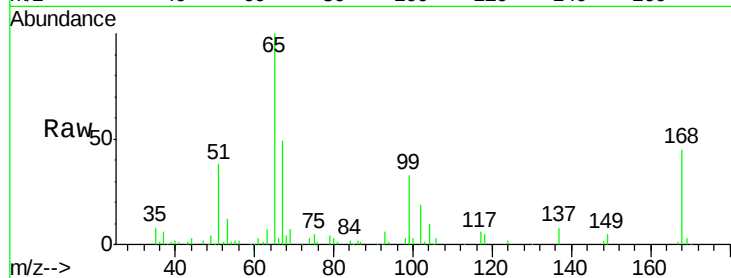




#33
 1,2-Dichloroethane-d4
 Concen: 57.871 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.03 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

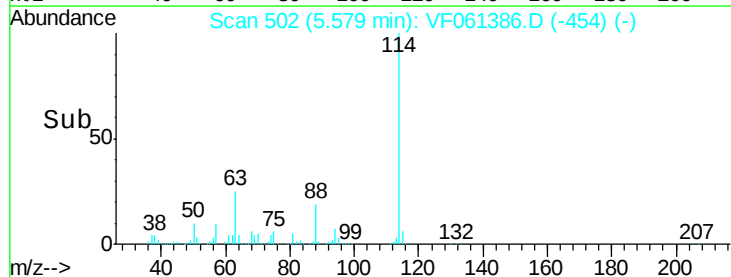
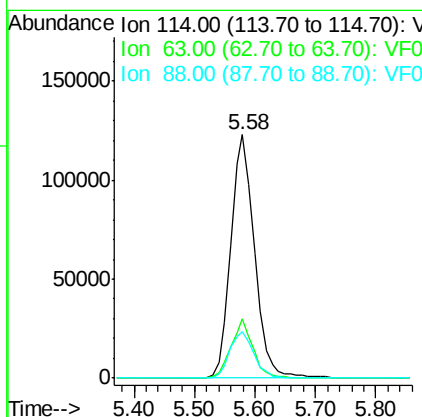
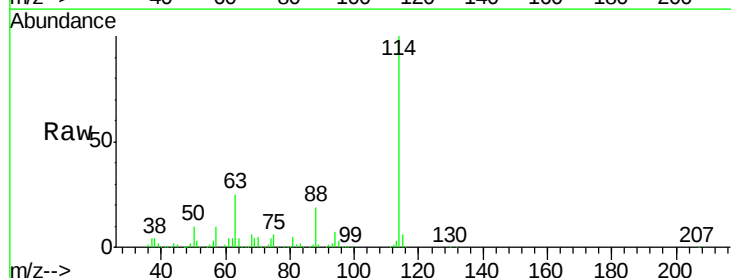
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0114SBS01

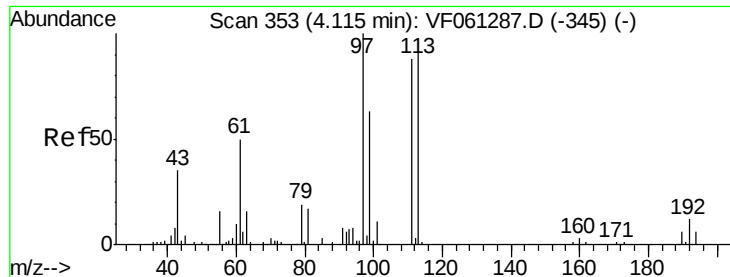
Tot Ion: 65 Resp: 125101
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Tgt Ion: 114 Resp: 334443
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 42.8
 88 18.8 0.0 40.0

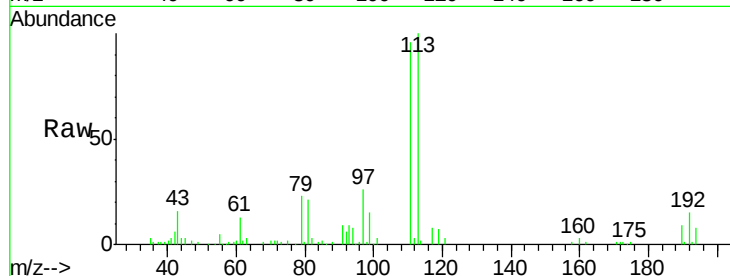




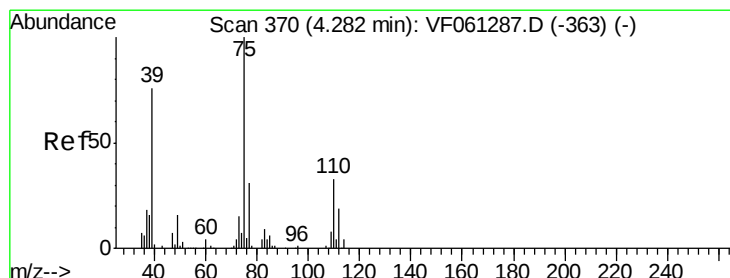
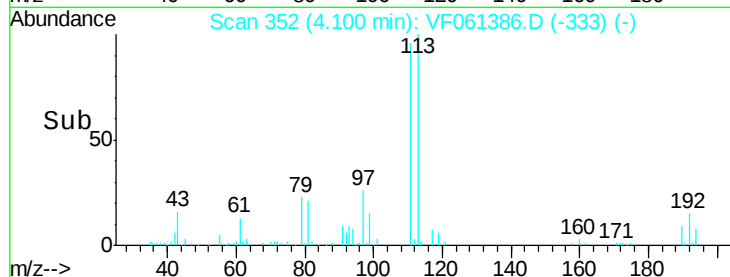
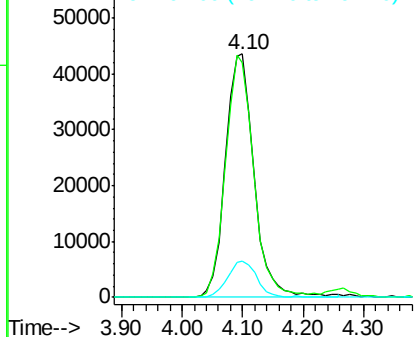
#35
 Dibromofluoromethane
 Concen: 56.057 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0114SBS01

Tot Ion:113 Resp: 143452
 Ion Ratio Lower Upper
 113 100
 111 96.5 78.0 117.0
 192 14.9 10.6 16.0

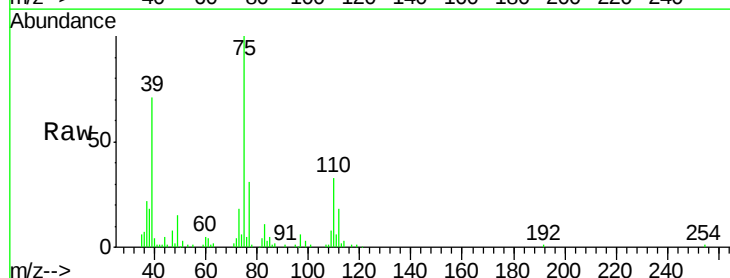


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

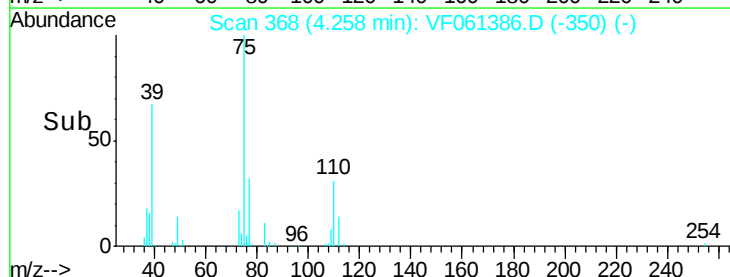
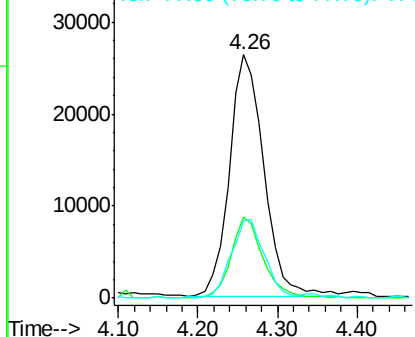


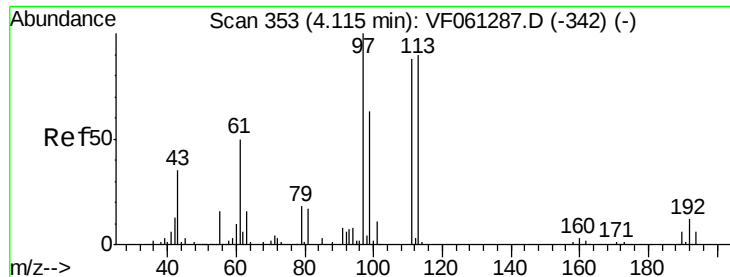
#36
 1,1-Dichloropropene
 Concen: 20.235 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.02 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Tgt Ion: 75 Resp: 79029
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.6 49.8
 77 31.5 25.1 37.7



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

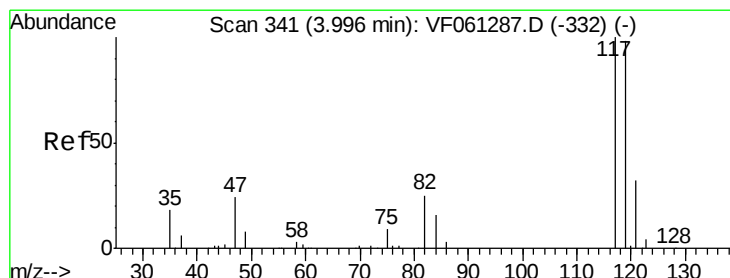
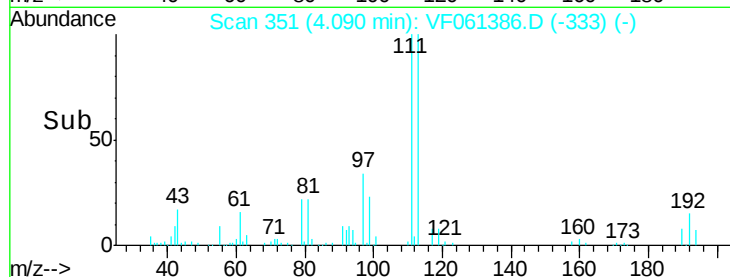
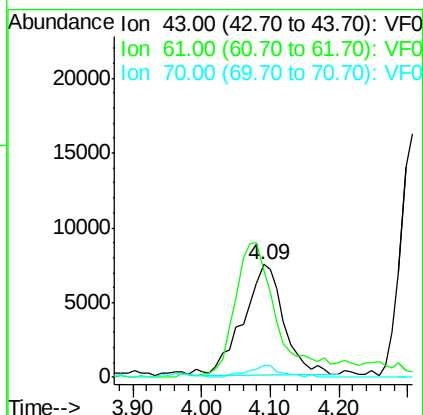
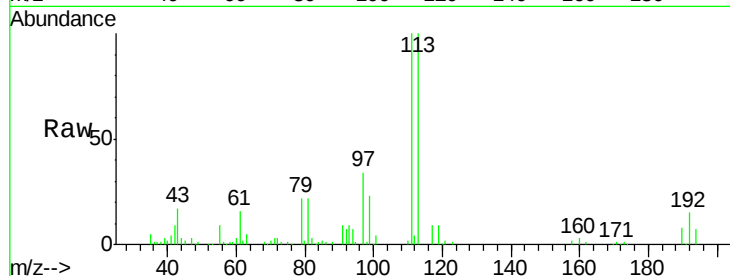




#37
Ethyl Acetate
Concen: 21.224 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

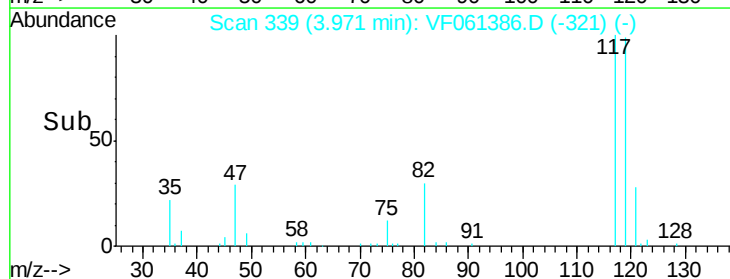
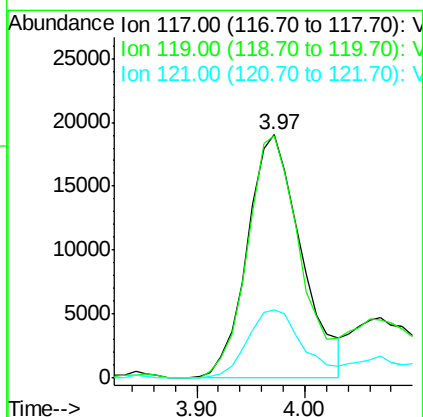
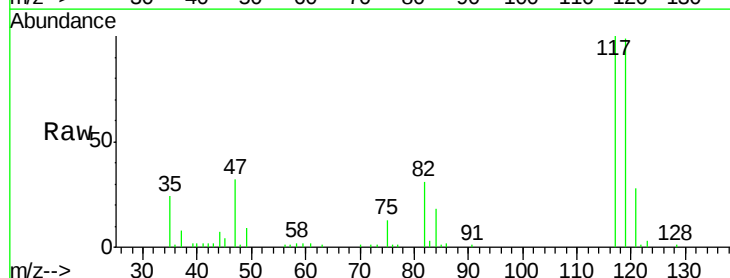
Instrument :
MSVOA_F
ClientSampleId :
VF0114SBS01

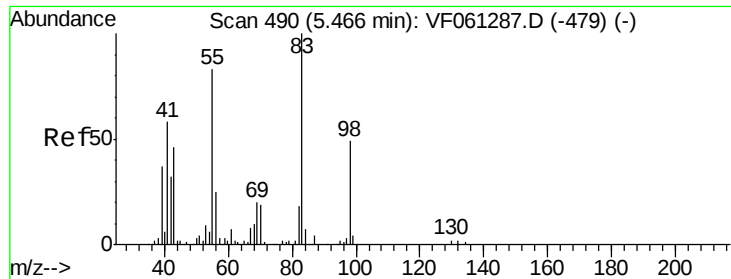
Tot Ion: 43 Resp: 30185
Ion Ratio Lower Upper
43 100
61 94.0 113.3 169.9#
70 10.6 9.4 14.0



#38
Carbon Tetrachloride
Concen: 17.863 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Tgt Ion: 117 Resp: 66075
Ion Ratio Lower Upper
117 100
119 99.5 78.5 117.7
121 28.9 25.3 37.9

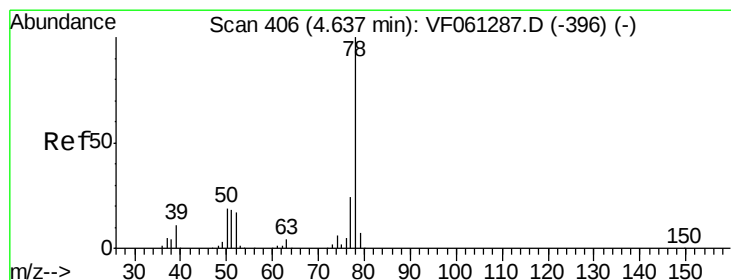
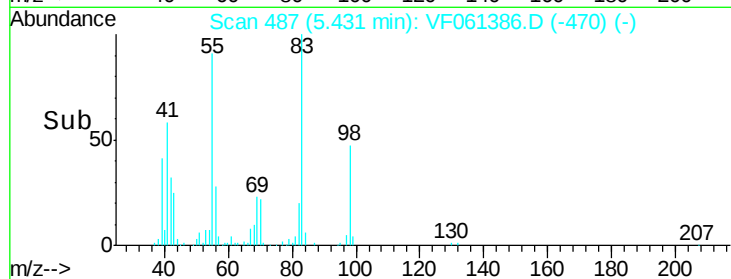
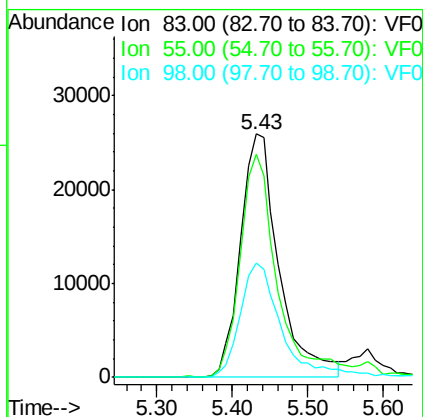
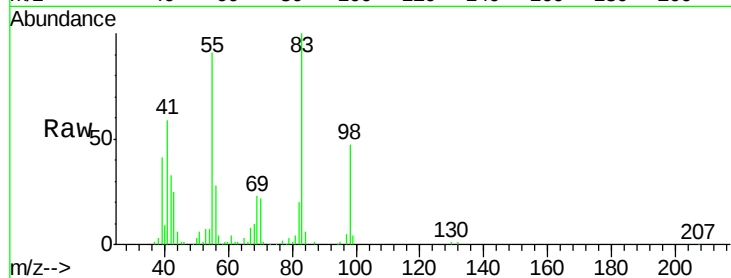




#39
Methvlcvclohexane
Concen: 18.787 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.03 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

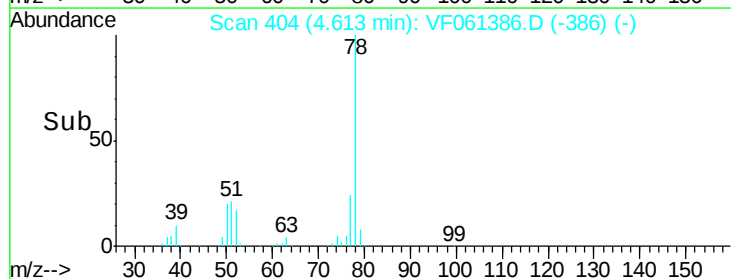
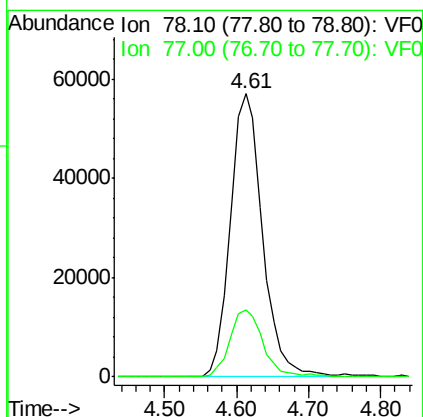
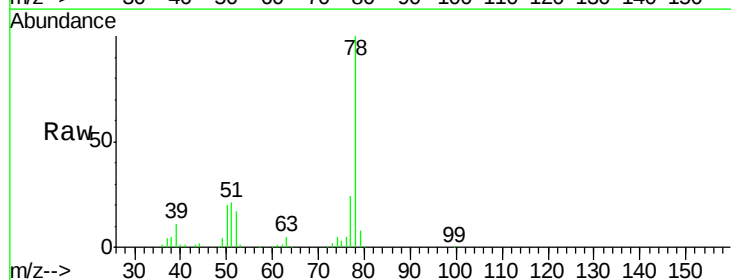
Instrument :
MSVOA_F
ClientSampleId :
VF0114SBS01

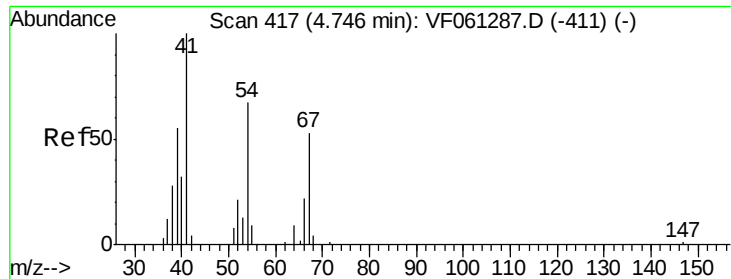
Tot Ion: 83 Resp: 91805
Ion Ratio Lower Upper
83 100
55 91.4 66.4 99.6
98 47.0 39.1 58.7



#40
Benzene
Concen: 19.454 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Tgt Ion: 78 Resp: 177384
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

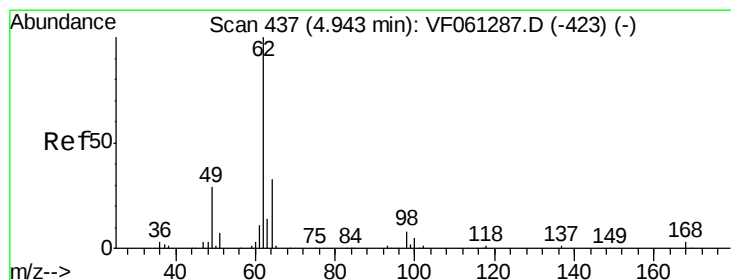
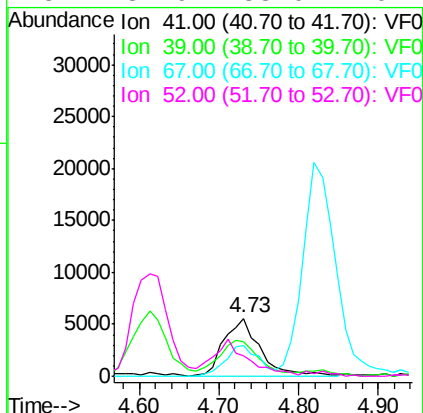
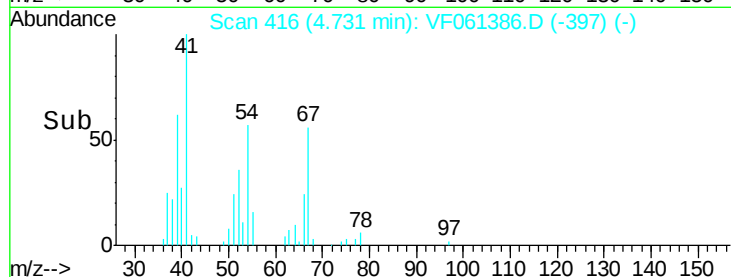
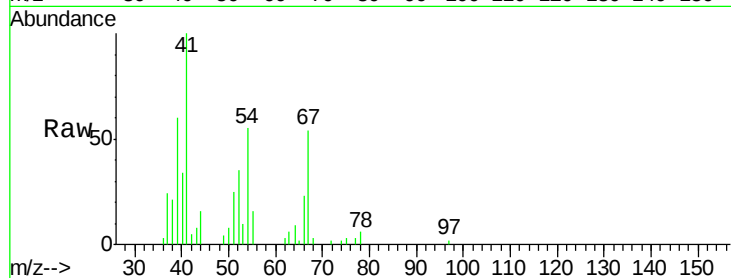




