

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122118\
 Data File : VF061138.D
 Acq On : 21 Dec 2018 21:03
 Operator : VA/AP
 Sample : J6377-17MSD
 Misc : 4.82g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

Quant Time: Dec 21 21:52:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	79819	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.64	114	136155	50.00	ug/l	0.05
63) Chlorobenzene-d5	9.82	117	109432	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.58	152	46850	50.00	ug/l	0.04

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.89	65	52910	51.54	ug/l	0.05
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	4.16	113	52627	48.25	ug/l	0.05
Spiked Amount	50.000		Recovery	=	96.50%	
50) Toluene-d8	7.59	98	155695	50.37	ug/l	0.04
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	11.44	95	59280	41.60	ug/l	0.03
Spiked Amount	50.000		Recovery	=	83.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	73003	41.144	ug/l	99
3) Chloromethane	1.11	50	40550	39.897	ug/l	95
4) Vinyl Chloride	1.15	62	38550	40.887	ug/l	95
5) Bromomethane	1.35	94	29179	44.619	ug/l	94
6) Chloroethane	1.40	64	19408	44.674	ug/l #	86
7) Trichlorofluoromethane	1.51	101	80699	44.827	ug/l	92
8) Diethyl Ether	1.64	74	13359	54.190	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.84	101	41066	43.996	ug/l	95
10) Methyl Iodide	1.91	142	60204	40.918	ug/l	94
11) Tert butyl alcohol	2.61	59	13828	333.785	ug/l #	93
12) 1,1-Dichloroethene	1.81	96	31981	45.453	ug/l	95
13) Acrolein	2.03	56	4709	157.305	ug/l	92
14) Allyl chloride	2.12	41	27705	37.837	ug/l	95
15) Acrylonitrile	2.97	53	28908	301.762	ug/l	90
16) Acetone	2.26	43	43772	213.282	ug/l	98
17) Carbon Disulfide	1.85	76	87899	41.339	ug/l #	93
18) Methyl Acetate	2.37	43	61602	145.081	ug/l	97
19) Methyl tert-butyl Ether	2.46	73	77982	49.932	ug/l	99
20) Methylene Chloride	2.26	84	28164	42.248	ug/l	94
21) trans-1,2-Dichloroethene	2.33	96	23390	31.081	ug/l	89
22) Diisopropyl ether	2.83	45	113318	46.461	ug/l	93
23) Vinyl Acetate	3.23	43	55752	49.550	ug/l	99
24) 1,1-Dichloroethane	2.90	63	65390	45.249	ug/l	96
25) 2-Butanone	4.39	43	91151	273.854	ug/l	98
26) 2,2-Dichloropropane	3.64	77	40073	48.321	ug/l	99
27) cis-1,2-Dichloroethene	3.51	96	50706	44.012	ug/l	98
28) Bromochloromethane	3.75	49	35724	48.720	ug/l	83
29) Tetrahydrofuran	4.12	42	43469	320.872	ug/l	99
30) Chloroform	3.90	83	102447	47.280	ug/l	96
31) Cyclohexane	3.71	56	67314	44.890	ug/l	93
32) 1,1,1-Trichloroethane	4.14	97	68125	52.454	ug/l	98
36) 1,1-Dichloropropene	4.32	75	71211	43.329	ug/l	96
37) Ethyl Acetate	4.15	43	37391	60.804	ug/l #	70
38) Carbon Tetrachloride	4.03	117	59067	47.194	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	63025	42.746	ug/l	95
40) Benzene	4.67	78	175297	49.598	ug/l	99
41) Methacrylonitrile	4.79	41	20888	60.181	ug/l	91
42) 1,2-Dichloroethane	4.99	62	64474	48.021	ug/l	97
43) Isopropyl Acetate	7.00	43	39195	49.392	ug/l	96
44) Trichloroethene	5.55	130	49372	44.308	ug/l	97
45) 1,2-Dichloropropane	6.28	63	45143	46.947	ug/l	94
46) Dibromomethane	6.13	93	31579	50.635	ug/l	97
47) Bromodichloromethane	6.43	83	73968	45.647	ug/l	97
48) Methyl methacrylate	6.76	41	34329	61.967	ug/l	93
49) 1,4-Dioxane	6.75	88	5257	1307.802	ug/l	88
51) 4-Methyl-2-Pentanone	8.30	43	176339	324.010	ug/l	98
52) Toluene	7.66	92	109923	46.985	ug/l	88
53) t-1,3-Dichloropropene	8.32	75	64667	49.469	ug/l	94
54) cis-1,3-Dichloropropene	7.33	75	71879	43.811	ug/l	97
55) 1,1,2-Trichloroethane	8.53	97	36524	52.076	ug/l	94
56) Ethyl methacrylate	8.66	69	35759	47.118	ug/l	94
57) 1,3-Dichloropropane	8.89	76	62839	49.538	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.33	63	13717	94.109	ug/l #	80
59) 2-Hexanone	9.53	43	104906	266.542	ug/l	97
60) Dibromochloromethane	8.76	129	46436	46.188	ug/l	99
61) 1,2-Dibromoethane	9.03	107	37833	50.508	ug/l	98
64) Tetrachloroethene	8.19	164	39416	46.823	ug/l	92
65) Chlorobenzene	9.84	112	111240	49.206	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.97	131	47937	51.888	ug/l	98
67) Ethyl Benzene	9.94	91	210218	51.041	ug/l	99
68) m/p-Xylenes	10.18	106	145989	100.722	ug/l	97
69) o-Xylene	10.75	106	78481	48.821	ug/l	94
70) Styrene	10.83	104	106145	54.641	ug/l	94
71) Bromoform	10.81	173	22631	52.948	ug/l #	88
73) Isopropylbenzene	11.15	105	209179	51.811	ug/l	98
74) N-amyl acetate	11.40	43	47868	53.403	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.72	83	49935	74.523	ug/l	92
76) 1,2,3-Trichloropropane	11.82	75	36754	73.706	ug/l	95
77) Bromobenzene	11.53	156	47029	54.113	ug/l	89
78) n-propylbenzene	11.63	91	248855	54.573	ug/l	100
79) 2-Chlorotoluene	11.75	91	141947	51.252	ug/l	99
80) 1,3,5-Trimethylbenzene	11.85	105	166675	50.137	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.90	75	19385	90.467	ug/l	88
82) 4-Chlorotoluene	11.93	91	141789	49.489	ug/l	98
83) tert-Butylbenzene	12.16	119	176543	51.607	ug/l	99
84) 1,2,4-Trimethylbenzene	12.24	105	167567	50.546	ug/l	99
85) sec-Butylbenzene	12.34	105	209061	46.829	ug/l	99
86) p-Isopropyltoluene	12.48	119	171047	46.159	ug/l	99
87) 1,3-Dichlorobenzene	12.50	146	76324	54.272	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	79690	49.935	ug/l	97
89) n-Butylbenzene	12.87	91	163292	42.059	ug/l	92
90) Hexachloroethane	12.95	117	42201	46.095	ug/l	90
91) 1,2-Dichlorobenzene	12.97	146	74097	47.690	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.67	75	8239	67.006	ug/l	92

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

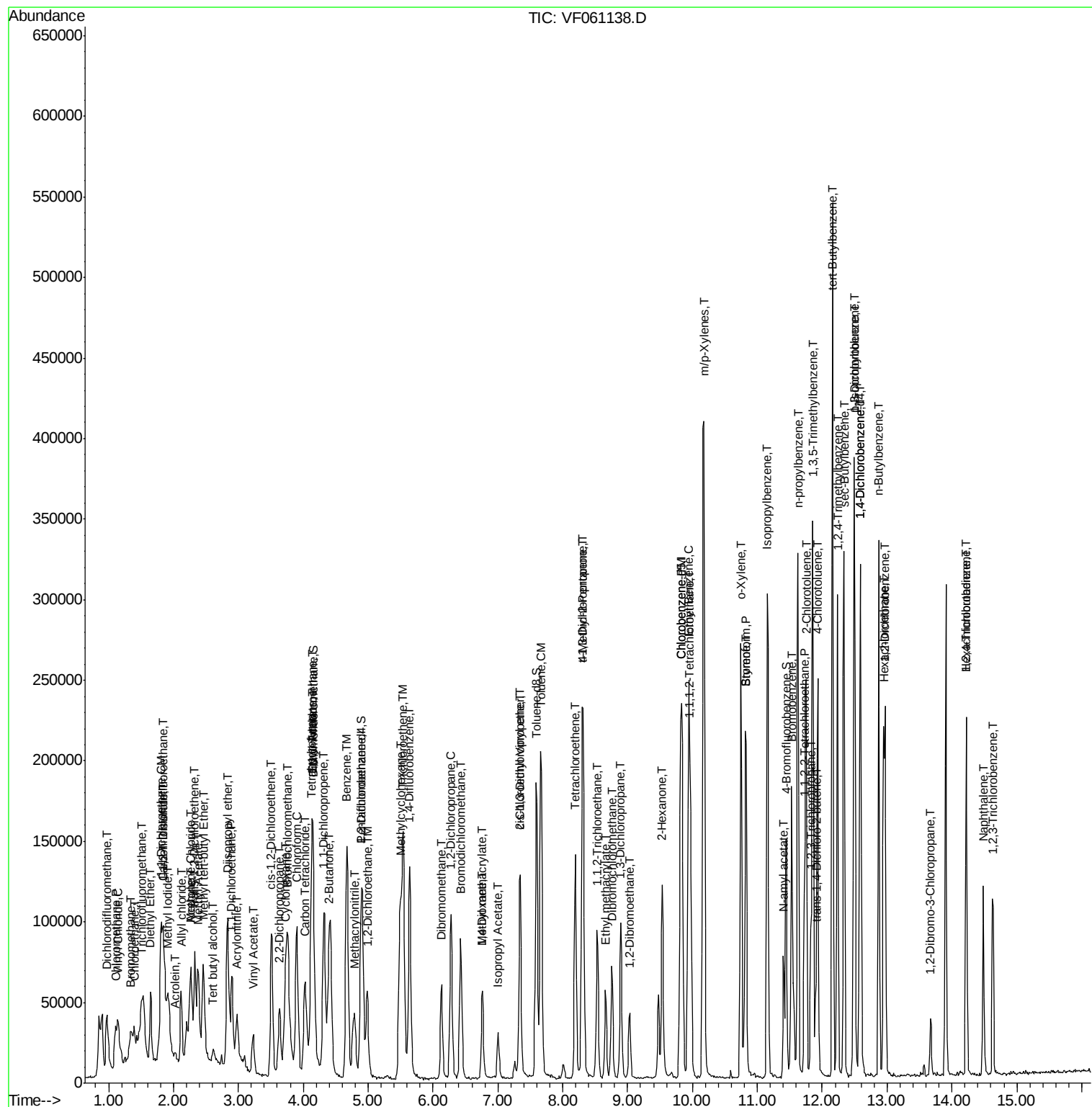
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	34977	31.743	ug/l	96
94) Hexachlorobutadiene	14.22	225	17104	24.372	ug/l	91
95) Naphthalene	14.49	128	84067	41.781	ug/l	97
96) 1,2,3-Trichlorobenzene	14.63	180	30472	29.914	ug/l	96

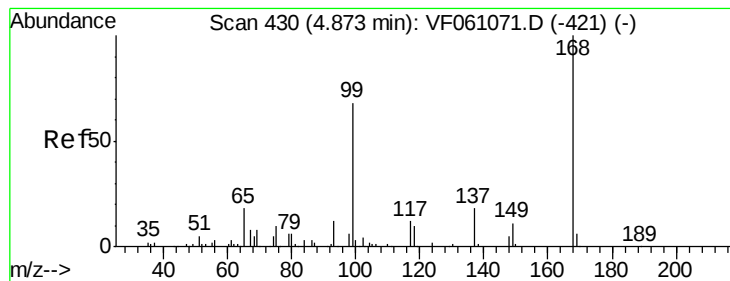
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

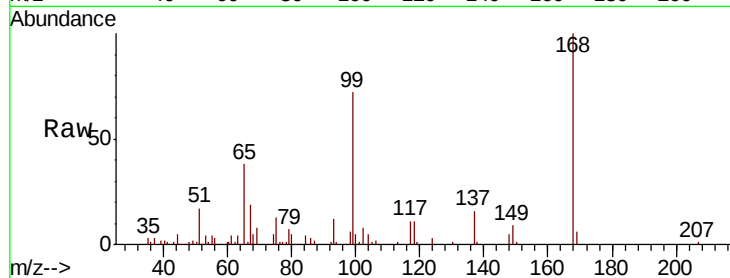
P001-SD006-0612-01MSD

Tot Ion:168 Resp: 79819

Ion Ratio Lower Upper

168 100

99 72.2 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

25000

20000

15000

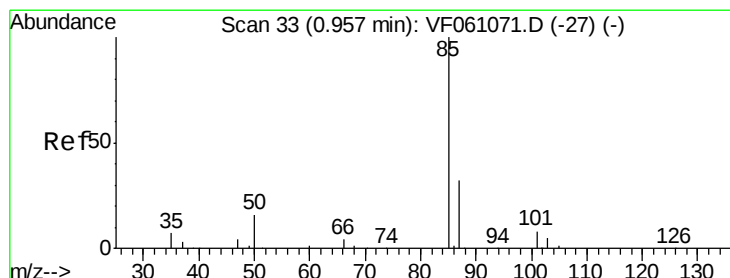
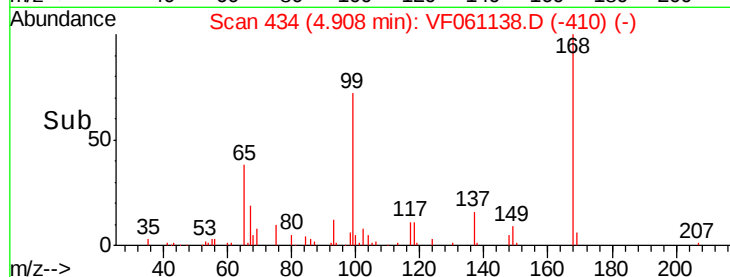
10000

5000

0

4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.144 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.02 min

Lab File: VF061138.D

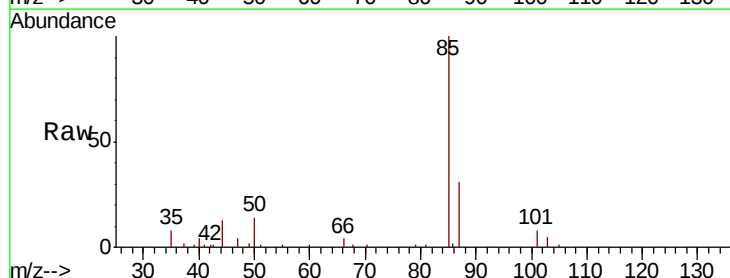
Acq: 21 Dec 2018 21:03

Tgt Ion: 85 Resp: 73003

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

20000

15000

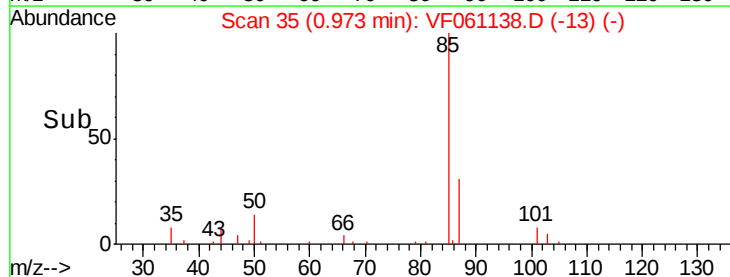
10000

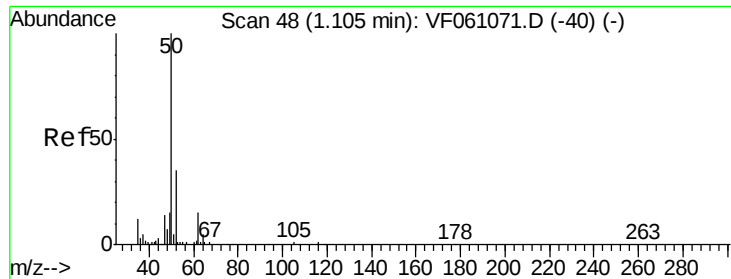
5000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 39.897 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

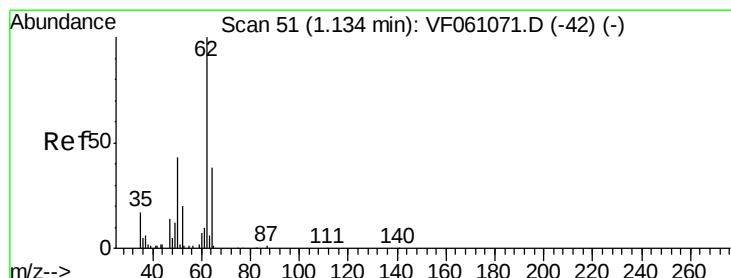
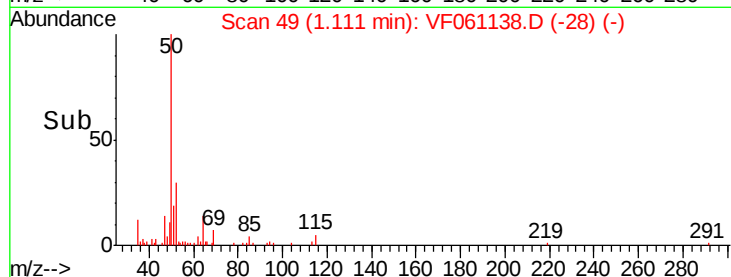
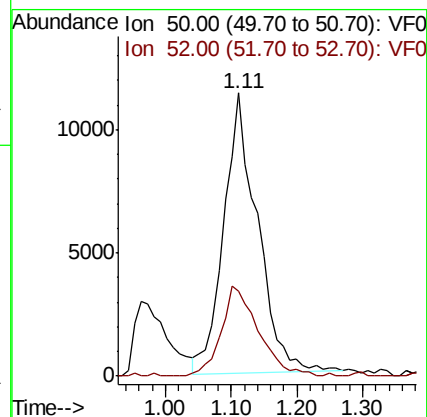
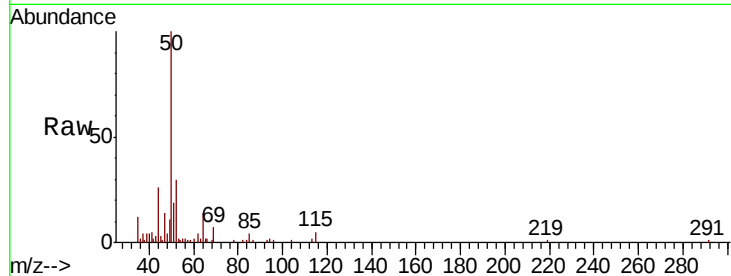
P001-SD006-0612-01MSD

Tot Ion: 50 Resp: 40550

Ion Ratio Lower Upper

50 100

52 30.0 26.3 39.5



#4

Vinyl Chloride

Concen: 40.887 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.02 min

Lab File: VF061138.D

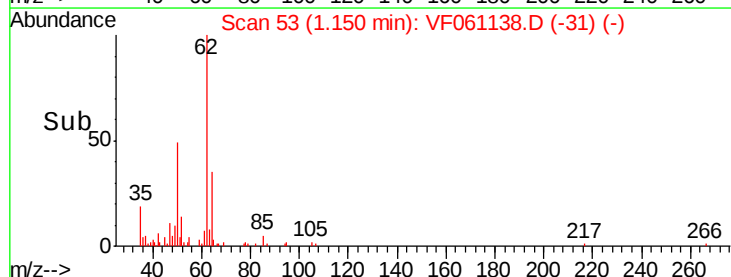
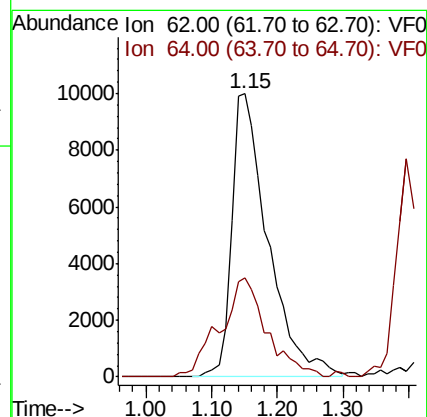
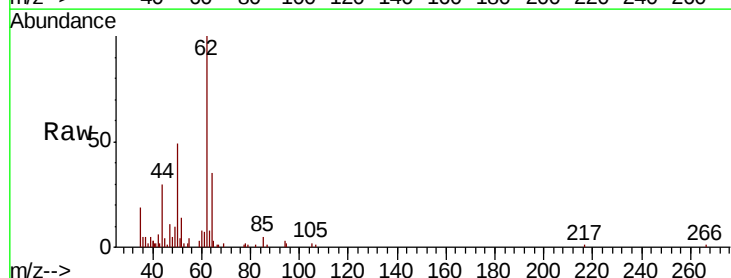
Acq: 21 Dec 2018 21:03

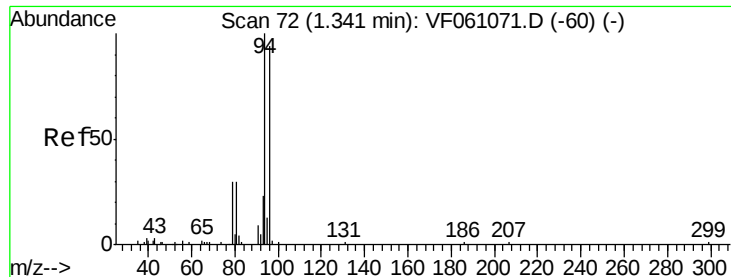
Tgt Ion: 62 Resp: 38550

Ion Ratio Lower Upper

62 100

64 35.0 30.4 45.6





#5

Bromomethane

Concen: 44.619 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

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ClientSampleId :

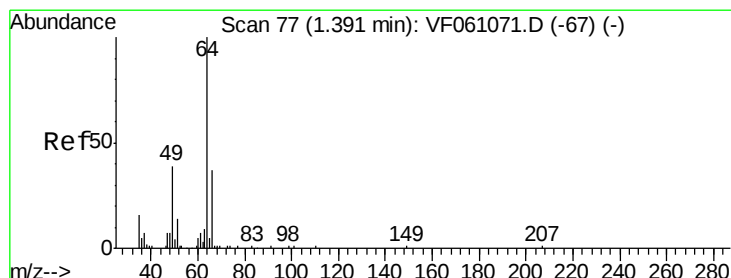
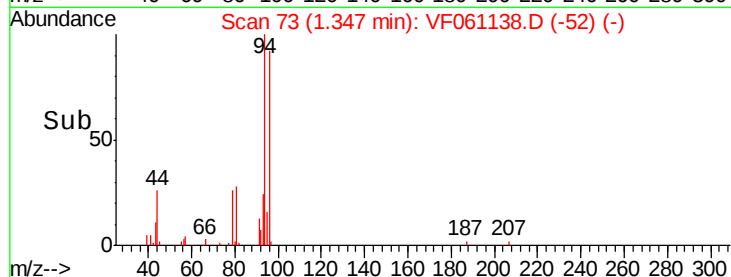
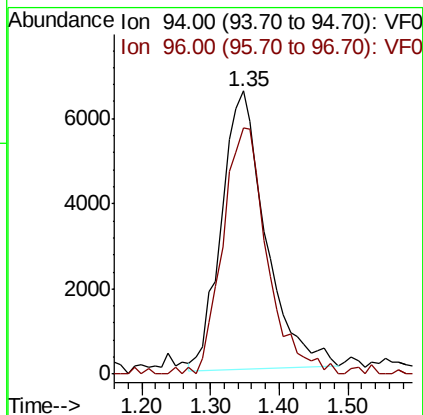
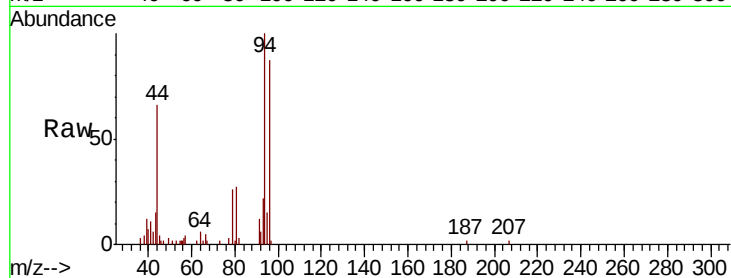
P001-SD006-0612-01MSD

Tot Ion: 94 Resp: 29179

Ion Ratio Lower Upper

94 100

96 86.9 74.4 111.6



#6

Chloroethane

Concen: 44.674 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061138.D

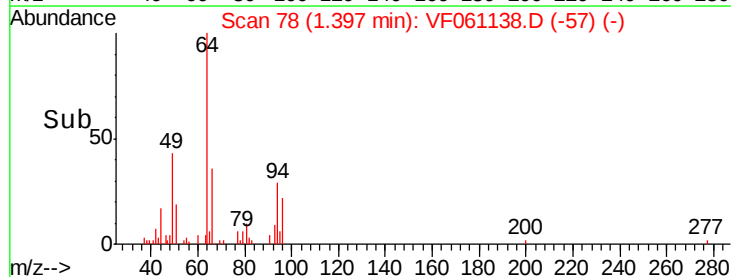
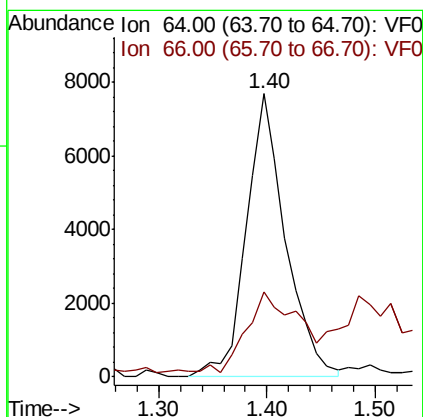
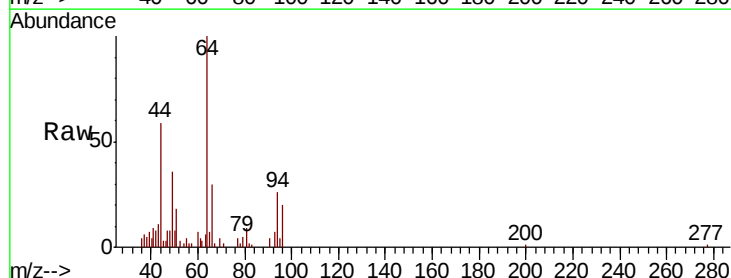
Acq: 21 Dec 2018 21:03

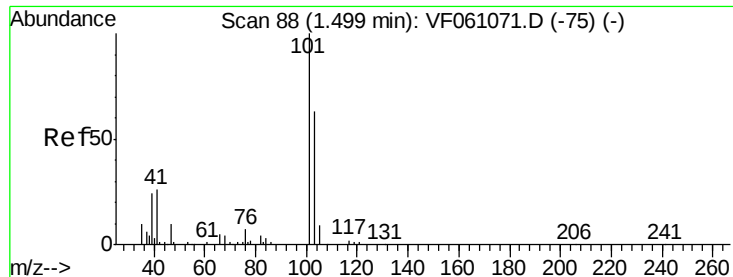
Tgt Ion: 64 Resp: 19408

Ion Ratio Lower Upper

64 100

66 30.2 30.9 46.3#





#7

Trichlorofluoromethane

Concen: 44.827 ug/l

RT: 1.51 min Scan# 89

Delta R.T. 0.01 min

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ClientSampleId :

