

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061387.D
 Acq On : 14 Jan 2019 14:12
 Operator : VA/AP
 Sample : VF0114SBS01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 14 21:40:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	202544	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	341121	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	313801	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	157763	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	119637	53.07	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	106.14%	
35) Dibromofluoromethane	4.10	113	130304	49.92	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.84%	
50) Toluene-d8	7.53	98	349664	45.27	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	90.54%	
62) 4-Bromofluorobenzene	11.40	95	163035	48.34	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	73704	19.727	ug/l	93
3) Chloromethane	1.09	50	56193	16.878	ug/l	100
4) Vinyl Chloride	1.13	62	52083	17.515	ug/l	94
5) Bromomethane	1.30	94	31597	14.658	ug/l	99
6) Chloroethane	1.38	64	21351	14.704	ug/l #	84
7) Trichlorofluoromethane	1.47	101	86675	17.194	ug/l	92
8) Diethyl Ether	1.62	74	12397	16.748	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.81	101	47169	17.721	ug/l	95
10) Methyl Iodide	1.84	142	16188	3.882	ug/l	90
11) Tert butyl alcohol	2.56	59	8548	94.701	ug/l	96
12) 1,1-Dichloroethene	1.78	96	36379	17.092	ug/l	91
13) Acrolein	1.99	56	6470	48.866	ug/l	99
14) Allyl chloride	2.09	41	60426	15.532	ug/l #	94
15) Acrylonitrile	2.93	53	24418	76.311	ug/l	87
16) Acetone	2.22	43	53245	101.528	ug/l	98
17) Carbon Disulfide	1.80	76	106812	15.193	ug/l	95
18) Methyl Acetate	2.33	43	19433	18.834	ug/l	97
19) Methyl tert-butyl Ether	2.42	73	72514	17.879	ug/l	97
20) Methylene Chloride	2.17	84	15788	7.116	ug/l	90
21) trans-1,2-Dichloroethene	2.29	96	37719	16.724	ug/l	92
22) Diisopropyl ether	2.79	45	122808	16.317	ug/l	93
23) Vinyl Acetate	3.17	43	279095	126.796	ug/l	97
24) 1,1-Dichloroethane	2.86	63	74920	17.208	ug/l	98
25) 2-Butanone	4.32	43	90526	107.249	ug/l	98
26) 2,2-Dichloropropane	3.59	77	49909	17.154	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	58640	18.622	ug/l	91
28) Bromochloromethane	3.70	49	35304	18.391	ug/l #	98
29) Tetrahydrofuran	4.06	42	36110	102.319	ug/l	92
30) Chloroform	3.84	83	103957	18.809	ug/l	97
31) Cyclohexane	3.67	56	50747	11.110	ug/l	93
32) 1,1,1-Trichloroethane	4.07	97	73831	16.538	ug/l	96
36) 1,1-Dichloropropene	4.26	75	76408	19.181	ug/l	96
37) Ethyl Acetate	4.10	43	33037	22.774	ug/l #	51
38) Carbon Tetrachloride	3.97	117	67765	17.962	ug/l	91

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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)
39) Methylcyclohexane	5.43	83	87604	17.576	ug/l	92
40) Benzene	4.61	78	180466	19.405	ug/l	98
41) Methacrylonitrile	4.72	41	17603	21.730	ug/l #	86
42) 1,2-Dichloroethane	4.92	62	59047	20.393	ug/l	97
43) Isopropyl Acetate	6.95	43	40004	20.888	ug/l #	99
44) Trichloroethene	5.48	130	56160	20.634	ug/l	90
45) 1,2-Dichloropropane	6.22	63	49808	21.061	ug/l	96
46) Dibromomethane	6.06	93	33190	22.857	ug/l	97
47) Bromodichloromethane	6.37	83	77852	21.558	ug/l	100
48) Methyl methacrylate	6.69	41	26543	21.352	ug/l	99
49) 1,4-Dioxane	6.68	88	4111	524.098	ug/l #	76
51) 4-Methyl-2-Pentanone	8.24	43	151609	104.878	ug/l	92
52) Toluene	7.61	92	118232	19.779	ug/l	95
53) t-1,3-Dichloropropene	8.26	75	63616	22.431	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	80297	21.354	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	33210	19.854	ug/l	98
56) Ethyl methacrylate	8.61	69	40162	21.483	ug/l	94
57) 1,3-Dichloropropane	8.83	76	59527	20.108	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.28	63	15979	200.569	ug/l #	81
59) 2-Hexanone	9.47	43	121465	118.605	ug/l	96
60) Dibromochloromethane	8.70	129	46862	21.039	ug/l	94
61) 1,2-Dibromoethane	8.97	107	36813	21.590	ug/l	98
64) Tetrachloroethene	8.14	164	45274	19.816	ug/l	97
65) Chlorobenzene	9.78	112	128120	20.219	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	52556	20.326	ug/l	94
67) Ethyl Benzene	9.88	91	246669	20.189	ug/l	97
68) m/p-Xylenes	10.12	106	177283	41.598	ug/l	90
69) o-Xylene	10.70	106	98730	20.738	ug/l	100
70) Styrene	10.78	104	131527	20.739	ug/l	98
71) Bromoform	10.76	173	23903	22.620	ug/l #	99
73) Isopropylbenzene	11.11	105	277756	20.008	ug/l	99
74) N-amyl acetate	11.36	43	68353	21.660	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	50616	22.996	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	35499	21.989	ug/l	94
77) Bromobenzene	11.49	156	55289	20.019	ug/l	94
78) n-propylbenzene	11.59	91	347423	20.990	ug/l	99
79) 2-Chlorotoluene	11.70	91	198504	21.526	ug/l	94
80) 1,3,5-Trimethylbenzene	11.81	105	222202	20.116	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	21464	30.425	ug/l	97
82) 4-Chlorotoluene	11.88	91	190949	20.378	ug/l	95
83) tert-Butylbenzene	12.12	119	235281	21.379	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	223834	20.410	ug/l	98
85) sec-Butylbenzene	12.30	105	315811	20.154	ug/l	97
86) p-Isopropyltoluene	12.44	119	259820	20.385	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	112879	20.929	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	109141	21.049	ug/l	95
89) n-Butylbenzene	12.83	91	280058	21.385	ug/l	93
90) Hexachloroethane	12.91	117	61093	20.954	ug/l	98
91) 1,2-Dichlorobenzene	12.93	146	108631	21.102	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7661	20.599	ug/l	75

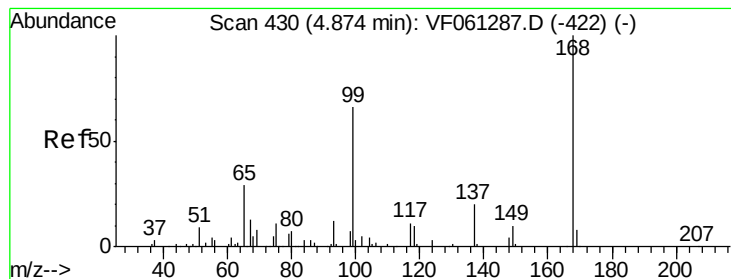
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
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Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	73451	20.734	ug/l	97
94) Hexachlorobutadiene	14.18	225	44710	19.604	ug/l	96
95) Naphthalene	14.45	128	134011	20.073	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	63444	19.012	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

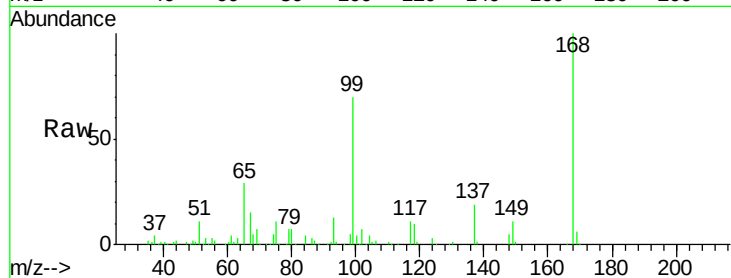
ClientSampleId :

Tot Ion:168 Resp: 202544

Ion Ratio Lower Upper

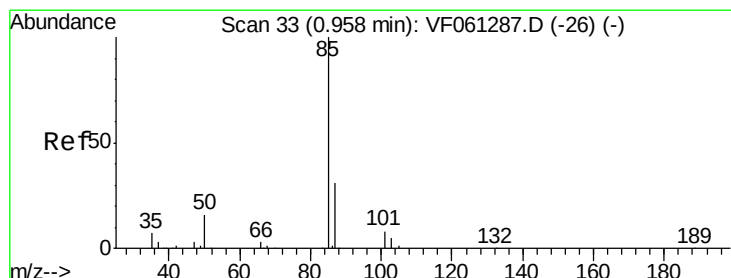
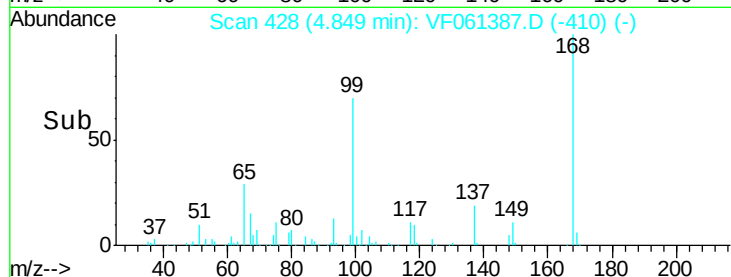
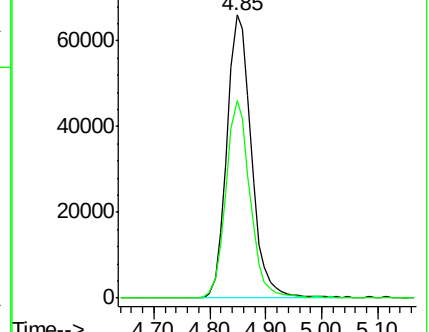
168 100

99 69.7 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 19.727 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061387.D

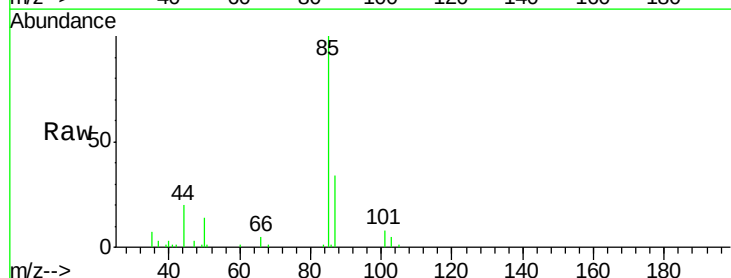
Acq: 14 Jan 2019 14:12

Tgt Ion: 85 Resp: 73704

Ion Ratio Lower Upper

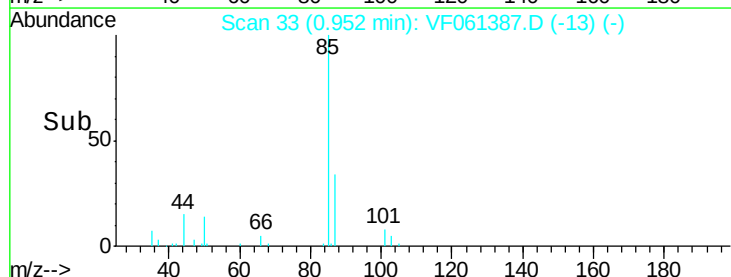
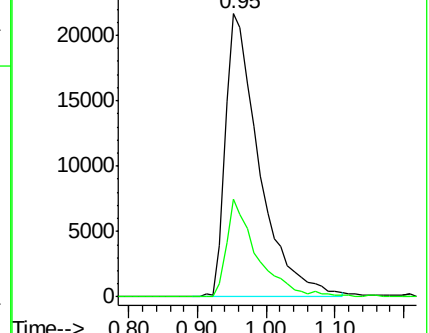
85 100

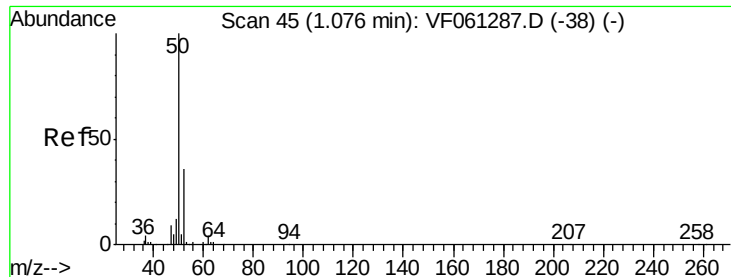
87 34.4 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 16.878 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

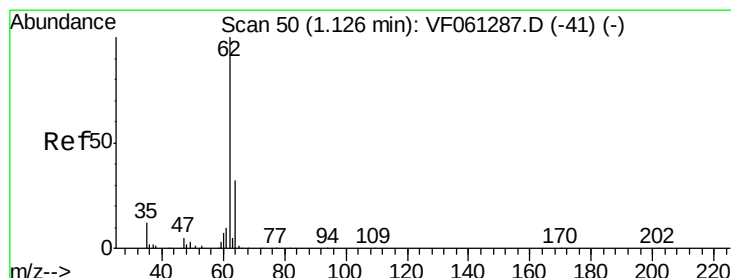
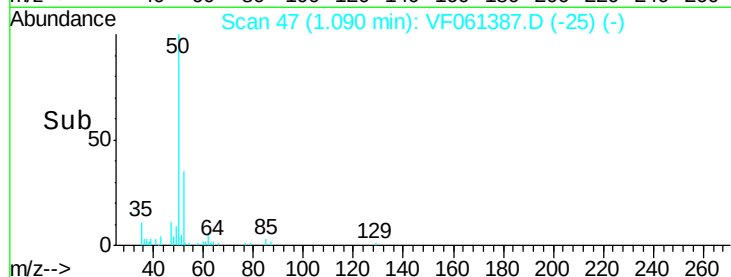
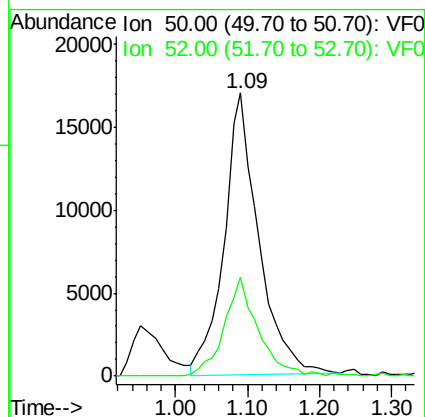
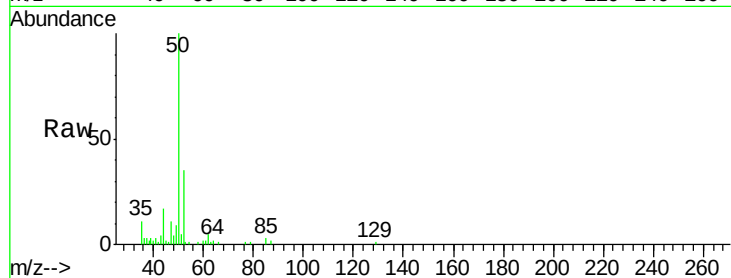
ClientSampleId :

Tot Ion: 50 Resp: 56193

Ion Ratio Lower Upper

50 100

52 35.0 28.2 42.2



#4

Vinyl Chloride

Concen: 17.515 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061387.D

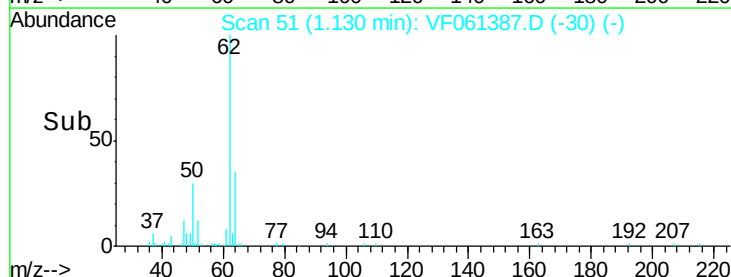
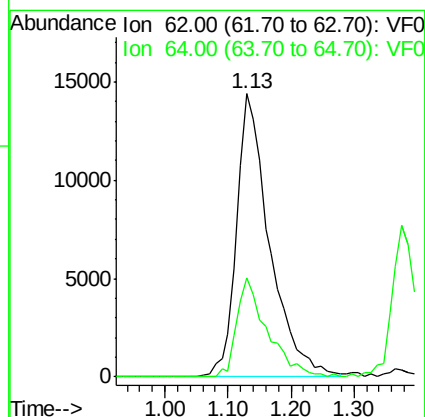
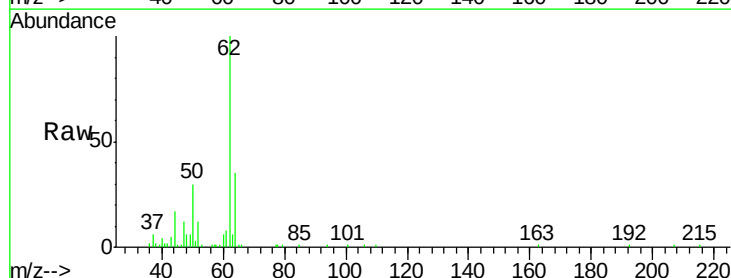
Acq: 14 Jan 2019 14:12

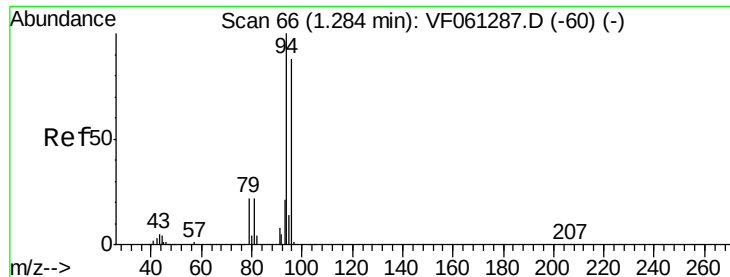
Tgt Ion: 62 Resp: 52083

Ion Ratio Lower Upper

62 100

64 35.2 25.4 38.0





#5

Bromomethane

Concen: 14.658 ug/l

RT: 1.30 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

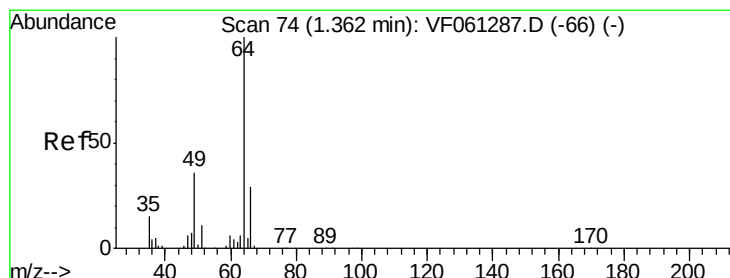
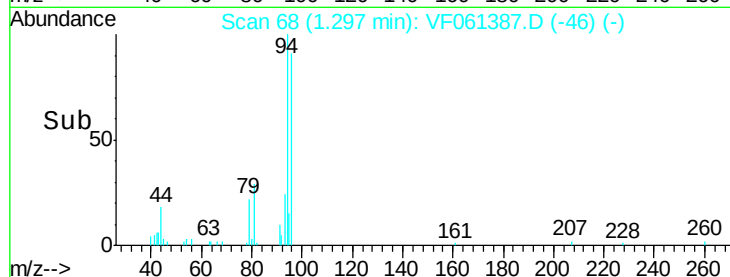
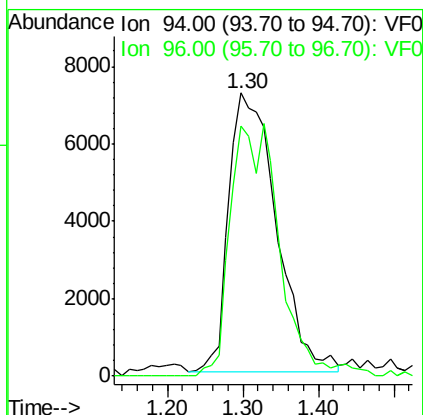
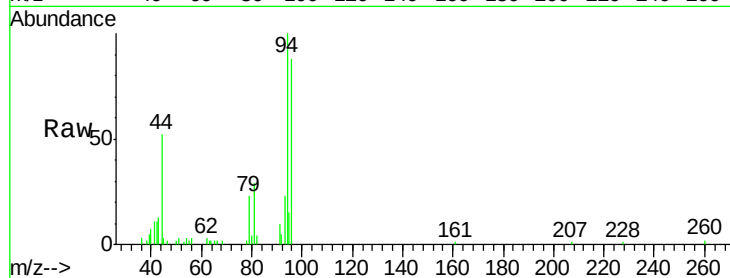
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 31597

Ion Ratio Lower Upper

94 100

96 88.3 70.2 105.4



#6

Chloroethane

Concen: 14.704 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF061387.D

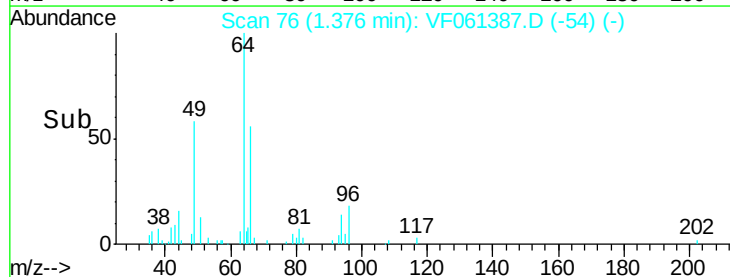
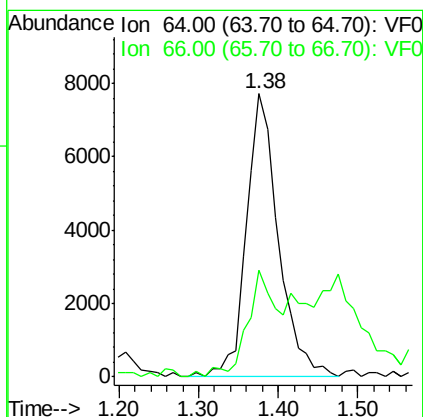
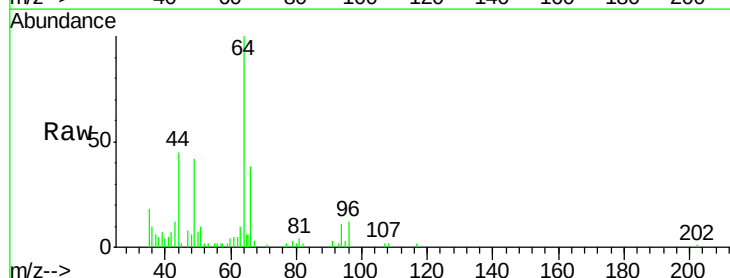
Acq: 14 Jan 2019 14:12

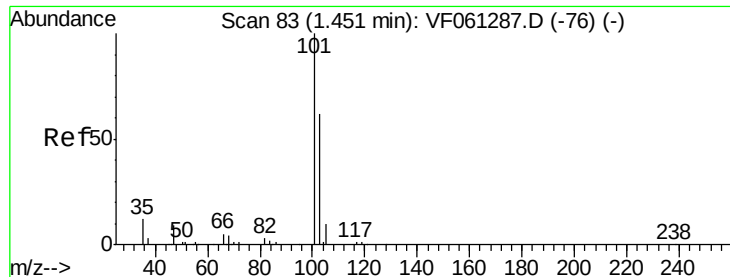
Tgt Ion: 64 Resp: 21351

Ion Ratio Lower Upper

64 100

66 37.5 23.4 35.0#





#7

Trichlorofluoromethane

Concen: 17.194 ug/l

RT: 1.47 min Scan# 85

Delta R.T. 0.01 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

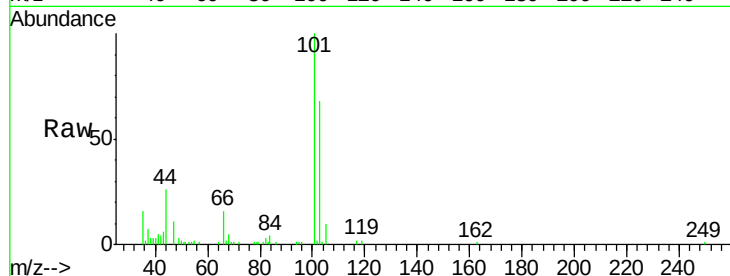
ClientSampleId :

Tot Ion:101 Resp: 86675

Ion Ratio Lower Upper

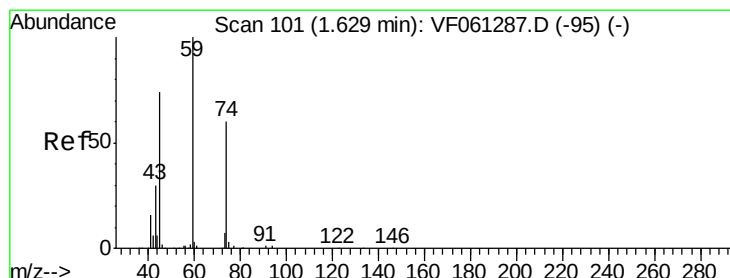
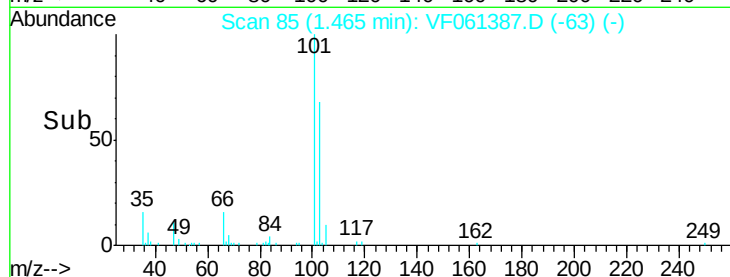
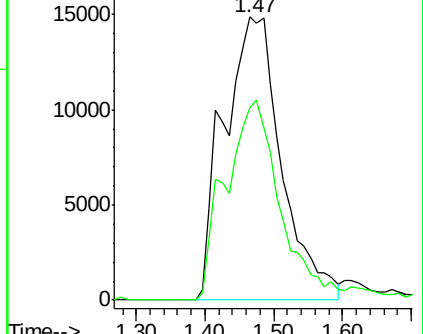
101 100

103 68.2 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: 16.748 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061387.D

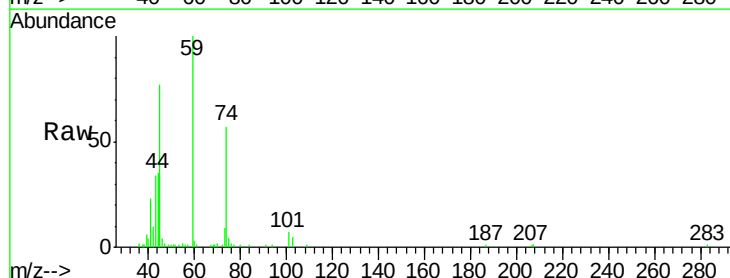
Acq: 14 Jan 2019 14:12

Tgt Ion: 74 Resp: 12397

Ion Ratio Lower Upper

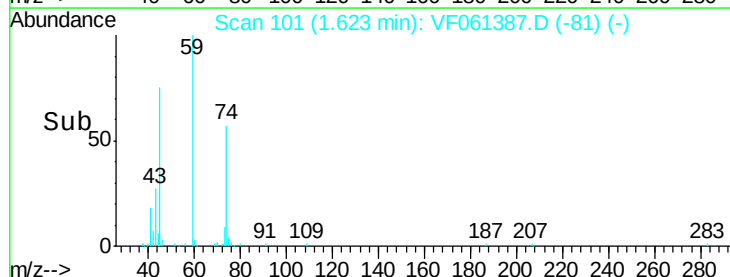
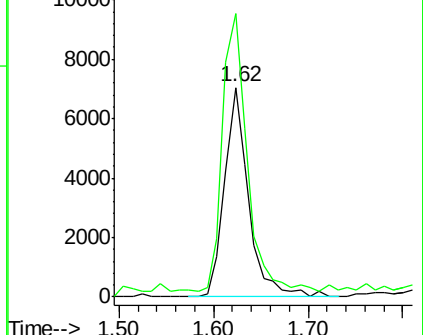
74 100

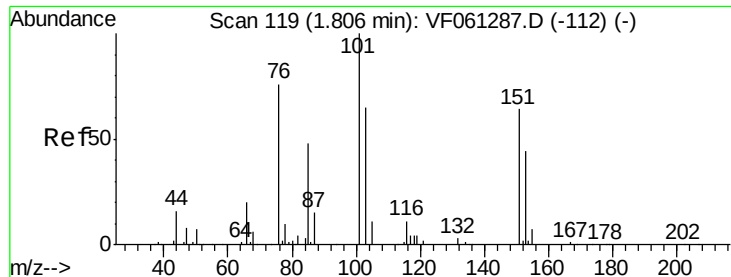
45 135.1 62.1 186.3



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: 17.721 ug/l

RT: 1.81 min Scan# 120

Delta R.T. 0.00 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

ClientSampleId :

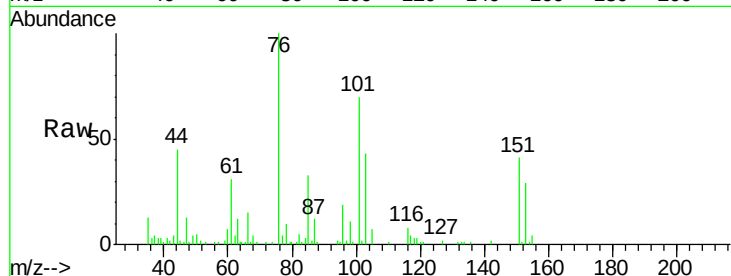
Tot Ion:101 Resp: 47169

Ion Ratio Lower Upper

101 100

85 46.3 38.4 57.6

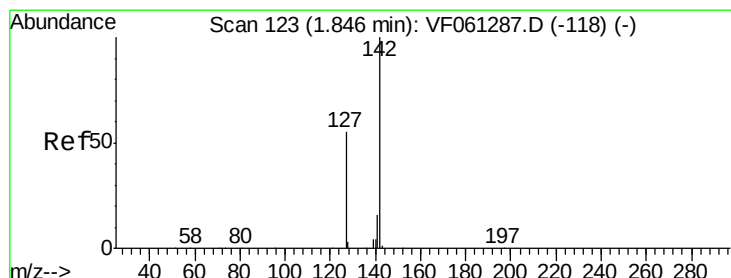
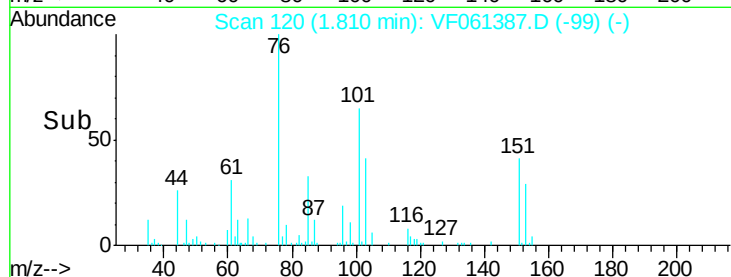
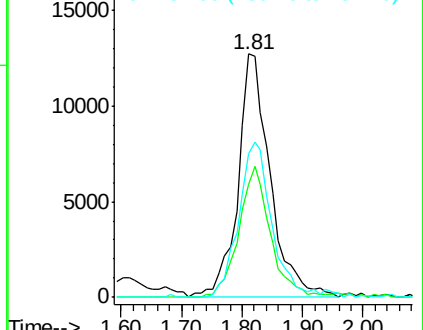
151 58.9 51.4 77.2



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: 3.882 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.01 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

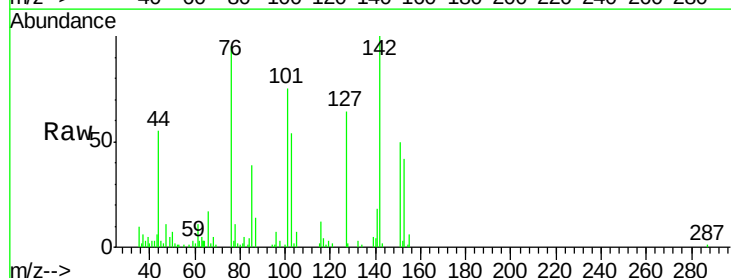
Tgt Ion:142 Resp: 16188

Ion Ratio Lower Upper

142 100

127 64.4 44.3 66.5

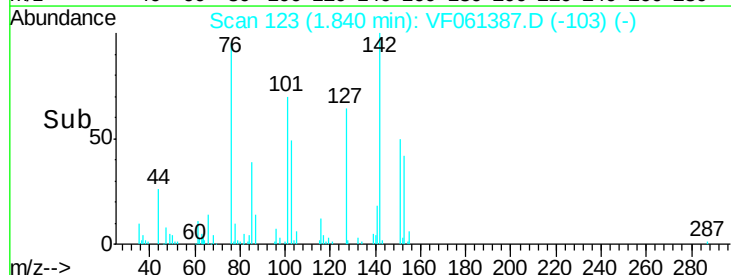
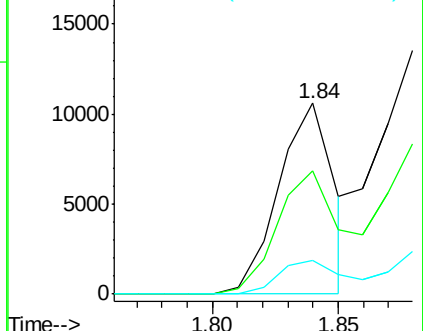
141 17.5 13.2 19.8

