

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 :

Quant Time: Jan 14 21:39:43 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

33) 1,2-Dichloroethane-d4	4.82	65	125101	57.87	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	115.74%	
35) Dibromofluoromethane	4.10	113	143452	56.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.12%	
50) Toluene-d8	7.53	98	387929	51.23	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.40	95	171577	51.89	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						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	1.84	142	19950	4.989	ug/l #	80
11) Tert butyl alcohol	2.55	59	9664	111.656	ug/l #	86
12) 1,1-Dichloroethene	1.74	96	10504	5.147	ug/l	97
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	2.41	43	17424	17.611	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	66363	17.064	ug/l	94
20) Methylene Chloride	2.24	84	16353	7.687	ug/l	97
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	49360	11.270	ug/l	87
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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Instrument :
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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	19100	27.193	ug/l	95
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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Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

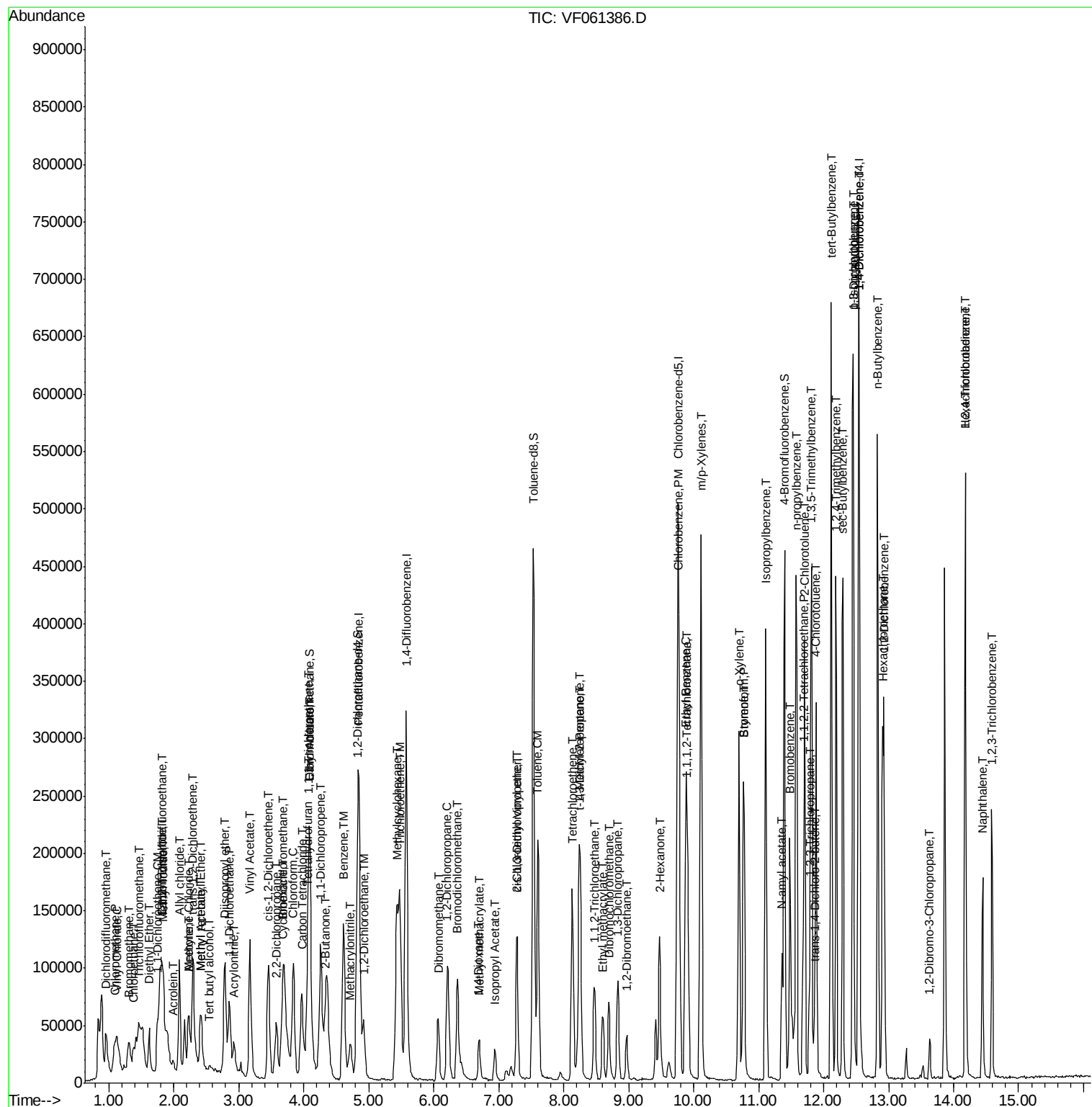
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	72882	20.664	ug/l	95
94) Hexachlorobutadiene	14.18	225	46777	20.601	ug/l	98
95) Naphthalene	14.45	128	123405	18.566	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	62310	18.755	ug/l	98

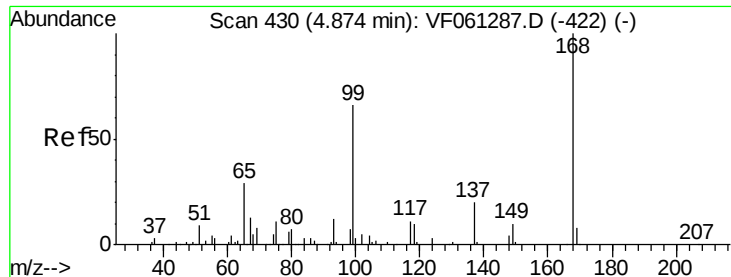
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011419\
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#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

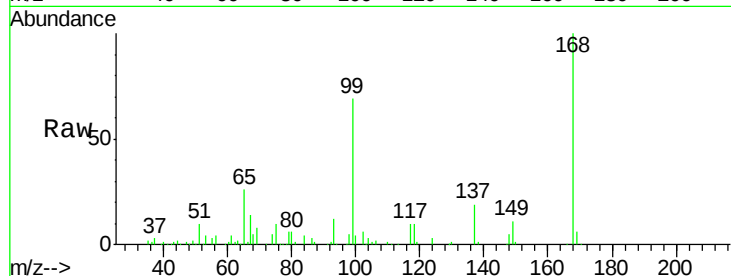
Instrument :
MSVOA_F
ClientSampled :

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

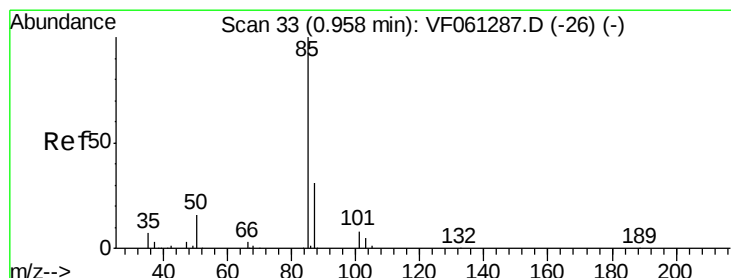
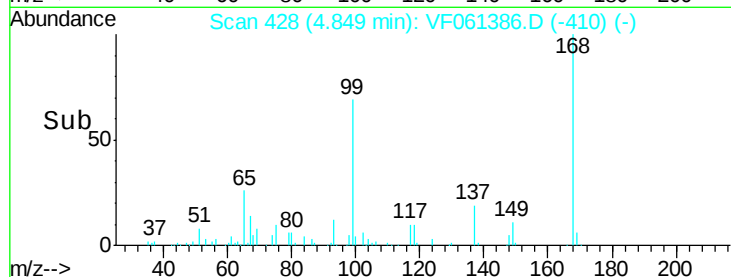
40000

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

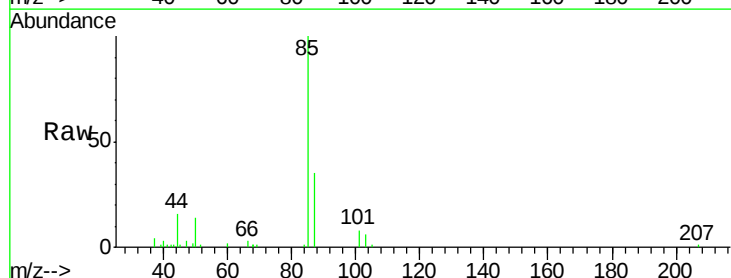
Acq: 14 Jan 2019 13:43

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

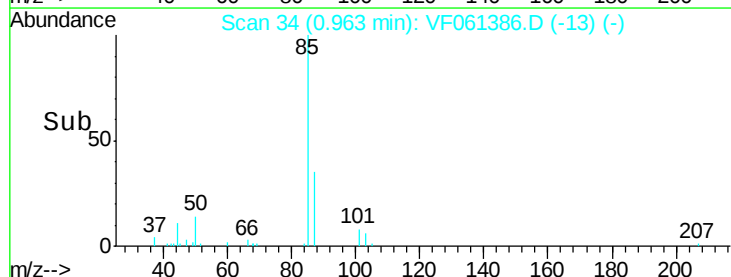
10000

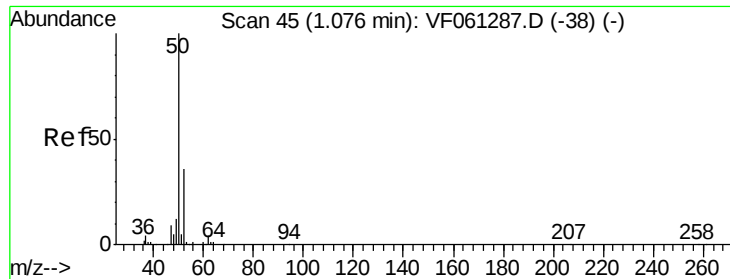
5000

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

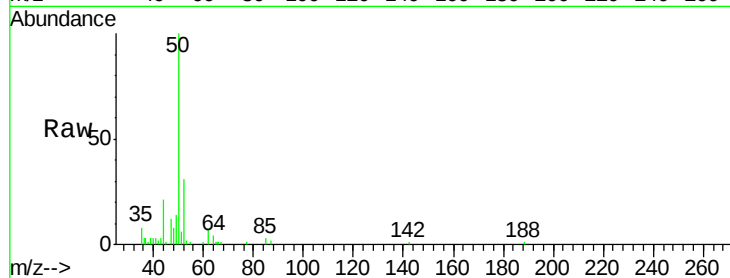
ClientSampleId :

Tot Ion: 50 Resp: 55320

Ion Ratio Lower Upper

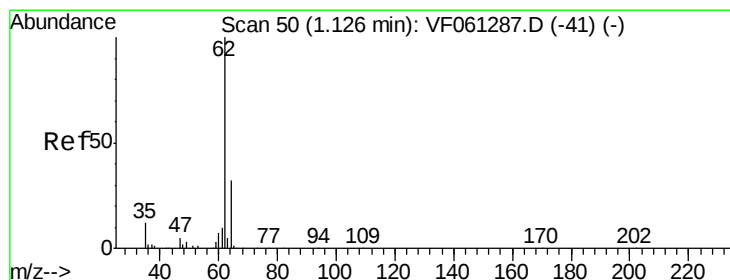
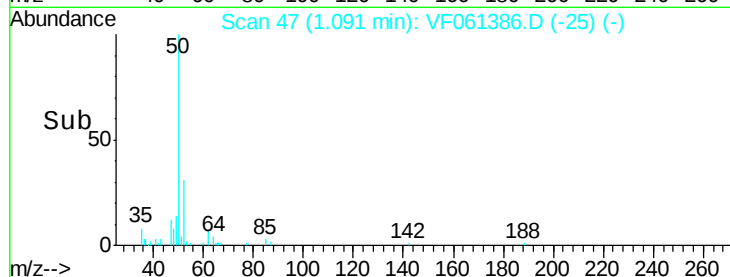
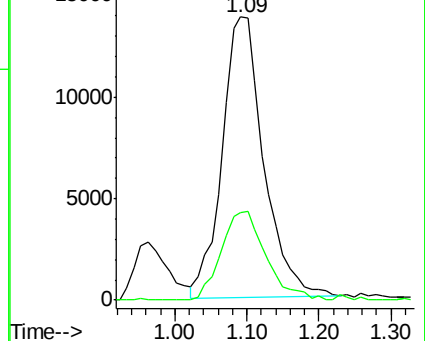
50 100

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

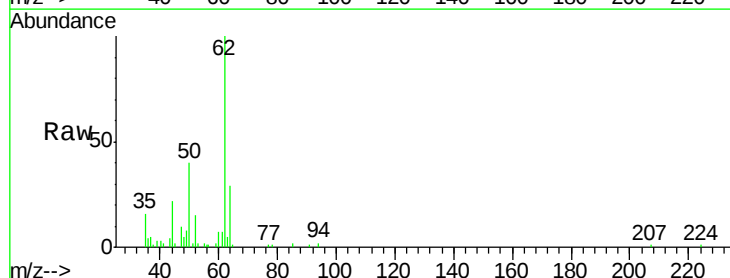
Acq: 14 Jan 2019 13:43

Tgt Ion: 62 Resp: 52089

Ion Ratio Lower Upper

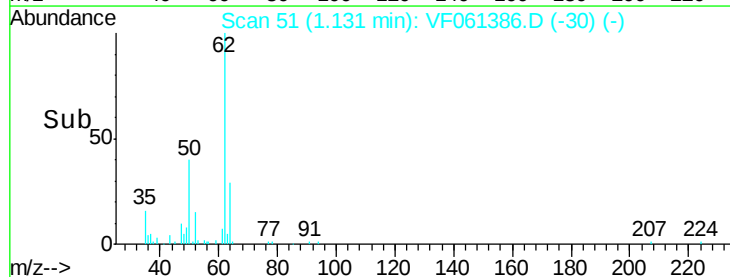
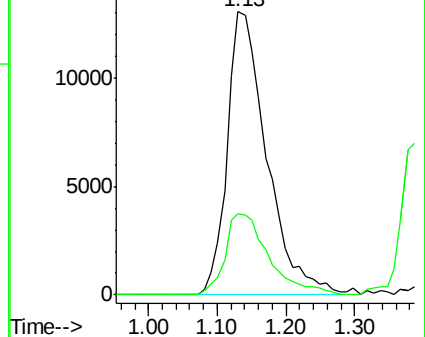
62 100

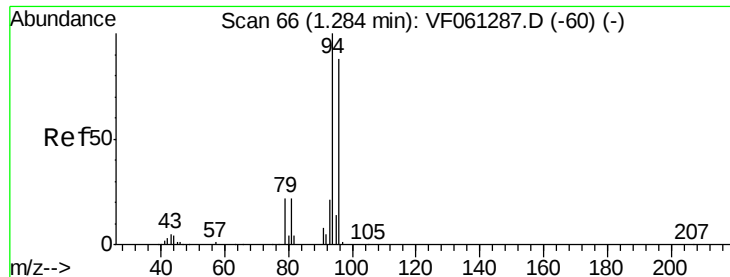
64 28.6 25.4 38.0



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

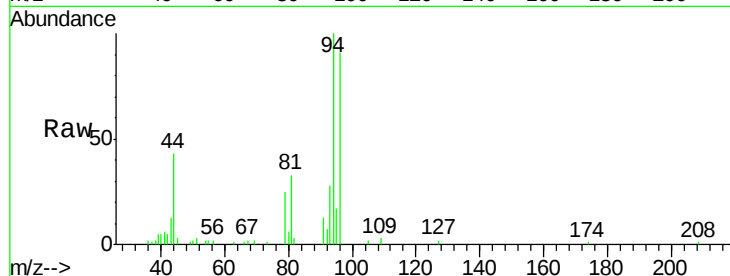
Instrument :
MSVOA_F
ClientSampleId :

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

1.31

8000

6000

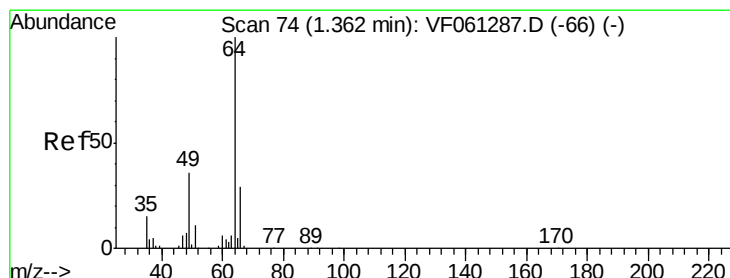
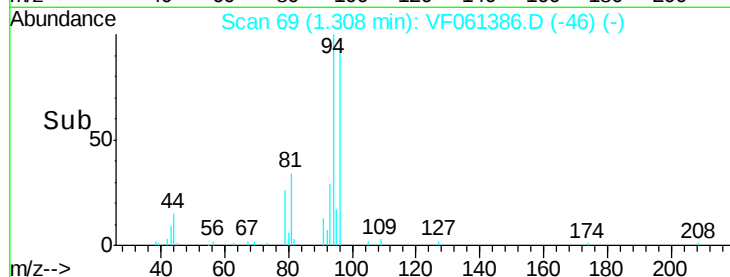
4000

2000

0

Time-->

1.20 1.30 1.40



#6

Chloroethane

Concen: 15.903 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.02 min

Lab File: VF061386.D

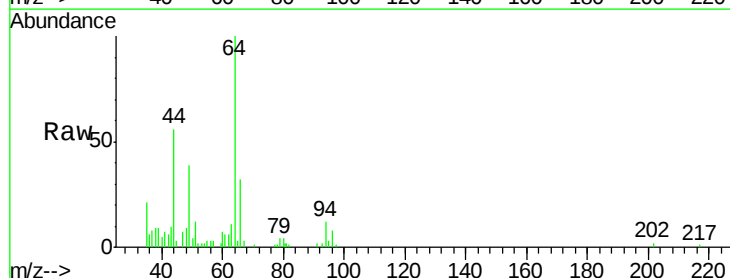
Acq: 14 Jan 2019 13:43

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

1.39

8000

6000

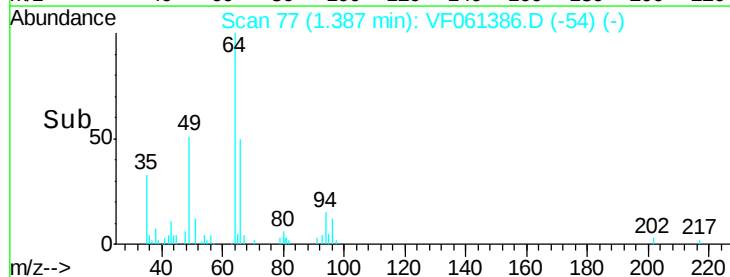
4000

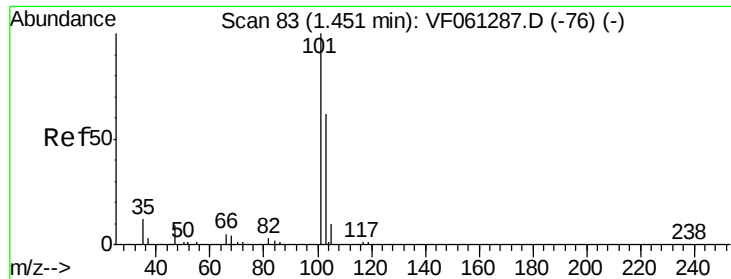
2000

0

Time-->

1.20 1.30 1.40 1.50





#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 :

MSVOA_F

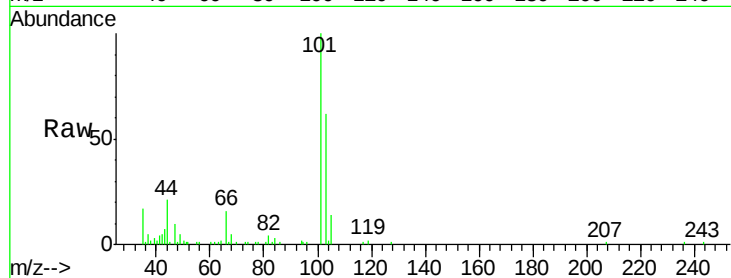
ClientSampleId :

Tot Ion:101 Resp: 87647

Ion Ratio Lower Upper

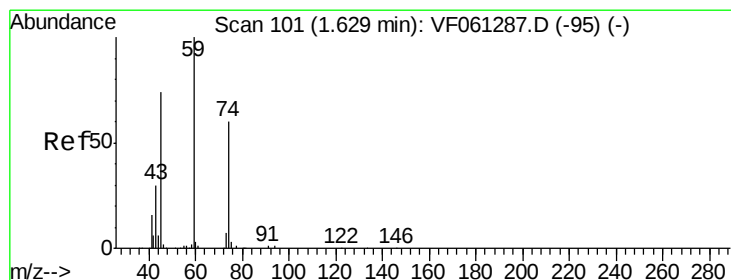
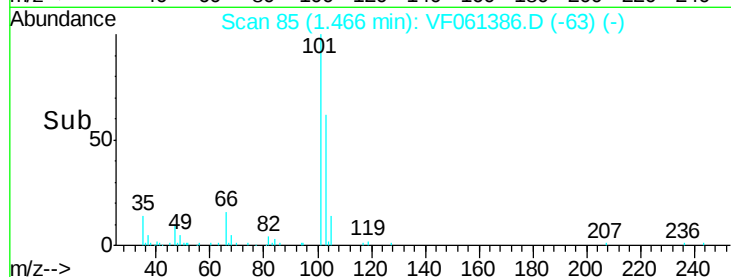
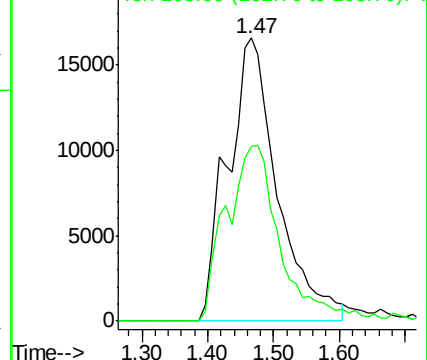
101 100

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

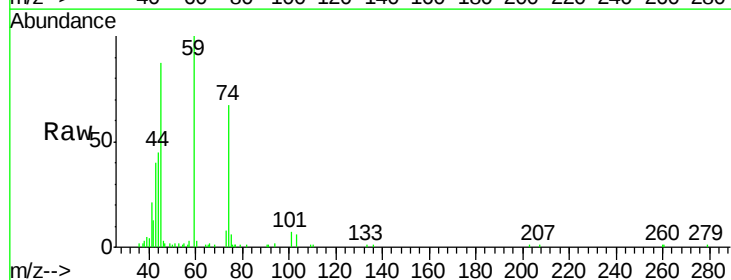
Acq: 14 Jan 2019 13:43

Tgt Ion: 74 Resp: 11637

Ion Ratio Lower Upper

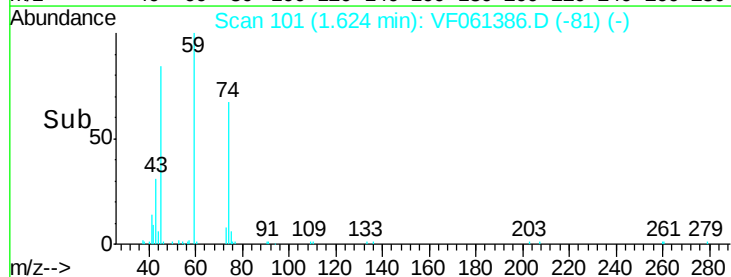
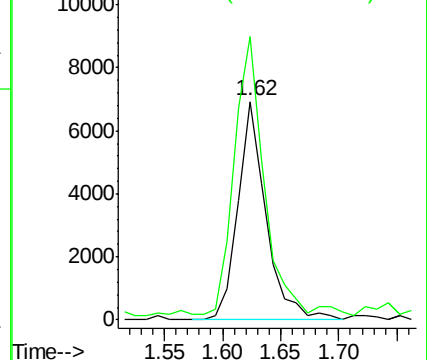
74 100

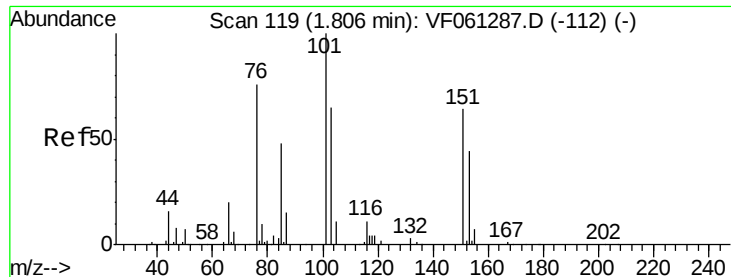
45 129.5 62.1 186.3



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

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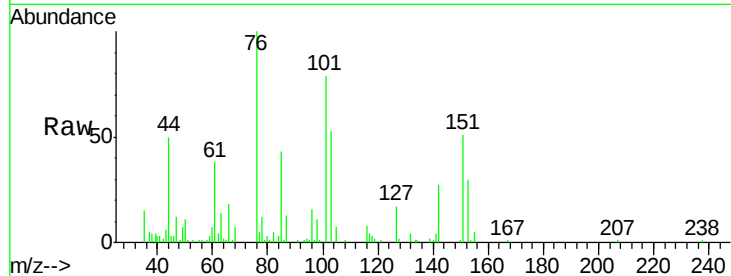
Tot Ion:101 Resp: 41832

Ion Ratio Lower Upper

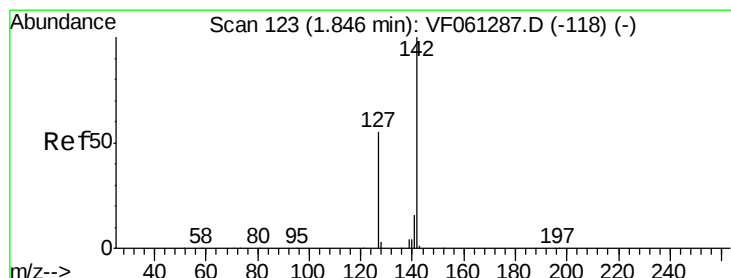
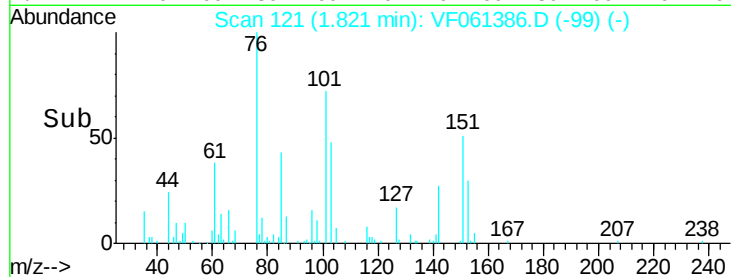
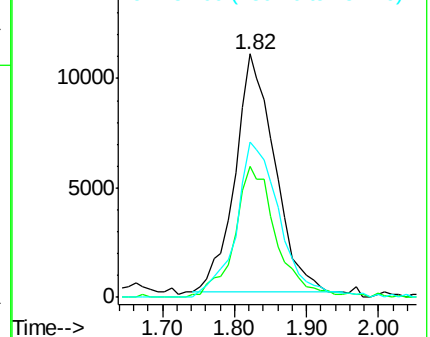
101 100

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: 4.989 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

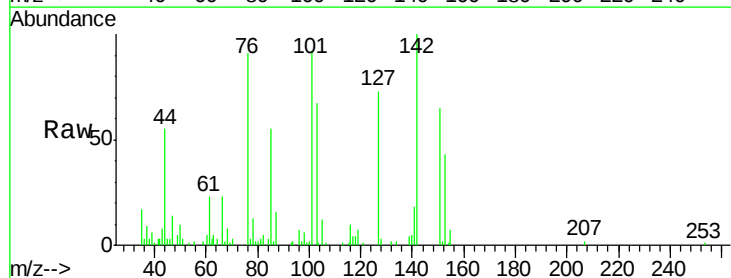
Tgt Ion:142 Resp: 19950

Ion Ratio Lower Upper

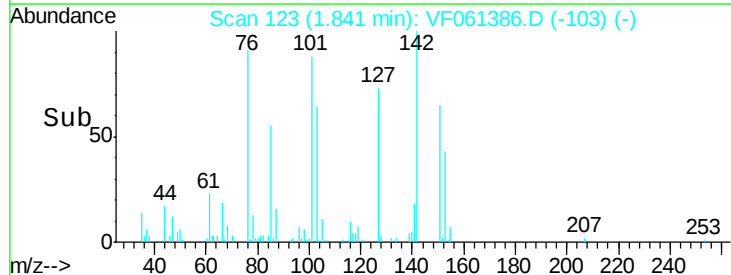
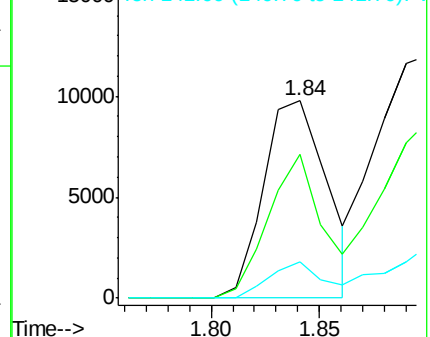
142 100

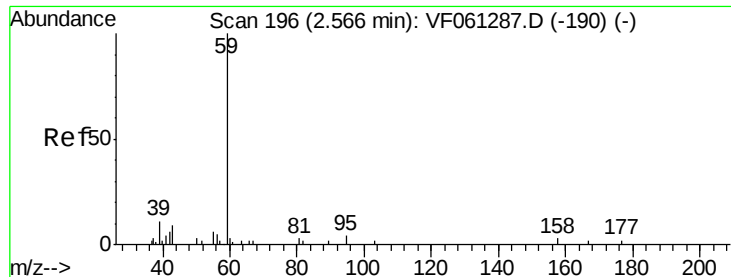
127 72.9 44.3 66.5#

141 18.4 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



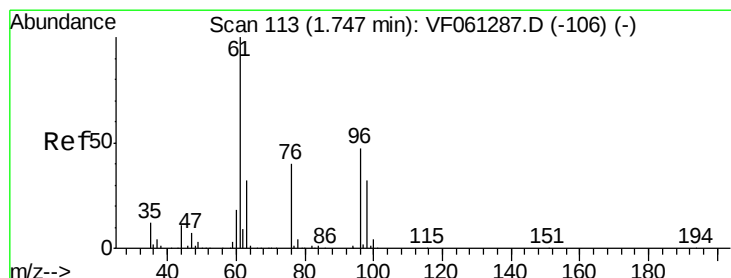
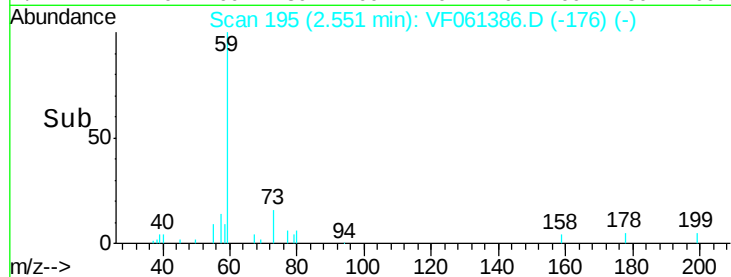
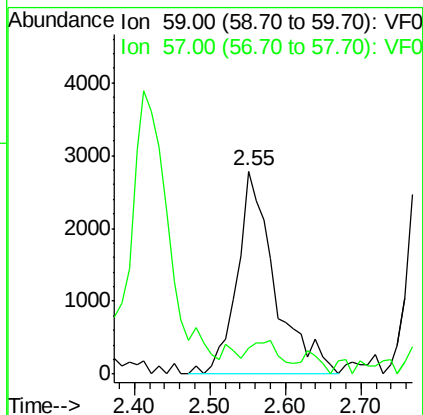
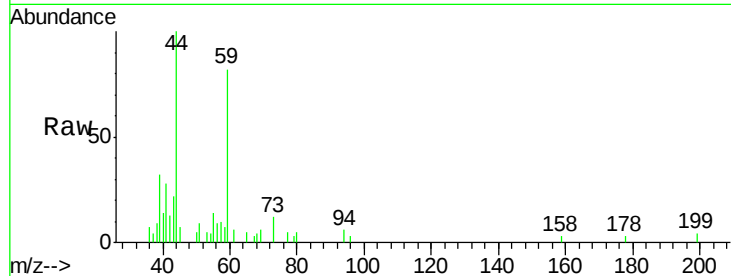