#41
Methacrylonitrile
Concen: 22.689 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.01 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

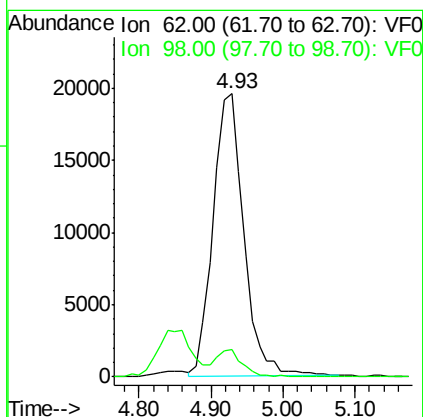
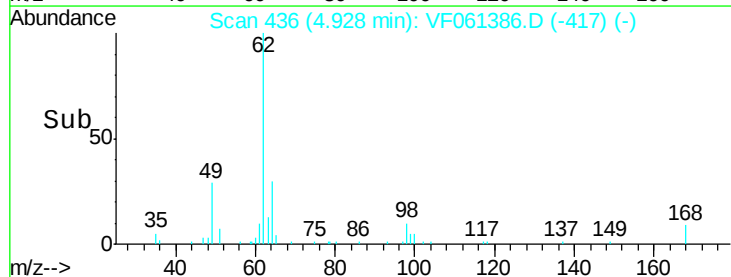
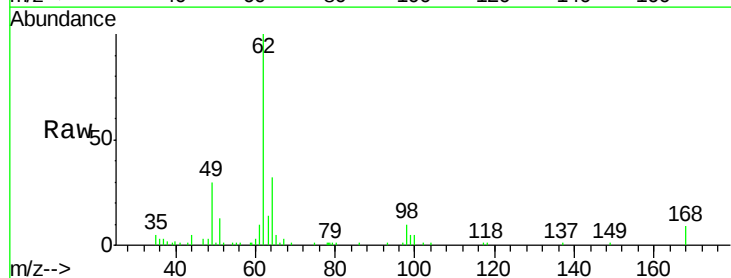
Instrument :
MSVOA_F
ClientSampleId :
VF0114SBS01

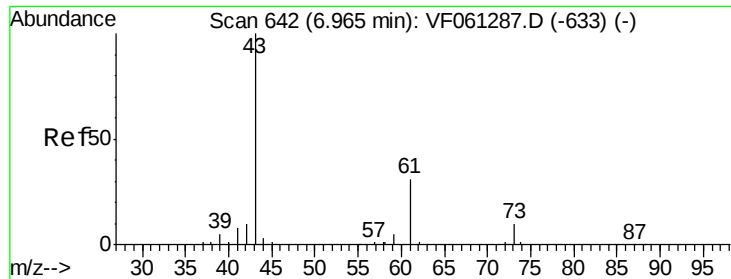
Tot Ion:	41	Resp:	18020
Ion	Ratio	Lower	Upper
41	100		
39	60.1	52.7	79.1
67	54.2	41.4	62.2
52	34.9	33.0	49.4



#42
1,2-Dichloroethane
Concen: 20.269 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Tgt Ion:	62	Resp:	57539
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	16.8



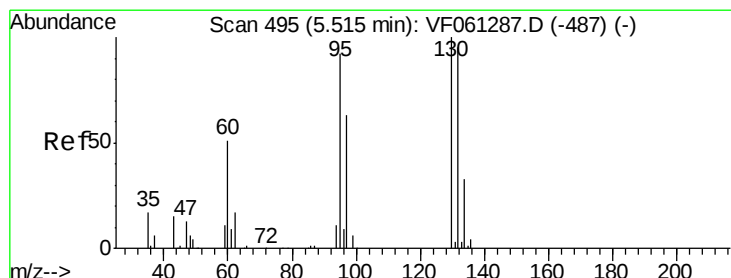
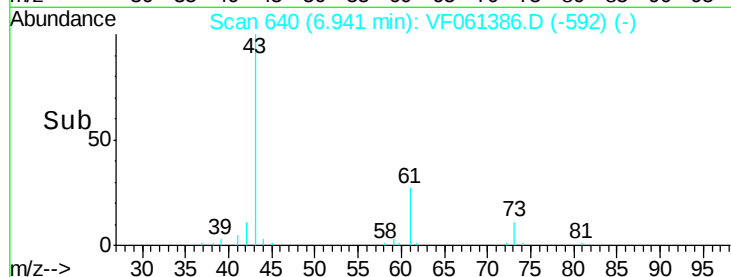
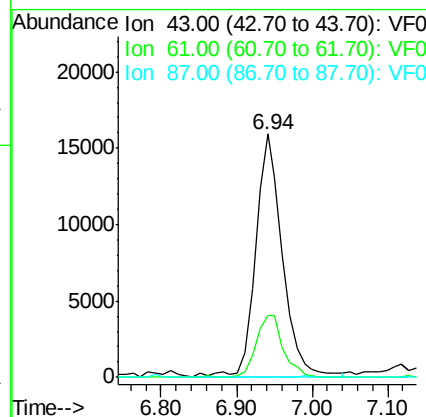
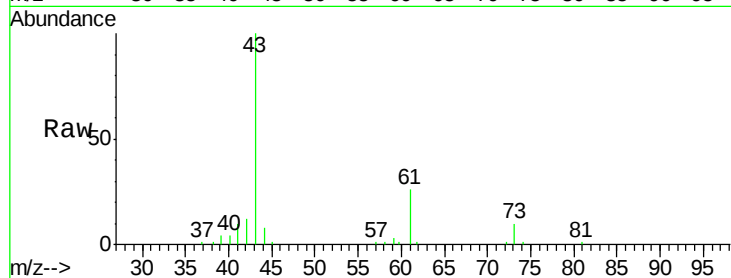


#43

Isopropyl Acetate
 Concen: 21.093 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0114SBS01

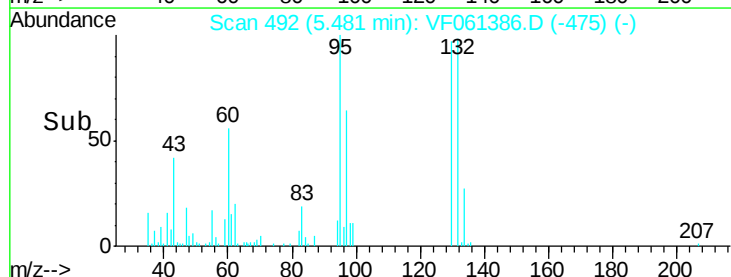
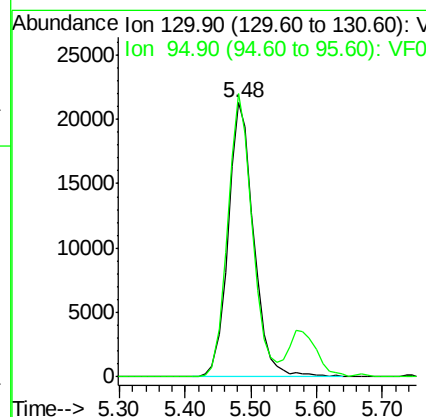
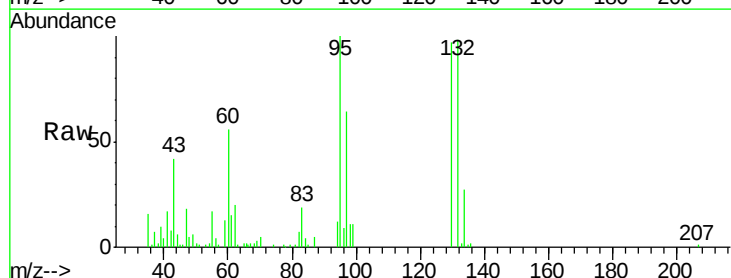
Tot Ion: 43 Resp: 39606
 Ion Ratio Lower Upper
 43 100
 61 25.6 24.3 36.5
 87 0.0 0.2 0.4#

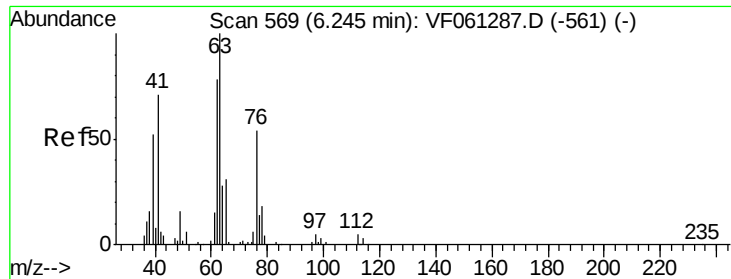


#44

Trichloroethene
 Concen: 21.559 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Tgt Ion: 130 Resp: 57529
 Ion Ratio Lower Upper
 130 100
 95 103.3 0.0 184.4

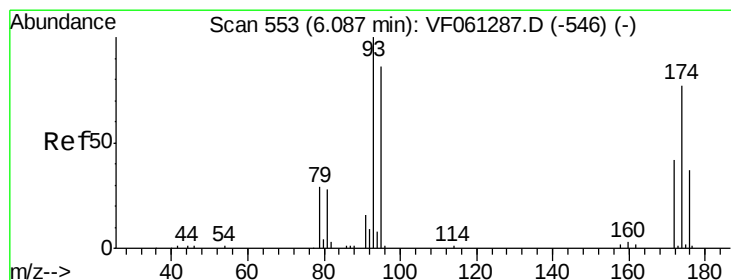
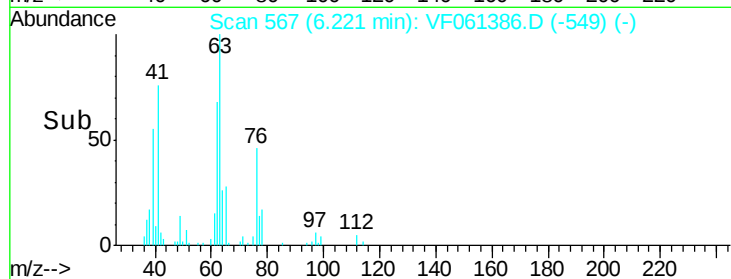
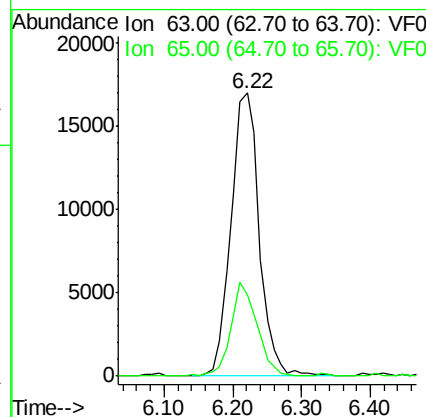
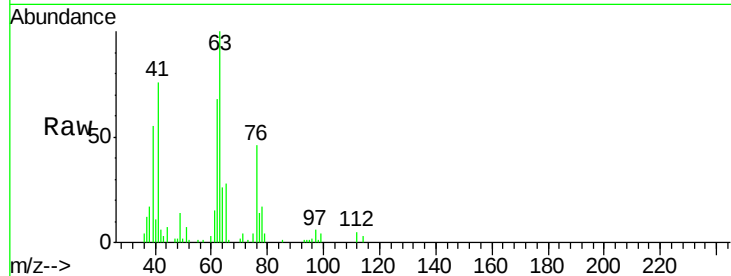




#45
 1,2-Dichloropropane
 Concen: 20.855 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.02 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

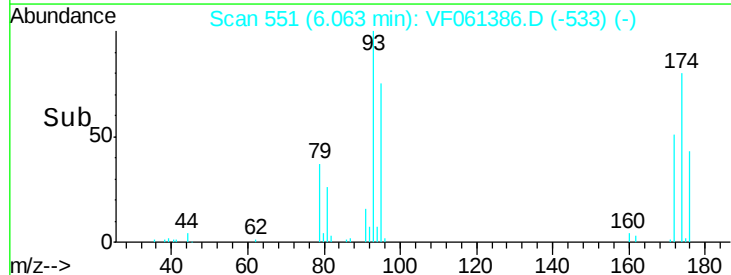
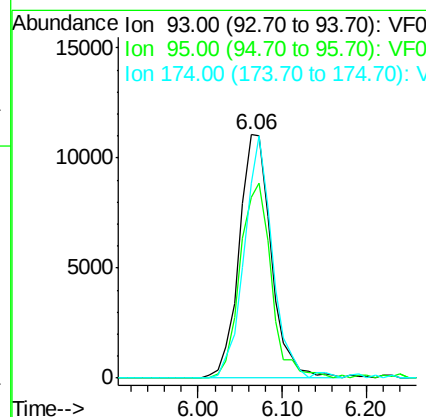
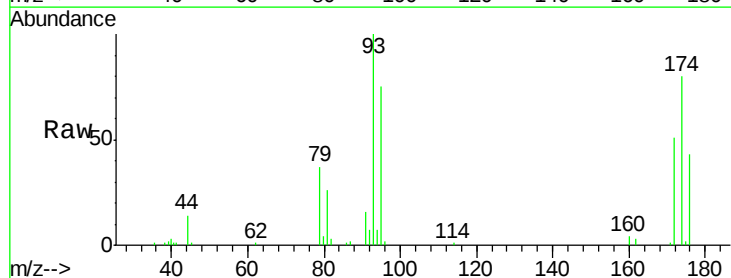
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0114SBS01

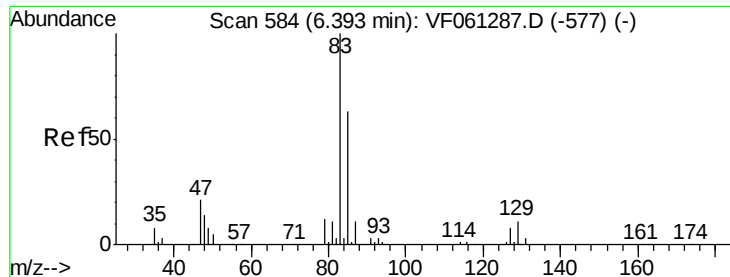
Tot Ion: 63 Resp: 48356
 Ion Ratio Lower Upper
 63 100
 65 28.5 25.1 37.7



#46
 Dibromomethane
 Concen: 20.706 ug/l
 RT: 6.06 min Scan# 551
 Delta R.T. -0.02 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Tgt Ion: 93 Resp: 29477
 Ion Ratio Lower Upper
 93 100
 95 74.5 68.8 103.2
 174 80.0 62.9 94.3





#47

Bromodichloromethane

Concen: 21.482 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

VF0114SBS01

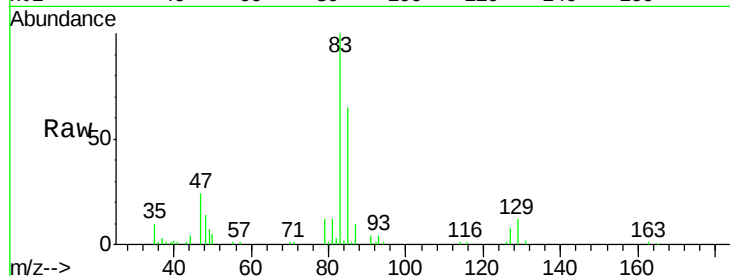
Tot Ion: 83 Resp: 76059

Ion Ratio Lower Upper

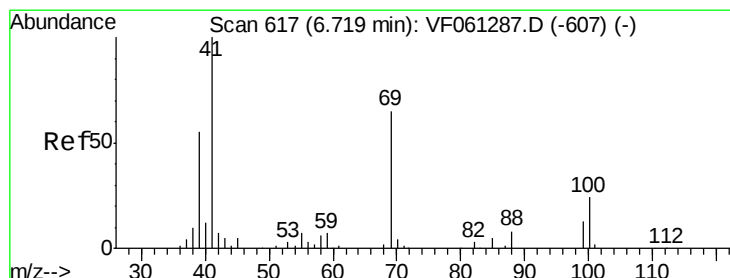
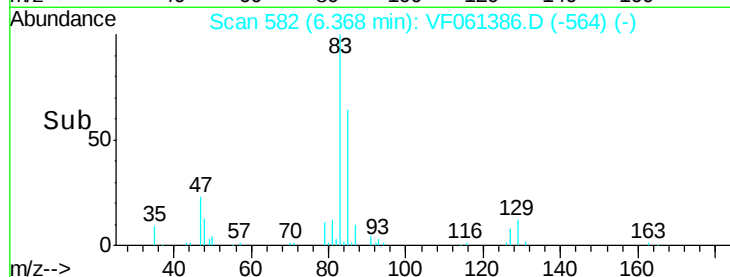
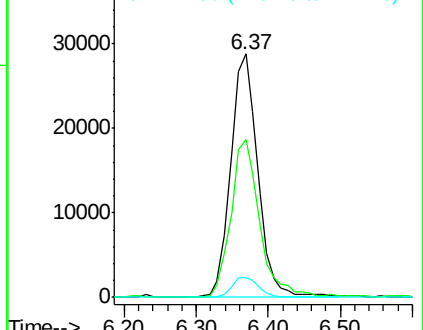
83 100

85 64.7 50.4 75.6

127 8.1 6.4 9.6



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: 18.861 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

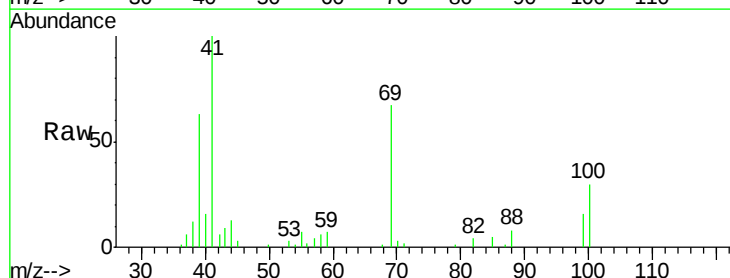
Tgt Ion: 41 Resp: 22988

Ion Ratio Lower Upper

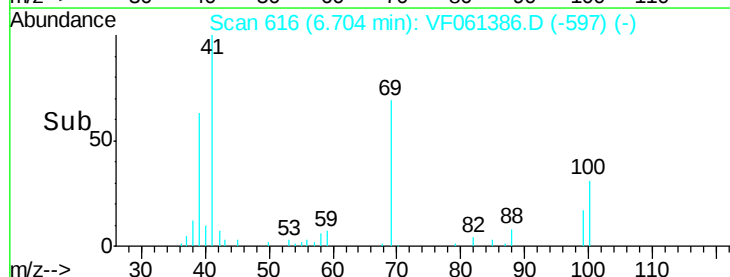
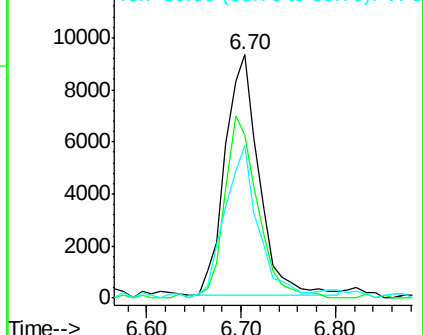
41 100

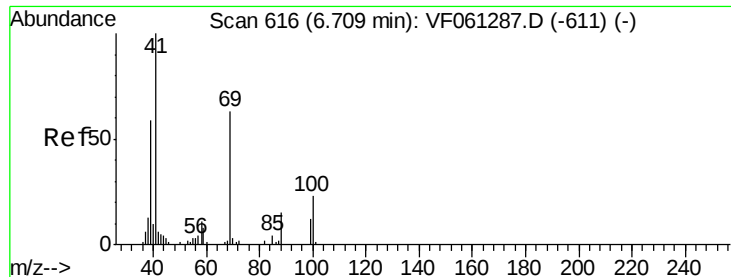
69 66.9 51.5 77.3

39 62.9 44.1 66.1



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: 487.491 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