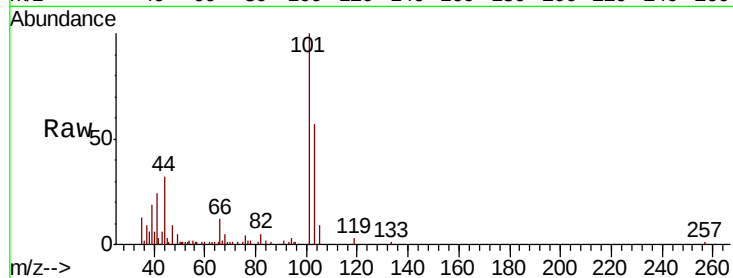
P001-SD006-0612-01MSD

Tot Ion:101 Resp: 80699

Ion Ratio Lower Upper

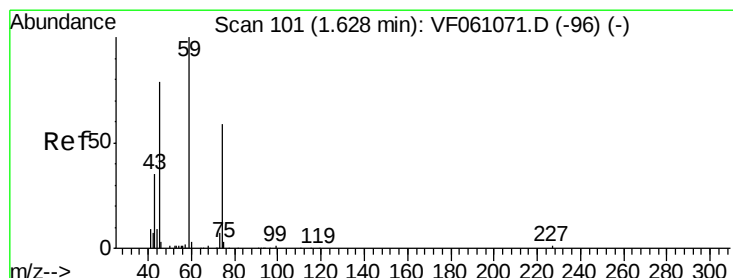
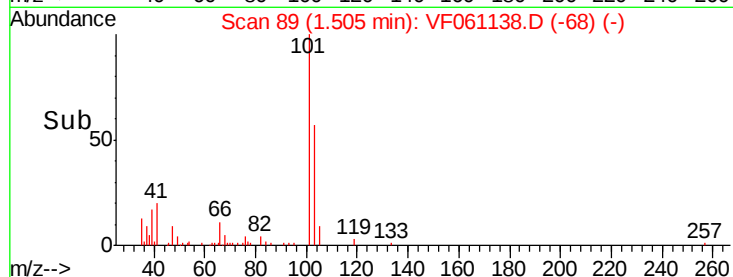
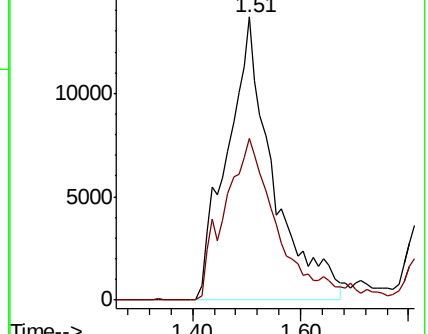
101 100

103 57.3 50.7 76.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 54.190 ug/l

RT: 1.64 min Scan# 103

Delta R.T. 0.02 min

Lab File: VF061138.D

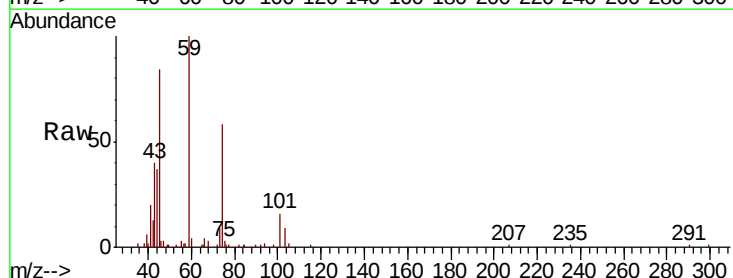
Acq: 21 Dec 2018 21:03

Tgt Ion: 74 Resp: 13359

Ion Ratio Lower Upper

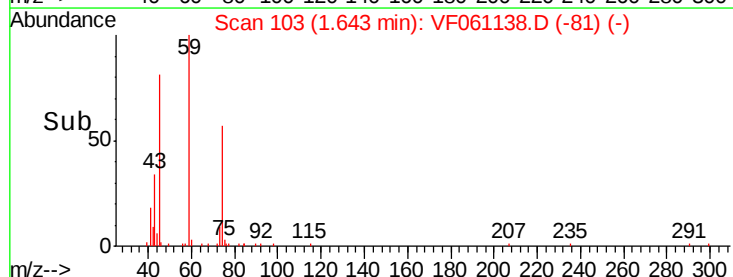
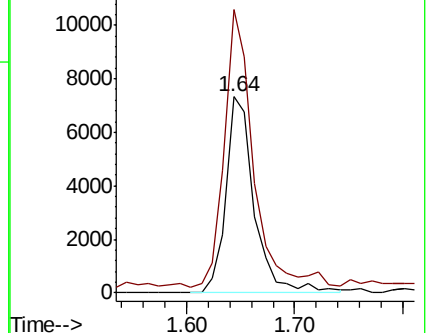
74 100

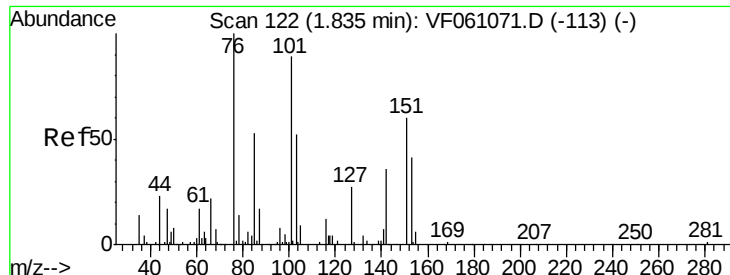
45 144.4 67.8 203.4



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: 43.996 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

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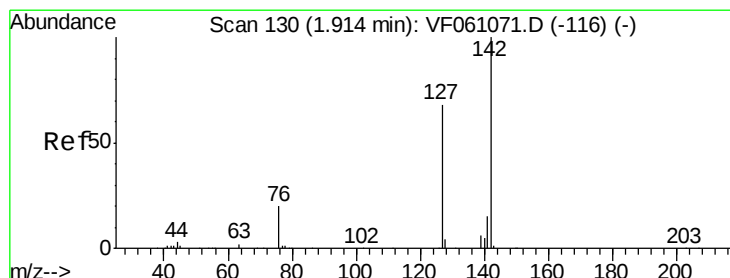
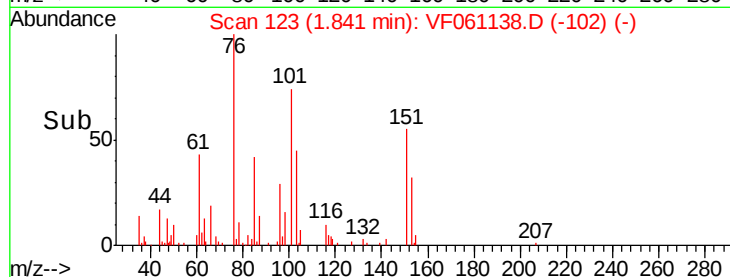
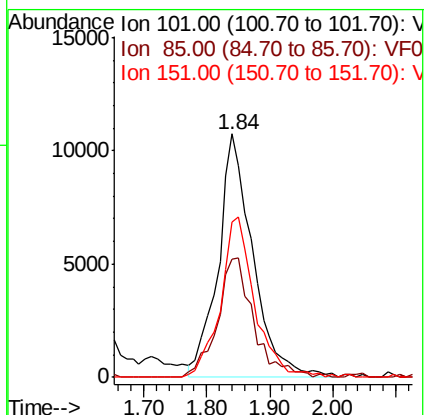
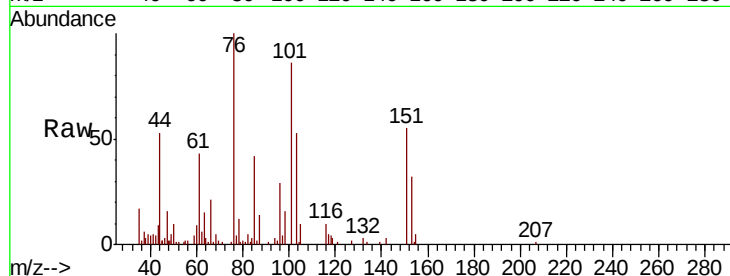
Tot Ion:101 Resp: 41066

Ion Ratio Lower Upper

101 100

85 48.8 44.5 66.7

151 63.8 49.9 74.9



#10

Methyl Iodide

Concen: 40.918 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

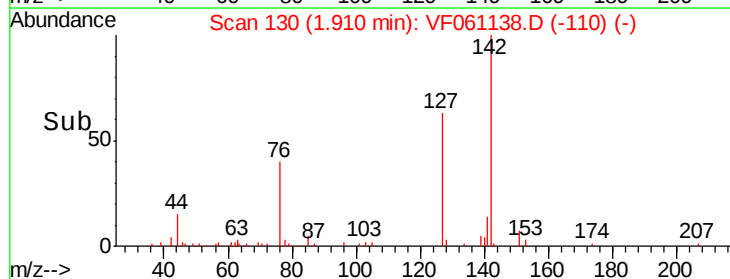
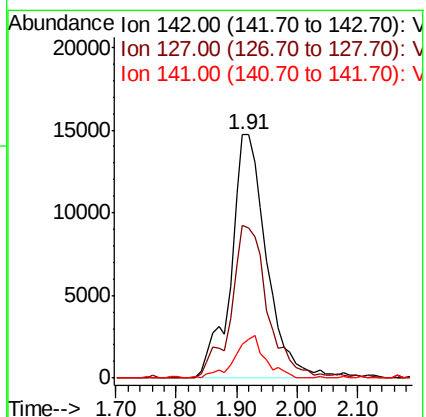
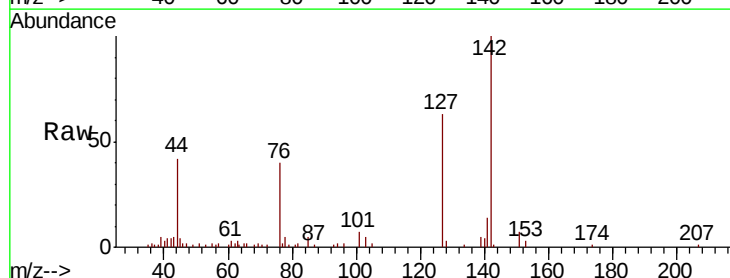
Tgt Ion:142 Resp: 60204

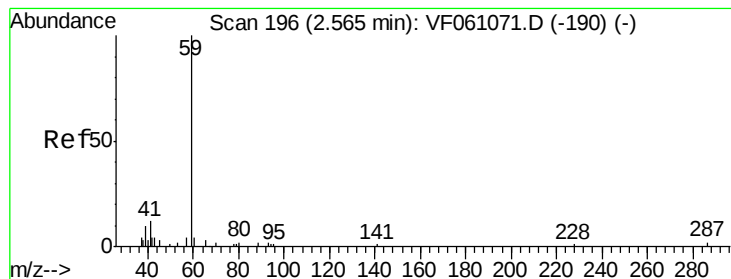
Ion Ratio Lower Upper

142 100

127 62.5 54.7 82.1

141 14.0 12.2 18.2



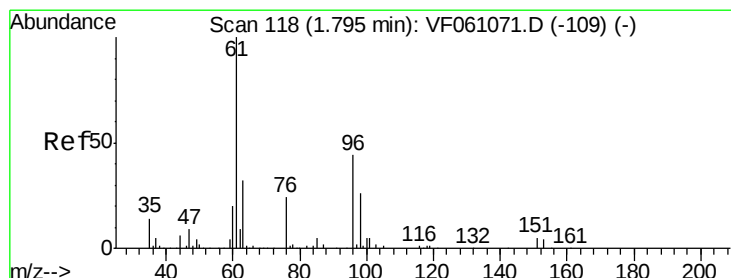
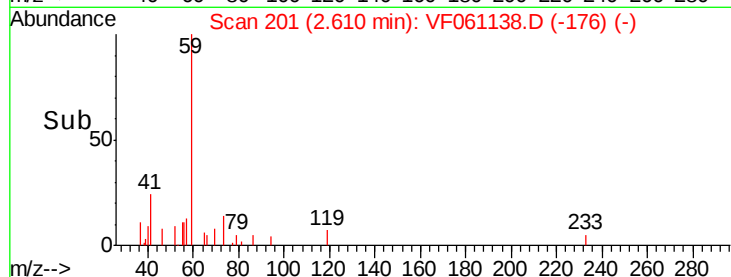
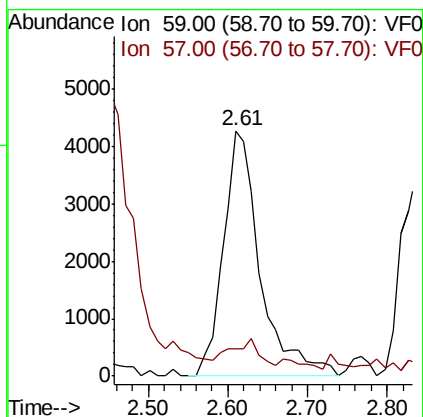
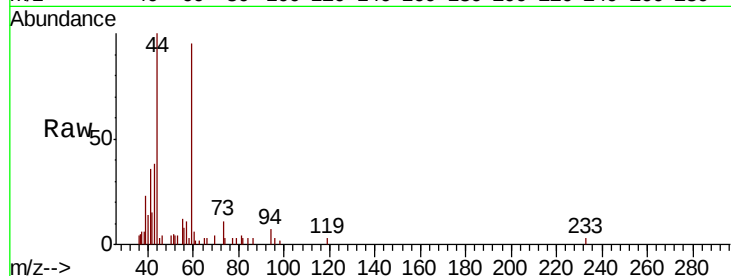


#11

Tert butyl alcohol
Concen: 333.785 ug/l
RT: 2.61 min Scan# 201
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

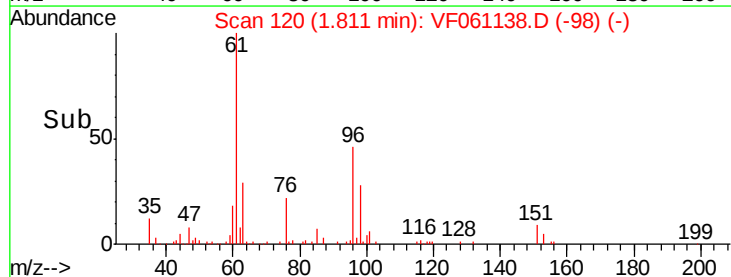
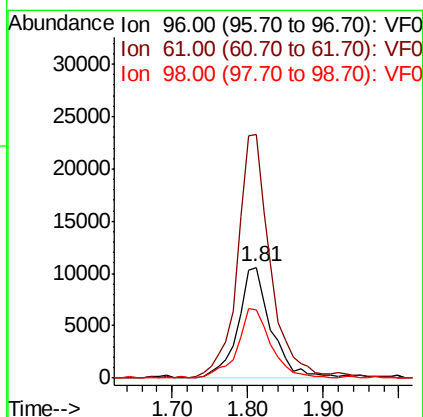
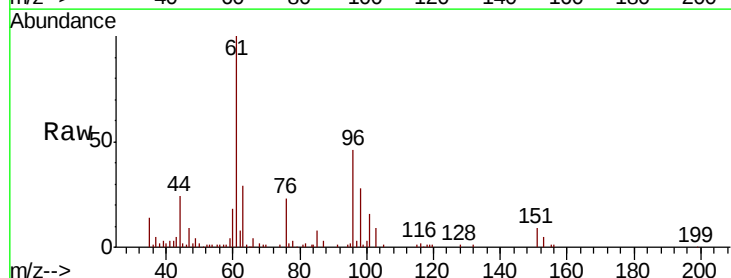
Tot Ion: 59 Resp: 13828
Ion Ratio Lower Upper
59 100
57 11.4 11.5 17.3#

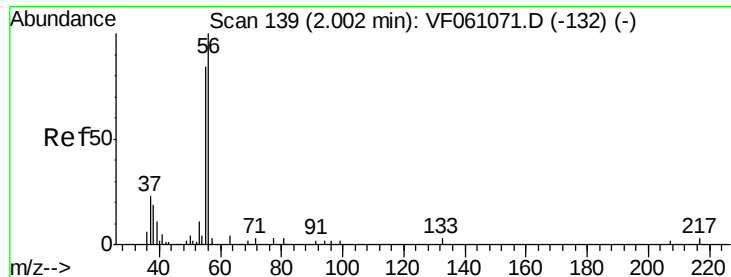


#12

1,1-Dichloroethene
Concen: 45.453 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion: 96 Resp: 31981
Ion Ratio Lower Upper
96 100
61 219.8 182.0 273.0
98 61.4 46.5 69.7





#13

Acrolein

Concen: 157.305 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

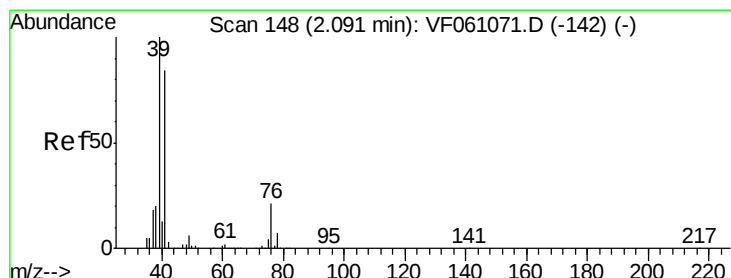
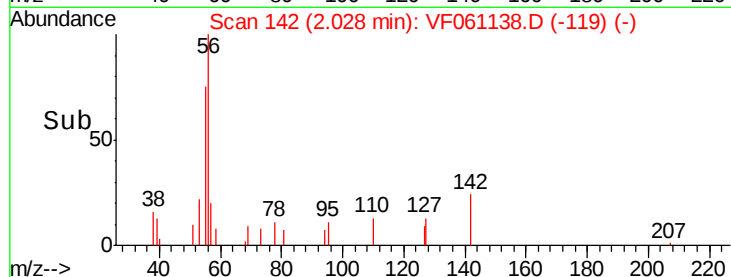
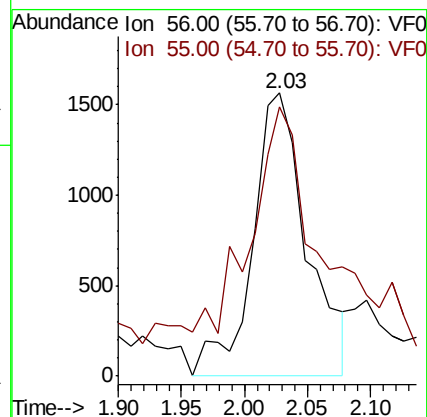
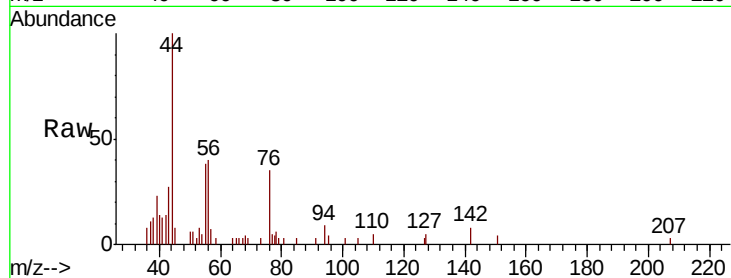
P001-SD006-0612-01MSD

Tot Ion: 56 Resp: 4709

Ion Ratio Lower Upper

56 100

55 95.0 70.2 105.2



#14

Allyl chloride

Concen: 37.837 ug/l

RT: 2.12 min Scan# 151

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

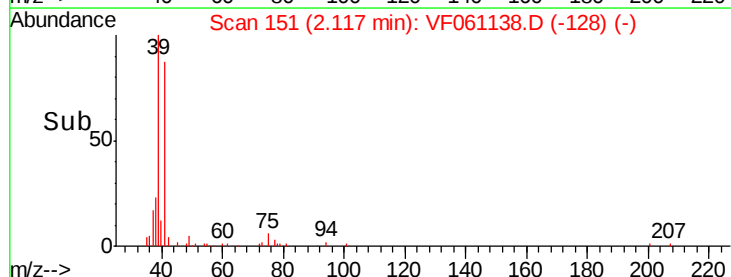
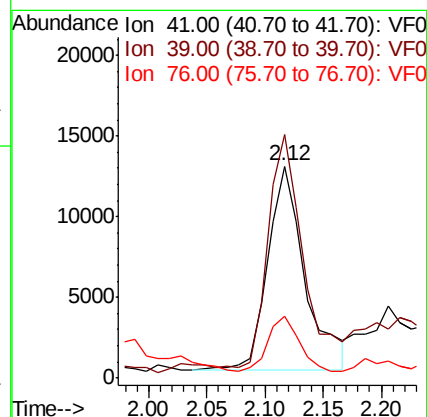
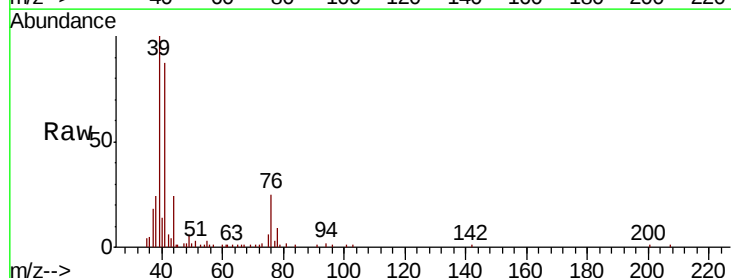
Tgt Ion: 41 Resp: 27705

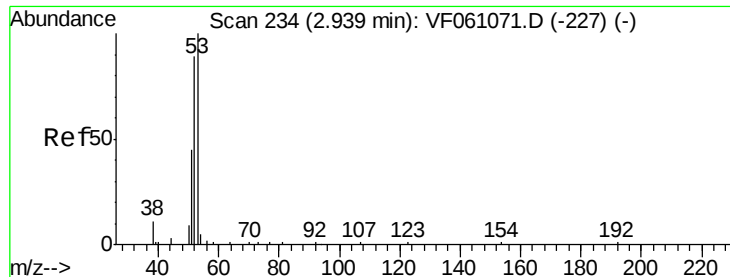
Ion Ratio Lower Upper

41 100

39 114.9 96.4 144.6

76 29.0 25.4 38.0





#15

Acrylonitrile

Concen: 301.762 ug/l

RT: 2.97 min Scan# 238

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

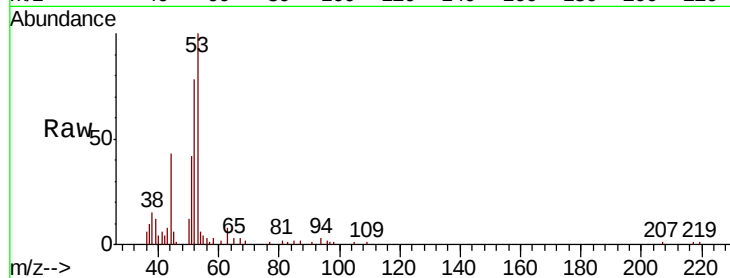
Tot Ion: 53 Resp: 28908

Ion Ratio Lower Upper

53 100

52 78.0 71.3 106.9

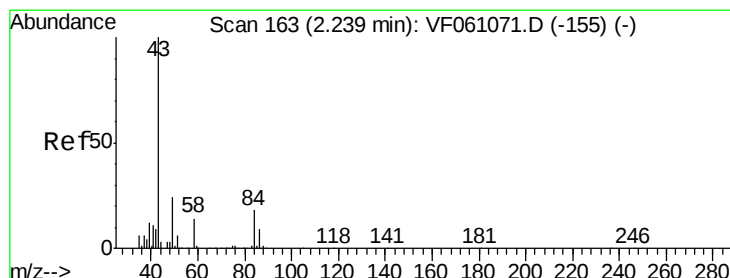
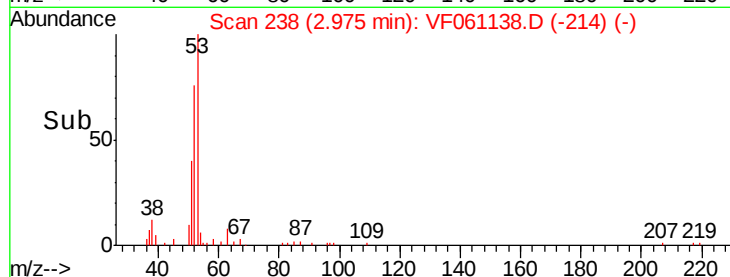
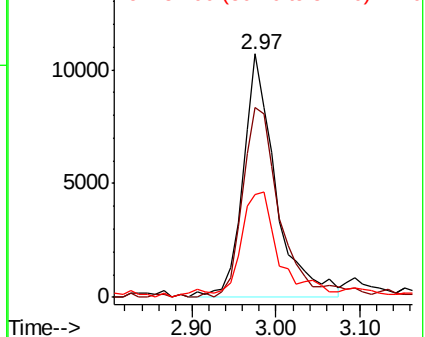
51 42.4 36.8 55.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 213.282 ug/l

RT: 2.26 min Scan# 166

Delta R.T. 0.03 min

Lab File: VF061138.D

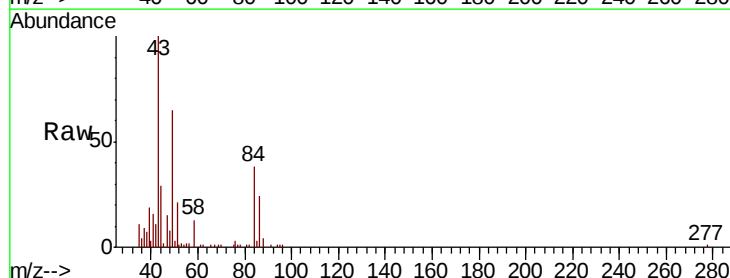
Acq: 21 Dec 2018 21:03

Tgt Ion: 43 Resp: 43772

Ion Ratio Lower Upper

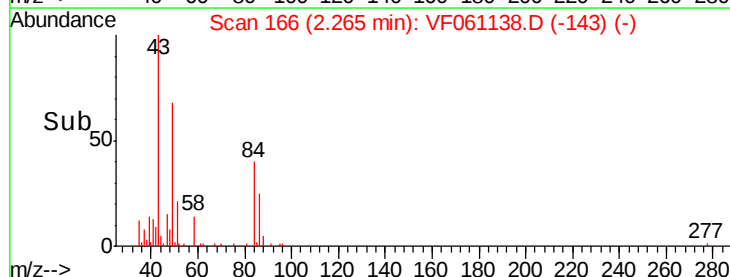
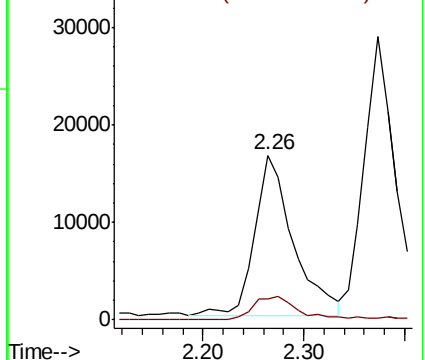
43 100

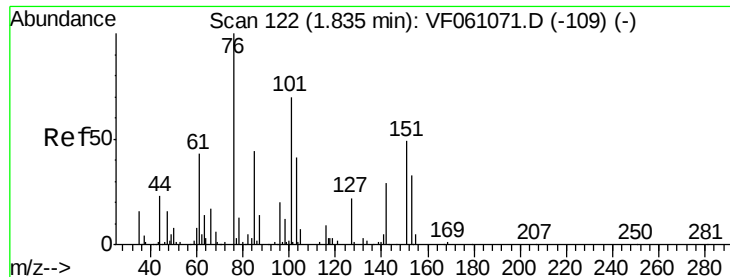
58 13.2 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

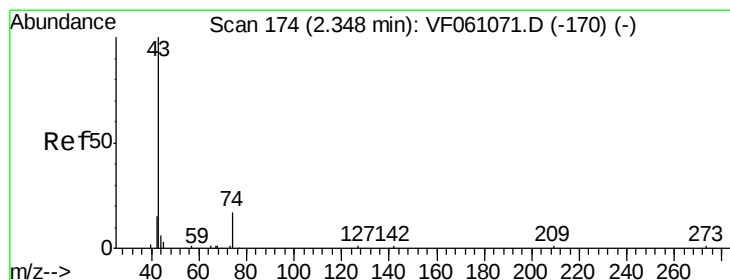
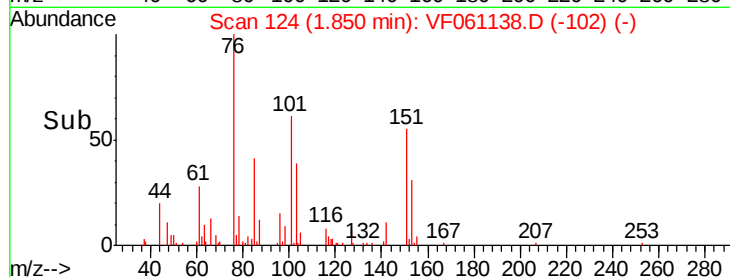
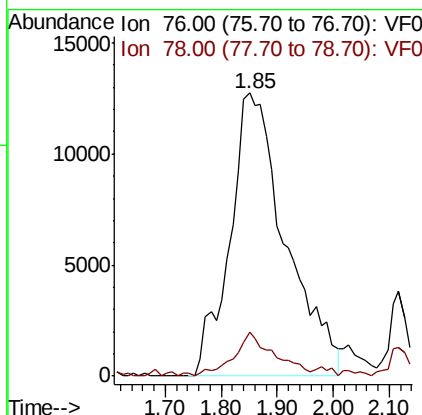
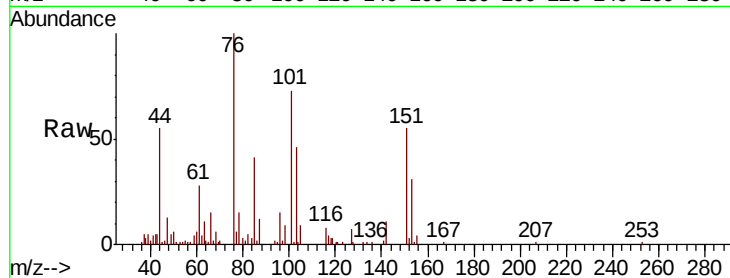