#11

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
ClientSampled :

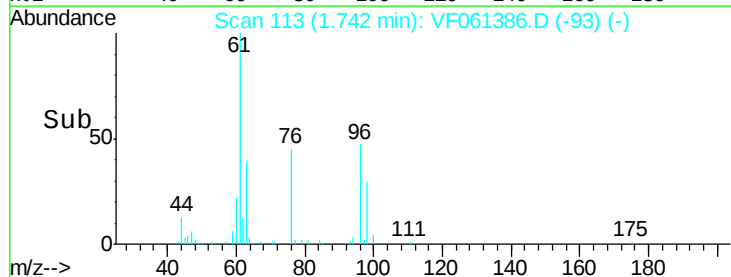
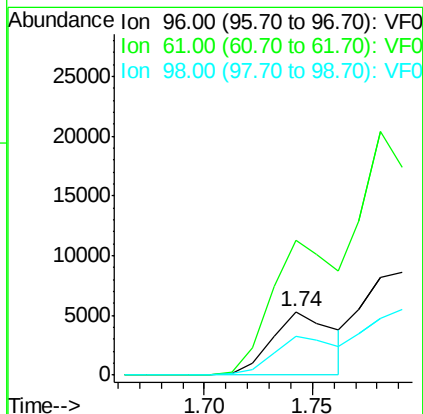
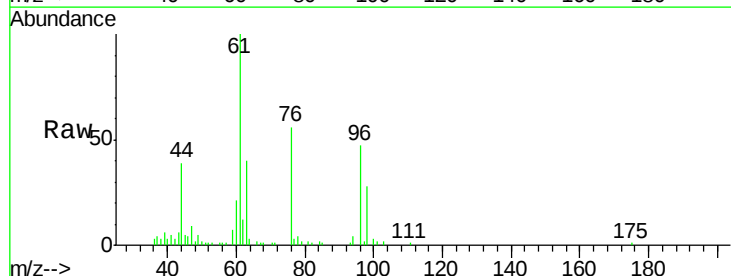
Tot Ion: 59 Resp: 9664
Ion Ratio Lower Upper
59 100
57 12.6 15.1 22.7#

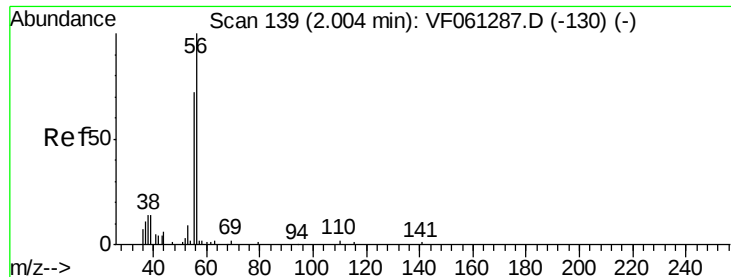


#12

1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 1.74 min Scan# 113
Delta R.T. -0.01 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Tgt Ion: 96 Resp: 10504
Ion Ratio Lower Upper
96 100
61 213.5 171.8 257.8
98 60.7 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

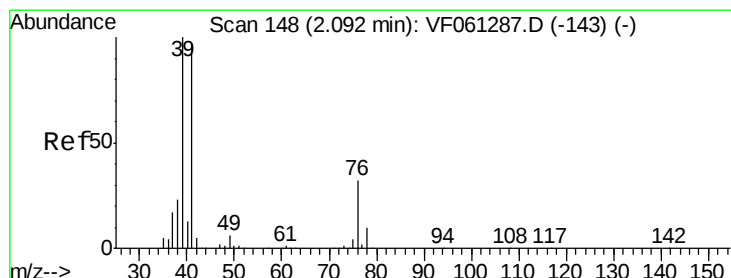
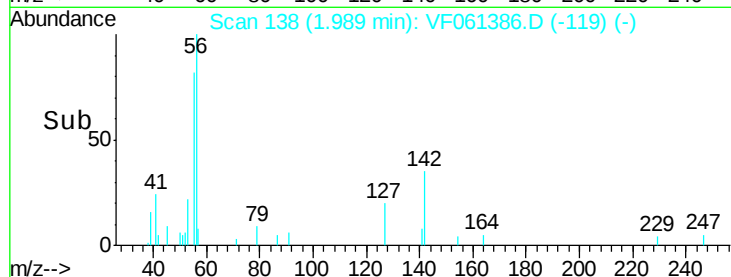
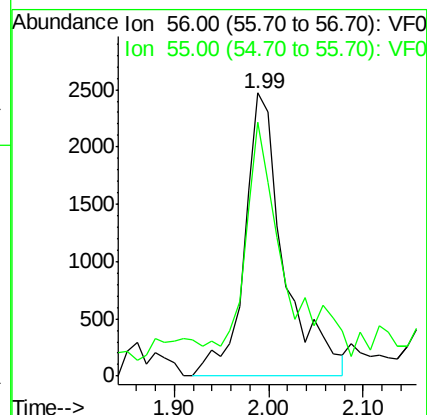
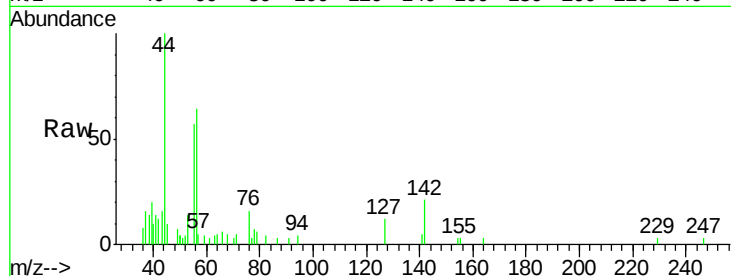
Instrument :
MSVOA_F
ClientSampled :

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

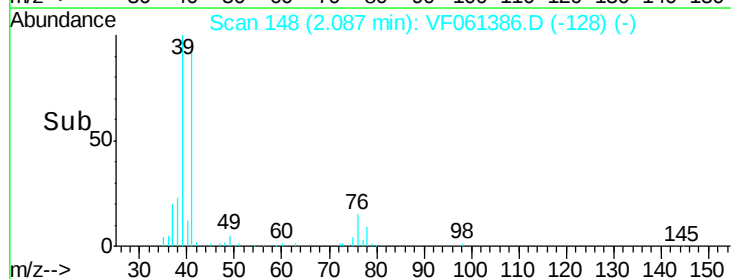
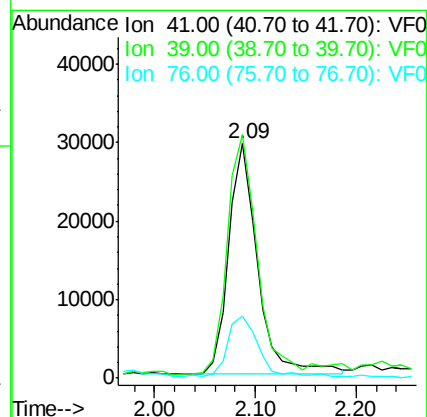
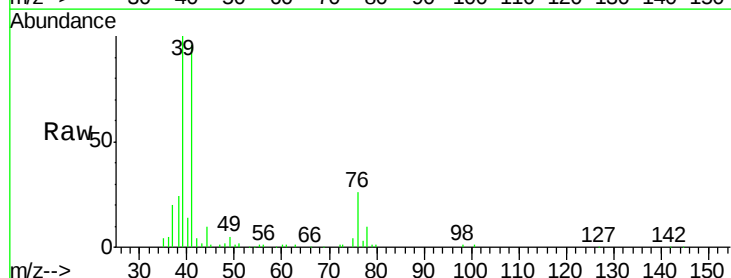
Tgt Ion: 41 Resp: 58440

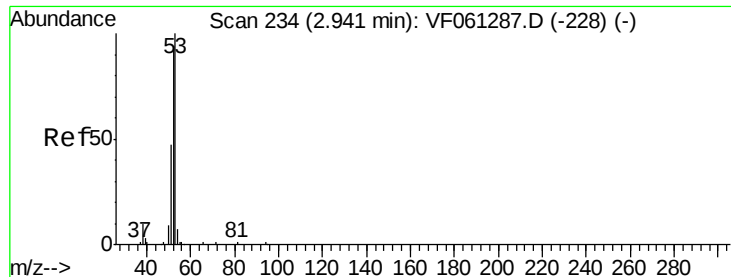
Ion Ratio Lower Upper

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 :

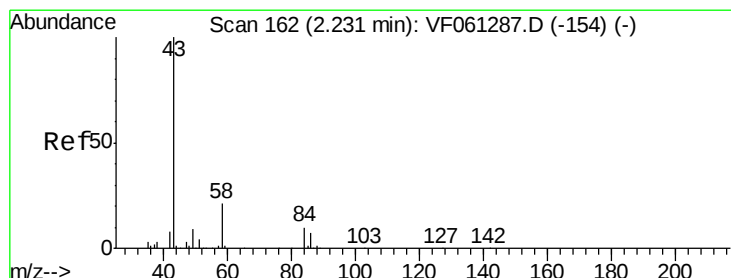
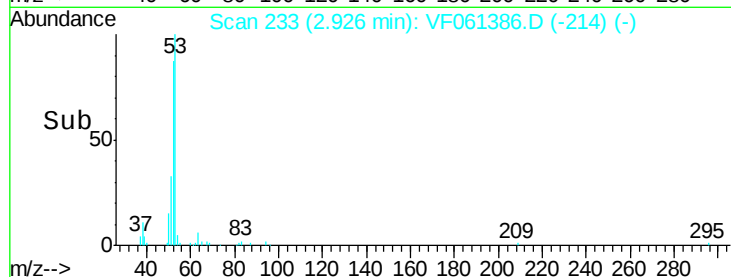
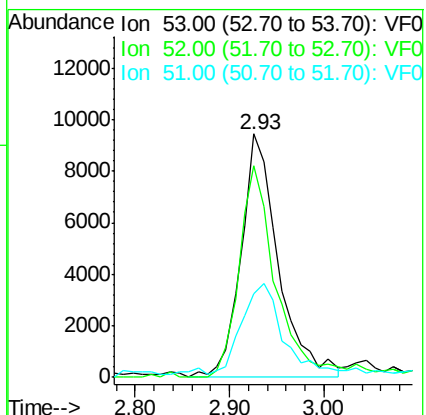
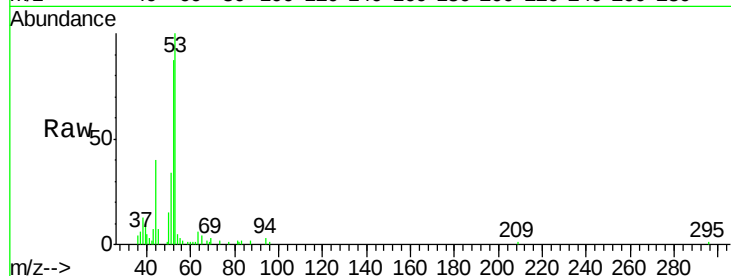
Tot Ion: 53 Resp: 25979

Ion Ratio Lower Upper

53 100

52 86.8 74.6 111.8

51 34.3 37.8 56.6#



#16

Acetone

Concen: 107.499 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061386.D

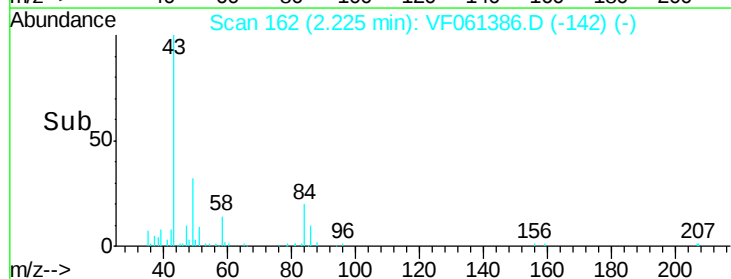
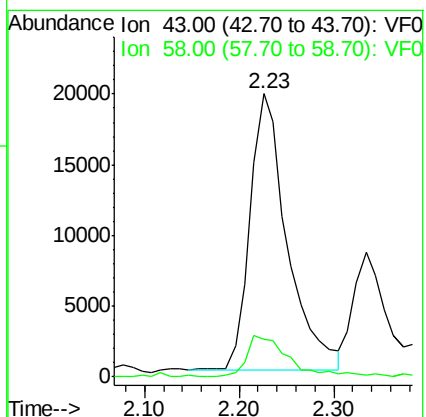
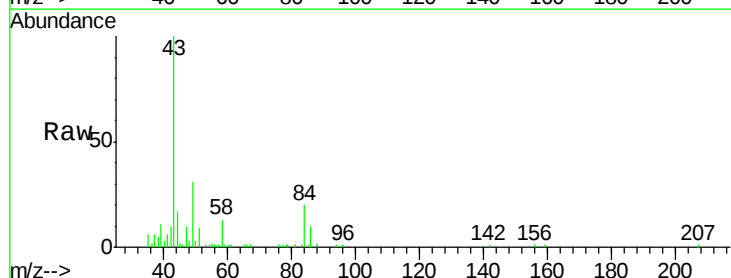
Acq: 14 Jan 2019 13:43

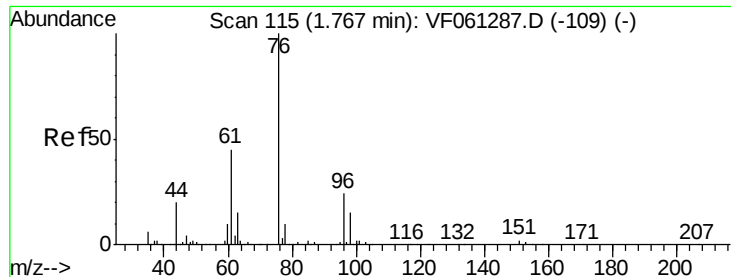
Tgt Ion: 43 Resp: 54058

Ion Ratio Lower Upper

43 100

58 13.3 16.6 25.0#

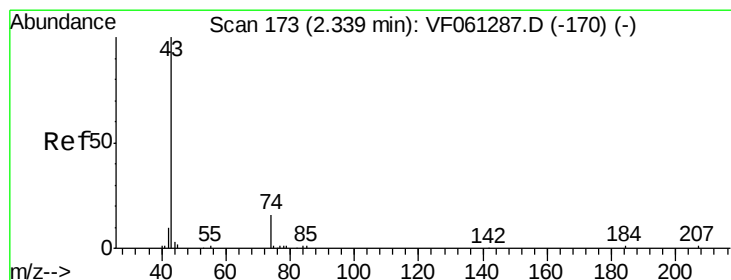
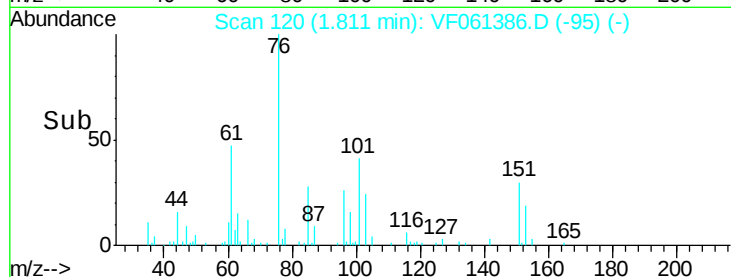
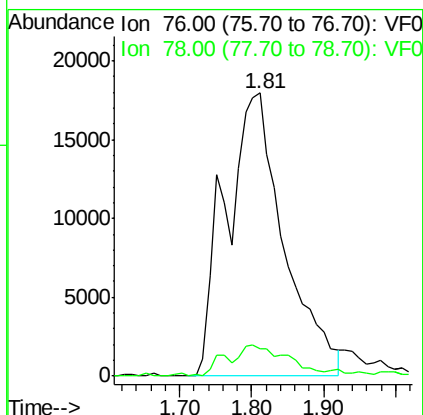
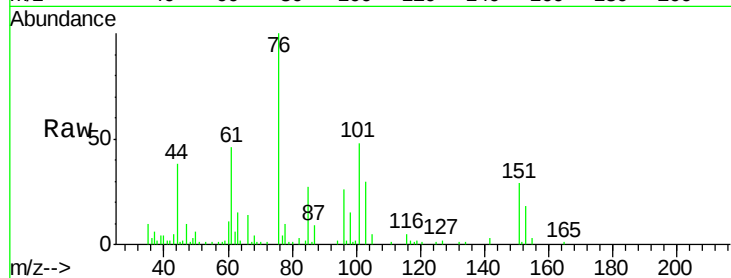




#17
Carbon Disulfide
Concen: 15.006 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.04 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

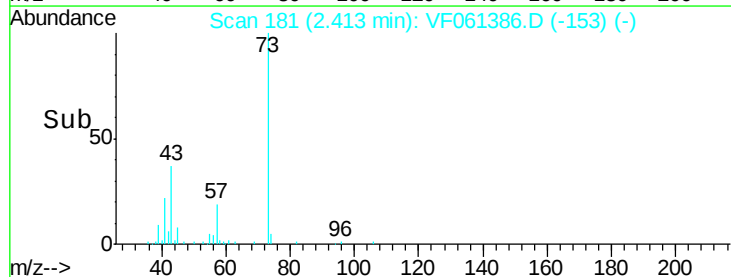
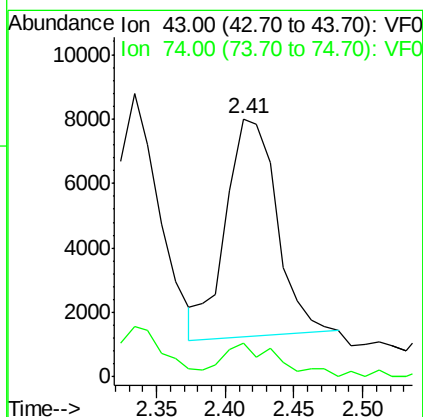
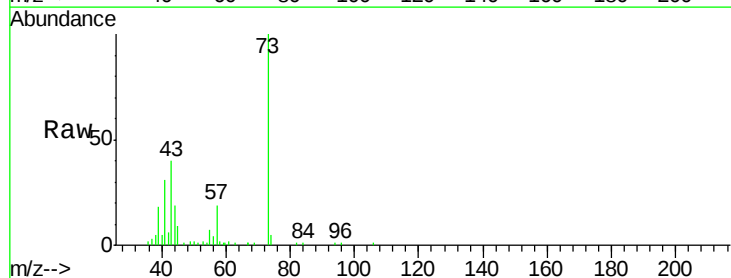
Instrument :
MSVOA_F
ClientSampleId :

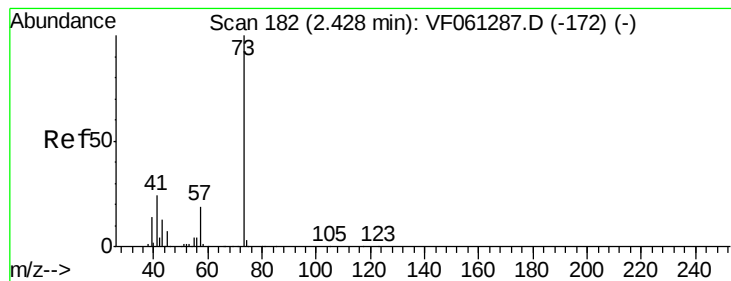
Tot Ion: 76 Resp: 101157
Ion Ratio Lower Upper
76 100
78 9.9 7.8 11.6



#18
Methyl Acetate
Concen: 17.611 ug/l
RT: 2.41 min Scan# 181
Delta R.T. 0.07 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Tgt Ion: 43 Resp: 17424
Ion Ratio Lower Upper
43 100
74 12.9 11.6 17.4



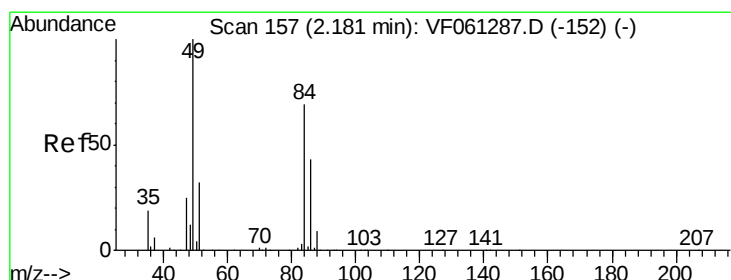
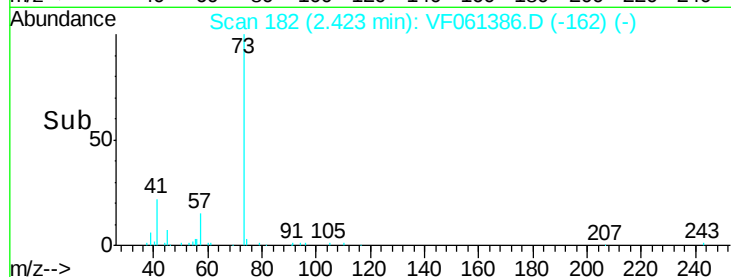
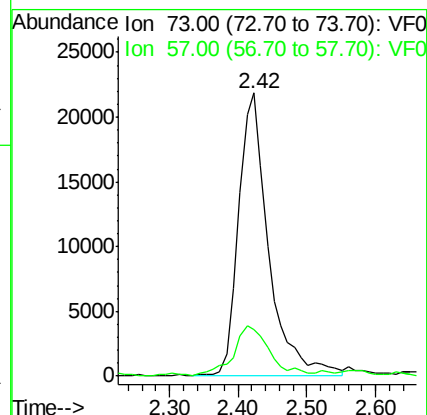
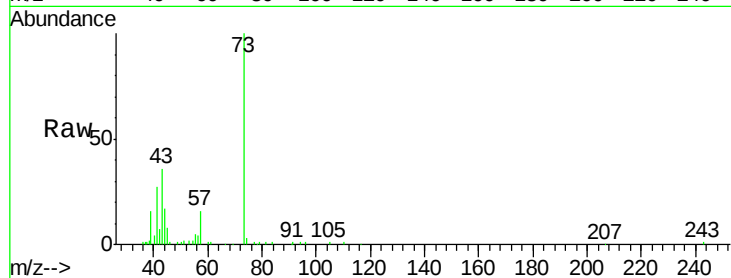


#19

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 :

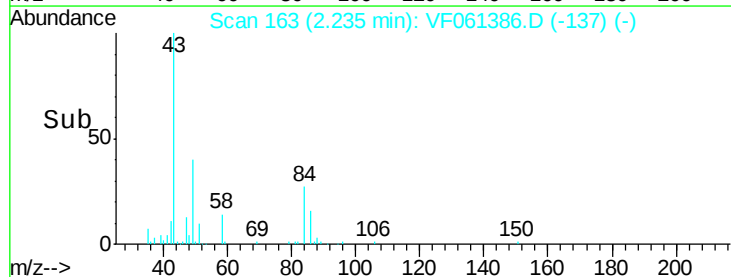
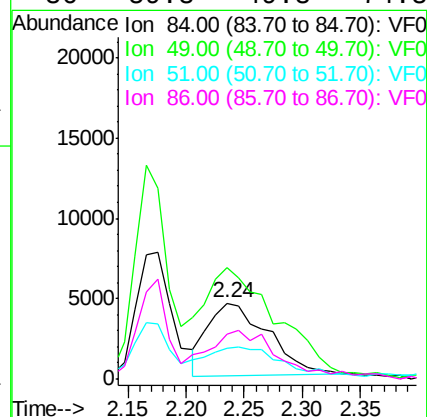
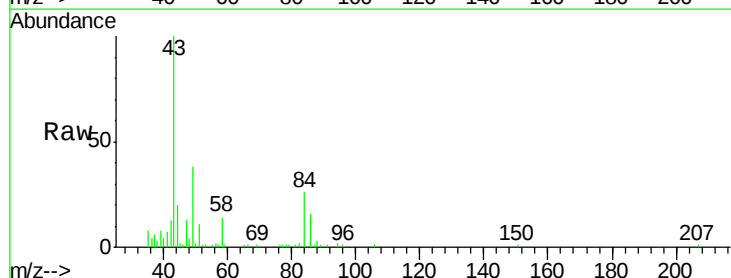
Tot Ion: 73 Resp: 66363
 Ion Ratio Lower Upper
 73 100
 57 16.5 15.5 23.3

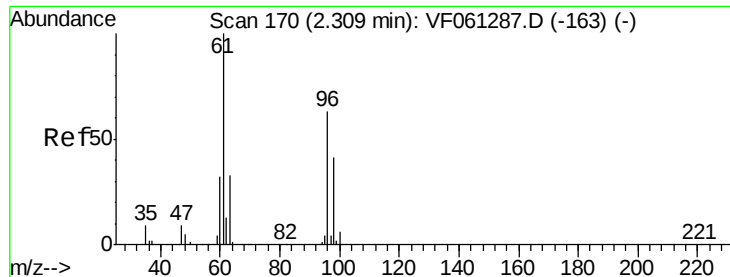


#20

Methylene Chloride
 Concen: 7.687 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. 0.05 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Tgt Ion: 84 Resp: 16353
 Ion Ratio Lower Upper
 84 100
 49 146.7 116.6 175.0
 51 40.6 37.7 56.5
 86 59.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 16.984 ug/l

RT: 2.29 min Scan# 169

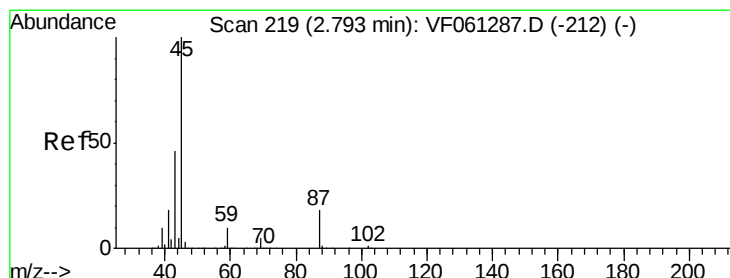
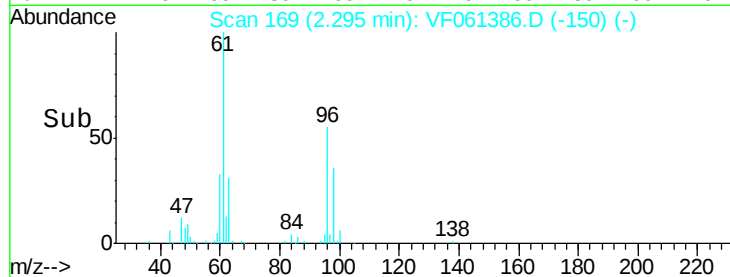
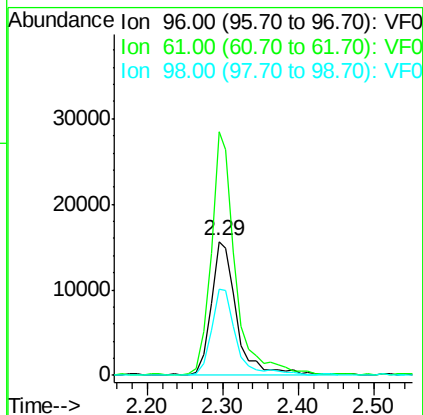
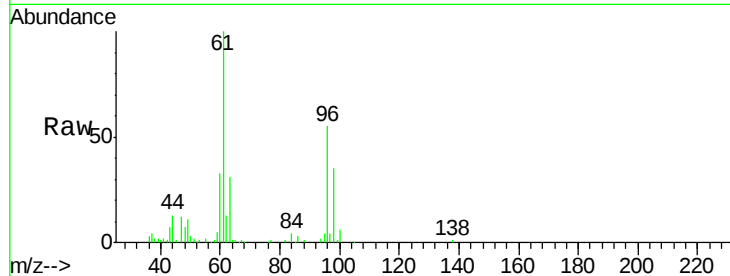
Delta R.T. -0.01 min

Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :
MSVOA_F
ClientSampleId :

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



#22

Diisopropyl ether

Concen: 16.941 ug/l

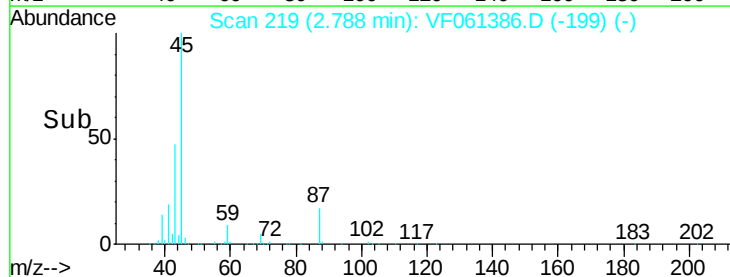
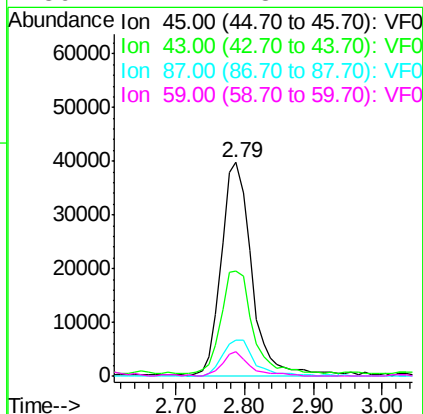
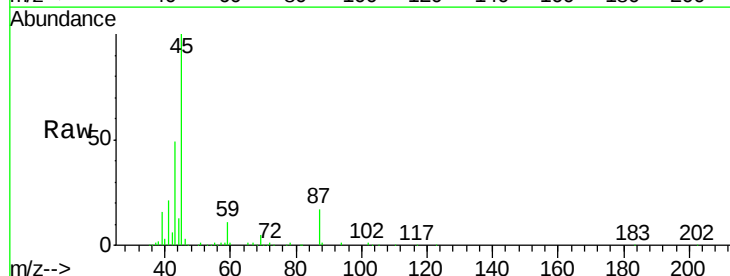
RT: 2.79 min Scan# 219

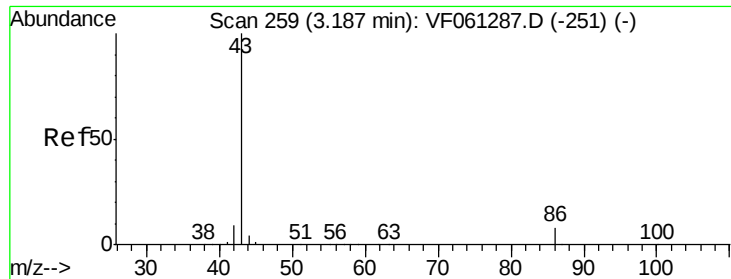
Delta R.T. -0.01 min

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





#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

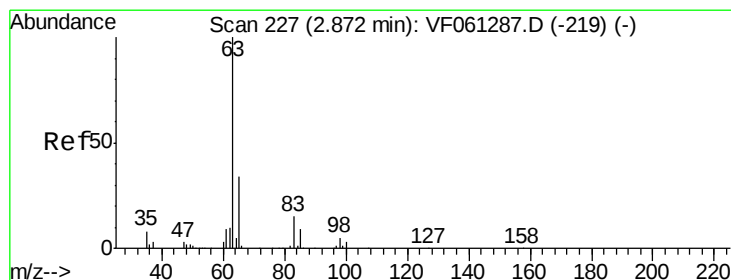
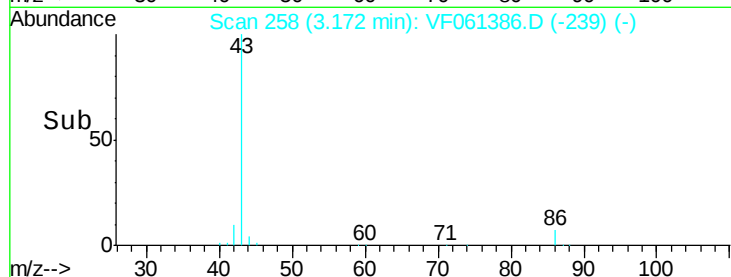
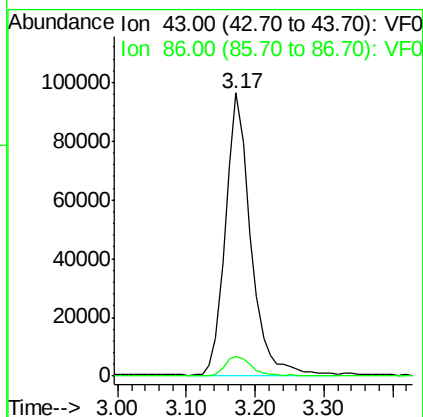
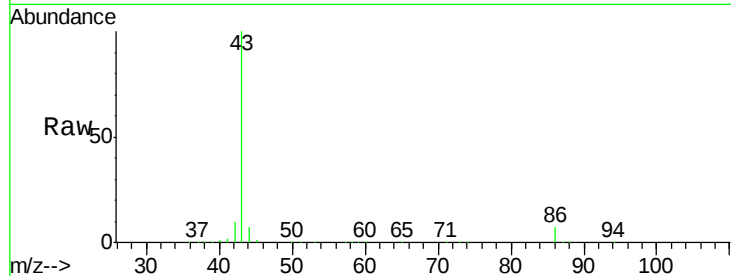
Instrument :
MSVOA_F
ClientSampleId :