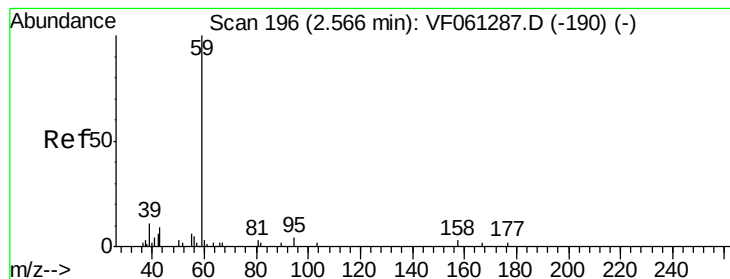


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



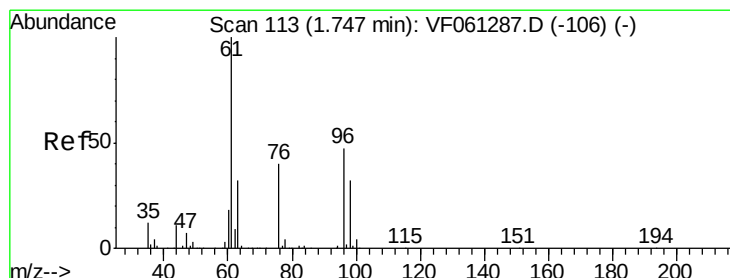
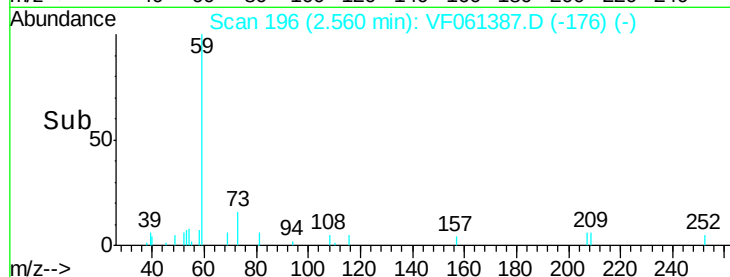
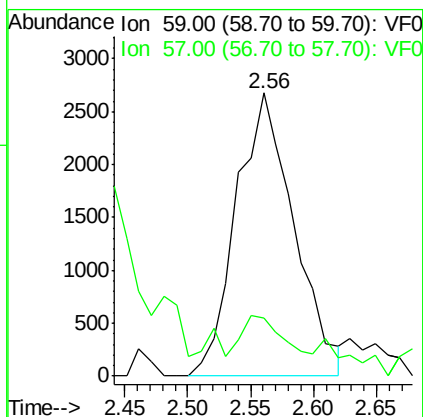
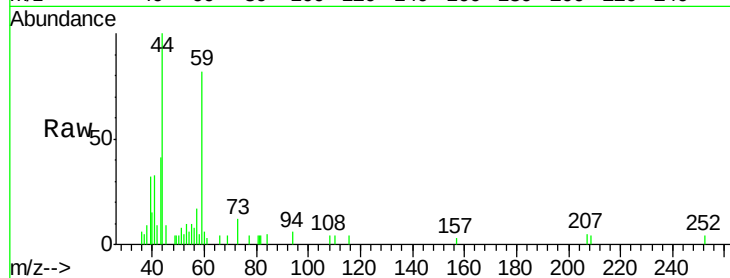


#11

Tert butyl alcohol
 Concen: 94.701 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.01 min
 Lab File: VF061387.D
 Acq: 14 Jan 2019 14:12

Instrument :
 MSVOA_F
 ClientSampleId :

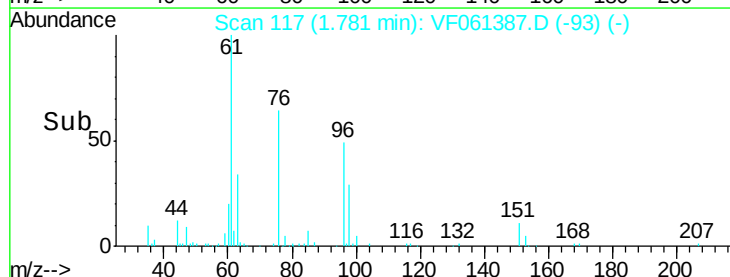
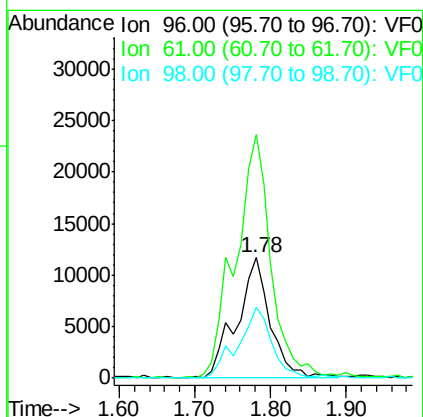
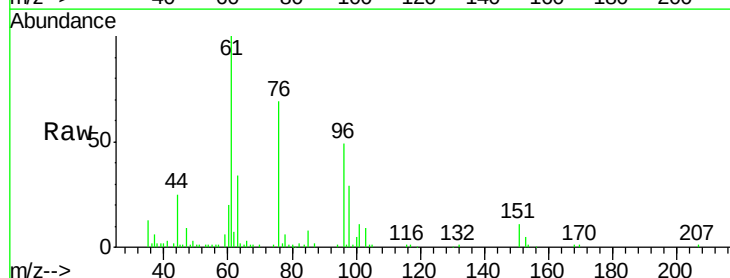
Tot Ion: 59 Resp: 8548
 Ion Ratio Lower Upper
 59 100
 57 20.7 15.1 22.7

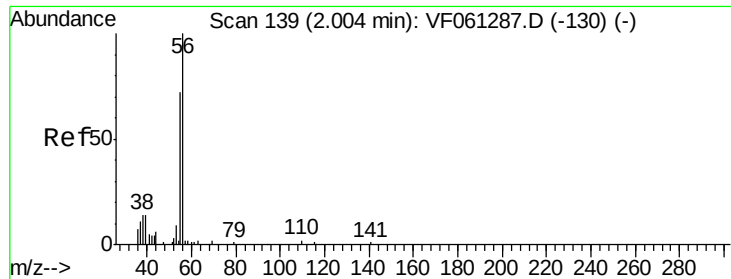


#12

1,1-Dichloroethene
 Concen: 17.092 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. 0.03 min
 Lab File: VF061387.D
 Acq: 14 Jan 2019 14:12

Tgt Ion: 96 Resp: 36379
 Ion Ratio Lower Upper
 96 100
 61 202.4 171.8 257.8
 98 59.1 54.2 81.4





#13

Acrolein

Concen: 48.866 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

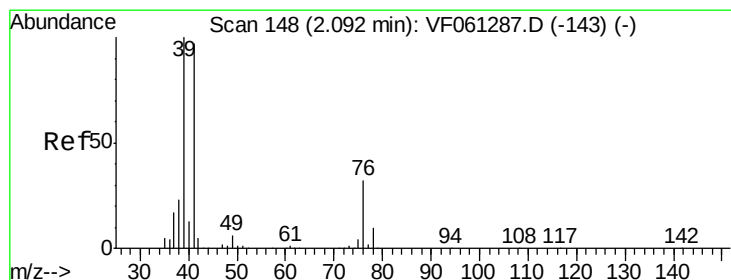
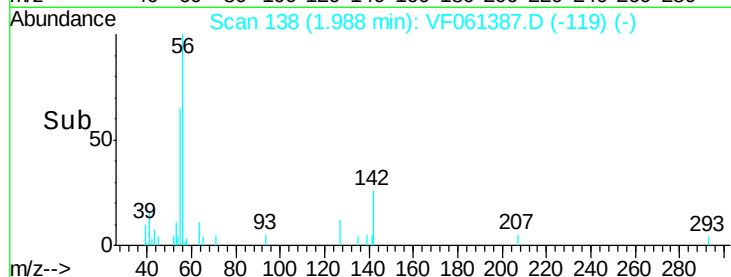
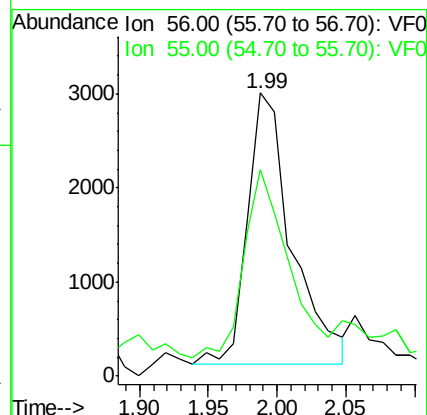
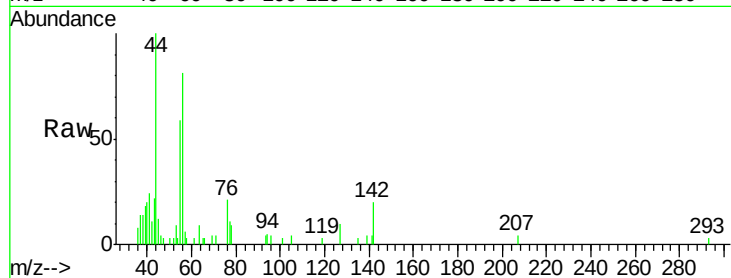
ClientSampleId :

Tot Ion: 56 Resp: 6470

Ion Ratio Lower Upper

56 100

55 73.1 59.4 89.0



#14

Allyl chloride

Concen: 15.532 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

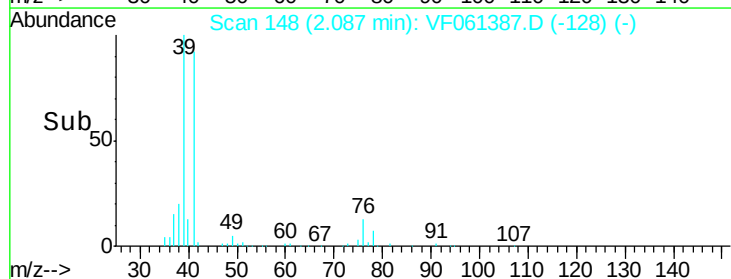
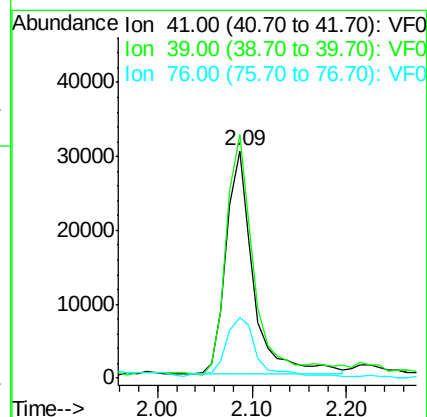
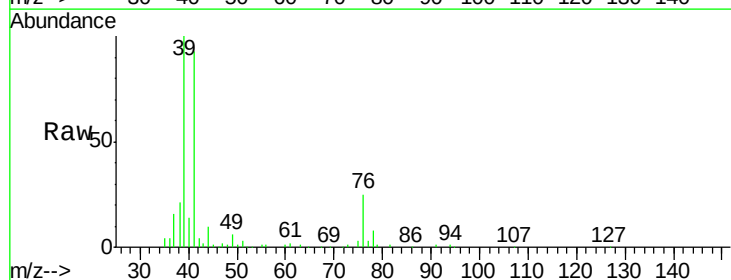
Tgt Ion: 41 Resp: 60426

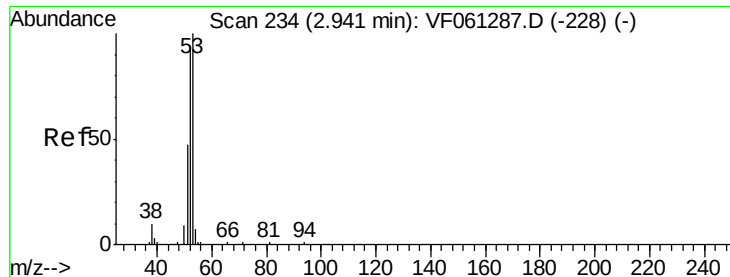
Ion Ratio Lower Upper

41 100

39 107.1 82.6 123.8

76 26.8 26.9 40.3#





#15

Acrylonitrile

Concen: 76.311 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

ClientSampleId :

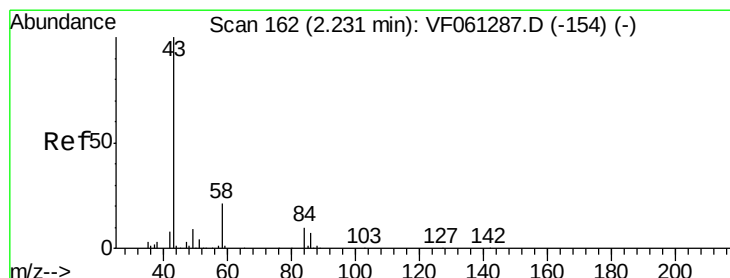
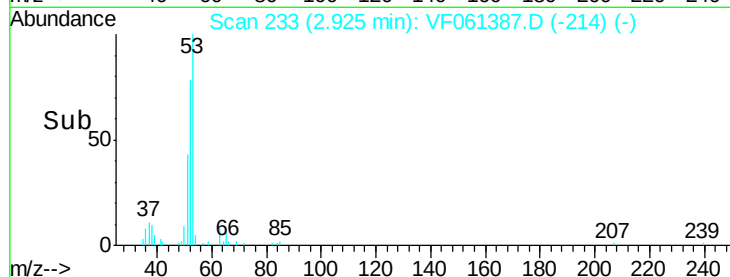
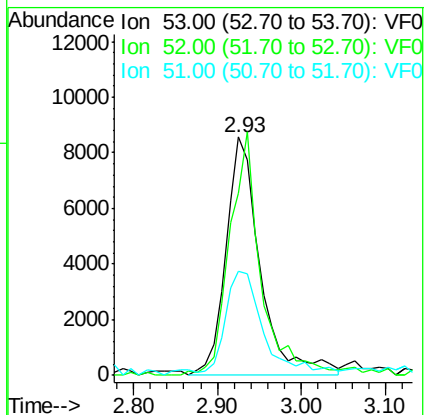
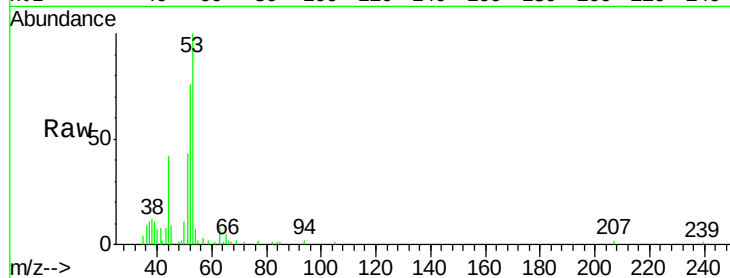
Tot Ion: 53 Resp: 24418

Ion Ratio Lower Upper

53 100

52 76.5 74.6 111.8

51 43.5 37.8 56.6



#16

Acetone

Concen: 101.528 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061387.D

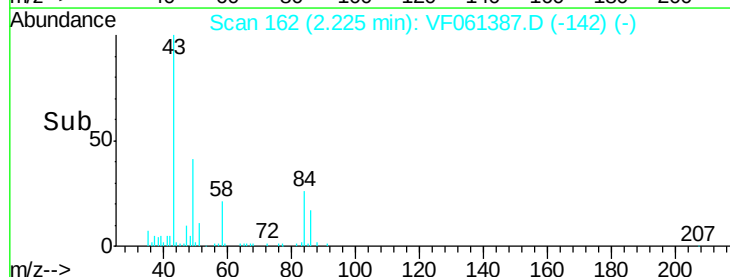
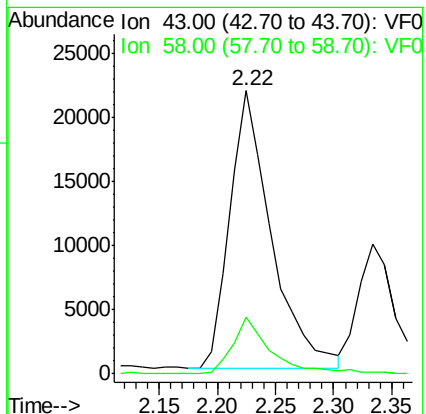
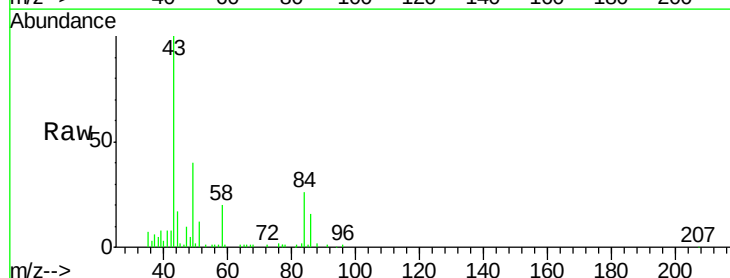
Acq: 14 Jan 2019 14:12

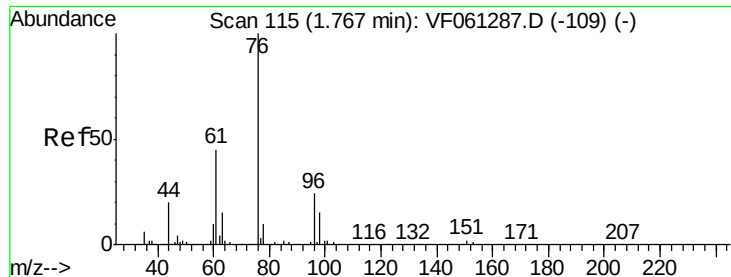
Tgt Ion: 43 Resp: 53245

Ion Ratio Lower Upper

43 100

58 20.1 16.6 25.0





#17

Carbon Disulfide

Concen: 15.193 ug/l

RT: 1.80 min Scan# 119

Delta R.T. 0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

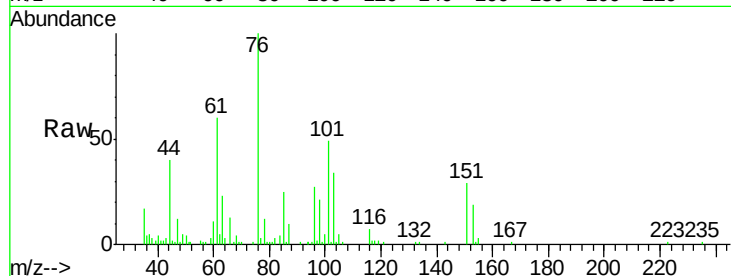
ClientSampleId :

Tot Ion: 76 Resp: 106812

Ion Ratio Lower Upper

76 100

78 11.6 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

20000

15000

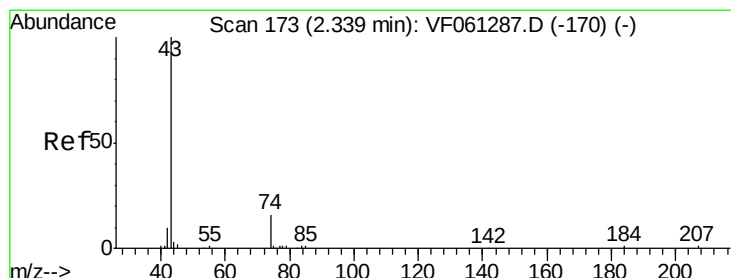
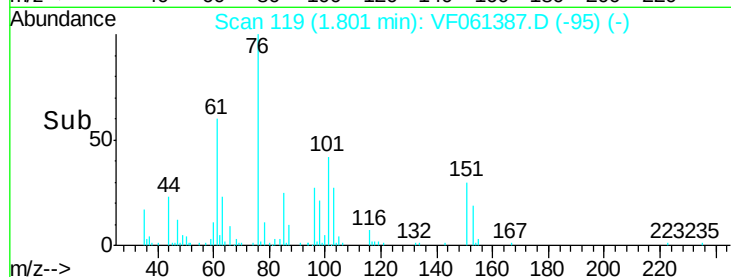
10000

5000

0

1.60 1.70 1.80 1.90 2.00

Time-->



#18

Methyl Acetate

Concen: 18.834 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF061387.D

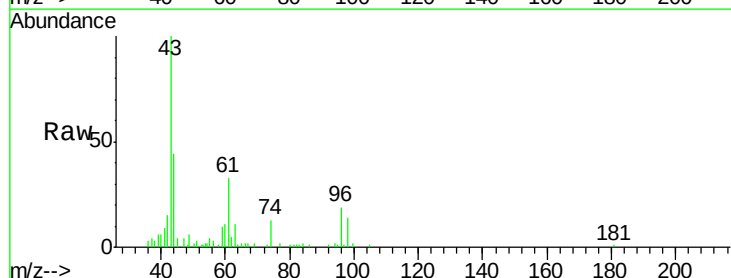
Acq: 14 Jan 2019 14:12

Tgt Ion: 43 Resp: 19433

Ion Ratio Lower Upper

43 100

74 13.2 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

12000

10000

8000

6000

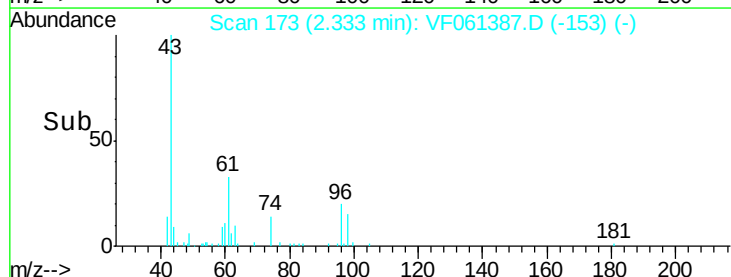
4000

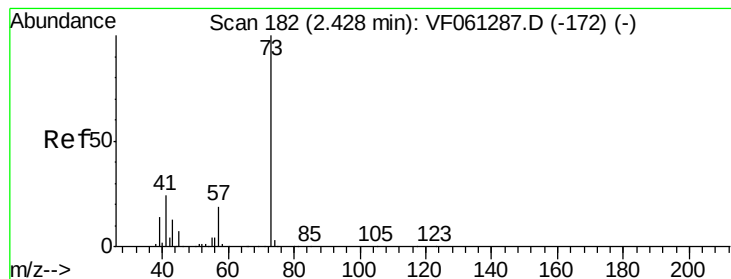
2000

0

2.30 2.35

Time-->



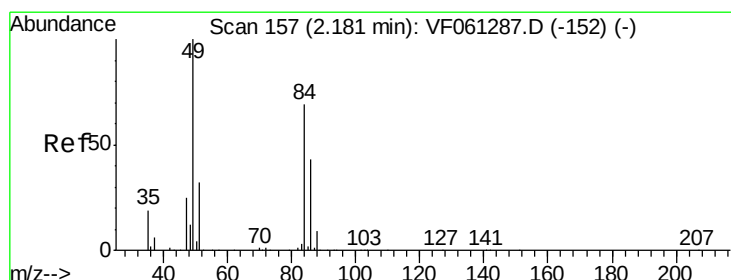
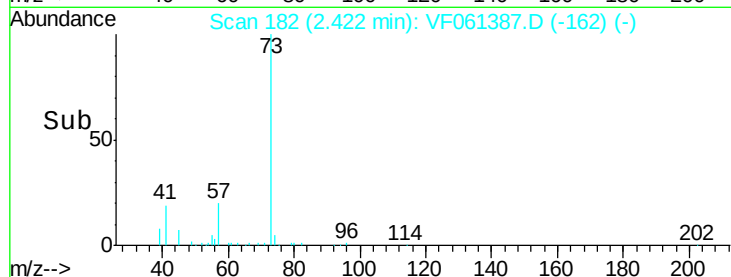
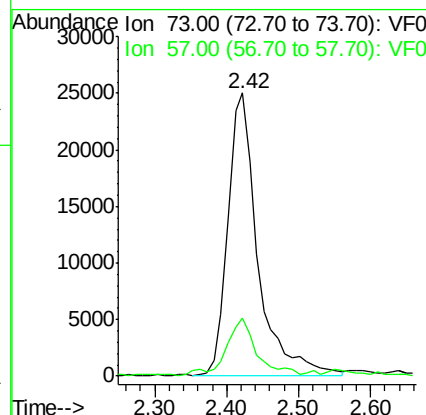
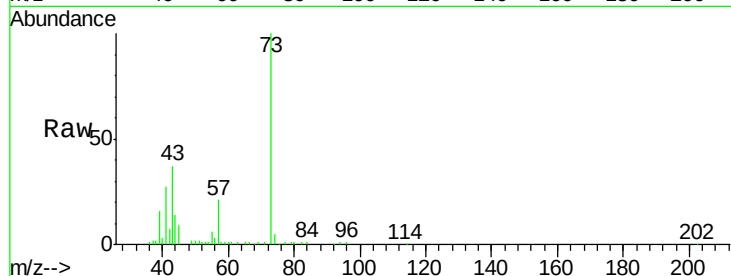


#19

Methyl tert-butyl Ether
 Concen: 17.879 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061387.D
 Acq: 14 Jan 2019 14:12

Instrument :
 MSVOA_F
 ClientSampled :

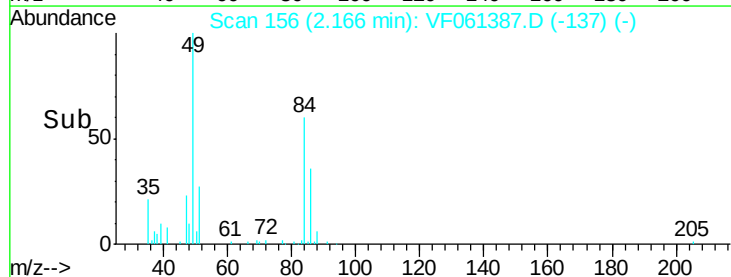
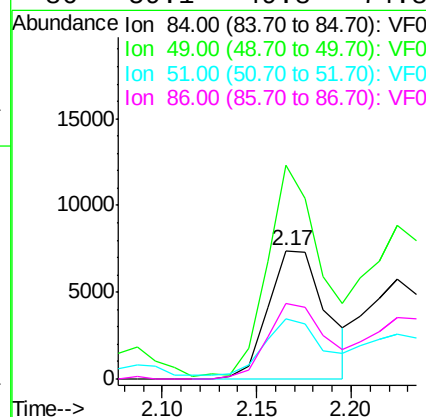
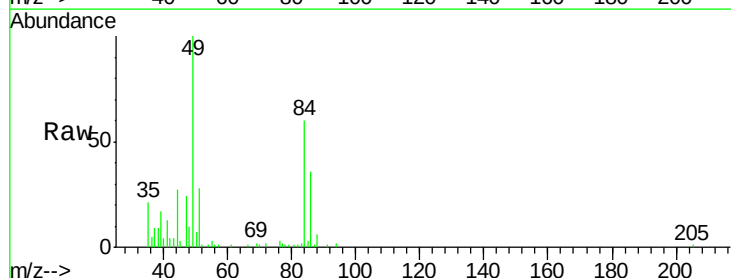
Tot Ion: 73 Resp: 72514
 Ion Ratio Lower Upper
 73 100
 57 20.7 15.5 23.3

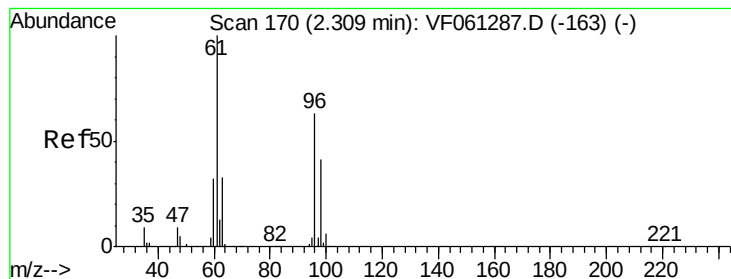


#20

Methylene Chloride
 Concen: 7.116 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VF061387.D
 Acq: 14 Jan 2019 14:12

Tgt Ion: 84 Resp: 15788
 Ion Ratio Lower Upper
 84 100
 49 166.3 116.6 175.0
 51 46.9 37.7 56.5
 86 59.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 16.724 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :
MSVOA_F
ClientSampleId :

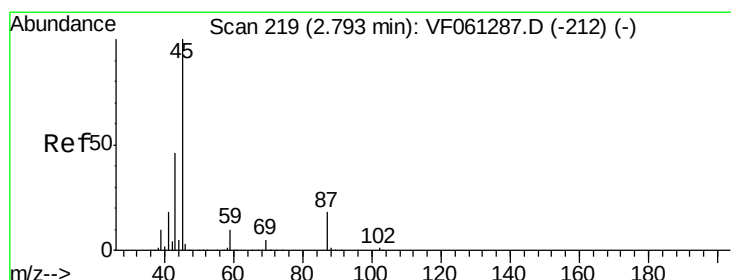
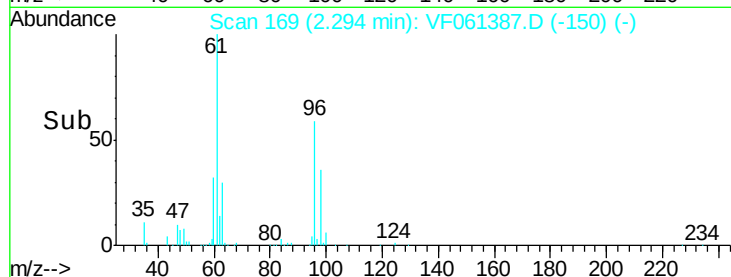
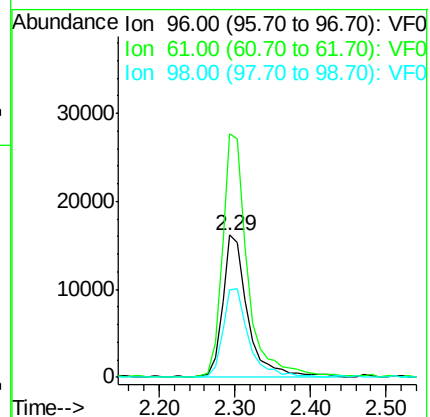
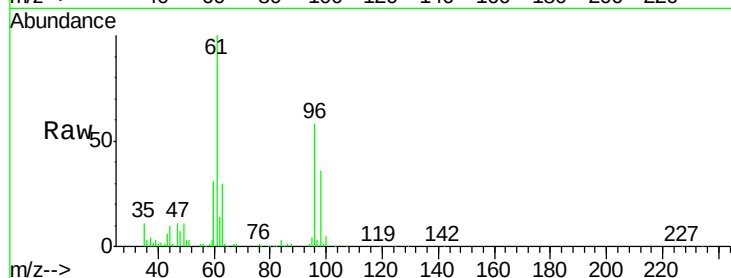
Tot Ion: 96 Resp: 37719

Ion Ratio Lower Upper

96 100

61 171.5 127.0 190.4

98 61.2 51.7 77.5



#22

Diisopropyl ether

Concen: 16.317 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Tgt Ion: 45 Resp: 122808

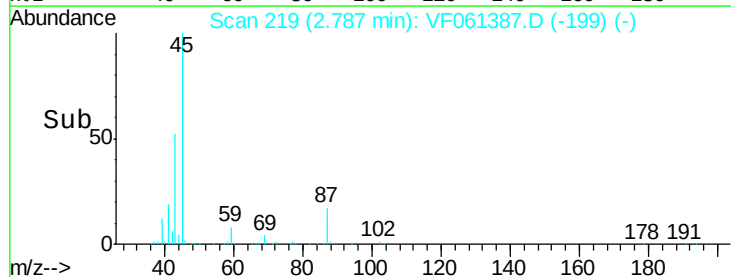
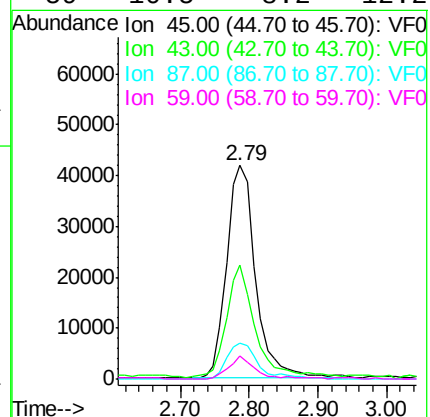
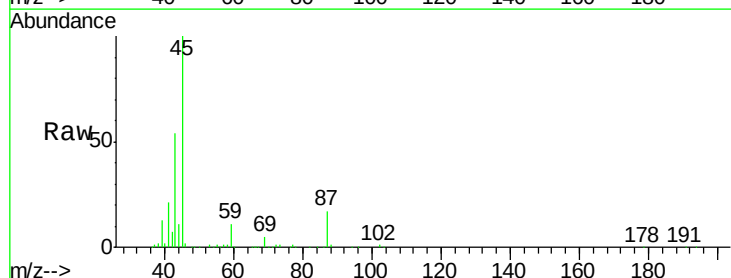
Ion Ratio Lower Upper