#17
Carbon Disulfide
Concen: 41.339 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.02 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

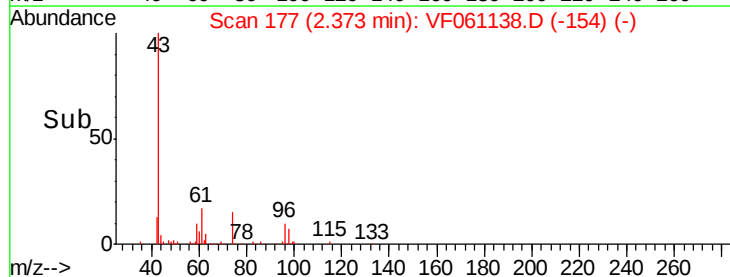
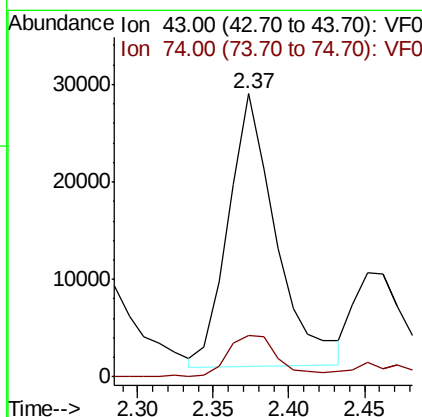
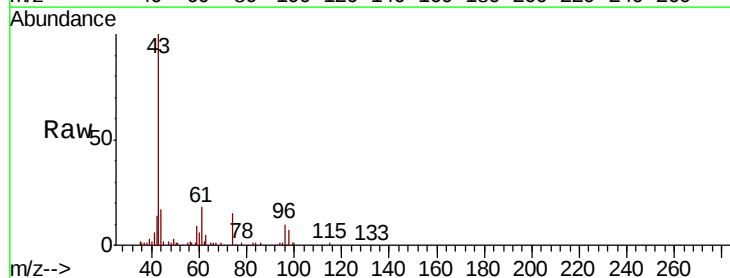
Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

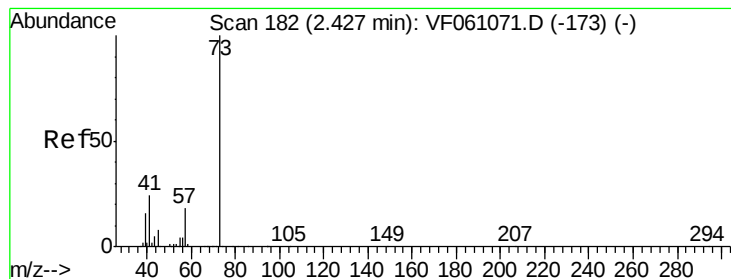
Tot Ion: 76 Resp: 87899
Ion Ratio Lower Upper
76 100
78 15.5 10.2 15.4#



#18
Methyl Acetate
Concen: 145.081 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.03 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion: 43 Resp: 61602
Ion Ratio Lower Upper
43 100
74 14.8 11.0 16.6



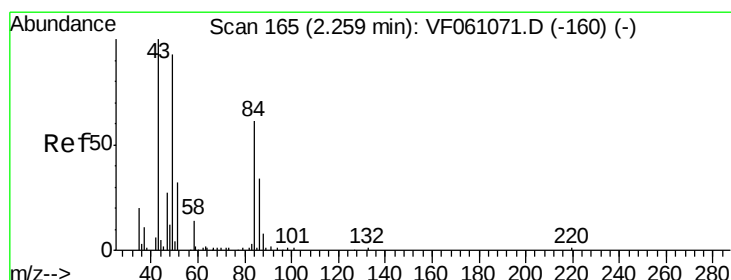
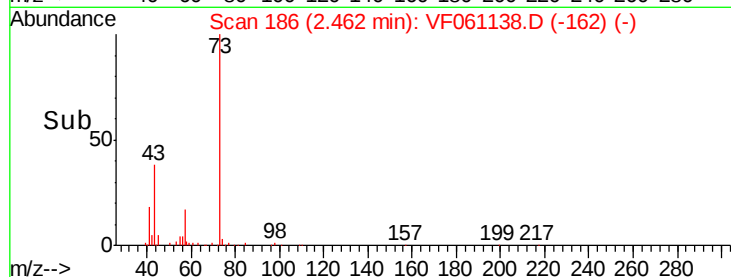
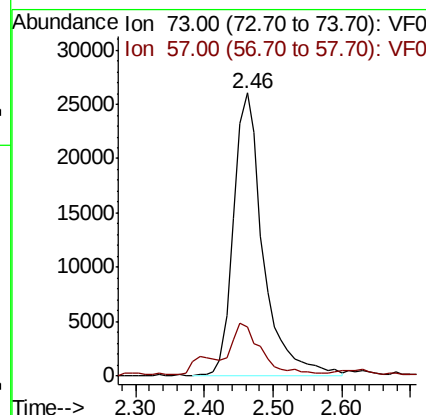
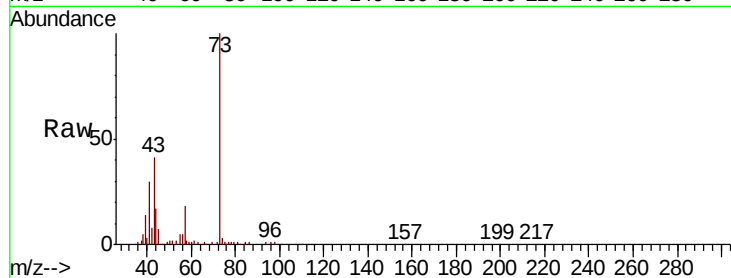


#19

Methyl tert-butyl Ether
 Concen: 49.932 ug/l
 RT: 2.46 min Scan# 186
 Delta R.T. 0.04 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

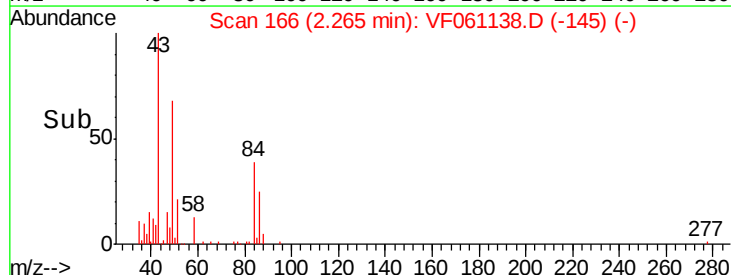
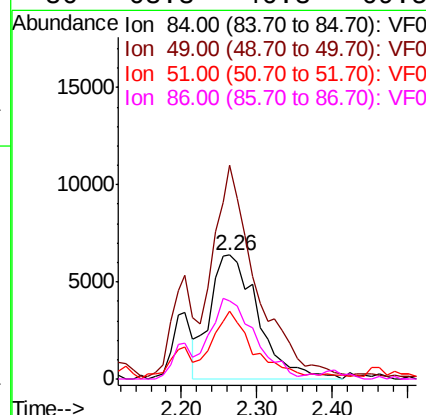
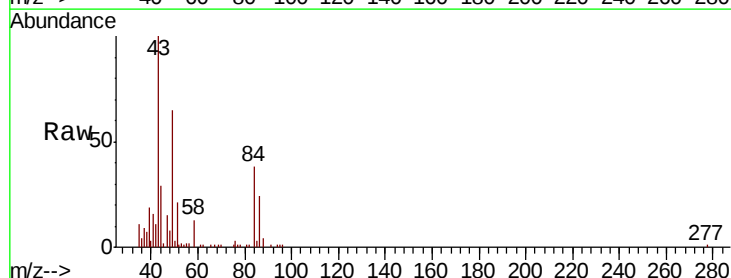
Tot Ion: 73 Resp: 77982
 Ion Ratio Lower Upper
 73 100
 57 17.5 14.5 21.7

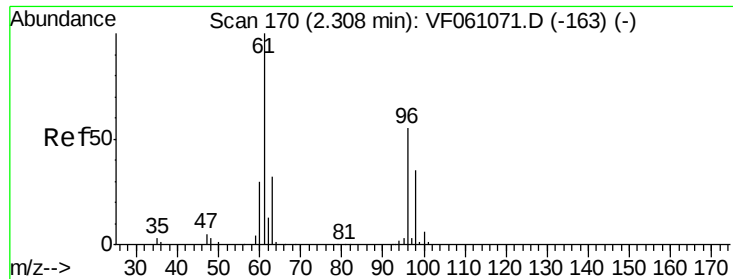


#20

Methylene Chloride
 Concen: 42.248 ug/l
 RT: 2.26 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Tgt Ion: 84 Resp: 28164
 Ion Ratio Lower Upper
 84 100
 49 172.7 129.4 194.2
 51 54.9 44.0 66.0
 86 63.3 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 31.081 ug/l

RT: 2.33 min Scan# 173

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

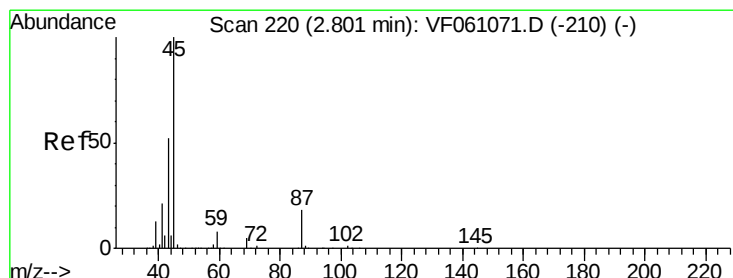
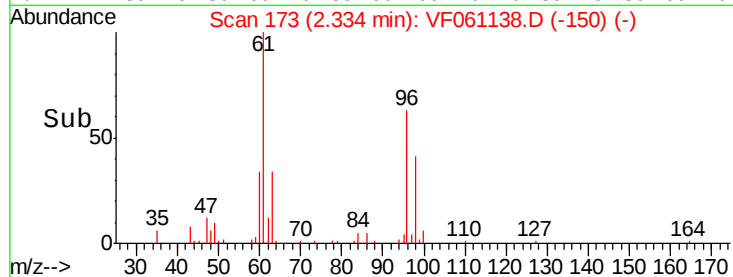
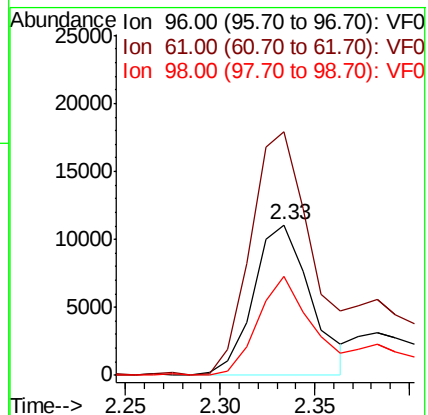
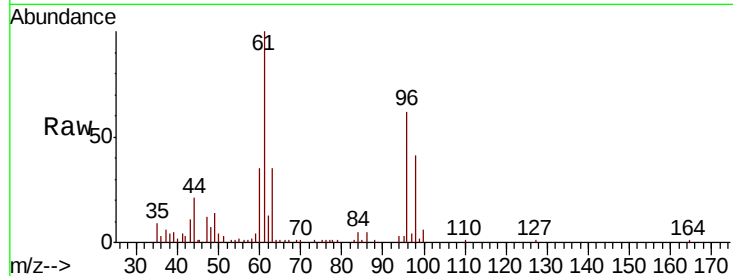
Tot Ion: 96 Resp: 23390

Ion Ratio Lower Upper

96 100

61 161.5 146.0 219.0

98 65.4 51.6 77.4



#22

Diisopropyl ether

Concen: 46.461 ug/l

RT: 2.83 min Scan# 223

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Tgt Ion: 45 Resp: 113318

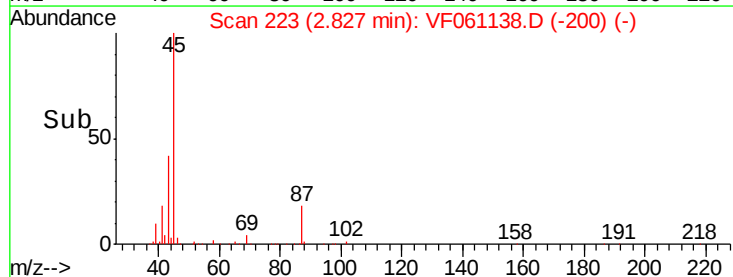
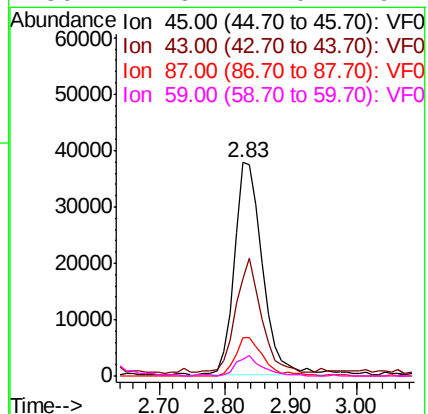
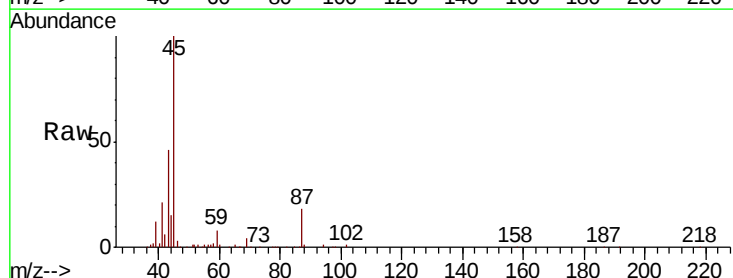
Ion Ratio Lower Upper

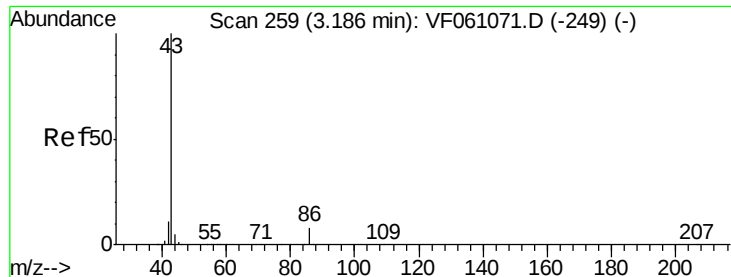
45 100

43 45.7 42.2 63.2

87 18.1 14.6 22.0

59 7.6 7.0 10.4





#23

Vinyl Acetate

Concen: 49.550 ug/l

RT: 3.23 min Scan# 264

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

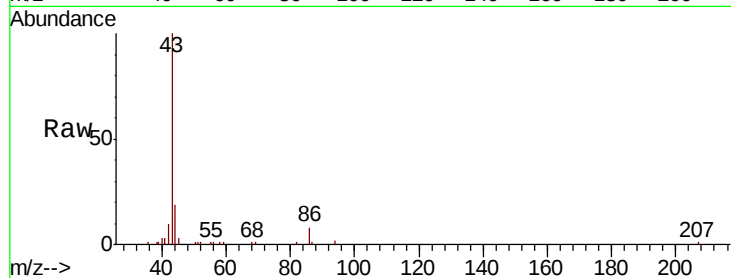
P001-SD006-0612-01MSD

Tot Ion: 43 Resp: 55752

Ion Ratio Lower Upper

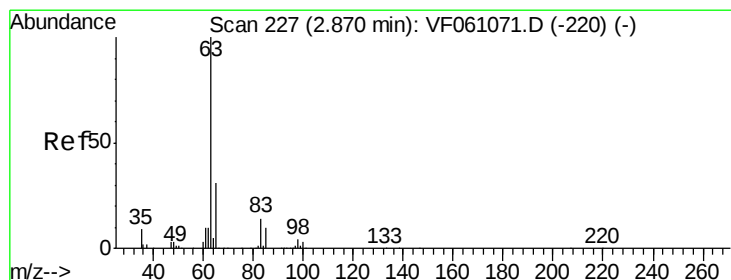
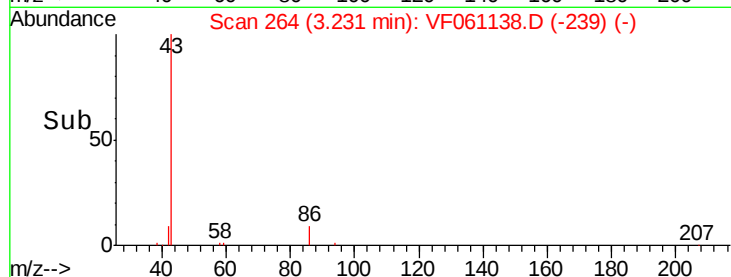
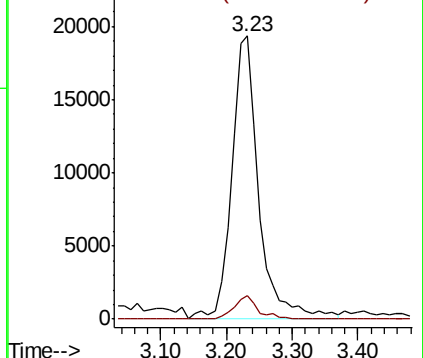
43 100

86 8.3 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 45.249 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

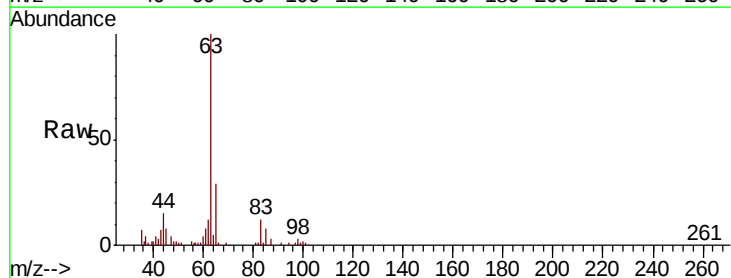
Tgt Ion: 63 Resp: 65390

Ion Ratio Lower Upper

63 100

98 2.7 2.1 6.5

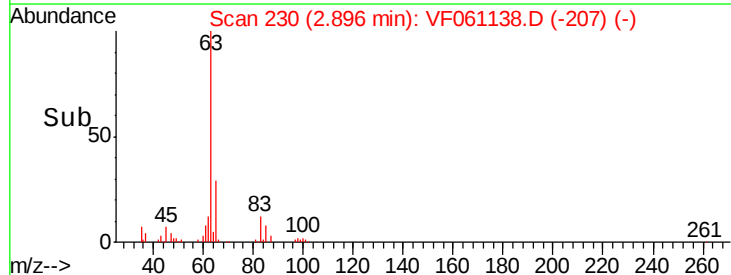
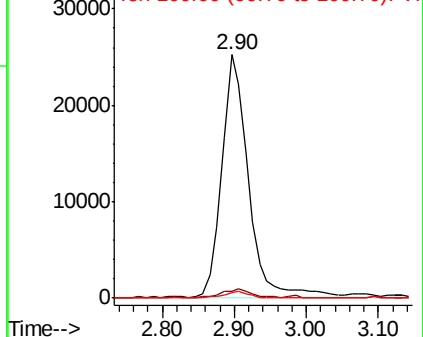
100 2.3 1.7 5.1

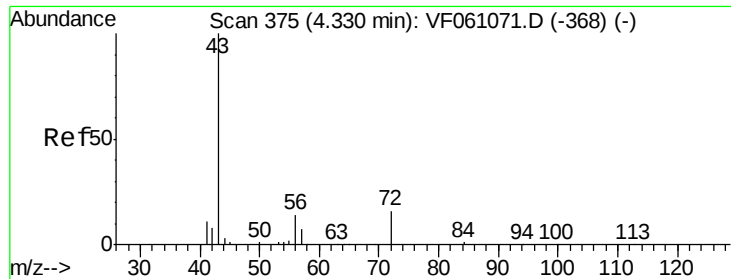


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 273.854 ug/l

RT: 4.39 min Scan# 381

Delta R.T. 0.06 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

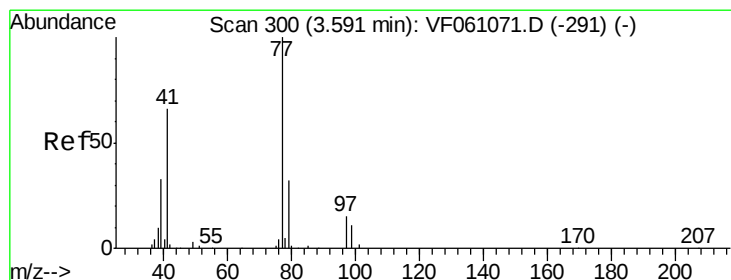
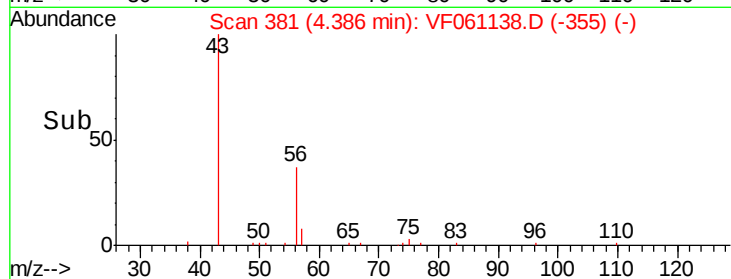
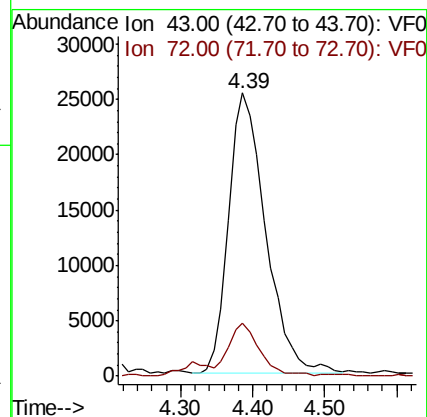
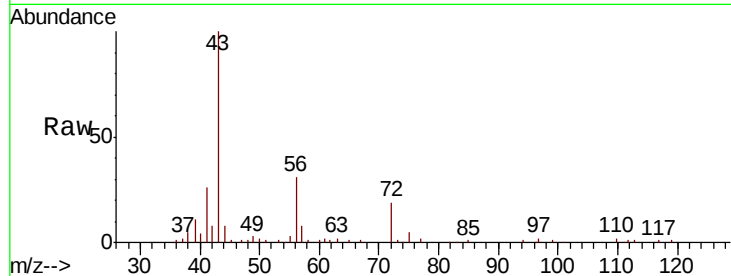
P001-SD006-0612-01MSD

Tot Ion: 43 Resp: 91151

Ion Ratio Lower Upper

43 100

72 18.6 15.6 23.4



#26

2,2-Dichloropropane

Concen: 48.321 ug/l

RT: 3.64 min Scan# 305

Delta R.T. 0.05 min

Lab File: VF061138.D

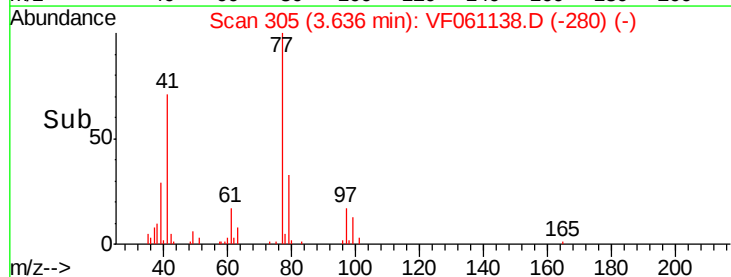
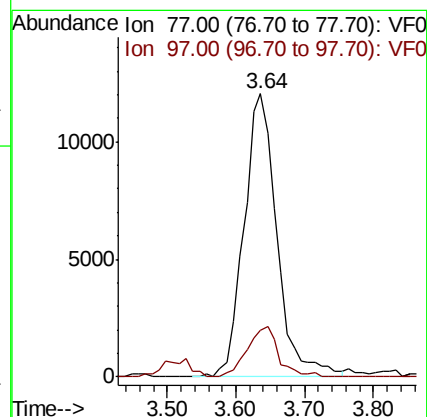
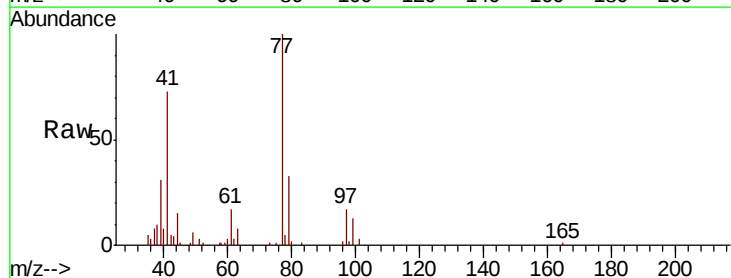
Acq: 21 Dec 2018 21:03

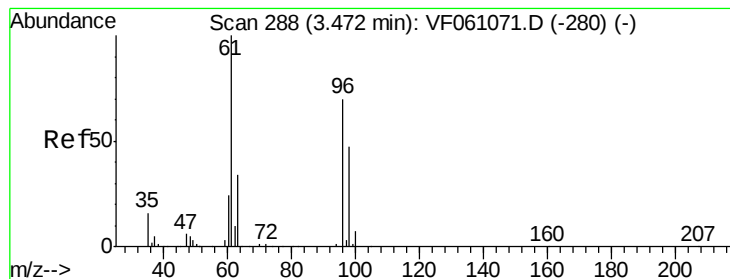
Tgt Ion: 77 Resp: 40073

Ion Ratio Lower Upper

77 100

97 16.6 8.2 24.4



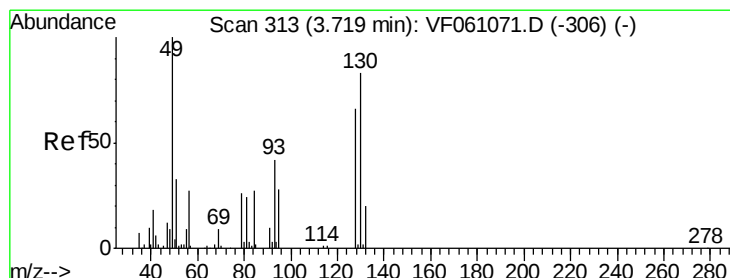
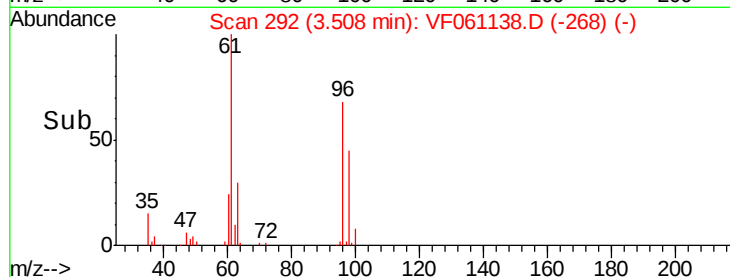
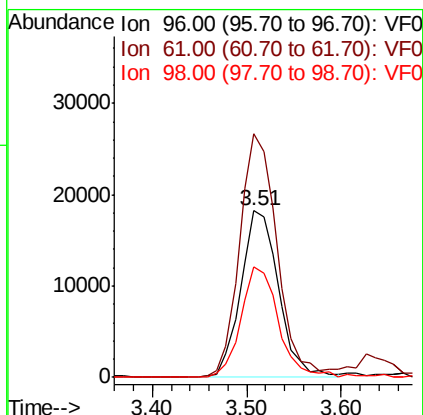
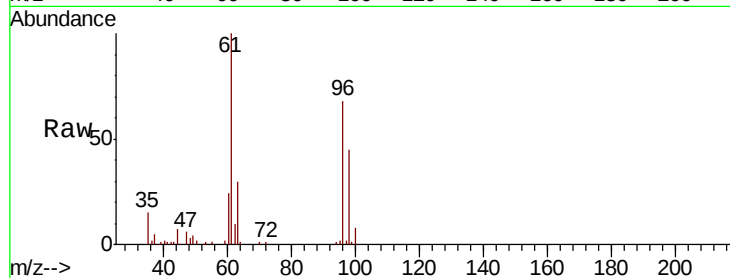