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

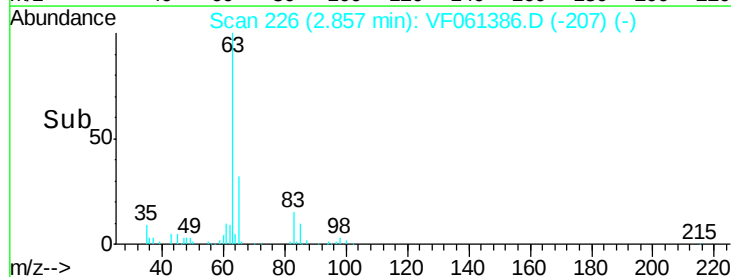
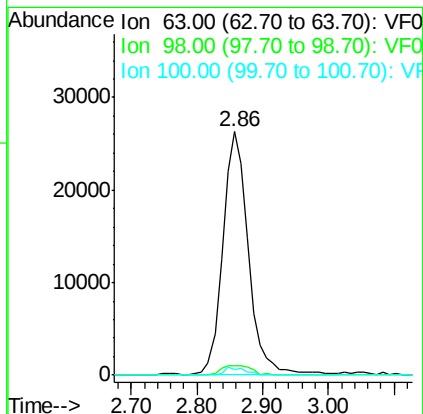
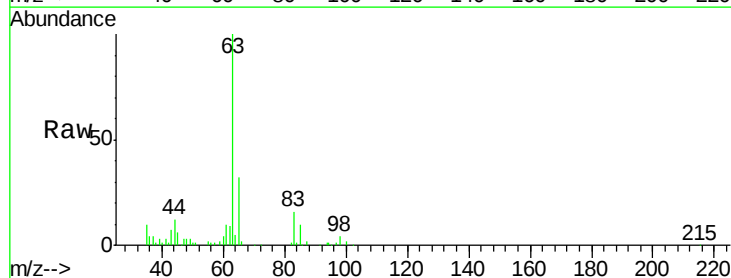
Tgt Ion: 63 Resp: 71923

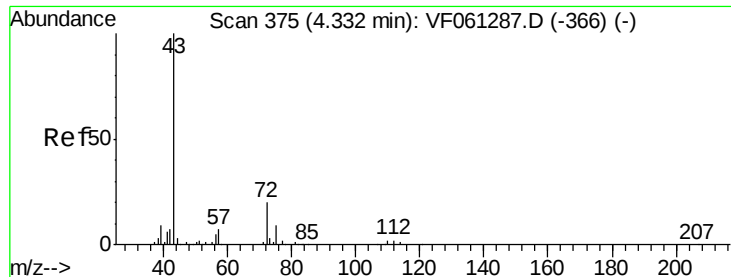
Ion Ratio Lower Upper

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

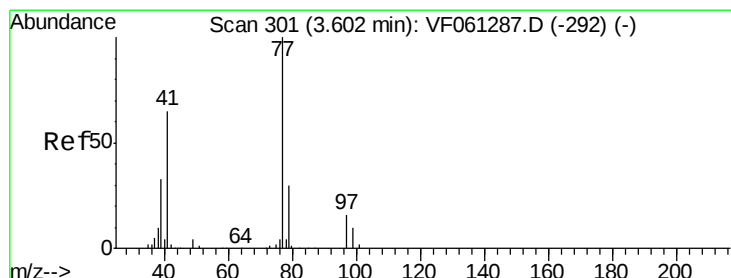
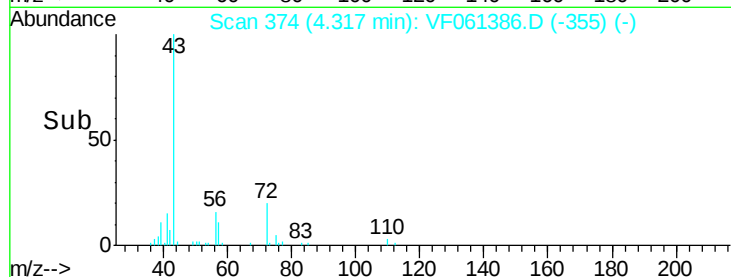
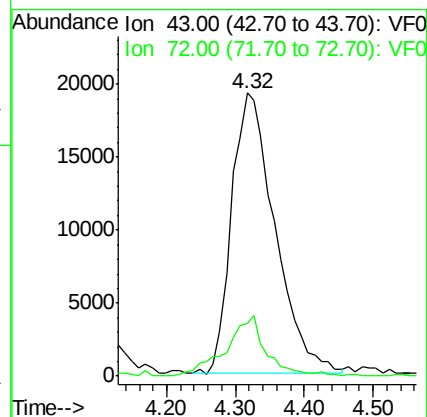
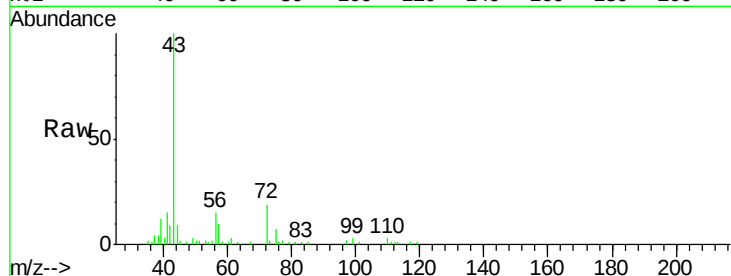
ClientSampleId :

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

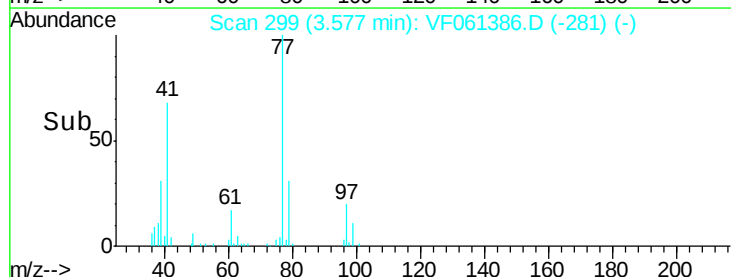
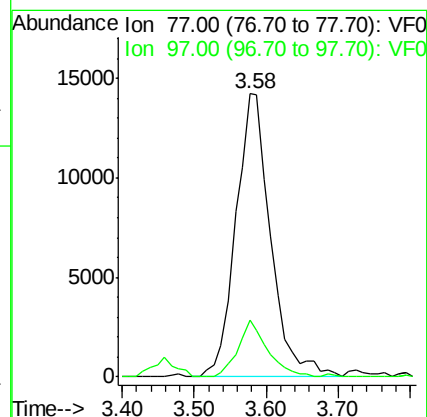
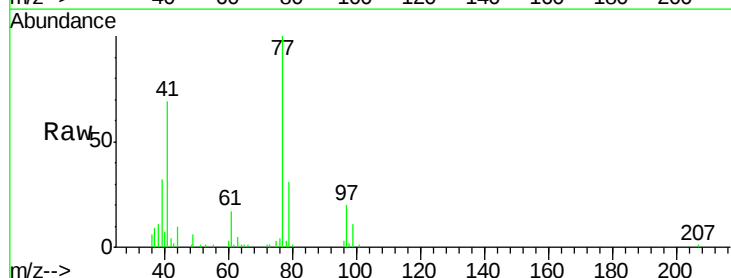
Acq: 14 Jan 2019 13:43

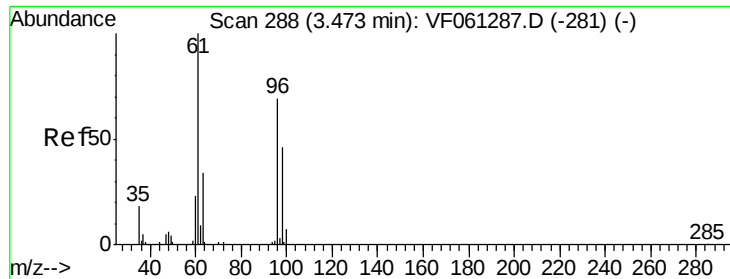
Tgt Ion: 77 Resp: 47779

Ion Ratio Lower Upper

77 100

97 20.3 8.6 25.9



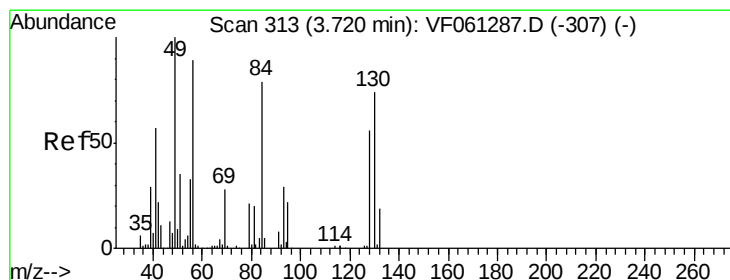
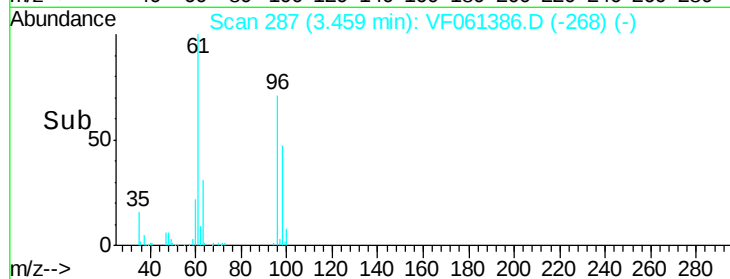
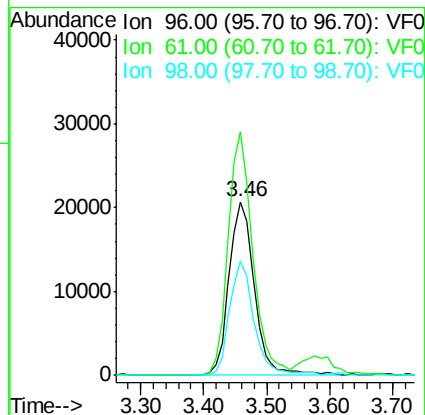
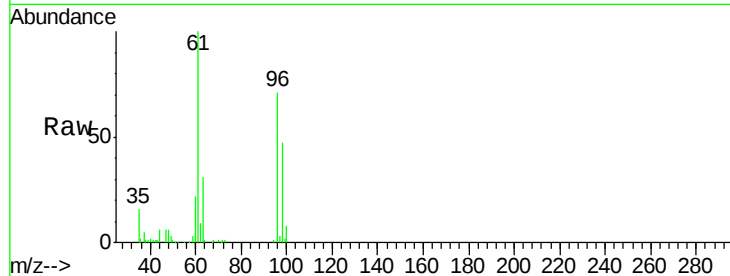


#27

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 :

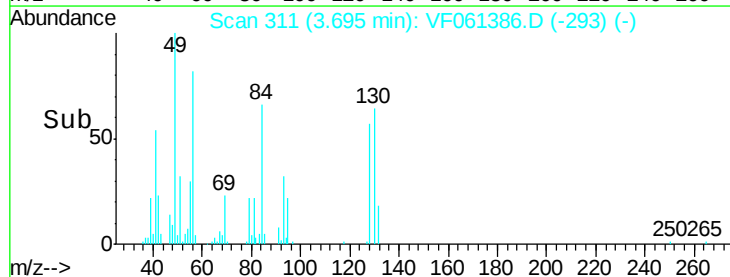
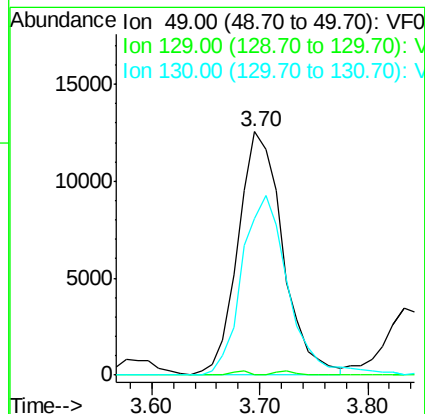
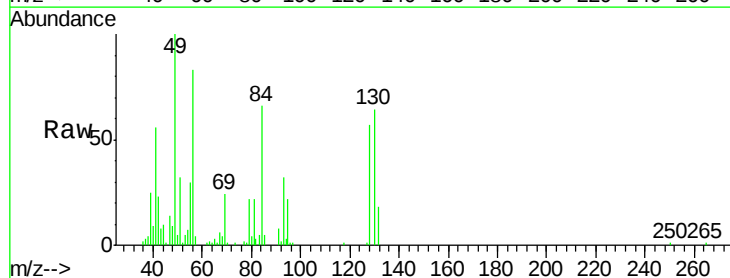
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	288.2
98	65.4	0.0	132.2

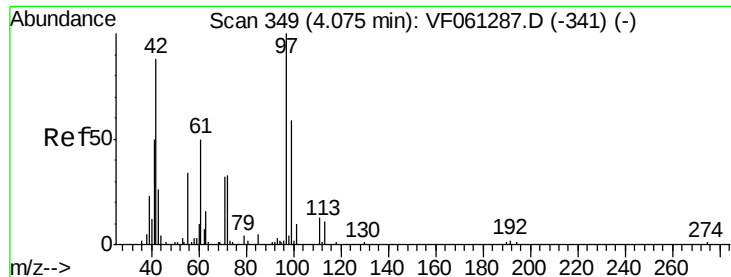


#28

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

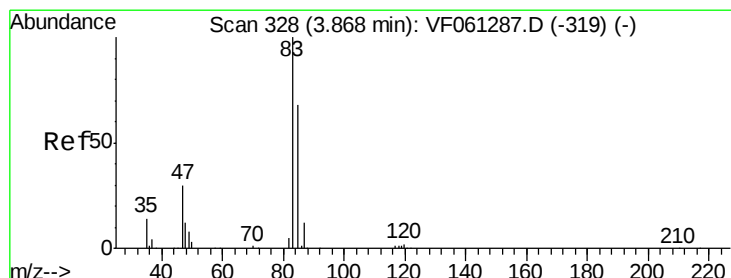
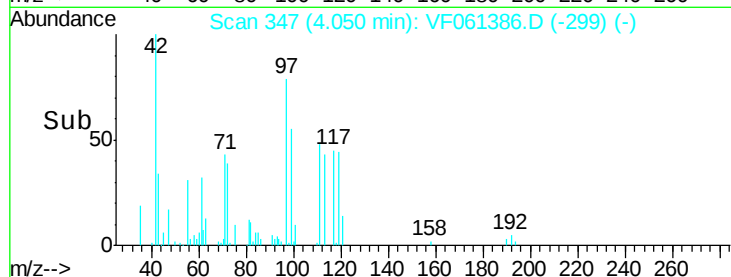
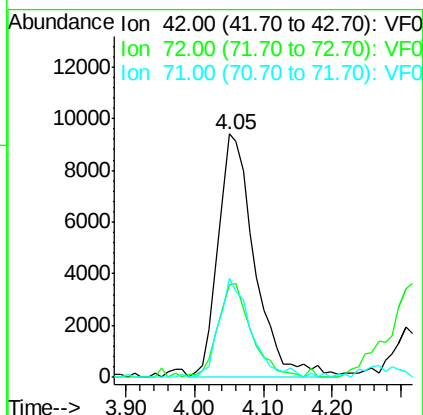
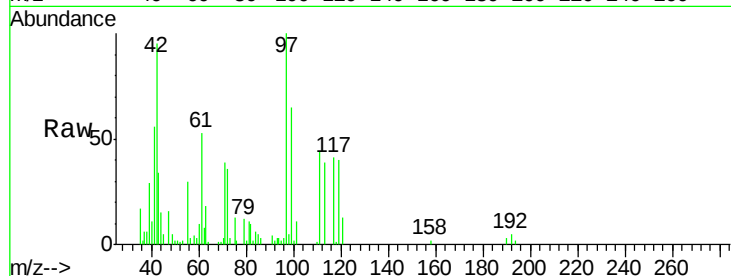




#29
Tetrahydrofuran
Concen: 102.724 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

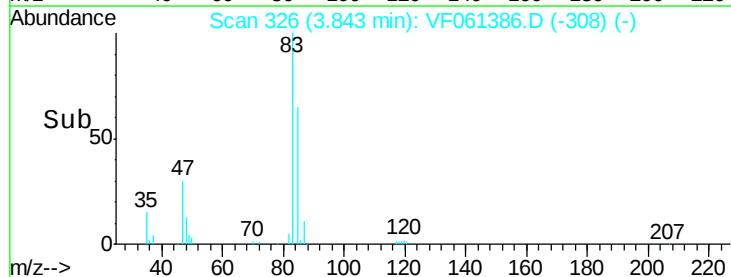
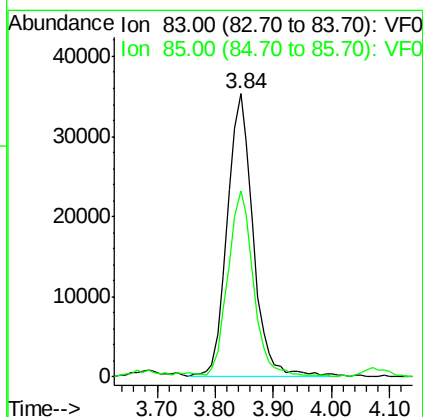
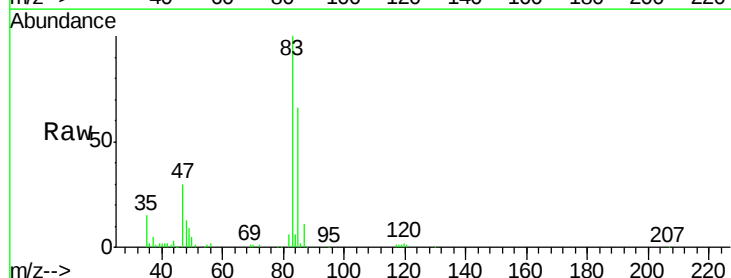
Instrument :
MSVOA_F
ClientSampled :

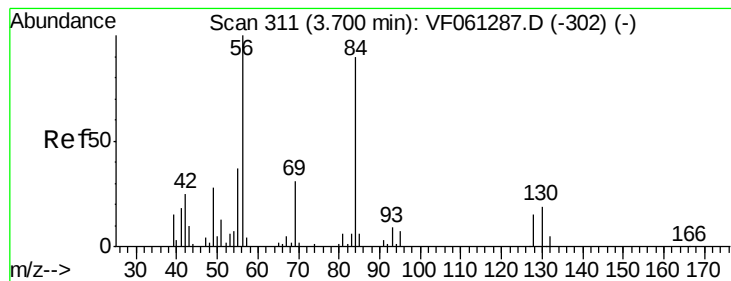
Tot Ion: 42 Resp: 34762
Ion Ratio Lower Upper
42 100
72 35.3 32.3 48.5
71 35.3 29.5 44.3



#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: 11.270 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.03 min

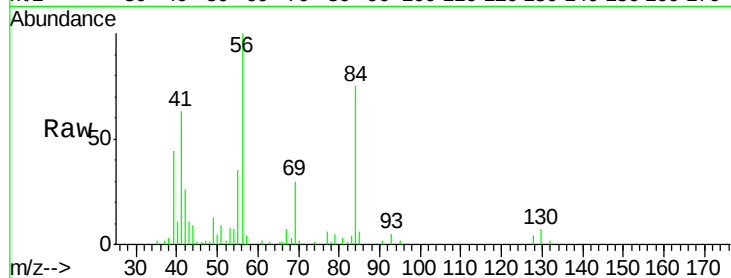
Lab File: VF061386.D

Acq: 14 Jan 2019 13:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 49360

Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.7	37.1
84	74.8	72.2	108.4

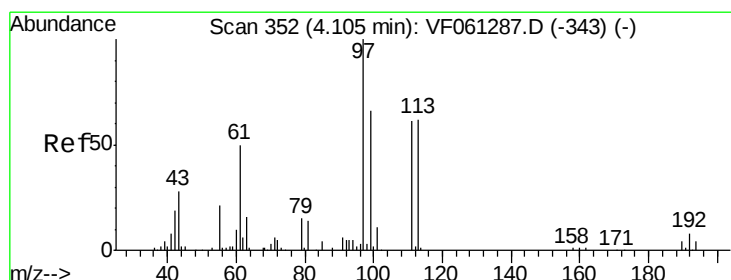
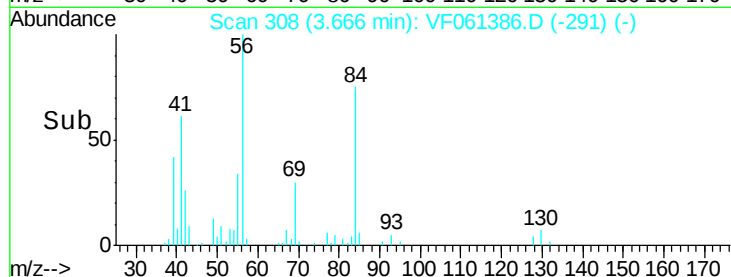
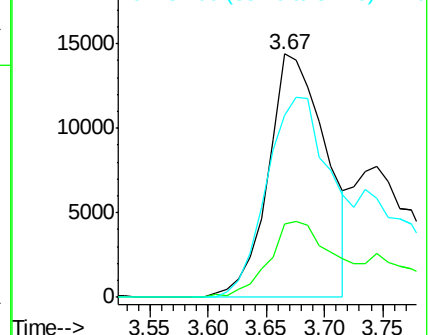


Abundance

Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 16.994 ug/l

RT: 4.07 min Scan# 349

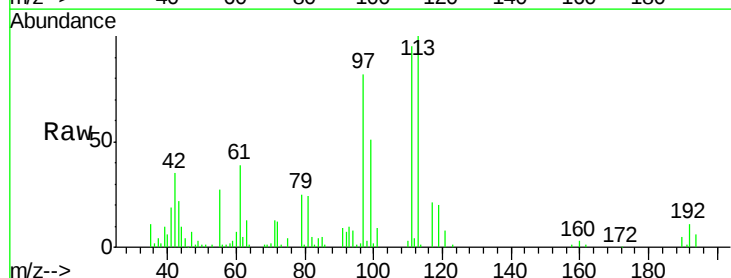
Delta R.T. -0.03 min

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

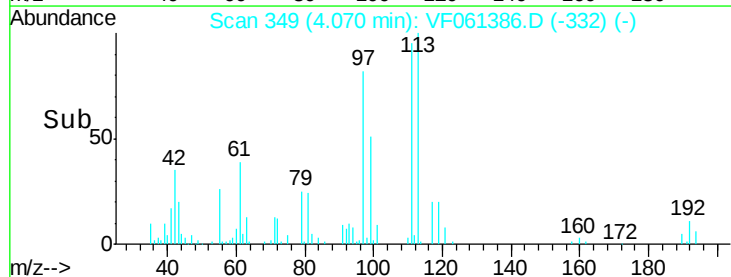
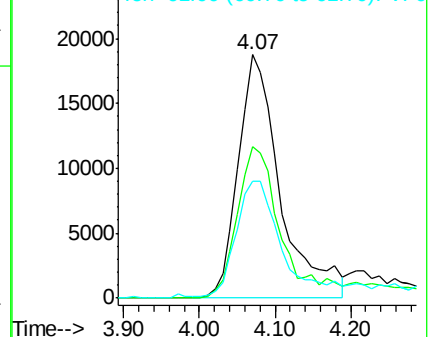


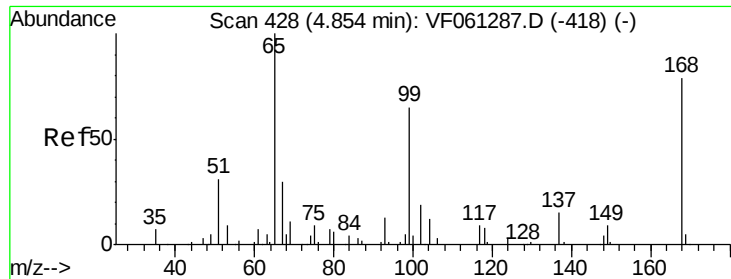
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 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

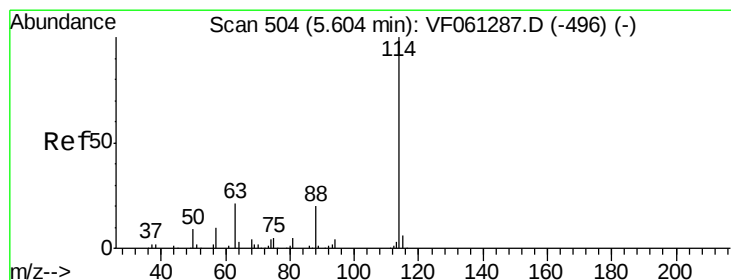
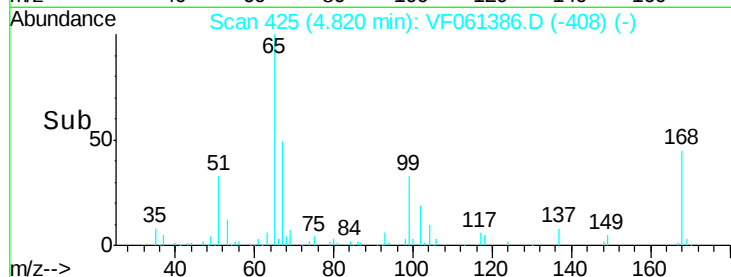
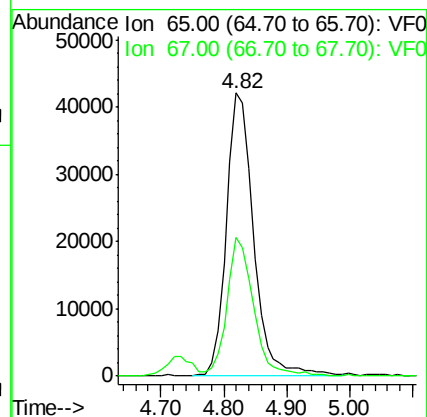
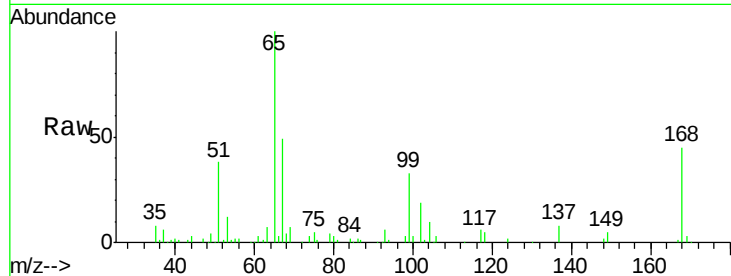
ClientSampled :

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

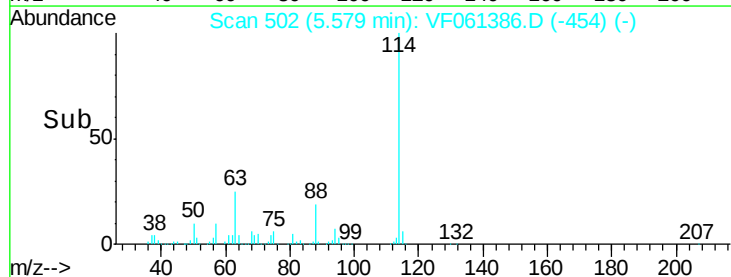
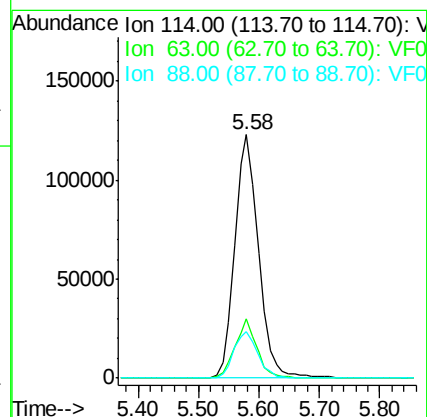
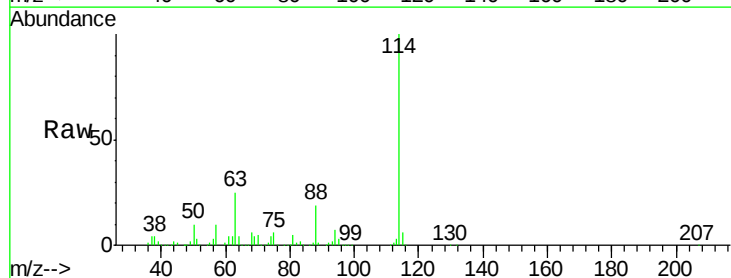
Tgt Ion: 114 Resp: 334443

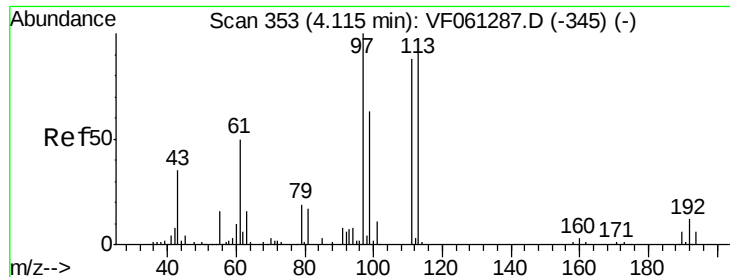
Ion Ratio Lower Upper

114 100

63 24.6 0.0 42.8

88 18.8 0.0 40.0

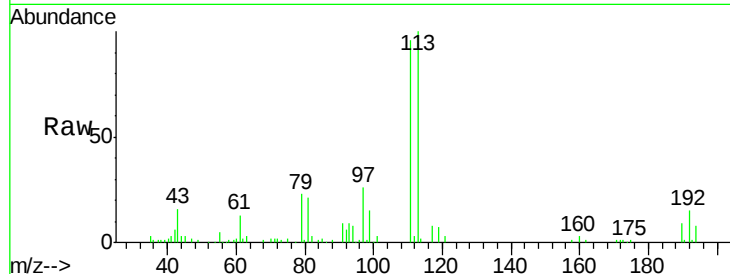




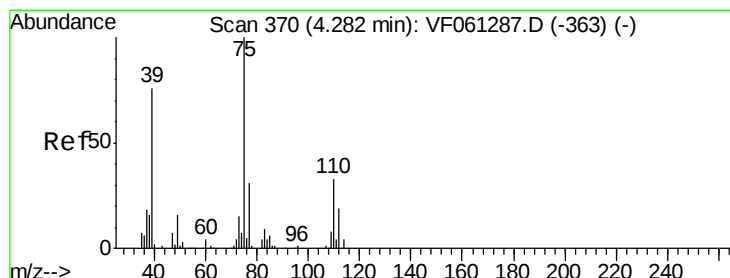
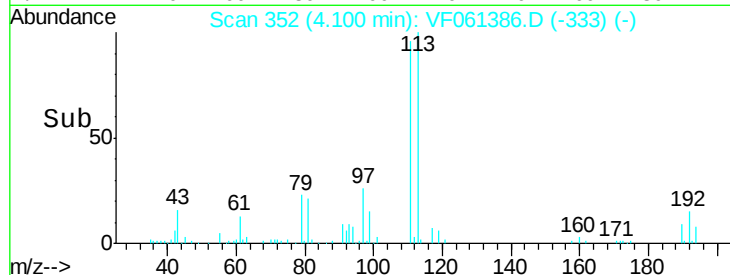
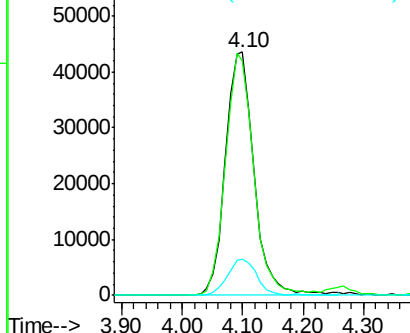
#35
 Dibromofluoromethane
 Concen: 56.057 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