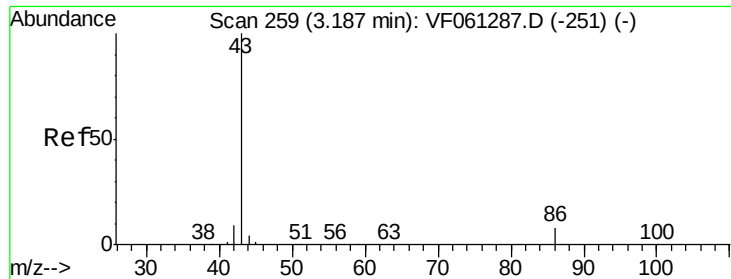
45 100

43 53.6 37.4 56.2

87 16.8 14.2 21.2

59 10.5 8.2 12.2





#23

Vinyl Acetate

Concen: 126.796 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

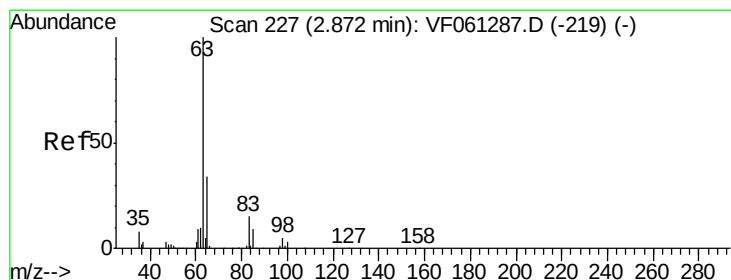
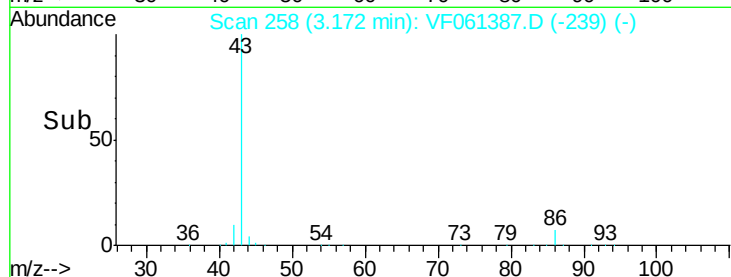
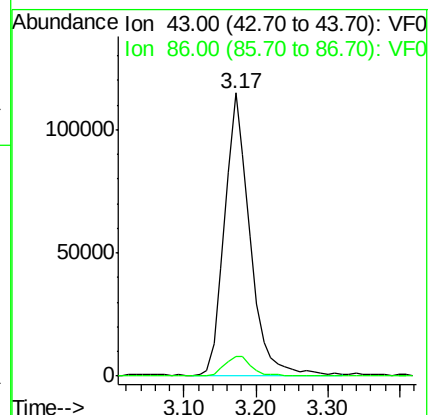
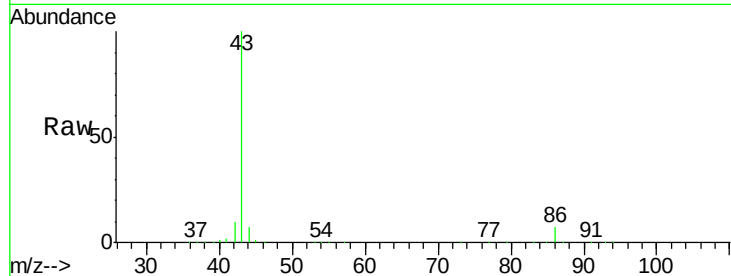
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 279095

Ion Ratio Lower Upper

43 100

86 7.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 17.208 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

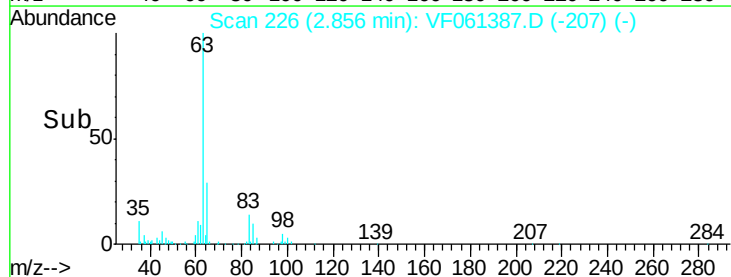
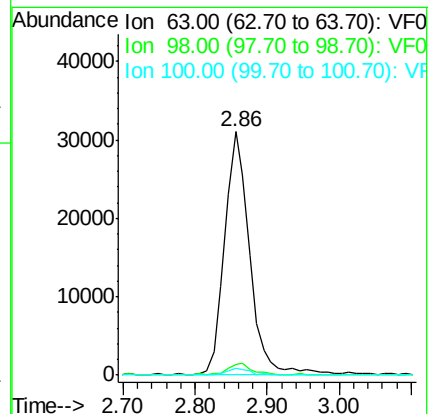
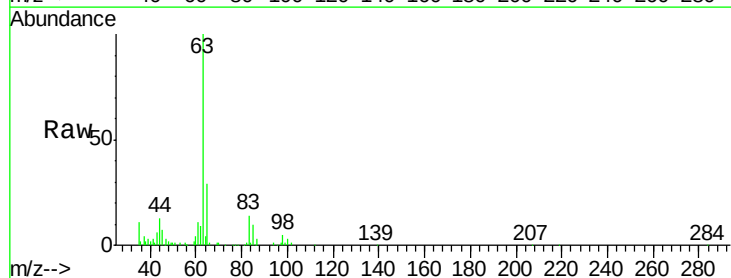
Tgt Ion: 63 Resp: 74920

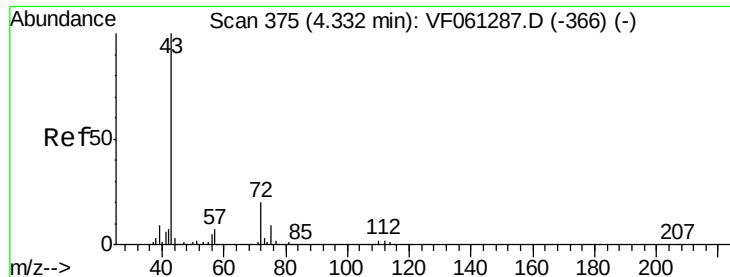
Ion Ratio Lower Upper

63 100

98 4.6 2.5 7.6

100 2.6 1.7 5.0





#25

2-Butanone

Concen: 107.249 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

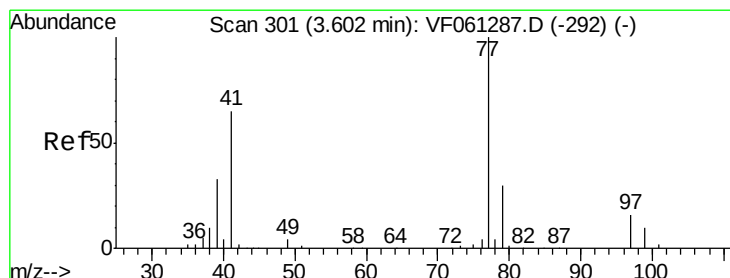
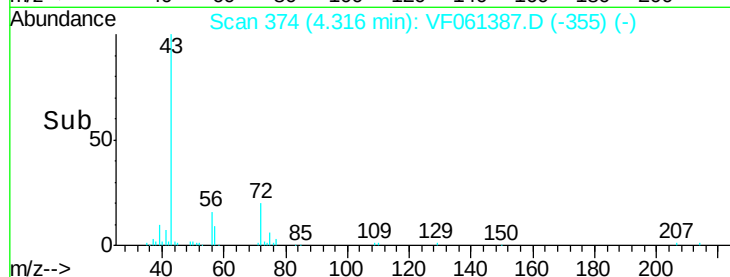
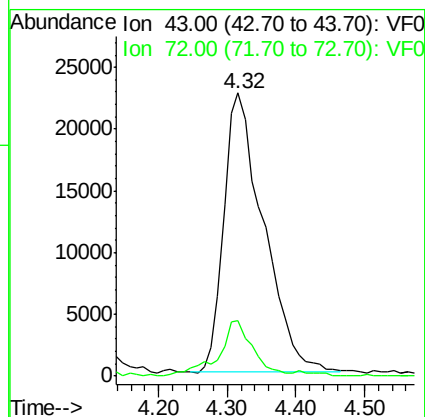
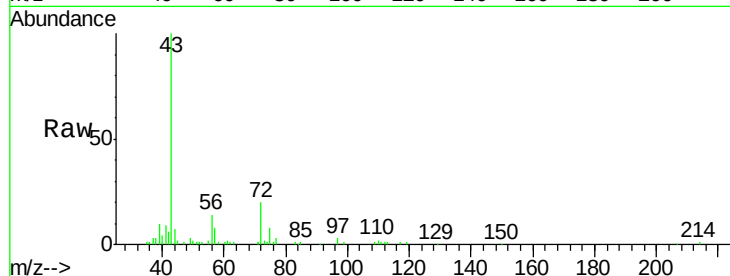
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 90526

Ion Ratio Lower Upper

43 100

72 19.6 16.5 24.7



#26

2,2-Dichloropropane

Concen: 17.154 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.02 min

Lab File: VF061387.D

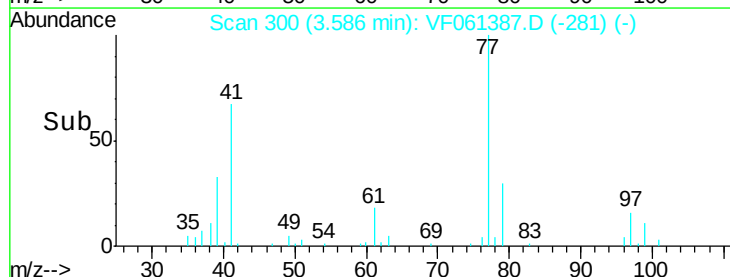
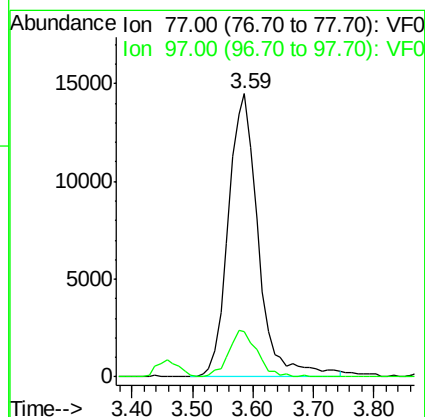
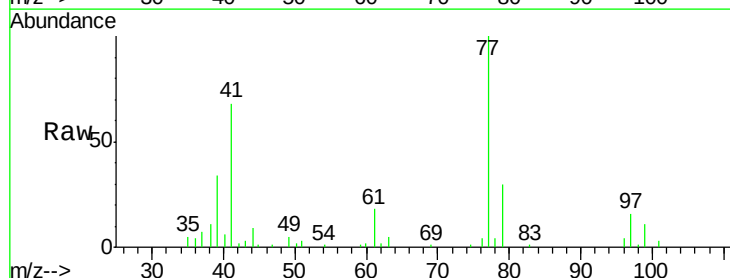
Acq: 14 Jan 2019 14:12

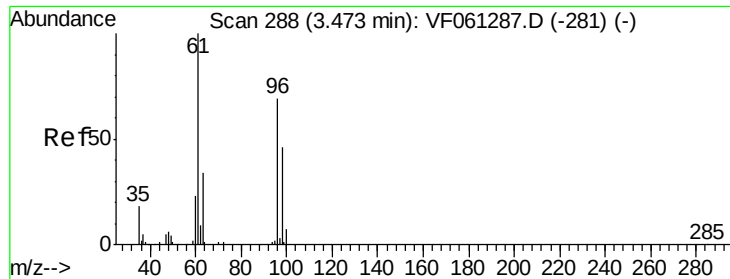
Tgt Ion: 77 Resp: 49909

Ion Ratio Lower Upper

77 100

97 16.1 8.6 25.9



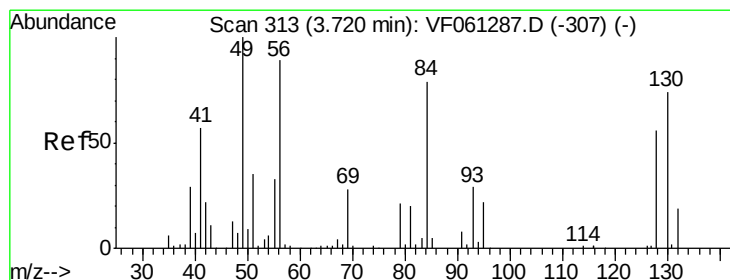
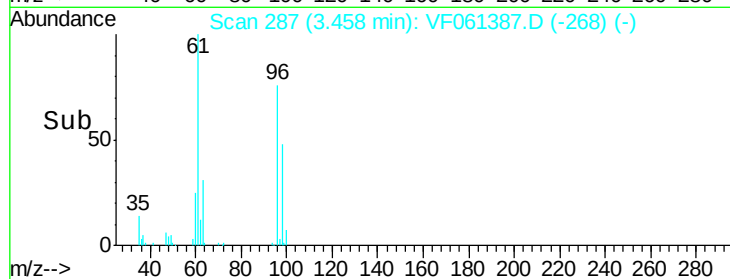
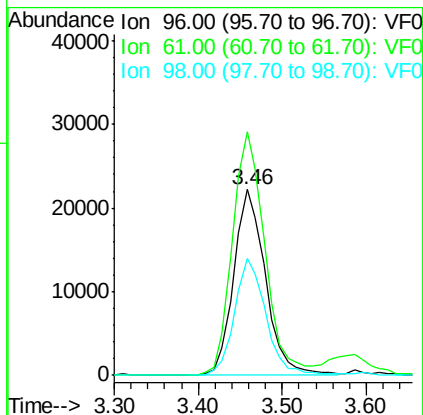
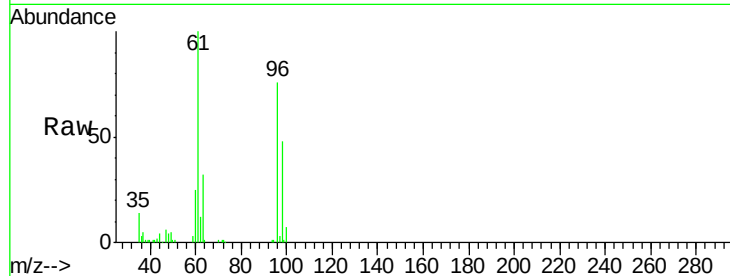


#27

cis-1,2-Dichloroethene
Concen: 18.622 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.02 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Instrument :
MSVOA_F
ClientSampleId :

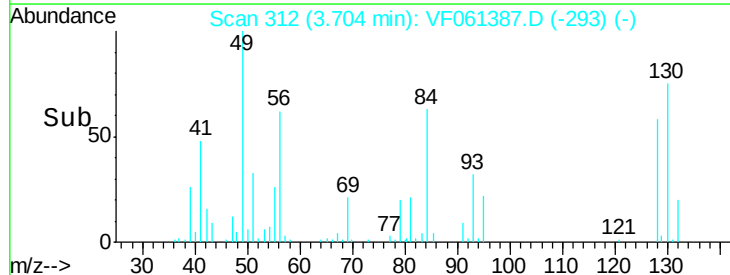
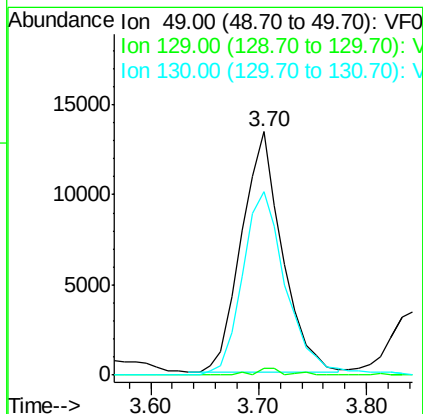
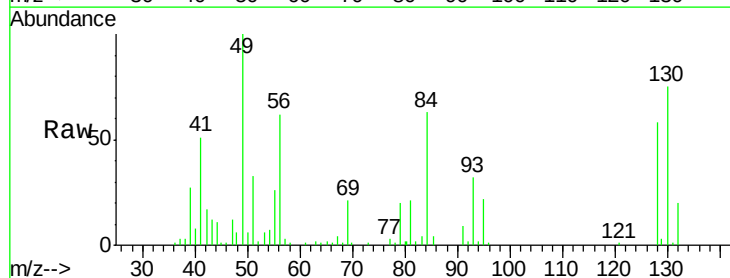
Tot Ion: 96 Resp: 58640
Ion Ratio Lower Upper
96 100
61 131.1 0.0 288.2
98 62.6 0.0 132.2

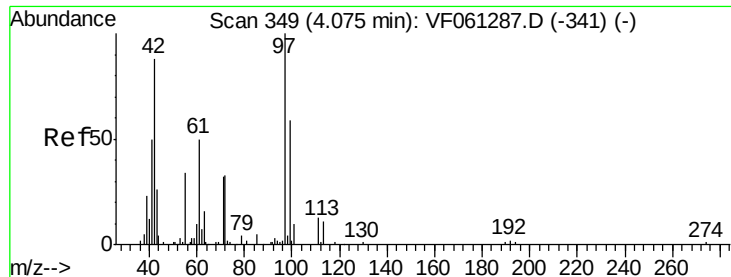


#28

Bromochloromethane
Concen: 18.391 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.02 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Tgt Ion: 49 Resp: 35304
Ion Ratio Lower Upper
49 100
129 2.7 0.0 0.0#
130 75.2 58.6 88.0

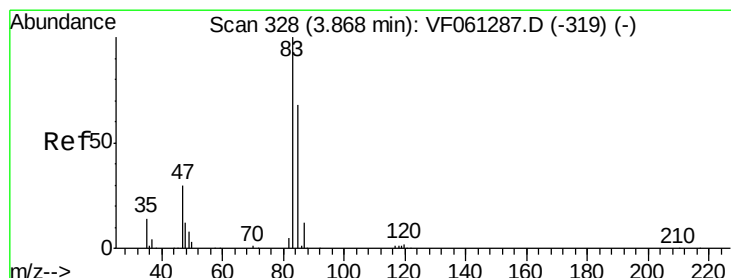
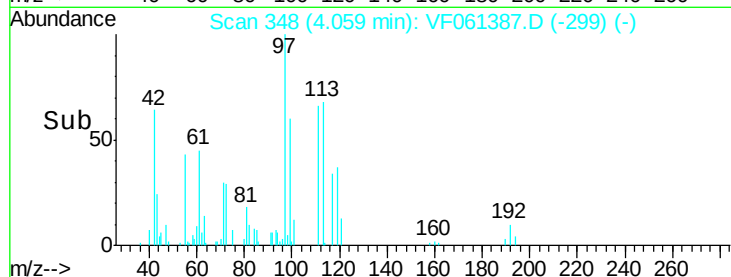
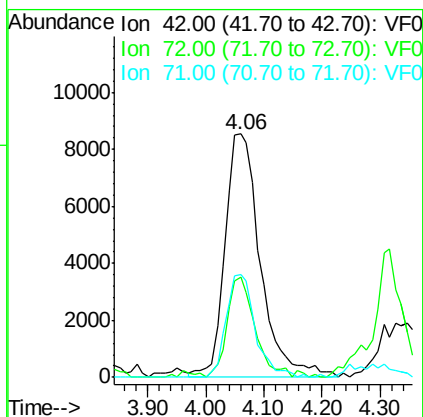
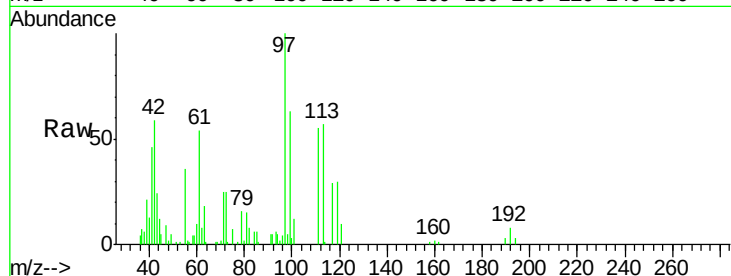




#29
Tetrahydrofuran
Concen: 102.319 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.02 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

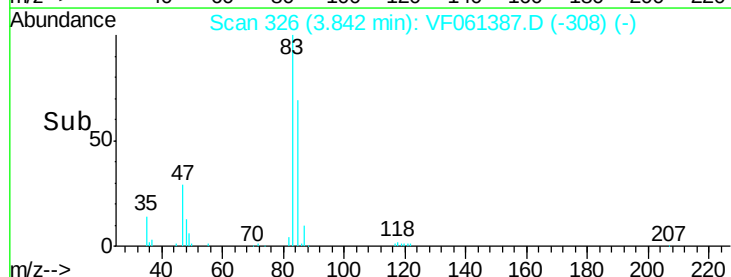
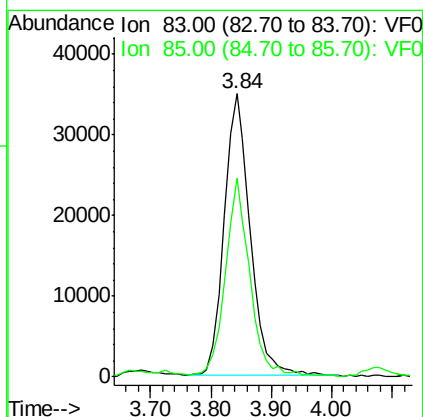
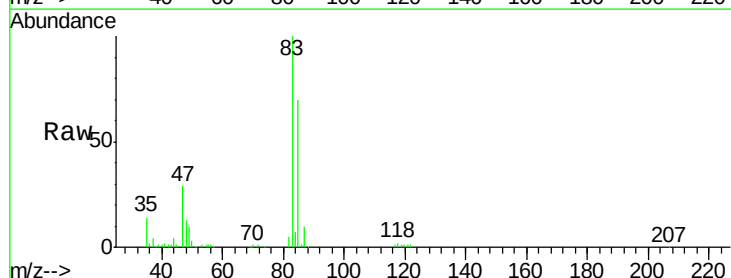
Instrument :
MSVOA_F
ClientSampled :

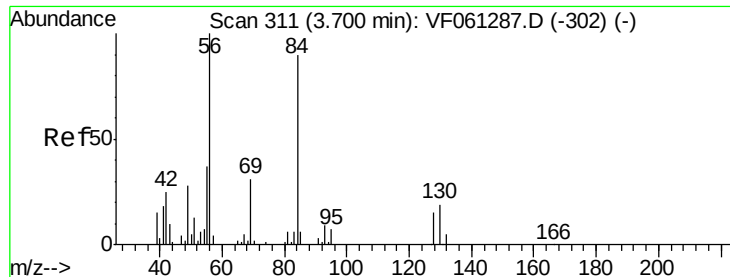
Tot Ion: 42 Resp: 36110
Ion Ratio Lower Upper
42 100
72 33.0 32.3 48.5
71 34.7 29.5 44.3



#30
Chloroform
Concen: 18.809 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.03 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Tgt Ion: 83 Resp: 103957
Ion Ratio Lower Upper
83 100
85 70.3 54.4 81.6

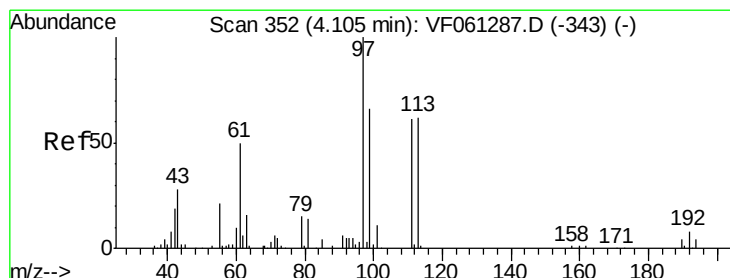
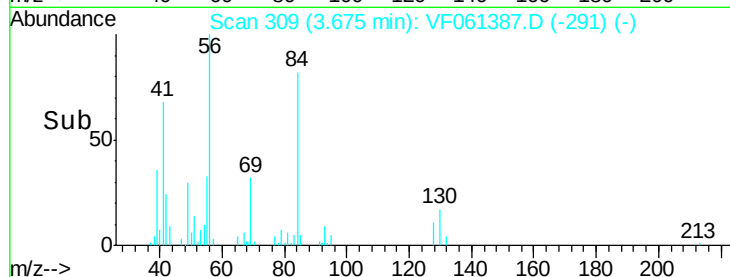
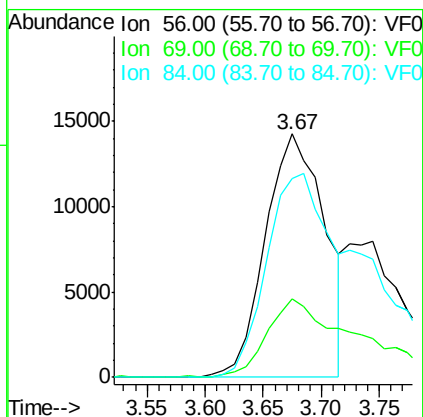
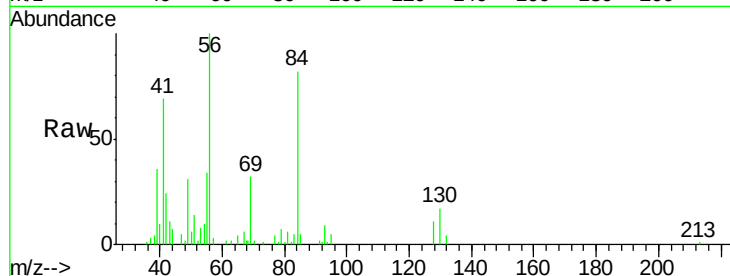




#31
Cyclohexane
Concen: 11.110 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.03 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

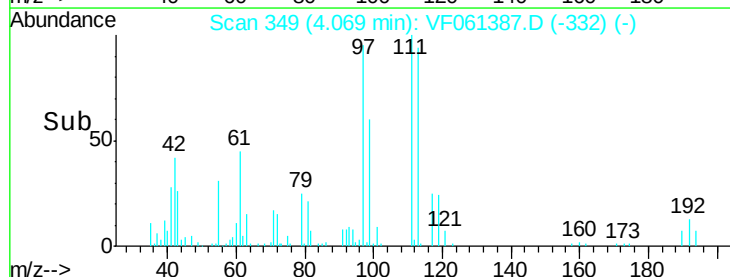
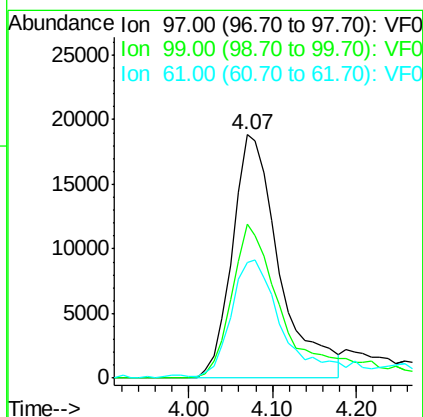
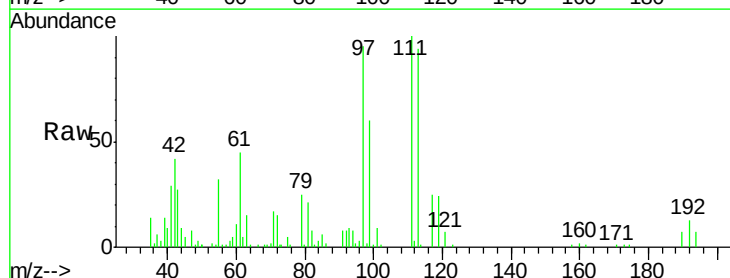
Instrument :
MSVOA_F
ClientSampleId :

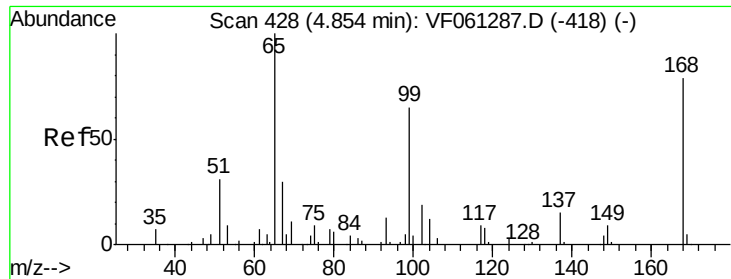
Tot Ion: 56 Resp: 50747
Ion Ratio Lower Upper
56 100
69 32.1 24.7 37.1
84 81.8 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 16.538 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.04 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Tgt Ion: 97 Resp: 73831
Ion Ratio Lower Upper
97 100
99 63.5 52.7 79.1
61 47.7 40.8 61.2





#33

1,2-Dichloroethane-d4

Concen: 53.067 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

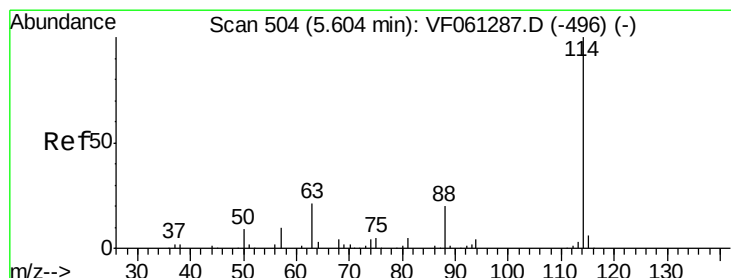
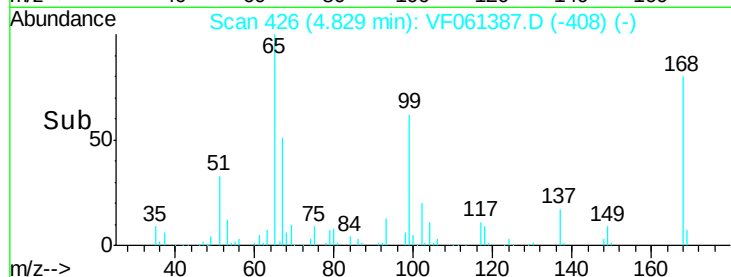
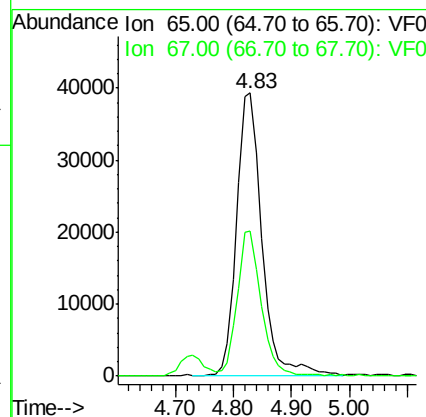
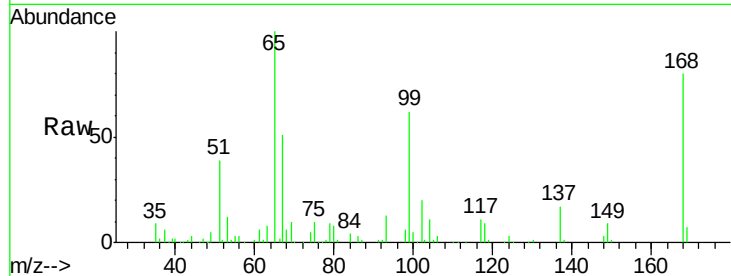
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 119637

Ion Ratio Lower Upper

65 100

67 51.4 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

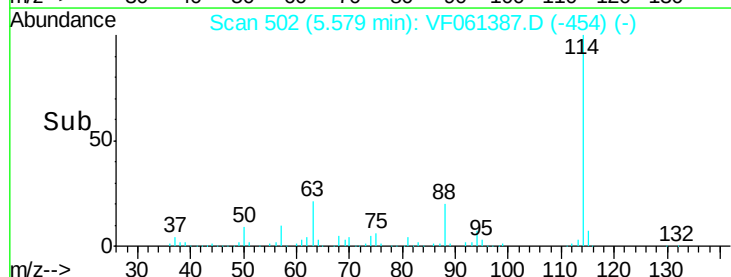
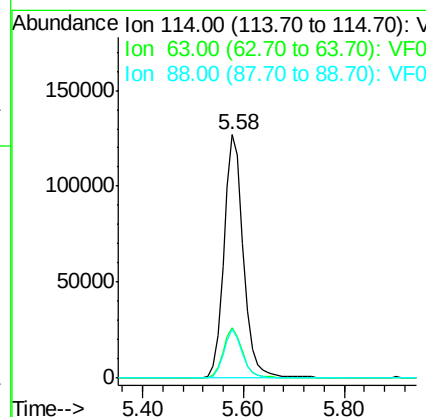
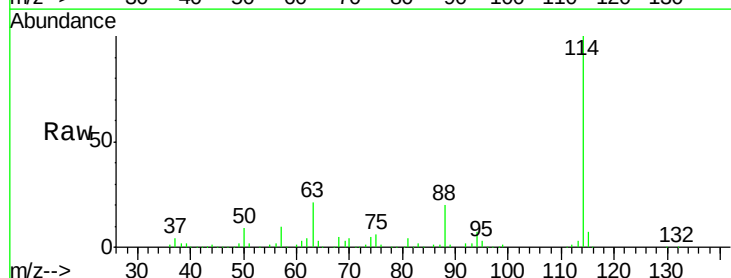
Tgt Ion: 114 Resp: 341121