#27

cis-1,2-Dichloroethene
 Concen: 44.012 ug/l
 RT: 3.51 min Scan# 292
 Delta R.T. 0.04 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

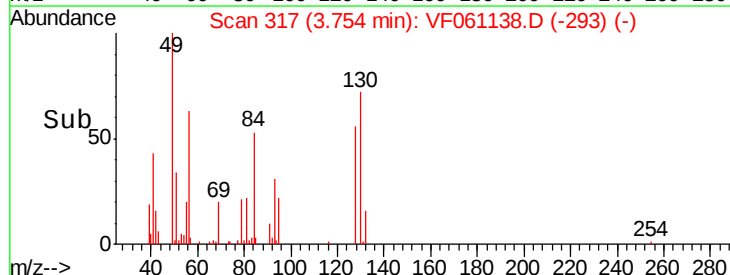
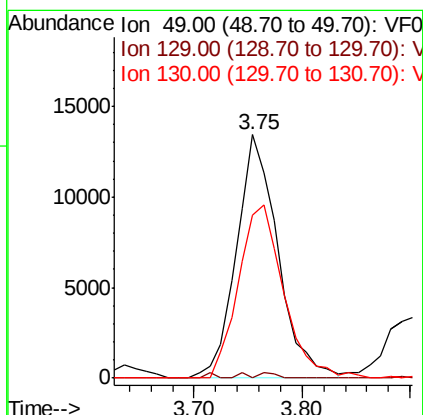
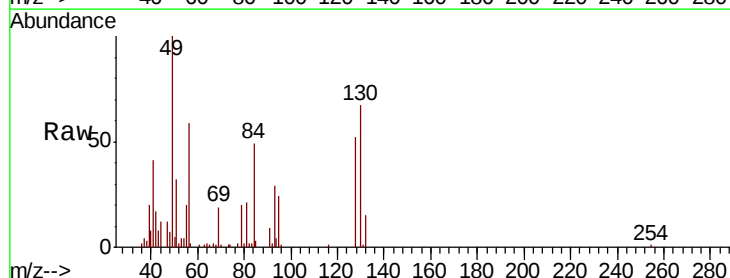
Tot Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	287.8
98	66.0	0.0	134.2

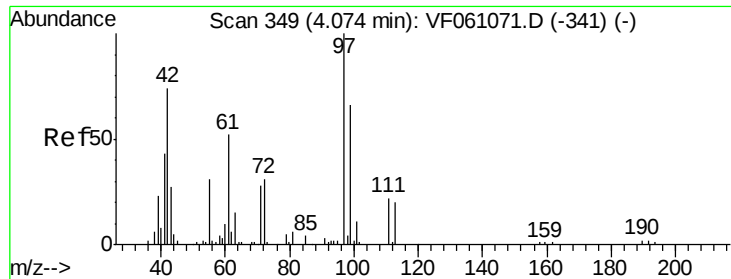


#28

Bromochloromethane
 Concen: 48.720 ug/l
 RT: 3.75 min Scan# 317
 Delta R.T. 0.04 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	67.1	65.8	98.6





#29

Tetrahydrofuran

Concen: 320.872 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

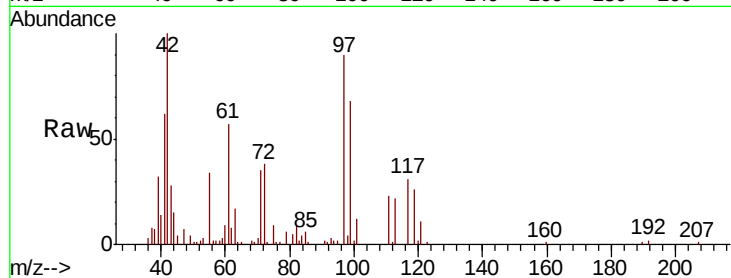
Tot Ion: 42 Resp: 43469

Ion Ratio Lower Upper

42 100

72 41.1 31.8 47.8

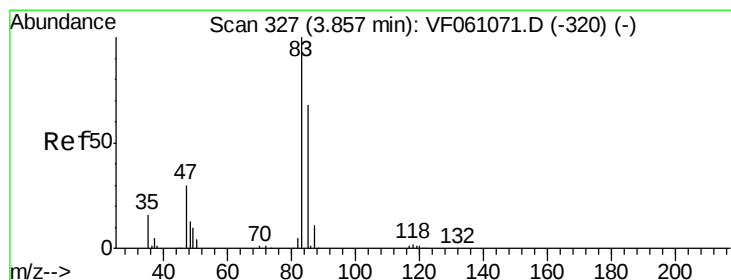
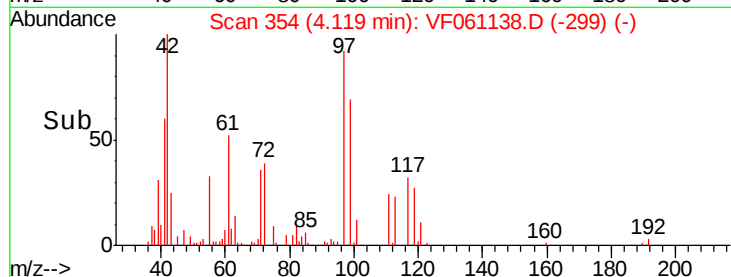
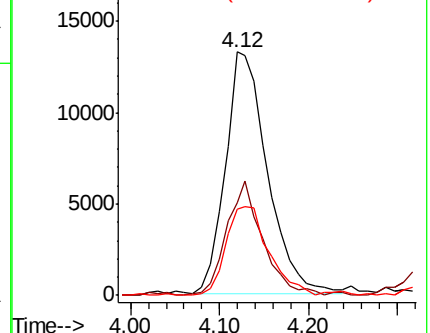
71 37.4 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 47.280 ug/l

RT: 3.90 min Scan# 332

Delta R.T. 0.05 min

Lab File: VF061138.D

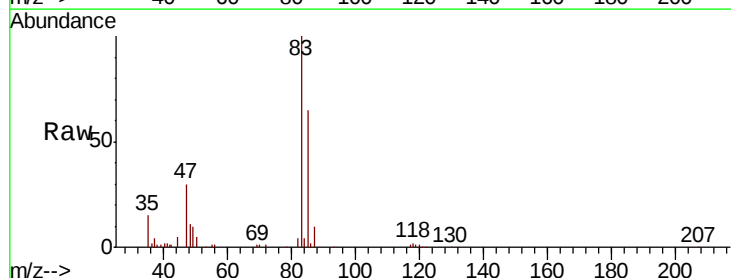
Acq: 21 Dec 2018 21:03

Tgt Ion: 83 Resp: 102447

Ion Ratio Lower Upper

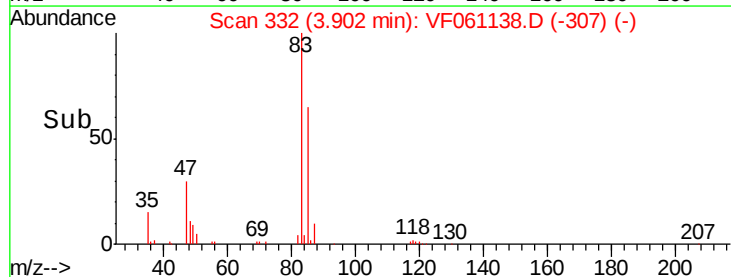
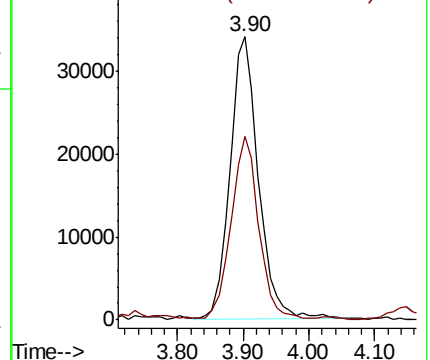
83 100

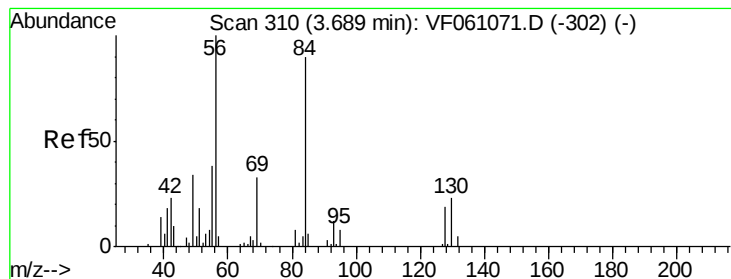
85 64.9 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 44.890 ug/l

RT: 3.71 min Scan# 313

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

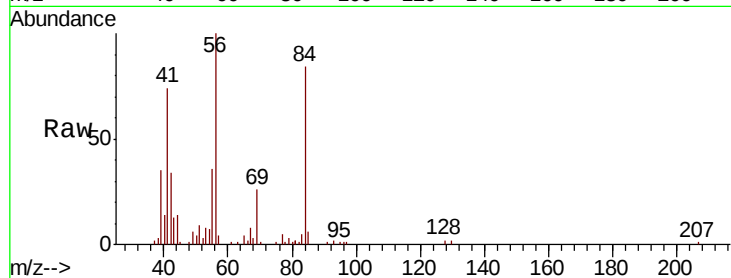
Tot Ion: 56 Resp: 67314

Ion Ratio Lower Upper

56 100

69 26.3 26.0 39.0

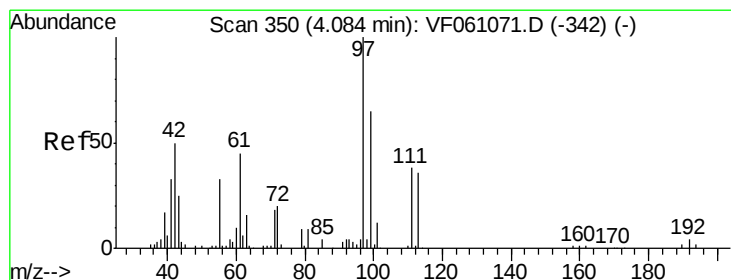
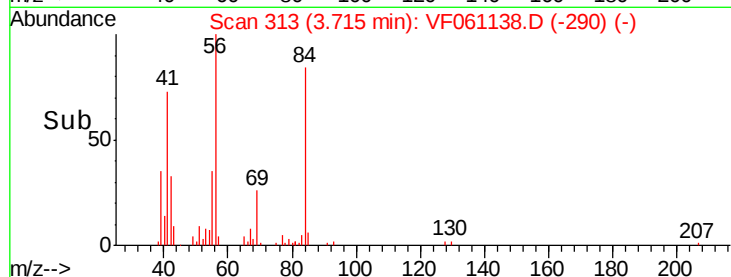
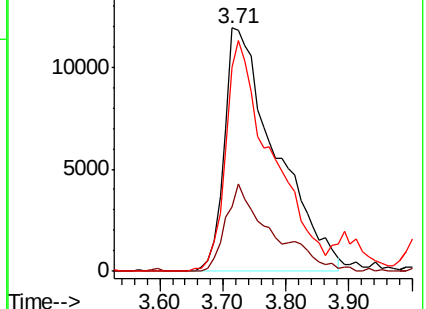
84 83.7 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 52.454 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.06 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

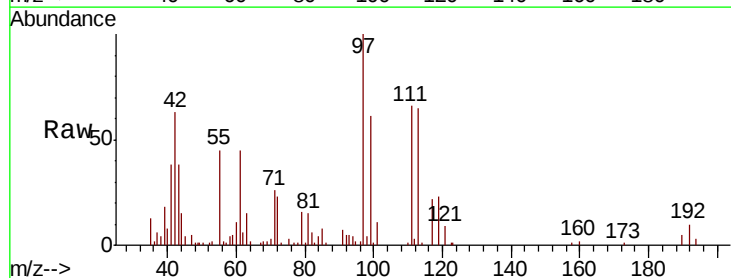
Tgt Ion: 97 Resp: 68125

Ion Ratio Lower Upper

97 100

99 61.4 51.6 77.4

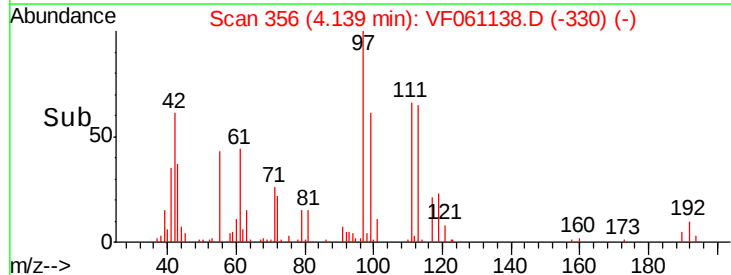
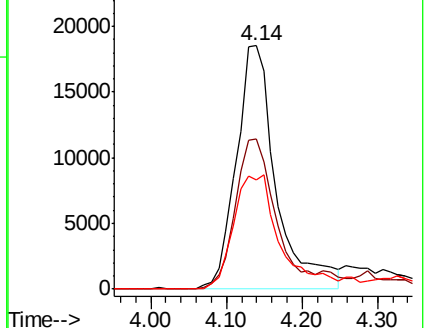
61 44.9 36.2 54.2

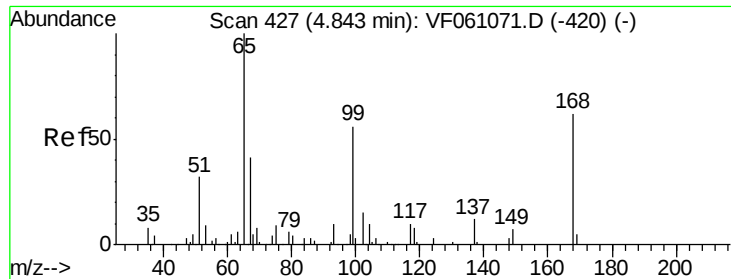


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

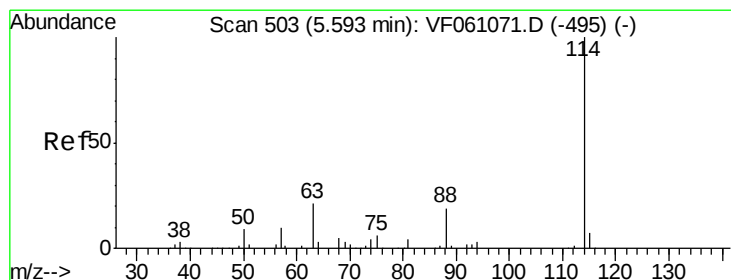
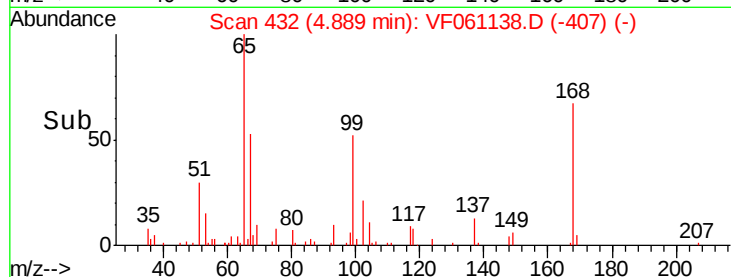
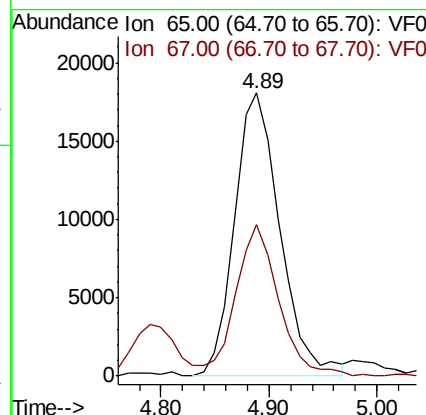
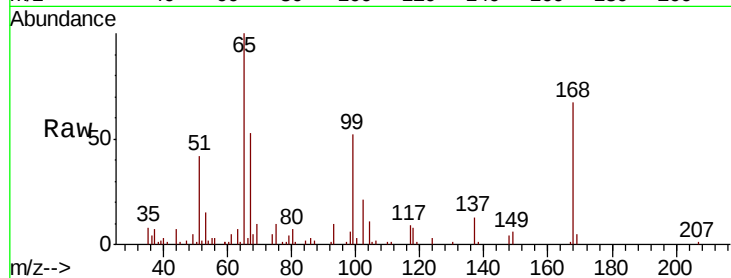




#33
 1,2-Dichloroethane-d4
 Concen: 51.539 ug/l
 RT: 4.89 min Scan# 432
 Delta R.T. 0.05 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

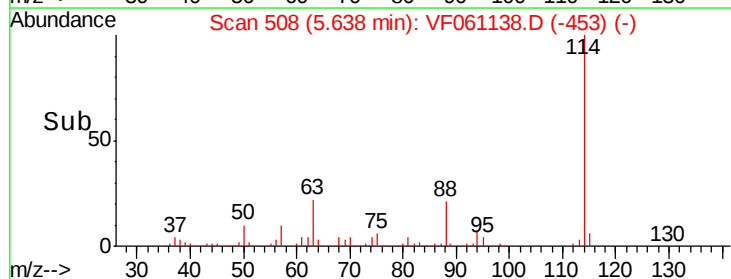
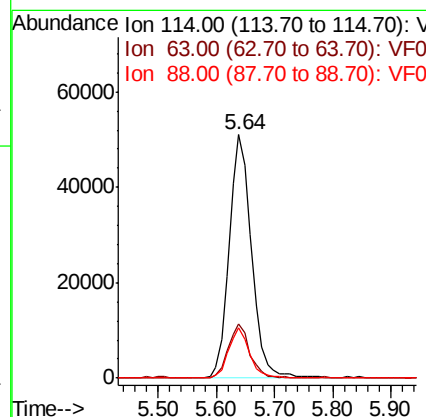
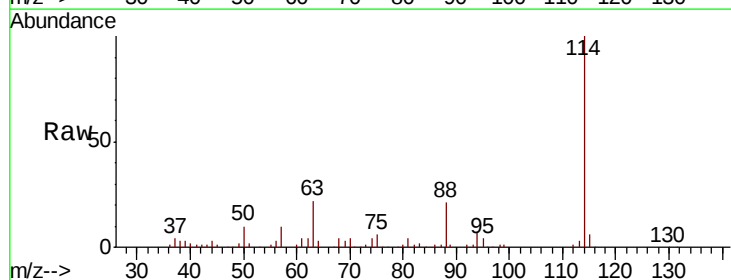
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

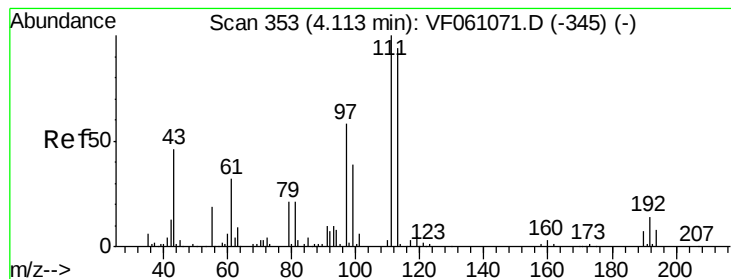
Tot Ion: 65 Resp: 52910
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 508
 Delta R.T. 0.05 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Tgt Ion: 114 Resp: 136155
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 41.6
 88 20.5 0.0 38.0





#35

Dibromofluoromethane

Concen: 48.252 ug/l

RT: 4.16 min Scan# 358

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

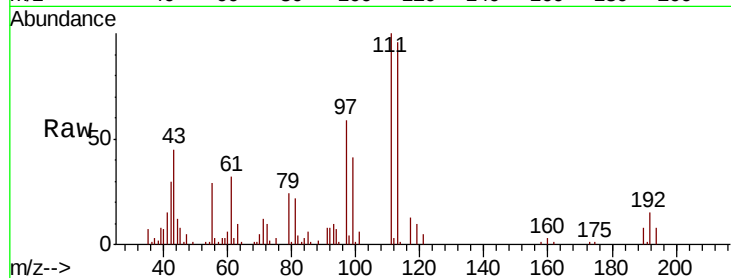
Tot Ion:113 Resp: 52627

Ion Ratio Lower Upper

113 100

111 104.5 85.2 127.8

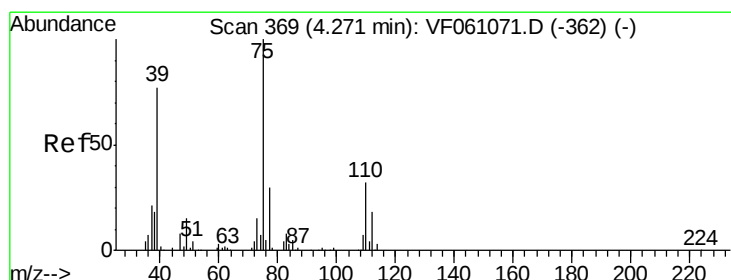
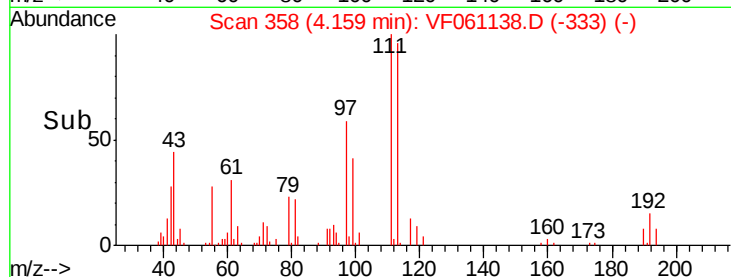
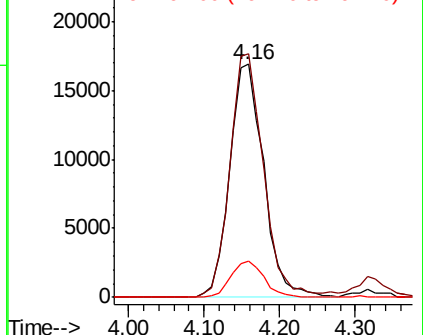
192 15.6 12.8 19.2



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: 43.329 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

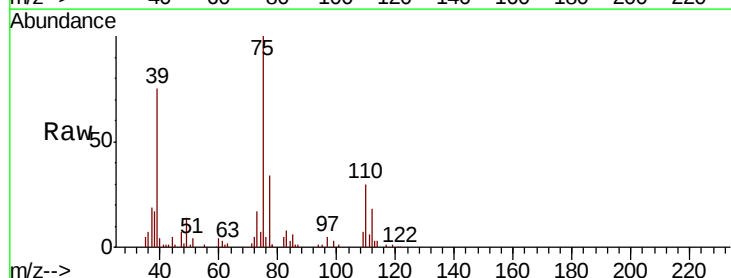
Tgt Ion: 75 Resp: 71211

Ion Ratio Lower Upper

75 100

110 30.5 16.1 48.2

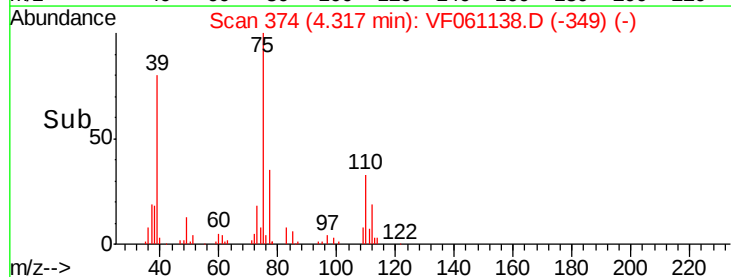
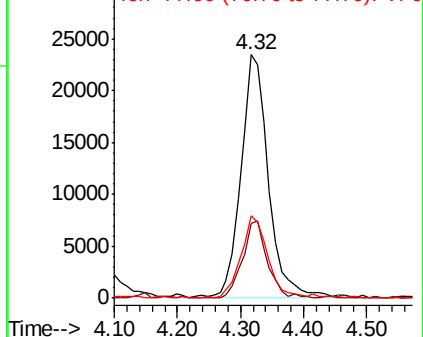
77 33.6 24.5 36.7

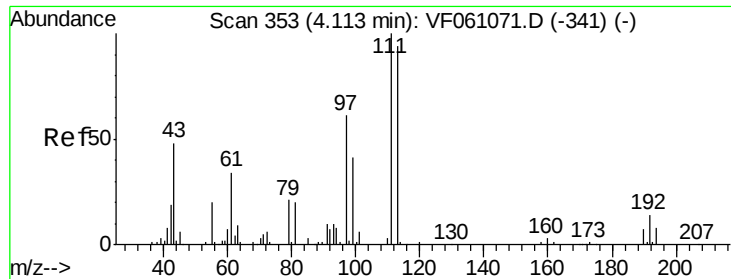


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 60.804 ug/l

RT: 4.15 min Scan# 357

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

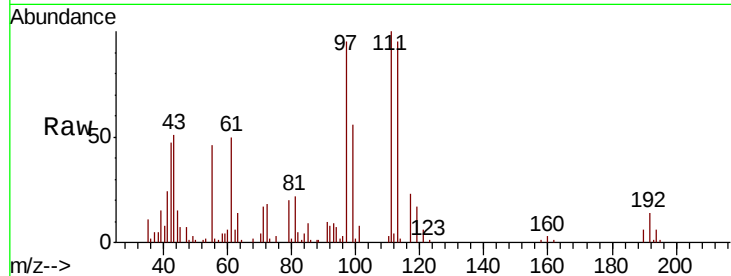
Tot Ion: 43 Resp: 37391

Ion Ratio Lower Upper

43 100

61 97.8 56.6 84.8#

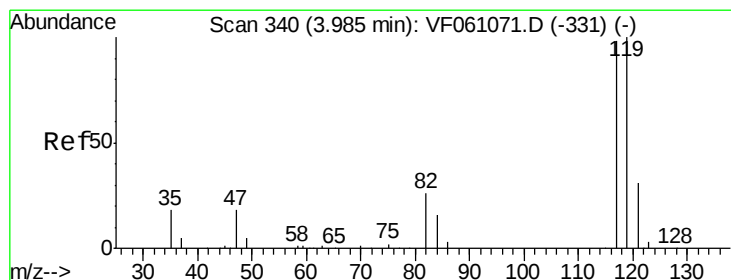
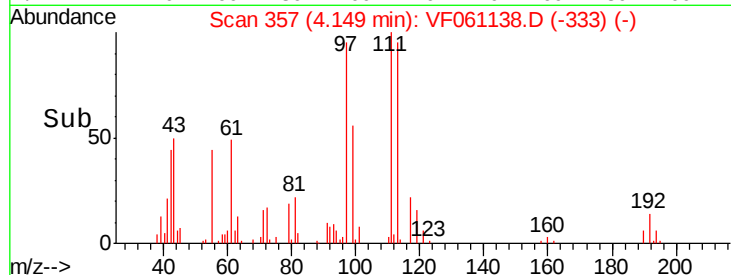
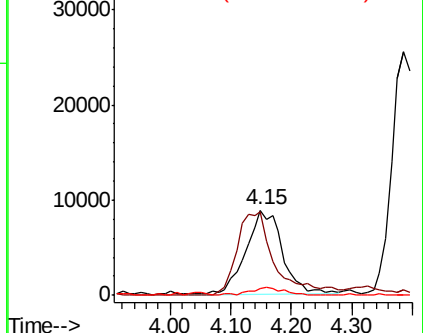
70 7.9 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 47.194 ug/l