Instrument :
 MSVOA_F
 ClientSampled :

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

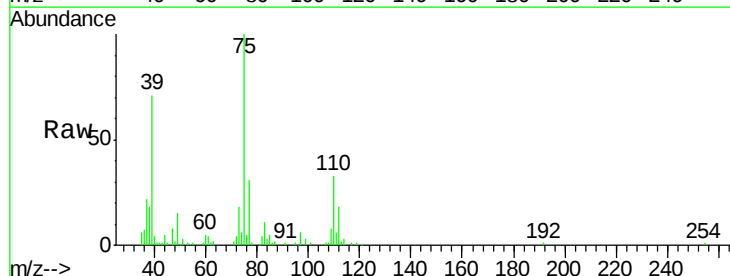


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

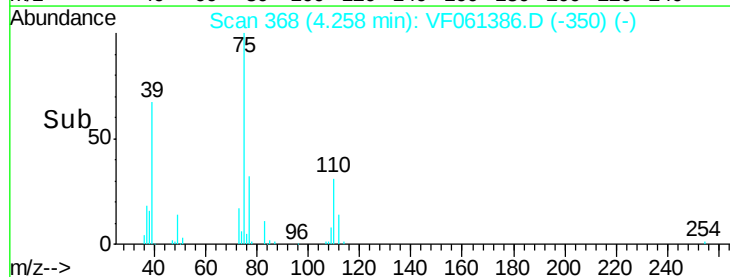
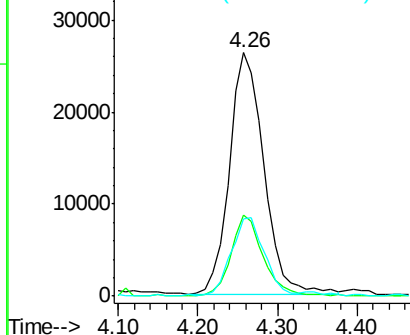


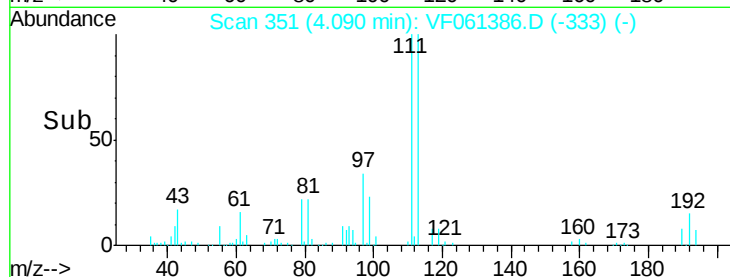
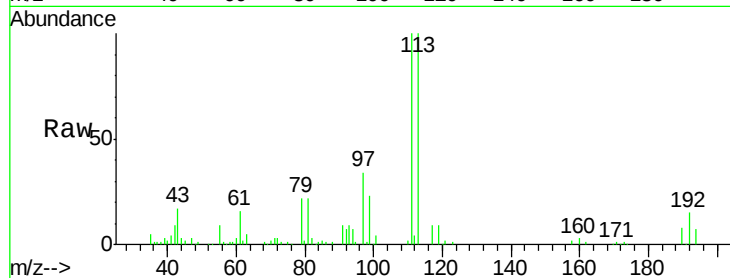
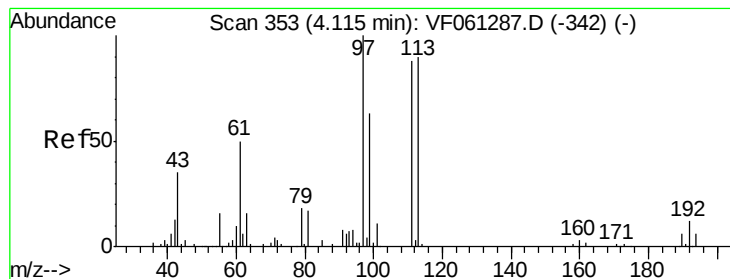
#36
 1,1-Dichloropropene
 Concen: 20.235 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.02 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

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

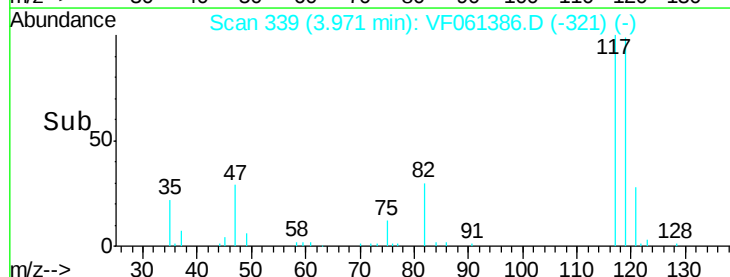
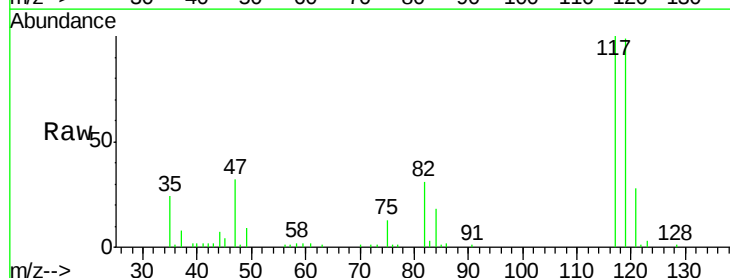
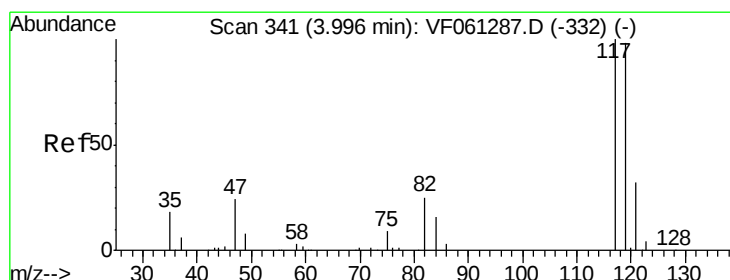
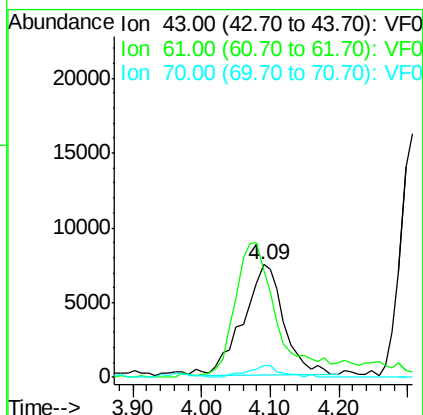
Tot Ion: 43 Resp: 30185

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

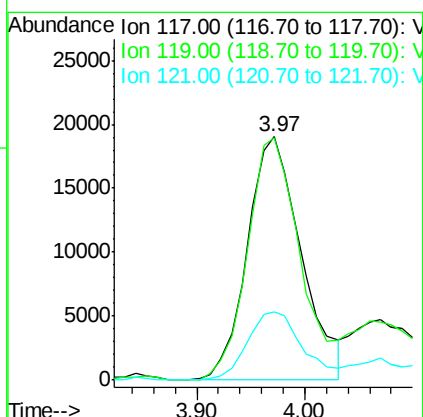
Tgt Ion: 117 Resp: 66075

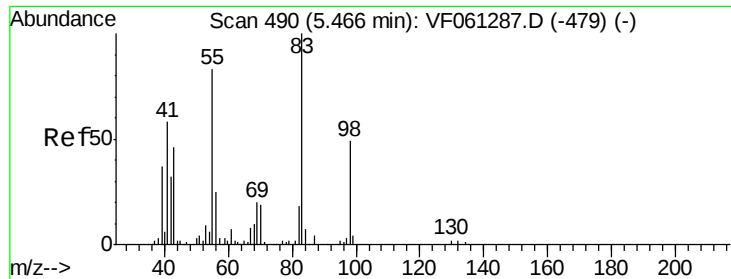
Ion Ratio Lower Upper

117 100

119 99.5 78.5 117.7

121 28.9 25.3 37.9

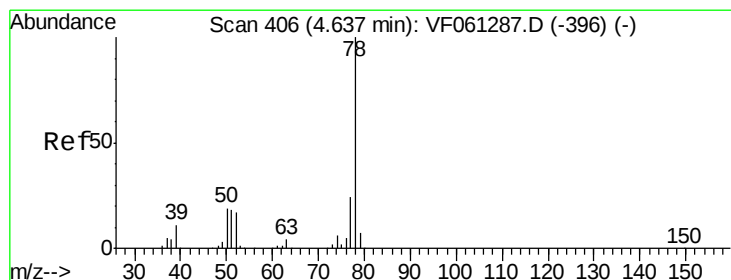
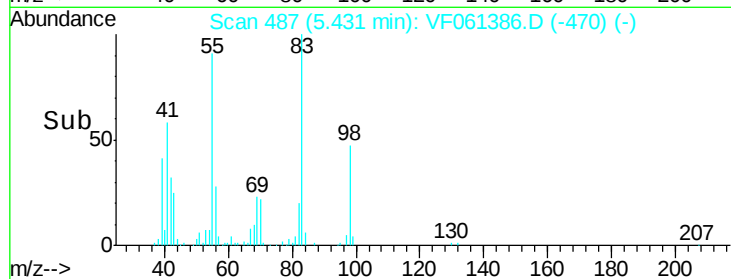
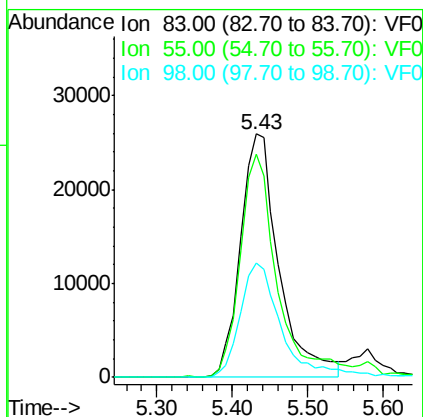
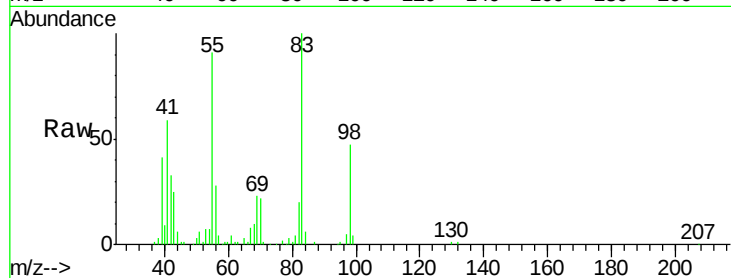




#39
Methvlcvclohexane
Concen: 18.787 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.03 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

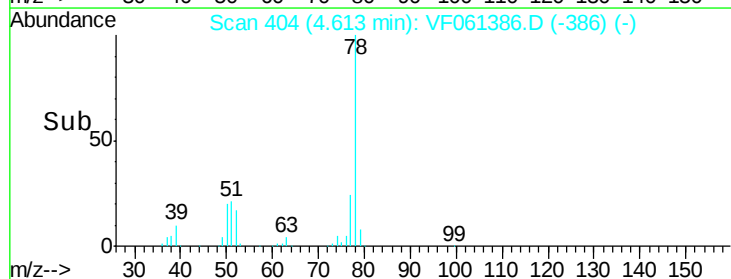
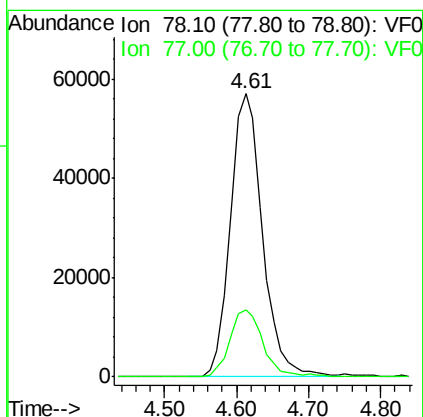
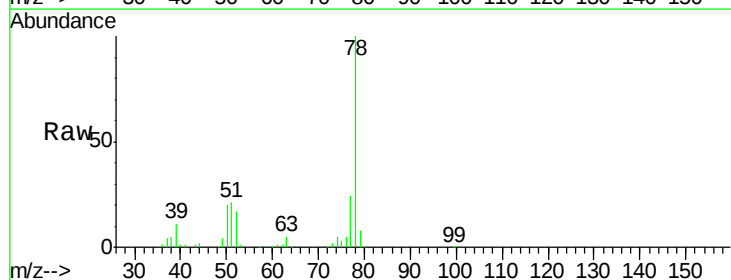
Instrument :
MSVOA_F
ClientSampleId :

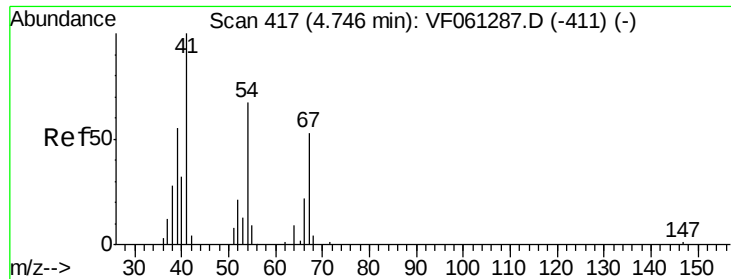
Tot Ion: 83 Resp: 91805
Ion Ratio Lower Upper
83 100
55 91.4 66.4 99.6
98 47.0 39.1 58.7



#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

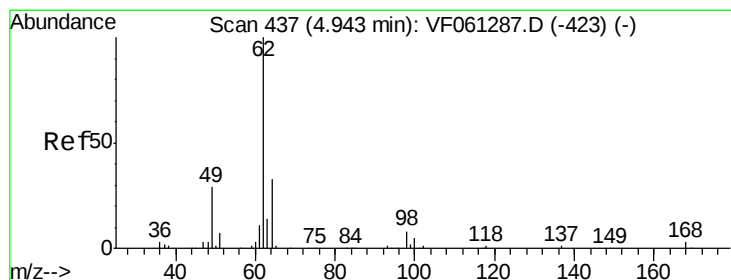
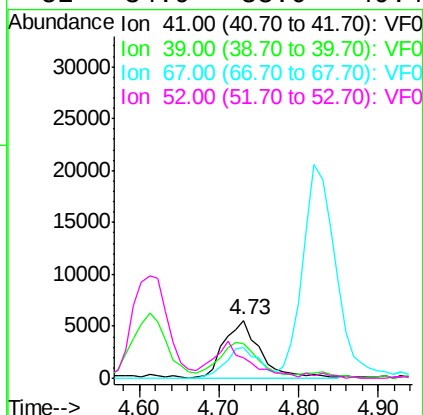
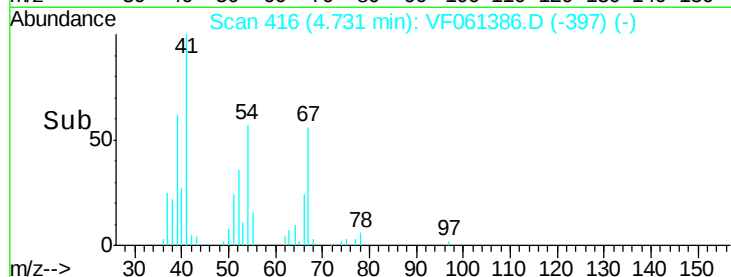
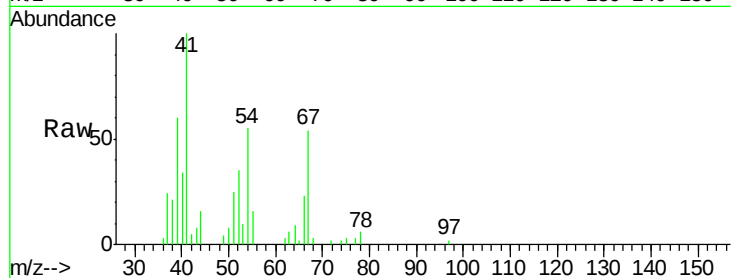




#41
Methacrylonitrile
Concen: 22.689 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.01 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

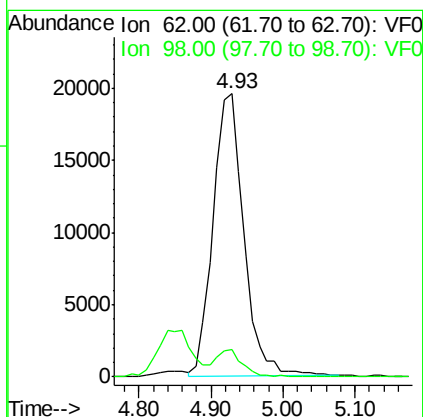
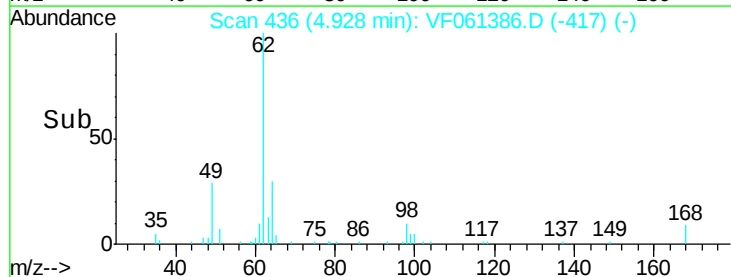
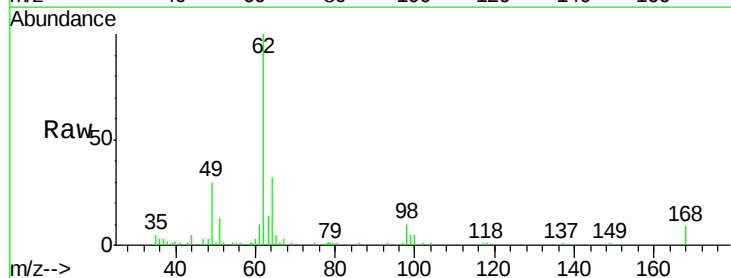
Instrument :
MSVOA_F
ClientSampled :

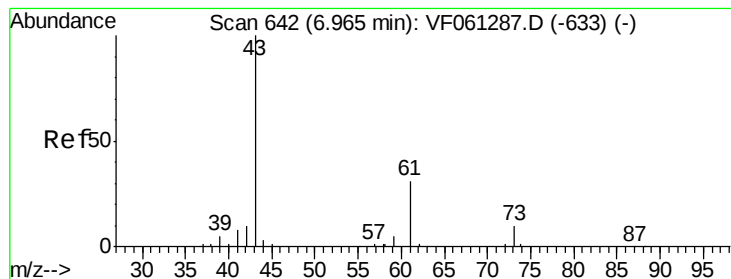
Tot Ion:	41	Resp:	18020
Ion	Ratio	Lower	Upper
41	100		
39	60.1	52.7	79.1
67	54.2	41.4	62.2
52	34.9	33.0	49.4



#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



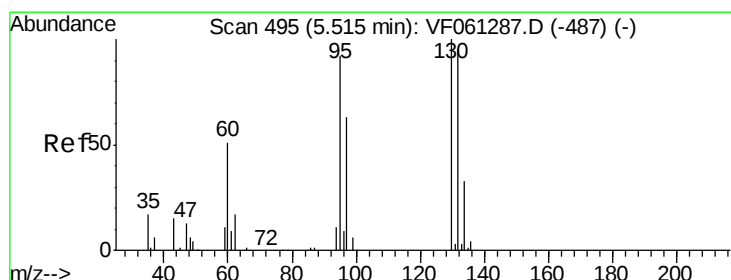
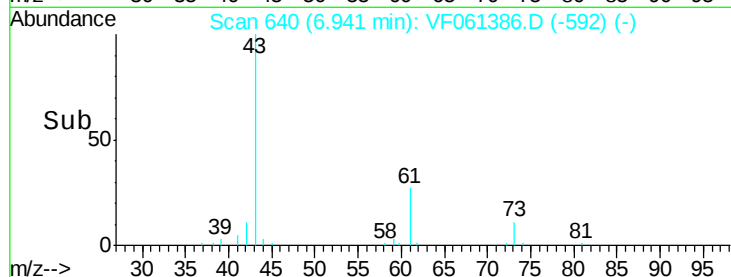
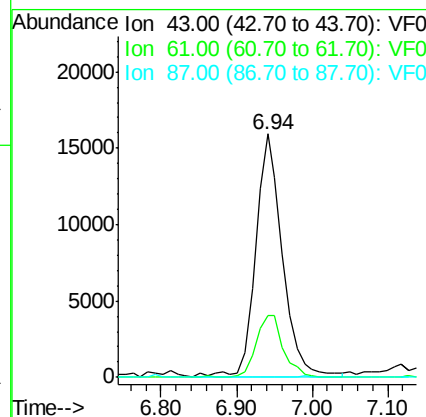
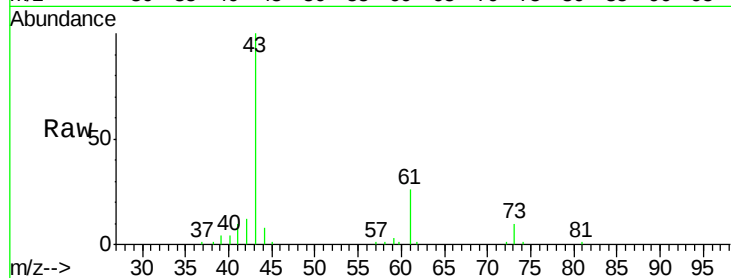


#43

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 :

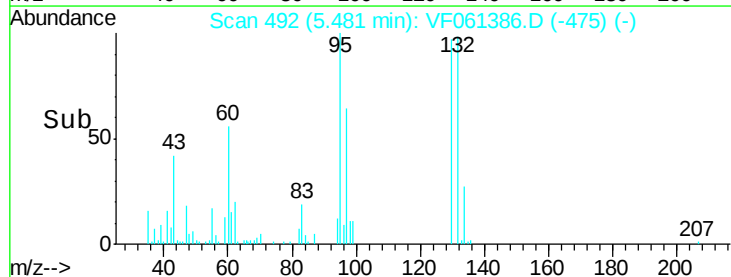
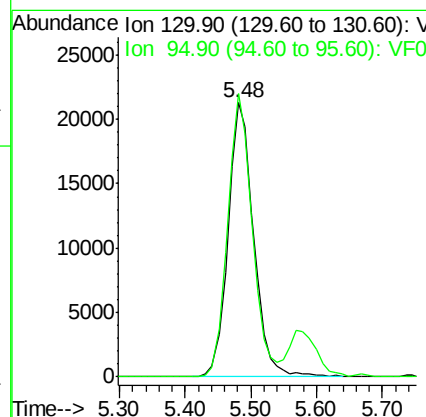
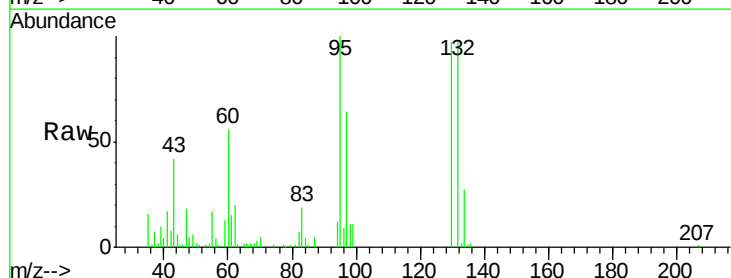
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	24.3	36.5
87	0.0	0.2	0.4

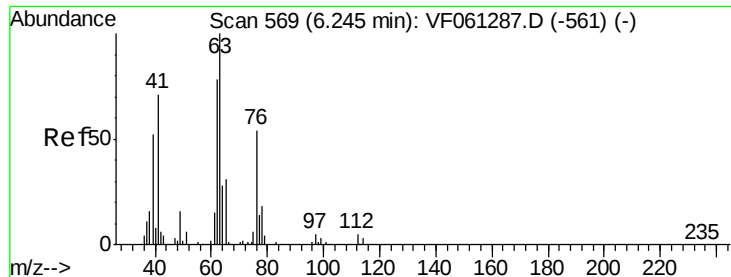


#44

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	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

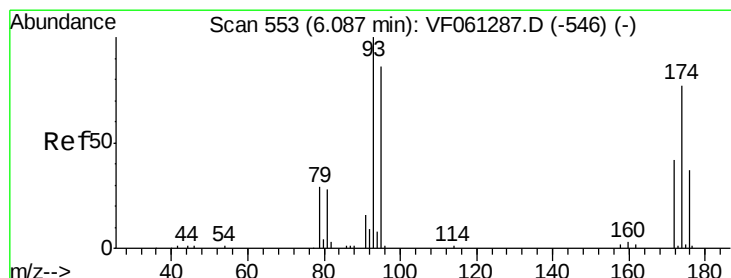
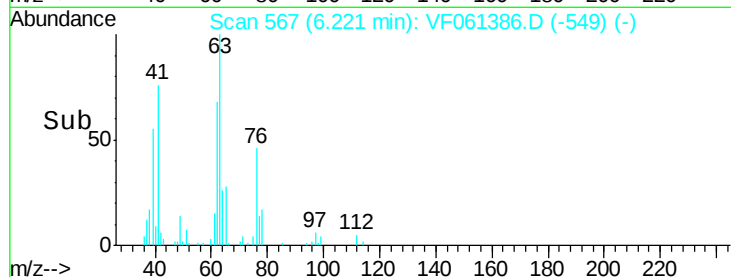
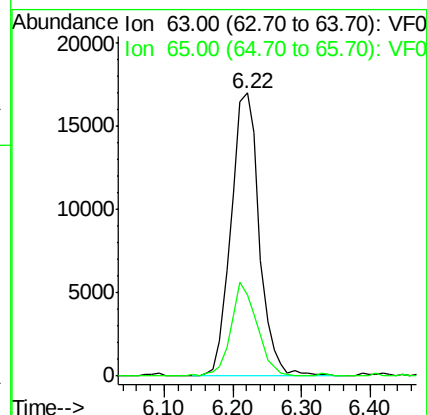
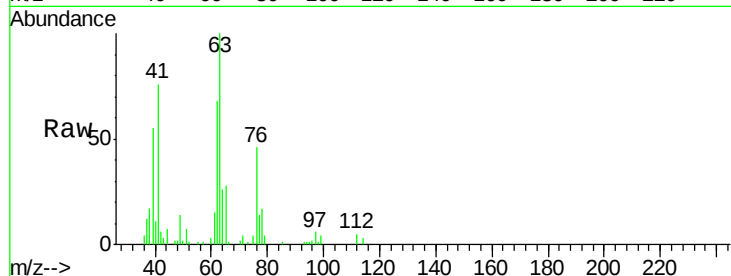
Instrument :
MSVOA_F
ClientSampleId :

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

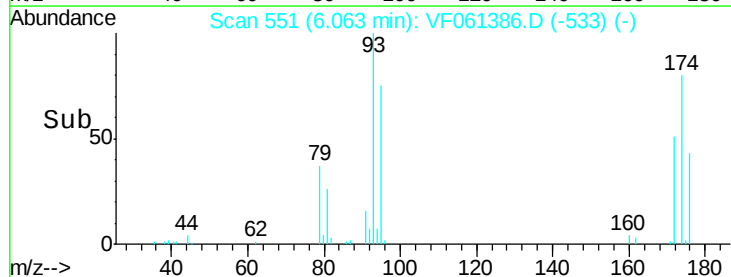
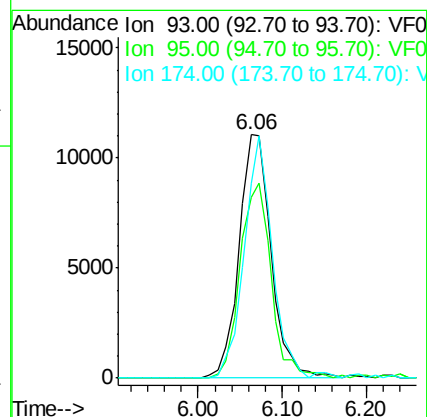
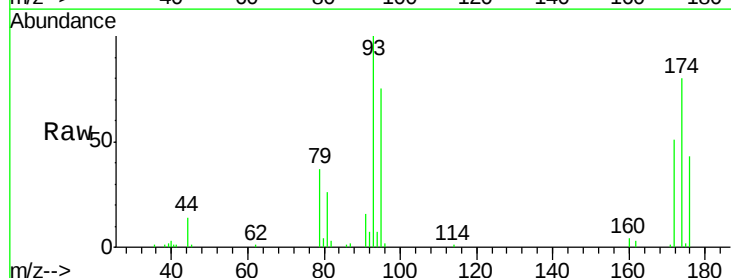
Tgt Ion: 93 Resp: 29477

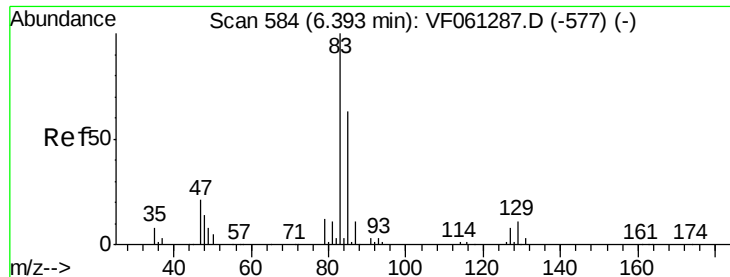
Ion Ratio Lower Upper

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 :

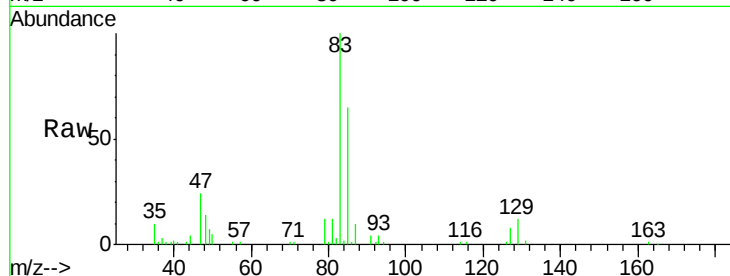
Tot Ion: 83 Resp: 76059

Ion Ratio Lower Upper

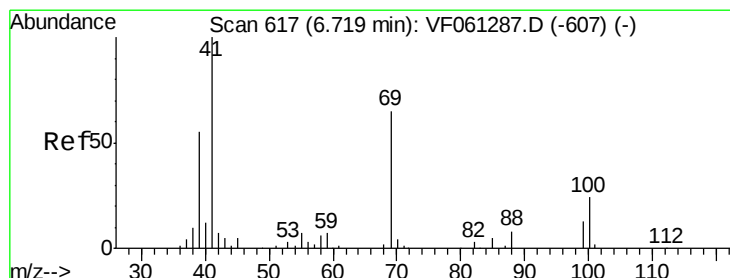
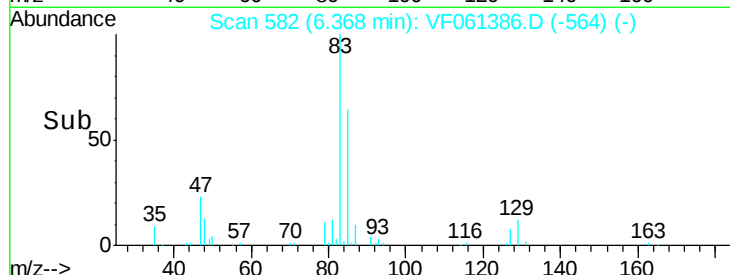
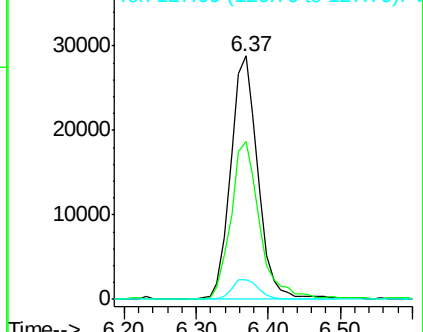
83 100