VF0114SBS01

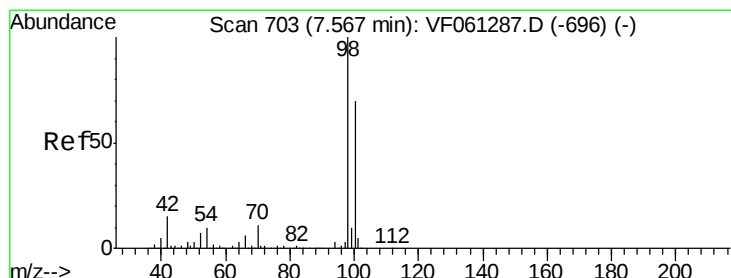
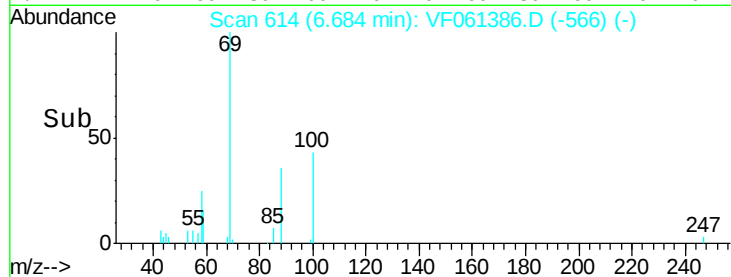
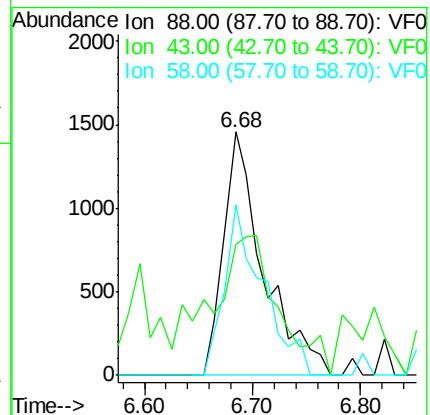
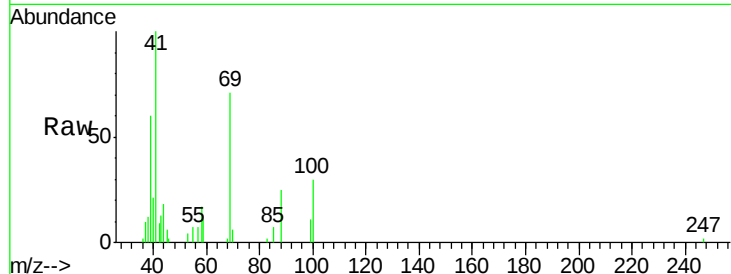
Tot Ion: 88 Resp: 3749

Ion Ratio Lower Upper

88 100

43 53.6 38.5 57.7

58 69.9 57.0 85.4



#50

Toluene-d8

Concen: 51.226 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061386.D

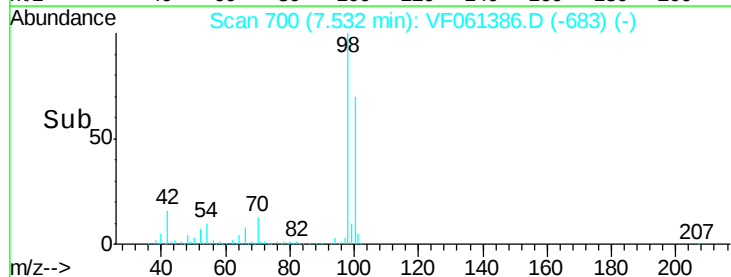
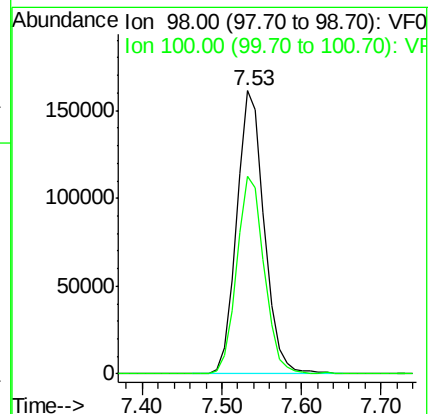
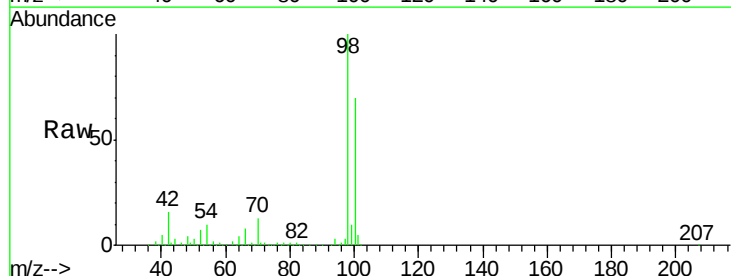
Acq: 14 Jan 2019 13:43

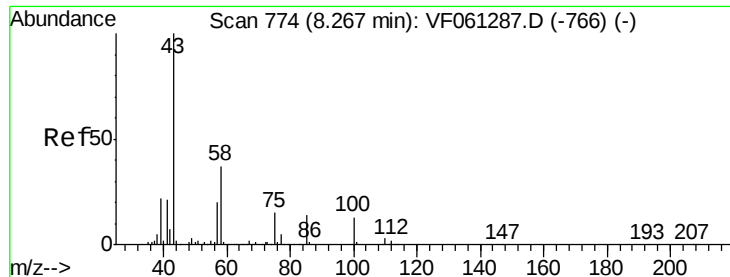
Tgt Ion: 98 Resp: 387929

Ion Ratio Lower Upper

98 100

100 69.6 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 108.744 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

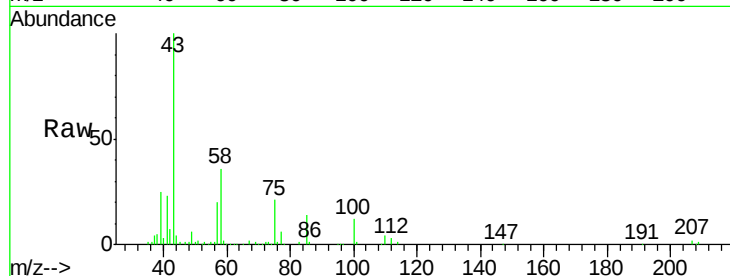
VF0114SBS01

Tot Ion: 43 Resp: 154120

Ion Ratio Lower Upper

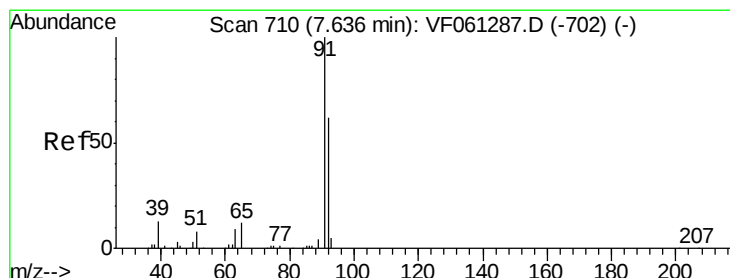
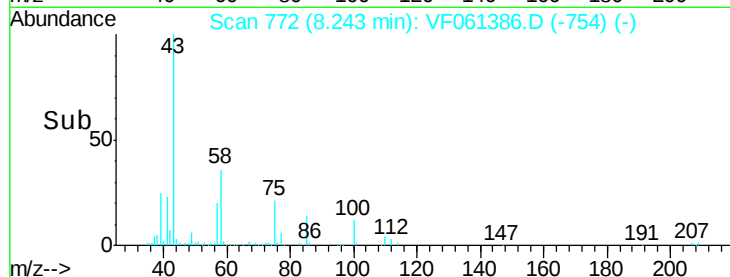
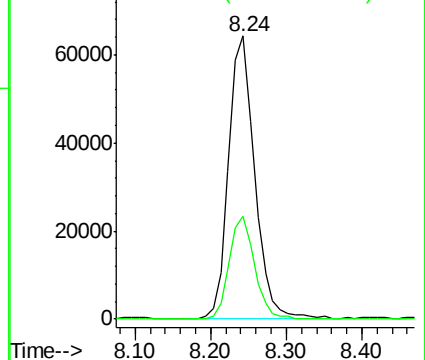
43 100

58 36.2 29.6 44.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.236 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061386.D

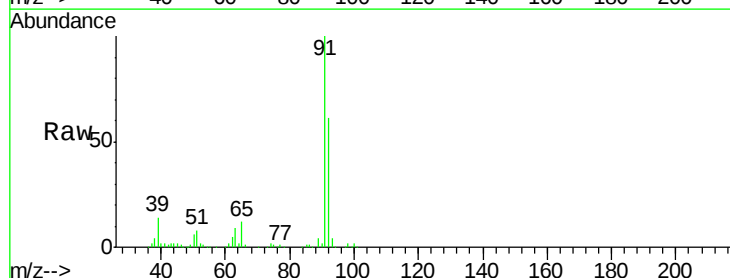
Acq: 14 Jan 2019 13:43

Tgt Ion: 92 Resp: 112735

Ion Ratio Lower Upper

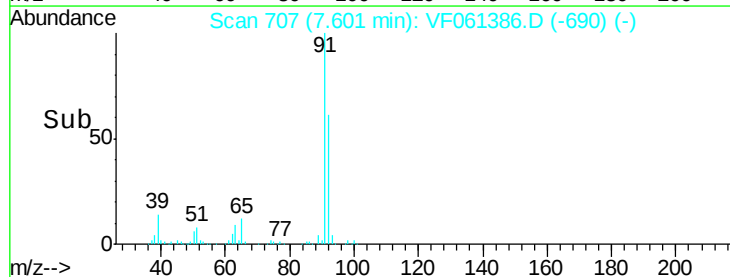
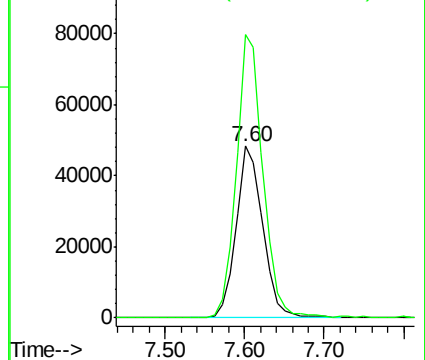
92 100

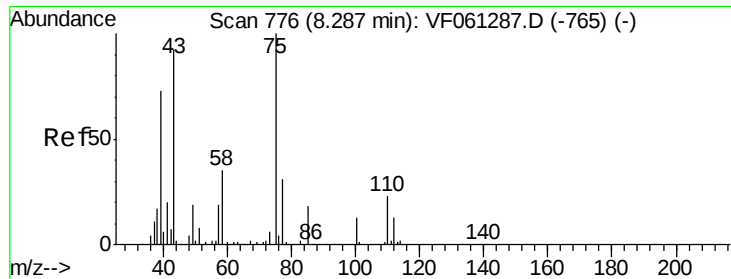
91 164.9 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 21.944 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

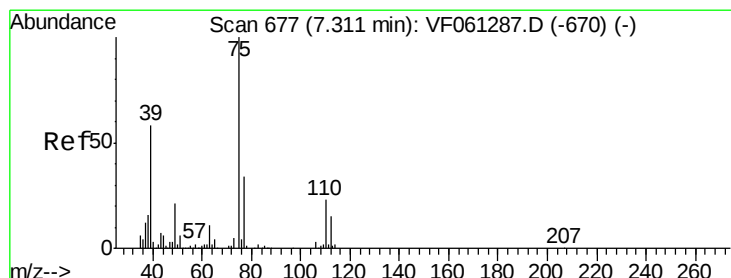
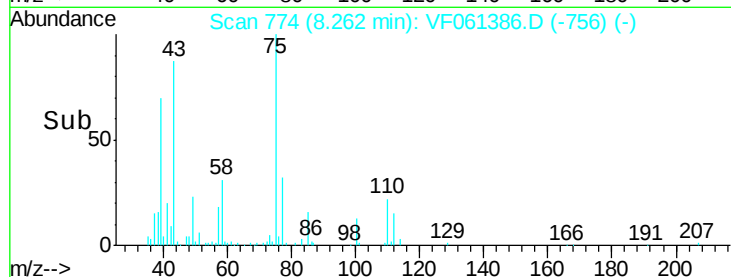
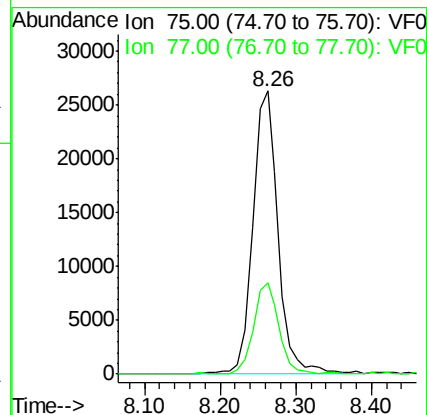
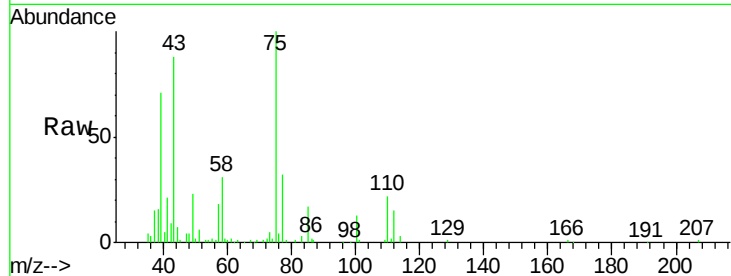
VF0114SBS01

Tot Ion: 75 Resp: 61017

Ion Ratio Lower Upper

75 100

77 32.4 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 21.524 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

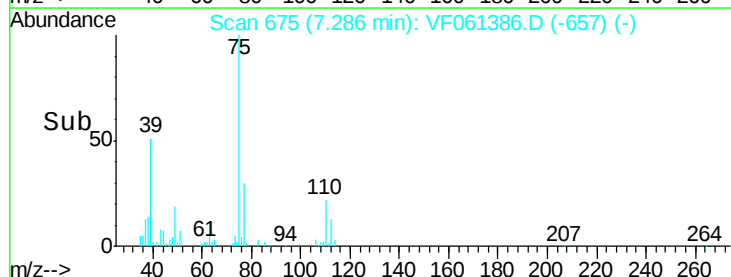
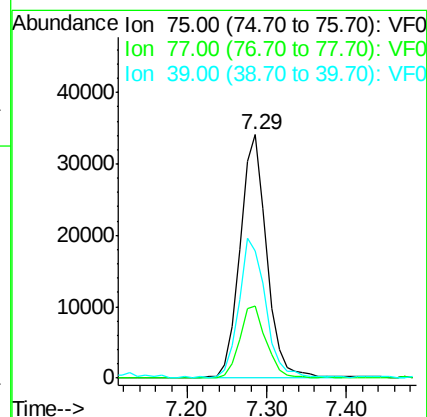
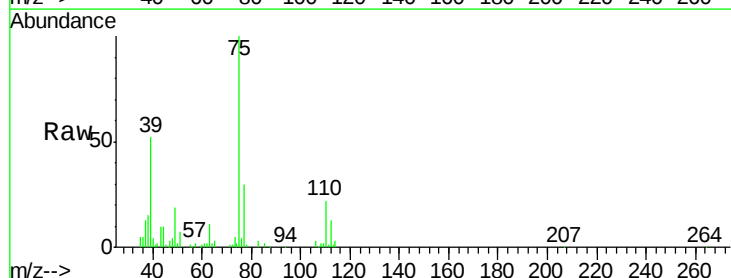
Tgt Ion: 75 Resp: 79354

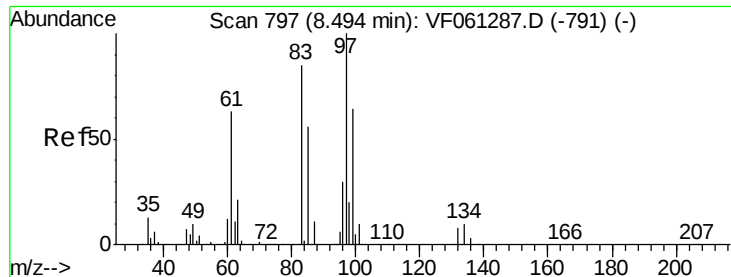
Ion Ratio Lower Upper

75 100

77 29.8 27.3 40.9

39 52.2 46.3 69.5





#55

1,1,2-Trichloroethane

Concen: 19.974 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

VF0114SBS01

Tot Ion: 97 Resp: 32757

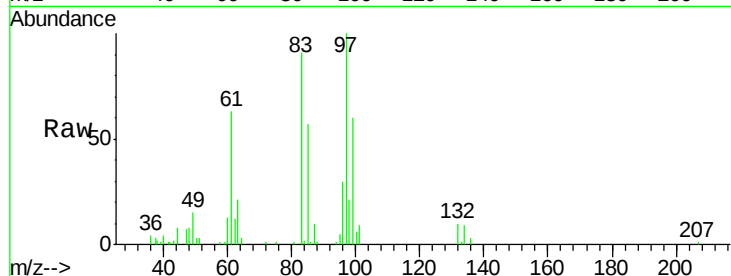
Ion	Ratio	Lower	Upper
97	100		
83	91.1	67.8	101.6
85	57.3	45.1	67.7
99	60.1	51.0	76.6

97 100

83 91.1 67.8 101.6

85 57.3 45.1 67.7

99 60.1 51.0 76.6



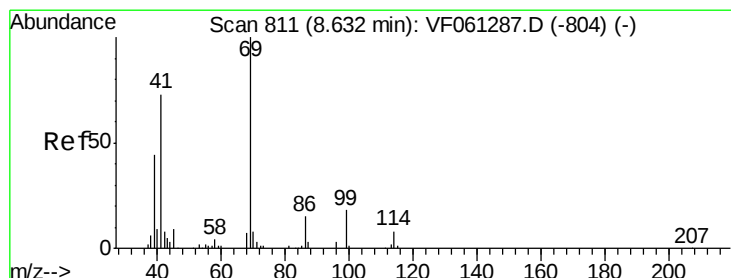
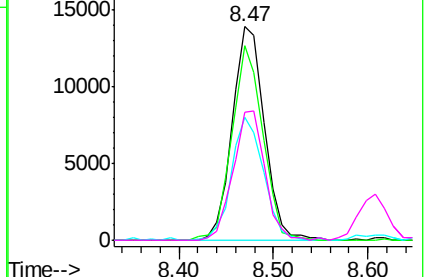
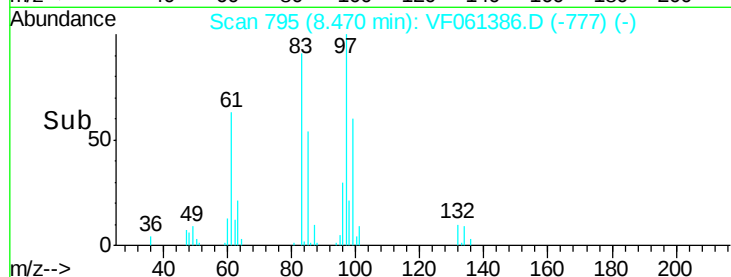
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

Time-->



#56

Ethyl methacrylate

Concen: 20.002 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

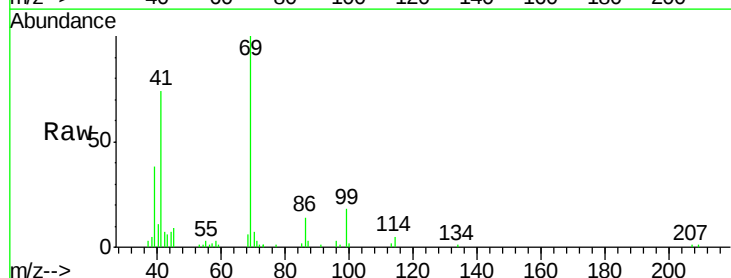
Tgt Ion: 69 Resp: 36661

Ion	Ratio	Lower	Upper
69	100		
41	74.1	59.0	88.4
39	38.4	35.3	52.9

69 100

41 74.1 59.0 88.4

39 38.4 35.3 52.9

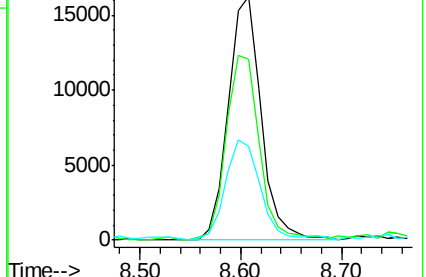
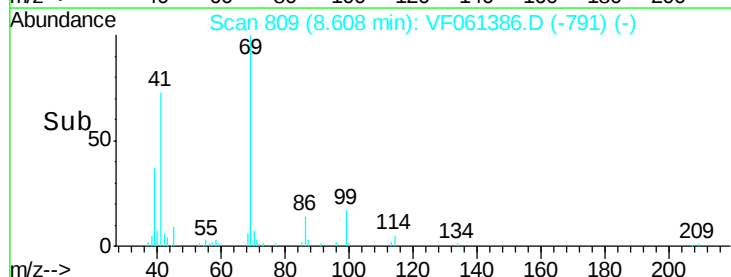


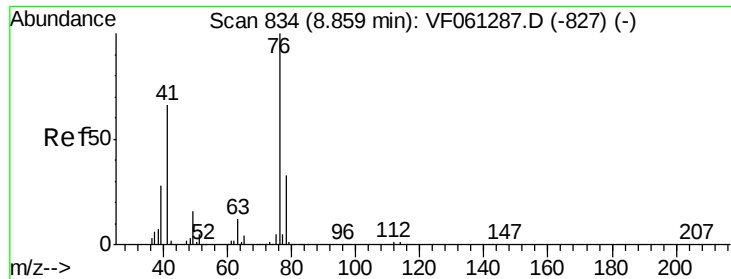
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->