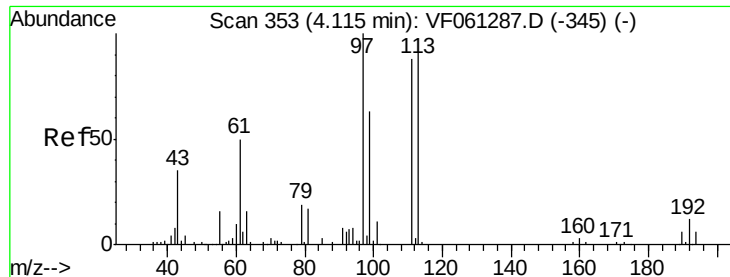
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

88 20.0 0.0 40.0





#35

Dibromofluoromethane

Concen: 49.922 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :
MSVOA_F
ClientSampled :

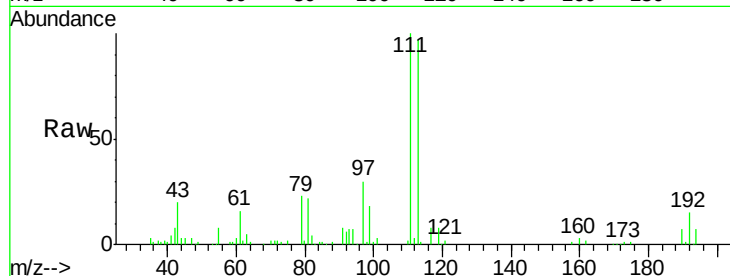
Tot Ion:113 Resp: 130304

Ion Ratio Lower Upper

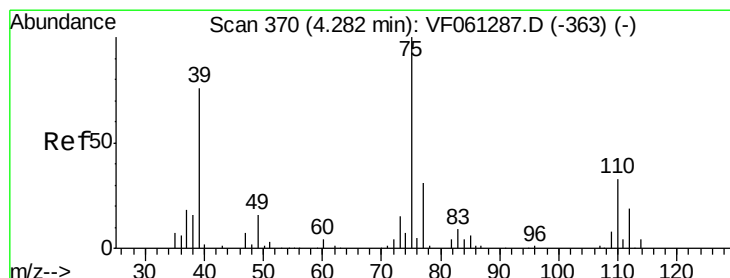
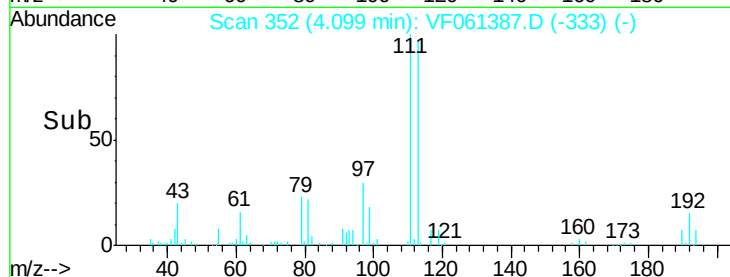
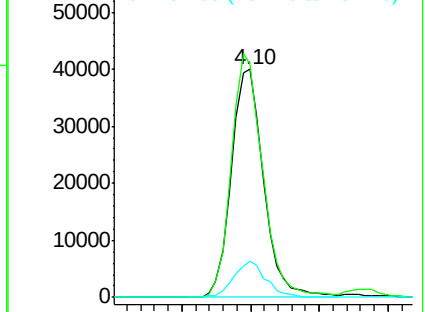
113 100

111 102.6 78.0 117.0

192 15.8 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: 19.181 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

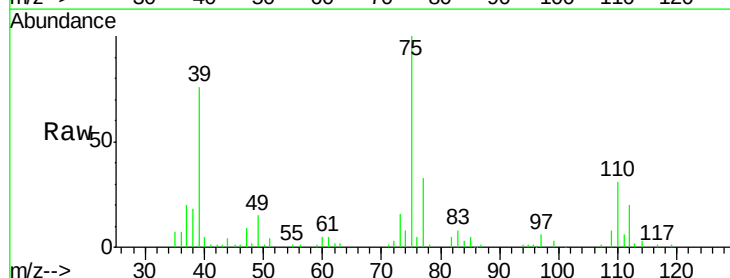
Tgt Ion: 75 Resp: 76408

Ion Ratio Lower Upper

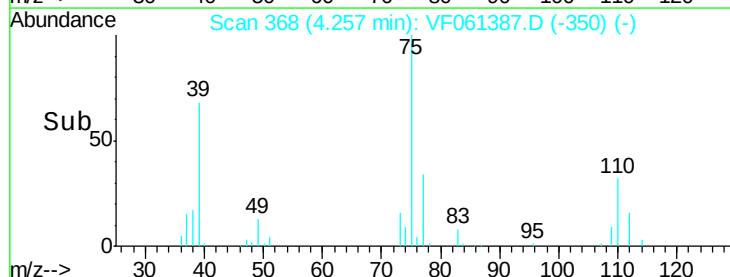
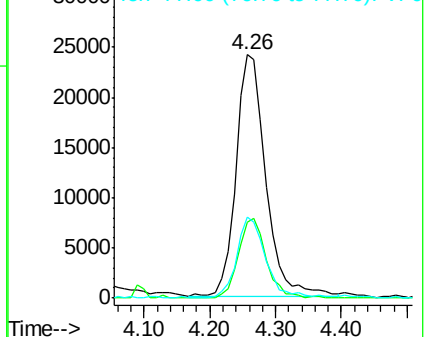
75 100

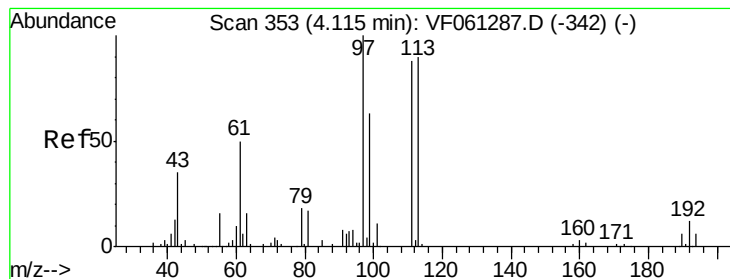
110 31.0 16.6 49.8

77 33.5 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: 22.774 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

ClientSampleId :

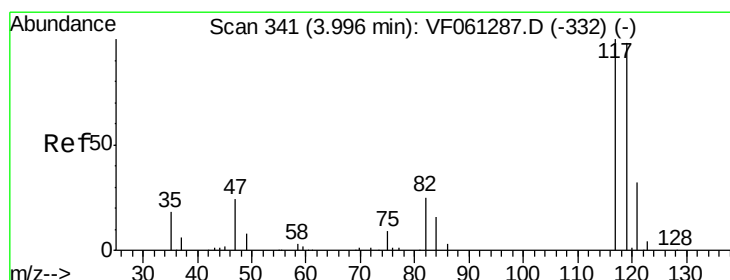
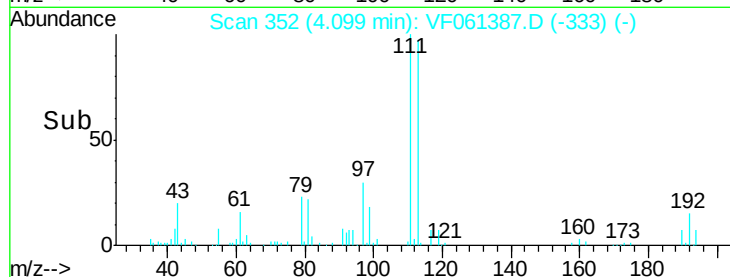
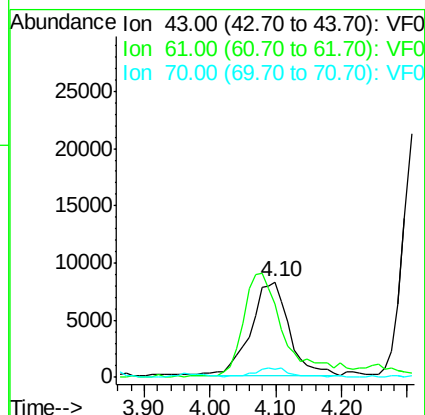
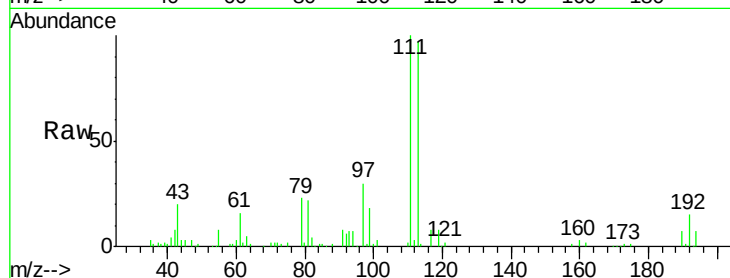
Tot Ion: 43 Resp: 33037

Ion Ratio Lower Upper

43 100

61 77.3 113.3 169.9#

70 8.6 9.4 14.0#



#38

Carbon Tetrachloride

Concen: 17.962 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

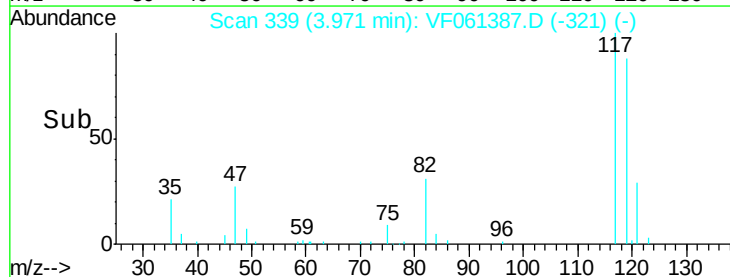
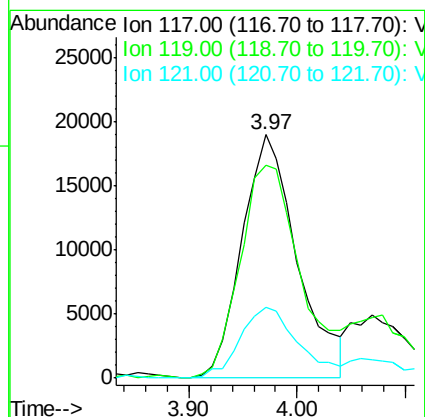
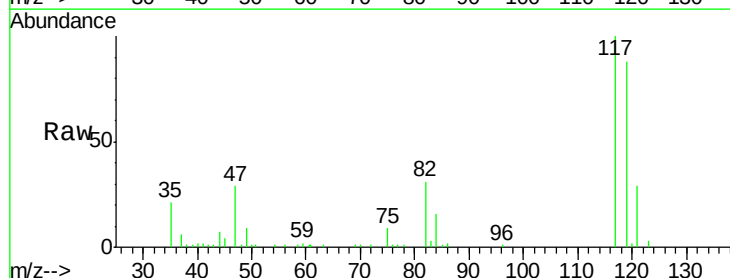
Tgt Ion: 117 Resp: 67765

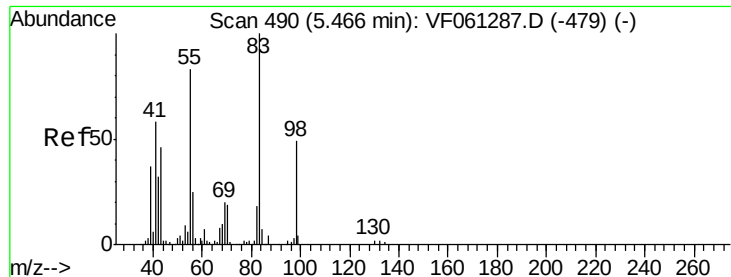
Ion Ratio Lower Upper

117 100

119 87.6 78.5 117.7

121 29.0 25.3 37.9

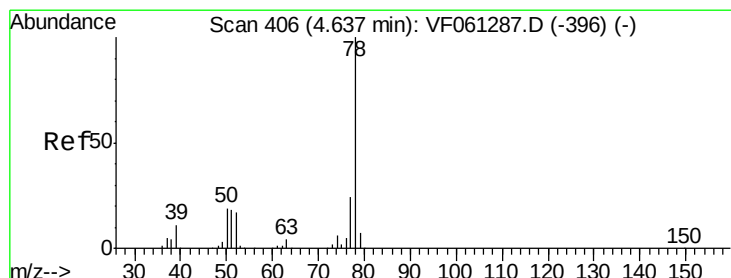
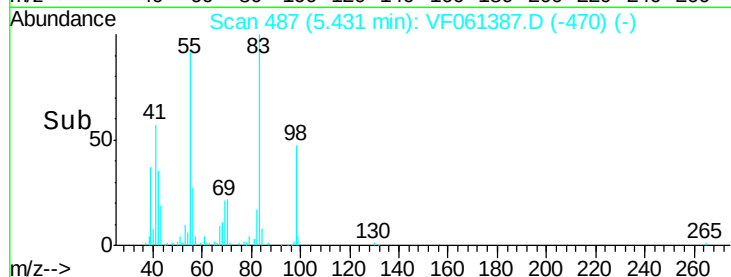
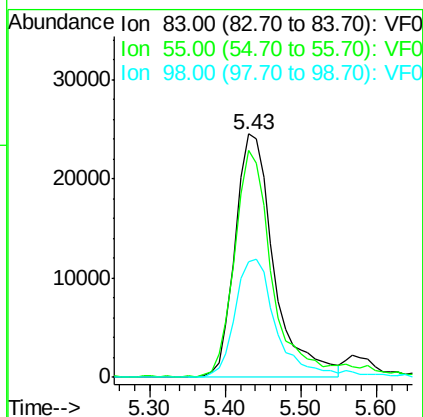
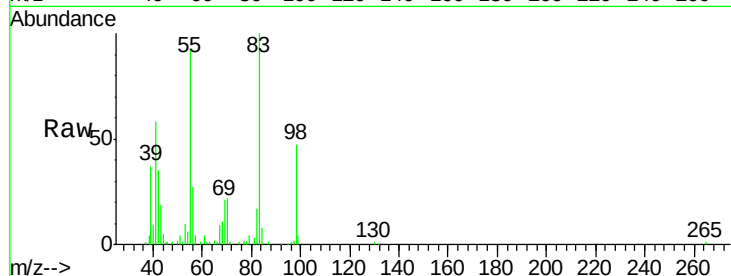




#39
Methylvlcyclohexane
Concen: 17.576 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.04 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

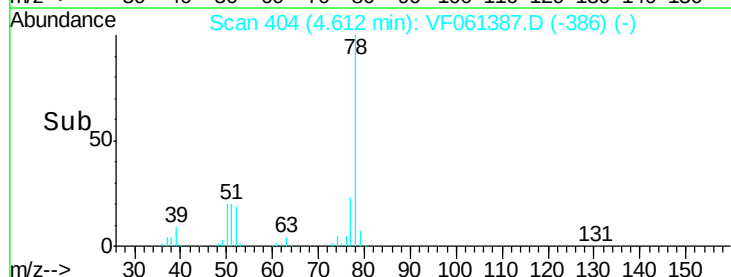
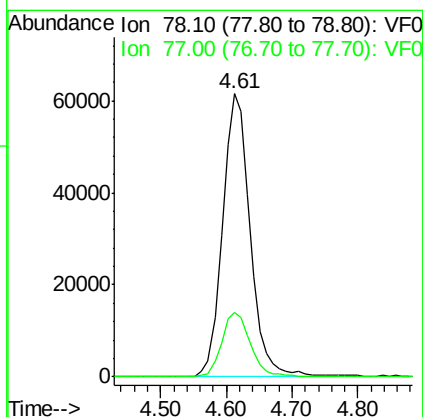
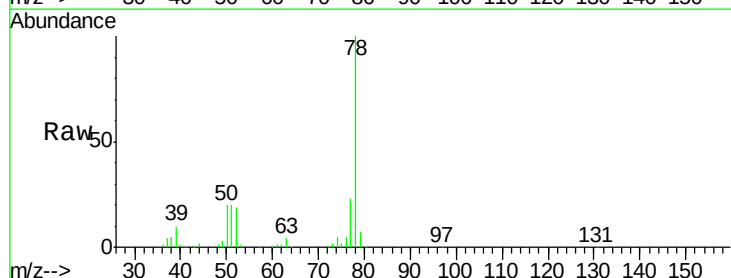
Instrument :
MSVOA_F
ClientSampleId :

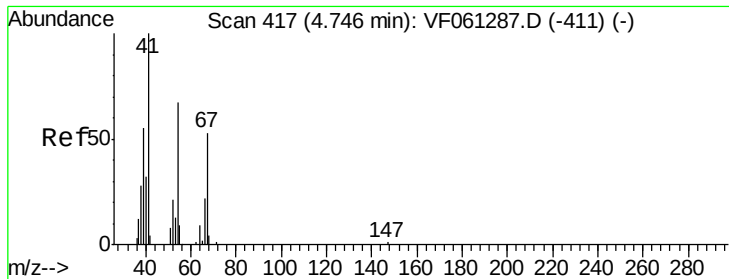
Tot Ion: 83 Resp: 87604
Ion Ratio Lower Upper
83 100
55 93.2 66.4 99.6
98 47.3 39.1 58.7



#40
Benzene
Concen: 19.405 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.03 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Tgt Ion: 78 Resp: 180466
Ion Ratio Lower Upper
78 100
77 22.8 19.1 28.7





#41

Methacrylonitrile

Concen: 21.730 ug/l

RT: 4.72 min Scan# 415

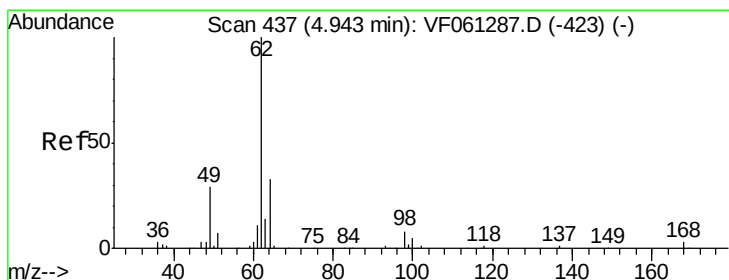
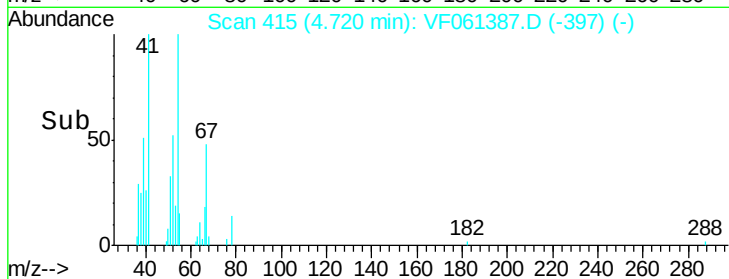
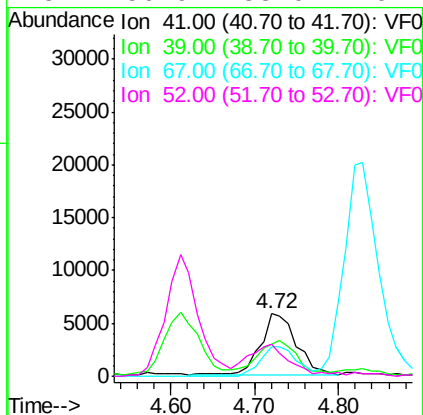
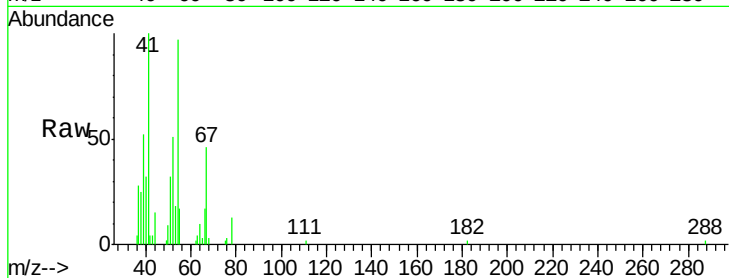
Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	17603
Ion	Ratio	Lower	Upper
41	100		
39	52.2	52.7	79.1#
67	46.3	41.4	62.2
52	50.9	33.0	49.4#



#42

1,2-Dichloroethane

Concen: 20.393 ug/l

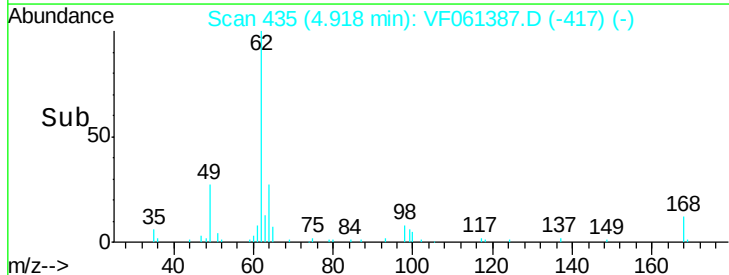
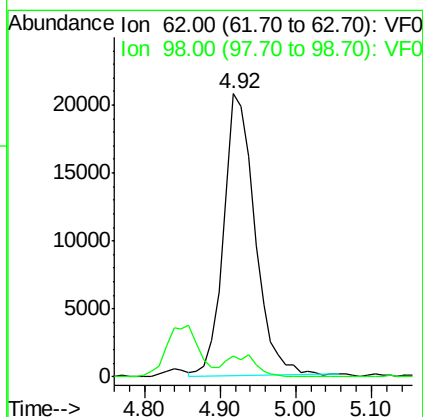
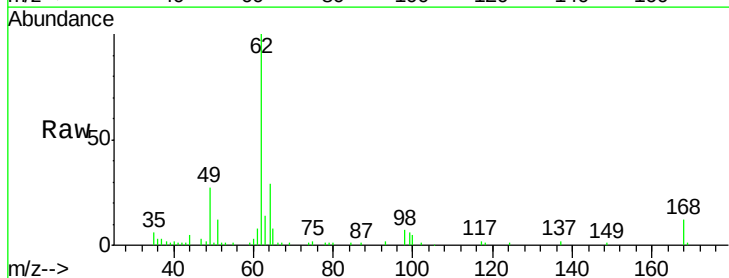
RT: 4.92 min Scan# 435

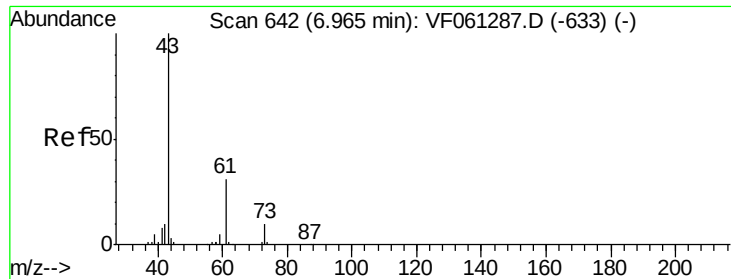
Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Tgt Ion:	62	Resp:	59047
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	16.8



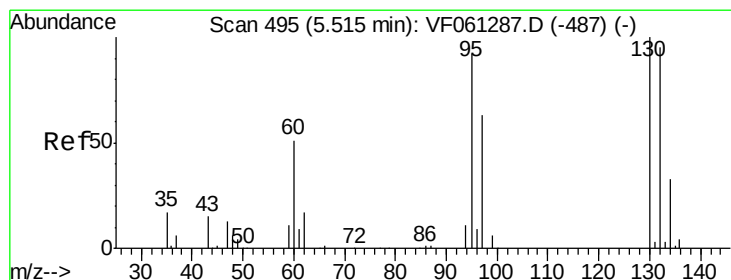
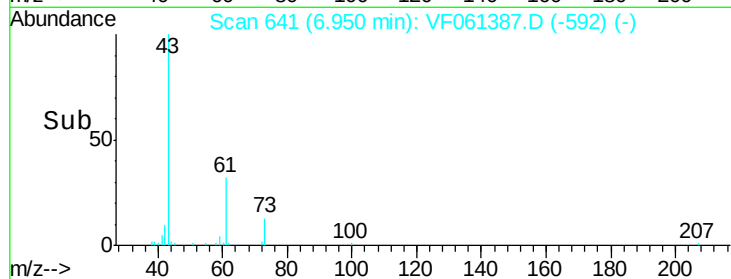
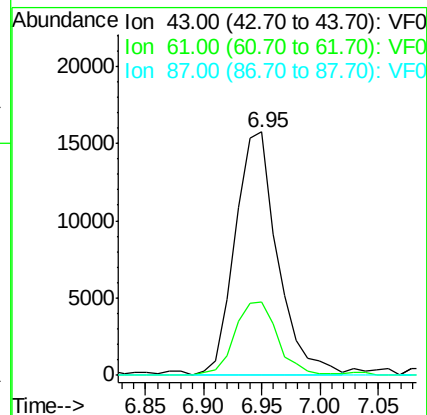
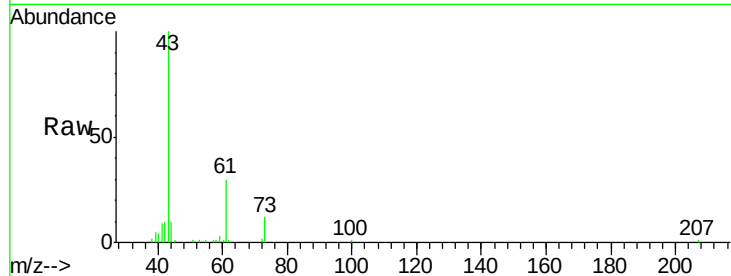


#43

Isopropyl Acetate
 Concen: 20.888 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.02 min
 Lab File: VF061387.D
 Acq: 14 Jan 2019 14:12

Instrument :
 MSVOA_F
 ClientSampleId :

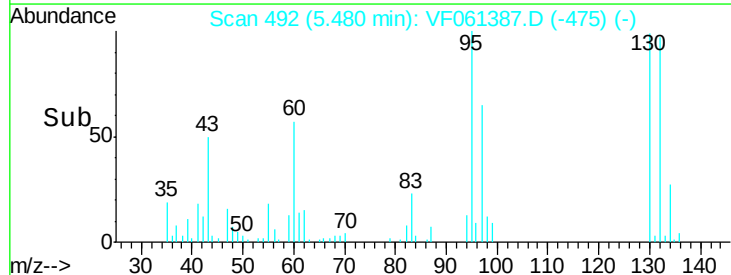
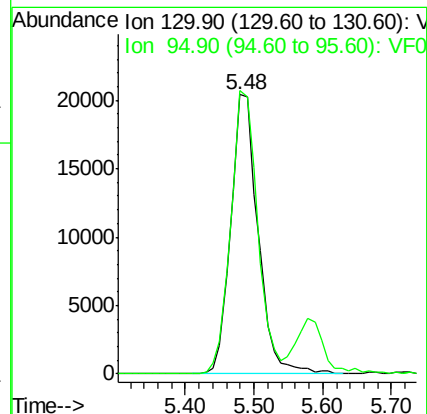
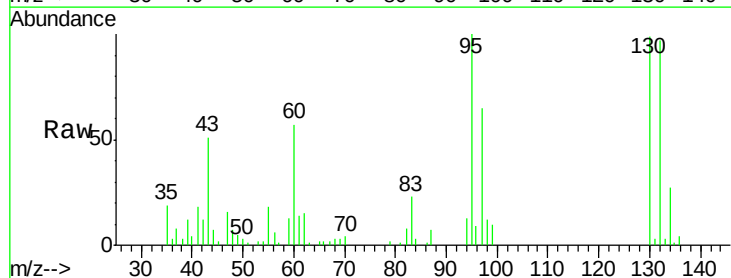
Tot Ion: 43 Resp: 40004
 Ion Ratio Lower Upper
 43 100
 61 30.0 24.3 36.5
 87 0.0 0.2 0.4#

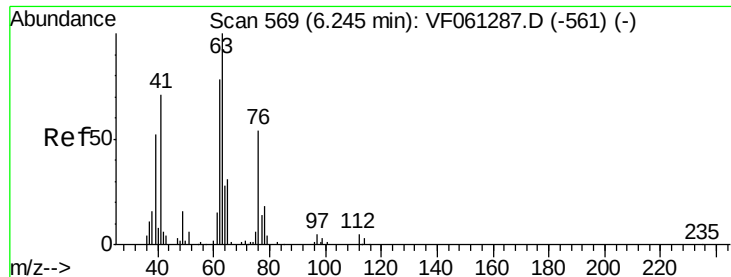


#44

Trichloroethene
 Concen: 20.634 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.04 min
 Lab File: VF061387.D
 Acq: 14 Jan 2019 14:12

Tgt Ion:130 Resp: 56160
 Ion Ratio Lower Upper
 130 100
 95 101.3 0.0 184.4





#45

1,2-Dichloropropane

Concen: 21.061 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

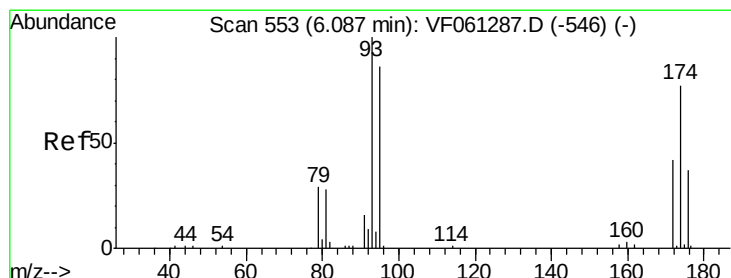
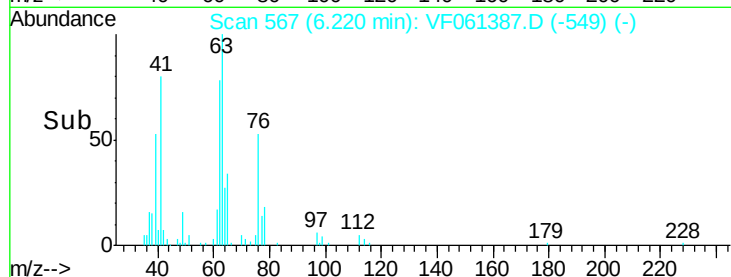
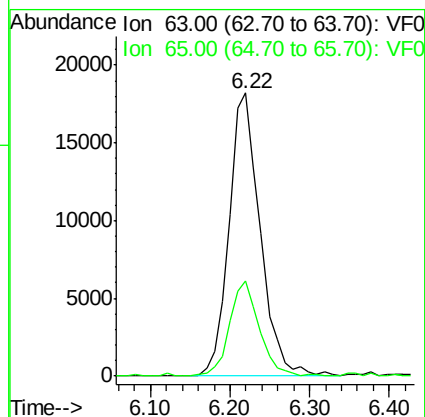
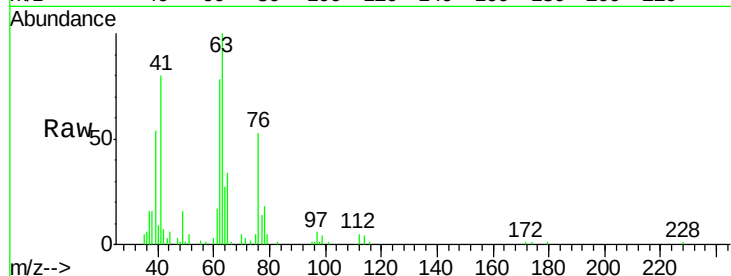
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 49808

Ion Ratio Lower Upper

63 100

65 33.7 25.1 37.7



#46

Dibromomethane

Concen: 22.857 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

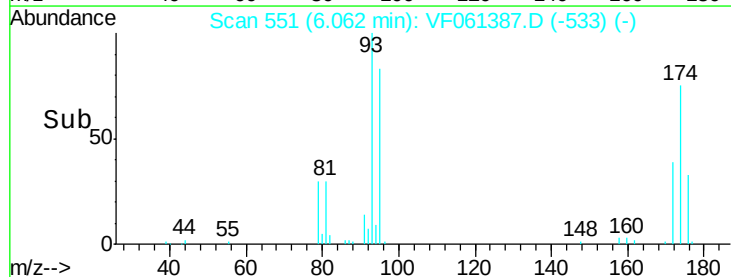
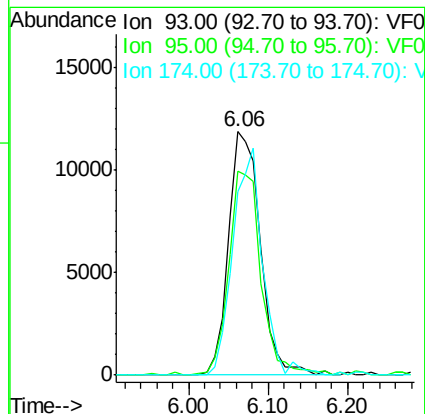
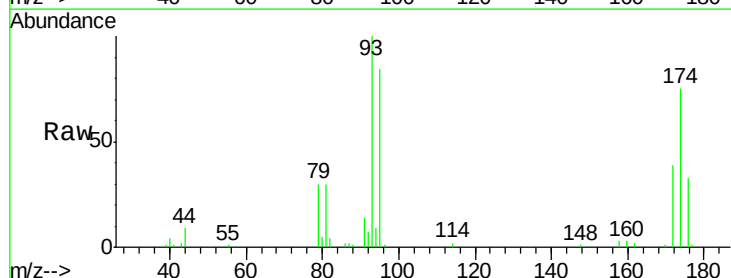
Tgt Ion: 93 Resp: 33190