RT: 4.03 min Scan# 345

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

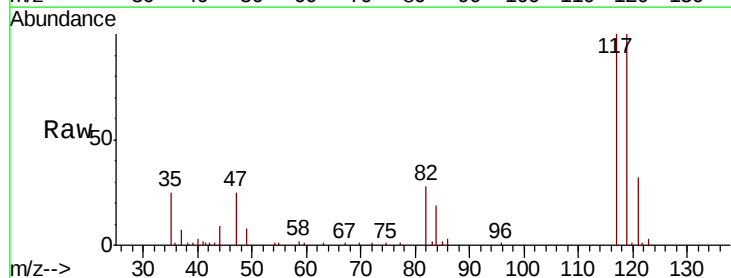
Tgt Ion: 117 Resp: 59067

Ion Ratio Lower Upper

117 100

119 100.0 82.1 123.1

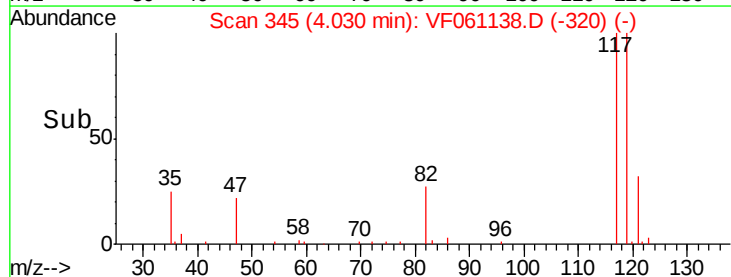
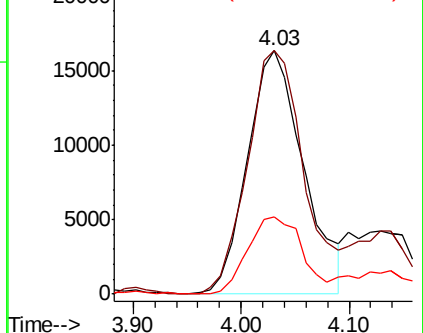
121 32.3 25.5 38.3

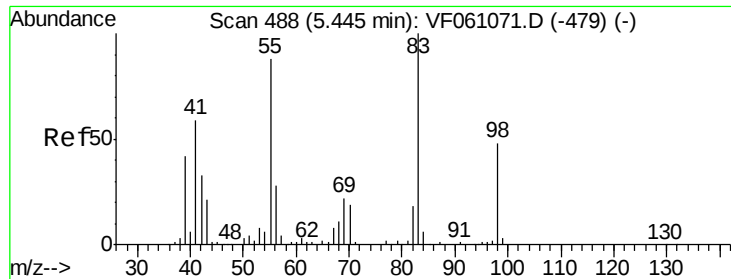


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

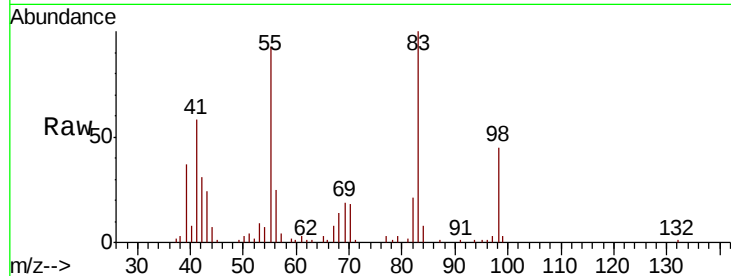




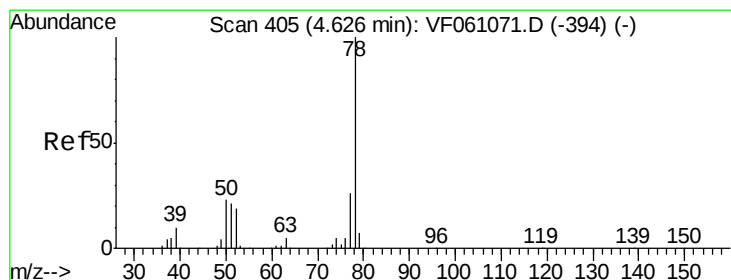
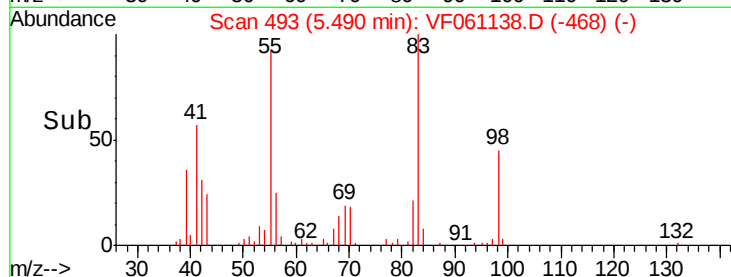
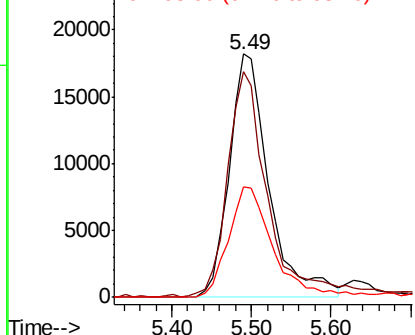
#39
Methvlcvclohexane
Concen: 42.746 ug/l
RT: 5.49 min Scan# 493
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tot Ion: 83 Resp: 63025
Ion Ratio Lower Upper
83 100
55 92.8 70.6 105.8
98 45.2 38.5 57.7

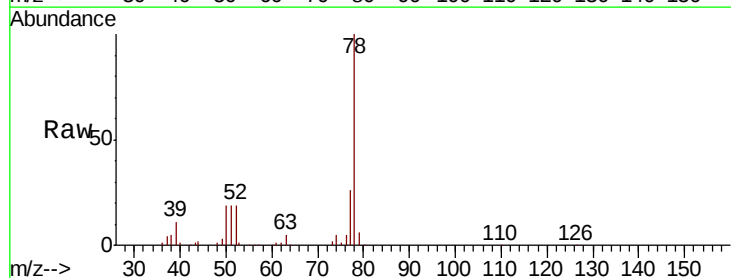


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

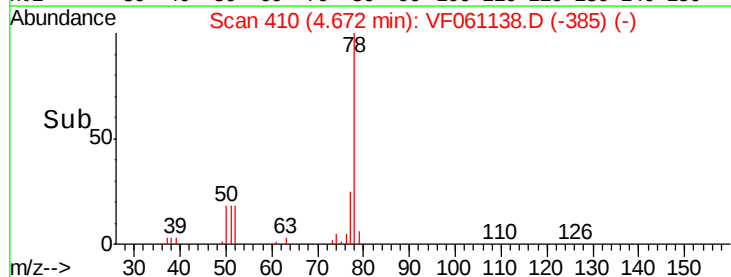
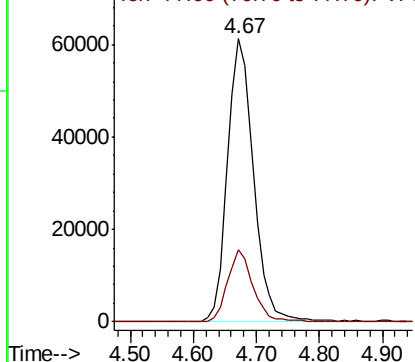


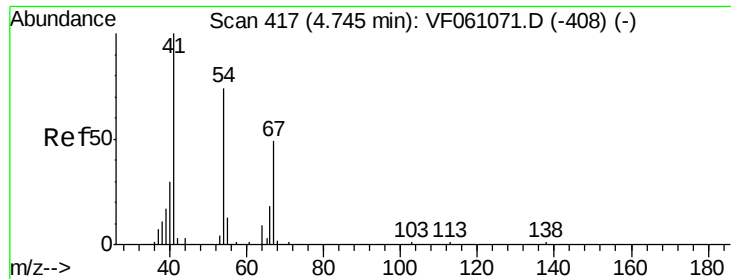
#40
Benzene
Concen: 49.598 ug/l
RT: 4.67 min Scan# 410
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion: 78 Resp: 175297
Ion Ratio Lower Upper
78 100
77 25.6 20.7 31.1



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

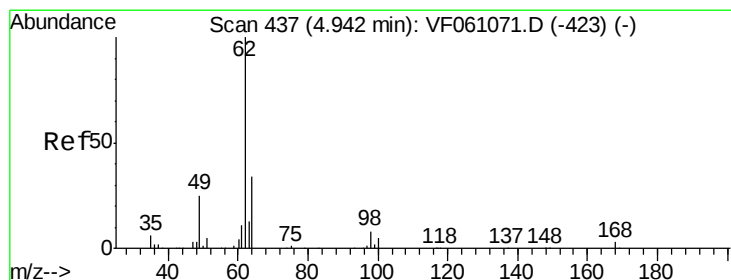
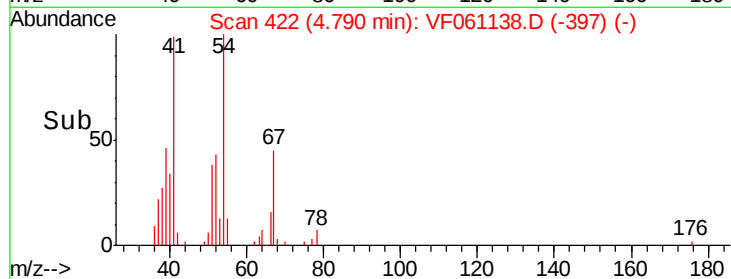
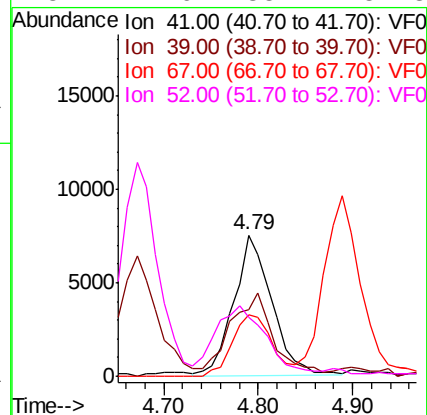
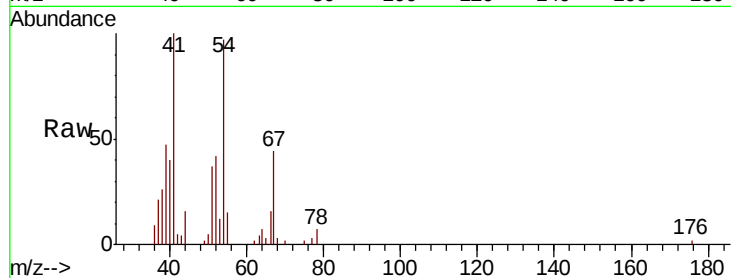




#41
Methacrylonitrile
Concen: 60.181 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

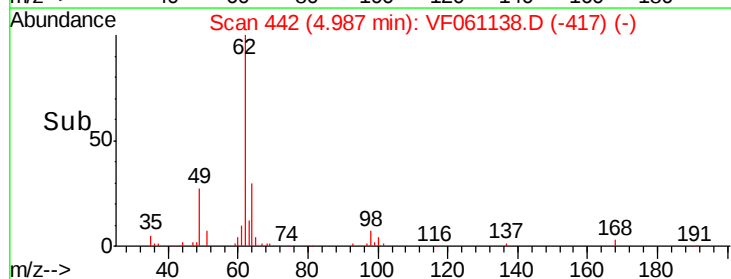
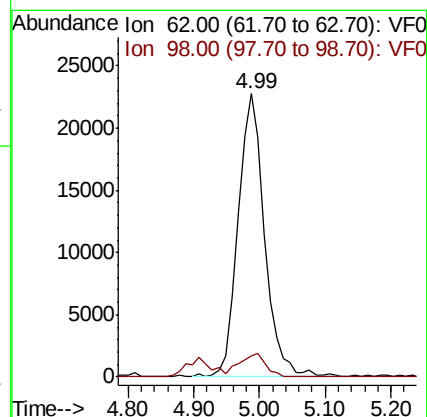
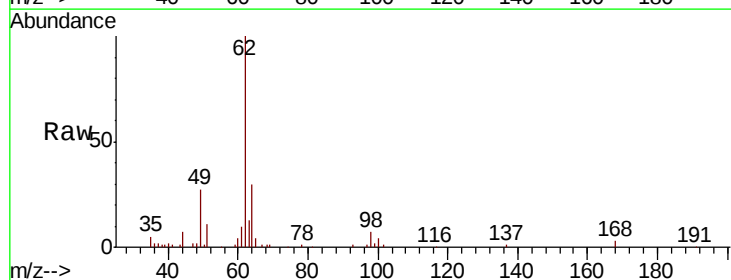
Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

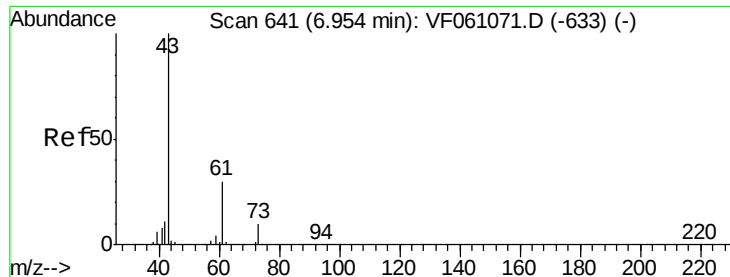
Tot Ion:	41	Resp:	20888
Ion	Ratio	Lower	Upper
41	100		
39	47.1	45.7	68.5
67	43.6	38.9	58.3
52	41.6	35.2	52.8



#42
1,2-Dichloroethane
Concen: 48.021 ug/l
RT: 4.99 min Scan# 442
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion:	62	Resp:	64474
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	16.6



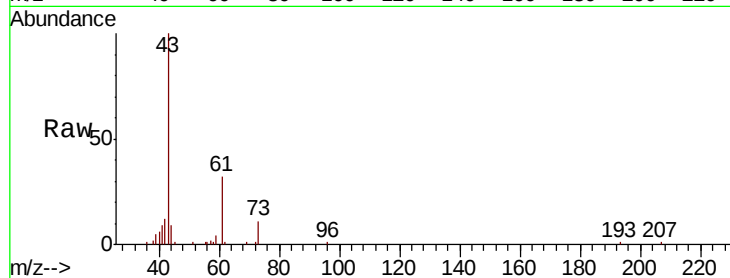


#43

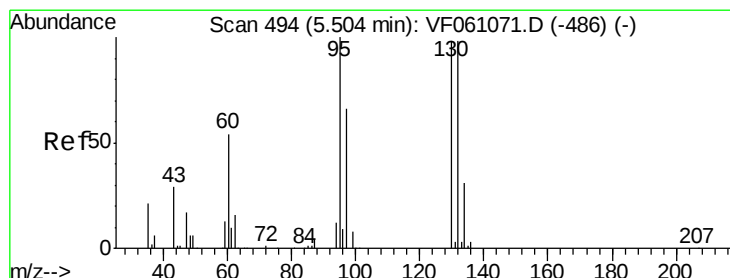
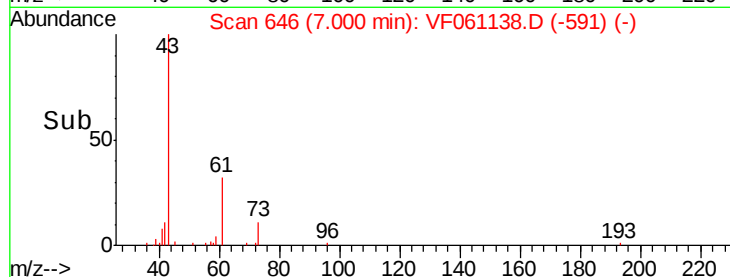
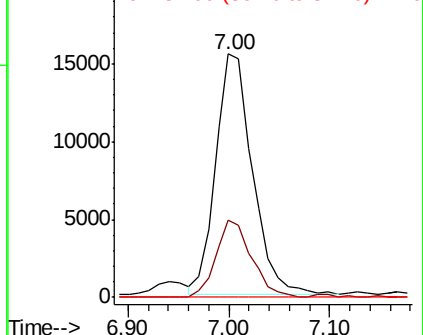
Isopropyl Acetate
 Concen: 49.392 ug/l
 RT: 7.00 min Scan# 646
 Delta R.T. 0.05 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

Tot Ion: 43 Resp: 39195
 Ion Ratio Lower Upper
 43 100
 61 31.8 23.8 35.8
 87 0.0 0.0 0.0



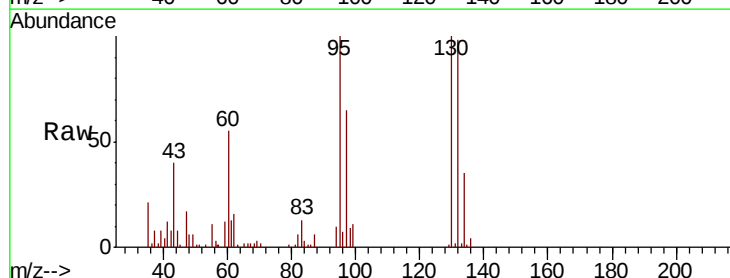
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



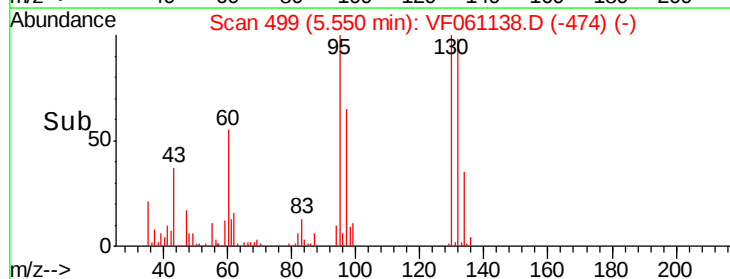
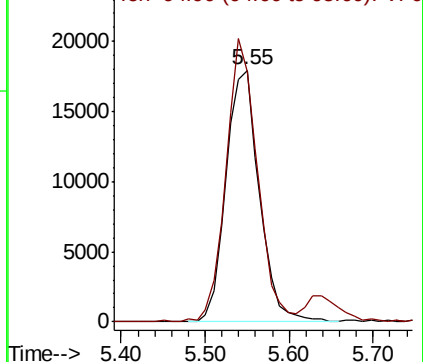
#44

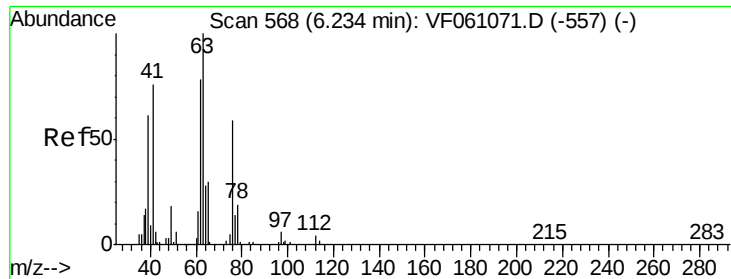
Trichloroethene
 Concen: 44.308 ug/l
 RT: 5.55 min Scan# 499
 Delta R.T. 0.05 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Tgt Ion: 130 Resp: 49372
 Ion Ratio Lower Upper
 130 100
 95 99.6 0.0 205.2



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





#45

1,2-Dichloropropane

Concen: 46.947 ug/l

RT: 6.28 min Scan# 573

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

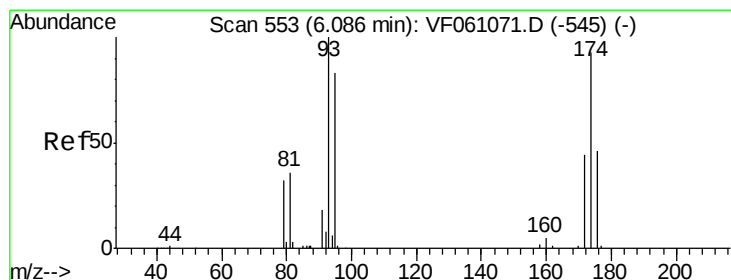
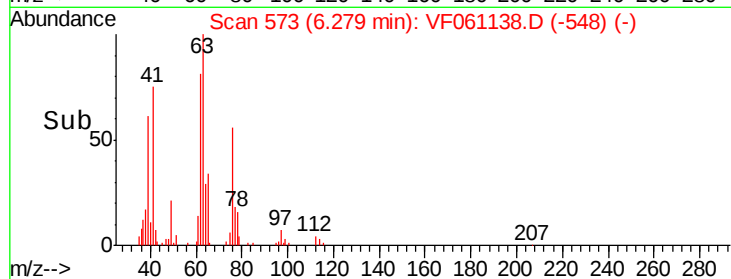
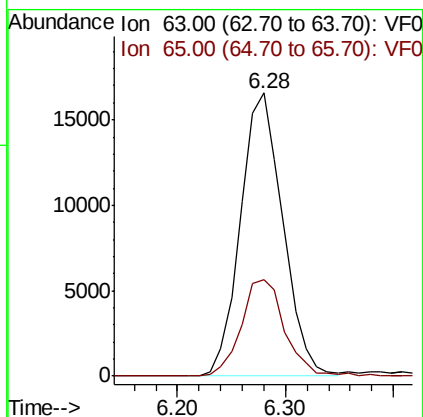
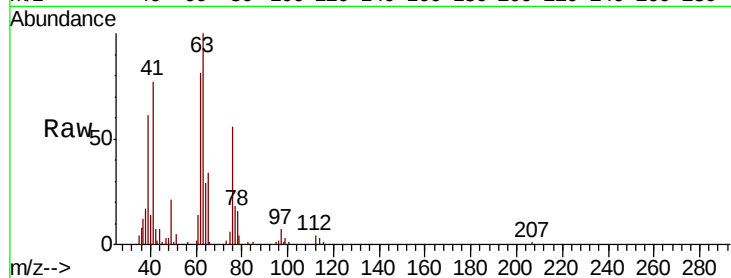
P001-SD006-0612-01MSD

Tot Ion: 63 Resp: 45143

Ion Ratio Lower Upper

63 100

65 34.0 24.4 36.6



#46

Dibromomethane

Concen: 50.635 ug/l

RT: 6.13 min Scan# 558

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

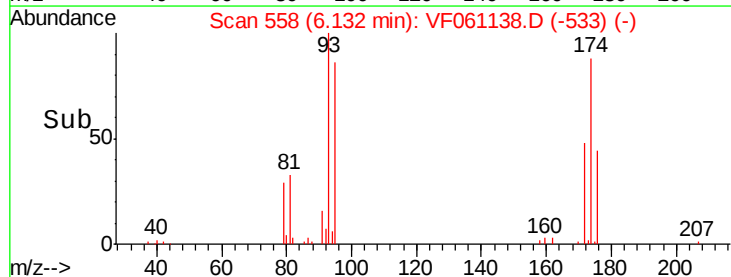
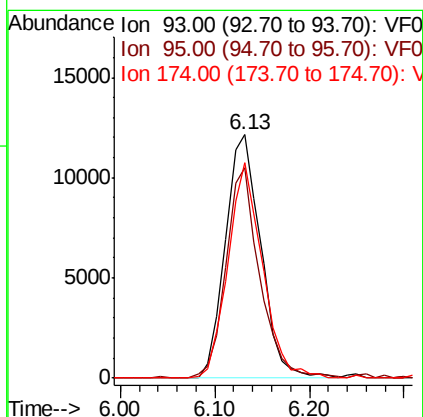
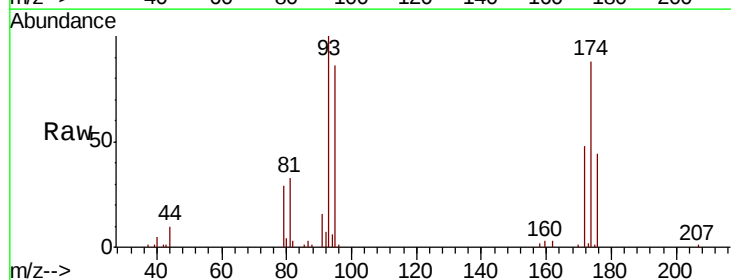
Tgt Ion: 93 Resp: 31579

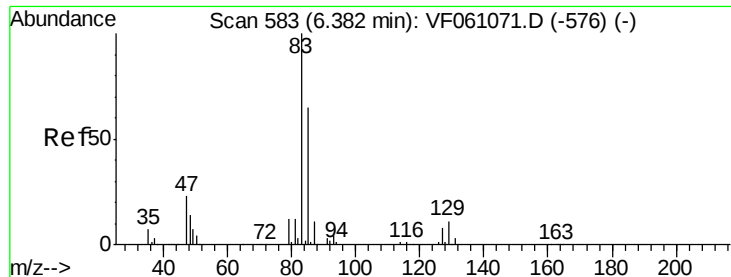
Ion Ratio Lower Upper

93 100

95 86.3 66.9 100.3

174 89.5 74.1 111.1





#47

Bromodichloromethane

Concen: 45.647 ug/l

RT: 6.43 min Scan# 588

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

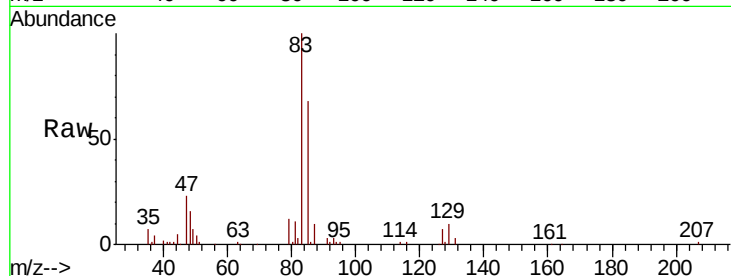
Tot Ion: 83 Resp: 73968

Ion Ratio Lower Upper

83 100

85 68.3 52.2 78.4

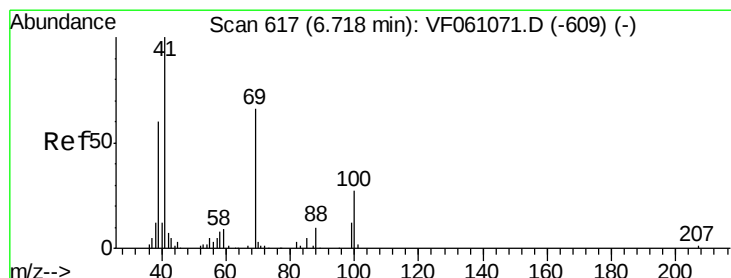
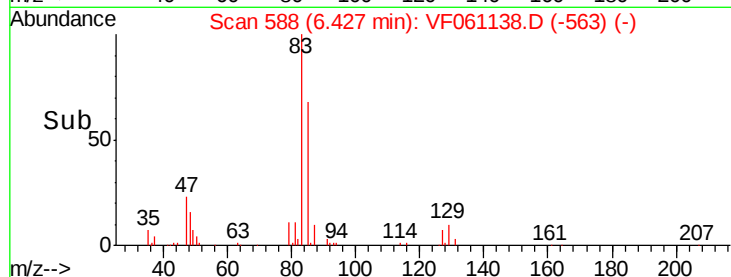
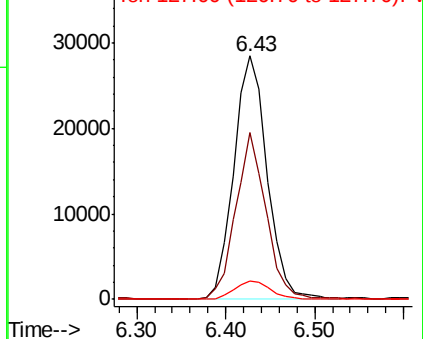
127 7.4 6.1 9.1



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: 61.967 ug/l

RT: 6.76 min Scan# 622

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

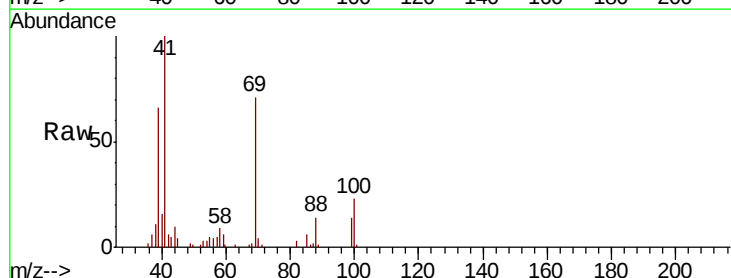
Tgt Ion: 41 Resp: 34329

Ion Ratio Lower Upper

41 100

69 71.3 52.7 79.1

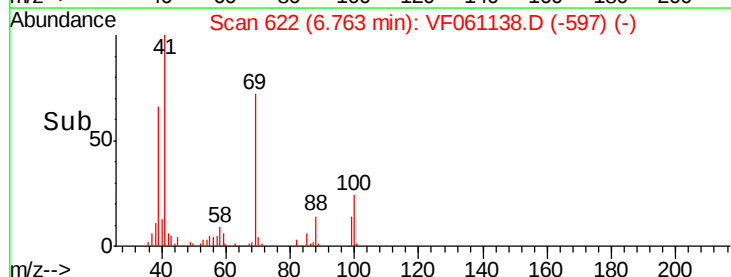
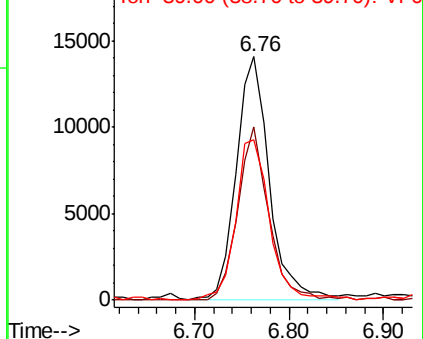
39 65.9 47.8 71.6