#57

1,3-Dichloropropane

Concen: 20.755 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

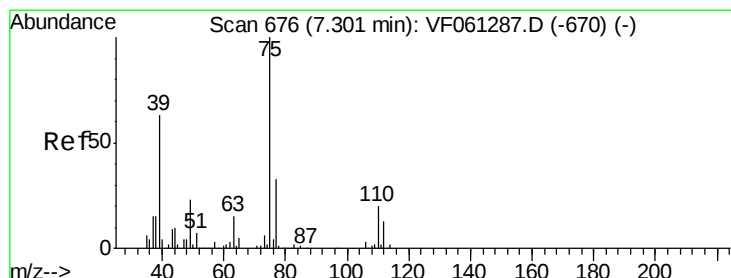
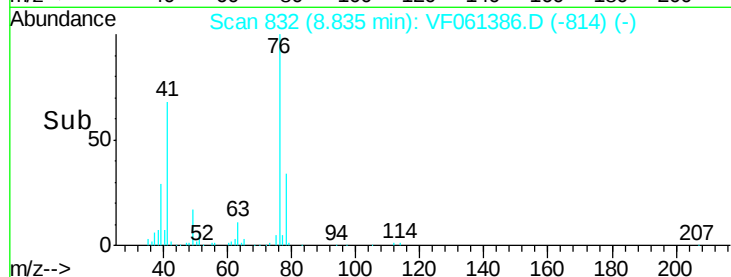
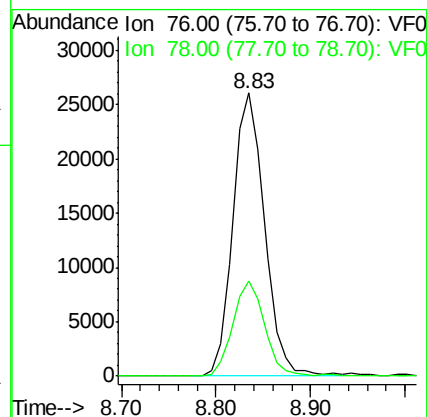
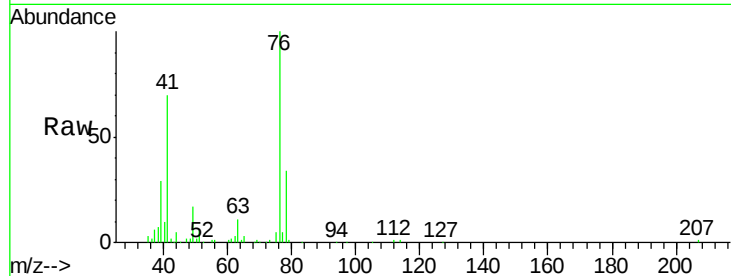
VF0114SBS01

Tot Ion: 76 Resp: 60240

Ion Ratio Lower Upper

76 100

78 33.8 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 131.484 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF061386.D

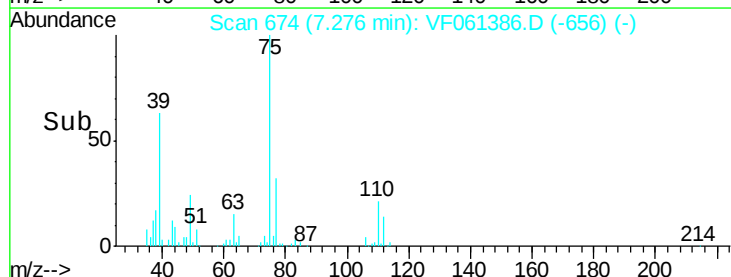
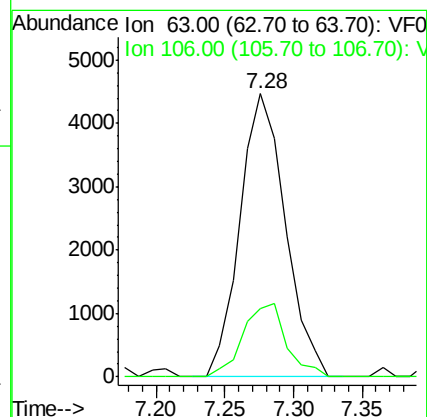
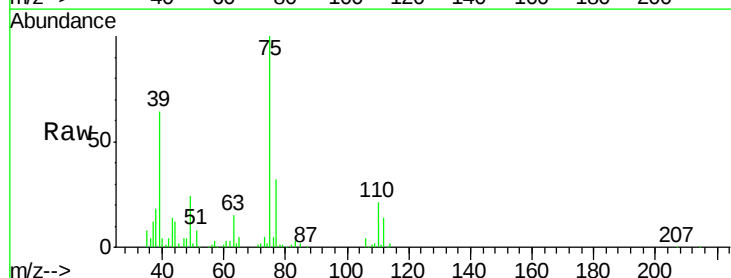
Acq: 14 Jan 2019 13:43

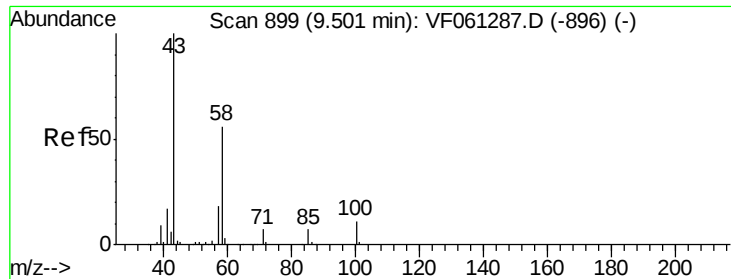
Tgt Ion: 63 Resp: 10270

Ion Ratio Lower Upper

63 100

106 24.1 16.5 24.7

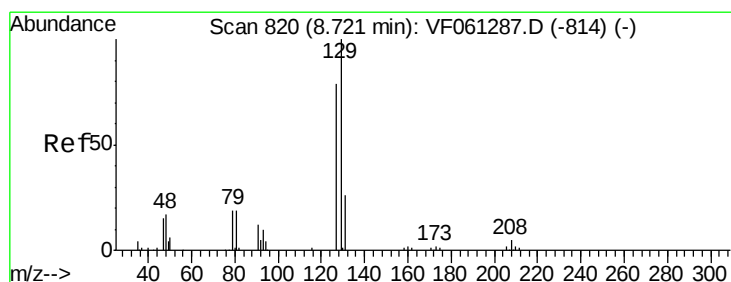
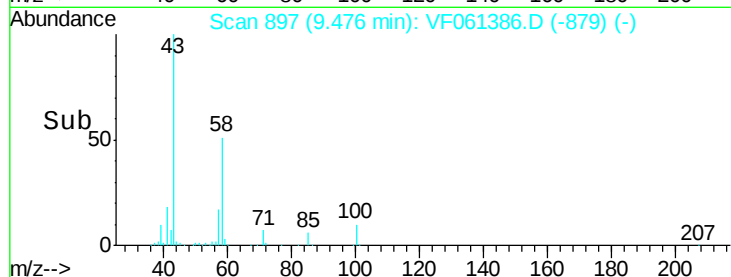
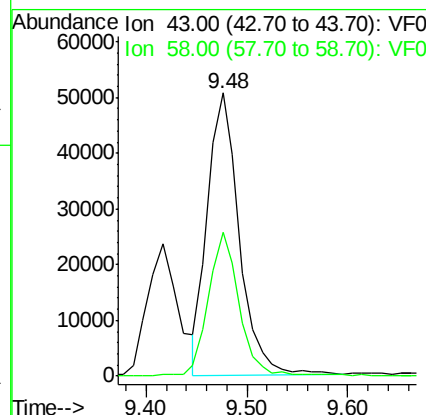
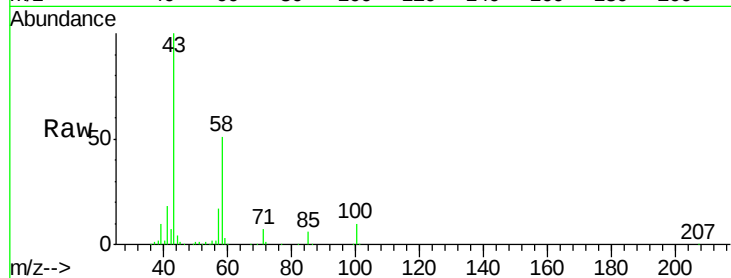




#59
2-Hexanone
Concen: 110.219 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

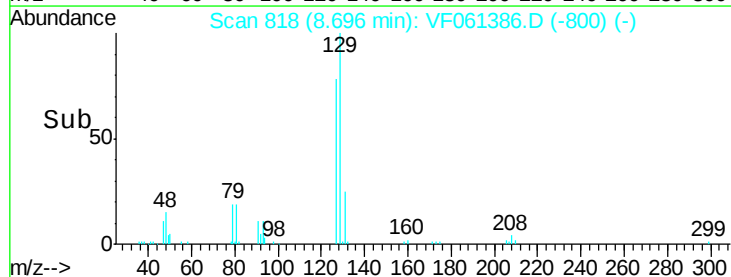
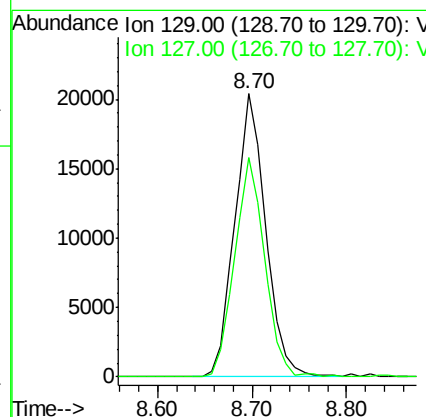
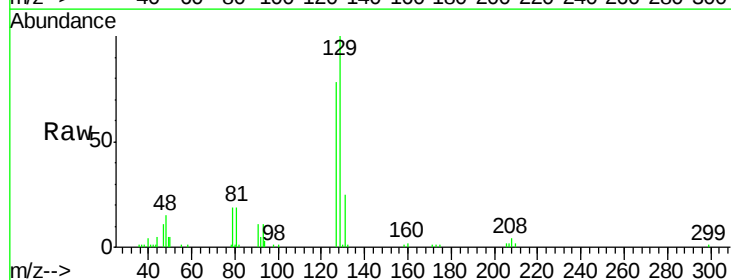
Instrument :
MSVOA_F
ClientSampleId :
VF0114SBS01

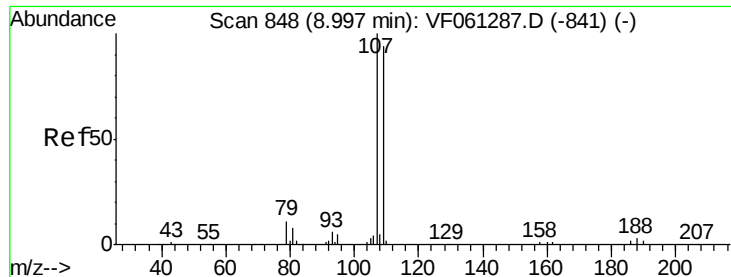
Tot Ion: 43 Resp: 110667
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.8



#60
Dibromochloromethane
Concen: 21.164 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Tgt Ion: 129 Resp: 46216
Ion Ratio Lower Upper
129 100
127 77.6 39.4 118.1





#61

1,2-Dibromoethane

Concen: 20.995 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

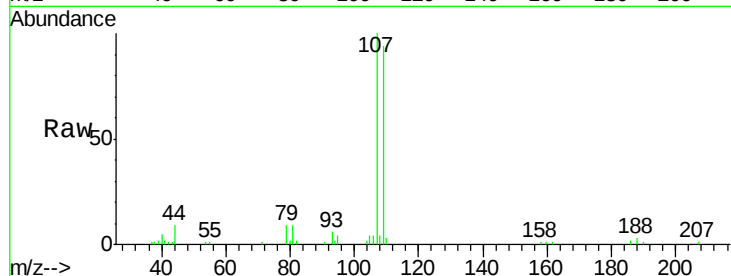
VF0114SBS01

Tot Ion:107 Resp: 35097

Ion Ratio Lower Upper

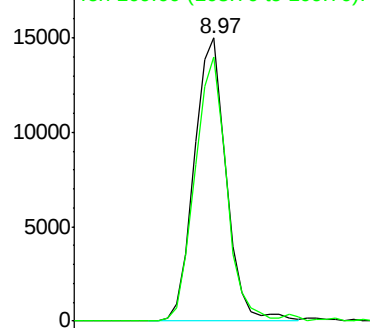
107 100

109 93.5 75.1 112.7

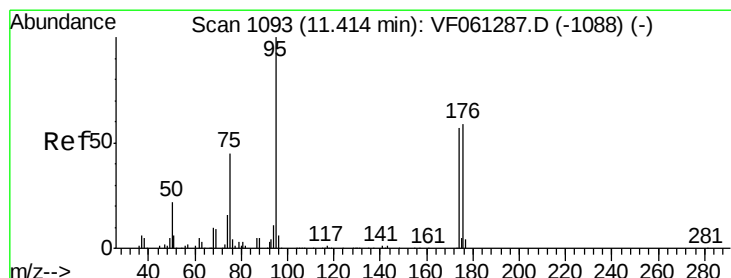
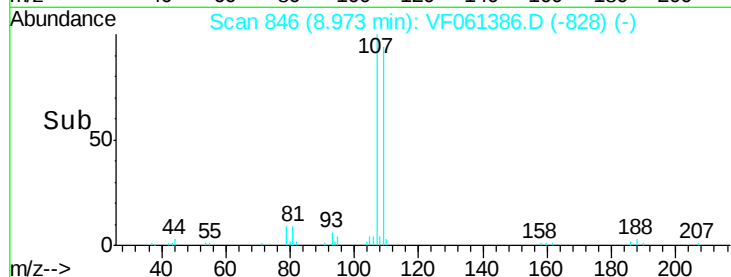


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->



#62

4-Bromofluorobenzene

Concen: 51.887 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

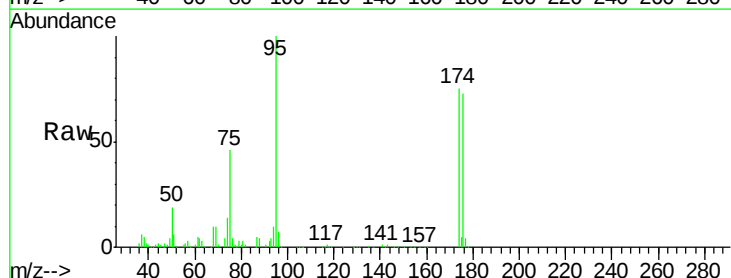
Tgt Ion: 95 Resp: 171577

Ion Ratio Lower Upper

95 100

174 75.0 0.0 114.2

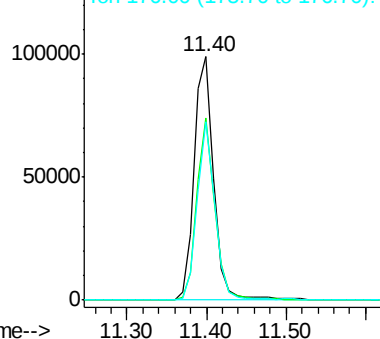
176 73.2 0.0 117.8



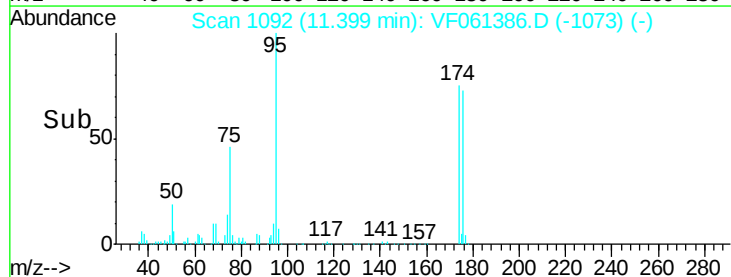
Abundance Ion 95.00 (94.70 to 95.70): VF0

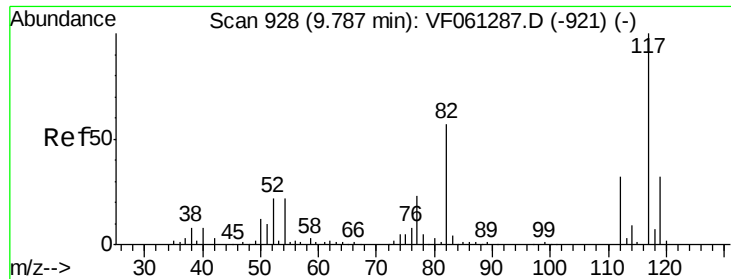
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->

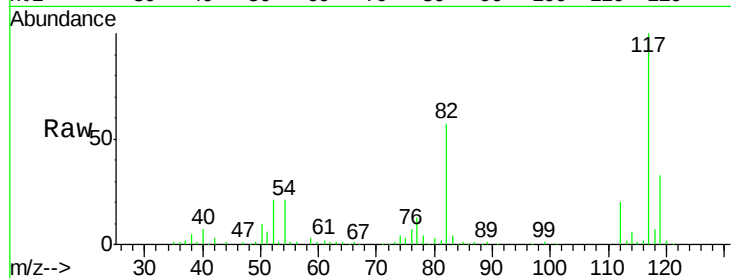




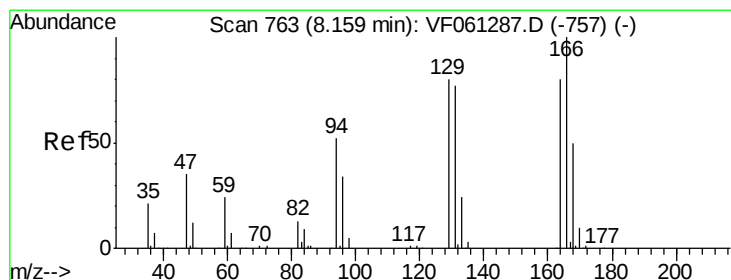
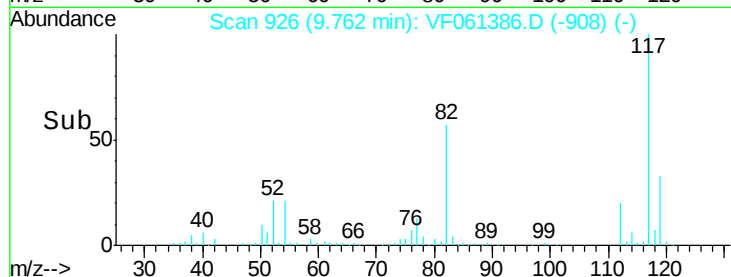
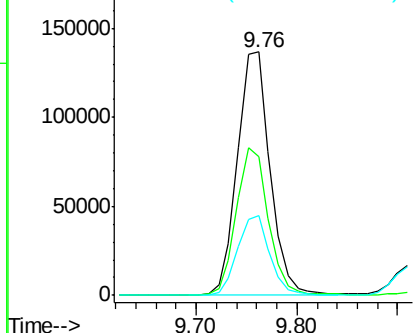
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Instrument :
MSVOA_F
ClientSampleId :
VF0114SBS01

Tot Ion:117 Resp: 310414
Ion Ratio Lower Upper
117 100
82 56.8 45.3 67.9
119 32.6 25.4 38.0

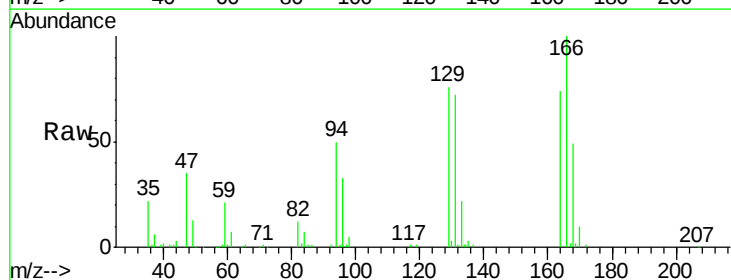


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

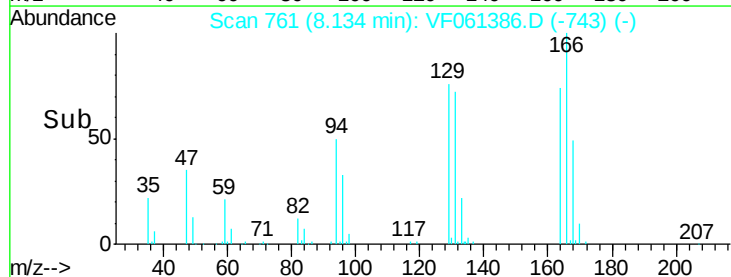
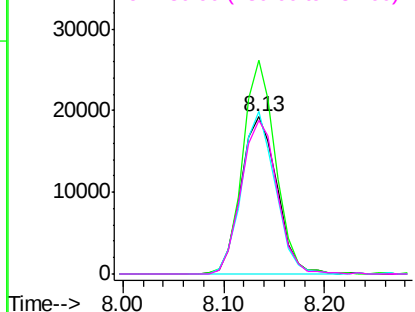


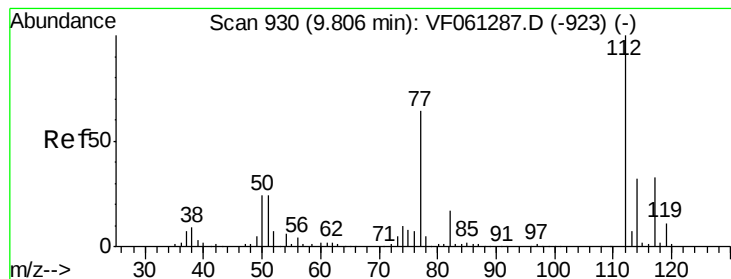
#64
Tetrachloroethene
Concen: 21.151 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Tgt Ion:164 Resp: 47802
Ion Ratio Lower Upper
164 100
166 135.7 100.1 150.1
129 103.3 80.1 120.1
131 97.2 76.7 115.1