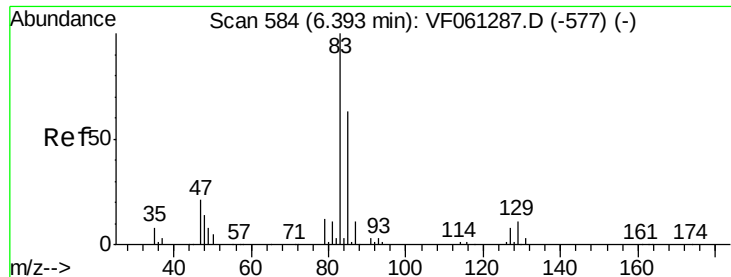
Ion Ratio Lower Upper

93 100

95 83.8 68.8 103.2

174 75.3 62.9 94.3





#47

Bromodichloromethane

Concen: 21.558 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :
MSVOA_F
ClientSampleId :

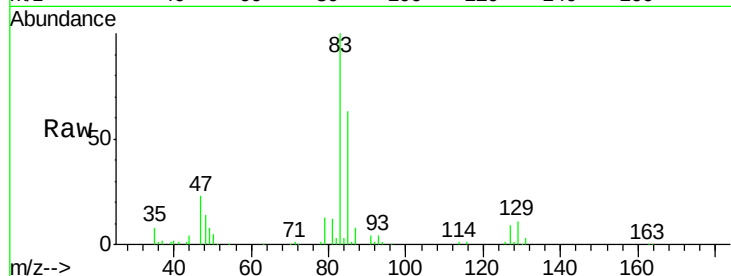
Tot Ion: 83 Resp: 77852

Ion Ratio Lower Upper

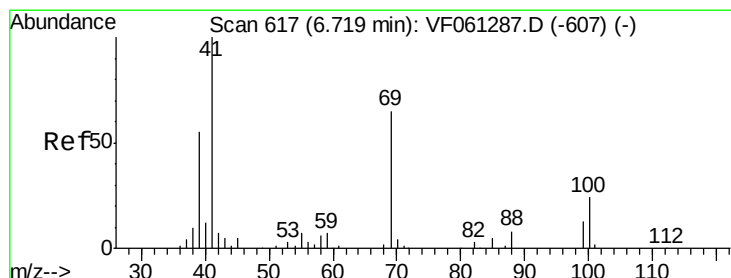
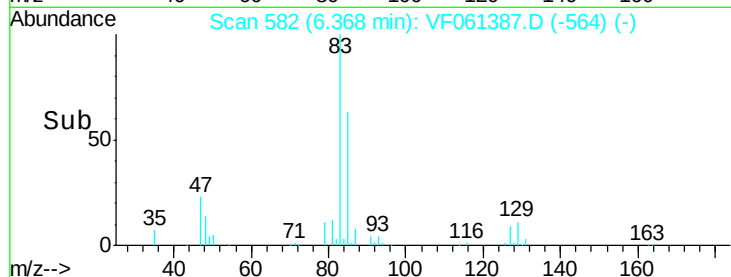
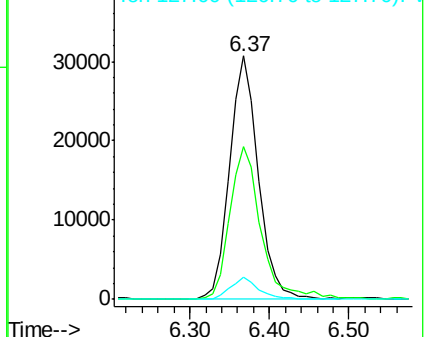
83 100

85 62.8 50.4 75.6

127 8.8 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: 21.352 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

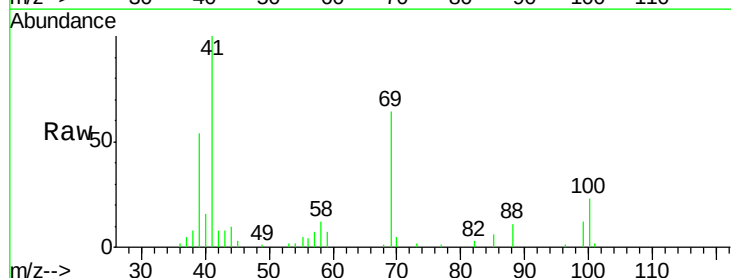
Tgt Ion: 41 Resp: 26543

Ion Ratio Lower Upper

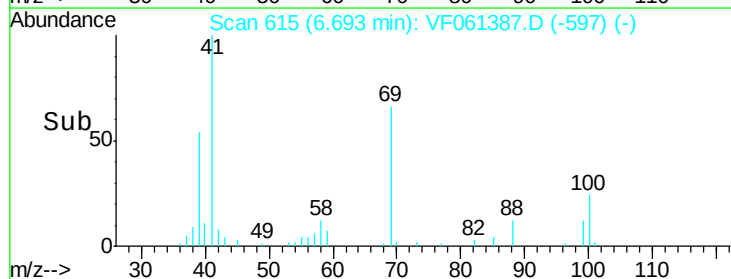
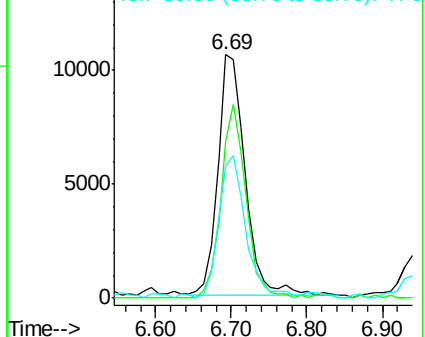
41 100

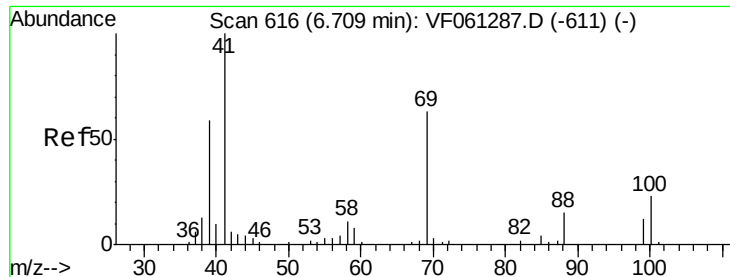
69 64.2 51.5 77.3

39 54.2 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: 524.098 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :
MSVOA_F
ClientSampleId :

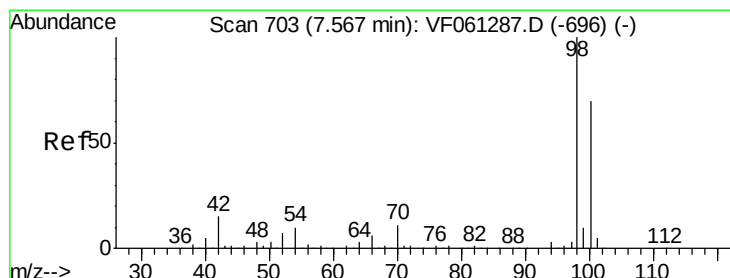
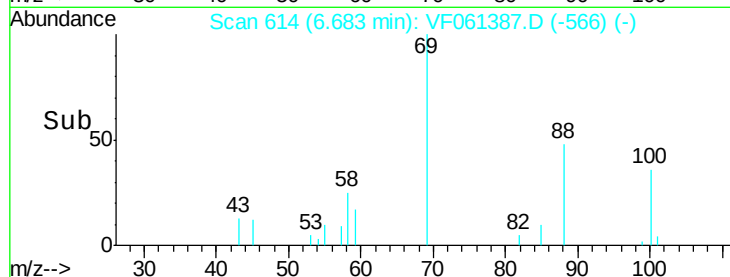
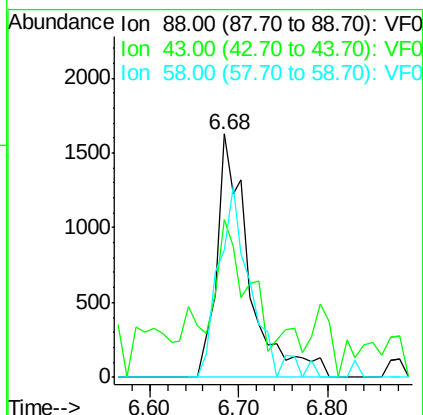
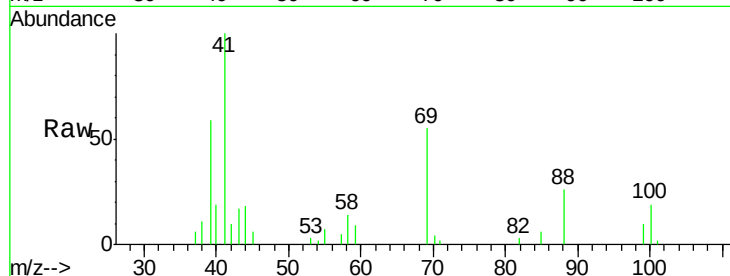
Tot Ion: 88 Resp: 4111

Ion Ratio Lower Upper

88 100

43 64.8 38.5 57.7#

58 52.2 57.0 85.4#



#50

Toluene-d8

Concen: 45.270 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.04 min

Lab File: VF061387.D

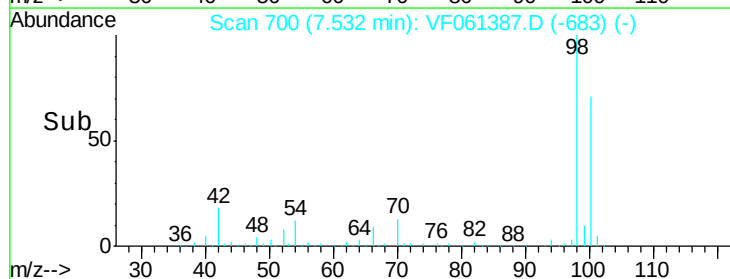
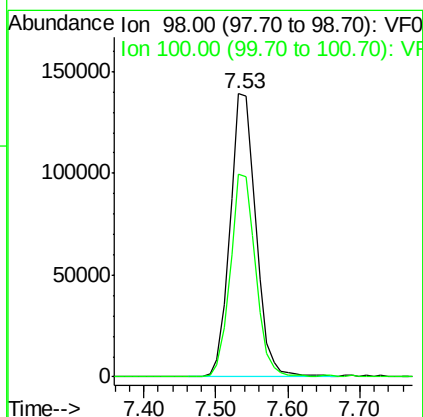
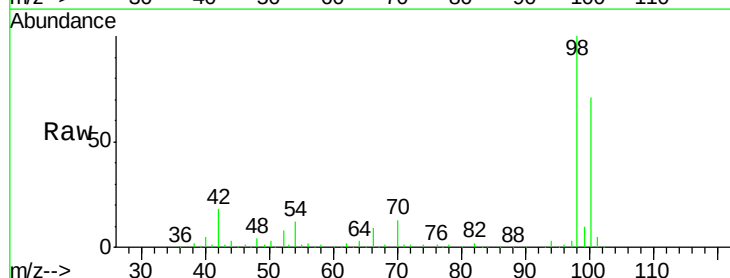
Acq: 14 Jan 2019 14:12

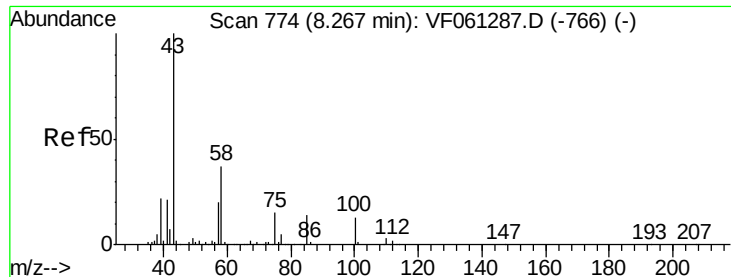
Tgt Ion: 98 Resp: 349664

Ion Ratio Lower Upper

98 100

100 71.4 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 104.878 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

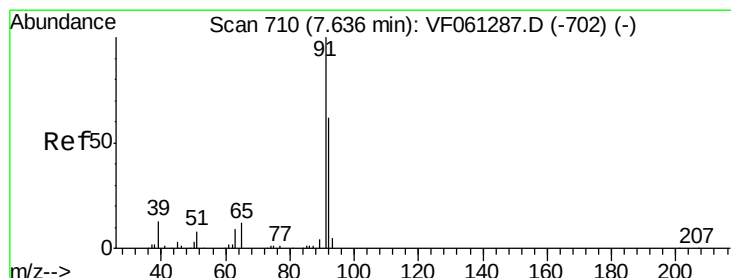
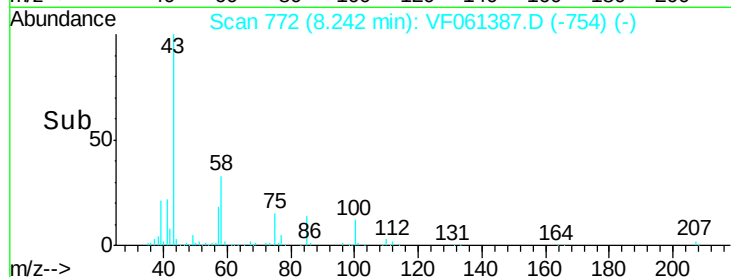
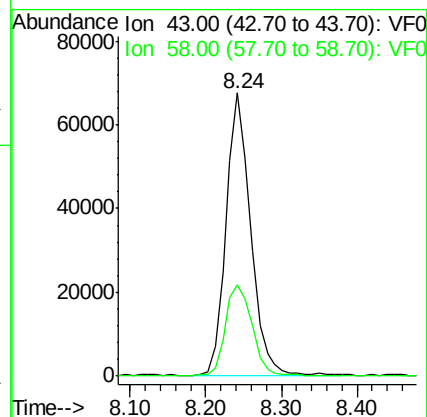
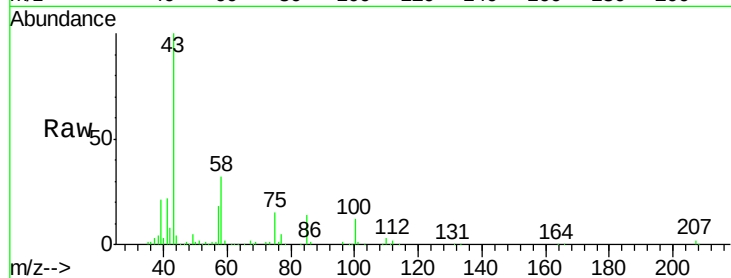
ClientSampleId :

Tot Ion: 43 Resp: 151609

Ion Ratio Lower Upper

43 100

58 32.5 29.6 44.4



#52

Toluene

Concen: 19.779 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.03 min

Lab File: VF061387.D

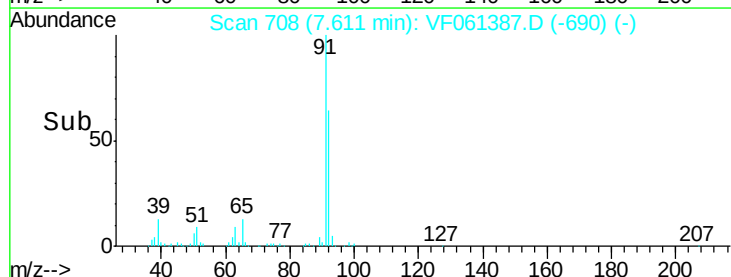
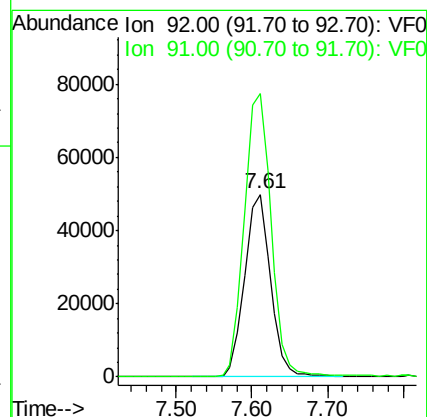
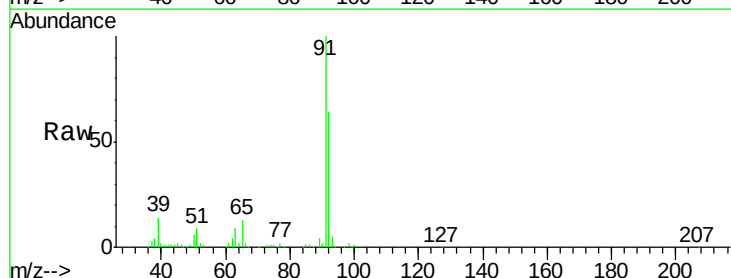
Acq: 14 Jan 2019 14:12

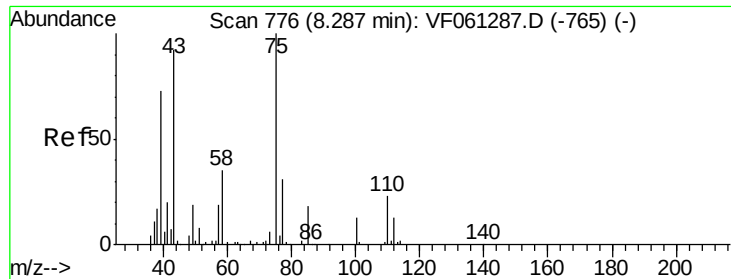
Tgt Ion: 92 Resp: 118232

Ion Ratio Lower Upper

92 100

91 155.3 129.2 193.8

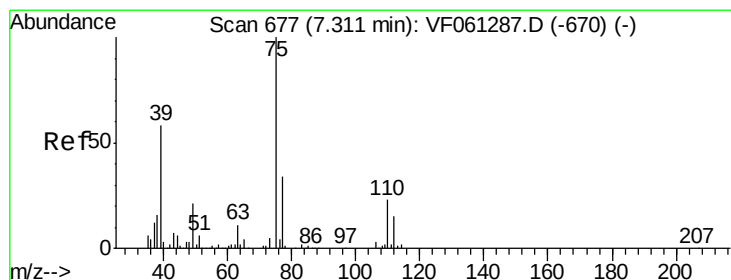
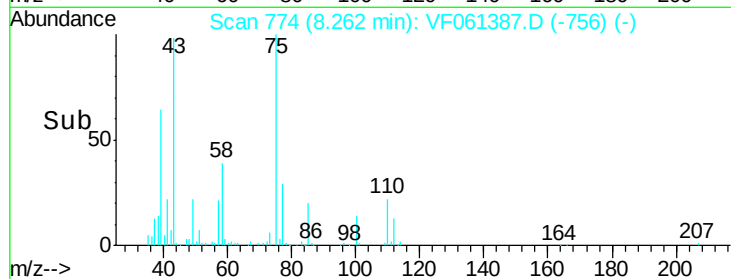
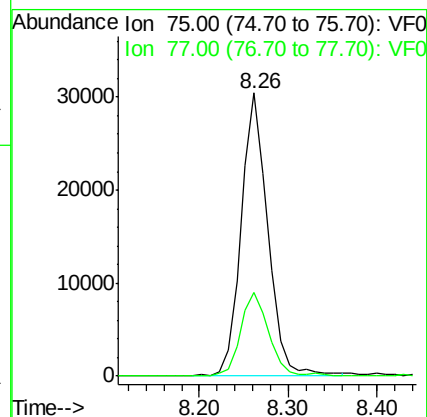
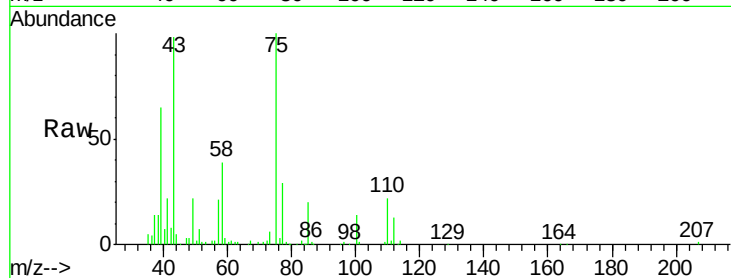




#53
 t-1,3-Dichloropropene
 Concen: 22.431 ug/l
 RT: 8.26 min Scan# 774
 Delta R.T. -0.03 min
 Lab File: VF061387.D
 Acq: 14 Jan 2019 14:12

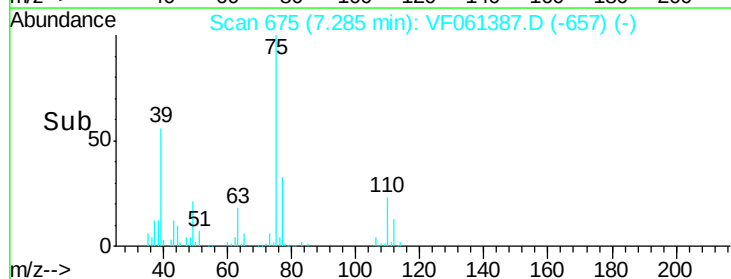
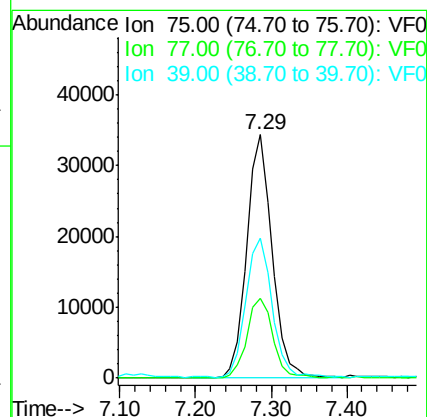
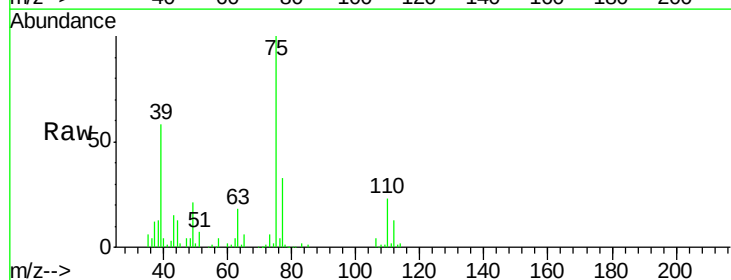
Instrument :
 MSVOA_F
 ClientSampleId :

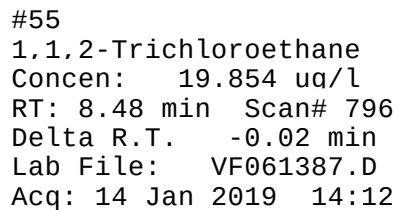
Tot Ion: 75 Resp: 63616
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 21.354 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.03 min
 Lab File: VF061387.D
 Acq: 14 Jan 2019 14:12

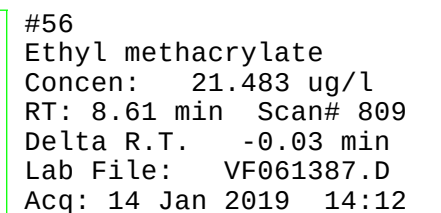
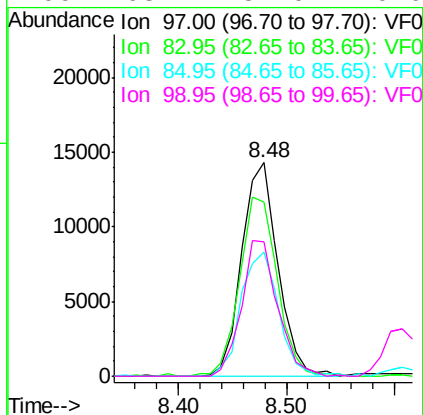
Tgt Ion: 75 Resp: 80297
 Ion Ratio Lower Upper
 75 100
 77 33.0 27.3 40.9
 39 57.6 46.3 69.5



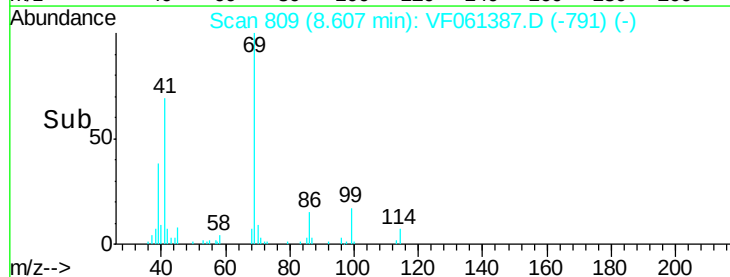
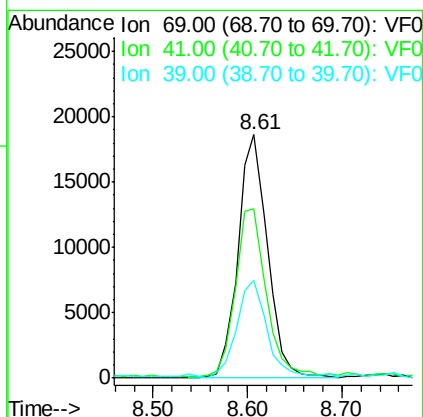


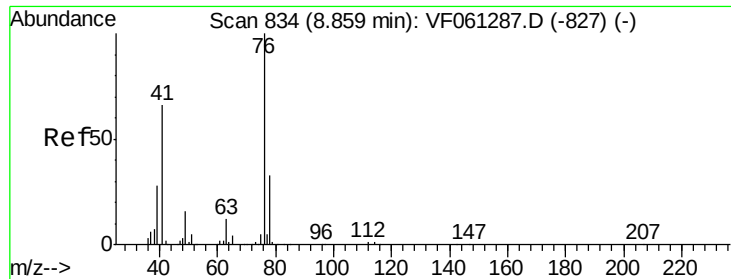
Instrument :
MSVOA_F
ClientSampleId :

Tat	Ion: 97	Resp:	33210
Ion	Ratio	Lower	Upper
97	100		
83	81.3	67.8	101.6
85	57.9	45.1	67.7
99	63.2	51.0	76.6



Tgt	Ion: 69	Resp:	40162
Ion	Ratio	Lower	Upper
69	100		
41	69.4	59.0	88.4
39	39.9	35.3	52.9





#57

1,3-Dichloropropane

Concen: 20.108 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

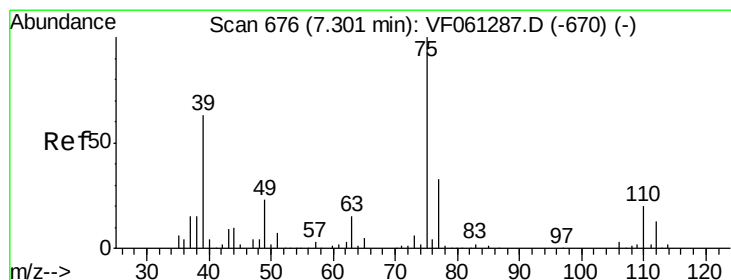
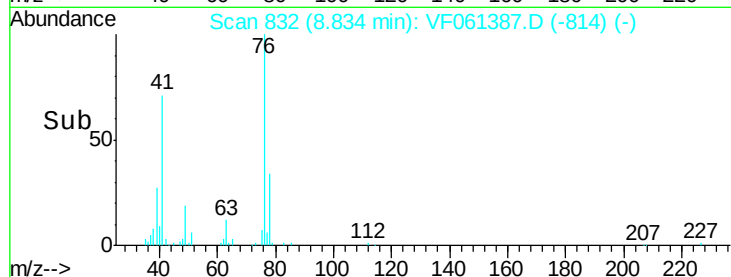
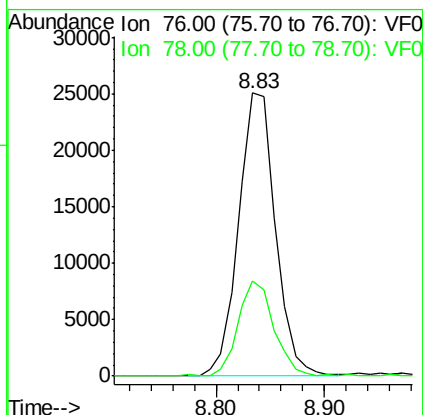
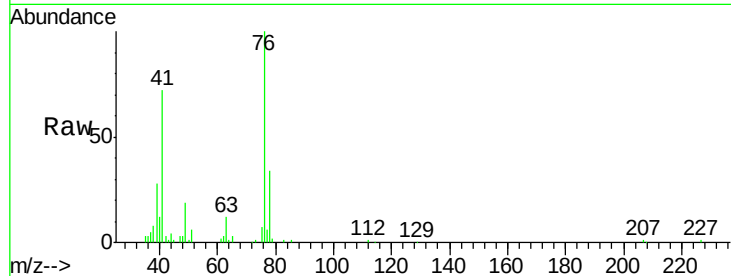
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 59527

Ion Ratio Lower Upper

76 100

78 33.7 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 200.569 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061387.D

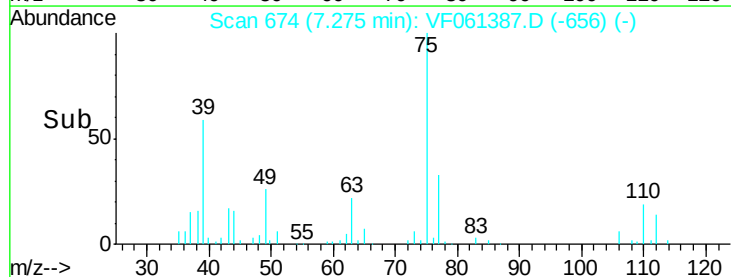
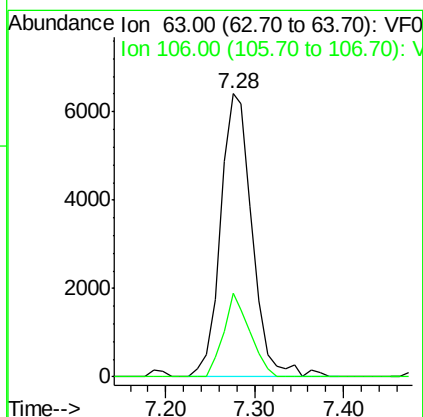
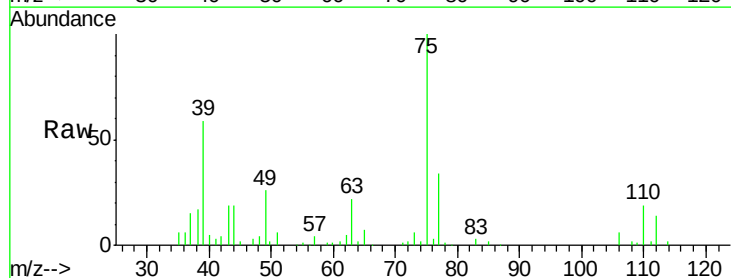
Acq: 14 Jan 2019 14:12

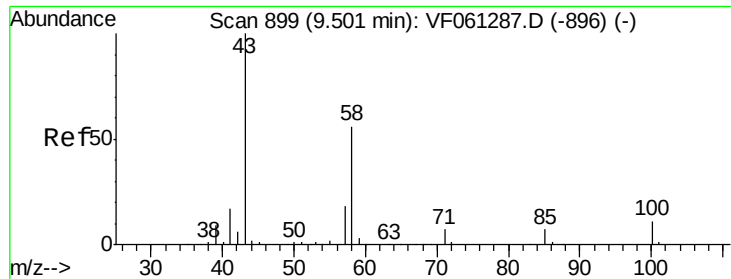
Tgt Ion: 63 Resp: 15979

Ion Ratio Lower Upper

63 100

106 29.6 16.5 24.7#

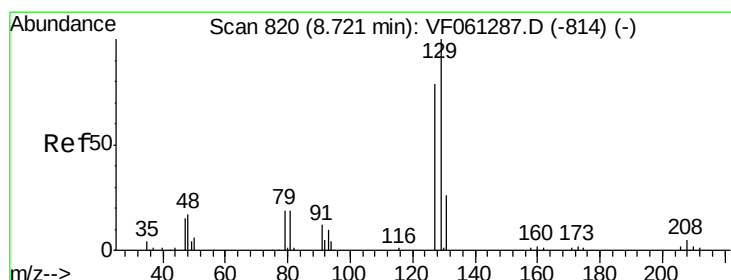
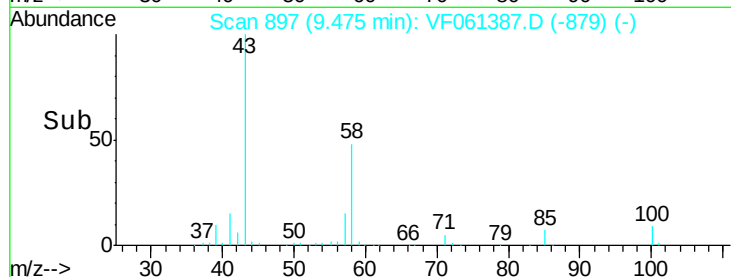
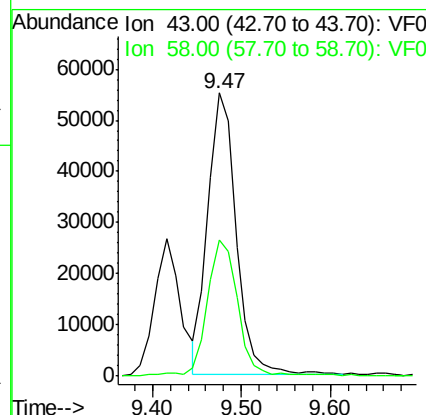
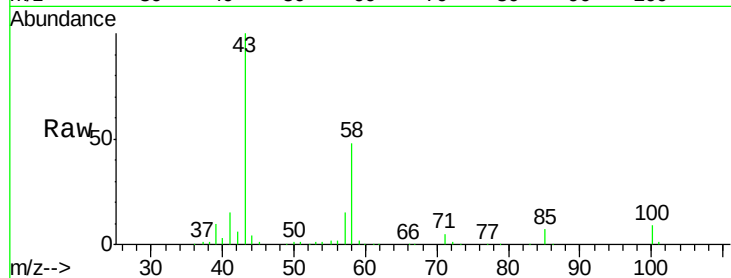