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

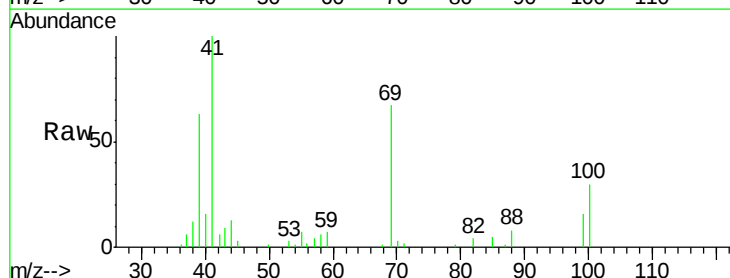
Tgt Ion: 41 Resp: 22988

Ion Ratio Lower Upper

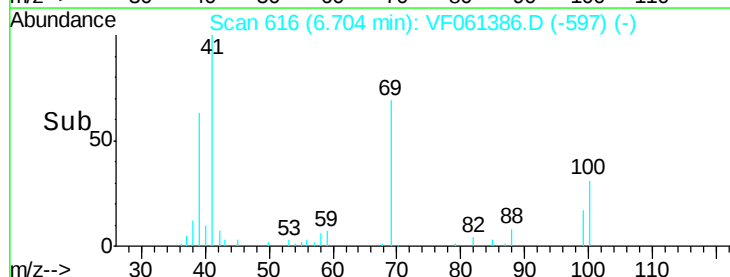
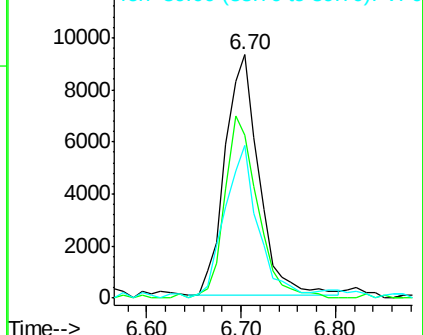
41 100

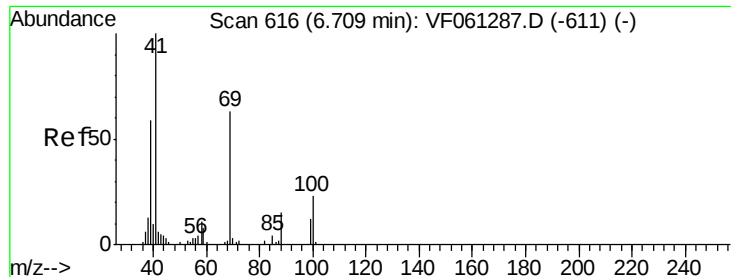
69 66.9 51.5 77.3

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

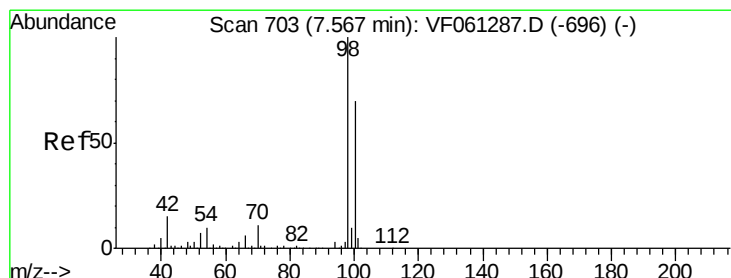
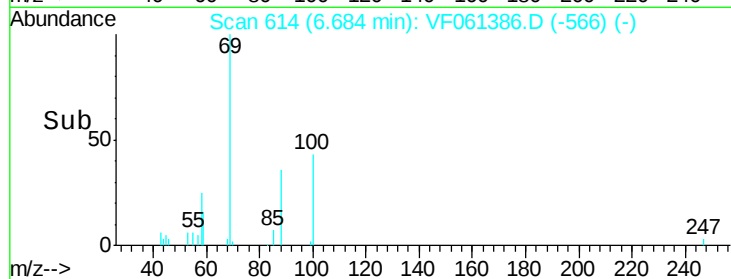
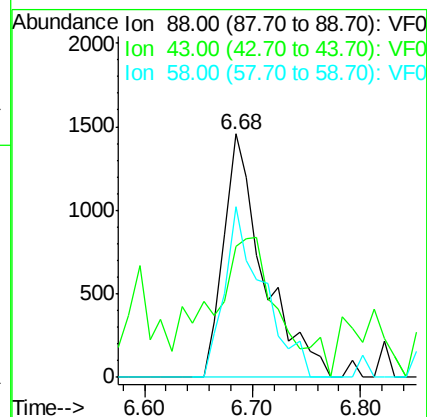
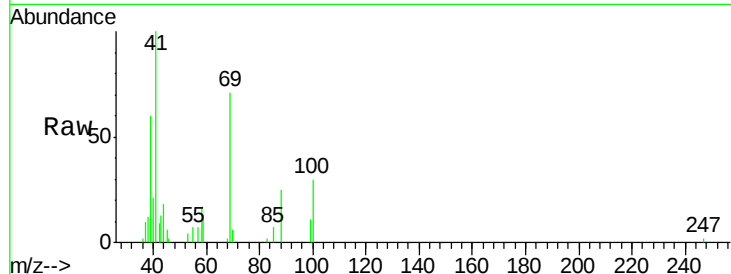




#49
1,4-Dioxane
Concen: 487.491 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

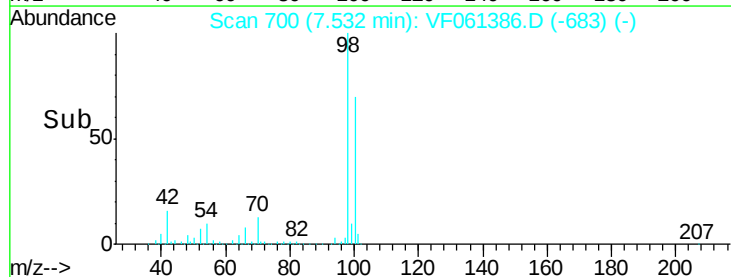
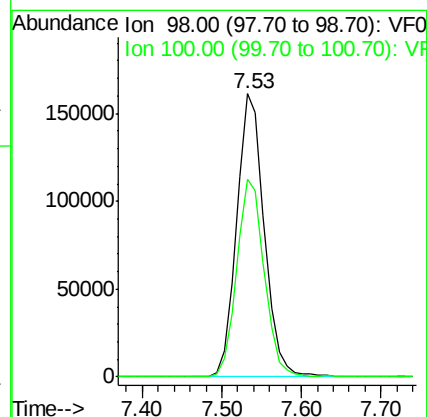
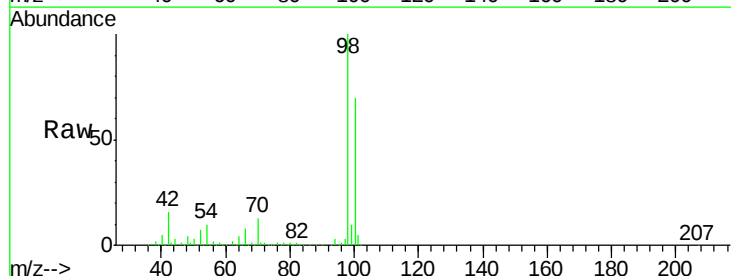
Instrument :
MSVOA_F
ClientSampleId :

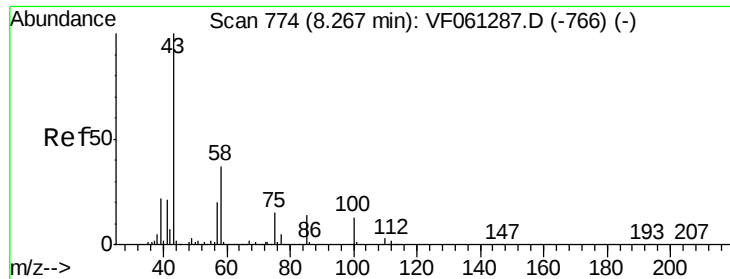
Tot Ion: 88 Resp: 3749
Ion Ratio Lower Upper
88 100
43 53.6 38.5 57.7
58 69.9 57.0 85.4



#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

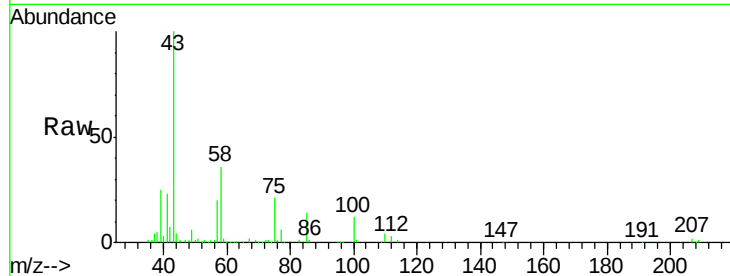
ClientSampleId :

Tot Ion: 43 Resp: 154120

Ion Ratio Lower Upper

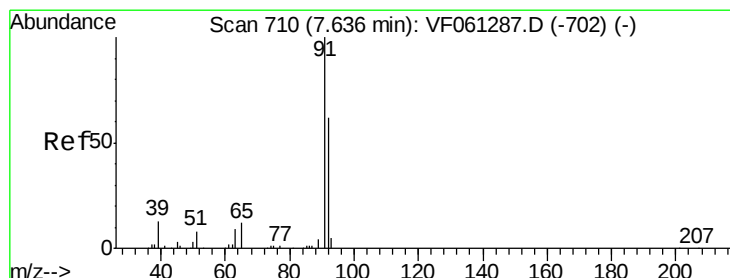
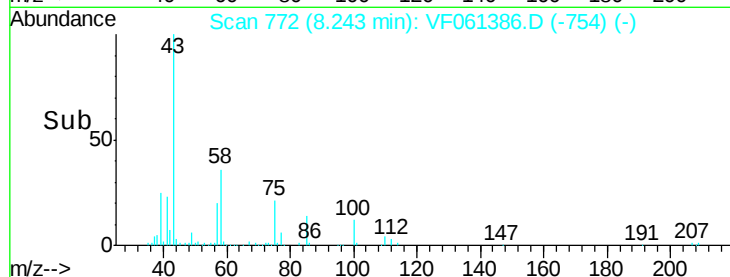
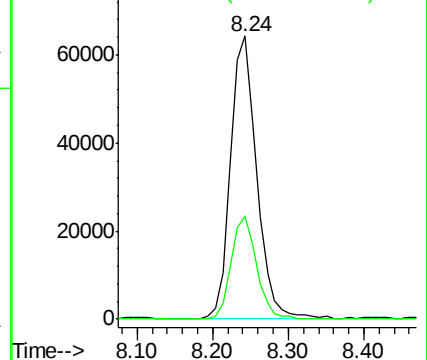
43 100

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

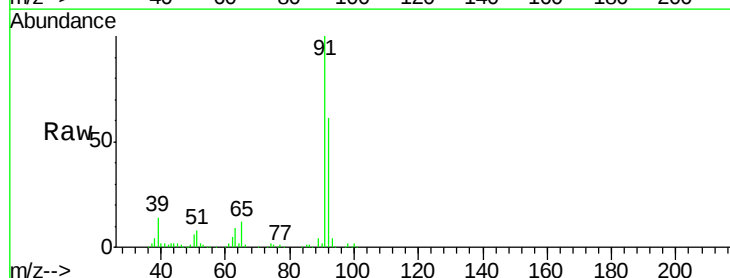
Acq: 14 Jan 2019 13:43

Tgt Ion: 92 Resp: 112735

Ion Ratio Lower Upper

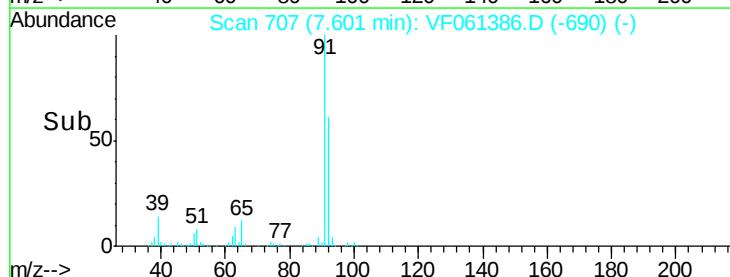
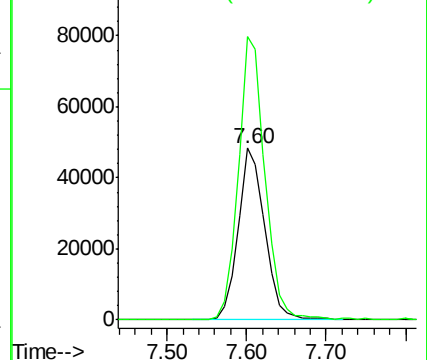
92 100

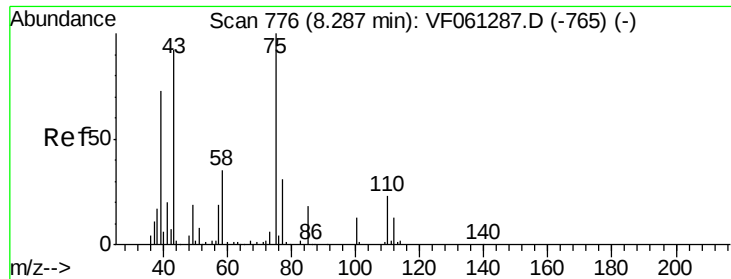
91 164.9 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

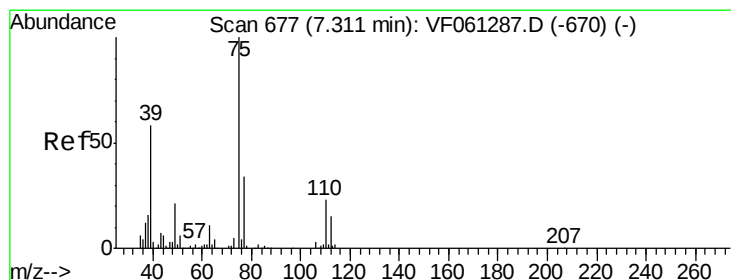
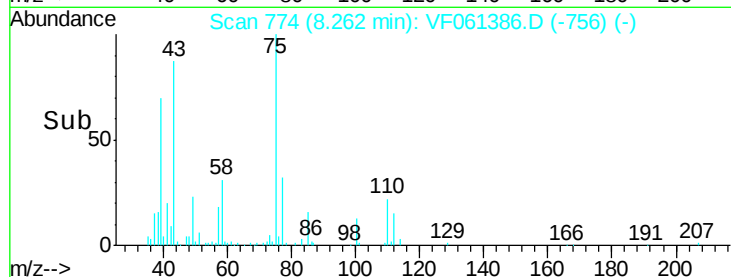
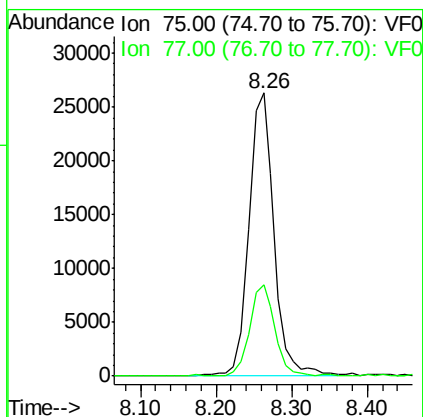
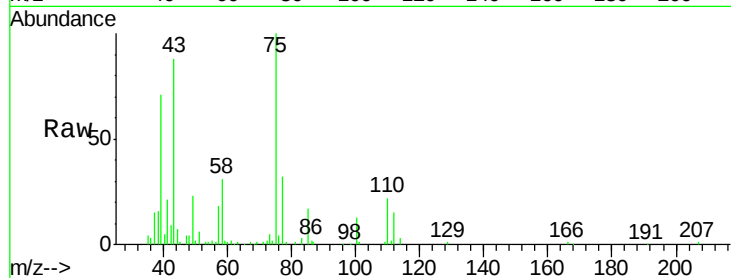




#53
 t-1,3-Dichloropropene
 Concen: 21.944 ug/l
 RT: 8.26 min Scan# 774
 Delta R.T. -0.02 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

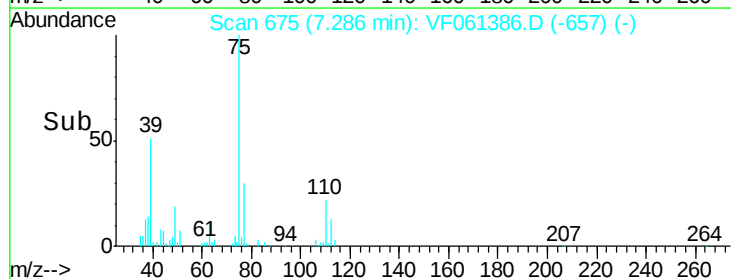
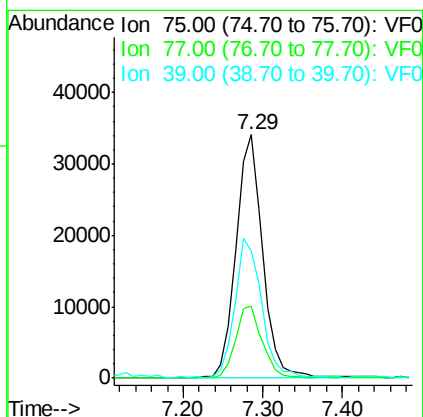
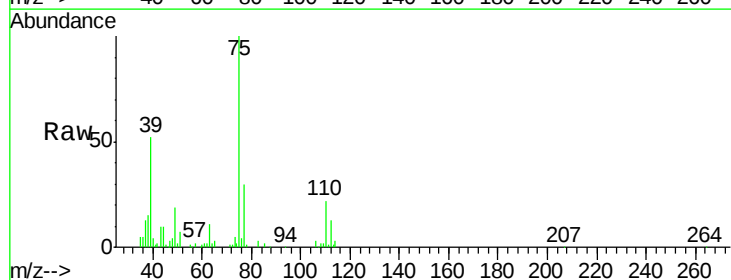
Instrument :
 MSVOA_F
 ClientSampled :

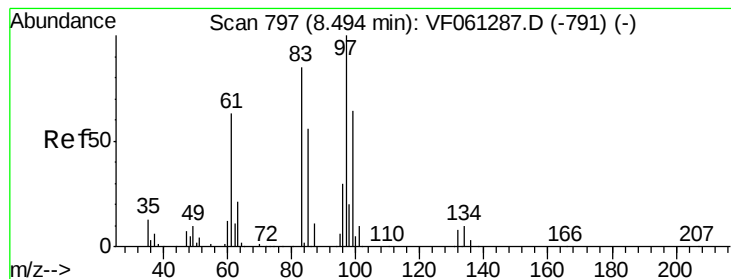
Tot Ion: 75 Resp: 61017
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.7 37.1



#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 :

Tot Ion: 97 Resp: 32757

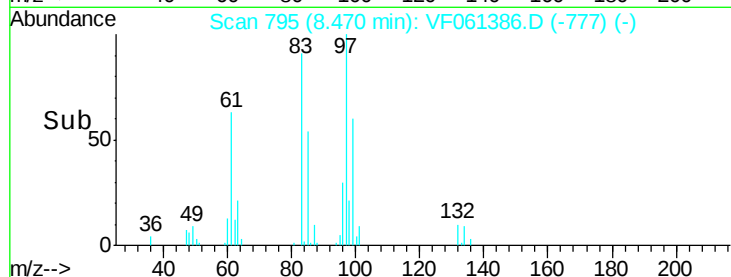
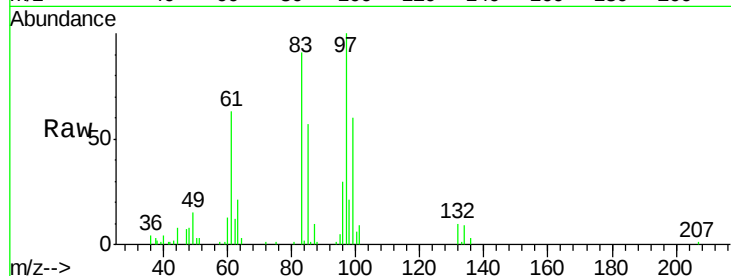
Ion	Ratio	Lower	Upper
97	100		
83	91.1	67.8	101.6
85	57.3	45.1	67.7
99	60.1	51.0	76.6

97 100

83 91.1 67.8 101.6

85 57.3 45.1 67.7

99 60.1 51.0 76.6

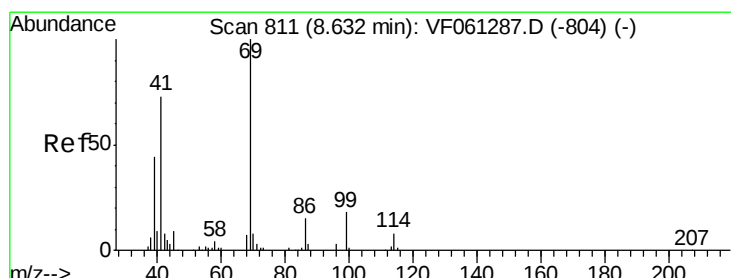
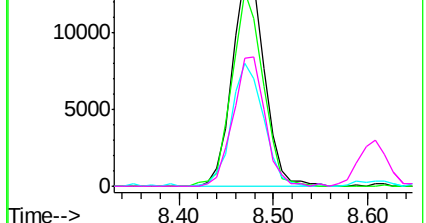


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



#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

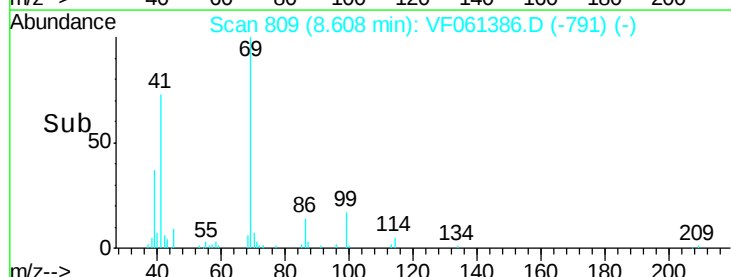
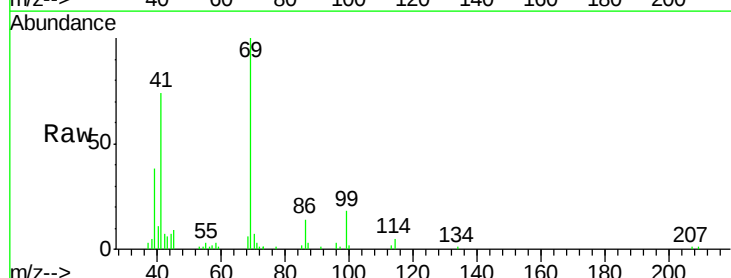
Tgt Ion: 69 Resp: 36661

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

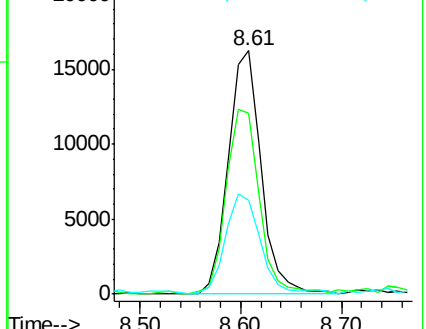
39 38.4 35.3 52.9

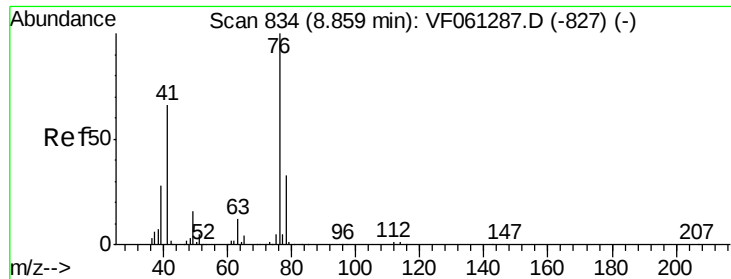


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#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

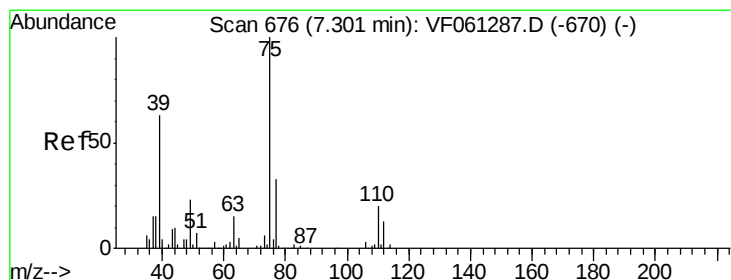
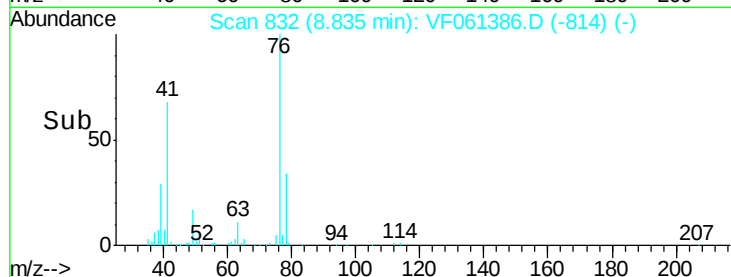
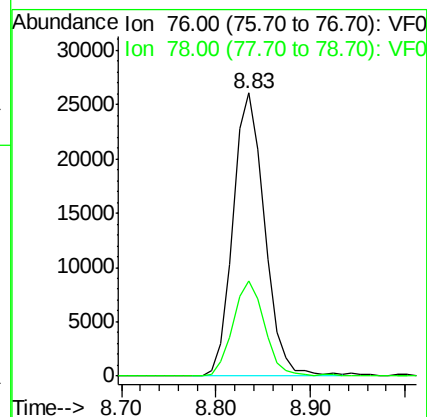
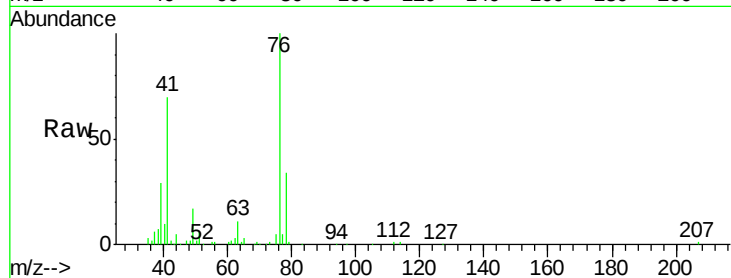
Instrument :
MSVOA_F
ClientSampled :

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

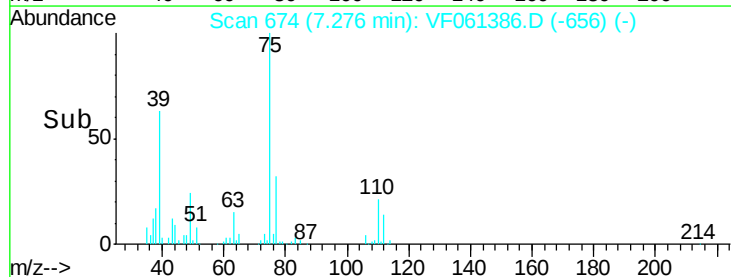
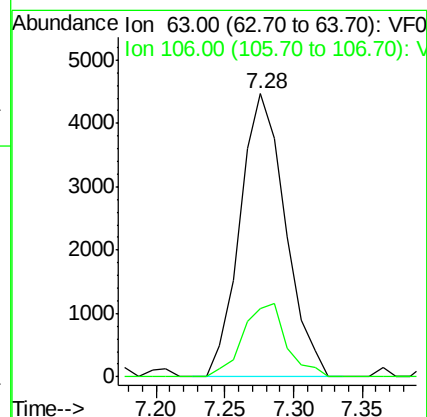
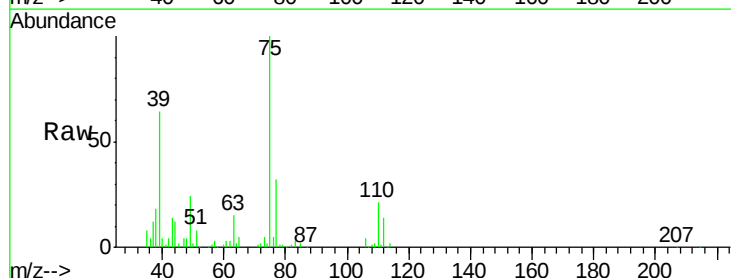
Acq: 14 Jan 2019 13:43

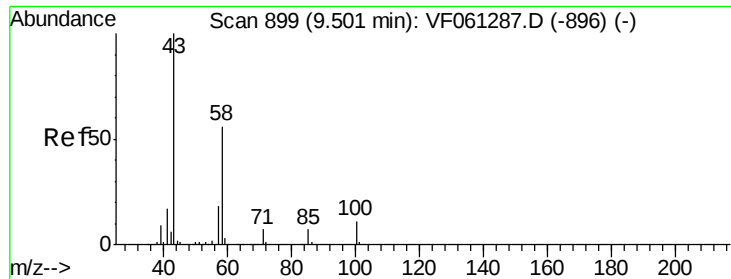
Tgt Ion: 63 Resp: 10270

Ion Ratio Lower Upper

63 100

106 24.1 16.5 24.7

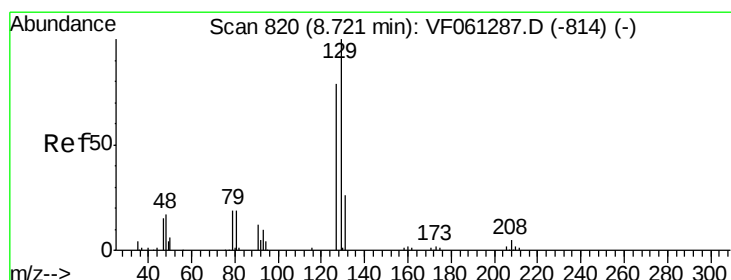
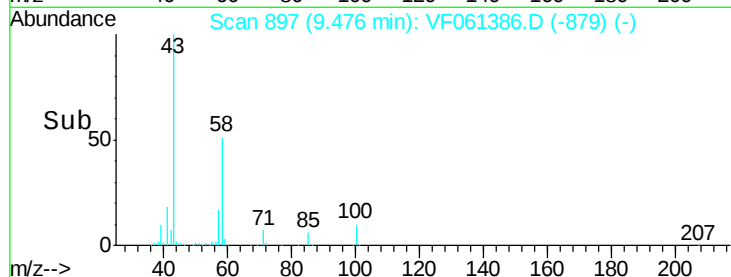
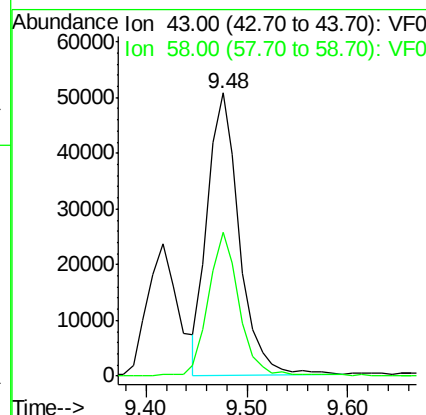
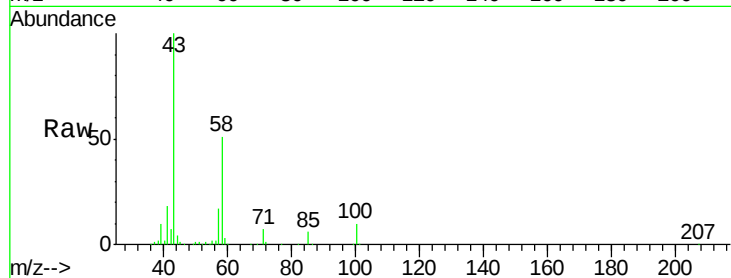