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: 20.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

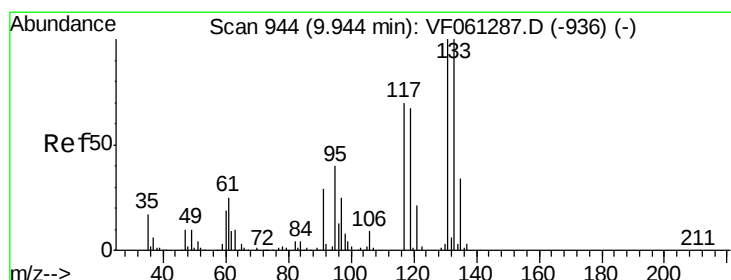
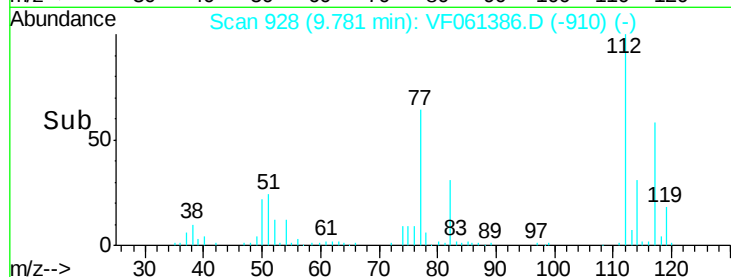
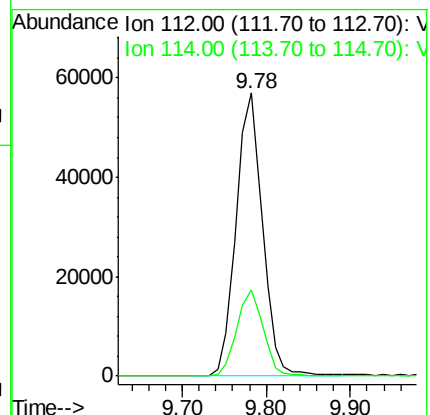
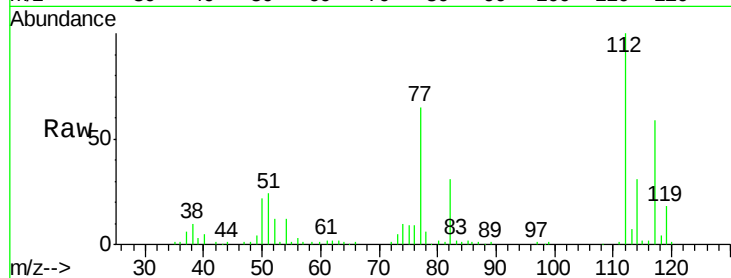
VF0114SBS01

Tot Ion:112 Resp: 125364

Ion Ratio Lower Upper

112 100

114 30.6 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 20.085 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.03 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

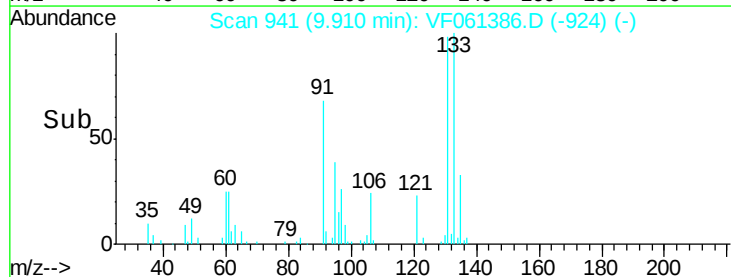
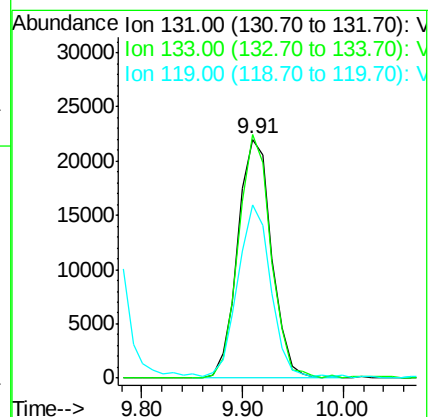
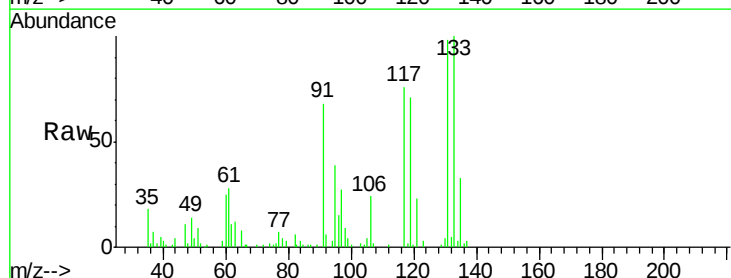
Tgt Ion:131 Resp: 51372

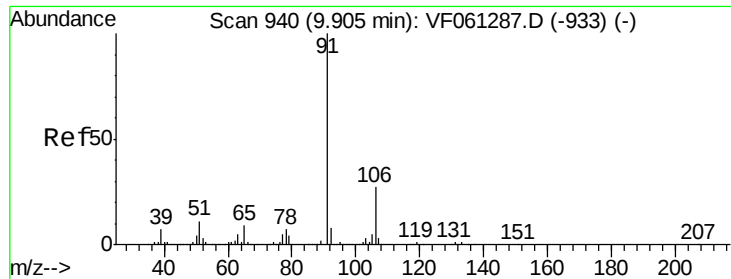
Ion Ratio Lower Upper

131 100

133 102.0 49.9 149.6

119 72.6 33.9 101.6





#67

Ethyl Benzene

Concen: 19.456 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

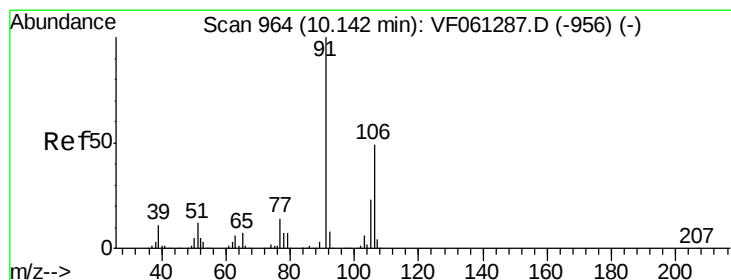
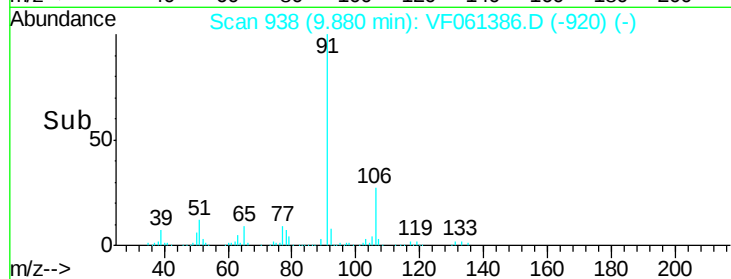
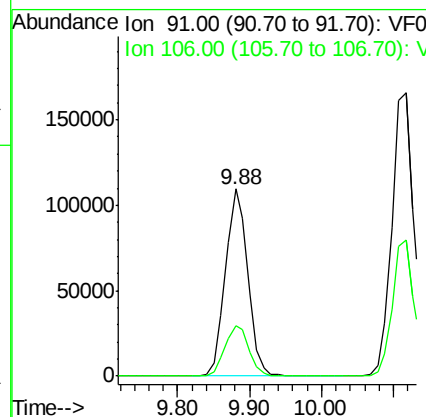
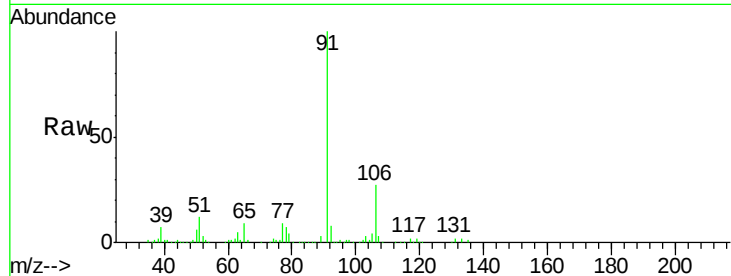
VF0114SBS01

Tot Ion: 91 Resp: 235139

Ion Ratio Lower Upper

91 100

106 26.9 21.4 32.2



#68

m/p-Xylenes

Concen: 40.402 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF061386.D

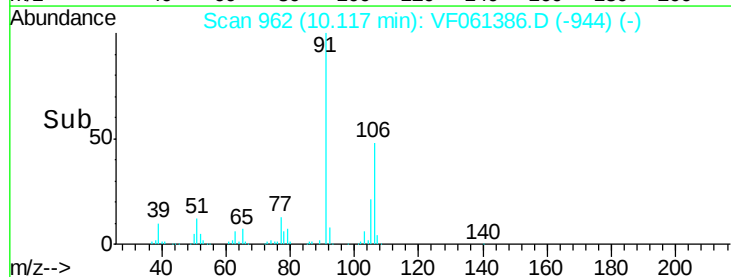
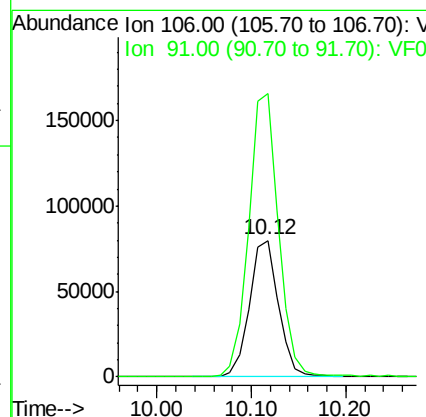
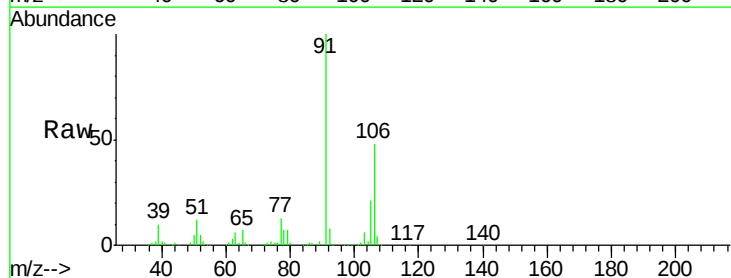
Acq: 14 Jan 2019 13:43

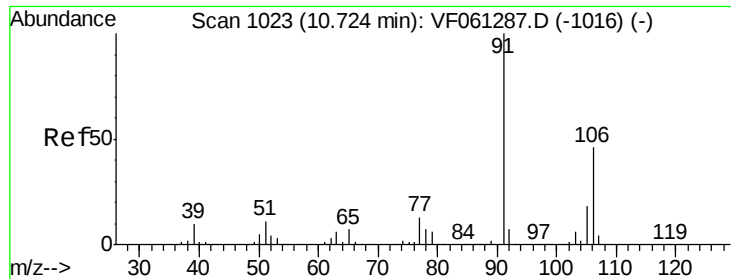
Tgt Ion: 106 Resp: 170327

Ion Ratio Lower Upper

106 100

91 206.9 165.0 247.6

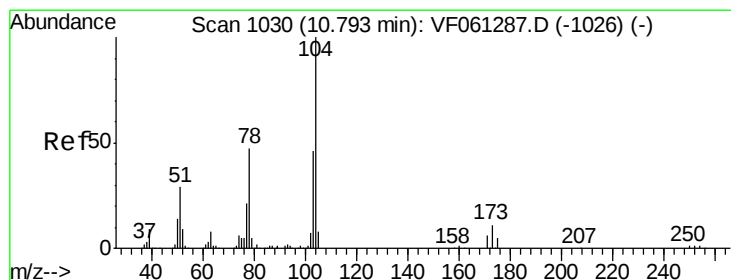
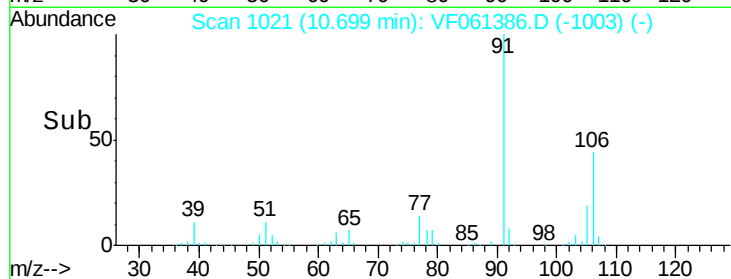
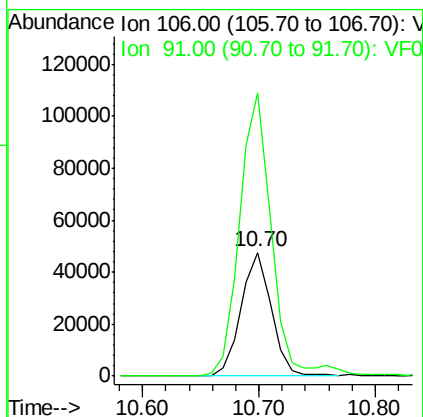
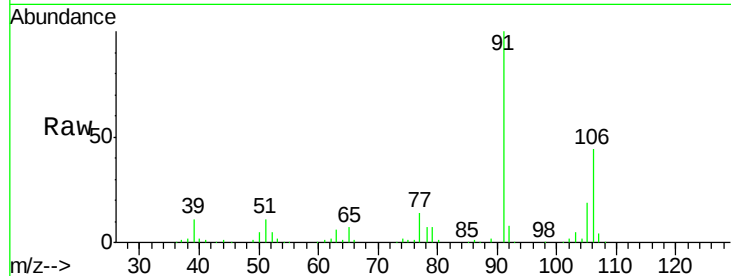




#69
o-Xylene
Concen: 18.289 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

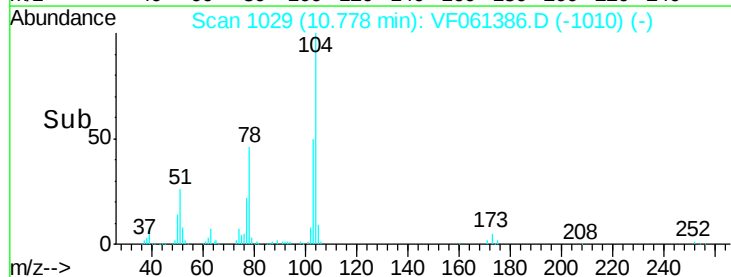
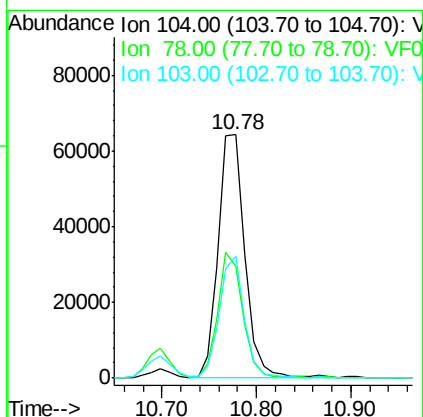
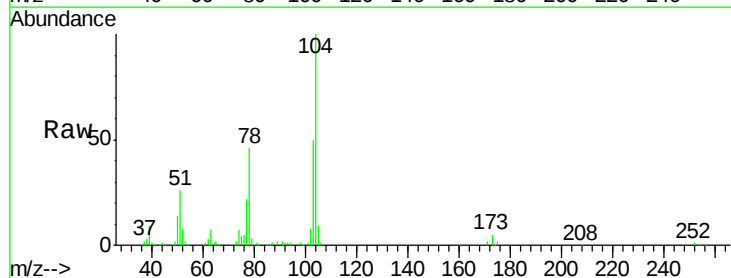
Instrument :
MSVOA_F
ClientSampleId :
VF0114SBS01

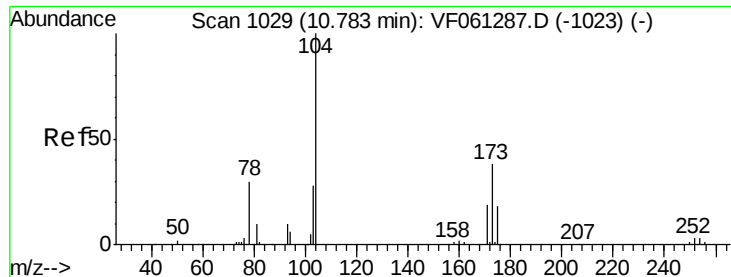
Tot Ion:106 Resp: 86128
Ion Ratio Lower Upper
106 100
91 229.5 108.1 324.4



#70
Styrene
Concen: 19.993 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Tgt Ion:104 Resp: 125430
Ion Ratio Lower Upper
104 100
78 45.8 38.0 57.0
103 49.9 36.7 55.1





#71

Bromoform

Concen: 22.940 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

VF0114SBS01

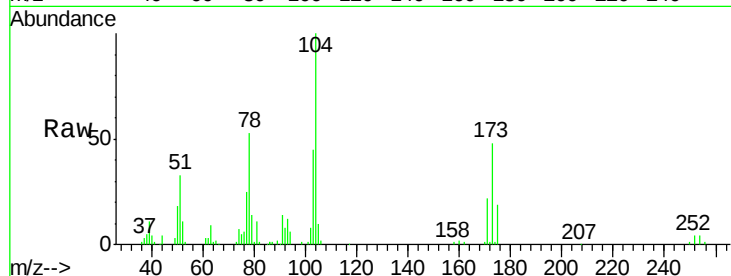
Tot Ion:173 Resp: 23979

Ion Ratio Lower Upper

173 100

175 39.8 24.1 72.2

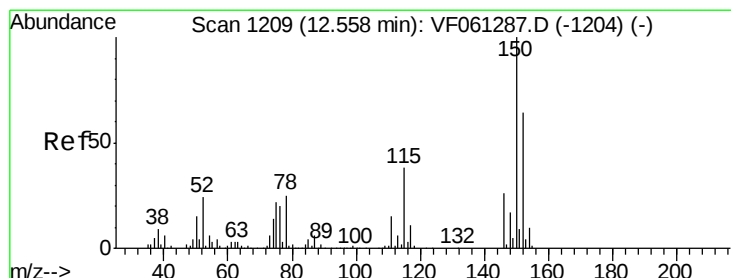
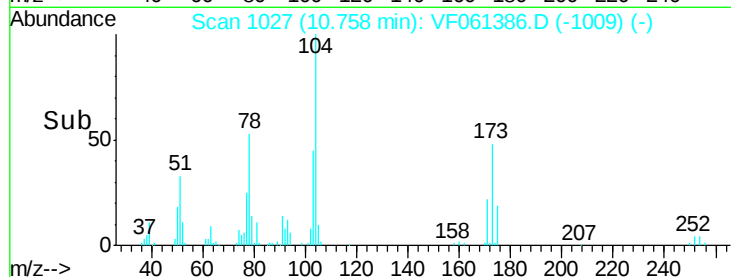
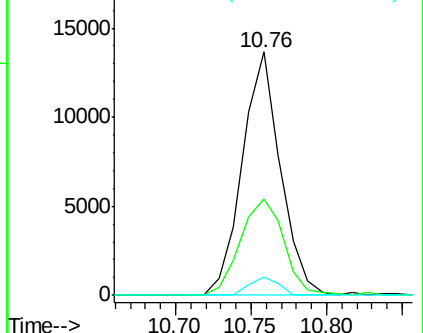
254 7.4 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

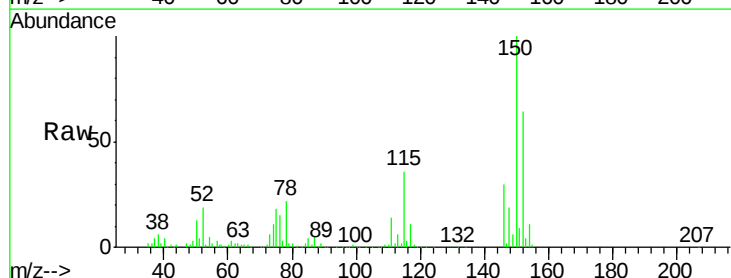
Tgt Ion:152 Resp: 157070

Ion Ratio Lower Upper

152 100

115 56.9 29.6 88.9

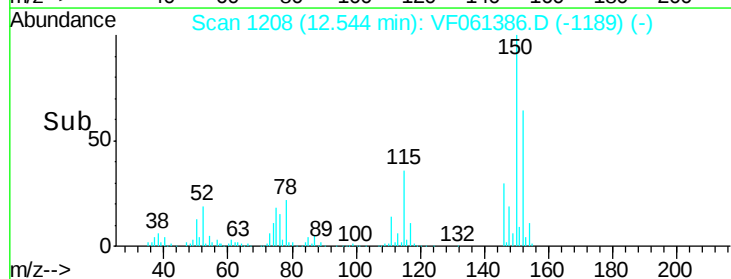
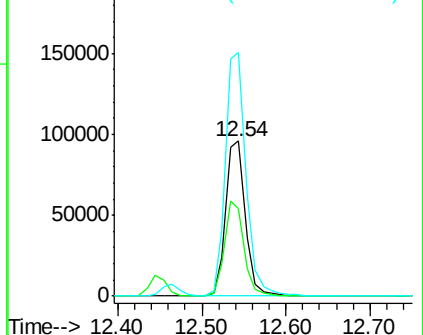
150 157.4 0.0 315.4