#59
2-Hexanone
Concen: 118.605 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.03 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

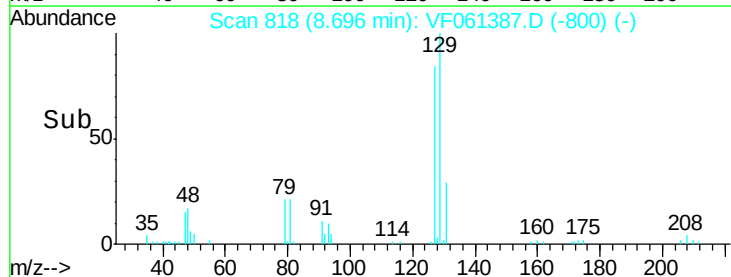
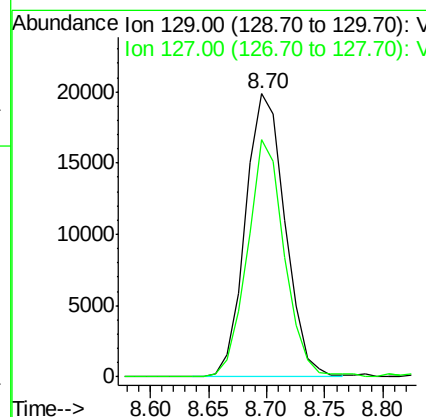
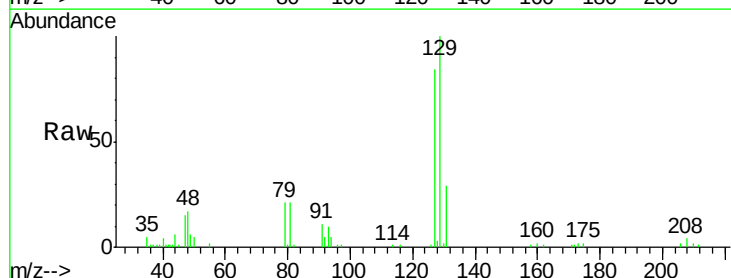
Instrument :
MSVOA_F
ClientSampled :

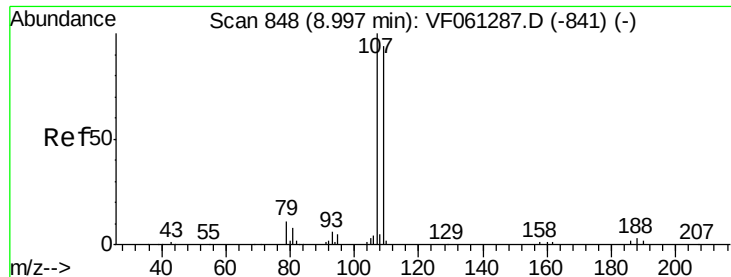
Tot Ion: 43 Resp: 121465
Ion Ratio Lower Upper
43 100
58 48.3 25.6 76.8



#60
Dibromochloromethane
Concen: 21.039 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.03 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Tgt Ion:129 Resp: 46862
Ion Ratio Lower Upper
129 100
127 83.8 39.4 118.1





#61

1,2-Dibromoethane

Concen: 21.590 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

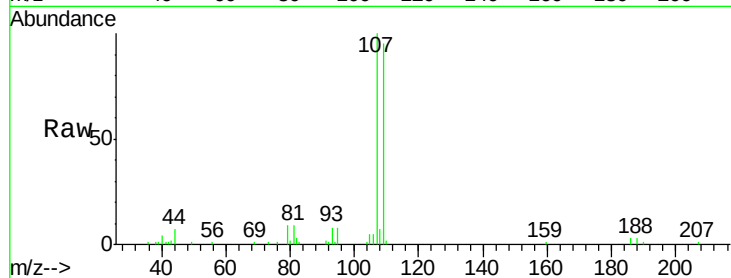
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 36813

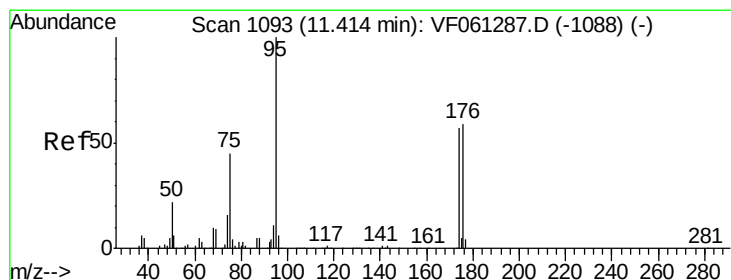
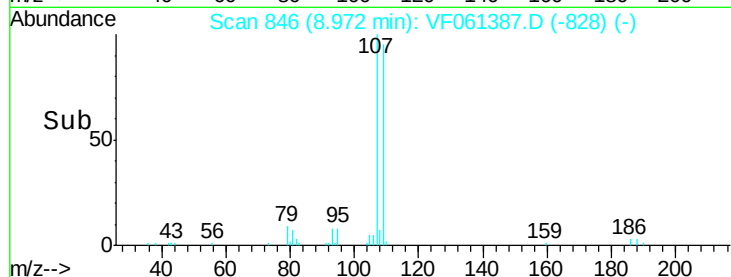
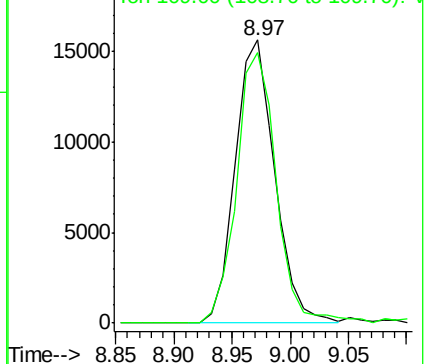
Ion Ratio Lower Upper

107 100

109 95.4 75.1 112.7



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



#62

4-Bromofluorobenzene

Concen: 48.338 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

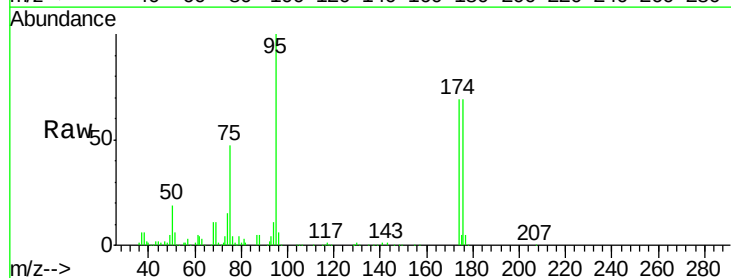
Tgt Ion: 95 Resp: 163035

Ion Ratio Lower Upper

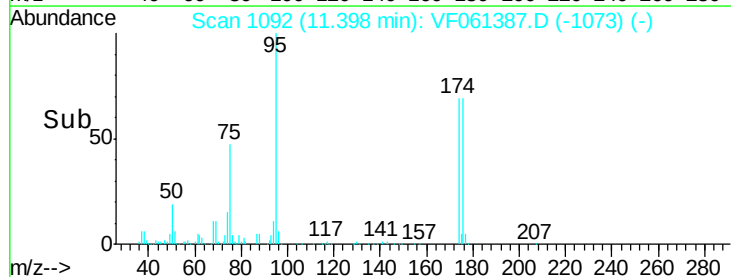
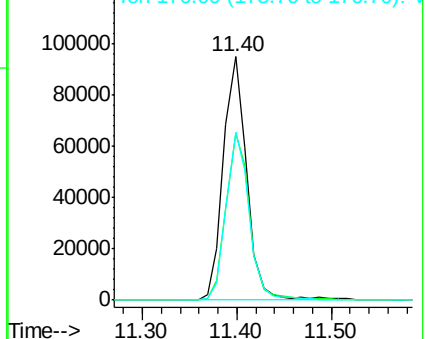
95 100

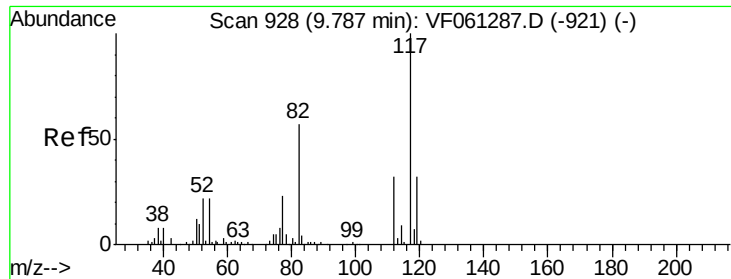
174 68.7 0.0 114.2

176 68.8 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

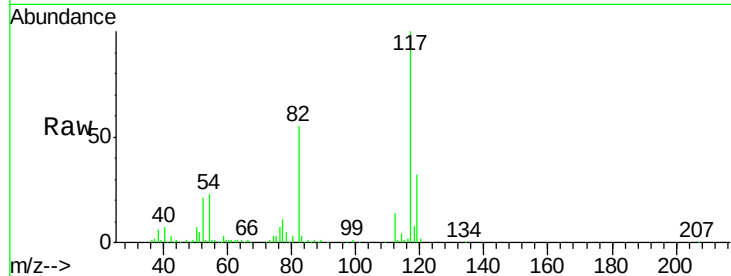




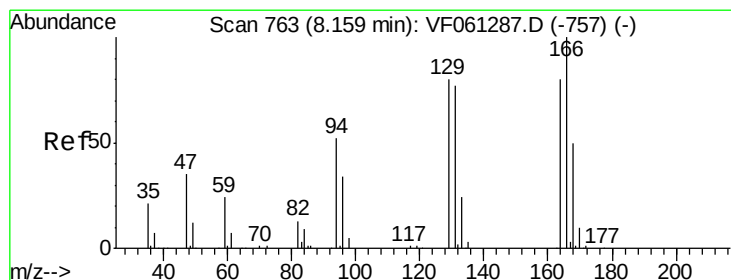
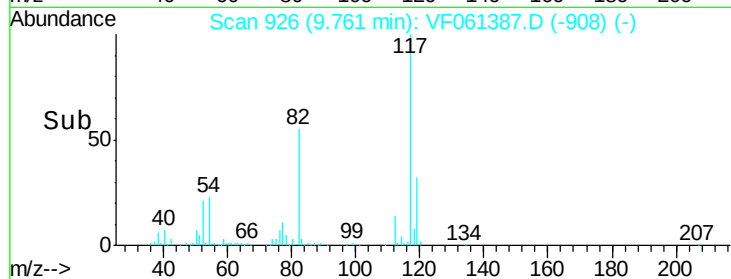
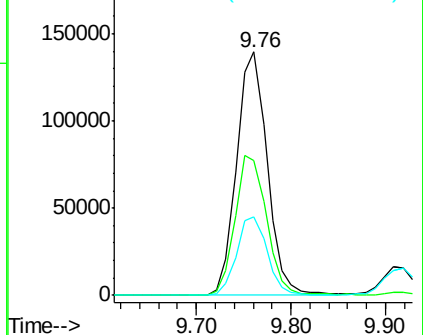
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 313801
Ion Ratio Lower Upper
117 100
82 55.4 45.3 67.9
119 32.5 25.4 38.0

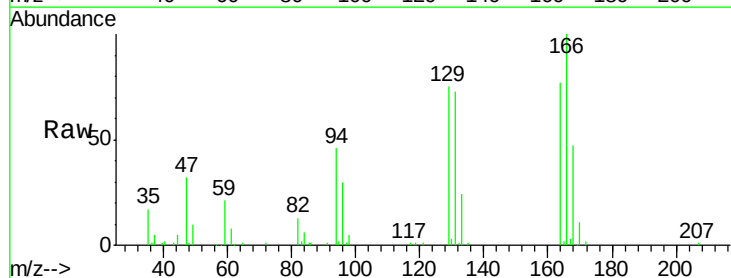


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

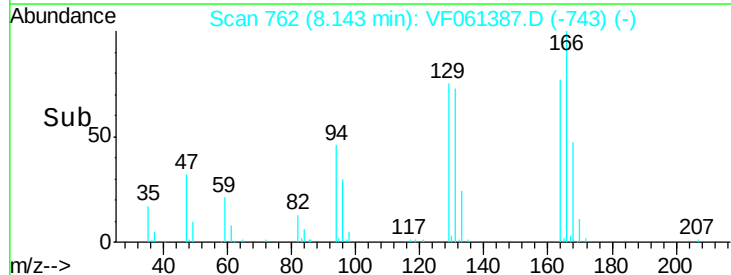
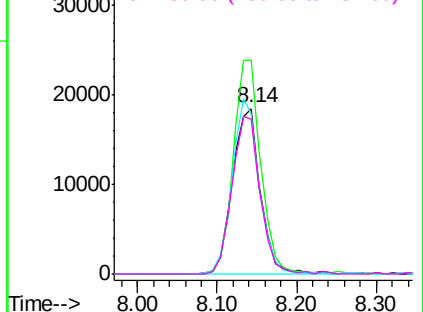


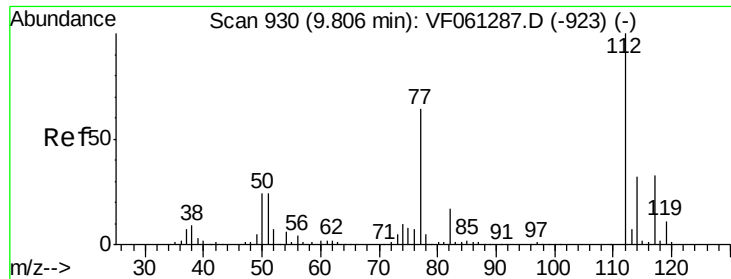
#64
Tetrachloroethene
Concen: 19.816 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.02 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Tgt Ion:164 Resp: 45274
Ion Ratio Lower Upper
164 100
166 129.0 100.1 150.1
129 96.8 80.1 120.1
131 93.8 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

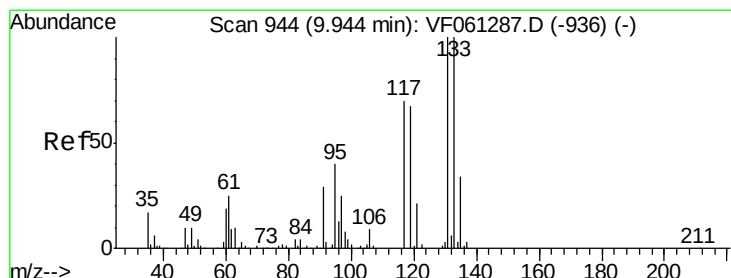
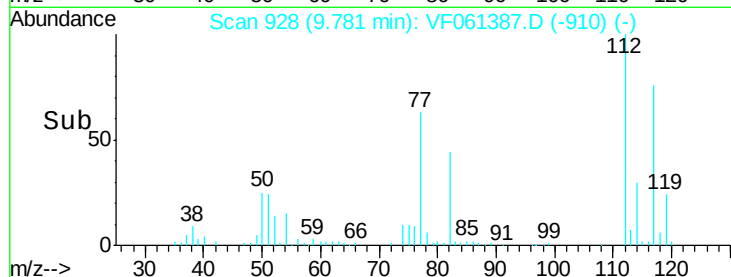
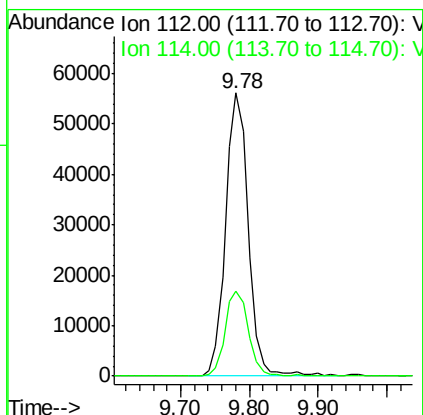
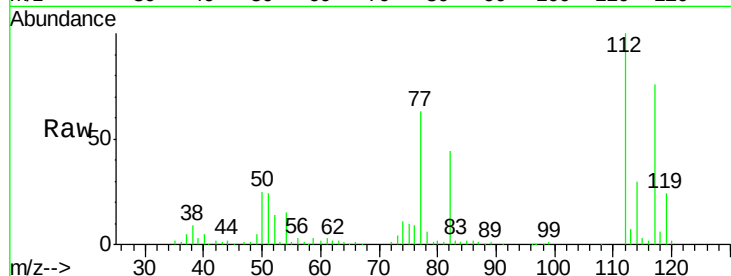




#65
Chlorobenzene
Concen: 20.219 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

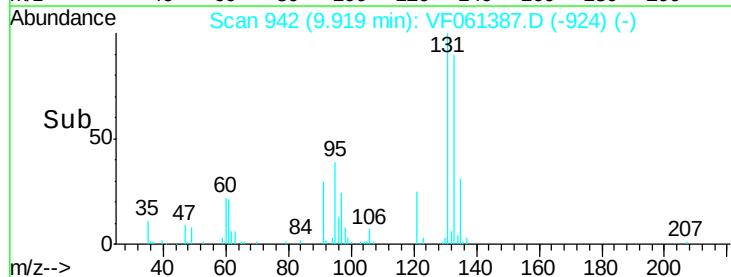
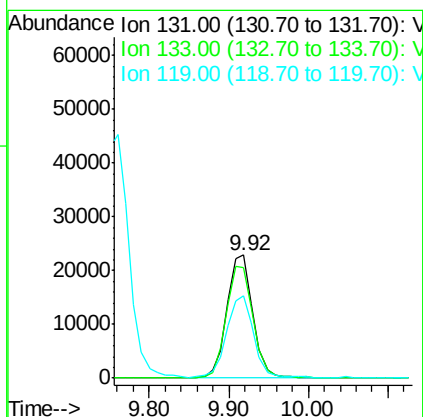
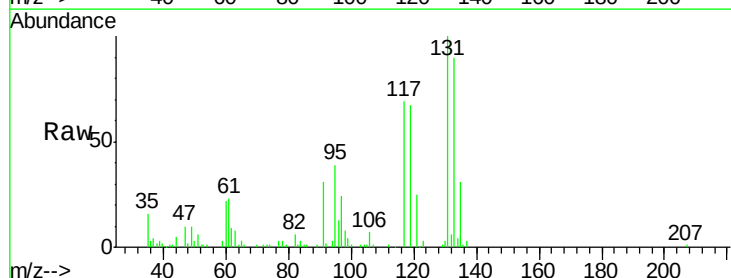
Instrument :
MSVOA_F
ClientSampleId :

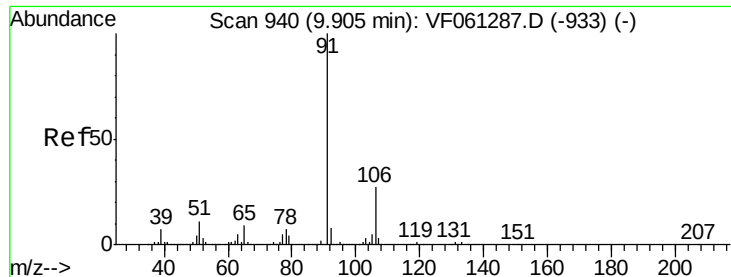
Tot Ion:112 Resp: 128120
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.326 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.03 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Tgt Ion:131 Resp: 52556
Ion Ratio Lower Upper
131 100
133 89.9 49.9 149.6
119 67.3 33.9 101.6





#67

Ethyl Benzene

Concen: 20.189 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

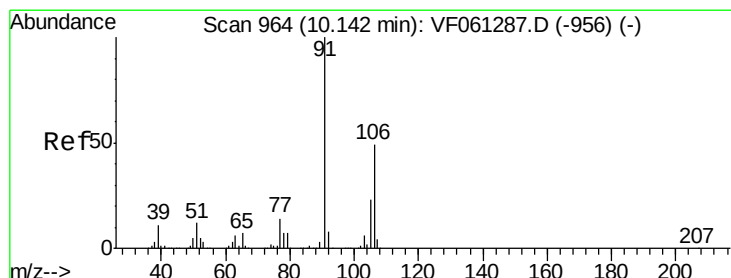
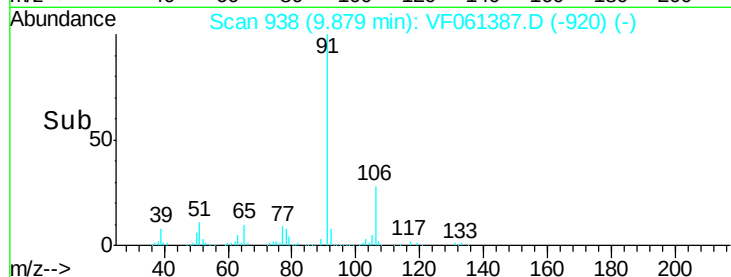
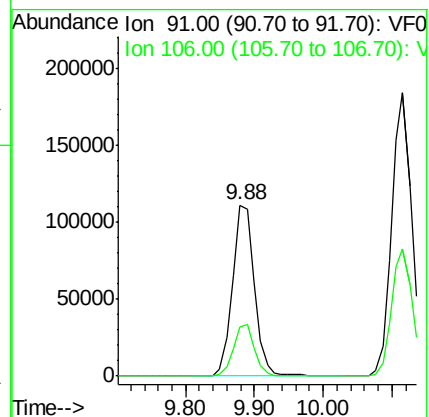
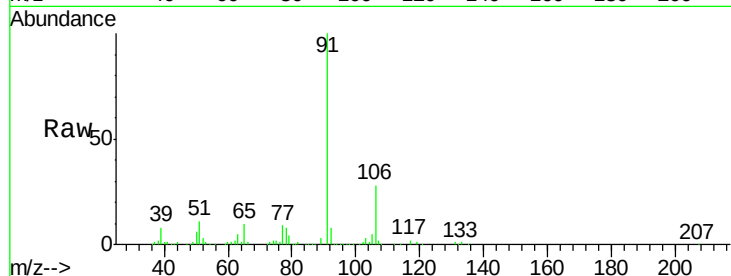
ClientSampled :

Tot Ion: 91 Resp: 246669

Ion Ratio Lower Upper

91 100

106 28.4 21.4 32.2



#68

m/p-Xylenes

Concen: 41.598 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.03 min

Lab File: VF061387.D

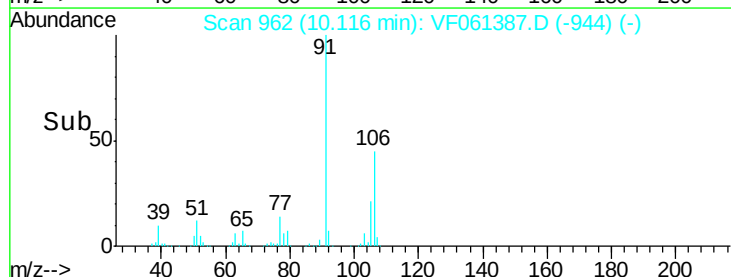
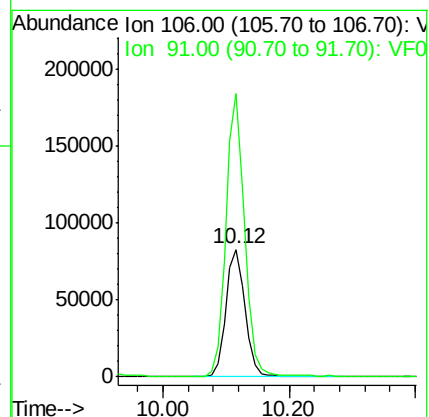
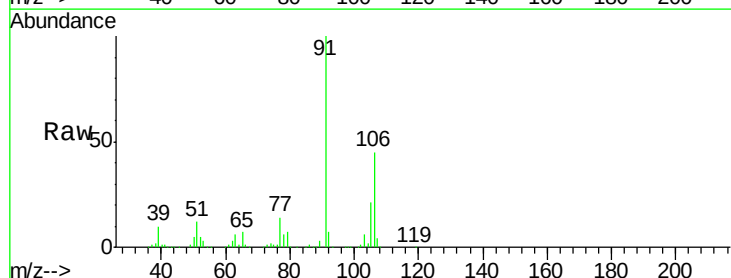
Acq: 14 Jan 2019 14:12

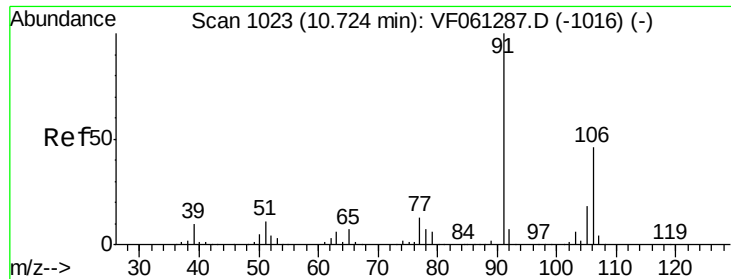
Tgt Ion: 106 Resp: 177283

Ion Ratio Lower Upper

106 100

91 222.3 165.0 247.6

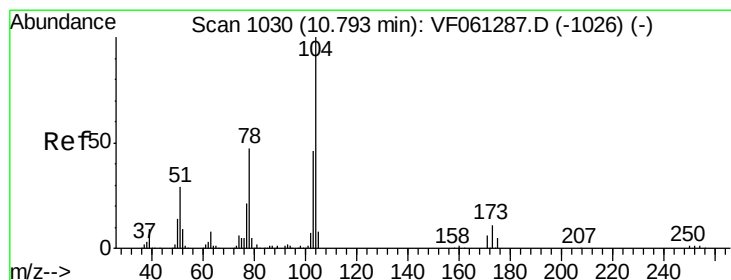
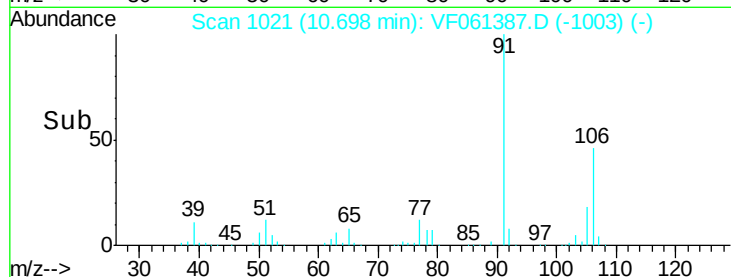
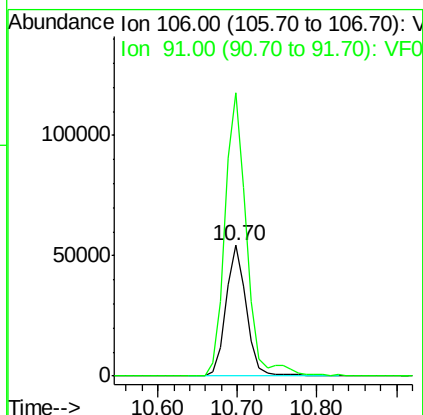
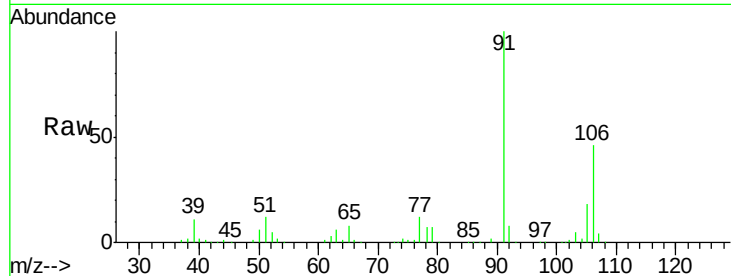




#69
o-Xylene
Concen: 20.738 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

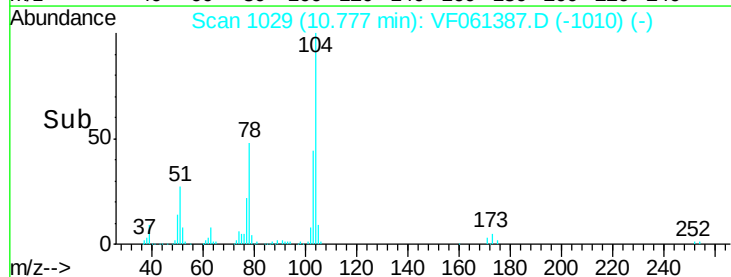
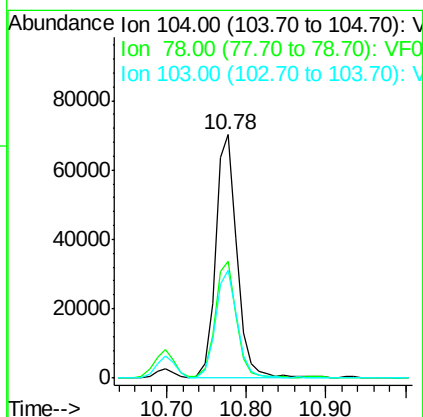
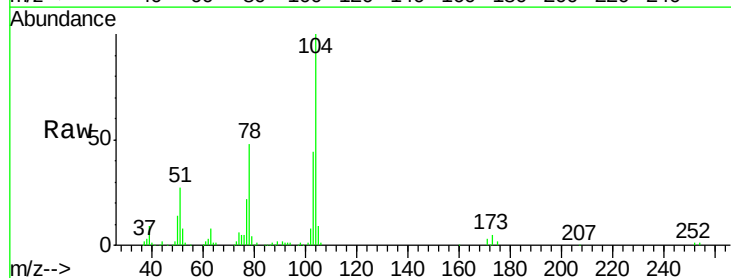
Instrument :
MSVOA_F
ClientSampled :

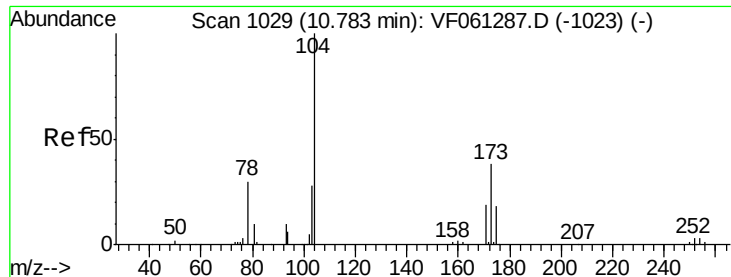
Tot Ion:106 Resp: 98730
Ion Ratio Lower Upper
106 100
91 216.4 108.1 324.4



#70
Styrene
Concen: 20.739 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Tgt Ion:104 Resp: 131527
Ion Ratio Lower Upper
104 100
78 48.2 38.0 57.0
103 44.2 36.7 55.1





#71

Bromoform

Concen: 22.620 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

ClientSampleId :

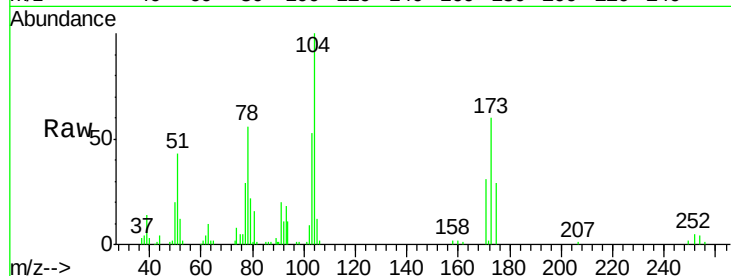
Tot Ion:173 Resp: 23903

Ion Ratio Lower Upper

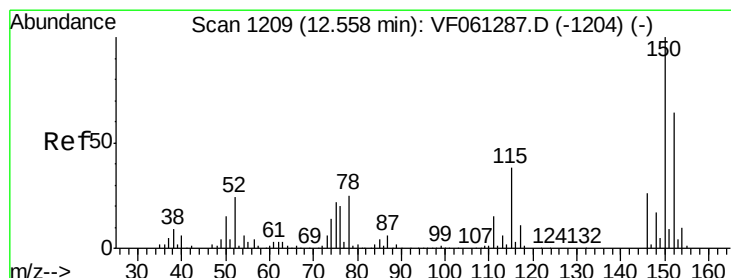
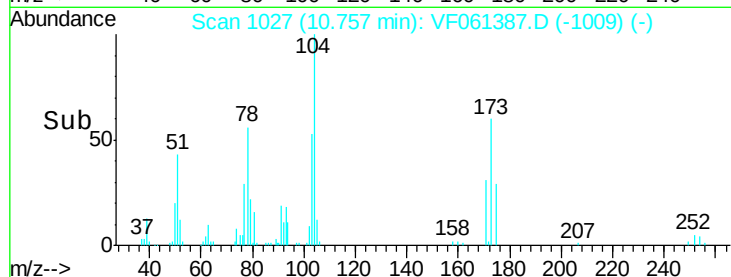
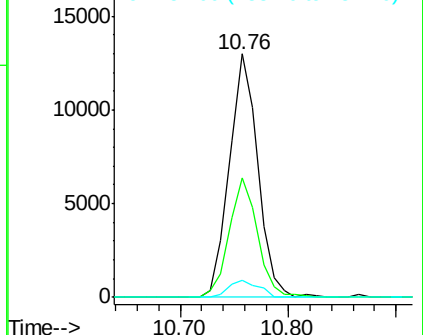
173 100