#59
2-Hexanone
Concen: 110.219 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

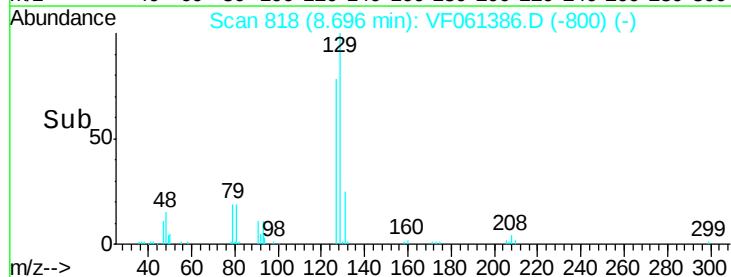
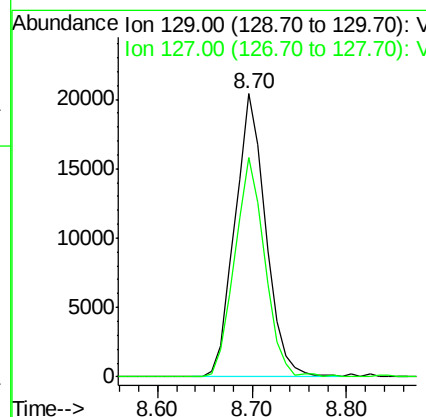
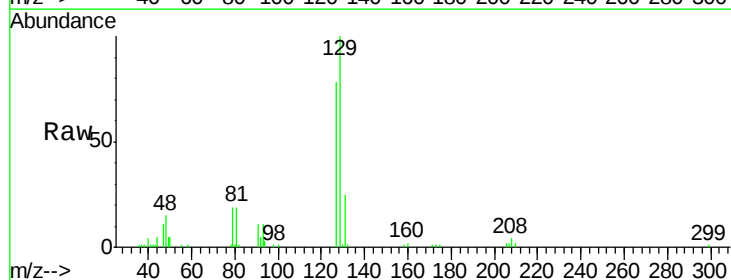
Instrument :
MSVOA_F
ClientSampled :

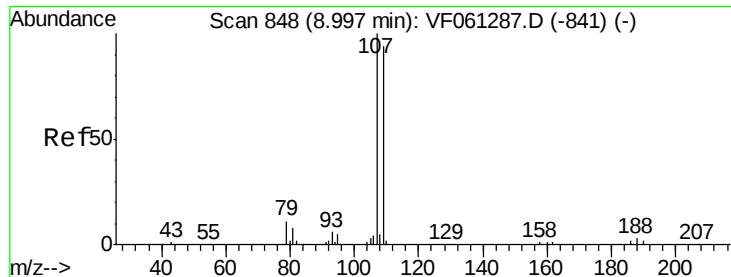
Tot Ion: 43 Resp: 110667
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.8



#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

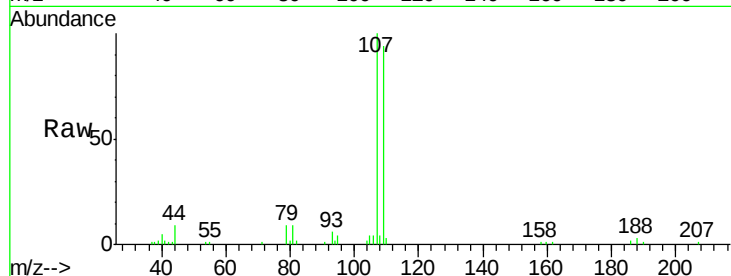
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 35097

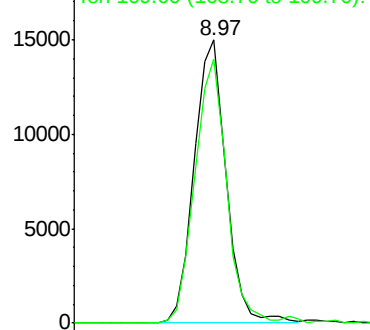
Ion Ratio Lower Upper

107 100

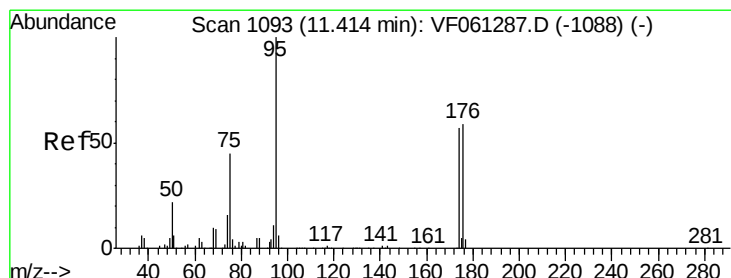
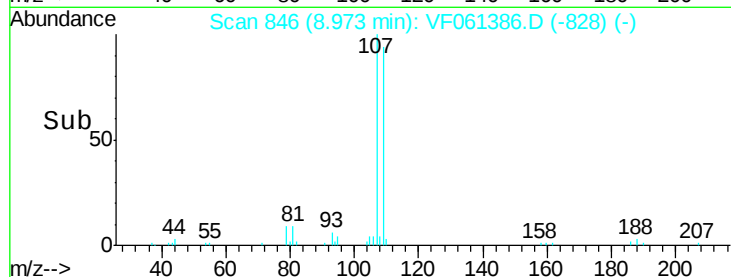
109 93.5 75.1 112.7



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

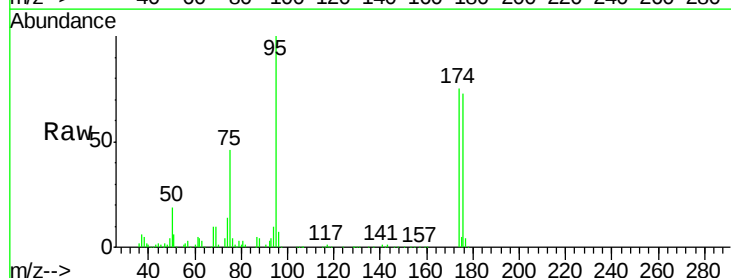
Tgt Ion: 95 Resp: 171577

Ion Ratio Lower Upper

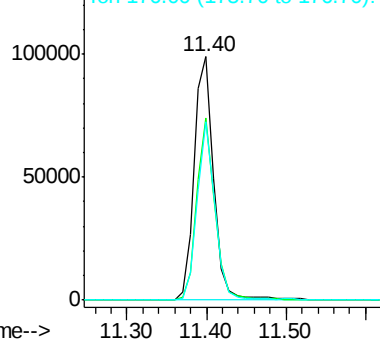
95 100

174 75.0 0.0 114.2

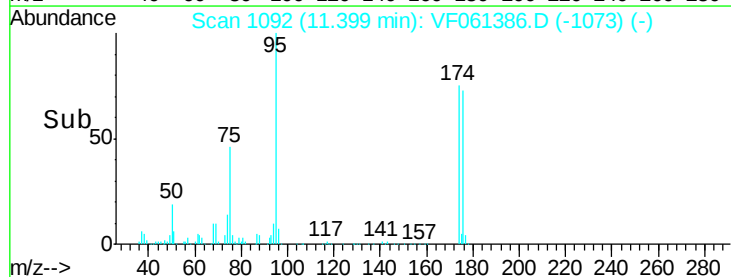
176 73.2 0.0 117.8

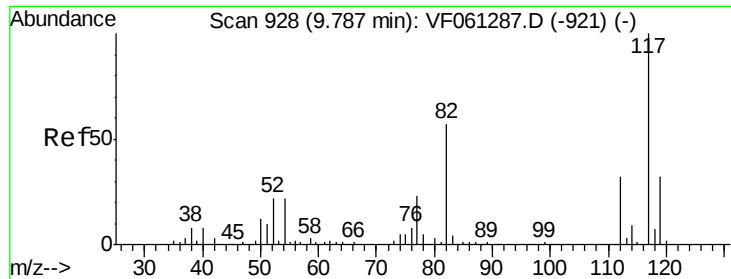


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V



Time-->

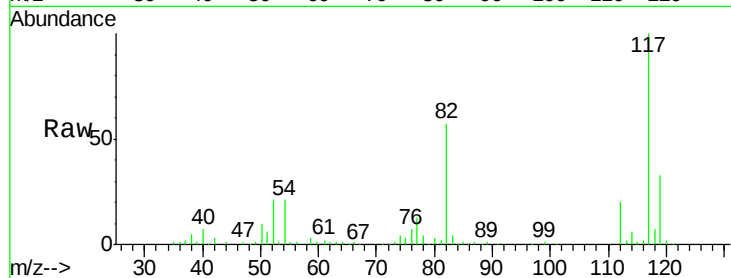




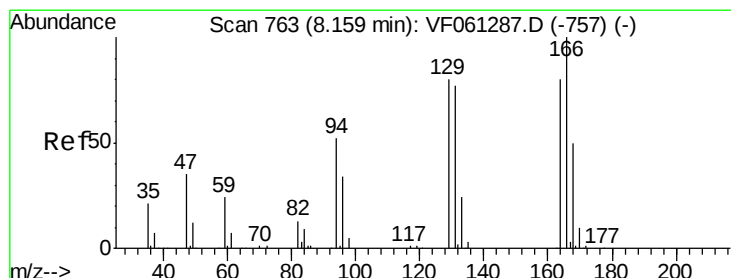
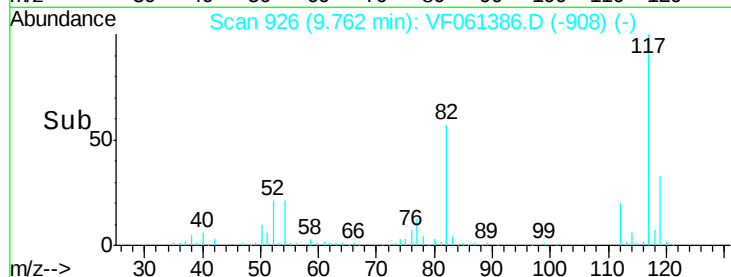
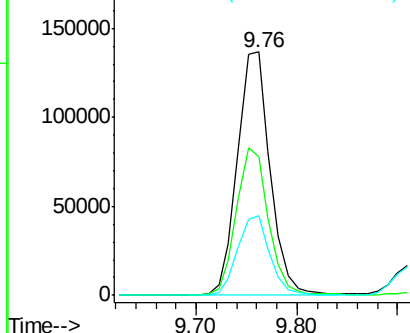
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Instrument :
MSVOA_F
ClientSampleId :

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

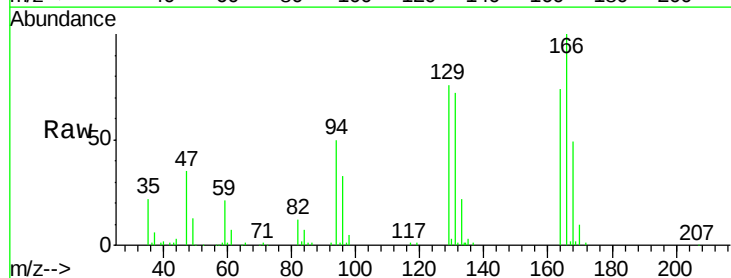


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

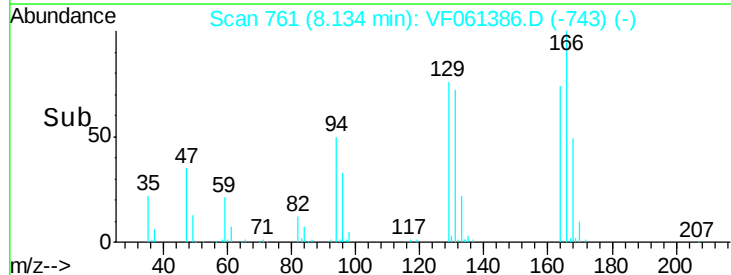
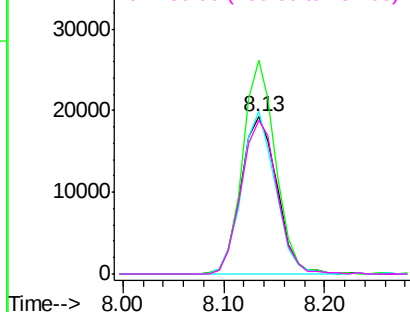


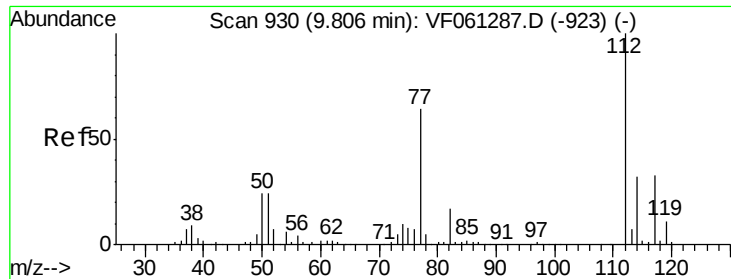
#64
Tetrachloroethene
Concen: 21.151 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

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

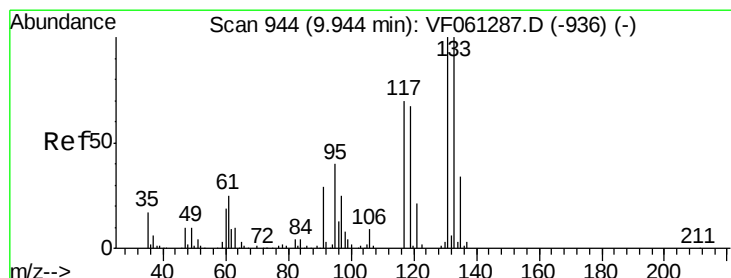
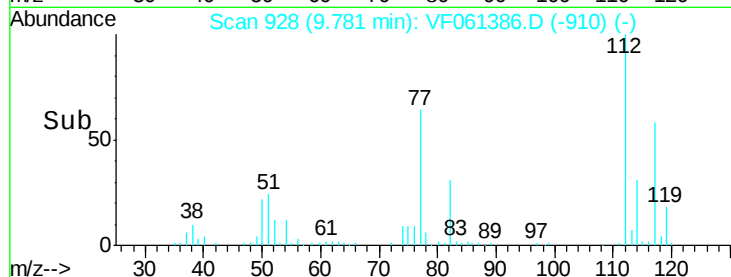
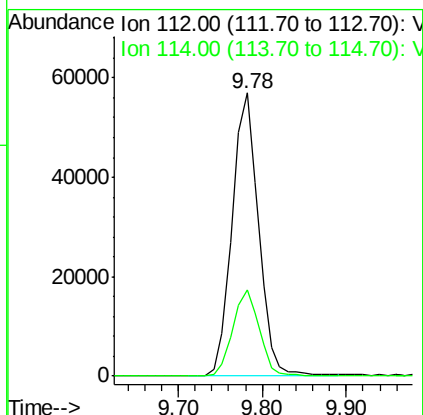
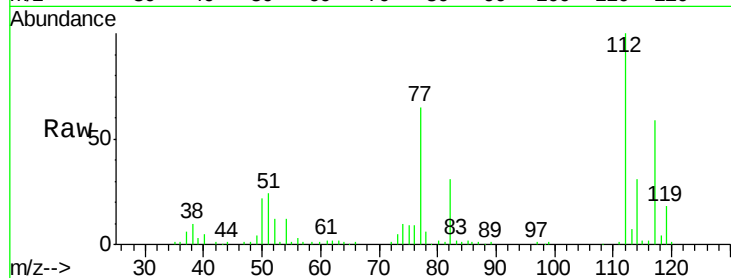




#65
Chlorobenzene
Concen: 20.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

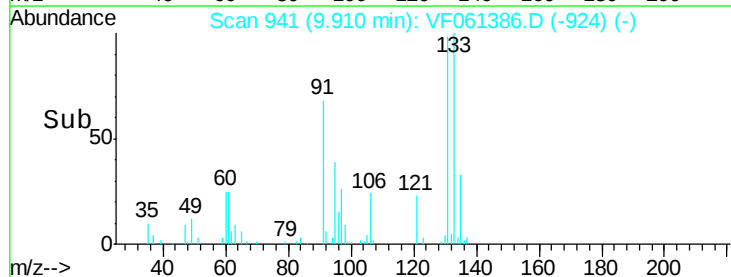
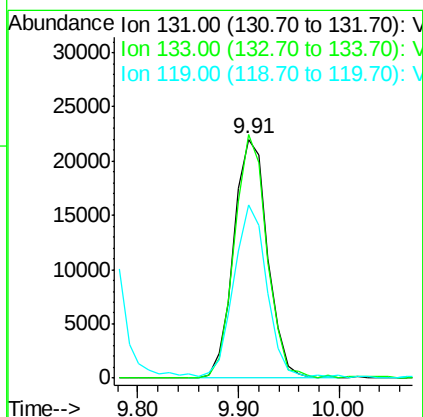
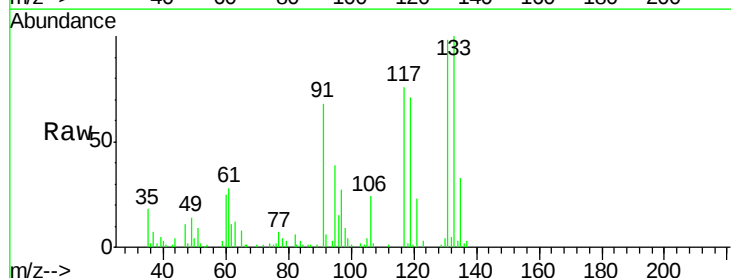
Instrument :
MSVOA_F
ClientSampled :

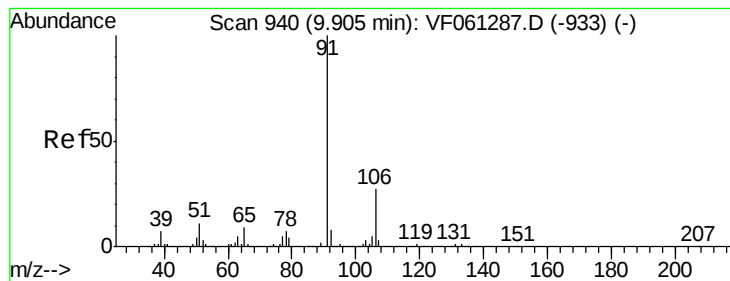
Tot Ion:112 Resp: 125364
Ion Ratio Lower Upper
112 100
114 30.6 25.8 38.8



#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

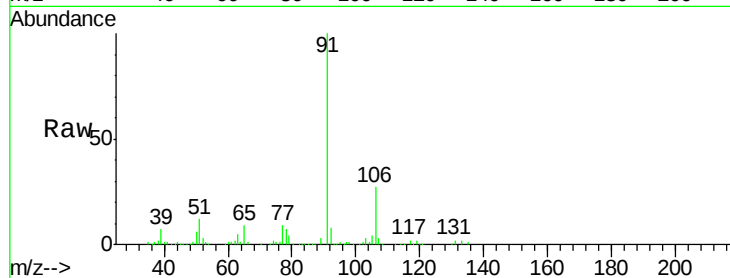
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 235139

Ion Ratio Lower Upper

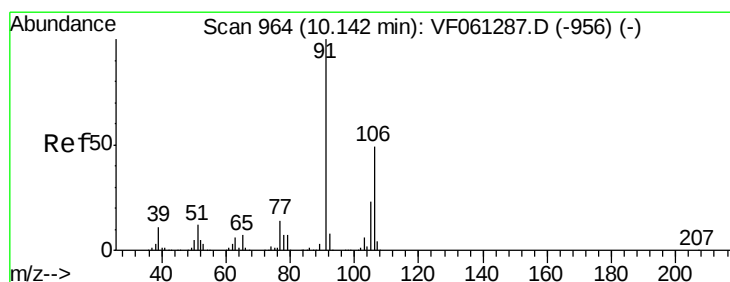
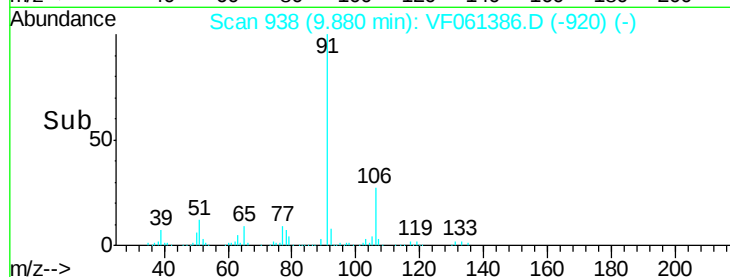
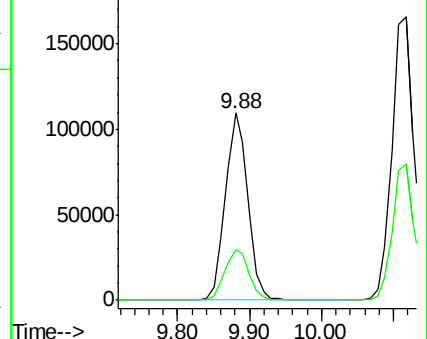
91 100

106 26.9 21.4 32.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#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

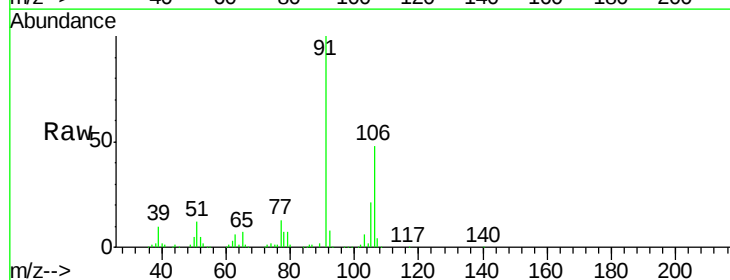
Acq: 14 Jan 2019 13:43

Tgt Ion: 106 Resp: 170327

Ion Ratio Lower Upper

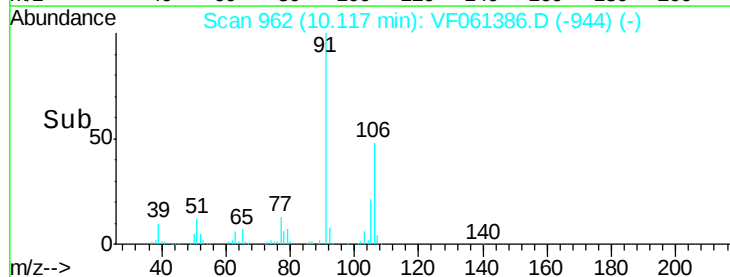
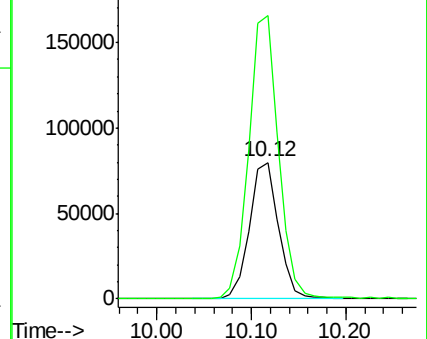
106 100

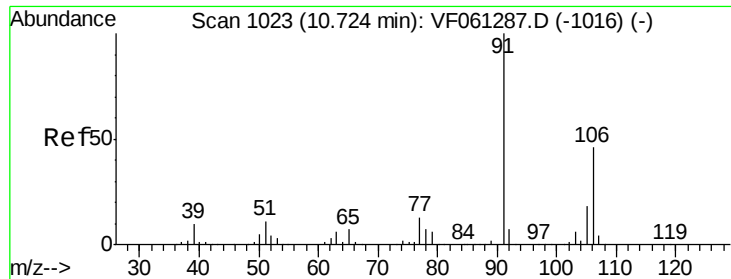
91 206.9 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

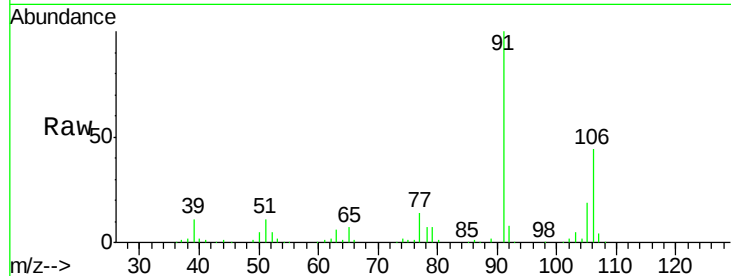




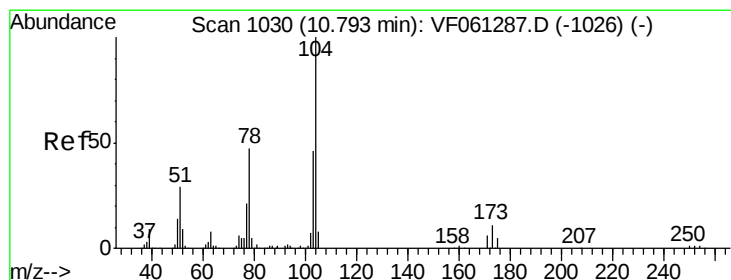
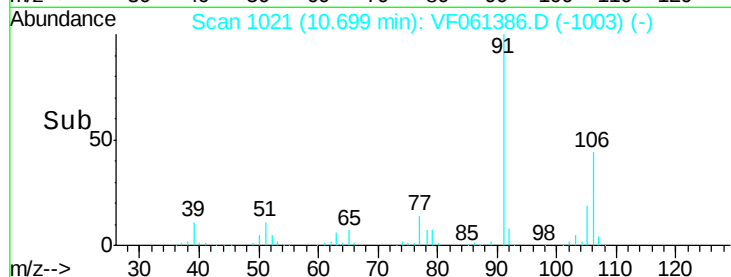
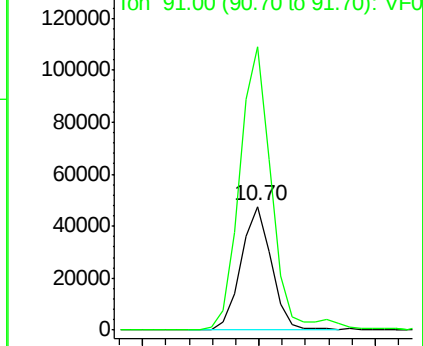
#69
o-Xylene
Concen: 18.289 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

Instrument :
MSVOA_F
ClientSampled :

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

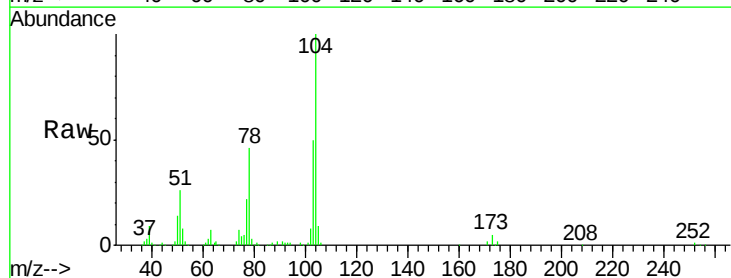


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

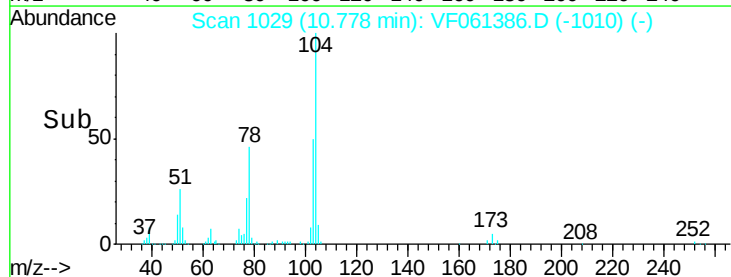
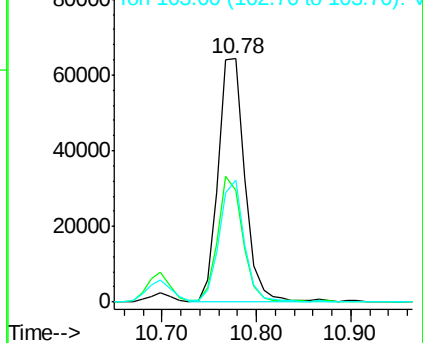


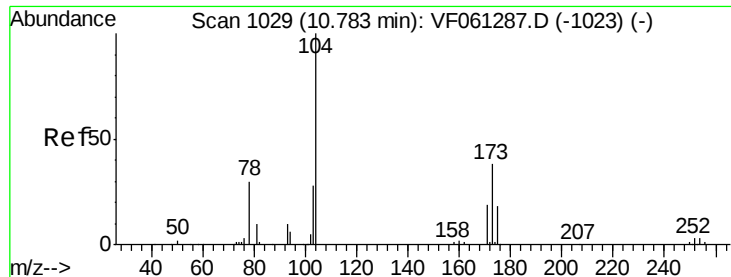
#70
Styrene
Concen: 19.993 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

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



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





#71

Bromoform

Concen: 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 :

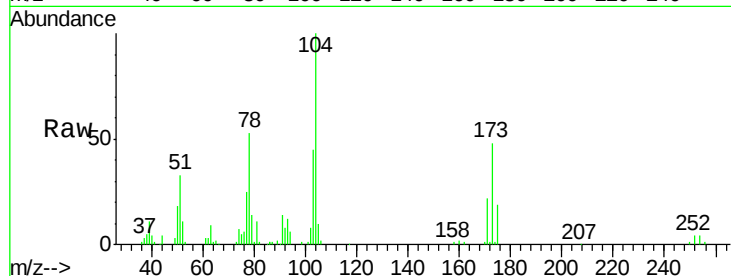
Tot Ion:173 Resp: 23979

Ion Ratio Lower Upper

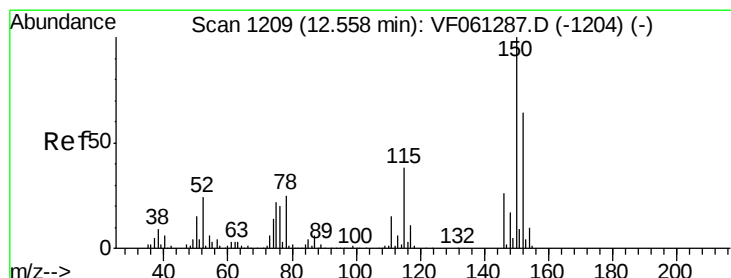
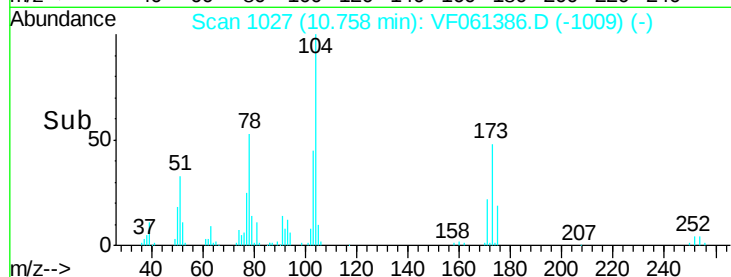
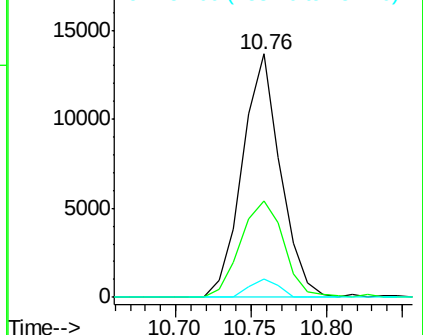
173 100