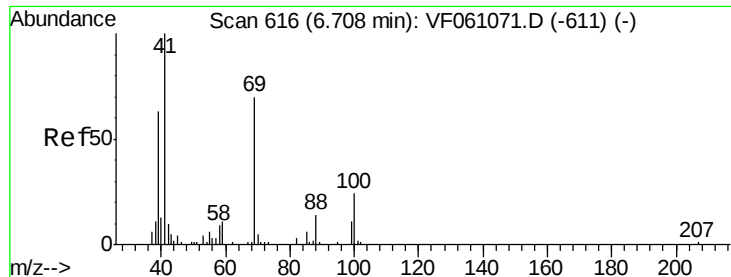


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1307.802 ug/l

RT: 6.75 min Scan# 621

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

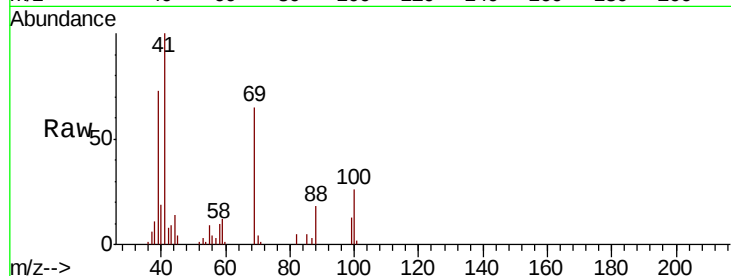
Tot Ion: 88 Resp: 5257

Ion Ratio Lower Upper

88 100

43 49.9 33.3 49.9

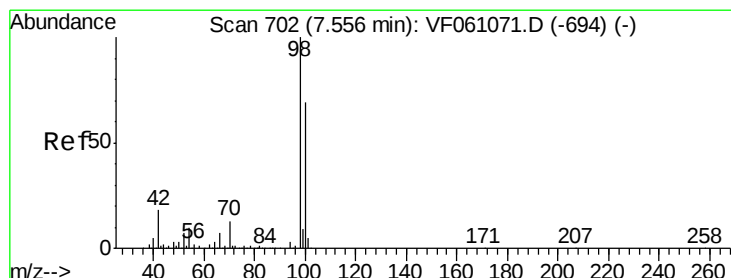
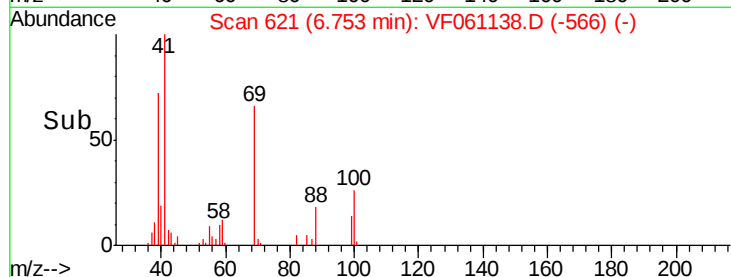
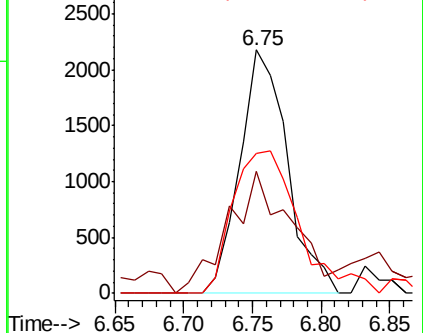
58 57.3 53.2 79.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 50.373 ug/l

RT: 7.59 min Scan# 706

Delta R.T. 0.04 min

Lab File: VF061138.D

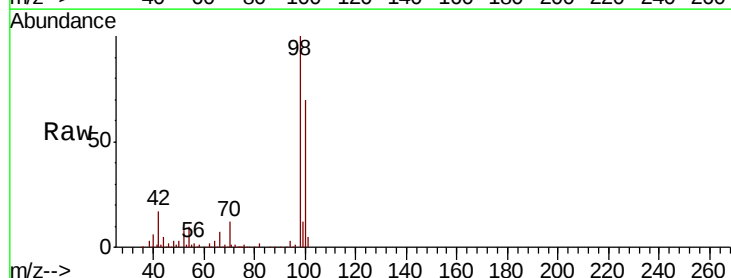
Acq: 21 Dec 2018 21:03

Tgt Ion: 98 Resp: 155695

Ion Ratio Lower Upper

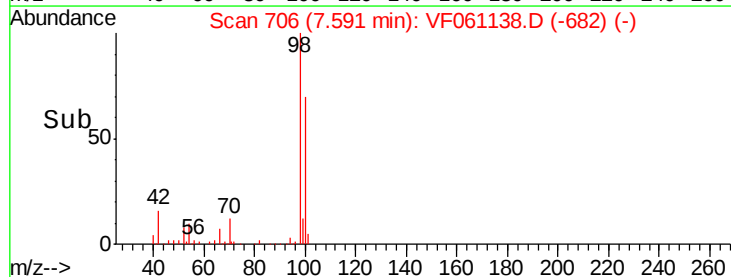
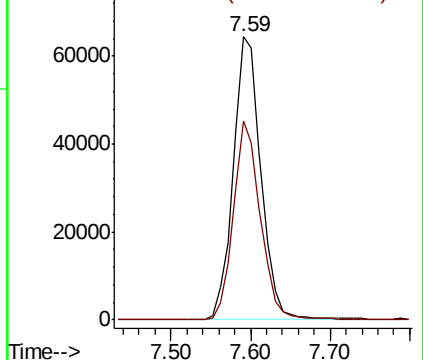
98 100

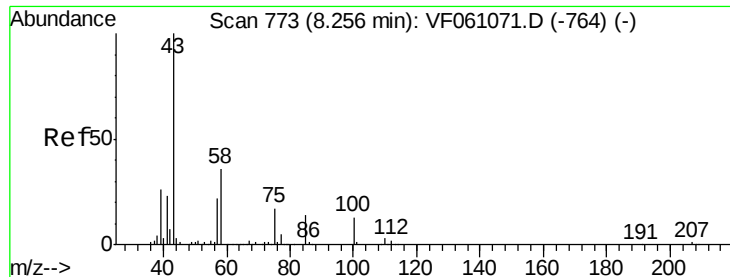
100 70.5 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 324.010 ug/l

RT: 8.30 min Scan# 778

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

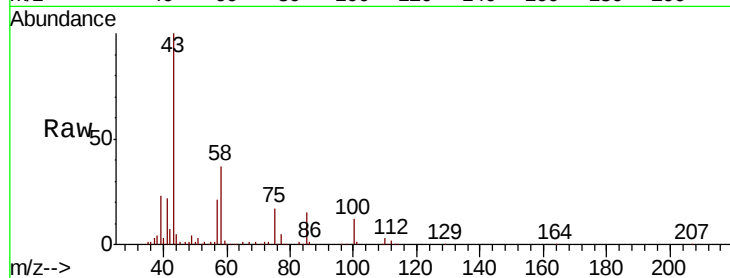
P001-SD006-0612-01MSD

Tot Ion: 43 Resp: 176339

Ion Ratio Lower Upper

43 100

58 37.4 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.30

80000

60000

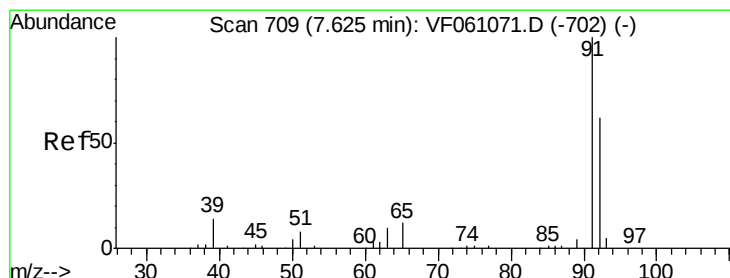
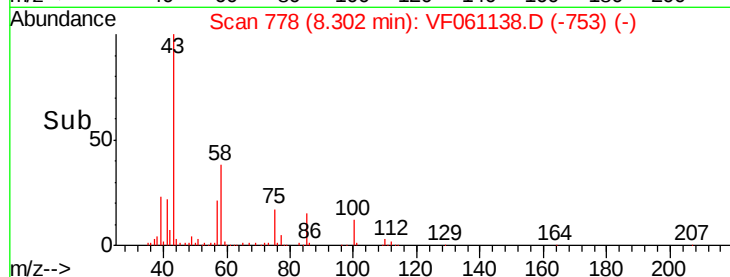
40000

20000

0

8.20 8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 46.985 ug/l

RT: 7.66 min Scan# 713

Delta R.T. 0.04 min

Lab File: VF061138.D

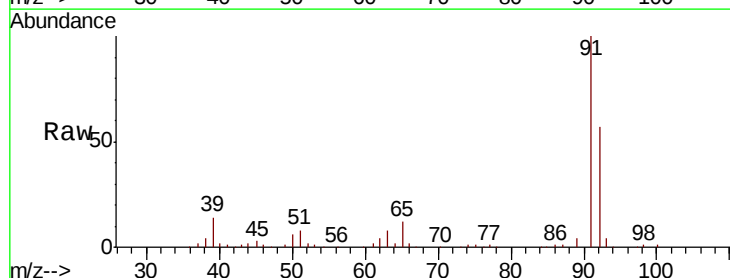
Acq: 21 Dec 2018 21:03

Tgt Ion: 92 Resp: 109923

Ion Ratio Lower Upper

92 100

91 176.3 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.66

80000

60000

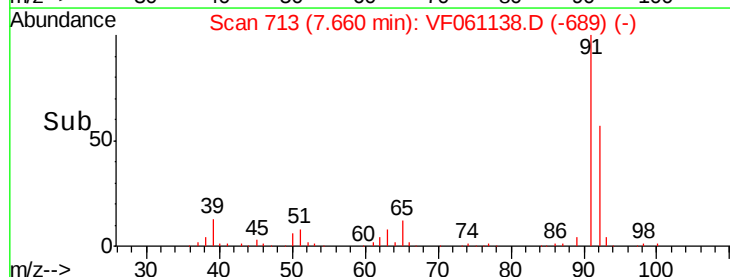
40000

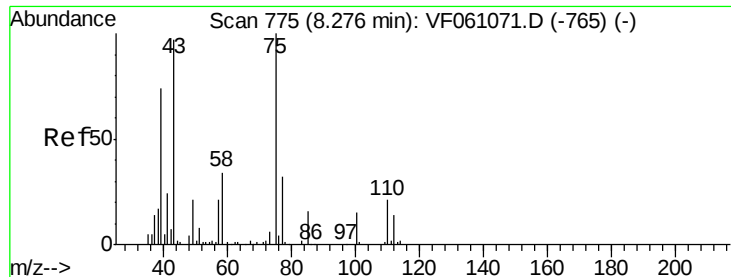
20000

0

7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.469 ug/l

RT: 8.32 min Scan# 780

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

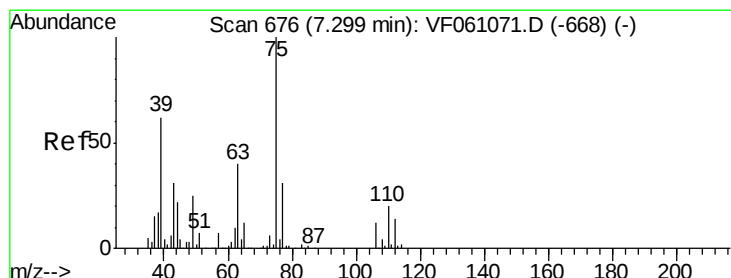
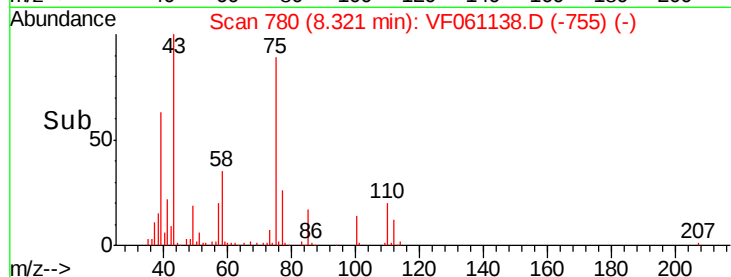
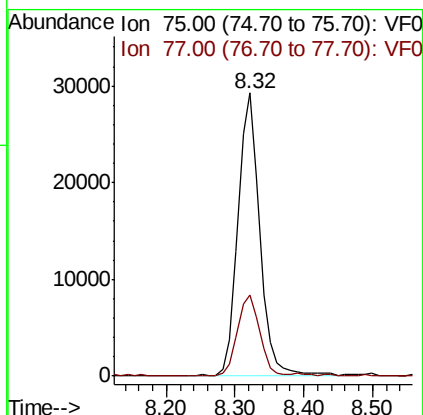
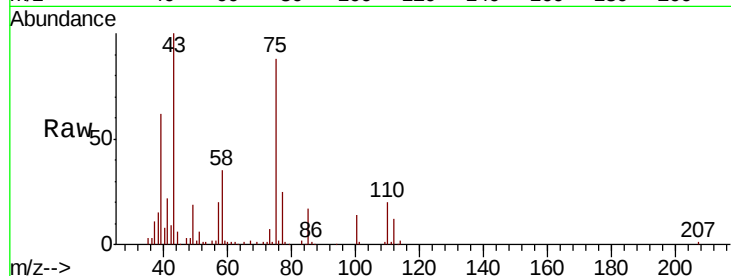
P001-SD006-0612-01MSD

Tot Ion: 75 Resp: 64667

Ion Ratio Lower Upper

75 100

77 28.9 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 43.811 ug/l

RT: 7.33 min Scan# 680

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

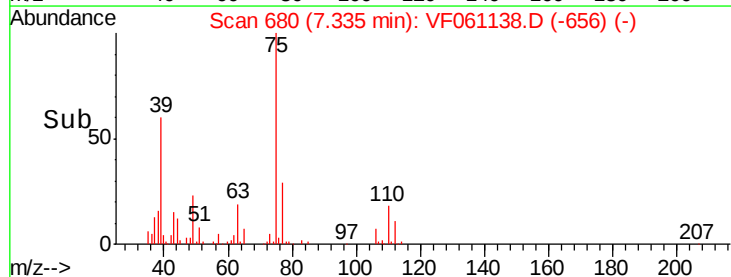
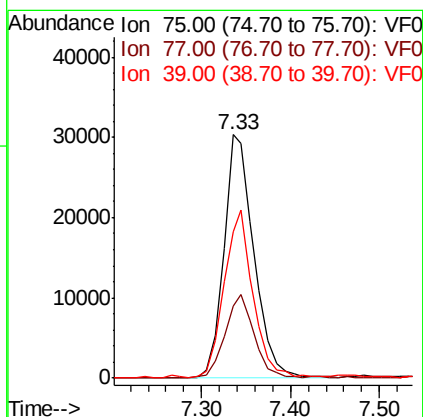
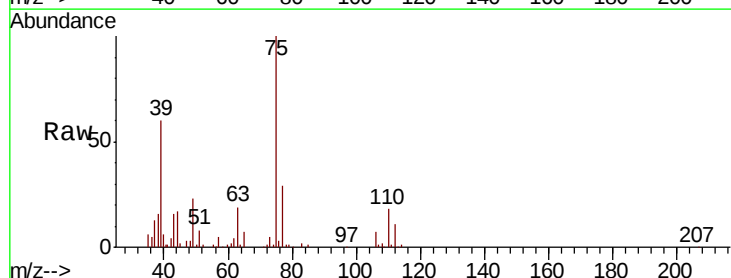
Tgt Ion: 75 Resp: 71879

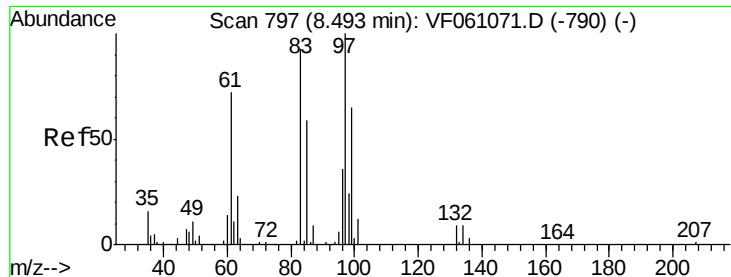
Ion Ratio Lower Upper

75 100

77 29.4 25.0 37.4

39 60.3 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 52.076 ug/l

RT: 8.53 min Scan# 801

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tot Ion: 97 Resp: 36524

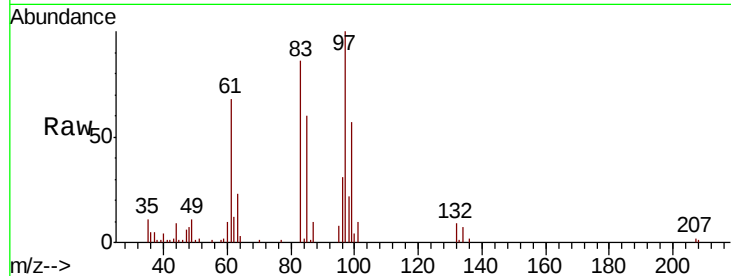
Ion Ratio Lower Upper

97 100

83 86.5 75.0 112.4

85 59.7 47.5 71.3

99 57.4 51.9 77.9

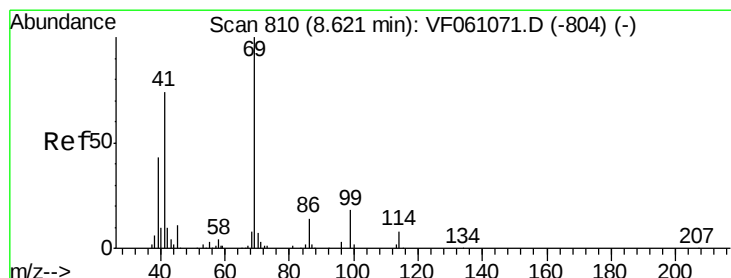
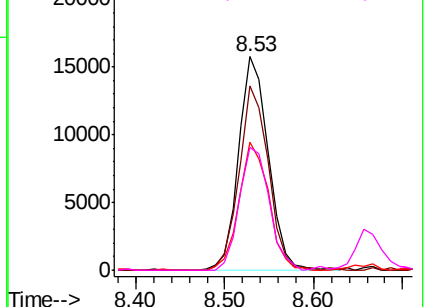
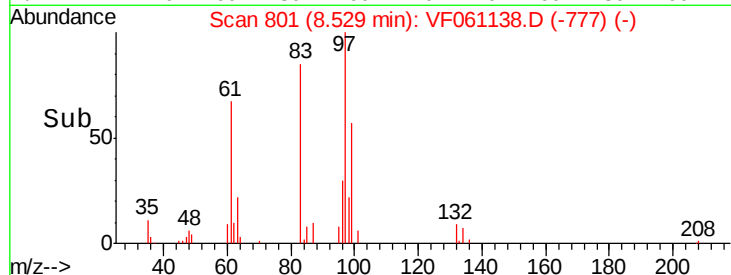


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 47.118 ug/l

RT: 8.66 min Scan# 814

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

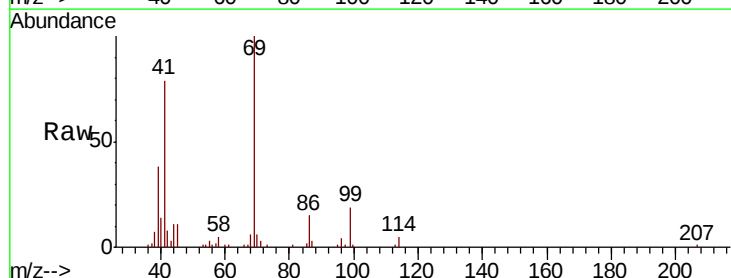
Tgt Ion: 69 Resp: 35759

Ion Ratio Lower Upper

69 100

41 78.9 59.7 89.5

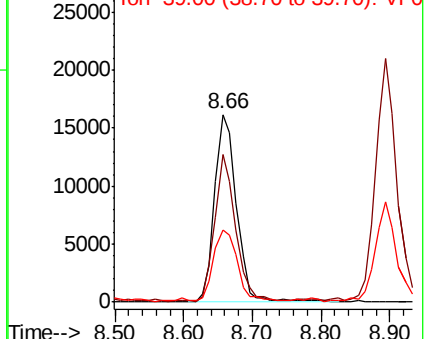
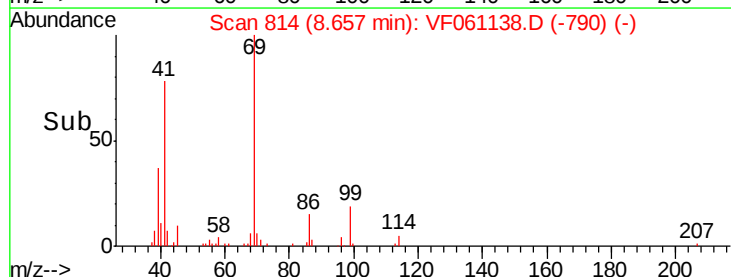
39 38.3 35.0 52.6

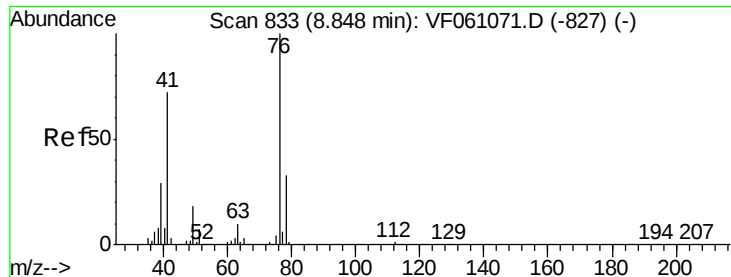


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.538 ug/l

RT: 8.89 min Scan# 838

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

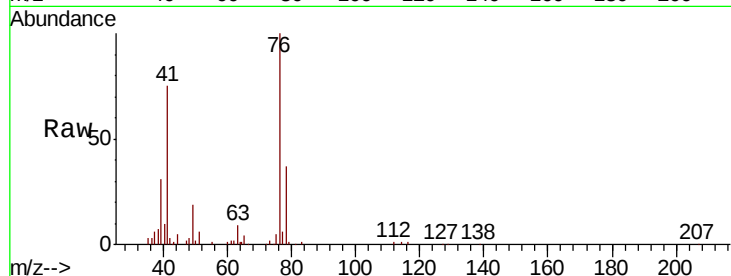
P001-SD006-0612-01MSD

Tot Ion: 76 Resp: 62839

Ion Ratio Lower Upper

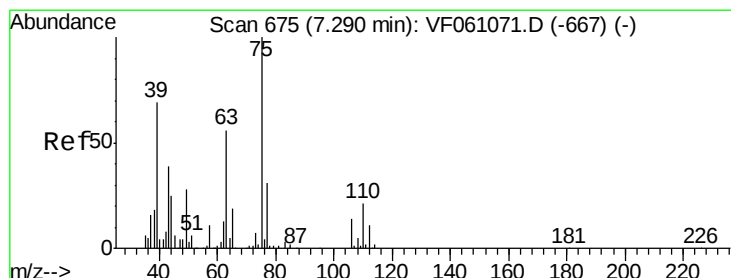
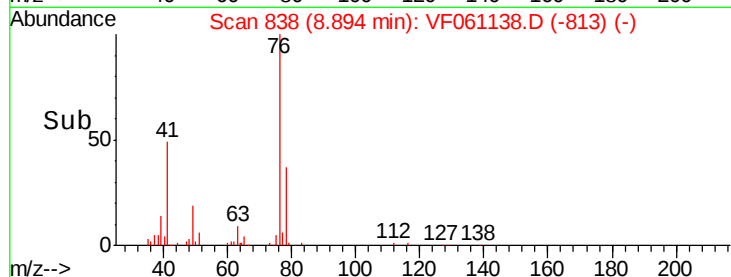
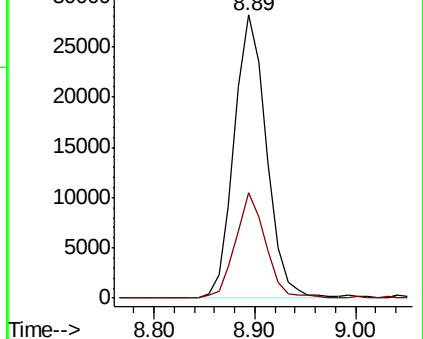
76 100

78 37.4 26.5 39.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 94.109 ug/l

RT: 7.33 min Scan# 680

Delta R.T. 0.05 min

Lab File: VF061138.D

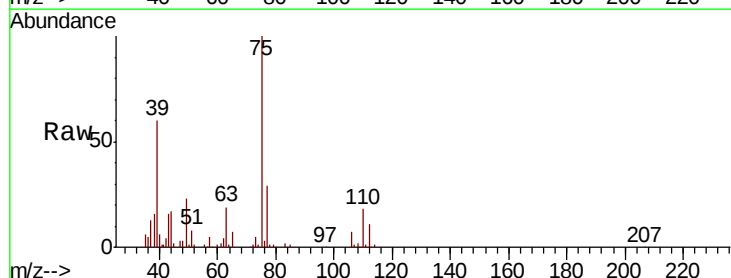
Acq: 21 Dec 2018 21:03

Tgt Ion: 63 Resp: 13717

Ion Ratio Lower Upper

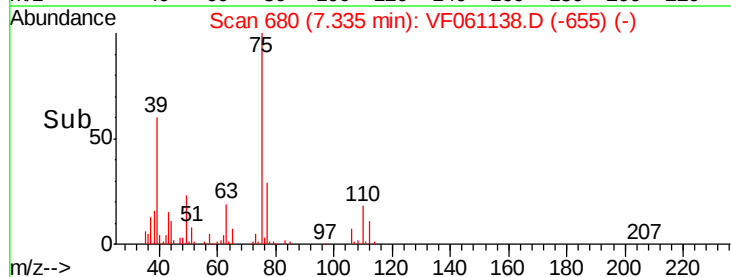
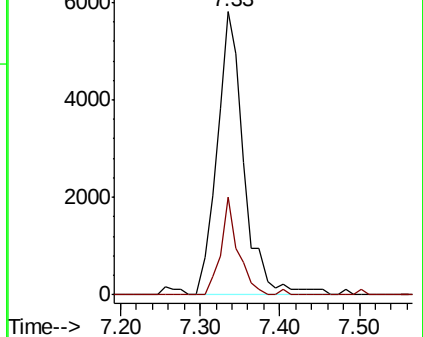
63 100

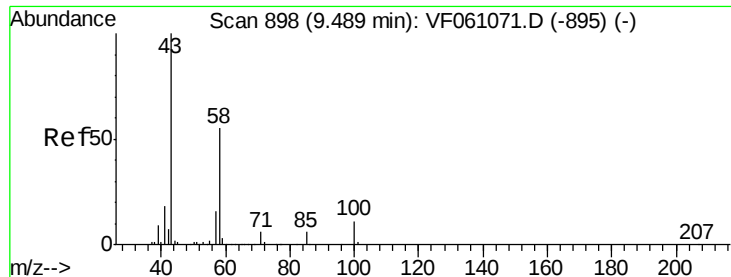
106 34.6 19.8 29.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