175 48.9 24.1 72.2

254 6.9 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. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

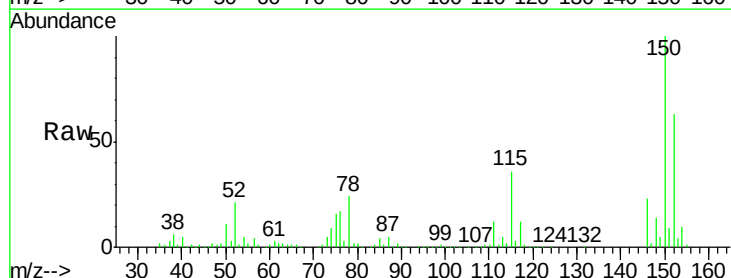
Tgt Ion:152 Resp: 157763

Ion Ratio Lower Upper

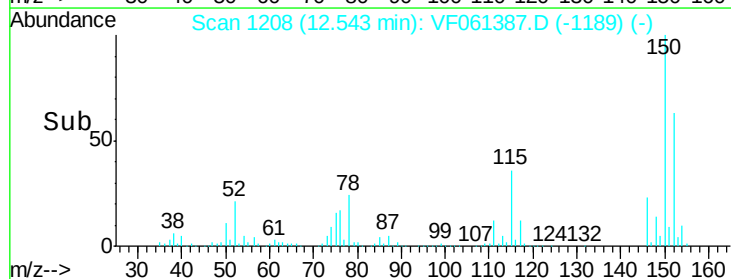
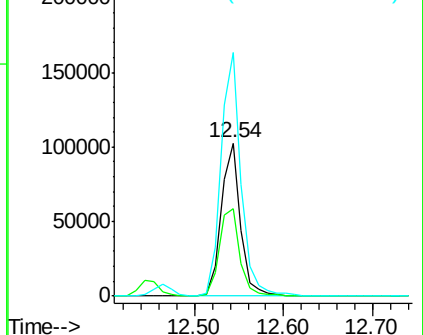
152 100

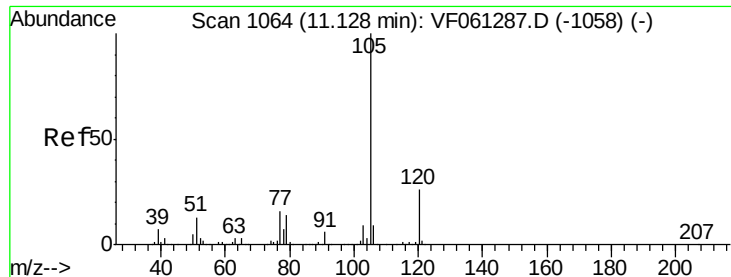
115 57.1 29.6 88.9

150 159.0 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: 20.008 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

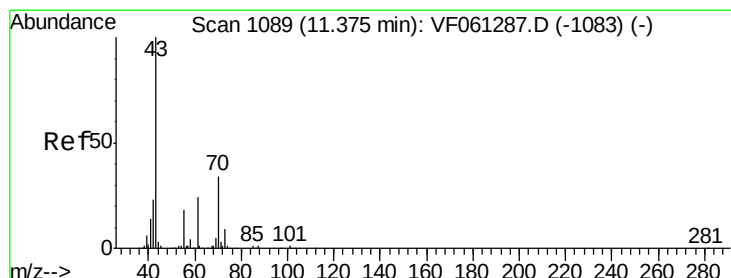
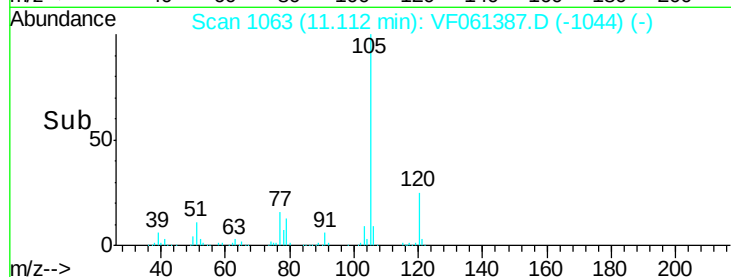
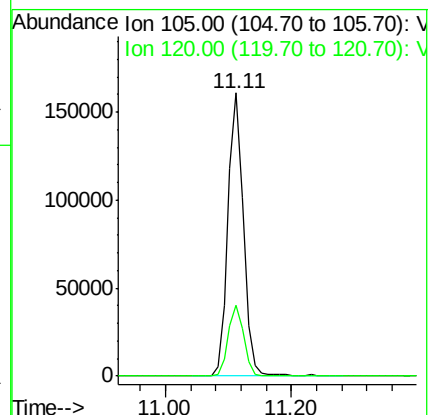
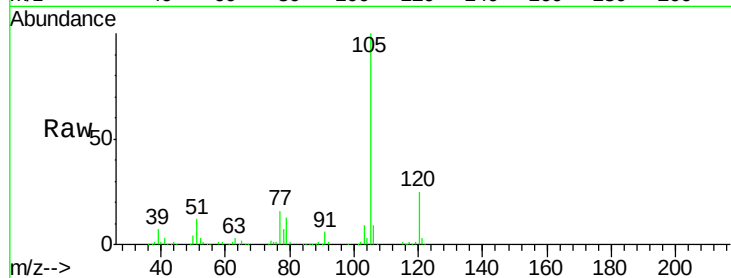
ClientSampleId :

Tot Ion:105 Resp: 277756

Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7



#74

N-ethyl acetate

Concen: 21.660 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Tgt Ion: 43 Resp: 68353

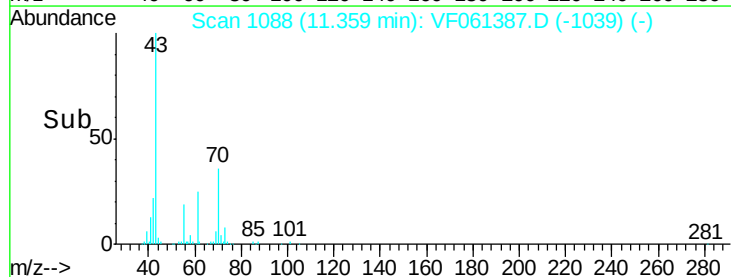
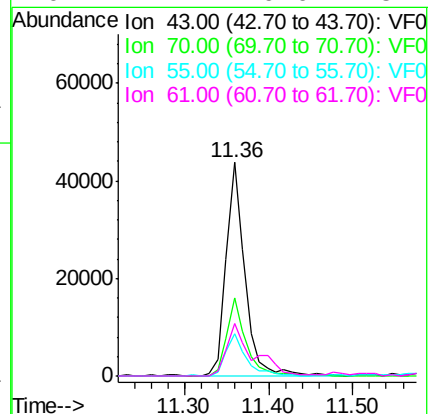
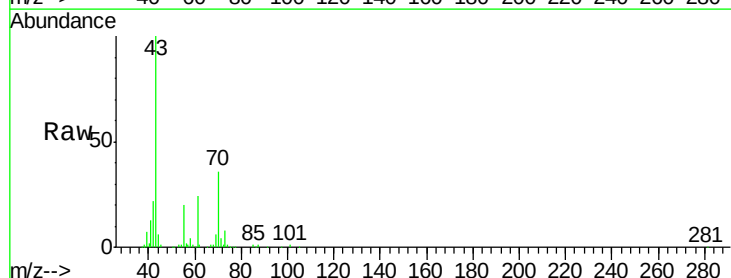
Ion Ratio Lower Upper

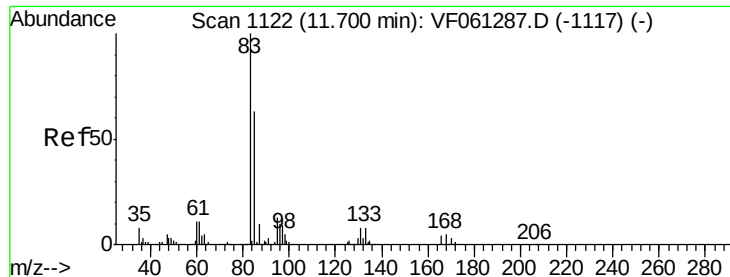
43 100

70 36.3 27.4 41.0

55 19.6 14.7 22.1

61 24.4 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.996 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

ClientSampleId :

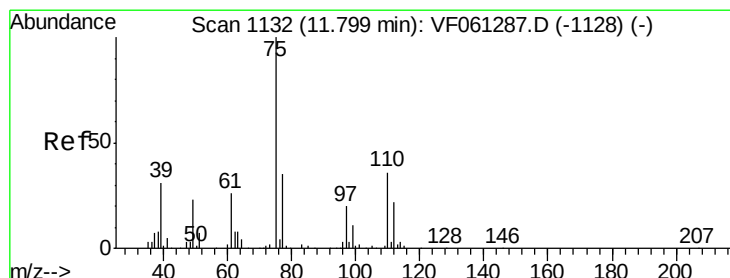
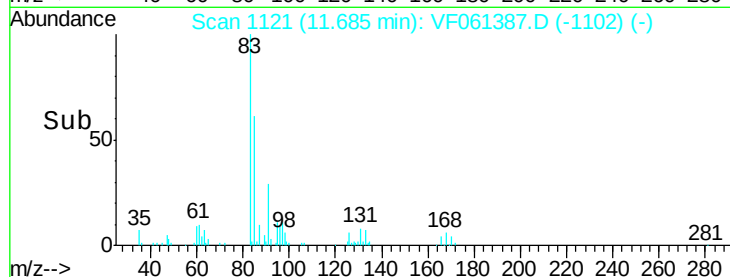
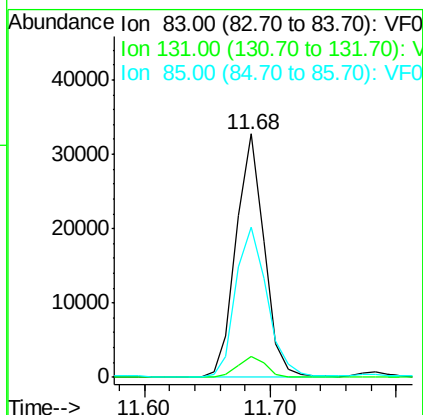
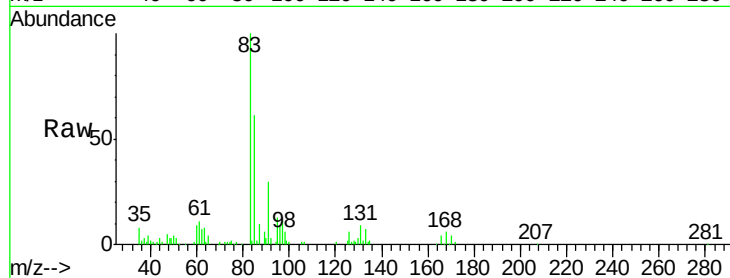
Tot Ion: 83 Resp: 50616

Ion Ratio Lower Upper

83 100

131 8.5 3.9 11.7

85 61.4 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 21.989 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061387.D

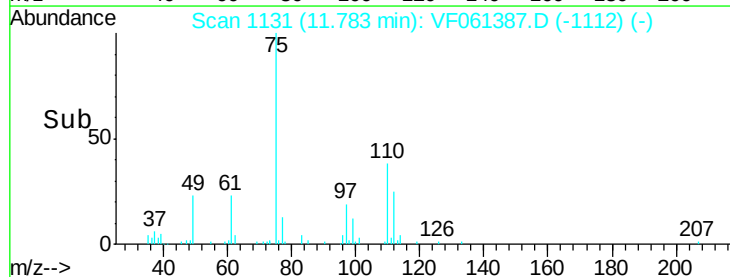
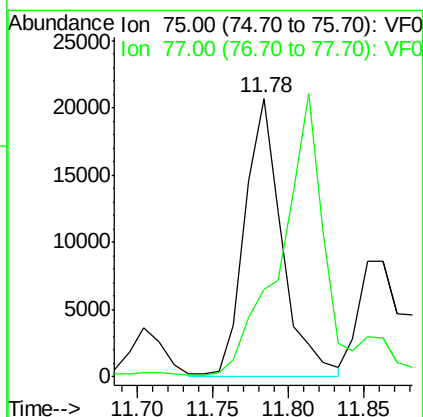
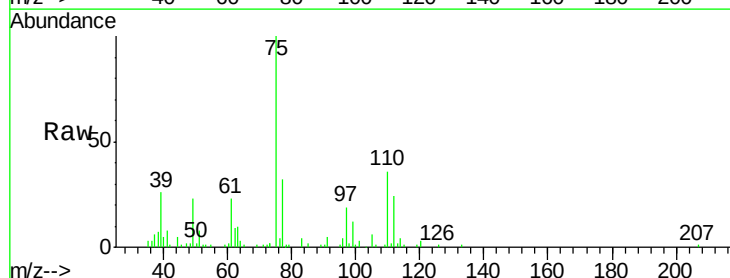
Acq: 14 Jan 2019 14:12

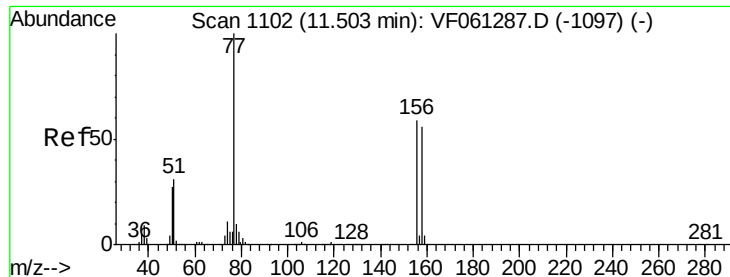
Tgt Ion: 75 Resp: 35499

Ion Ratio Lower Upper

75 100

77 31.5 17.5 52.5





#77

Bromobenzene

Concen: 20.019 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

ClientSampleId :

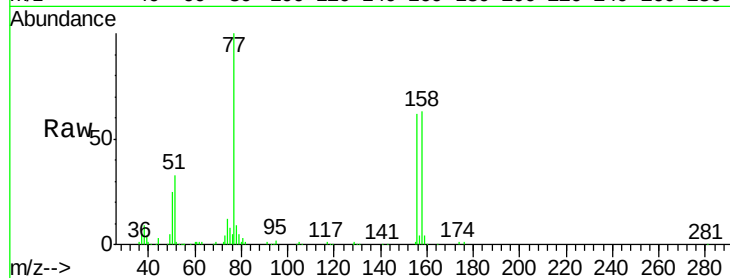
Tot Ion:156 Resp: 55289

Ion Ratio Lower Upper

156 100

77 162.6 84.3 252.9

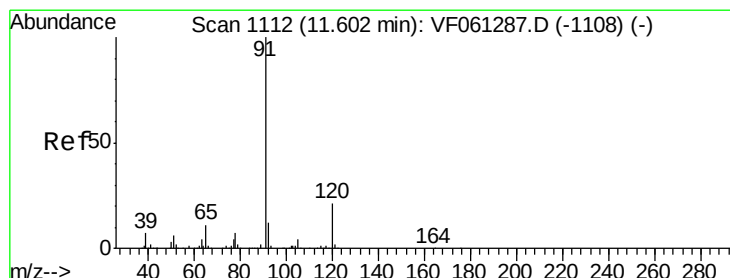
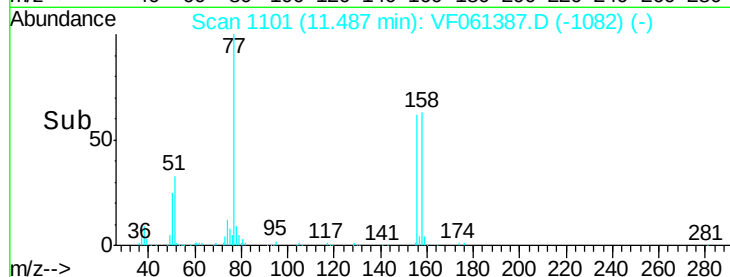
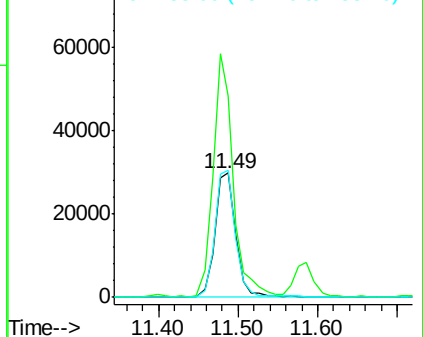
158 102.2 47.1 141.3



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: 20.990 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061387.D

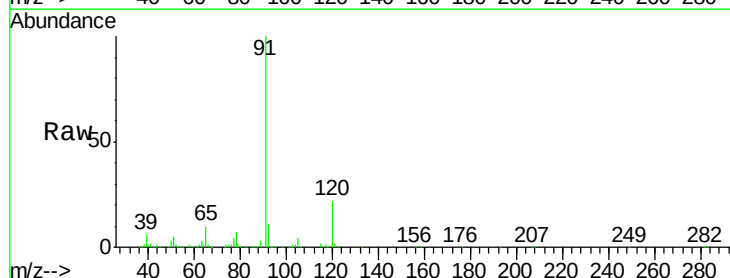
Acq: 14 Jan 2019 14:12

Tgt Ion: 91 Resp: 347423

Ion Ratio Lower Upper

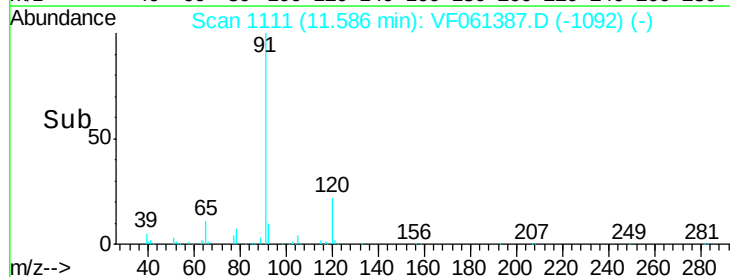
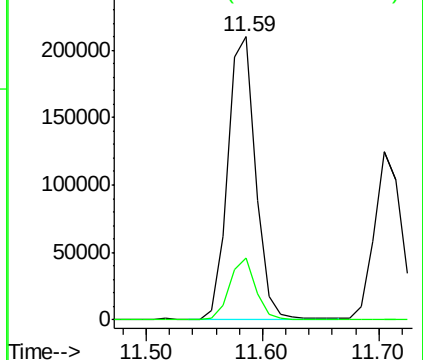
91 100

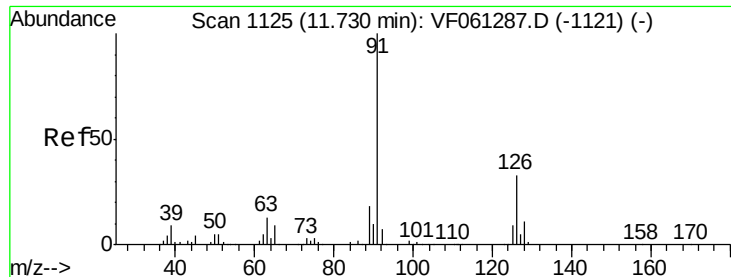
120 21.9 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.526 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

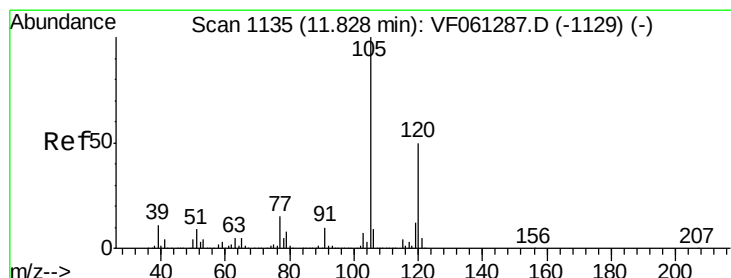
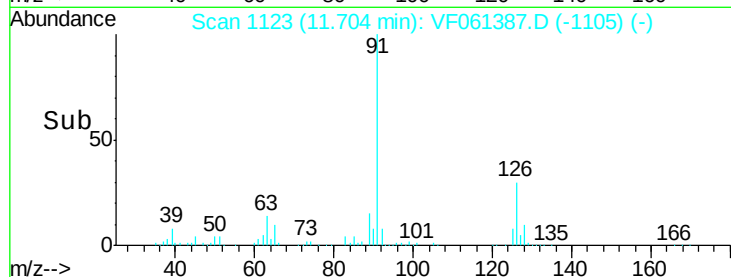
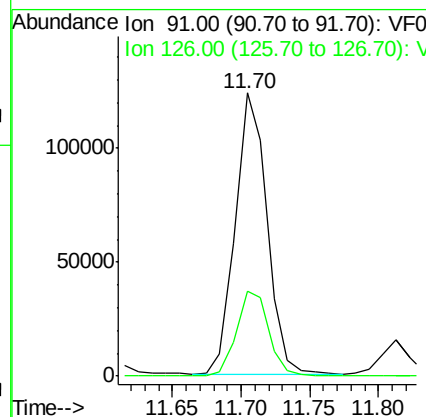
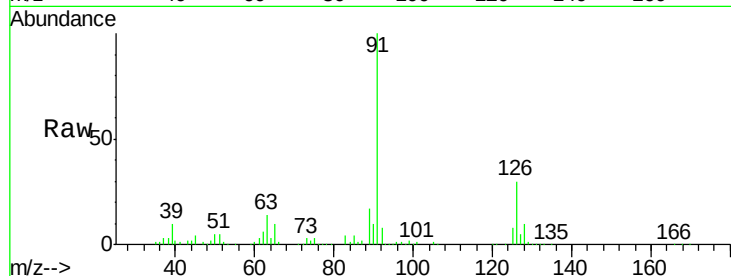
ClientSampleId :

Tot Ion: 91 Resp: 198504

Ion Ratio Lower Upper

91 100

126 29.8 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 20.116 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061387.D

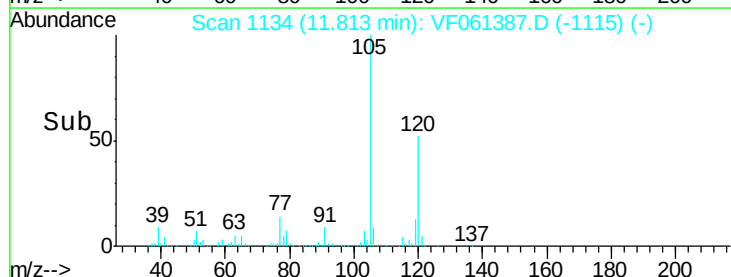
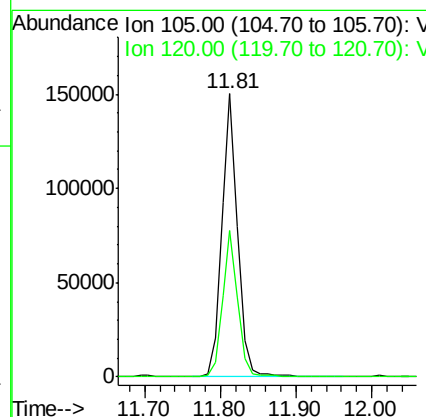
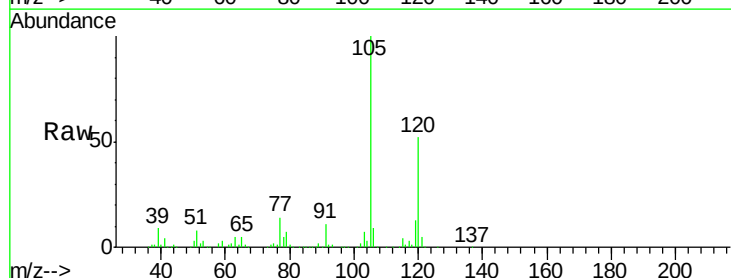
Acq: 14 Jan 2019 14:12

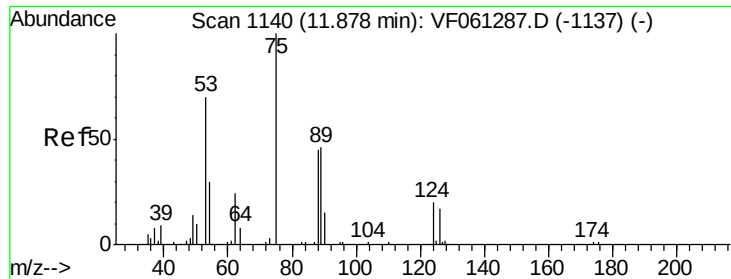
Tgt Ion:105 Resp: 222202

Ion Ratio Lower Upper

105 100

120 51.7 25.2 75.6

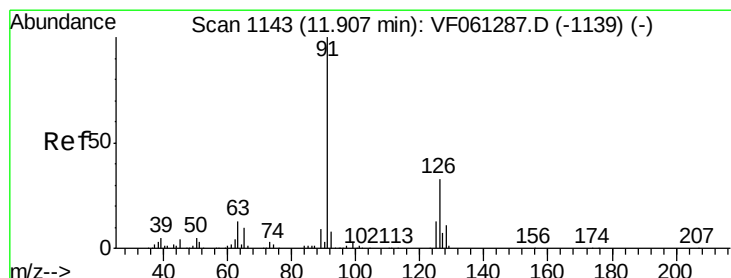
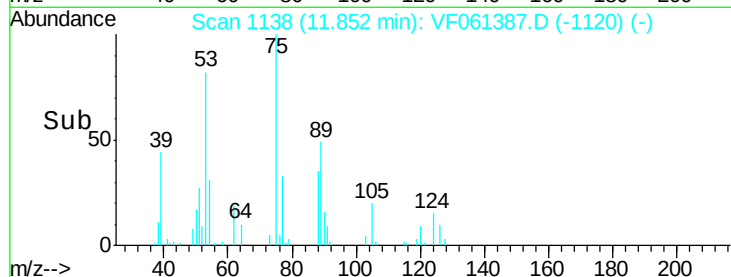
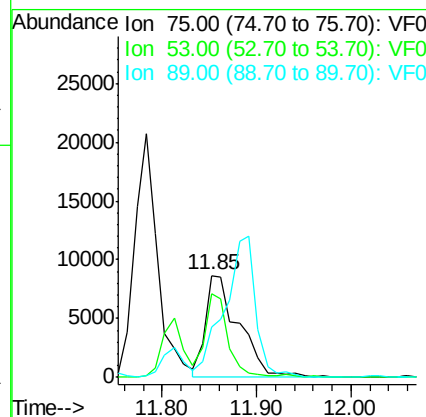
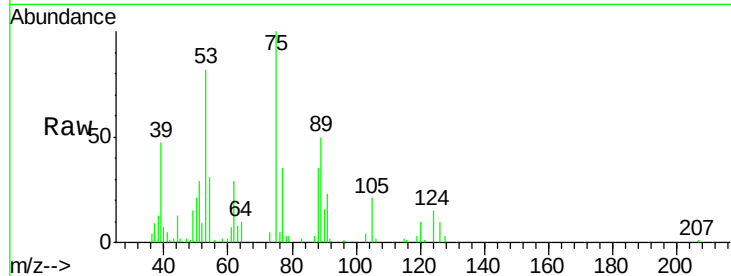




#81
trans-1,4-Dichloro-2-butene
Concen: 30.425 ug/l
RT: 11.85 min Scan# 1138
Delta R.T. -0.03 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

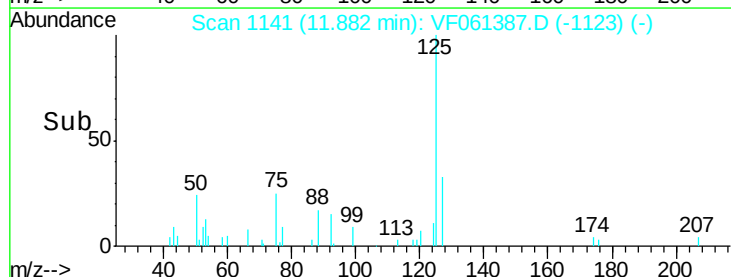
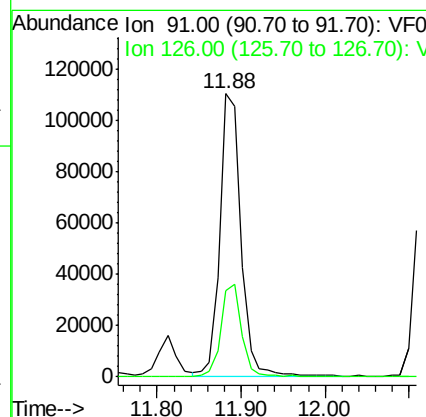
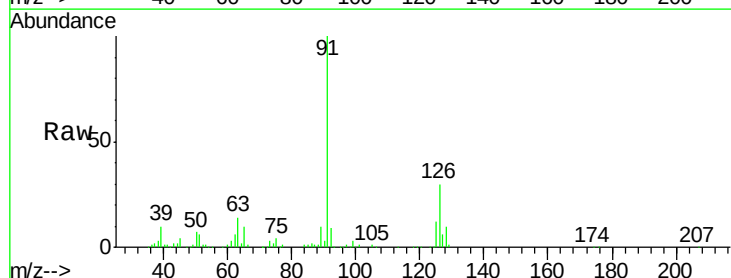
Instrument :
MSVOA_F
ClientSampleId :

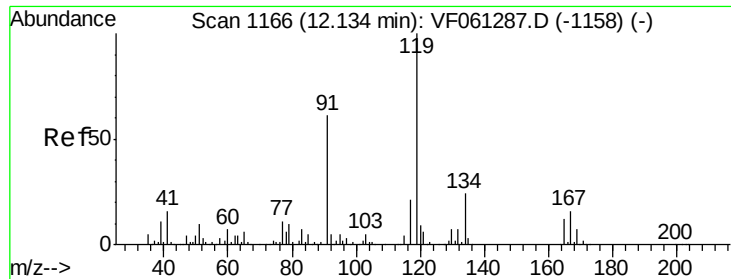
Tot Ion: 75 Resp: 21464
Ion Ratio Lower Upper
75 100
53 81.9 62.2 93.2
89 50.1 40.2 60.4



#82
4-Chlorotoluene
Concen: 20.378 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Tgt Ion: 91 Resp: 190949
Ion Ratio Lower Upper
91 100
126 30.3 16.4 49.4

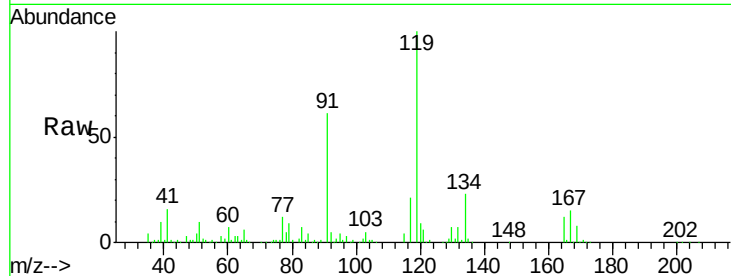




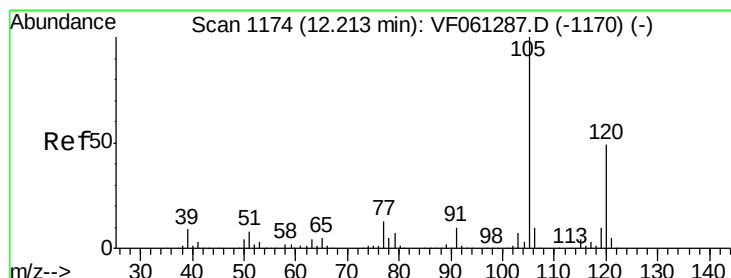
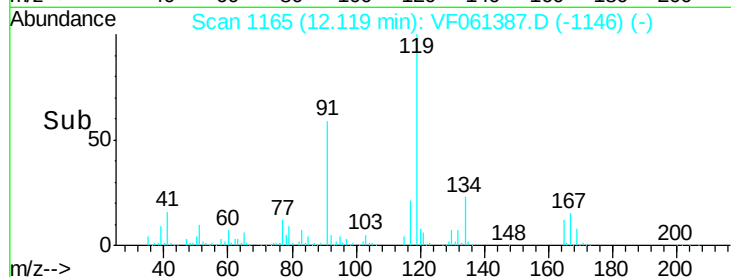
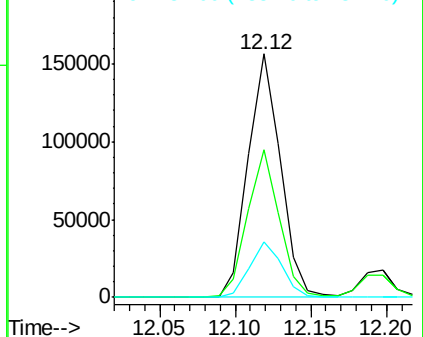
#83
tert-Butylbenzene
Concen: 21.379 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.8	30.8	92.4
134	22.9	11.9	35.9