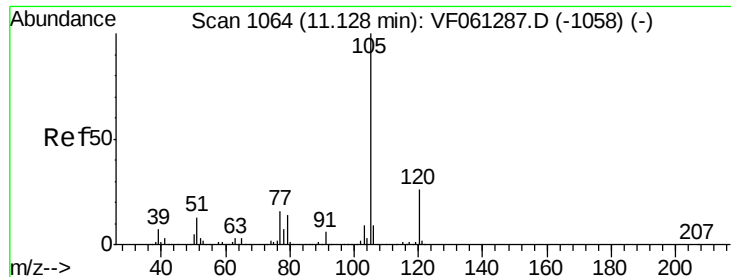


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.541 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

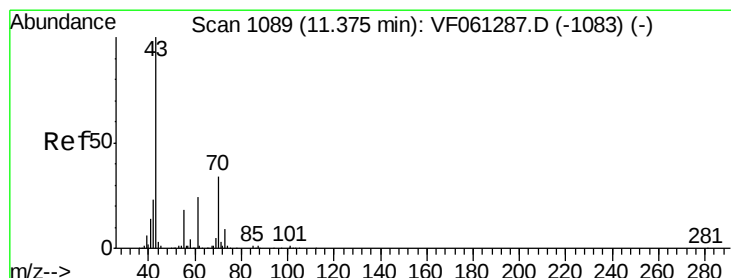
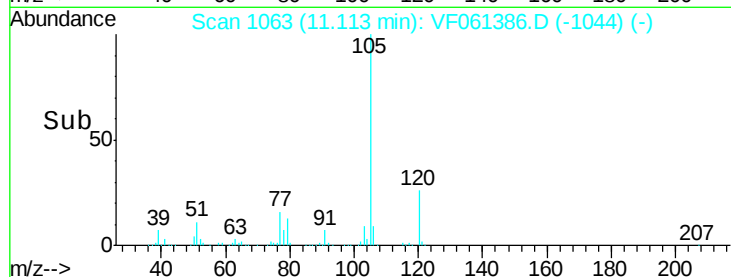
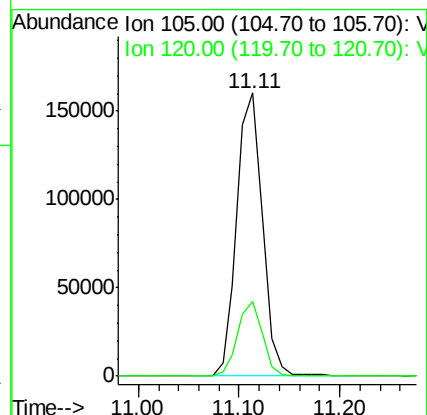
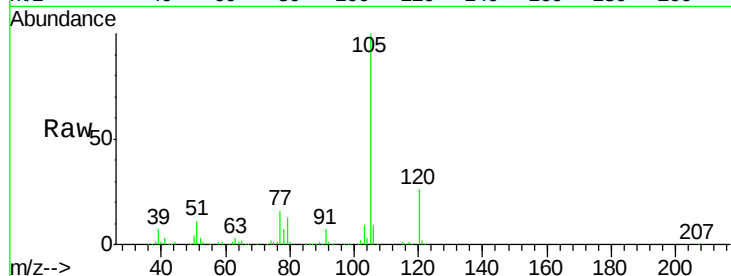
VF0114SBS01

Tot Ion:105 Resp: 283908

Ion Ratio Lower Upper

105 100

120 26.2 12.9 38.7



#74

N-ethyl acetate

Concen: 21.079 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Tgt Ion: 43 Resp: 66227

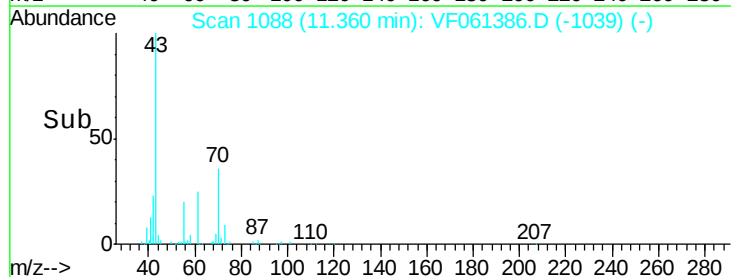
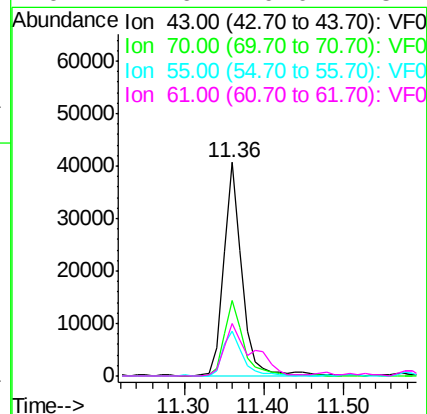
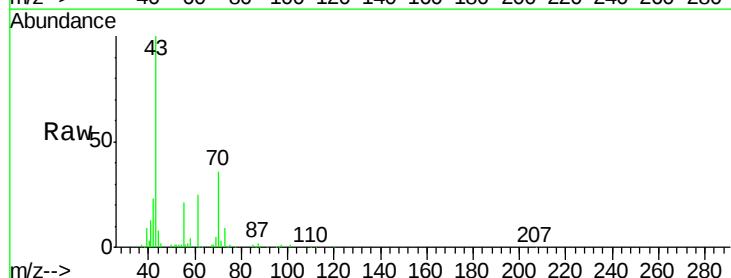
Ion Ratio Lower Upper

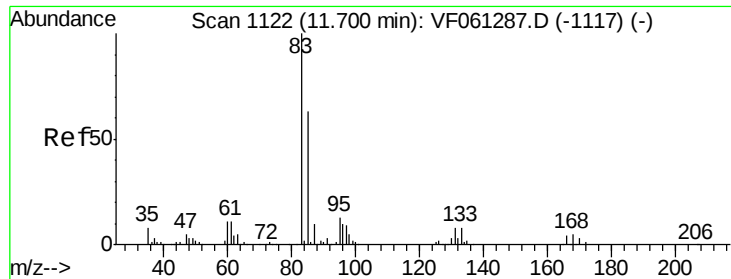
43 100

70 35.5 27.4 41.0

55 20.7 14.7 22.1

61 24.6 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.382 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

VF0114SBS01

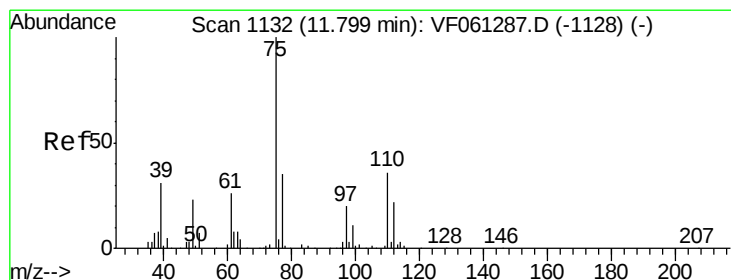
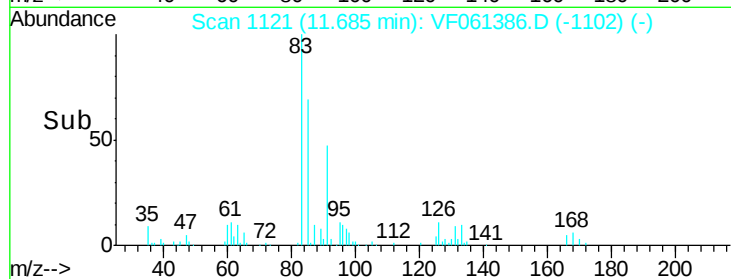
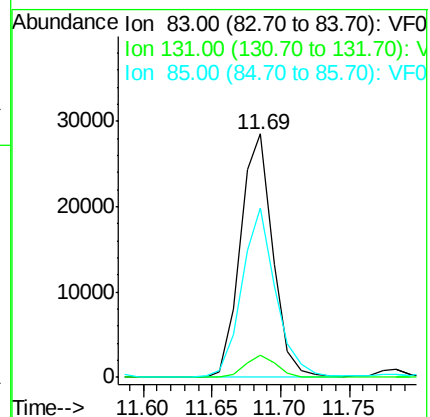
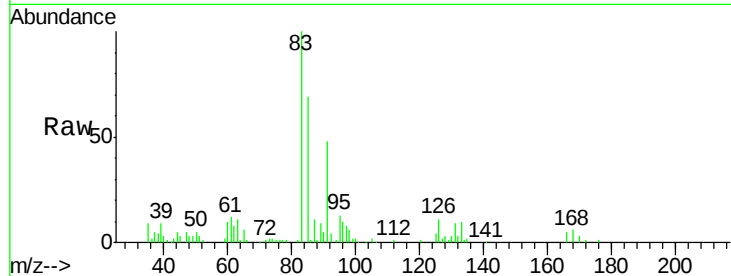
Tot Ion: 83 Resp: 46858

Ion Ratio Lower Upper

83 100

131 8.8 3.9 11.7

85 69.5 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 20.393 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061386.D

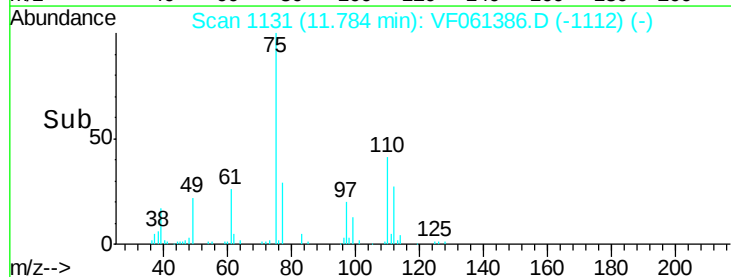
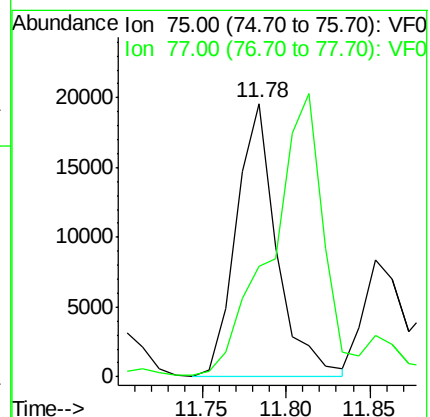
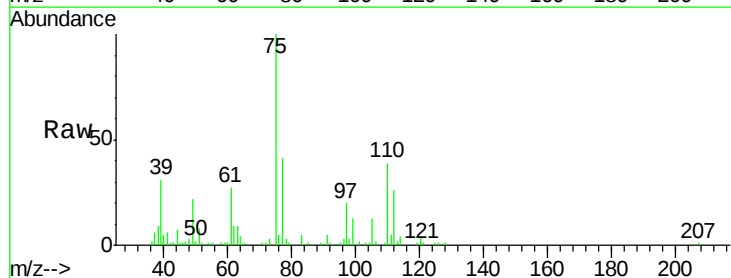
Acq: 14 Jan 2019 13:43

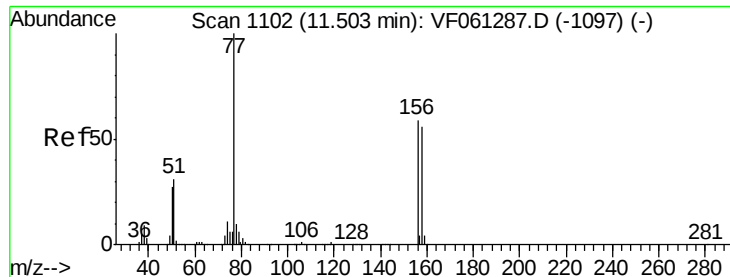
Tgt Ion: 75 Resp: 32778

Ion Ratio Lower Upper

75 100

77 40.6 17.5 52.5





#77

Bromobenzene

Concen: 20.336 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

VF0114SBS01

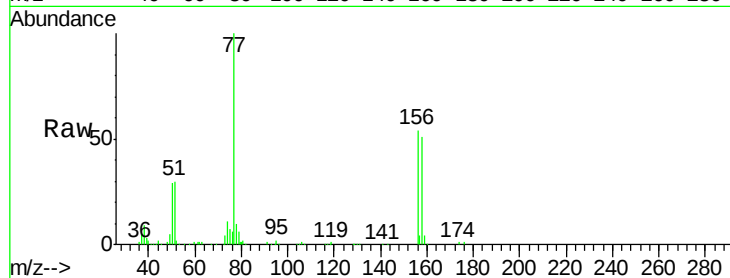
Tot Ion:156 Resp: 55917

Ion Ratio Lower Upper

156 100

77 186.1 84.3 252.9

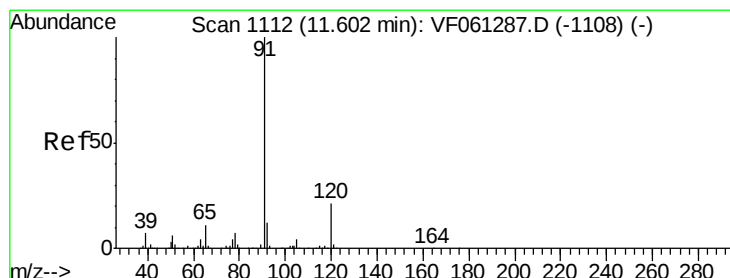
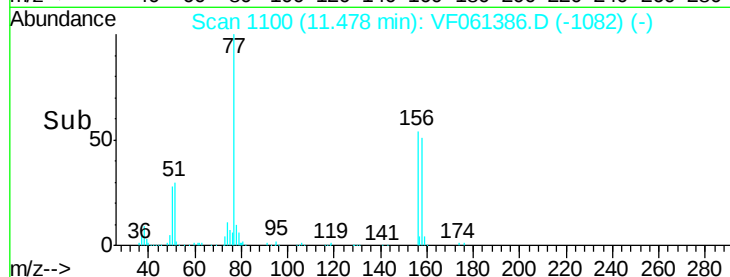
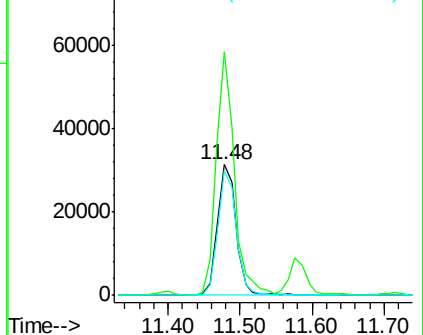
158 95.5 47.1 141.3



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: 20.824 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF061386.D

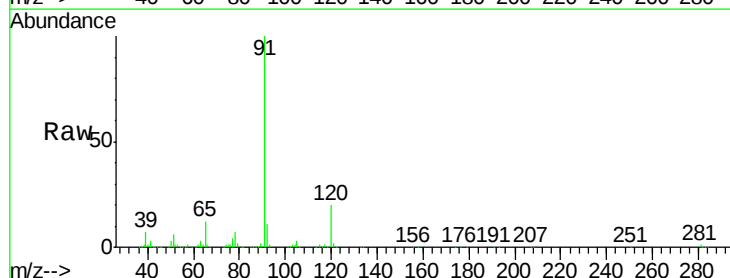
Acq: 14 Jan 2019 13:43

Tgt Ion: 91 Resp: 343167

Ion Ratio Lower Upper

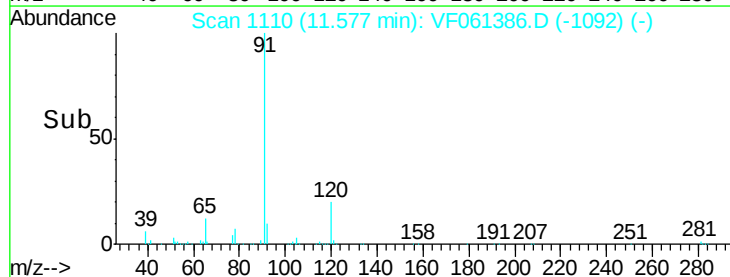
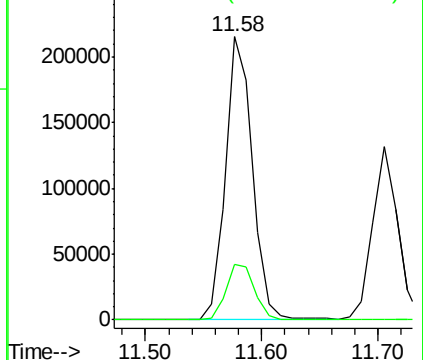
91 100

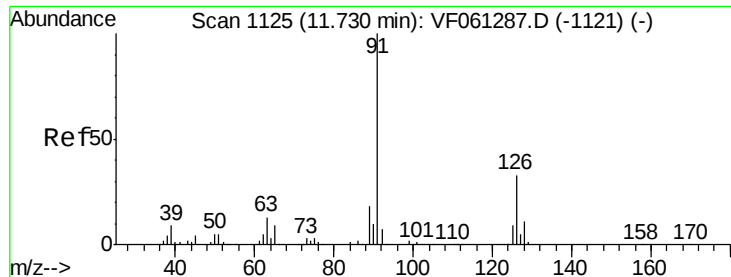
120 19.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.306 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

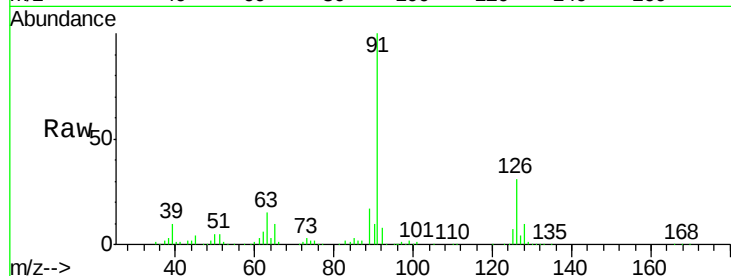
VF0114SBS01

Tot Ion: 91 Resp: 195614

Ion Ratio Lower Upper

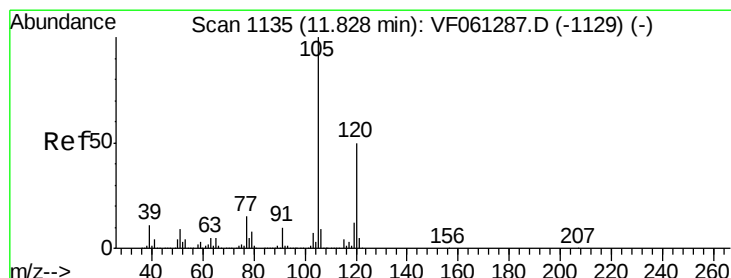
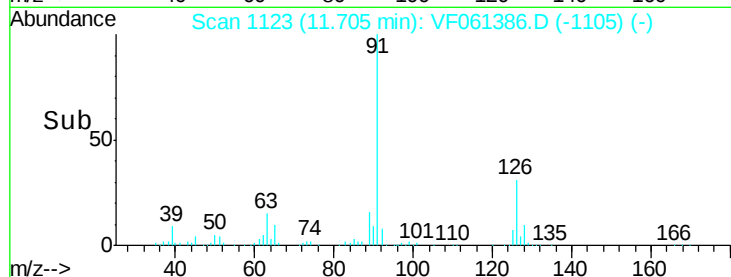
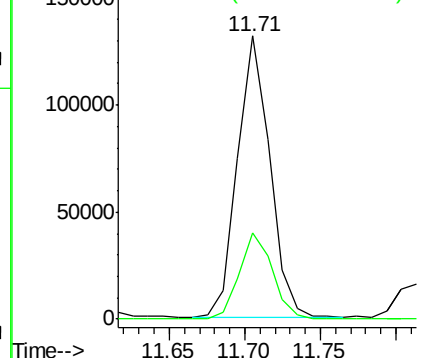
91 100

126 30.7 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.037 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061386.D

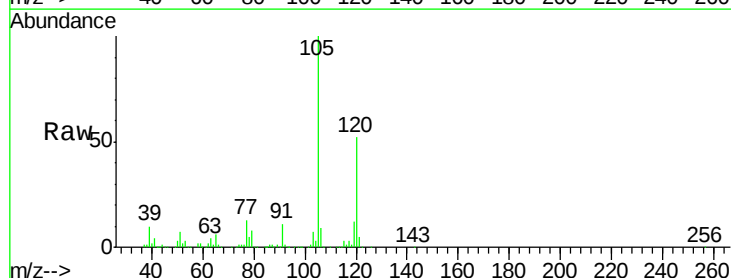
Acq: 14 Jan 2019 13:43

Tgt Ion: 105 Resp: 231356

Ion Ratio Lower Upper

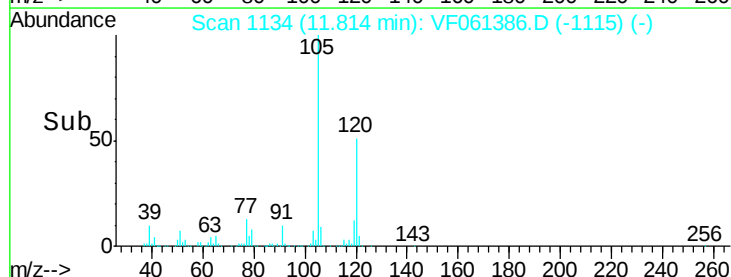
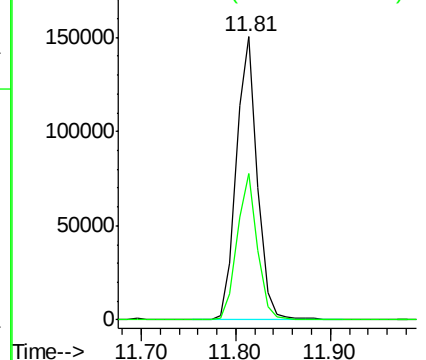
105 100