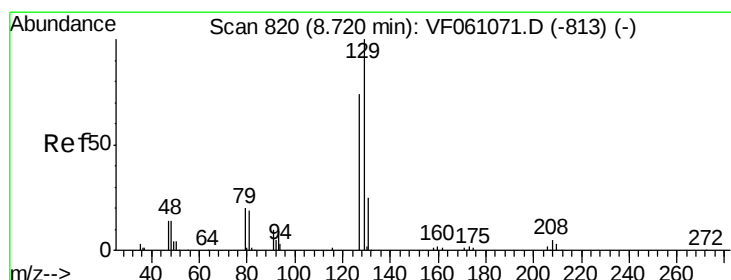
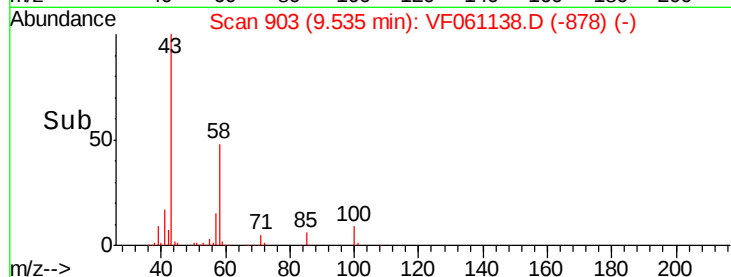
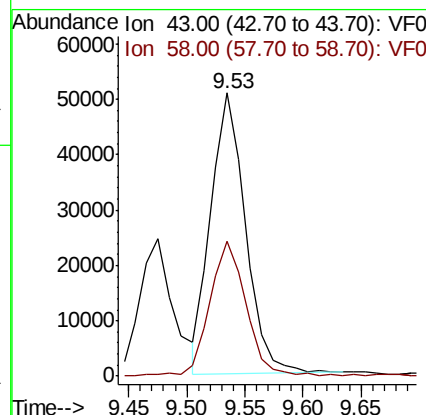
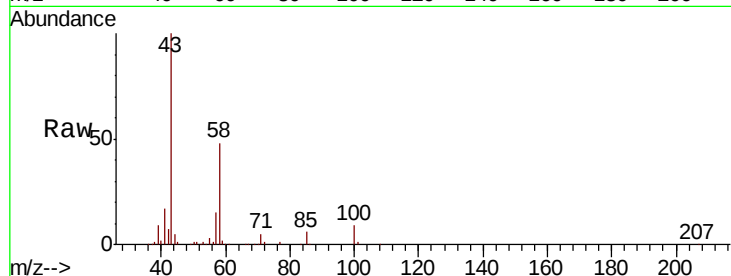




#59
2-Hexanone
Concen: 266.542 ug/l
RT: 9.53 min Scan# 903
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

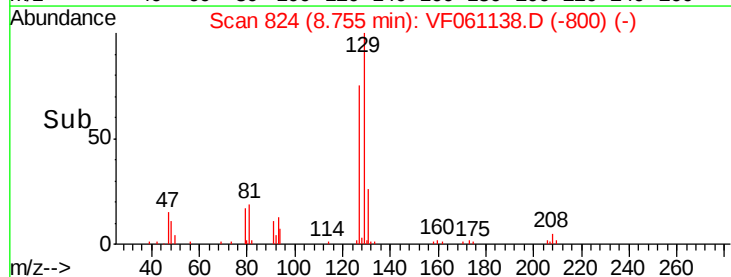
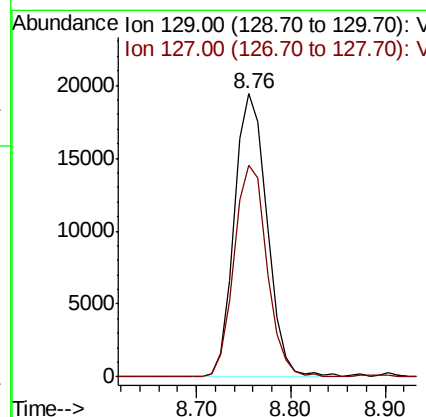
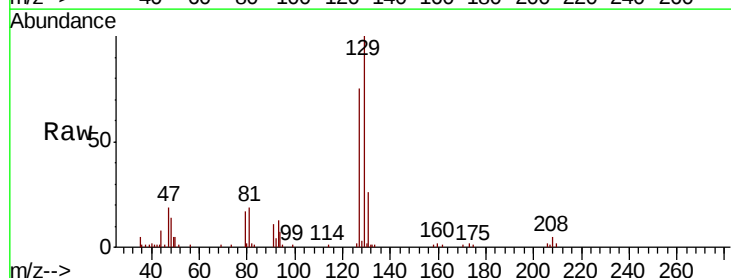
Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

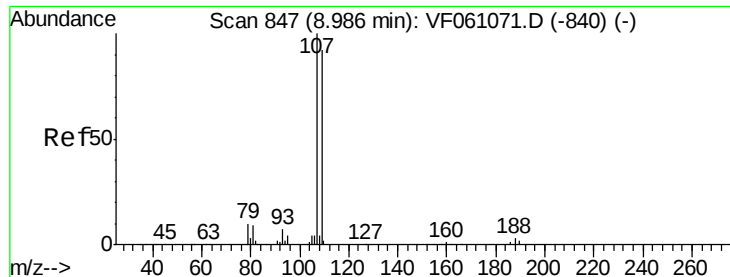
Tot Ion: 43 Resp: 104906
Ion Ratio Lower Upper
43 100
58 47.8 25.1 75.2



#60
Dibromochloromethane
Concen: 46.188 ug/l
RT: 8.76 min Scan# 824
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion: 129 Resp: 46436
Ion Ratio Lower Upper
129 100
127 74.6 36.8 110.3





#61

1,2-Dibromoethane

Concen: 50.508 ug/l

RT: 9.03 min Scan# 852

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

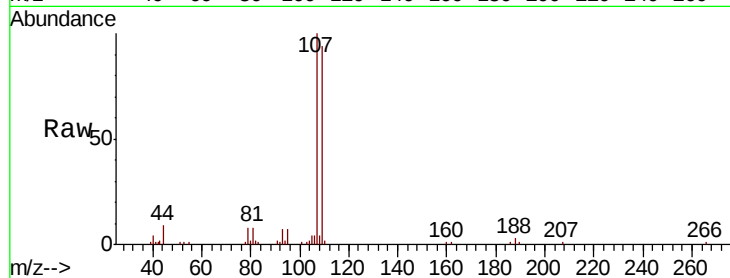
P001-SD006-0612-01MSD

Tot Ion:107 Resp: 37833

Ion Ratio Lower Upper

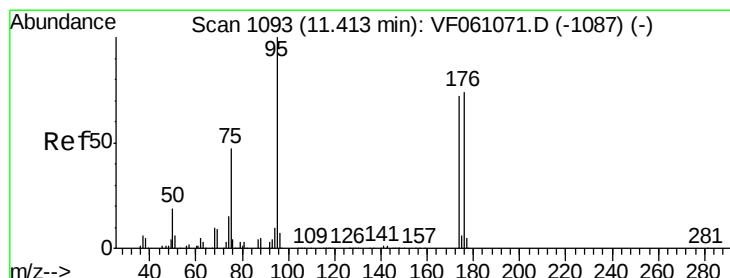
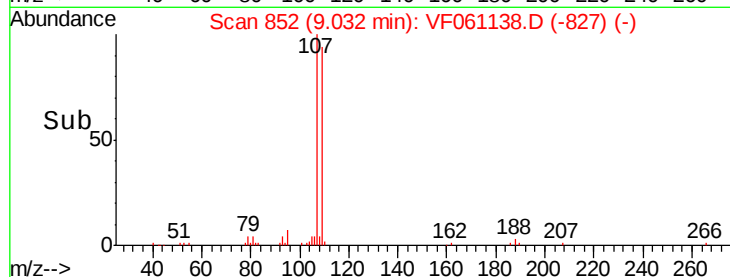
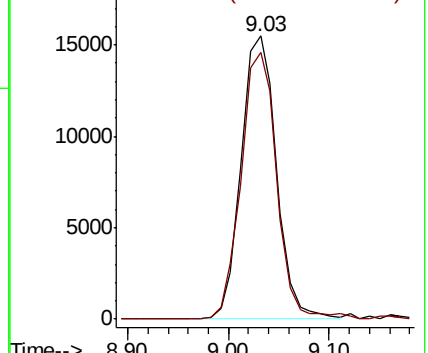
107 100

109 94.1 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 41.602 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

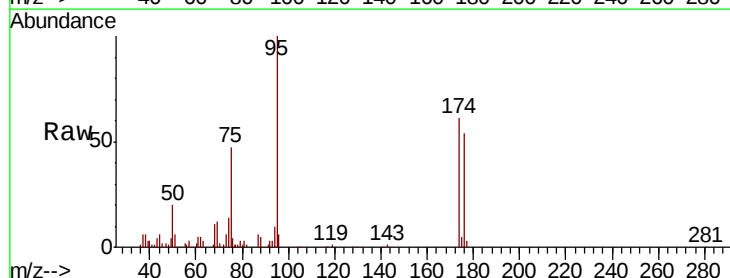
Tgt Ion: 95 Resp: 59280

Ion Ratio Lower Upper

95 100

174 60.8 0.0 143.8

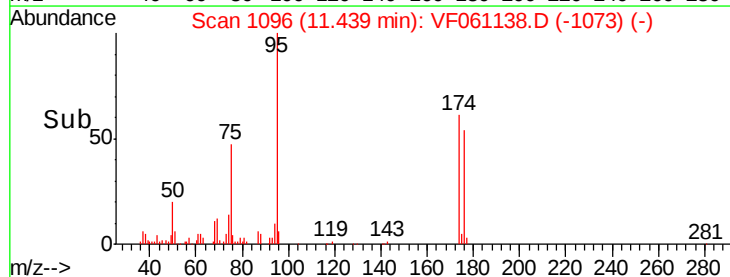
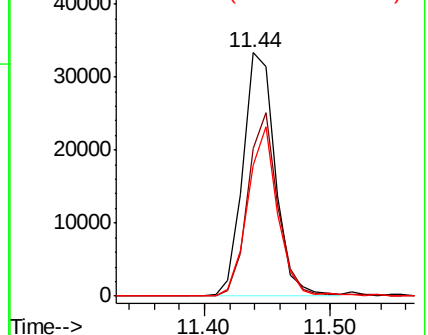
176 53.7 0.0 147.6

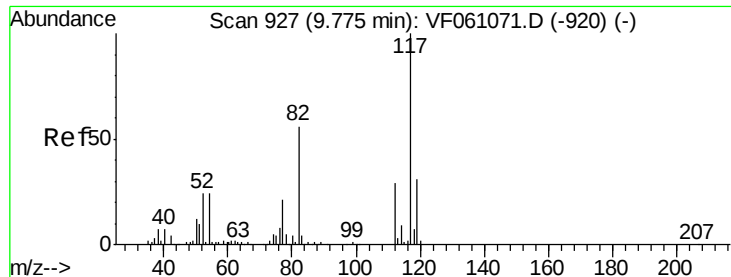


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

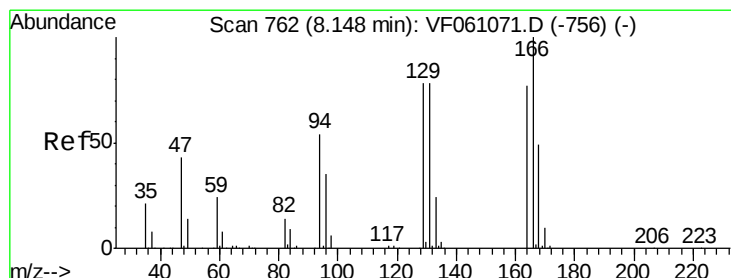
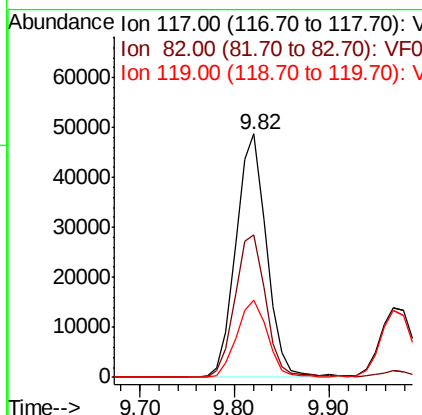
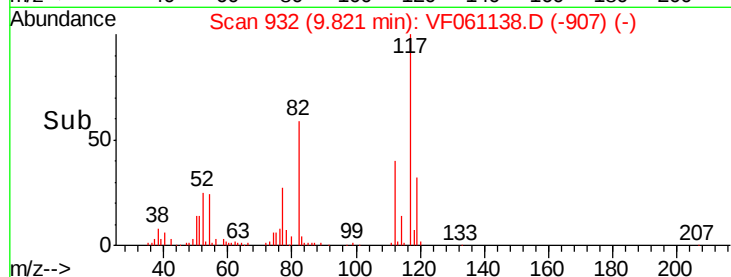
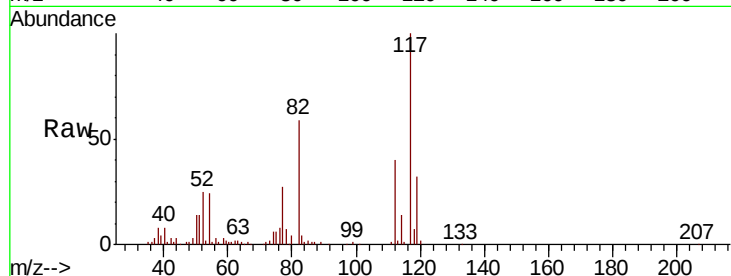




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.82 min Scan# 932
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

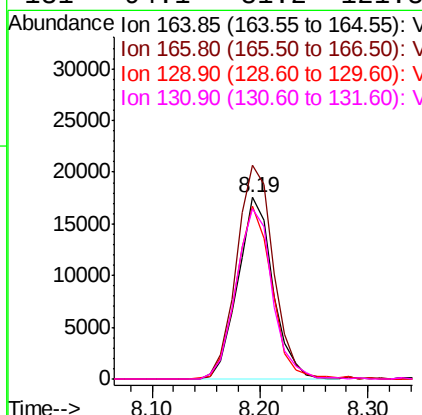
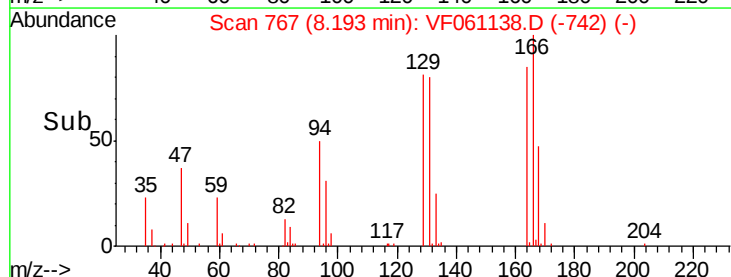
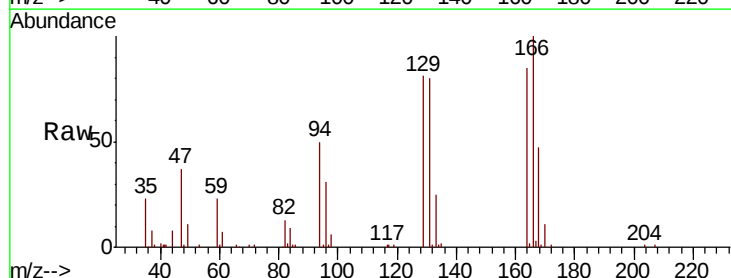
Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

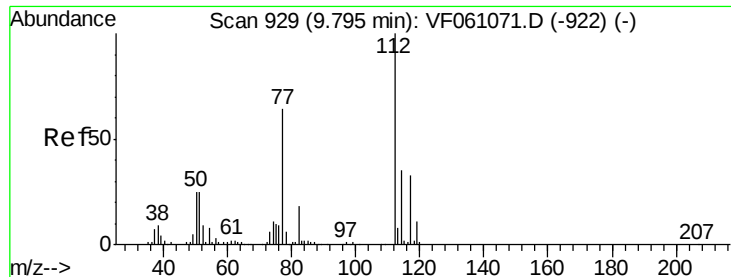
Tot Ion:117 Resp: 109432
Ion Ratio Lower Upper
117 100
82 58.6 45.0 67.4
119 31.8 24.8 37.2



#64
Tetrachloroethene
Concen: 46.823 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion:164 Resp: 39416
Ion Ratio Lower Upper
164 100
166 117.7 104.0 156.0
129 95.3 81.1 121.7
131 94.1 81.2 121.8

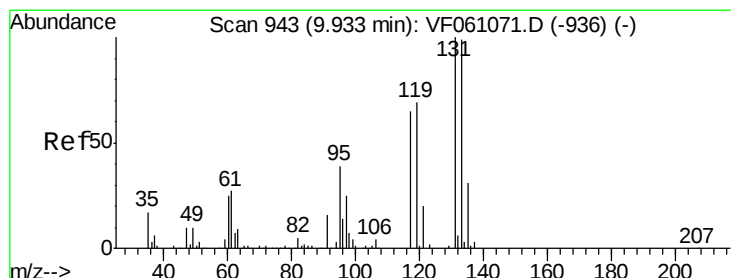
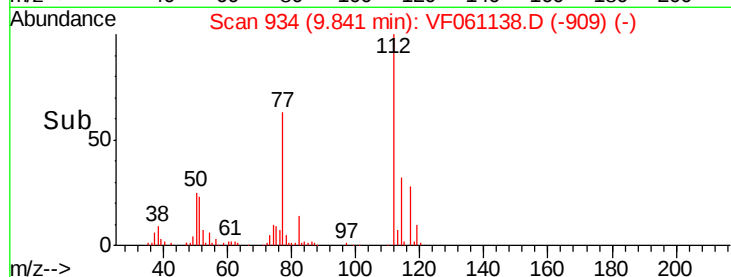
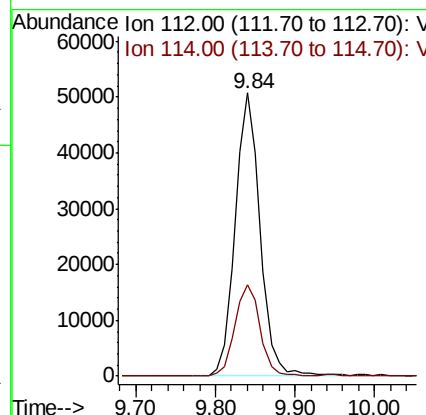
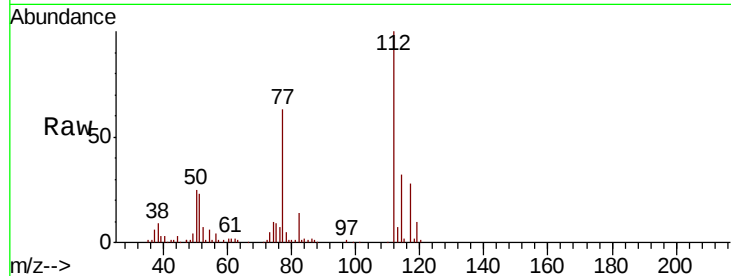




#65
Chlorobenzene
Concen: 49.206 ug/l
RT: 9.84 min Scan# 934
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

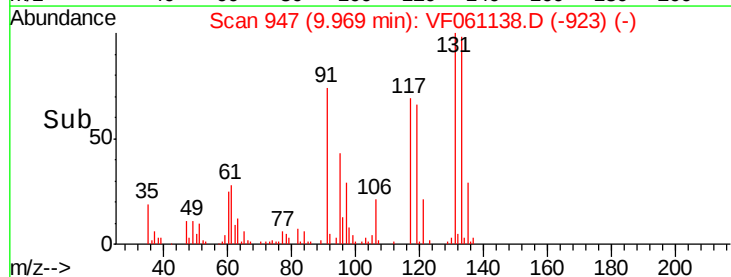
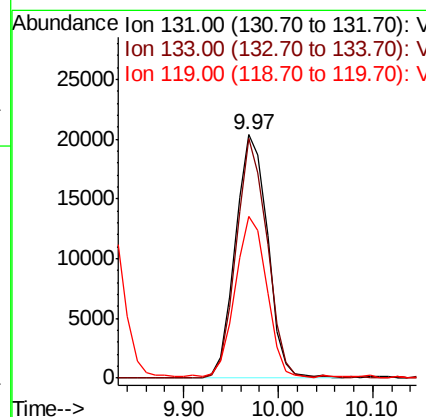
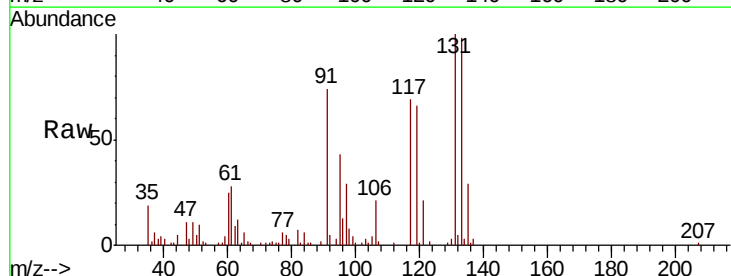
Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

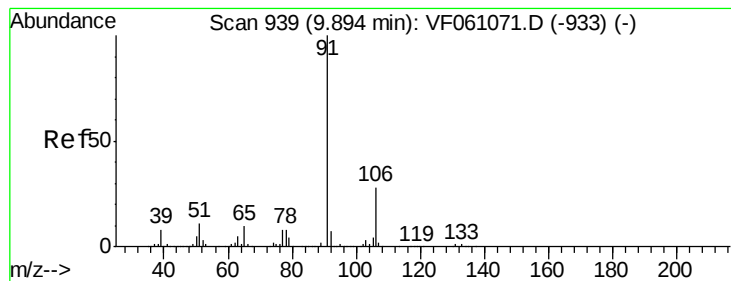
Tot Ion:112 Resp: 111240
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.888 ug/l
RT: 9.97 min Scan# 947
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion:131 Resp: 47937
Ion Ratio Lower Upper
131 100
133 98.4 49.5 148.7
119 66.3 34.5 103.5





#67

Ethyl Benzene

Concen: 51.041 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

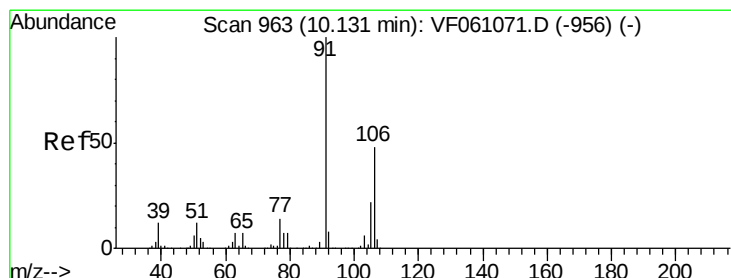
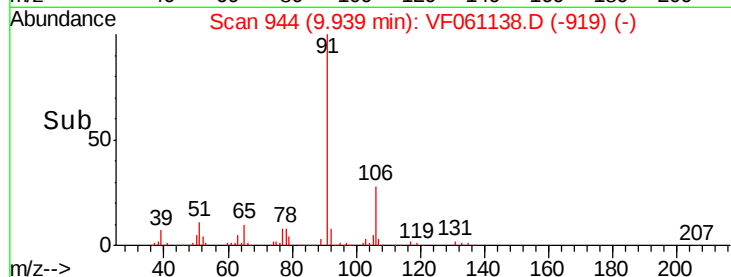
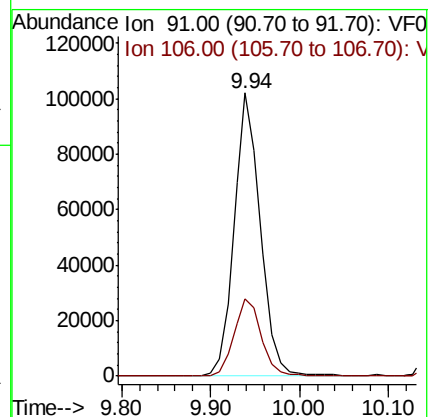
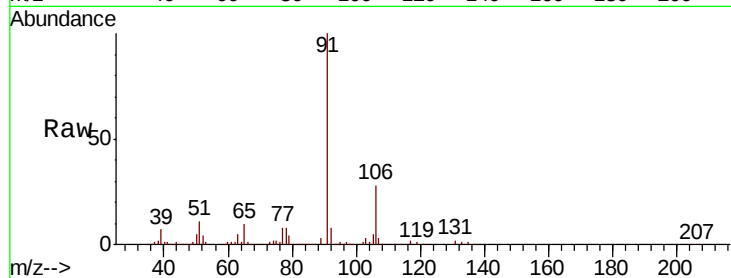
P001-SD006-0612-01MSD

Tot Ion: 91 Resp: 210218

Ion Ratio Lower Upper

91 100

106 27.5 22.5 33.7



#68

m/p-Xylenes

Concen: 100.722 ug/l

RT: 10.18 min Scan# 968

Delta R.T. 0.05 min

Lab File: VF061138.D

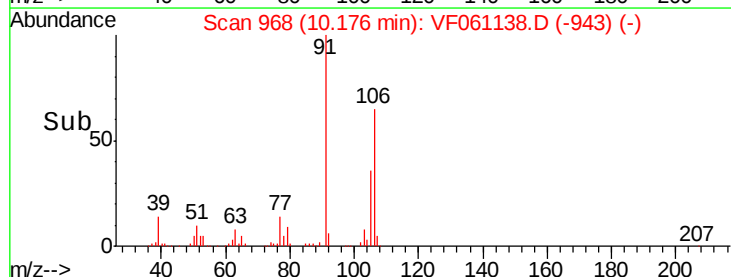
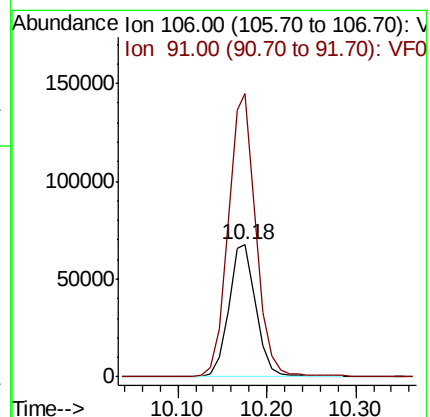
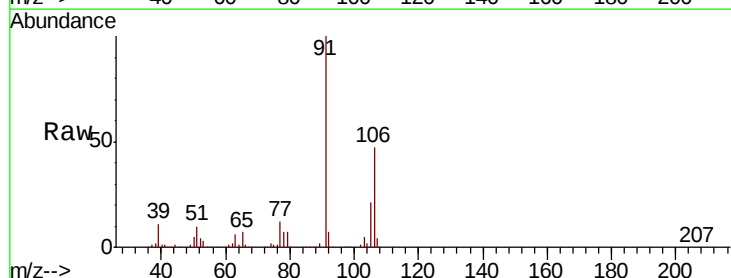
Acq: 21 Dec 2018 21:03

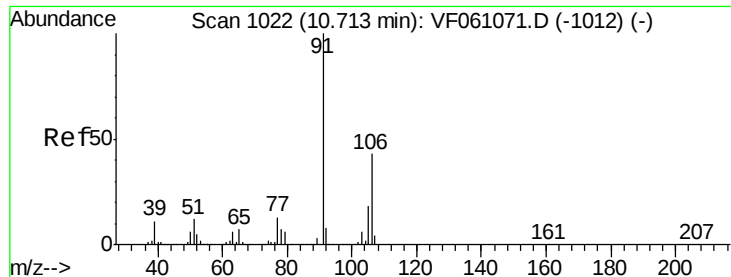
Tgt Ion: 106 Resp: 145989

Ion Ratio Lower Upper

106 100

91 214.8 168.2 252.2

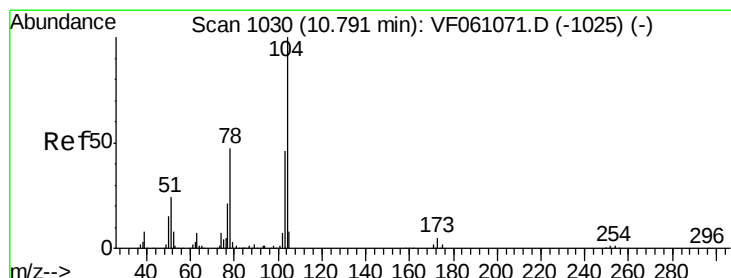
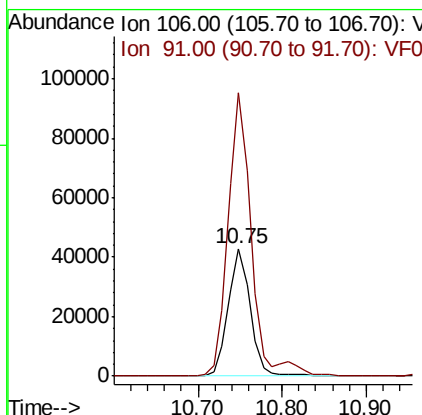
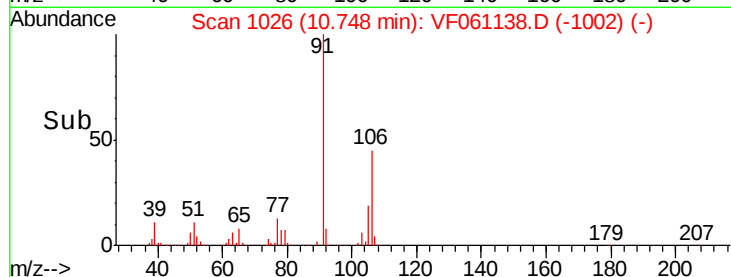
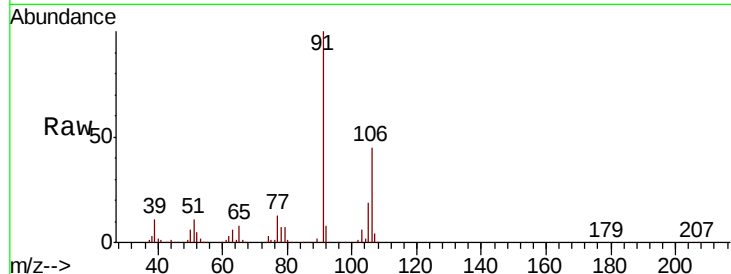