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

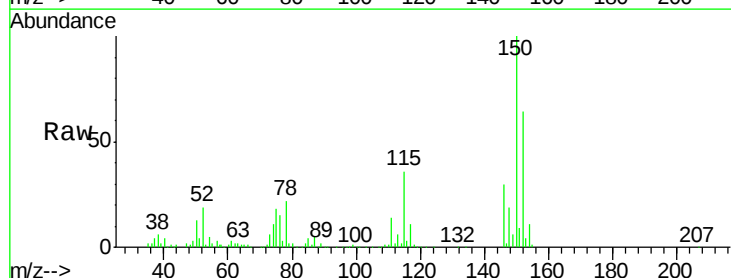
Tgt Ion:152 Resp: 157070

Ion Ratio Lower Upper

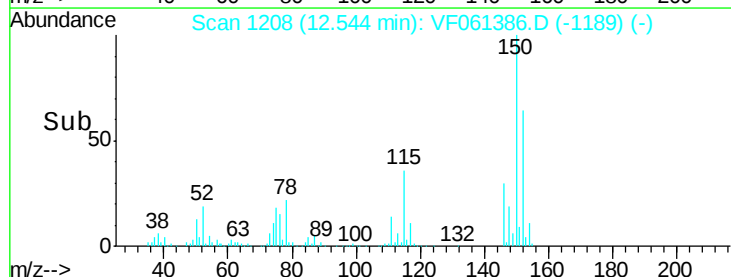
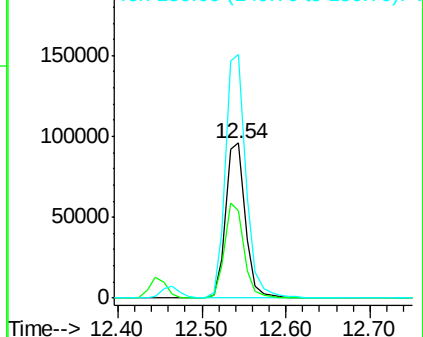
152 100

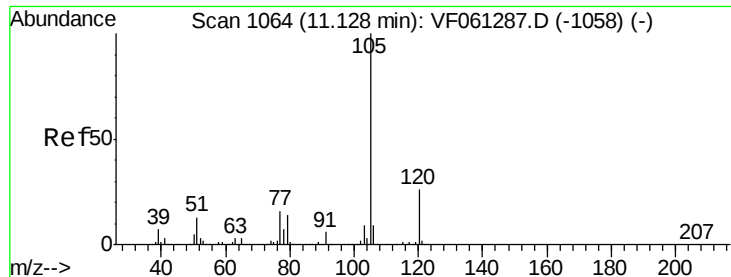
115 56.9 29.6 88.9

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

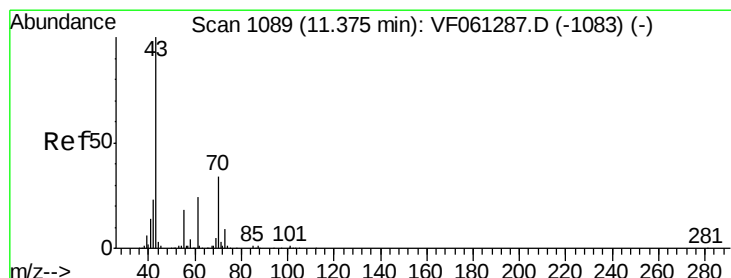
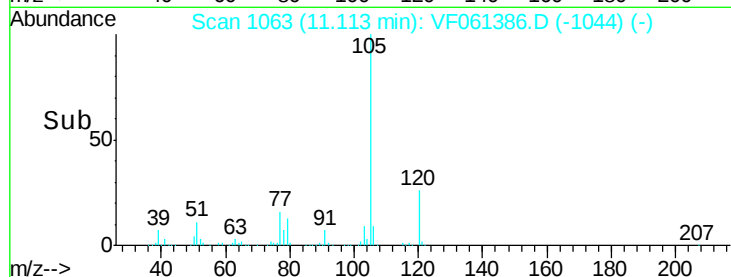
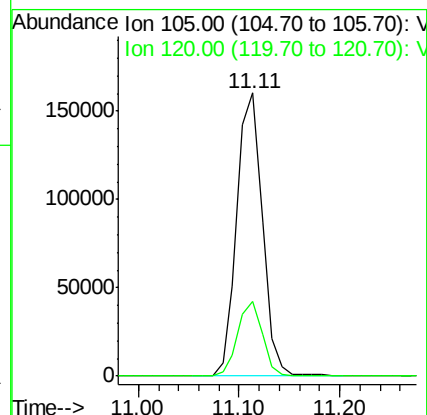
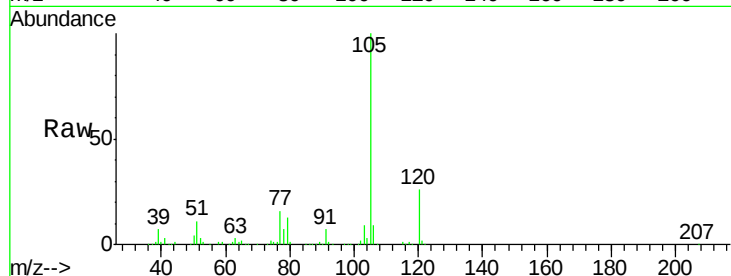
ClientSampleId :

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

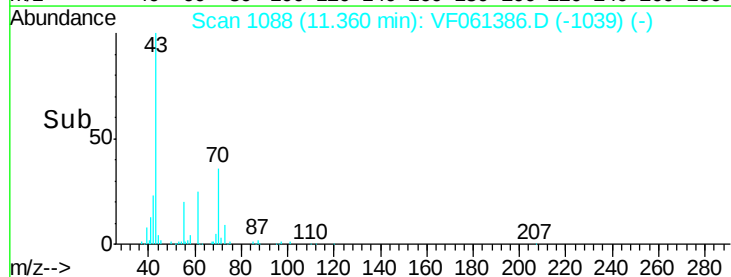
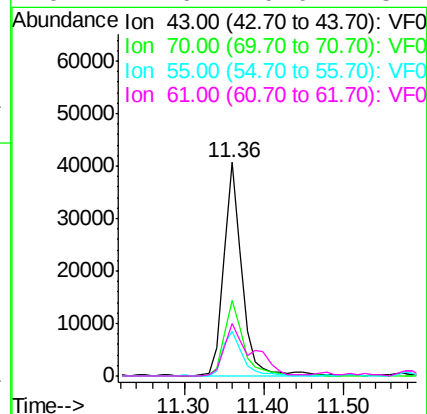
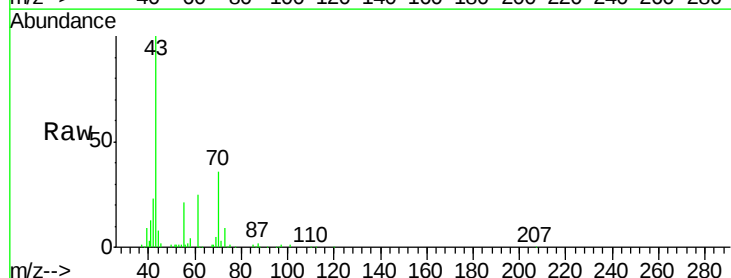
Ion Ratio Lower Upper

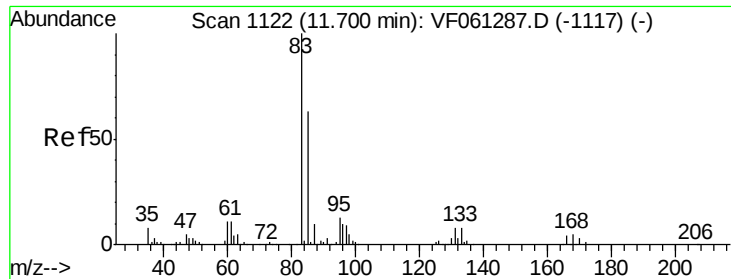
43 100

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 :

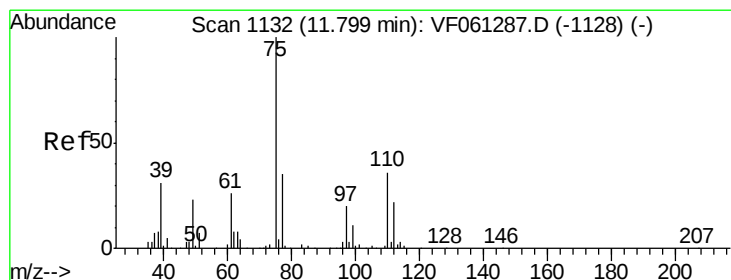
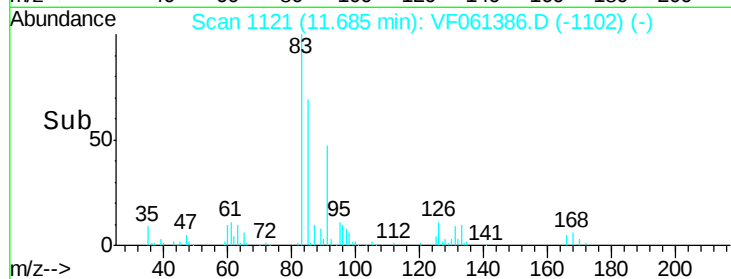
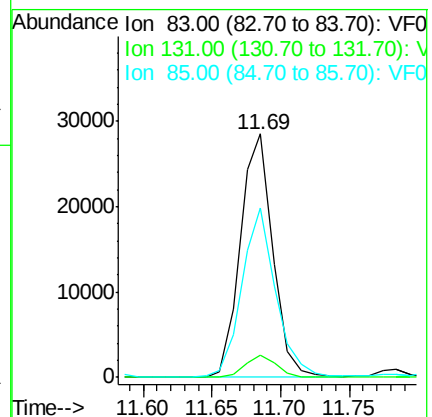
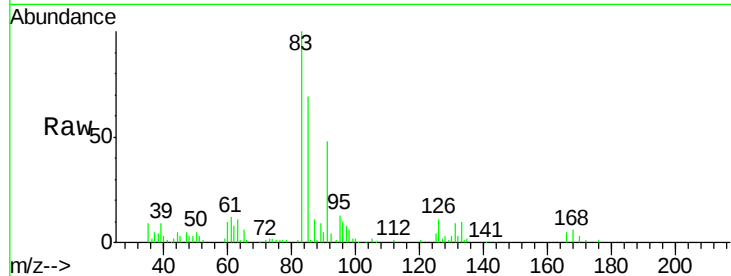
Tot Ion: 83 Resp: 46858

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

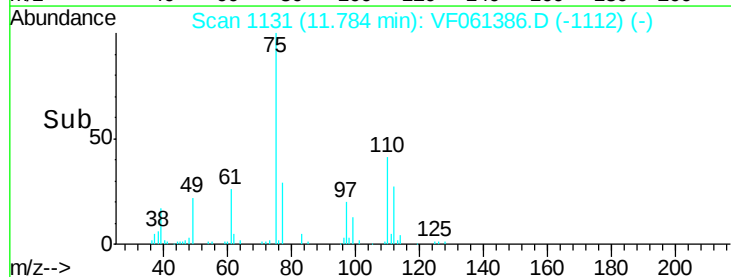
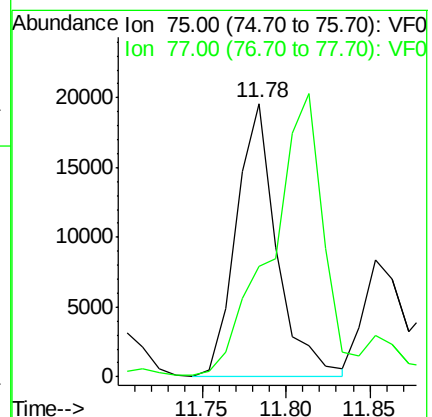
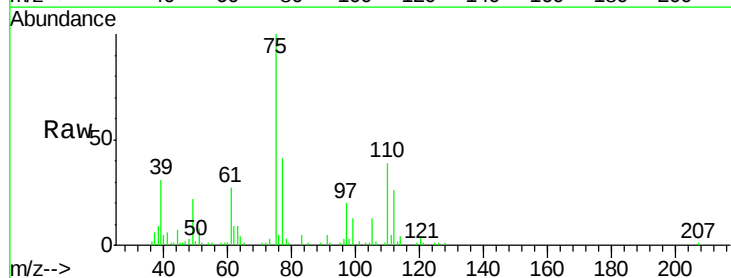
Acq: 14 Jan 2019 13:43

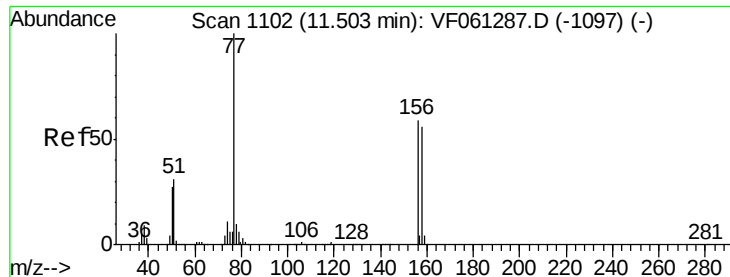
Tgt Ion: 75 Resp: 32778

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 :

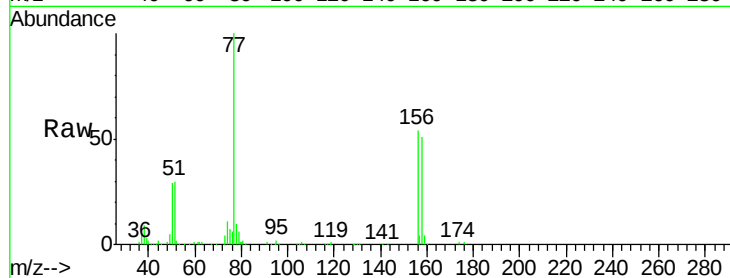
Tot Ion:156 Resp: 55917

Ion Ratio Lower Upper

156 100

77 186.1 84.3 252.9

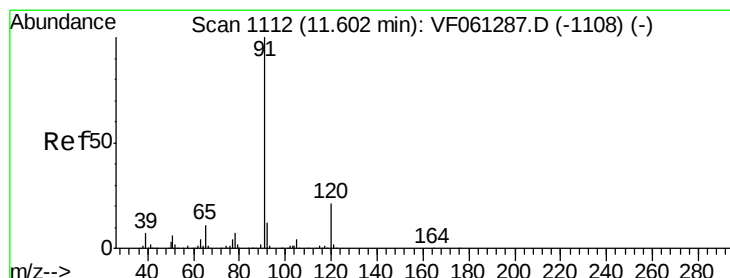
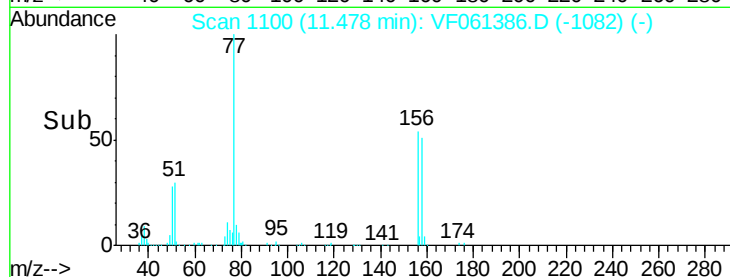
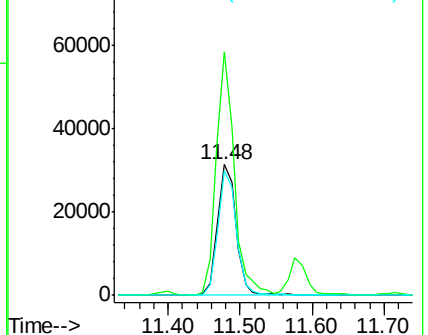
158 95.5 47.1 141.3



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

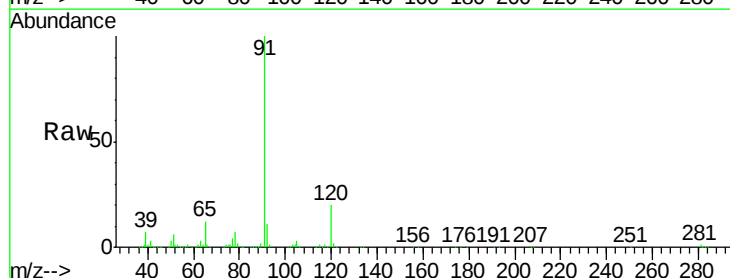
Acq: 14 Jan 2019 13:43

Tgt Ion: 91 Resp: 343167

Ion Ratio Lower Upper

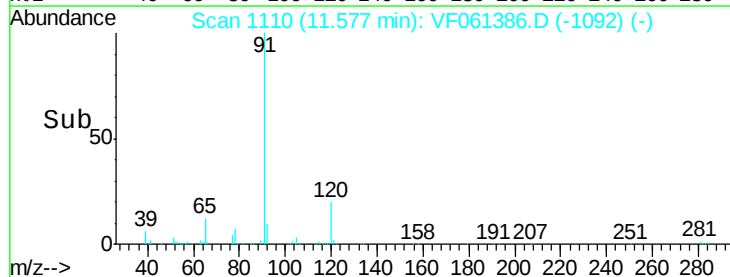
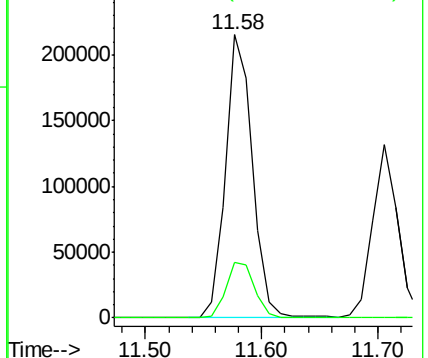
91 100

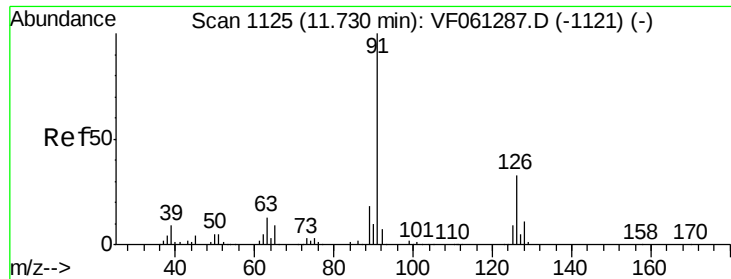
120 19.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

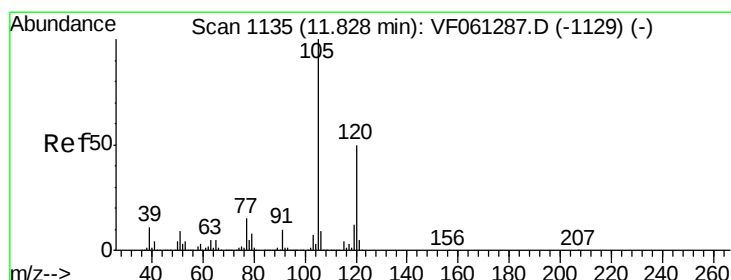
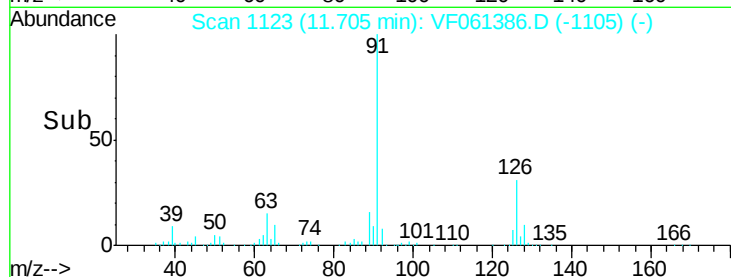
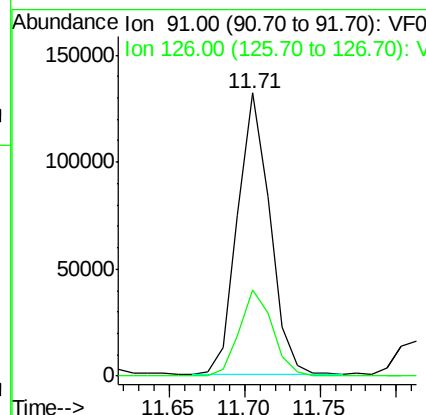
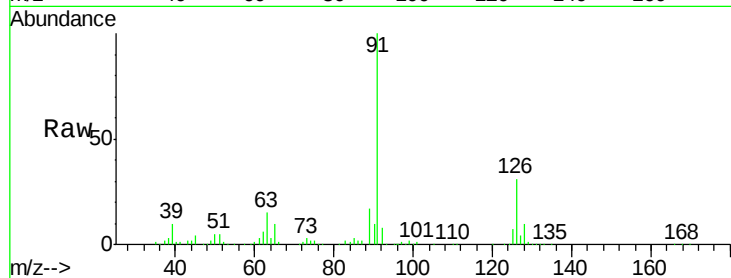




#79
 2-Chlorotoluene
 Concen: 21.306 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.02 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

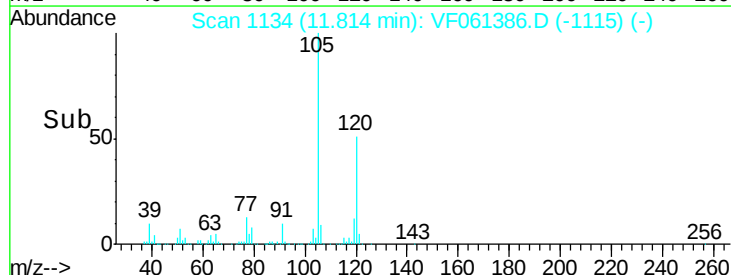
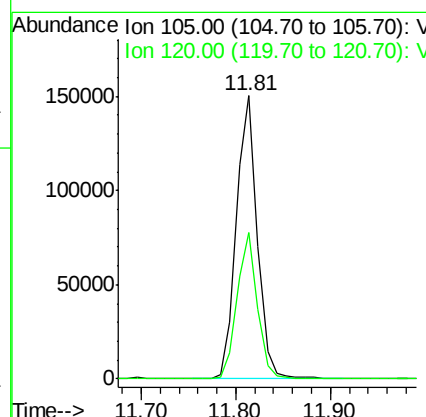
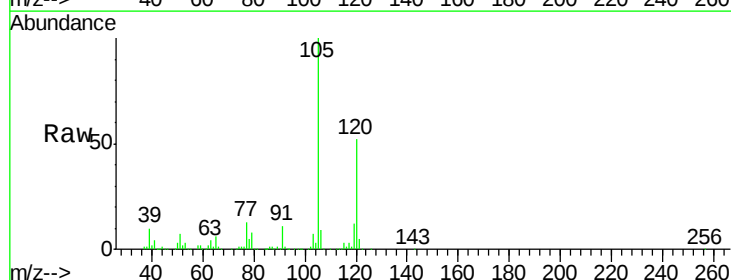
Instrument :
 MSVOA_F
 ClientSampleId :

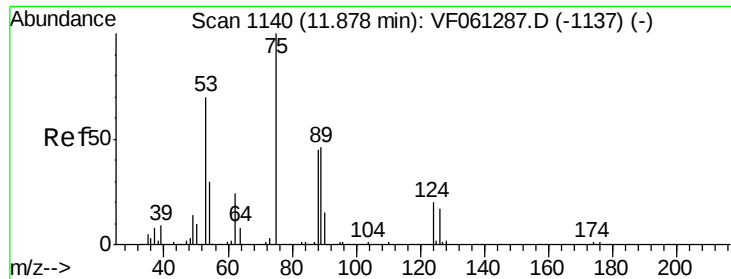
Tot Ion: 91 Resp: 195614
 Ion Ratio Lower Upper
 91 100
 126 30.7 16.6 49.8



#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

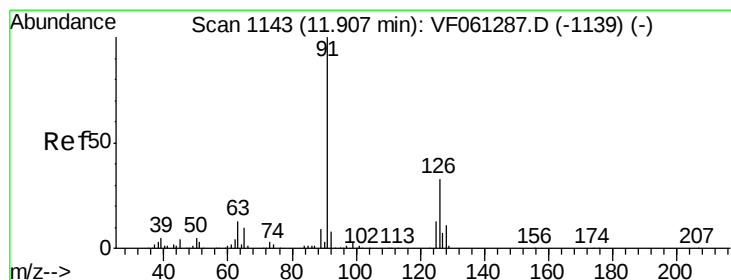
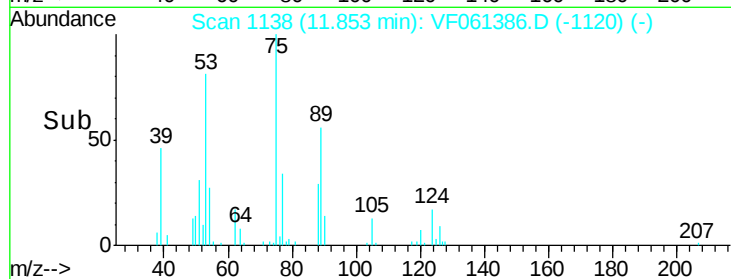
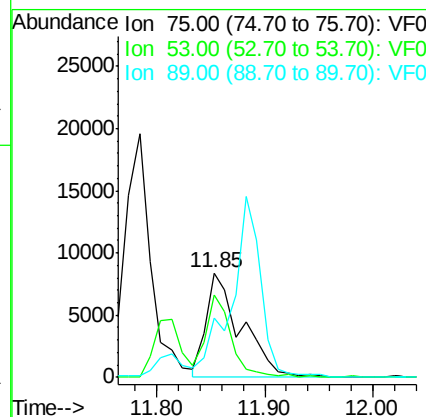
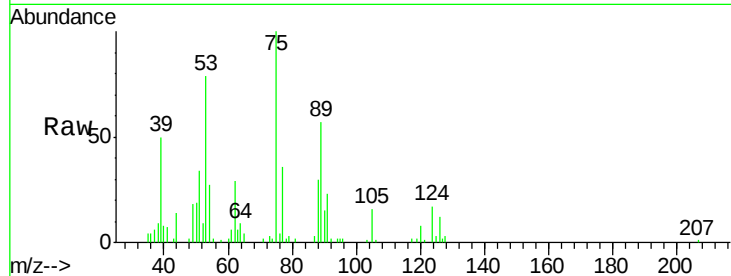




#81
trans-1,4-Dichloro-2-butene
Concen: 27.193 ug/l
RT: 11.85 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

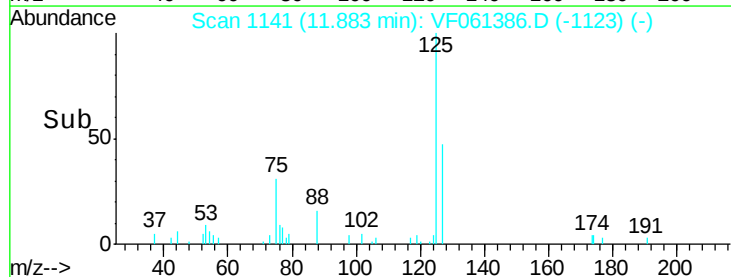
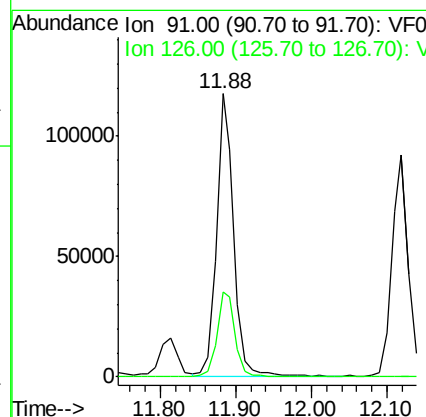
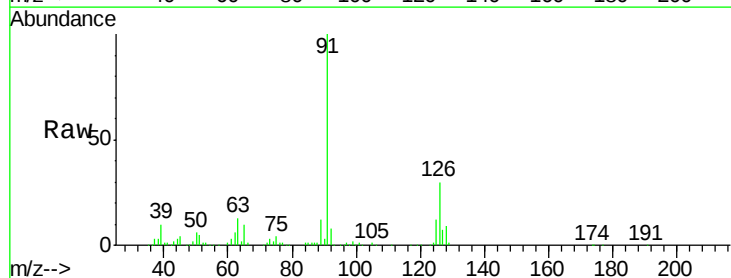
Instrument :
MSVOA_F
ClientSampled :

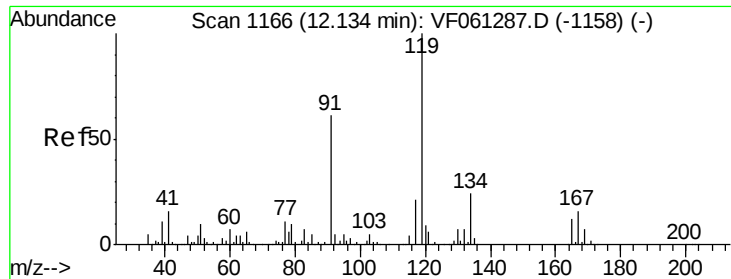
Tot Ion: 75 Resp: 19100
Ion Ratio Lower Upper
75 100
53 78.9 62.2 93.2
89 57.1 40.2 60.4



#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 :

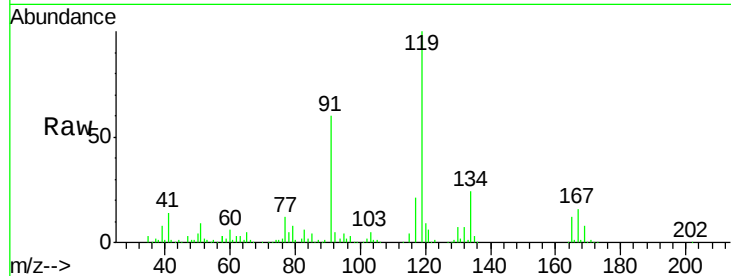
Tot Ion:119 Resp: 229204

Ion Ratio Lower Upper

119 100

91 59.8 30.8 92.4

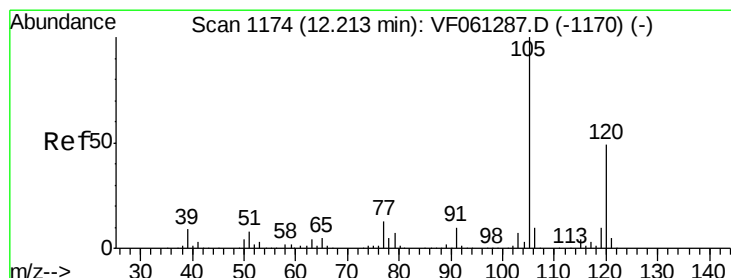
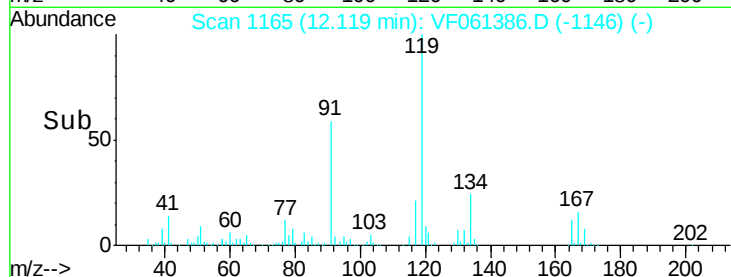
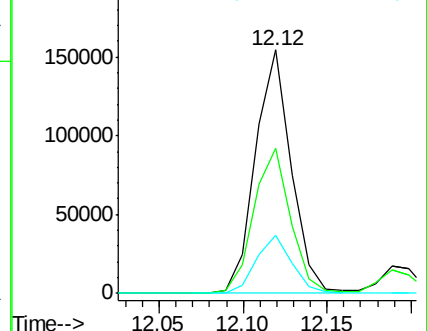
134 24.0 11.9 35.9