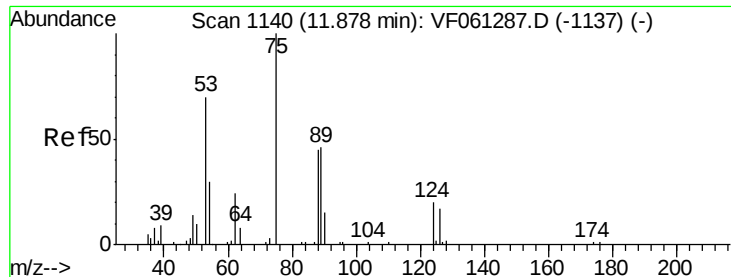
120 51.6 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.688 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

VF0114SBS01

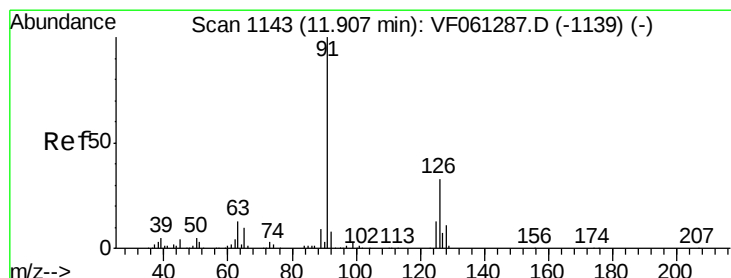
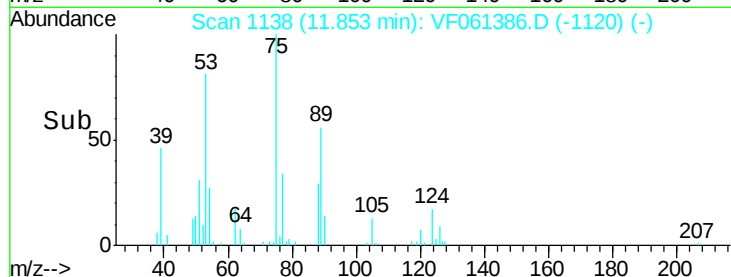
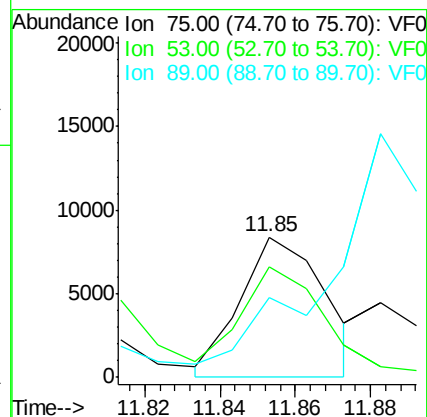
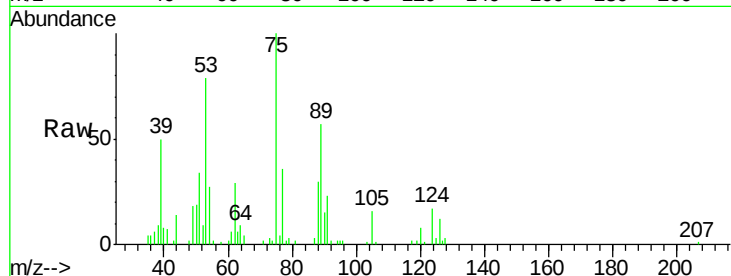
Tot Ion: 75 Resp: 13126

Ion Ratio Lower Upper

75 100

53 78.9 62.2 93.2

89 57.1 40.2 60.4



#82

4-Chlorotoluene

Concen: 19.869 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF061386.D

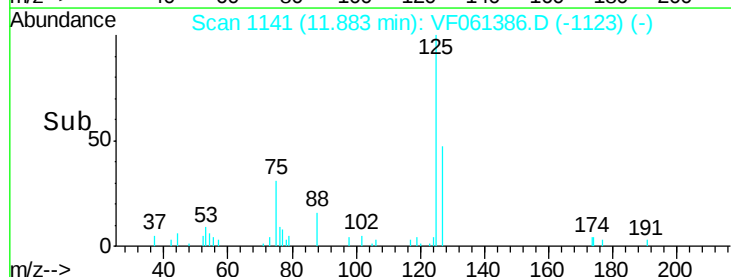
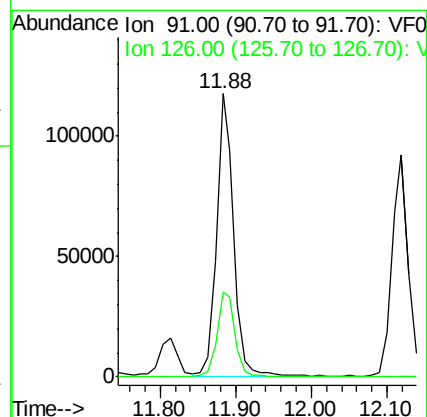
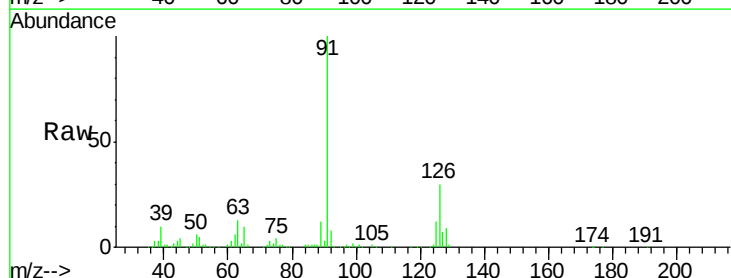
Acq: 14 Jan 2019 13:43

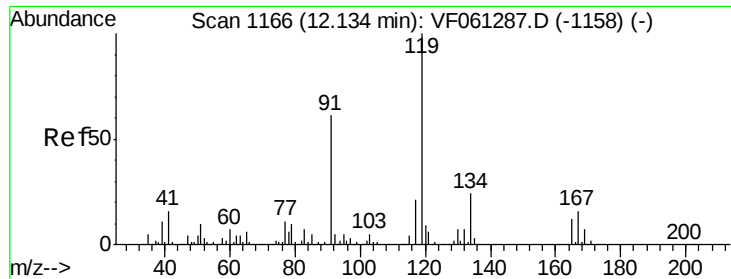
Tgt Ion: 91 Resp: 185364

Ion Ratio Lower Upper

91 100

126 30.0 16.4 49.4

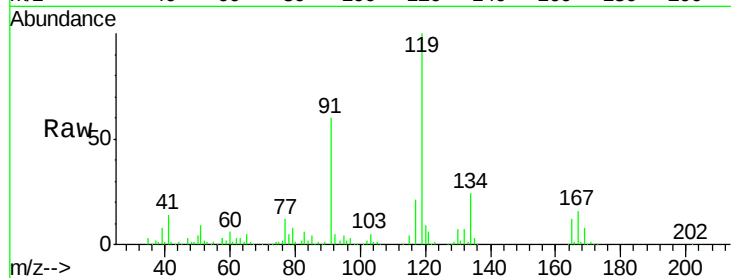




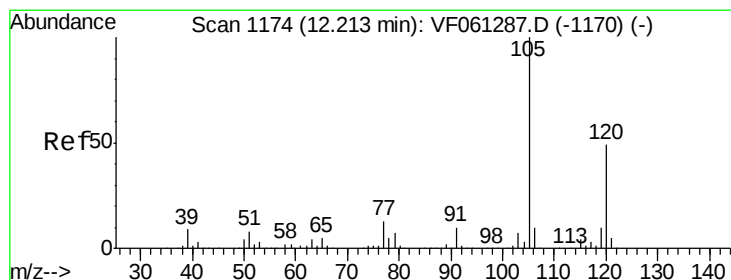
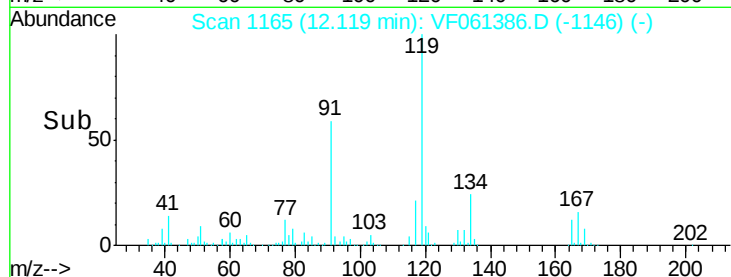
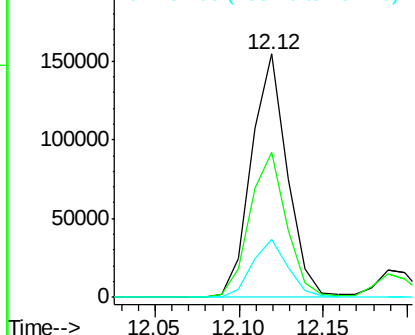
#83
 tert-Butylbenzene
 Concen: 20.919 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0114SBS01

Tot Ion:119 Resp: 229204
 Ion Ratio Lower Upper
 119 100
 91 59.8 30.8 92.4
 134 24.0 11.9 35.9

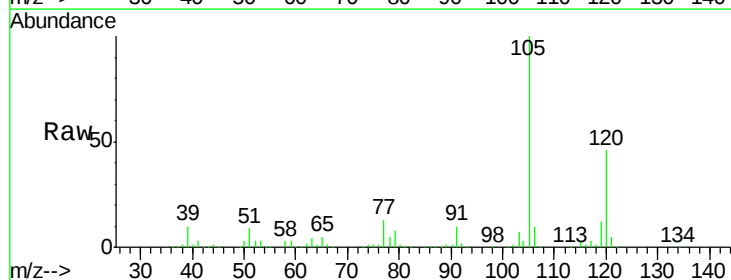


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

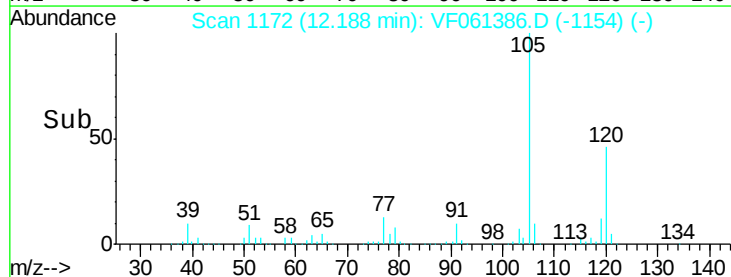
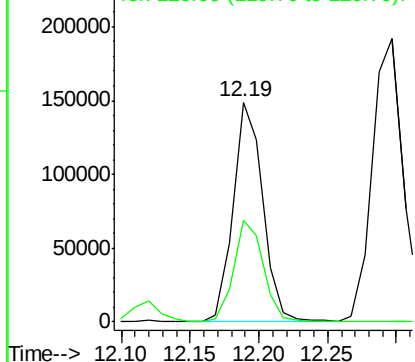


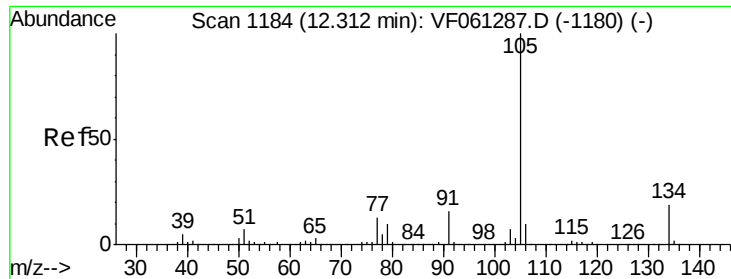
#84
 1,2,4-Trimethylbenzene
 Concen: 20.501 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Tgt Ion:105 Resp: 223851
 Ion Ratio Lower Upper
 105 100
 120 46.2 24.7 74.1



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

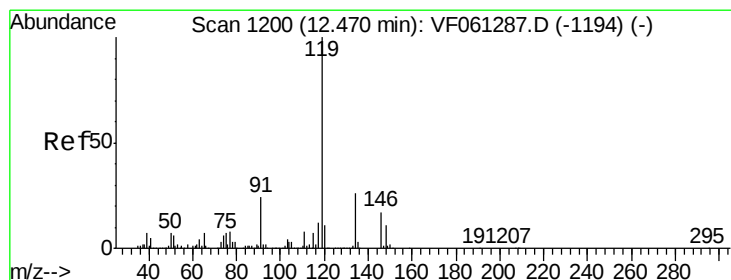
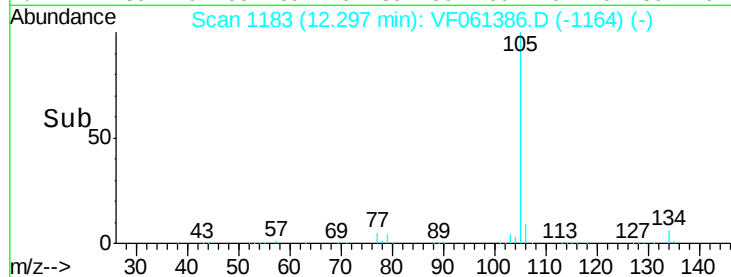
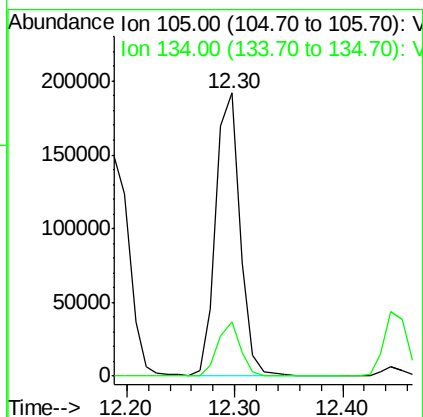
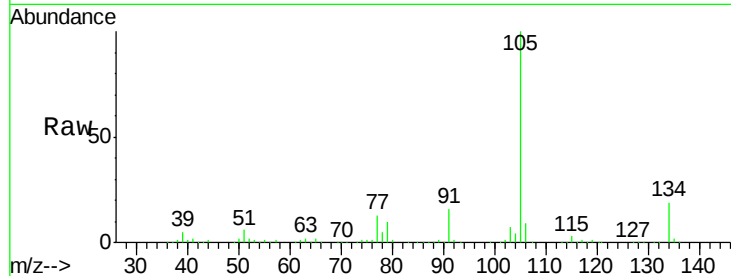




#85
 sec-Butylbenzene
 Concen: 19.286 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

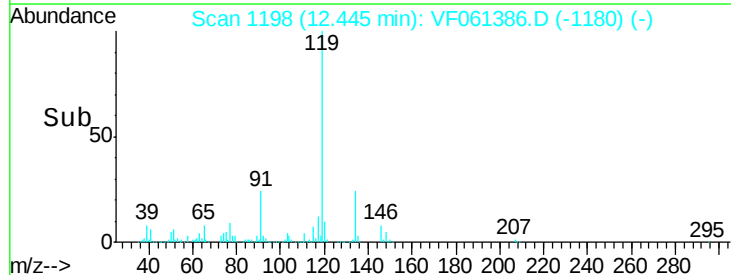
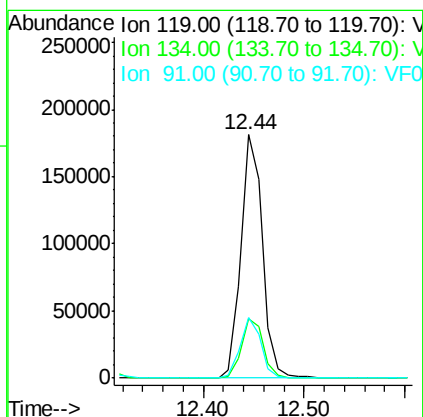
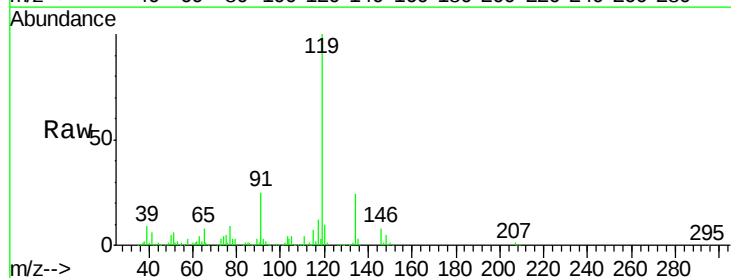
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0114SBS01

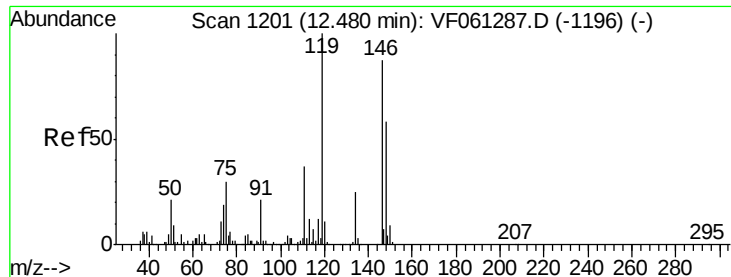
Tot Ion:105 Resp: 300889
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 21.142 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Tgt Ion:119 Resp: 268291
 Ion Ratio Lower Upper
 119 100
 134 24.1 13.0 39.0
 91 24.8 12.2 36.4

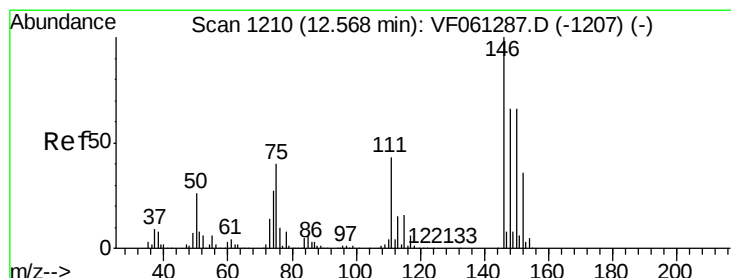
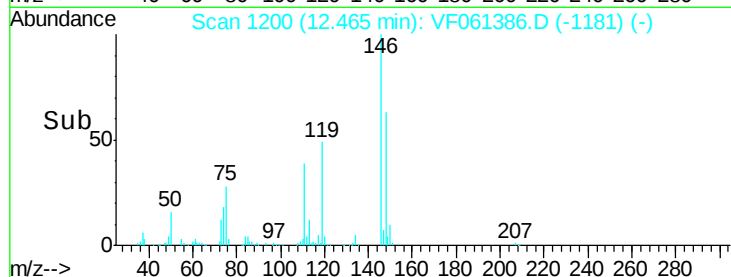
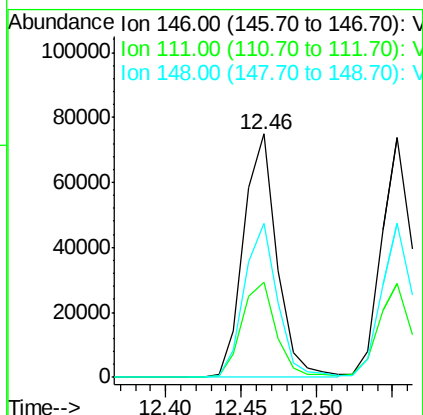
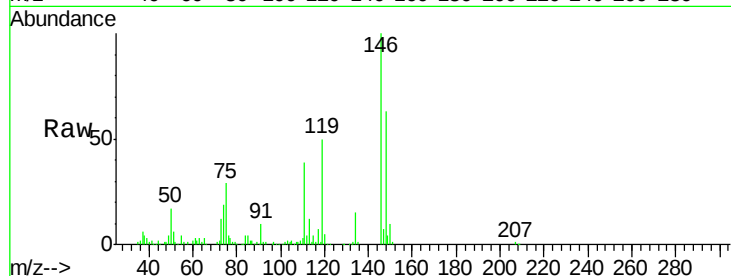




#87
 1,3-Dichlorobenzene
 Concen: 21.408 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

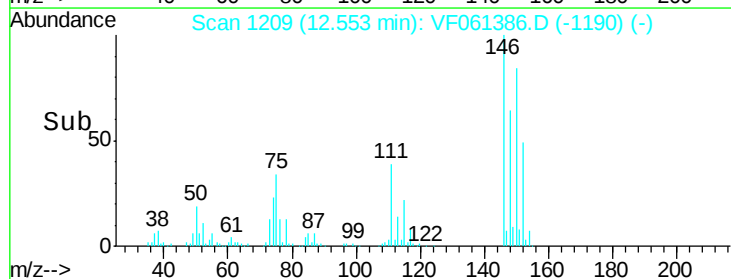
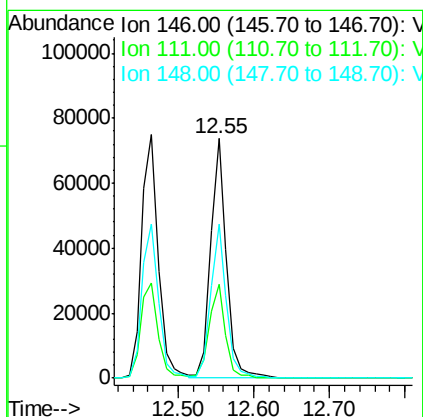
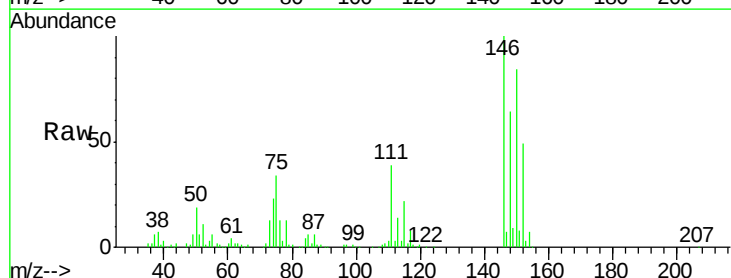
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0114SBS01