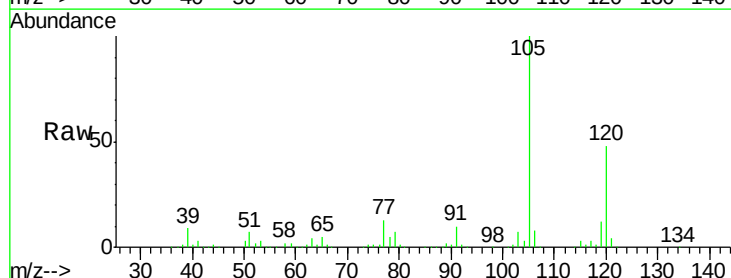


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

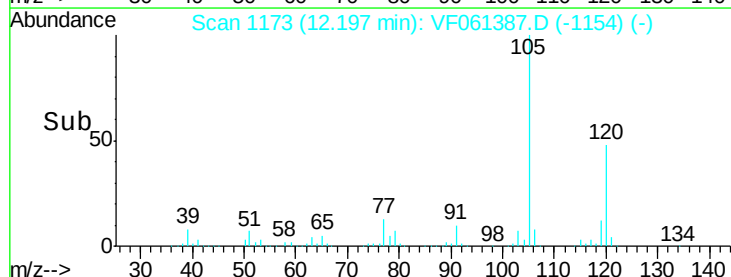
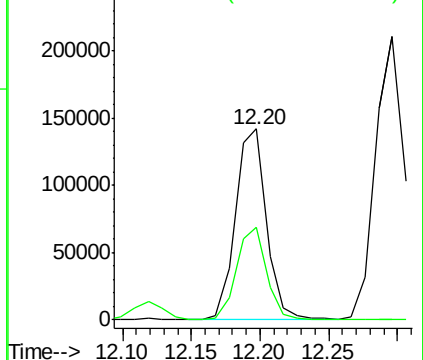


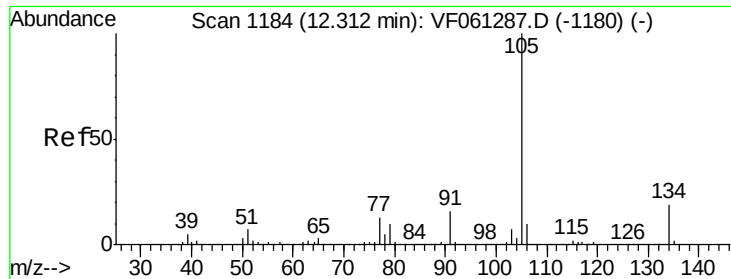
#84
1,2,4-Trimethylbenzene
Concen: 20.410 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.02 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	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: 20.154 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

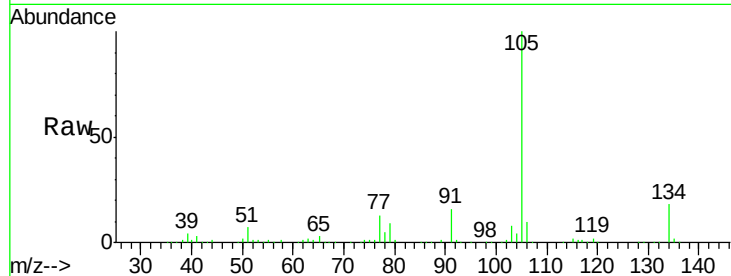
ClientSampled :

Tot Ion:105 Resp: 315811

Ion Ratio Lower Upper

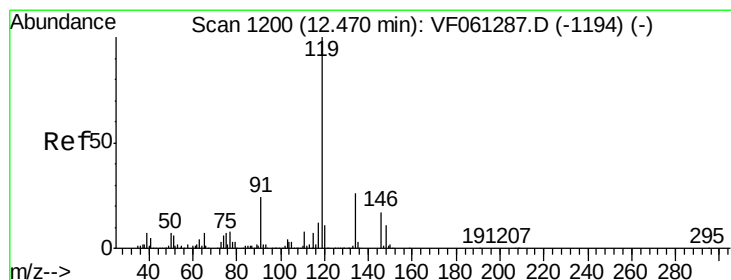
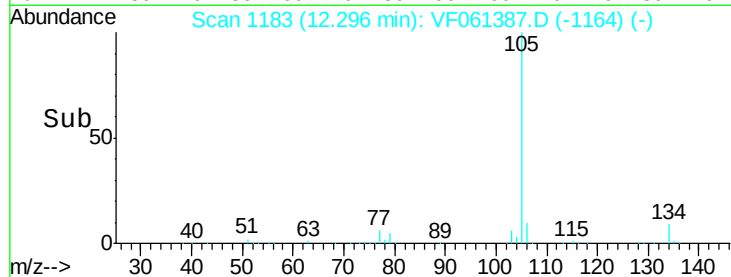
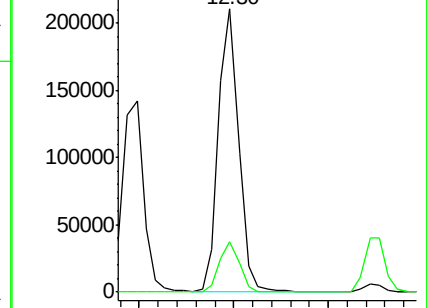
105 100

134 18.0 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.385 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

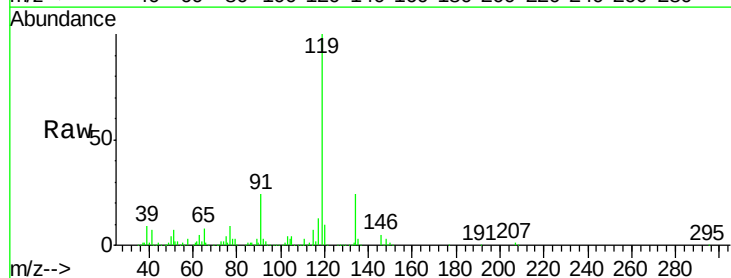
Tgt Ion:119 Resp: 259820

Ion Ratio Lower Upper

119 100

134 24.1 13.0 39.0

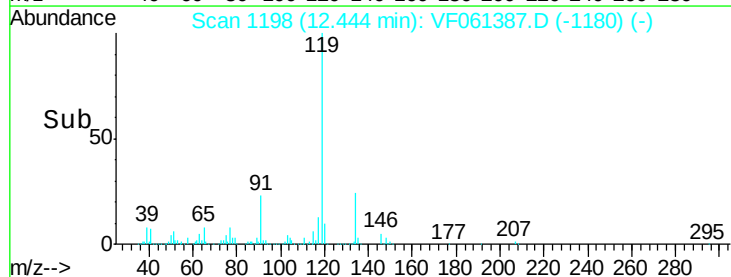
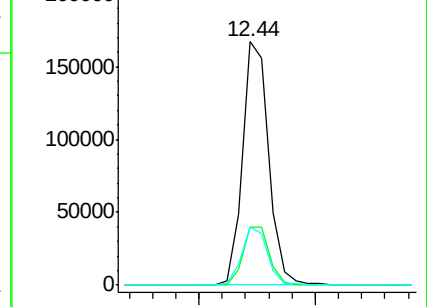
91 23.9 12.2 36.4

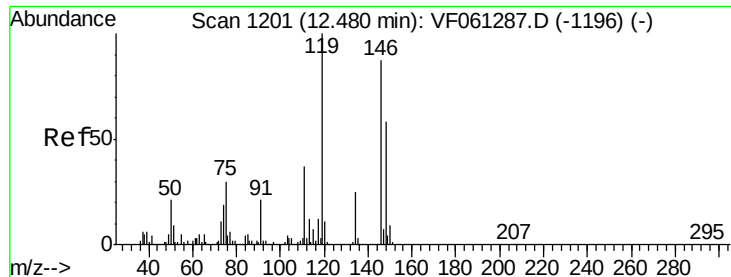


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 20.929 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

ClientSampled :

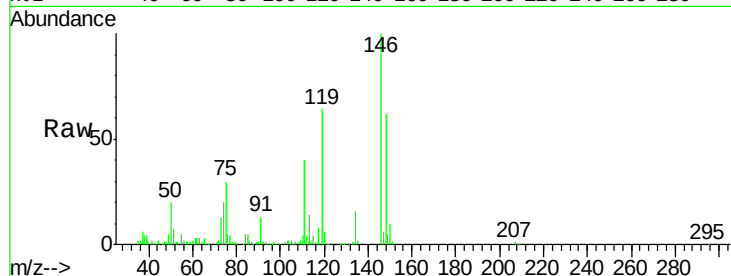
Tot Ion:146 Resp: 112879

Ion Ratio Lower Upper

146 100

111 39.9 21.1 63.3

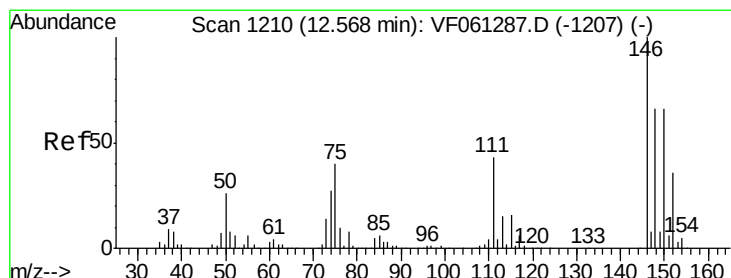
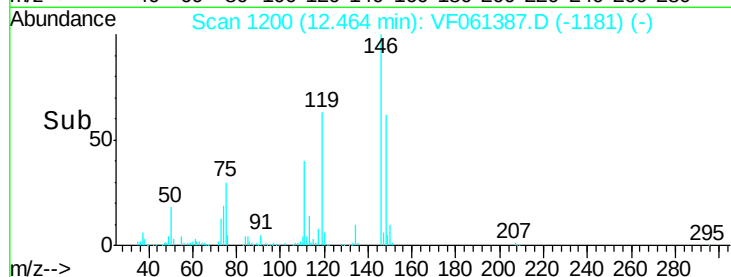
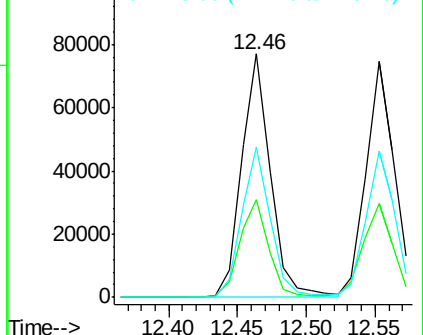
148 61.7 33.1 99.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.049 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

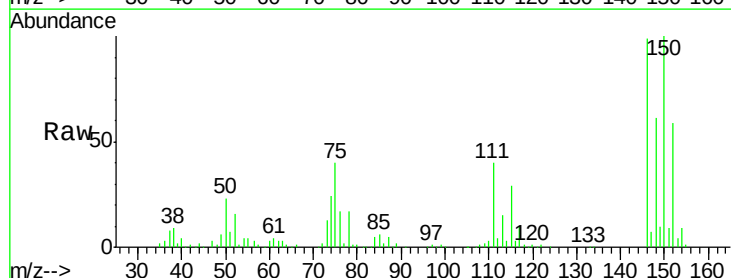
Tgt Ion:146 Resp: 109141

Ion Ratio Lower Upper

146 100

111 39.8 21.4 64.2

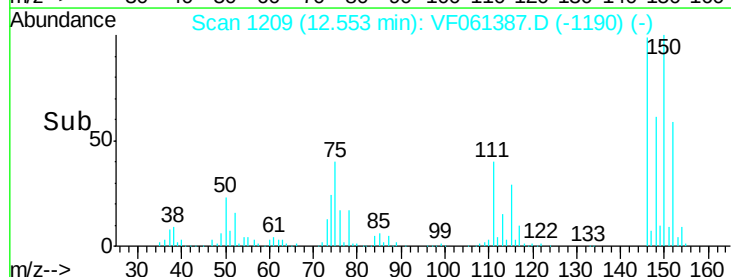
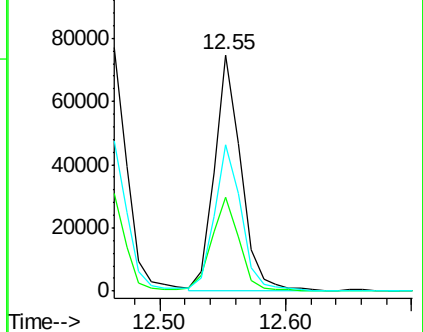
148 62.0 33.0 98.9

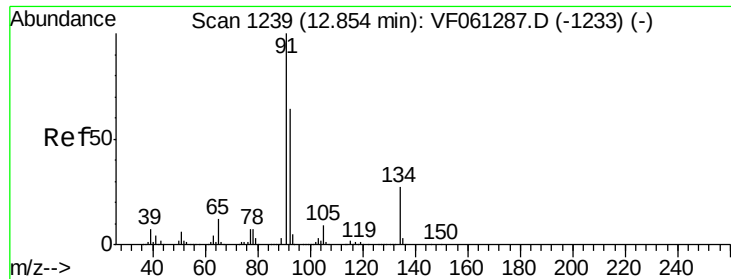


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 21.385 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.03 min

Lab File: VF061387.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_F

ClientSampleId :

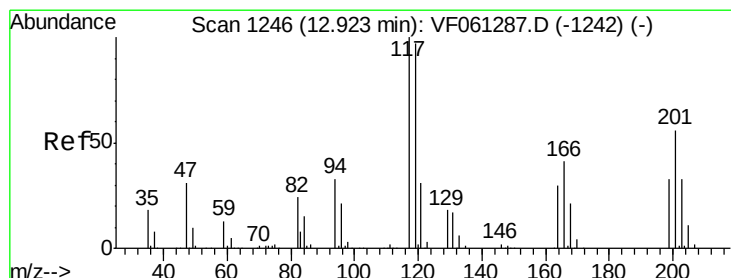
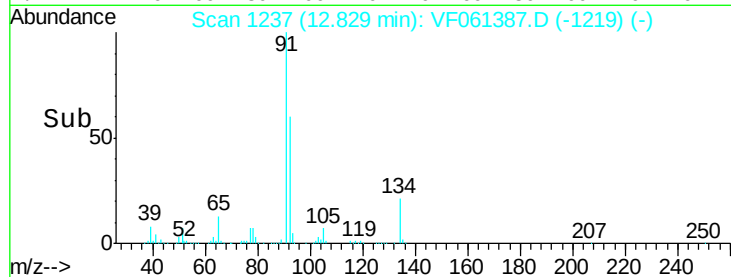
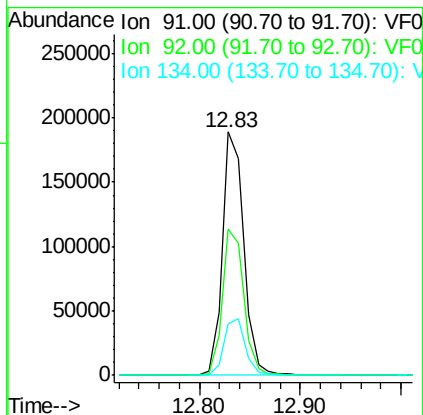
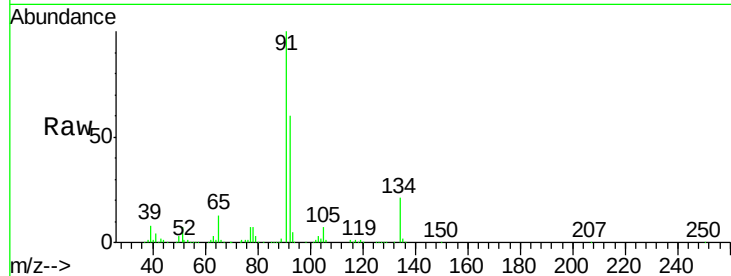
Tot Ion: 91 Resp: 280058

Ion Ratio Lower Upper

91 100

92 60.0 32.1 96.3

134 21.2 13.4 40.1



#90

Hexachloroethane

Concen: 20.954 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VF061387.D

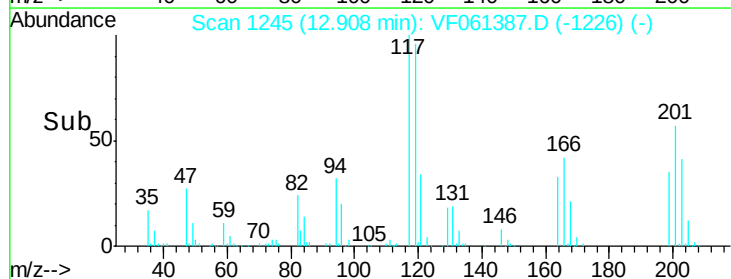
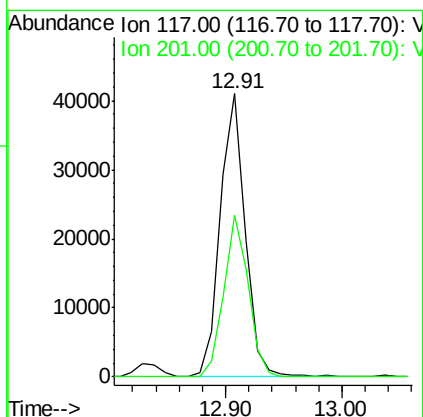
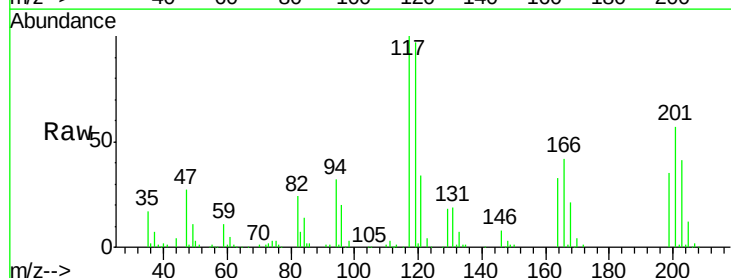
Acq: 14 Jan 2019 14:12

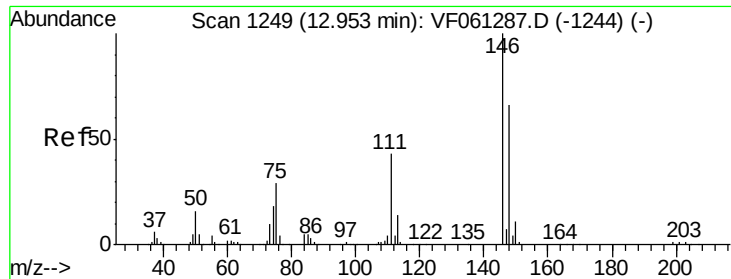
Tgt Ion: 117 Resp: 61093

Ion Ratio Lower Upper

117 100

201 57.4 27.9 83.7

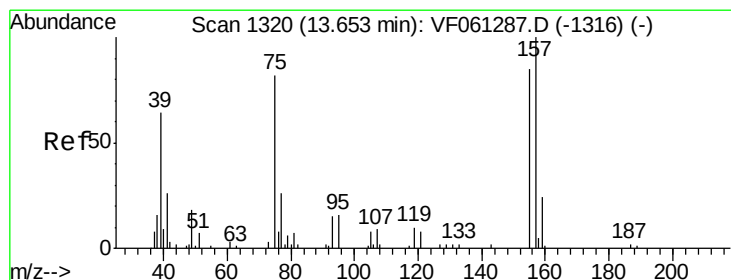
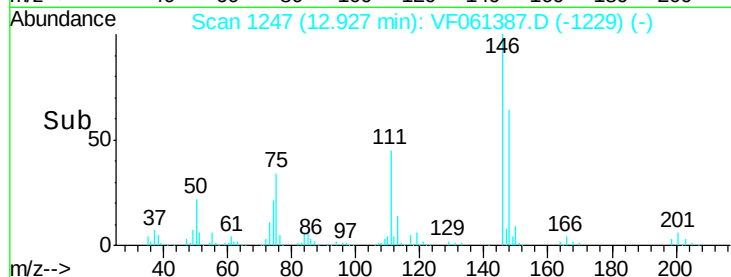
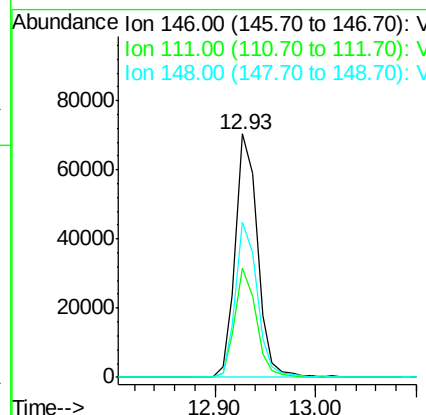
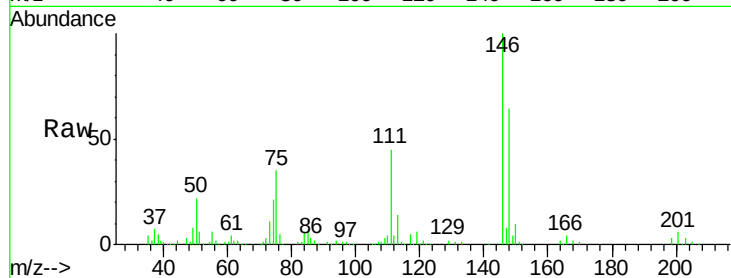




#91
 1,2-Dichlorobenzene
 Concen: 21.102 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.03 min
 Lab File: VF061387.D
 Acq: 14 Jan 2019 14:12

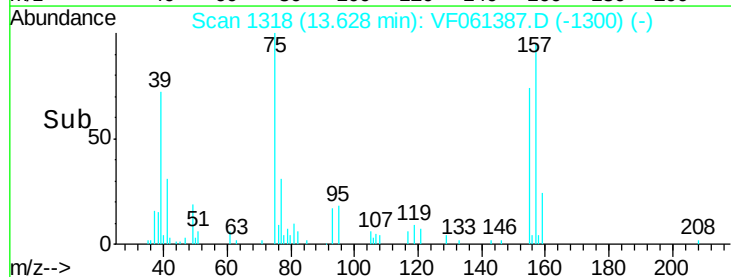
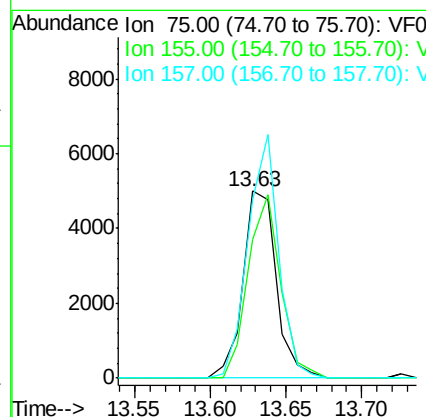
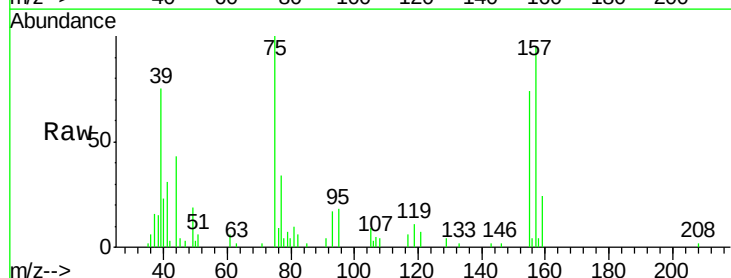
Instrument :
 MSVOA_F
 ClientSampleId :

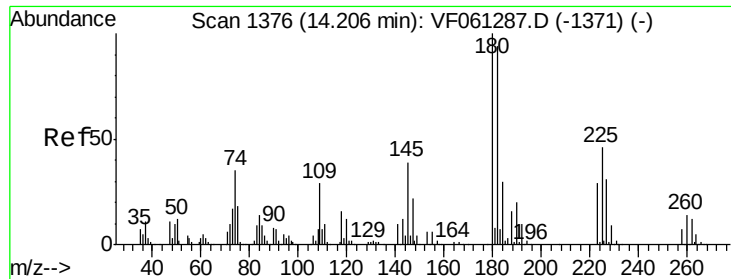
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.4	64.3
148	64.0	33.1	99.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.599 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.03 min
 Lab File: VF061387.D
 Acq: 14 Jan 2019 14:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	51.3	154.0
157	95.2	60.7	182.0

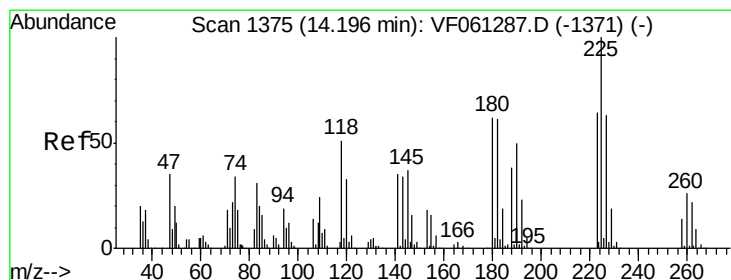
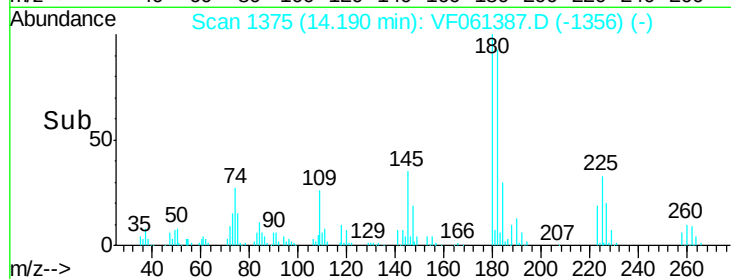
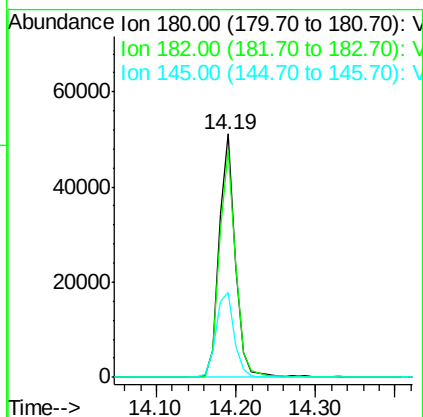
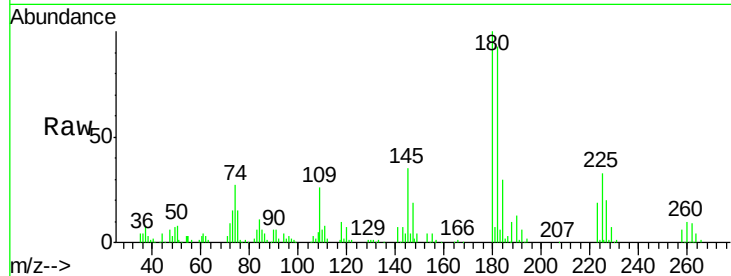




#93
 1,2,4-Trichlorobenzene
 Concen: 20.734 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061387.D
 Acq: 14 Jan 2019 14:12

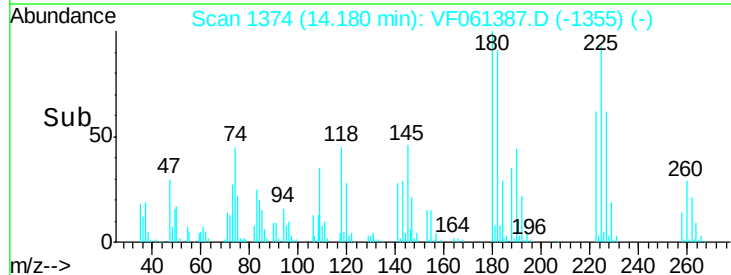
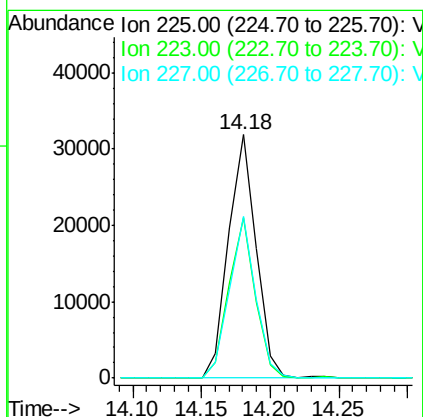
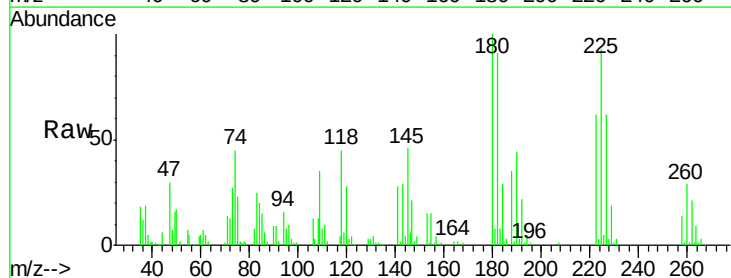
Instrument :
 MSVOA_F
 ClientSampleId :

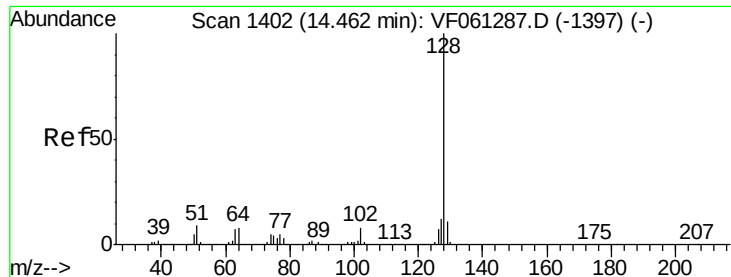
Tot Ion:180 Resp: 73451
 Ion Ratio Lower Upper
 180 100
 182 93.4 47.0 141.2
 145 34.7 19.7 59.1



#94
 Hexachlorobutadiene
 Concen: 19.604 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061387.D
 Acq: 14 Jan 2019 14:12

Tgt Ion:225 Resp: 44710
 Ion Ratio Lower Upper
 225 100
 223 66.1 31.8 95.4
 227 66.3 31.3 93.9

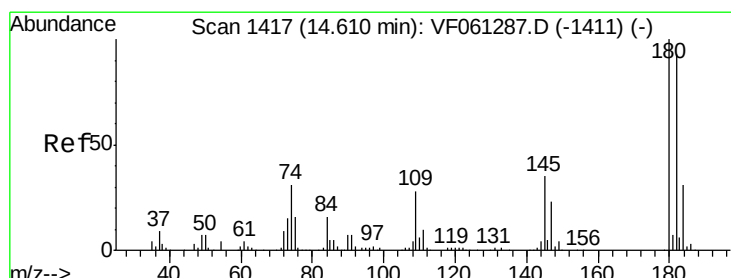
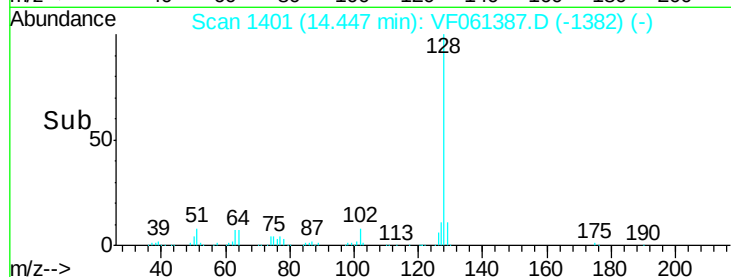
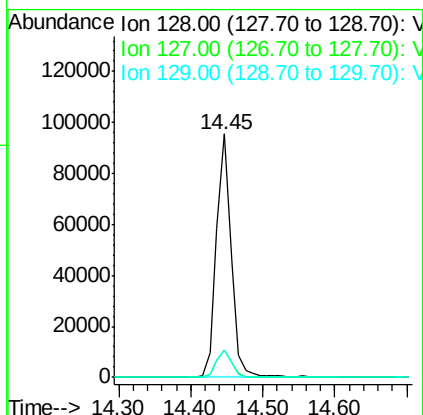
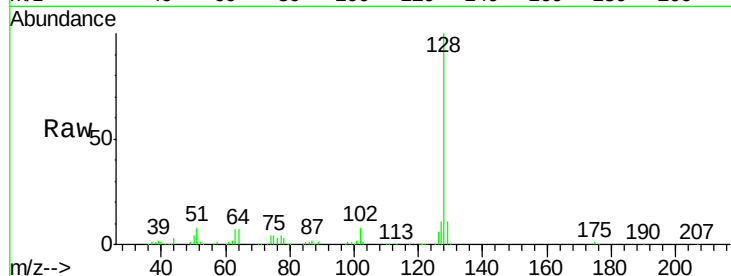




#95
Naphthalene
Concen: 20.073 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 134011
Ion Ratio Lower Upper
128 100
127 11.0 9.4 14.0
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.012 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF061387.D
Acq: 14 Jan 2019 14:12

Tgt Ion:180 Resp: 63444
Ion Ratio Lower Upper
180 100
182 99.2 46.5 139.3
145 34.3 17.5 52.6