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

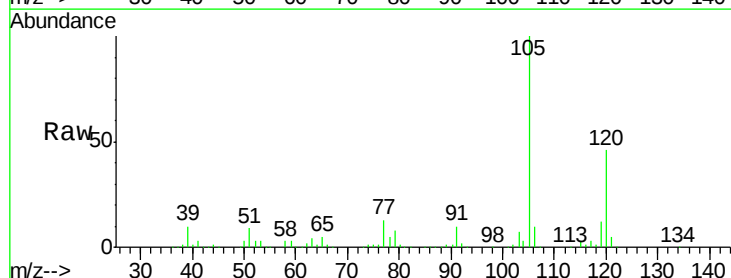
Acq: 14 Jan 2019 13:43

Tgt Ion:105 Resp: 223851

Ion Ratio Lower Upper

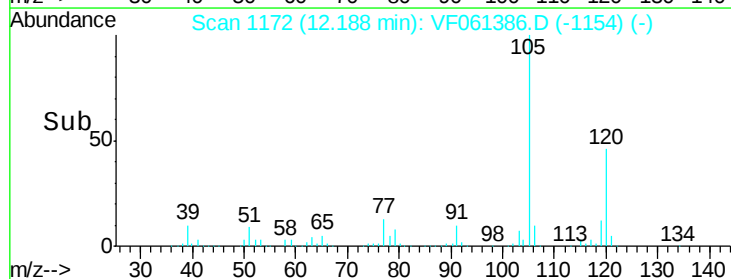
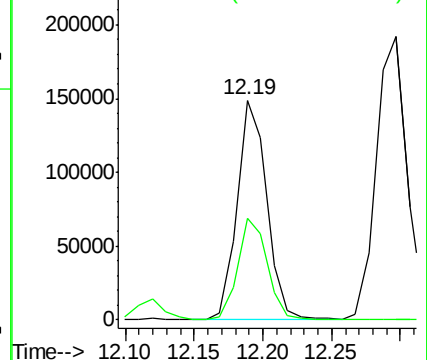
105 100

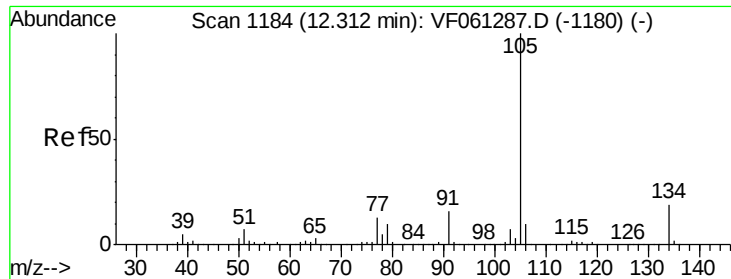
120 46.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

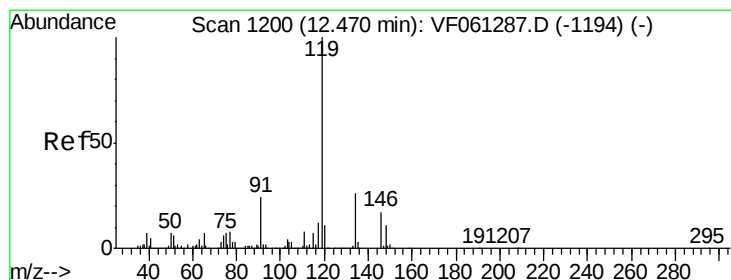
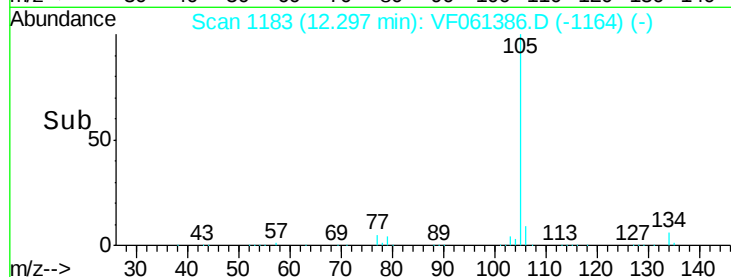
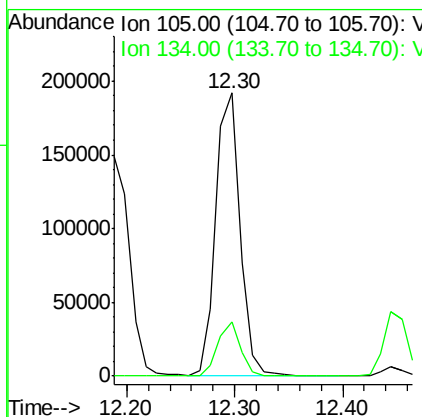
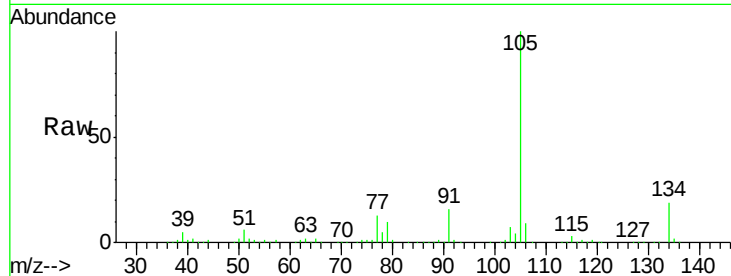




#85
 sec-Butylbenzene
 Concen: 19.286 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

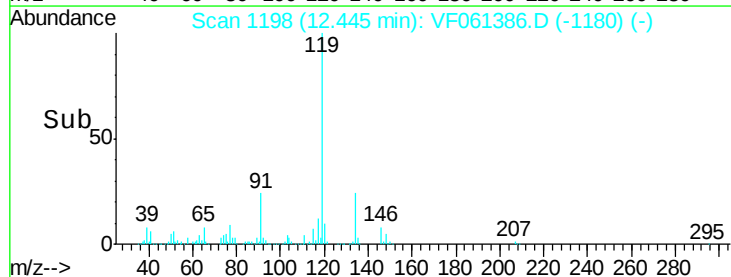
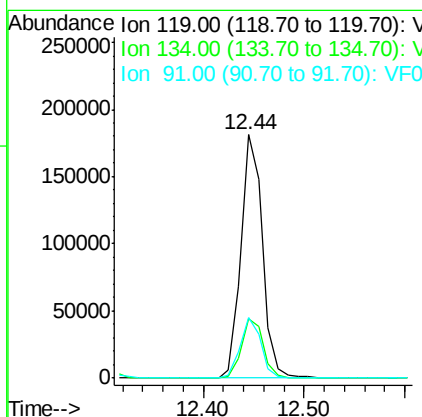
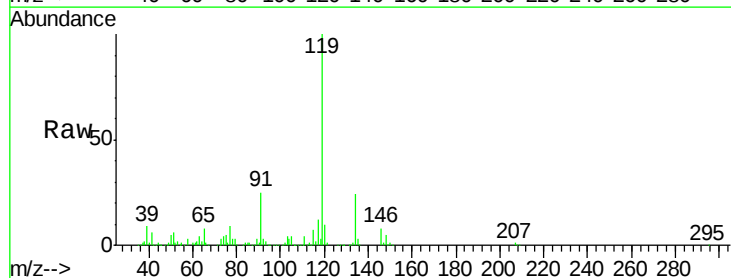
Instrument :
 MSVOA_F
 ClientSampled :

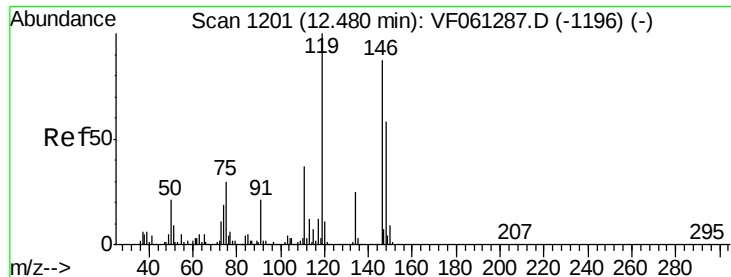
Tot Ion:105 Resp: 300889
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 28.9



#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

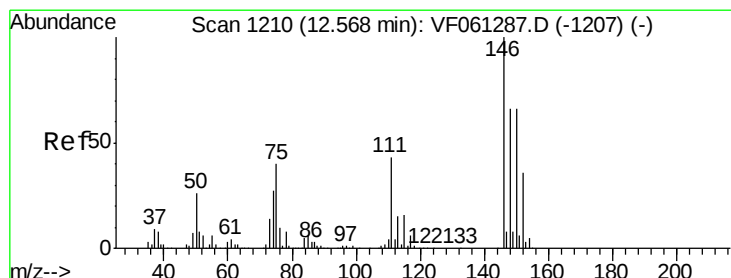
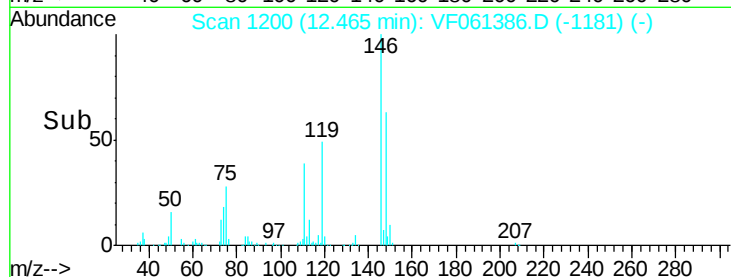
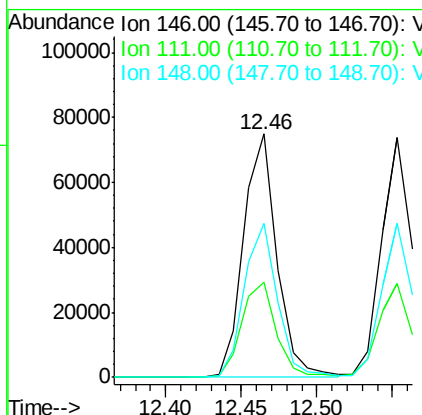
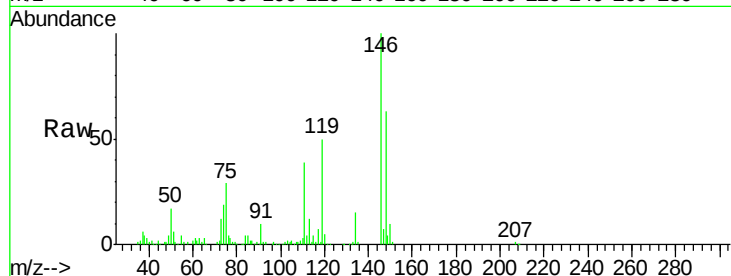




#87
 1,3-Dichlorobenzene
 Concen: 21.408 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061386.D
 Acq: 14 Jan 2019 13:43

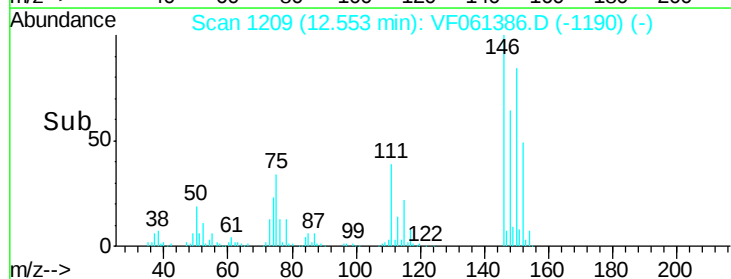
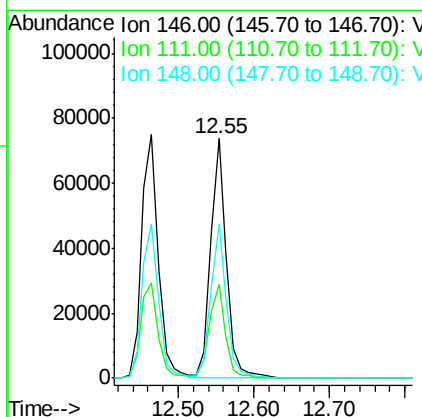
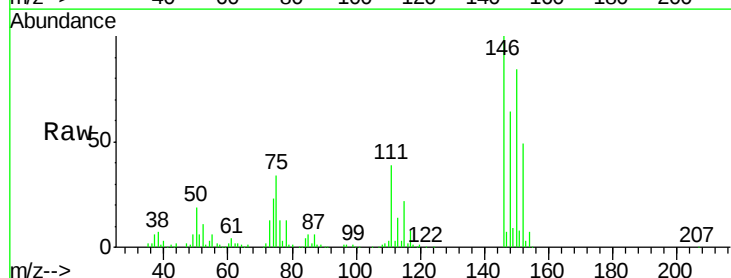
Instrument :
 MSVOA_F
 ClientSampled :

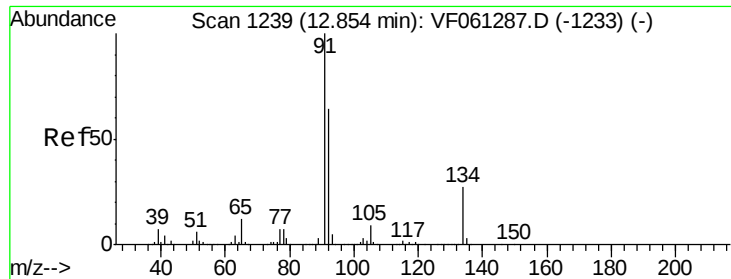
Tot Ion:146 Resp: 114958
 Ion Ratio Lower Upper
 146 100
 111 39.3 21.1 63.3
 148 63.0 33.1 99.5



#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

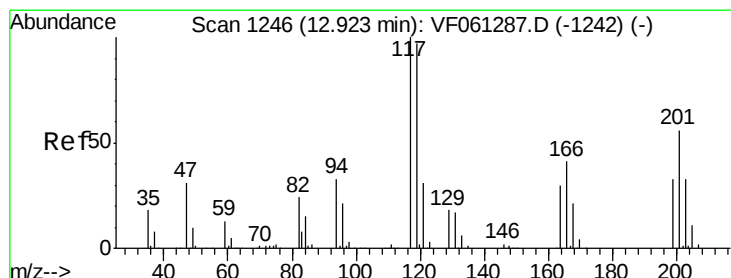
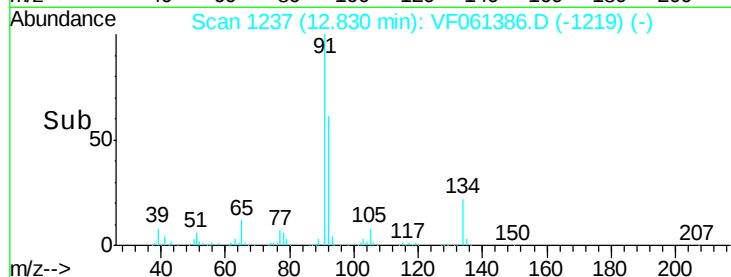
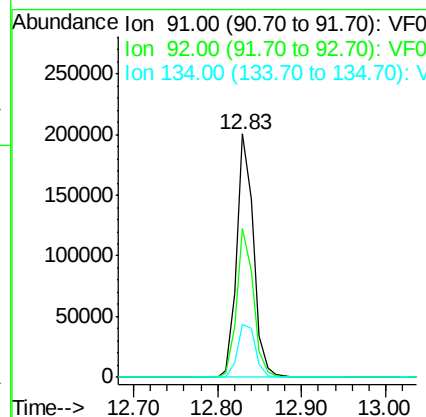
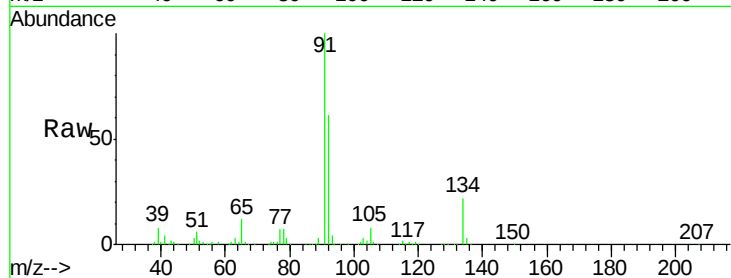




#89
n-Butylbenzene
Concen: 21.323 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061386.D
Acq: 14 Jan 2019 13:43

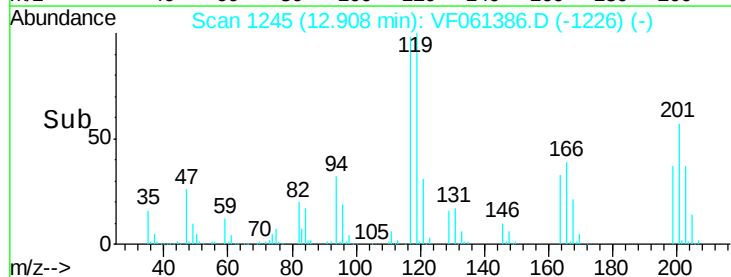
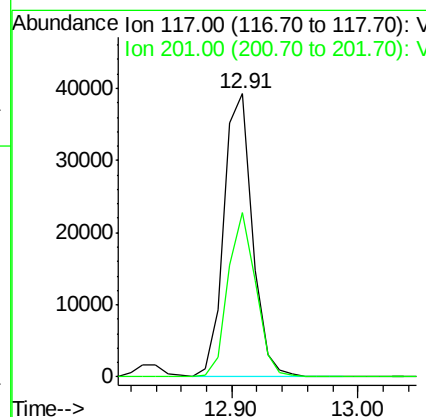
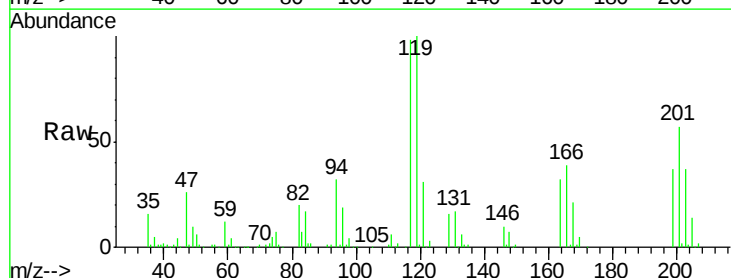
Instrument :
MSVOA_F
ClientSampleId :

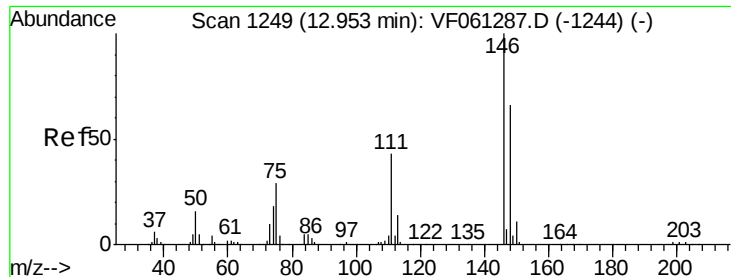
Tot Ion: 91 Resp: 278014
Ion Ratio Lower Upper
91 100
92 61.0 32.1 96.3
134 21.6 13.4 40.1



#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





#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 :

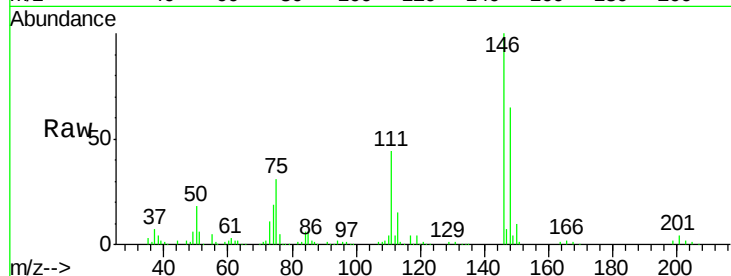
Tot Ion:146 Resp: 105924

Ion Ratio Lower Upper

146 100

111 43.7 21.4 64.3

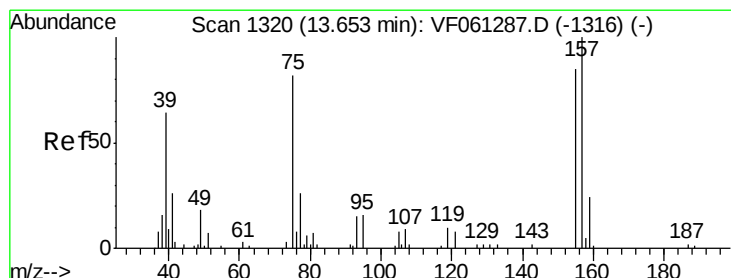
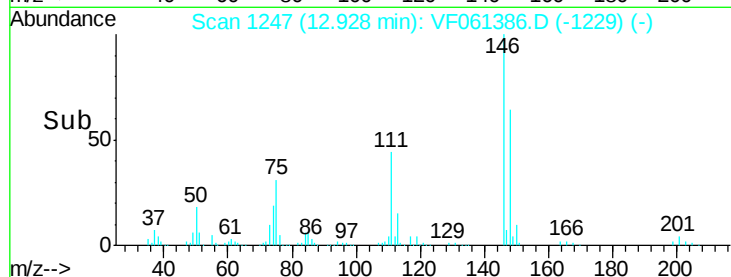
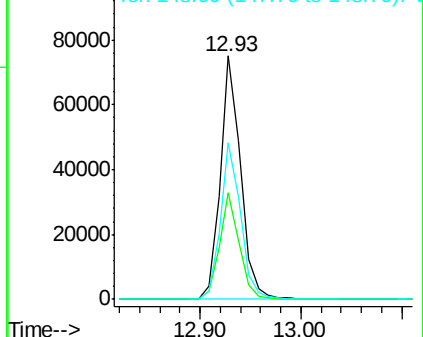
148 64.6 33.1 99.2



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

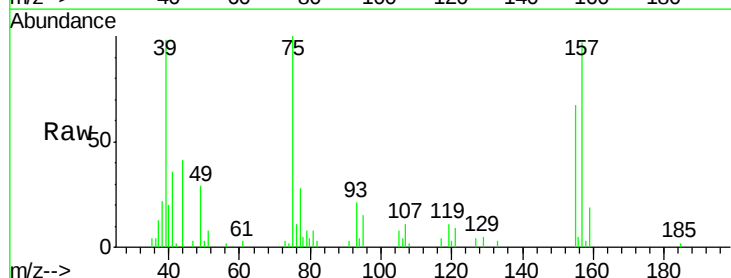
Tgt Ion: 75 Resp: 7665

Ion Ratio Lower Upper

75 100

155 66.7 51.3 154.0

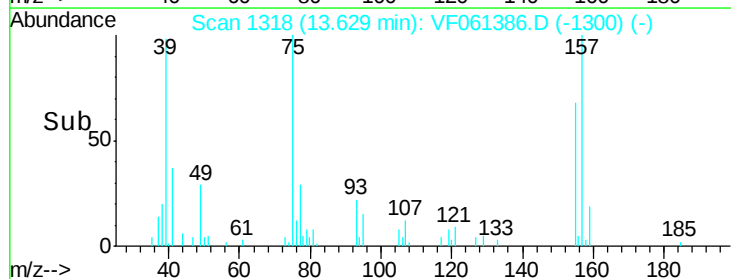
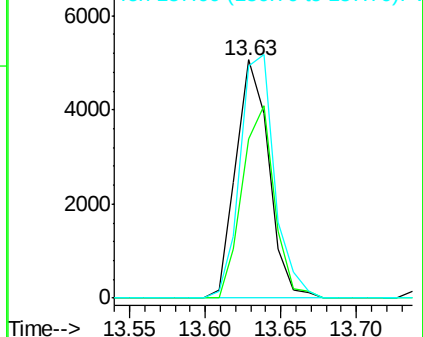
157 97.5 60.7 182.0

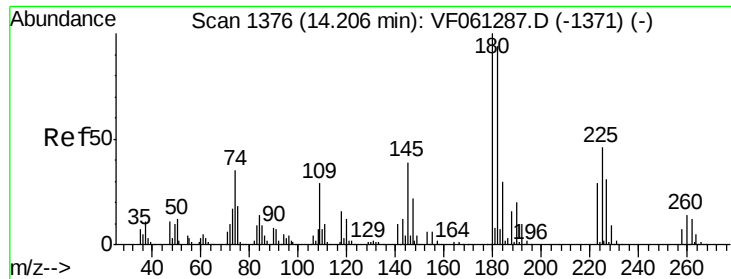


Abundance Ion 75.00 (74.70 to 75.70): VF0

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 :

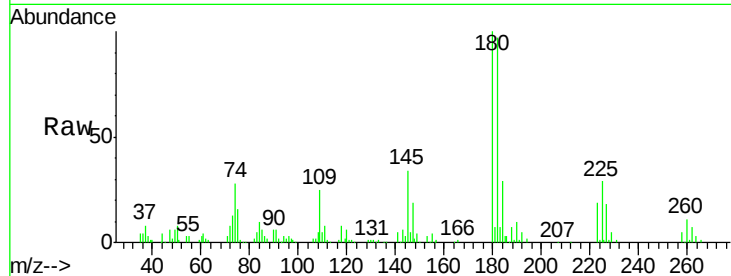
Tot Ion:180 Resp: 72882

Ion Ratio Lower Upper

180 100

182 97.3 47.0 141.2

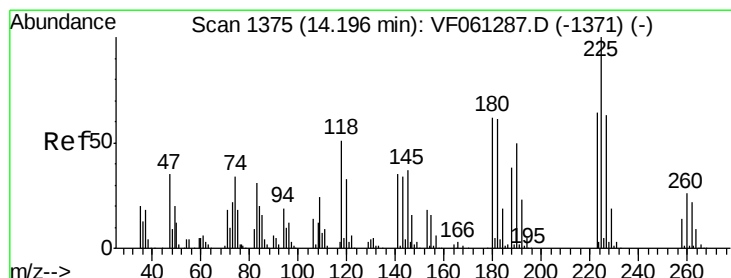
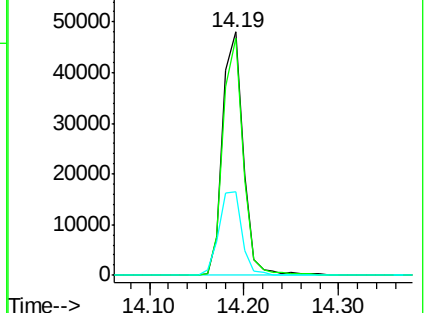
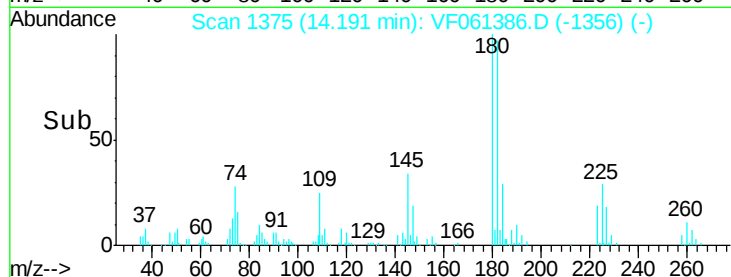
145 34.4 19.7 59.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 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

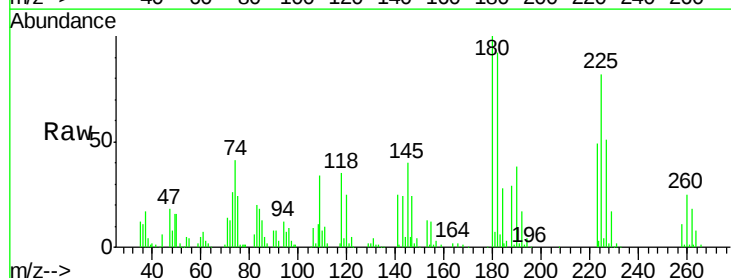
Tgt Ion:225 Resp: 46777

Ion Ratio Lower Upper

225 100

223 60.4 31.8 95.4

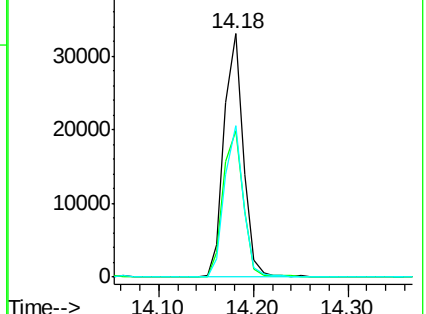
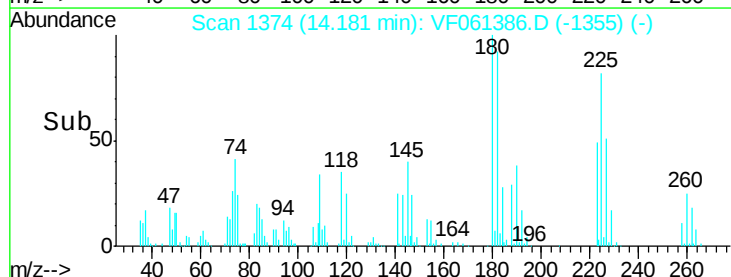
227 62.0 31.3 93.9

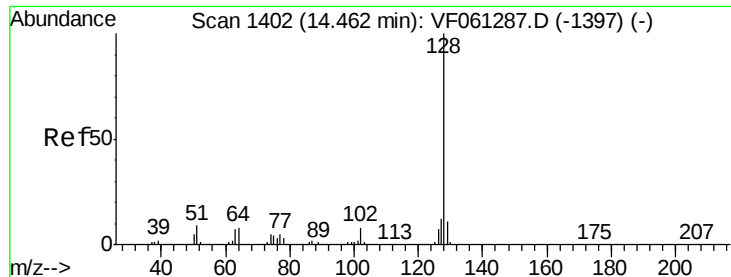


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 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

ClientSampled :

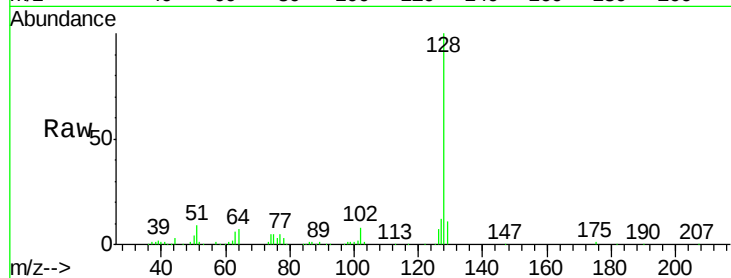
Tot Ion:128 Resp: 123405

Ion Ratio Lower Upper

128 100

127 11.9 9.4 14.0

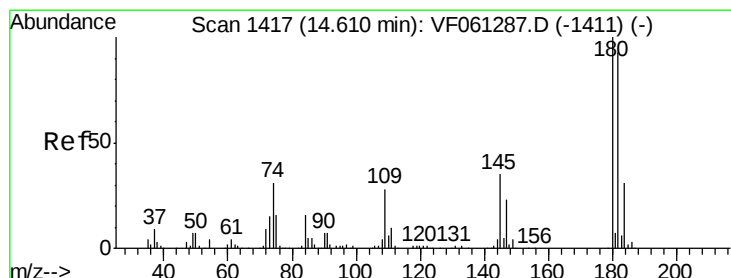
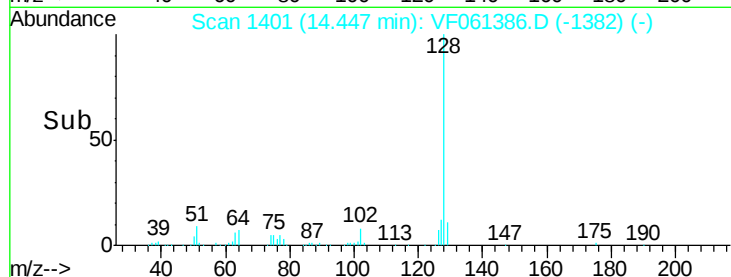
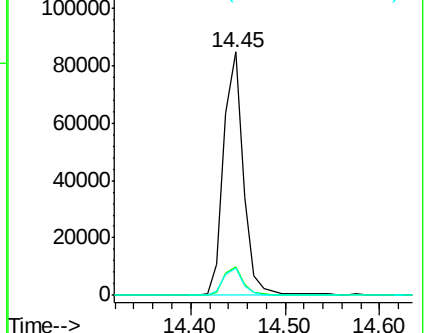
129 11.0 8.8 13.2



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

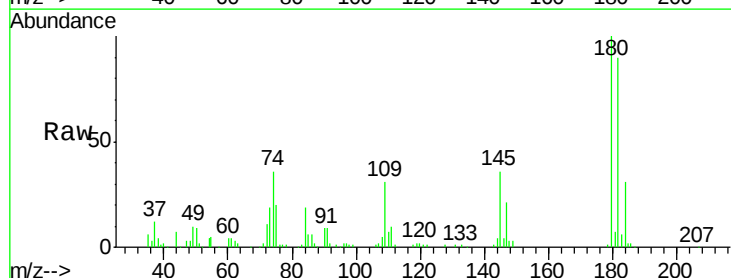
Tgt Ion:180 Resp: 62310

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