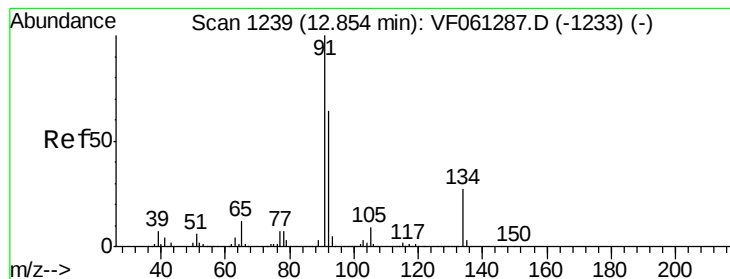
Tot Ion:146 Resp: 114958
 Ion Ratio Lower Upper
 146 100
 111 39.3 21.1 63.3
 148 63.0 33.1 99.5



#88
 1,4-Dichlorobenzene
 Concen: 21.263 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Tgt Ion:146 Resp: 109767
 Ion Ratio Lower Upper
 146 100
 111 39.4 21.4 64.2
 148 64.4 33.0 98.9





#89

n-Butylbenzene

Concen: 21.323 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

VF0114SBS01

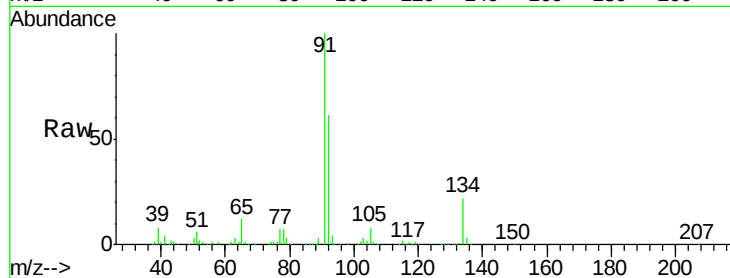
Tot Ion: 91 Resp: 278014

Ion Ratio Lower Upper

91 100

92 61.0 32.1 96.3

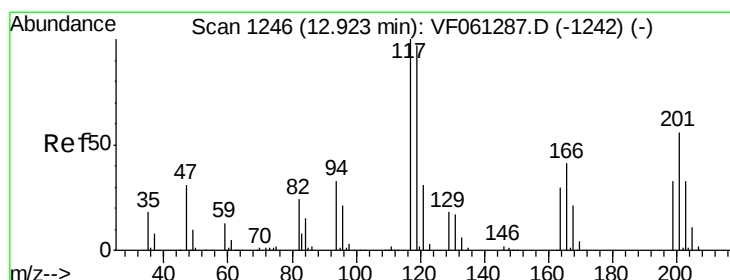
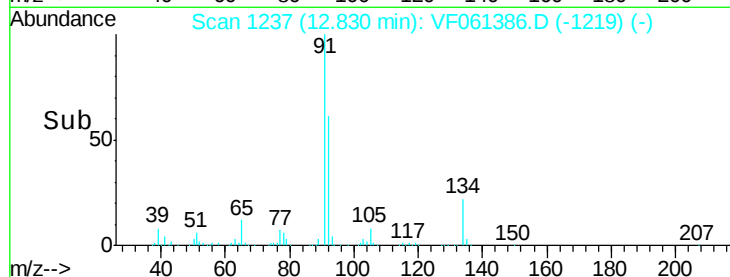
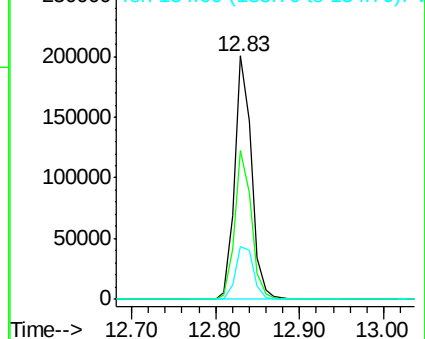
134 21.6 13.4 40.1



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: 21.253 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF061386.D

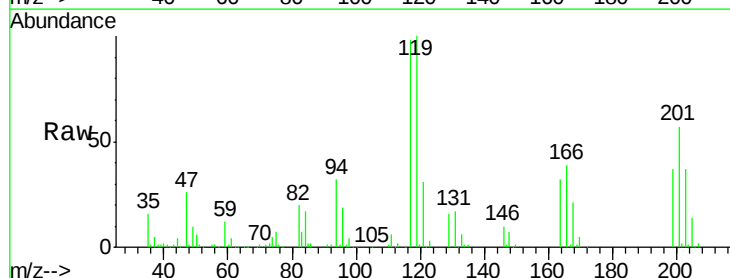
Acq: 14 Jan 2019 13:43

Tgt Ion: 117 Resp: 61693

Ion Ratio Lower Upper

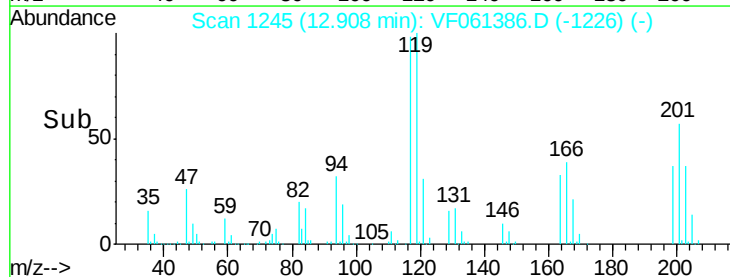
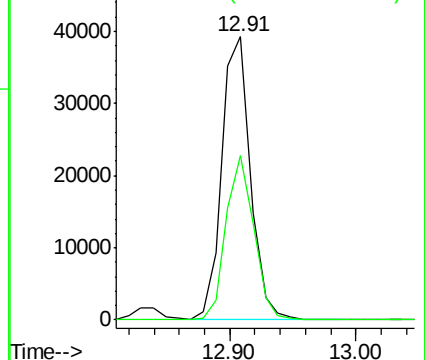
117 100

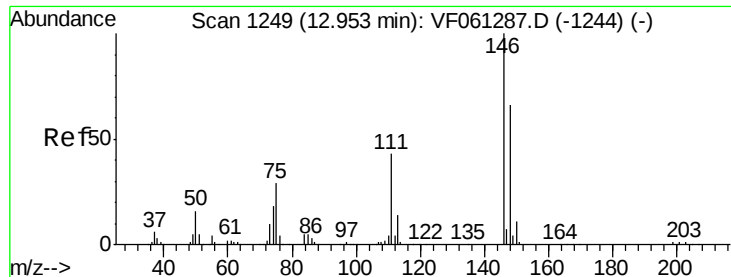
201 59.9 27.9 83.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 20.667 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

VF0114SBS01

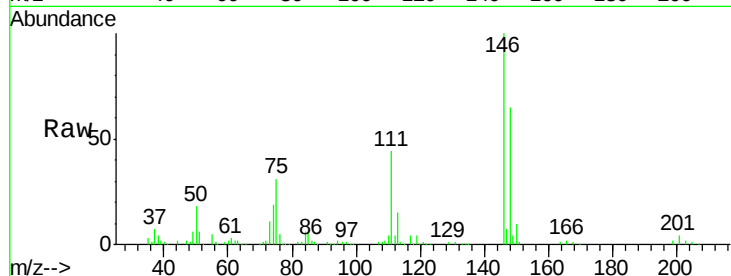
Tot Ion:146 Resp: 105924

Ion Ratio Lower Upper

146 100

111 43.7 21.4 64.3

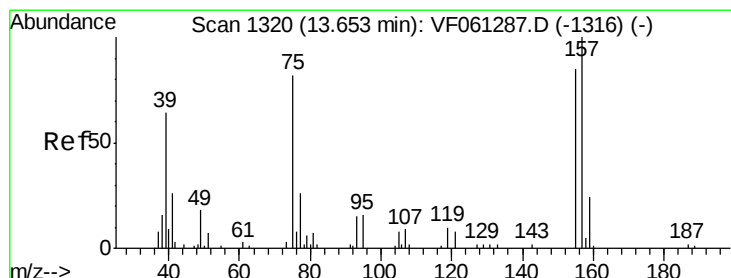
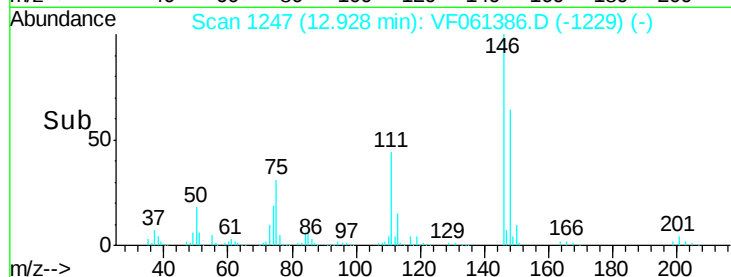
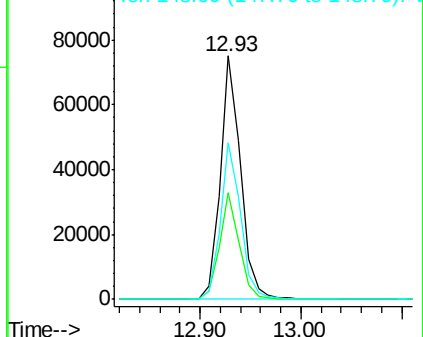
148 64.6 33.1 99.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.701 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

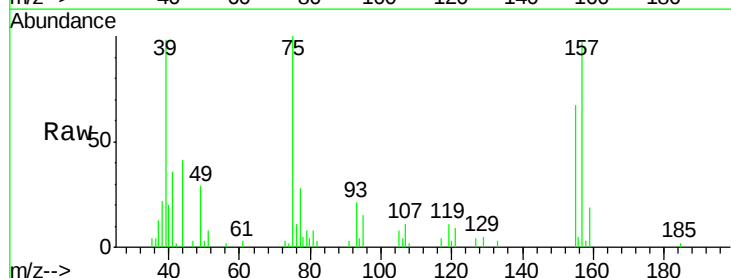
Tgt Ion: 75 Resp: 7665

Ion Ratio Lower Upper

75 100

155 66.7 51.3 154.0

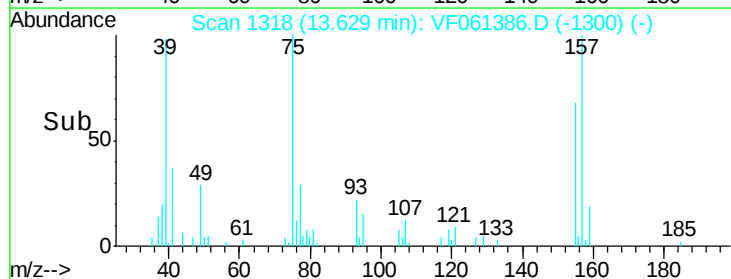
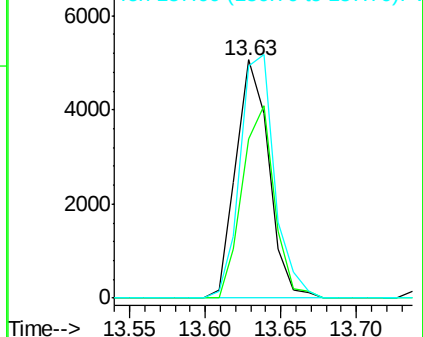
157 97.5 60.7 182.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

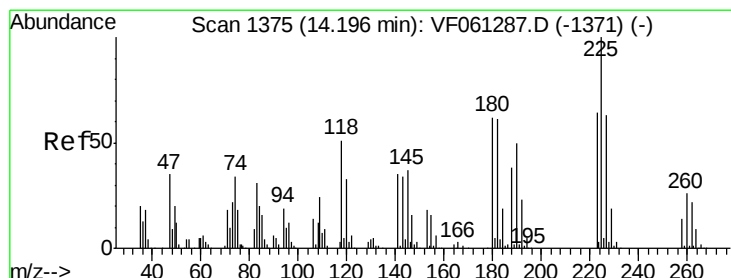
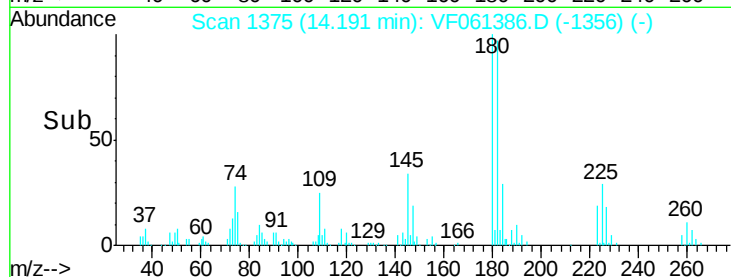
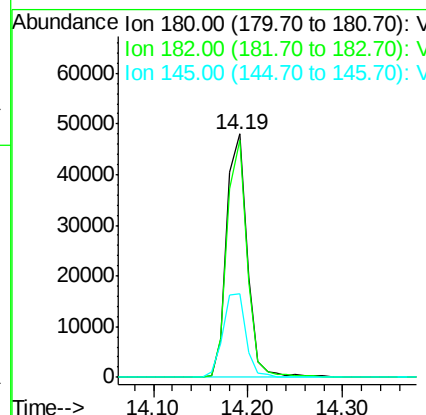
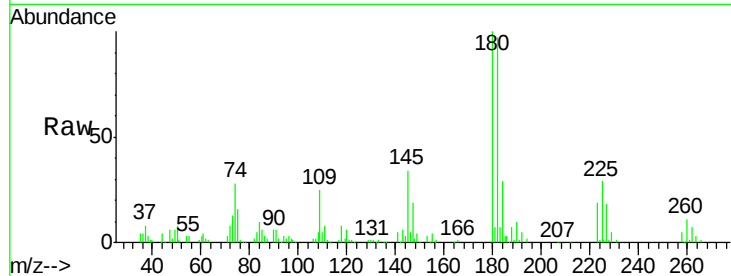




#93
 1,2,4-Trichlorobenzene
 Concen: 20.664 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

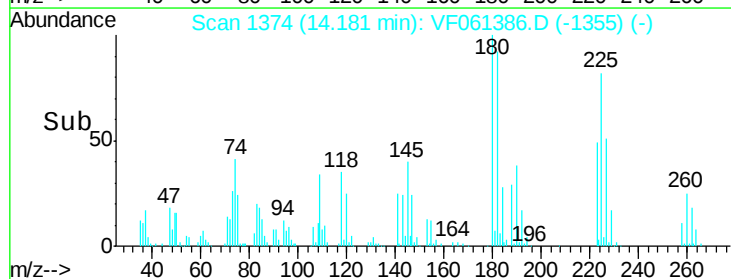
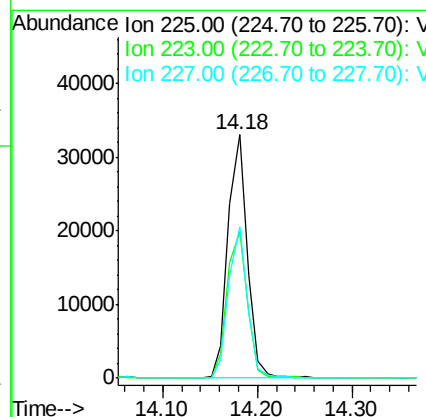
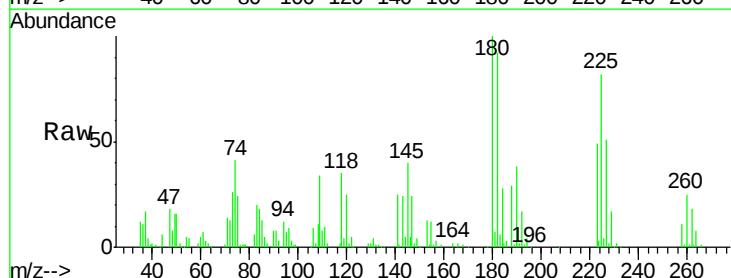
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0114SBS01

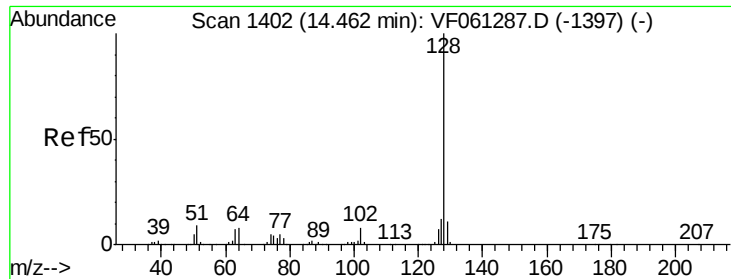
Tot Ion:180 Resp: 72882
 Ion Ratio Lower Upper
 180 100
 182 97.3 47.0 141.2
 145 34.4 19.7 59.1



#94
 Hexachlorobutadiene
 Concen: 20.601 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Tgt Ion:225 Resp: 46777
 Ion Ratio Lower Upper
 225 100
 223 60.4 31.8 95.4
 227 62.0 31.3 93.9

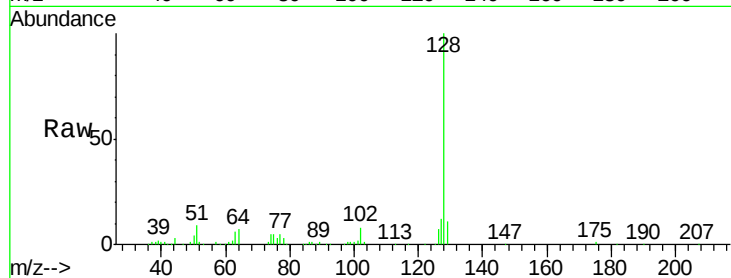




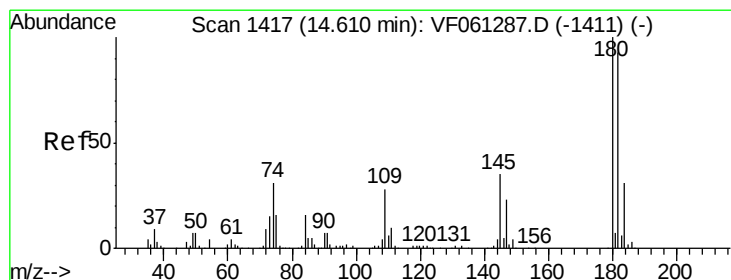
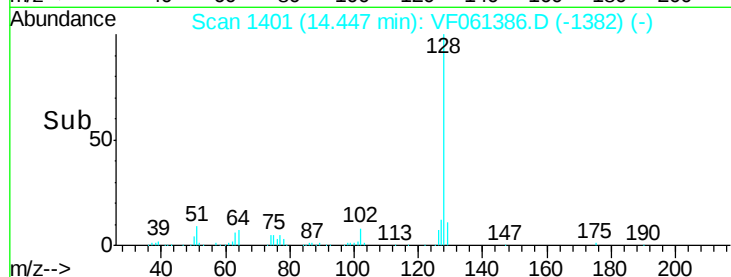
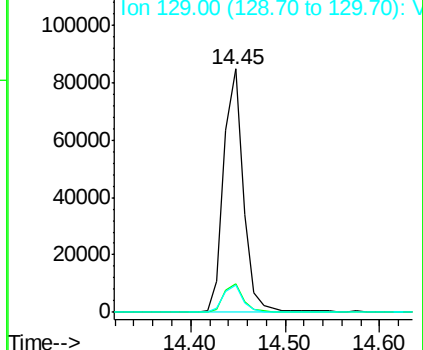
#95
Naphthalene
Concen: 18.566 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Instrument :
MSVOA_F
ClientSampleId :
VF0114SBS01

Tot Ion:128 Resp: 123405
Ion Ratio Lower Upper
128 100
127 11.9 9.4 14.0
129 11.0 8.8 13.2

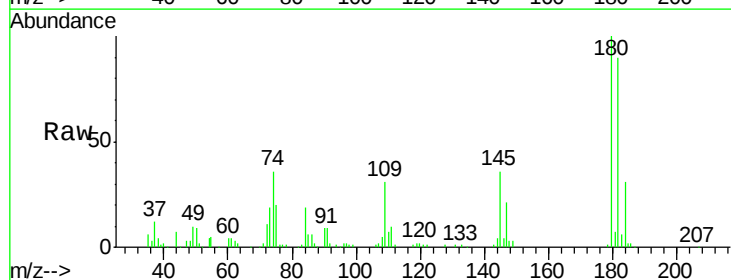


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.755 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Tgt Ion:180 Resp: 62310
Ion Ratio Lower Upper
180 100
182 90.4 46.5 139.3
145 36.3 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