#69
o-Xylene
Concen: 48.821 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

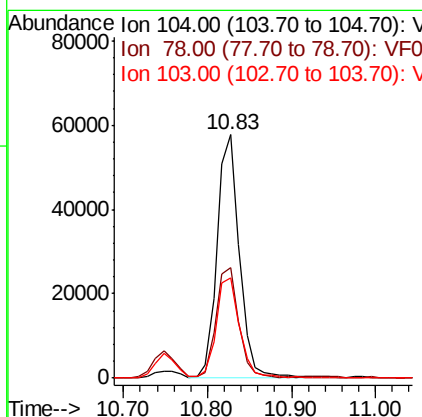
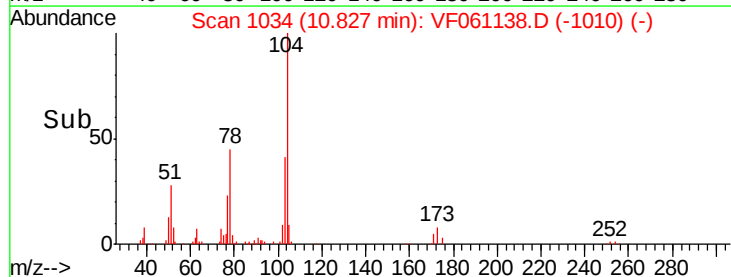
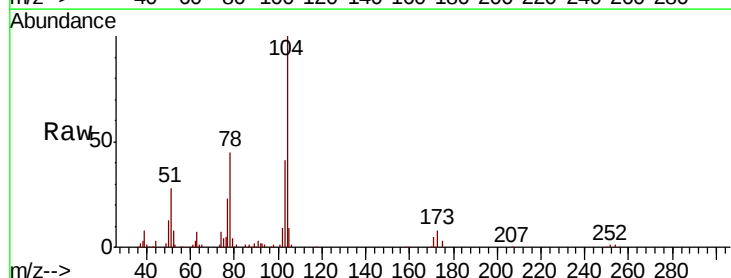
Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

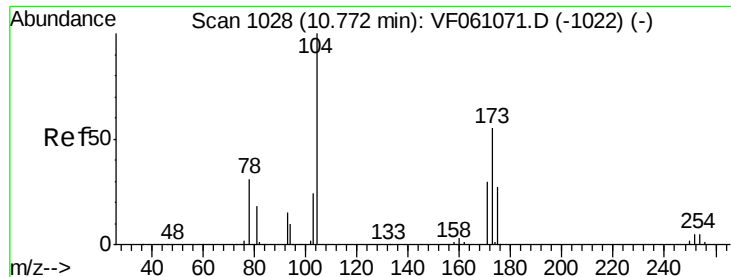
Tot Ion:106 Resp: 78481
Ion Ratio Lower Upper
106 100
91 222.1 115.9 347.7



#70
Styrene
Concen: 54.641 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion:104 Resp: 106145
Ion Ratio Lower Upper
104 100
78 45.2 38.4 57.6
103 41.0 37.0 55.6





#71

Bromoform

Concen: 52.948 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

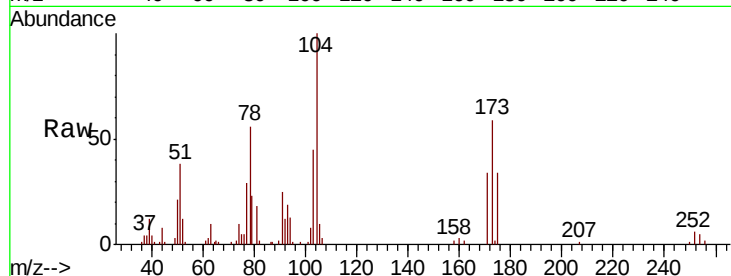
Tot Ion:173 Resp: 22631

Ion Ratio Lower Upper

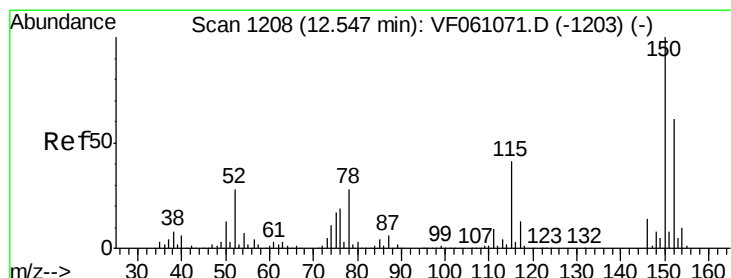
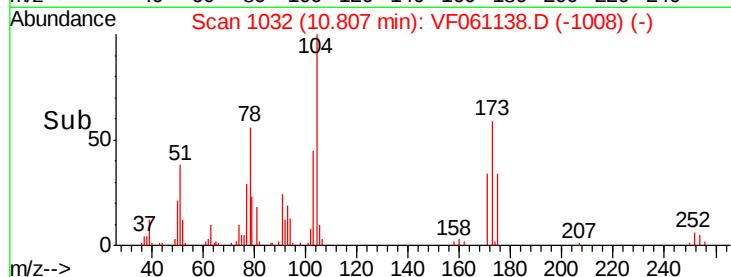
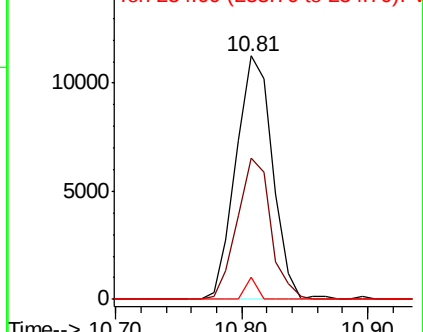
173 100

175 57.9 24.8 74.4

254 9.0 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: 12.58 min Scan# 1212

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

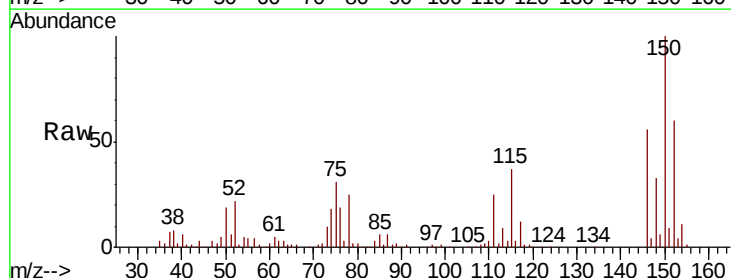
Tgt Ion:152 Resp: 46850

Ion Ratio Lower Upper

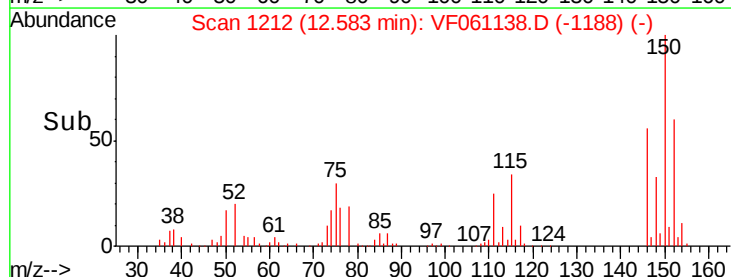
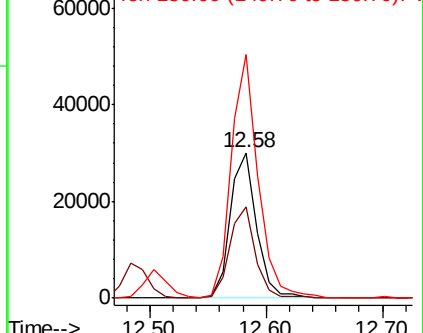
152 100

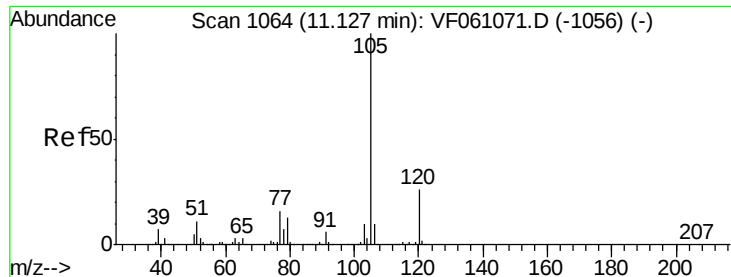
115 62.5 33.3 99.9

150 167.6 0.0 328.2



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: 51.811 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

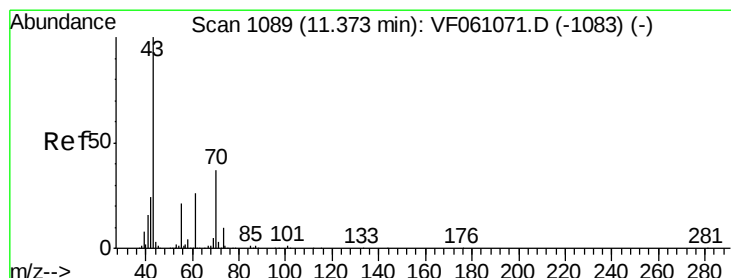
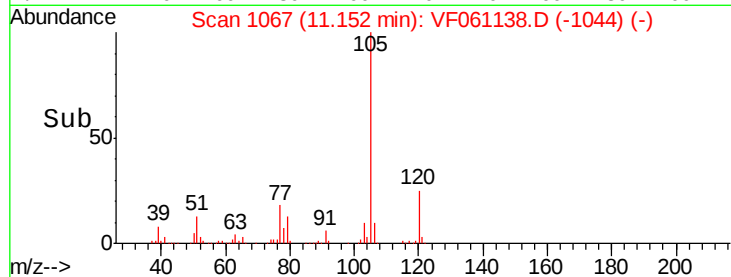
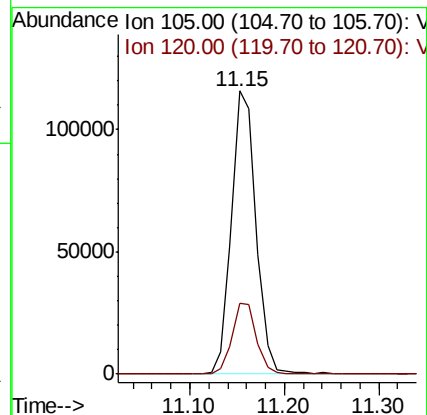
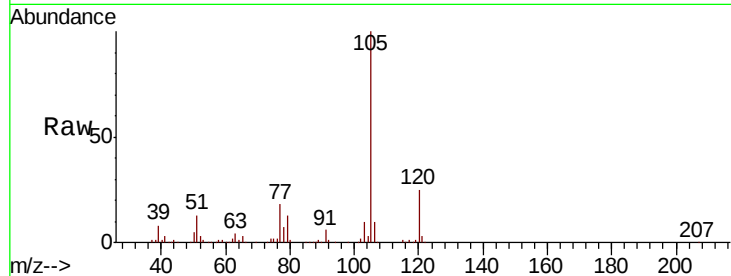
P001-SD006-0612-01MSD

Tot Ion: 105 Resp: 209179

Ion Ratio Lower Upper

105 100

120 24.9 13.0 39.0



#74

N-ethyl acetate

Concen: 53.403 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Tgt Ion: 43 Resp: 47868

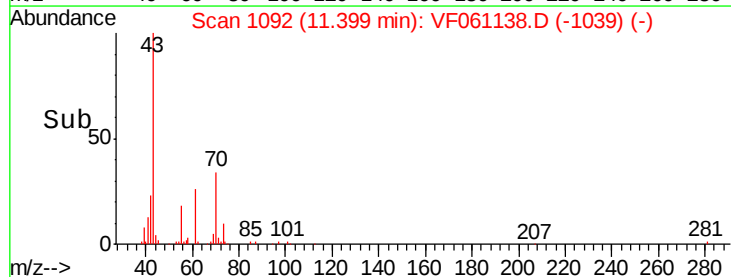
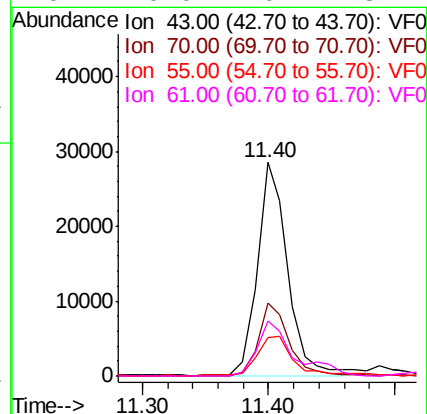
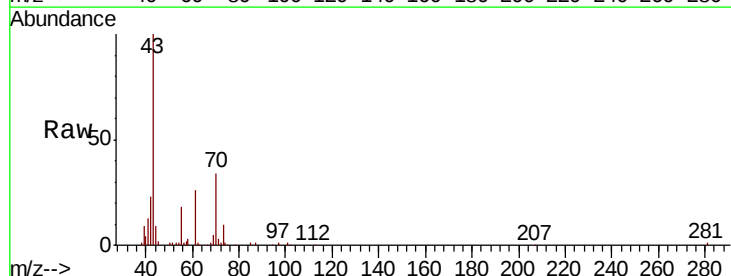
Ion Ratio Lower Upper

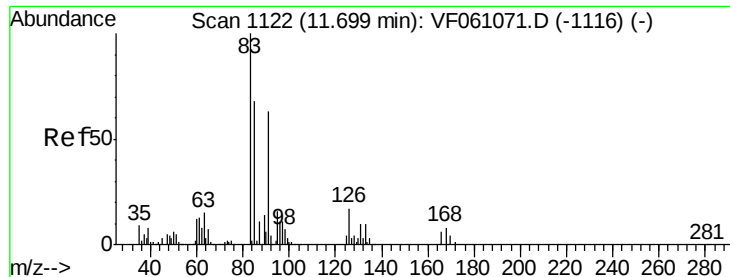
43 100

70 34.2 29.2 43.8

55 18.0 16.5 24.7

61 26.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 74.523 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

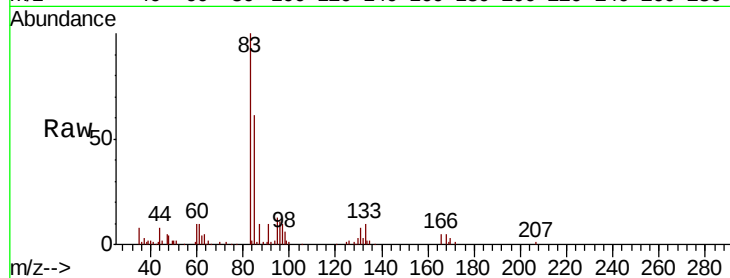
Tot Ion: 83 Resp: 49935

Ion Ratio Lower Upper

83 100

131 8.0 4.8 14.3

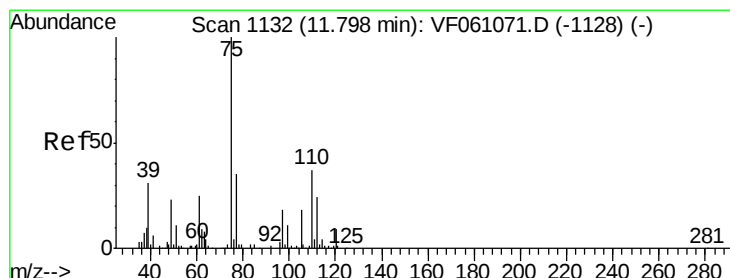
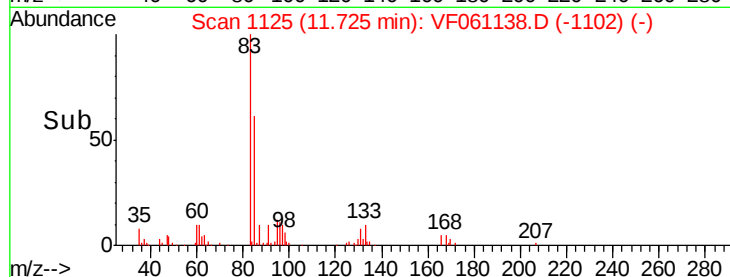
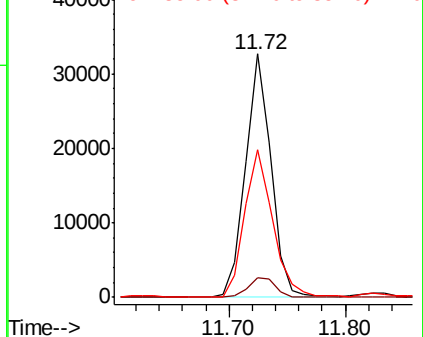
85 60.8 33.9 101.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 73.706 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.03 min

Lab File: VF061138.D

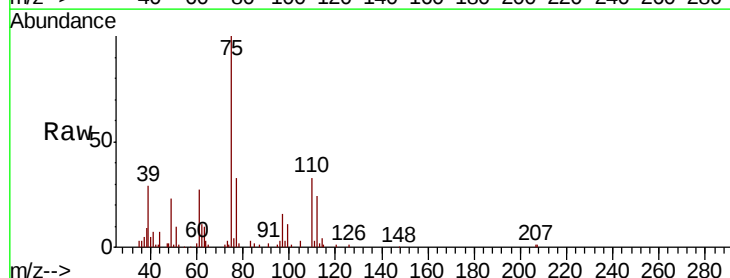
Acq: 21 Dec 2018 21:03

Tgt Ion: 75 Resp: 36754

Ion Ratio Lower Upper

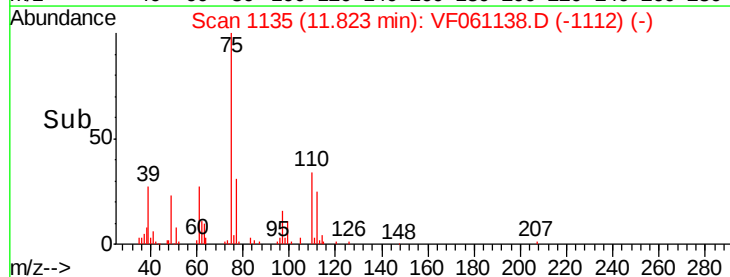
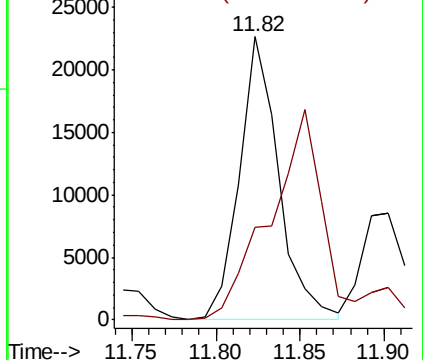
75 100

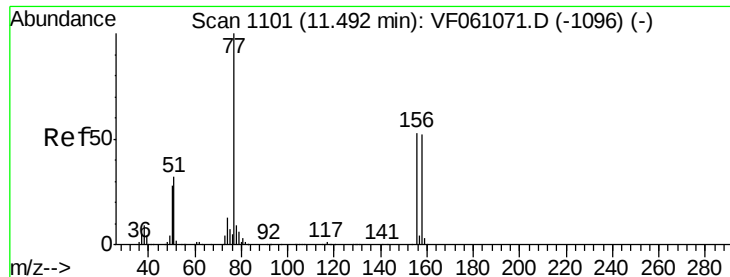
77 32.5 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.113 ug/l

RT: 11.53 min Scan# 1105

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

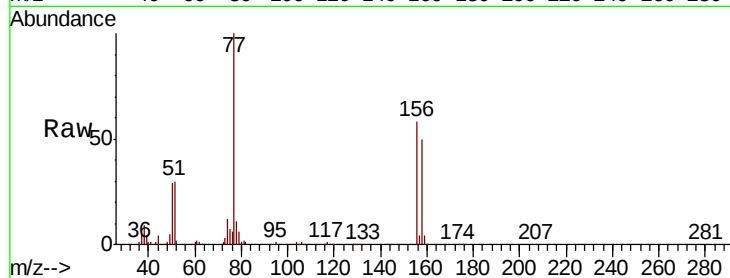
Tot Ion:156 Resp: 47029

Ion Ratio Lower Upper

156 100

77 172.1 93.8 281.4

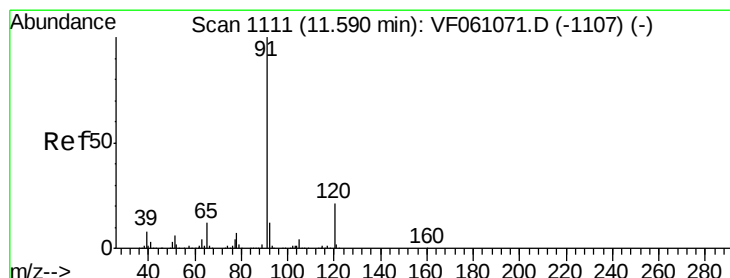
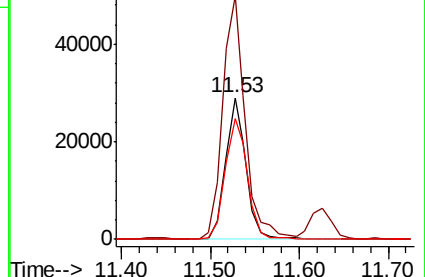
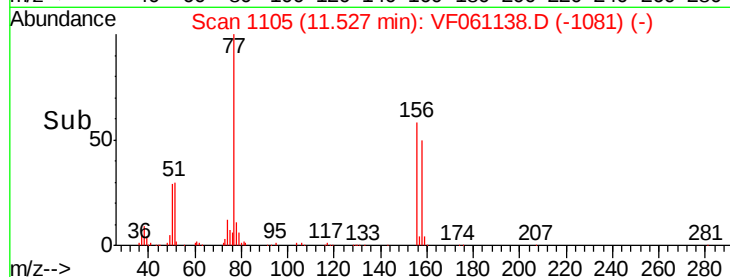
158 85.6 48.9 146.8



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: 54.573 ug/l

RT: 11.63 min Scan# 1115

Delta R.T. 0.04 min

Lab File: VF061138.D

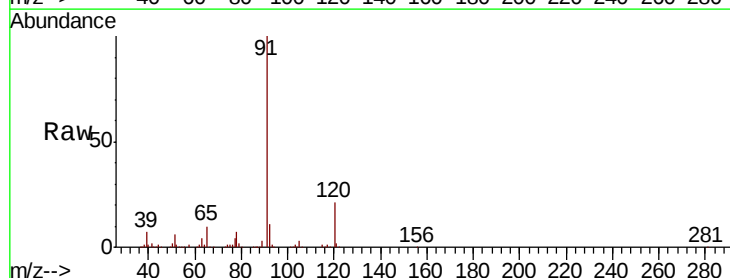
Acq: 21 Dec 2018 21:03

Tgt Ion: 91 Resp: 248855

Ion Ratio Lower Upper

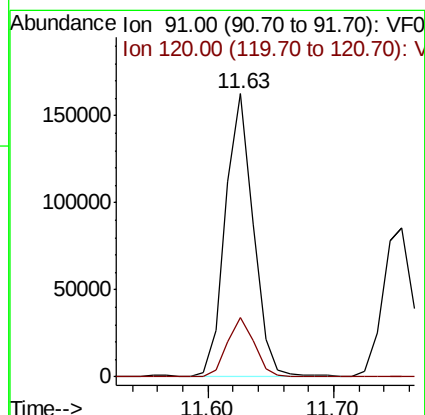
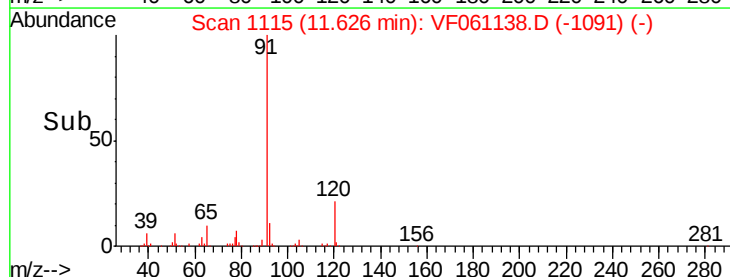
91 100

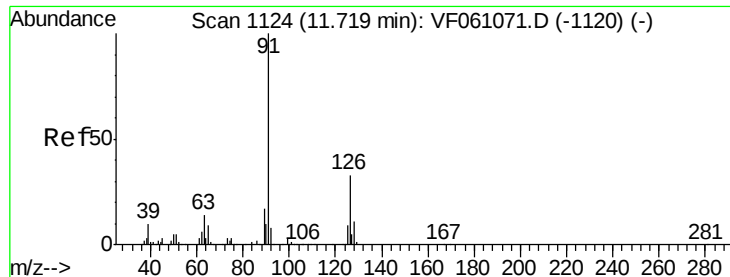
120 21.0 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

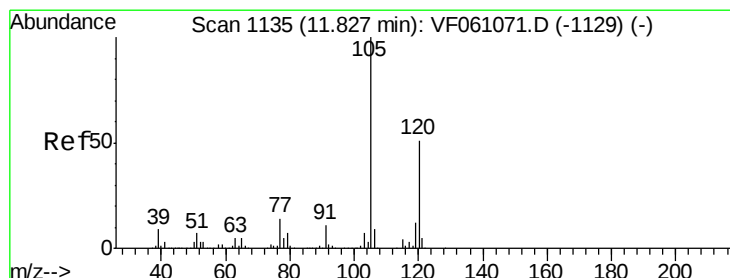
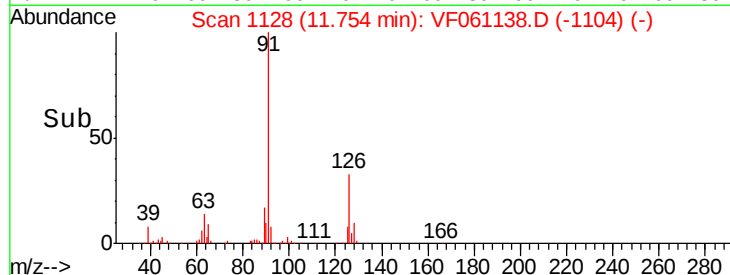
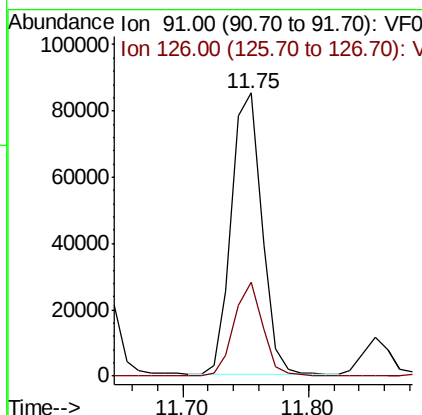
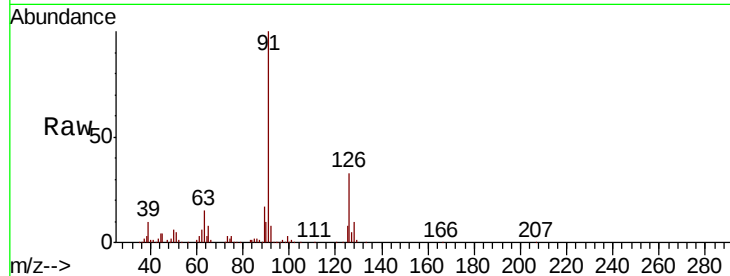




#79
 2-Chlorotoluene
 Concen: 51.252 ug/l
 RT: 11.75 min Scan# 1128
 Delta R.T. 0.04 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

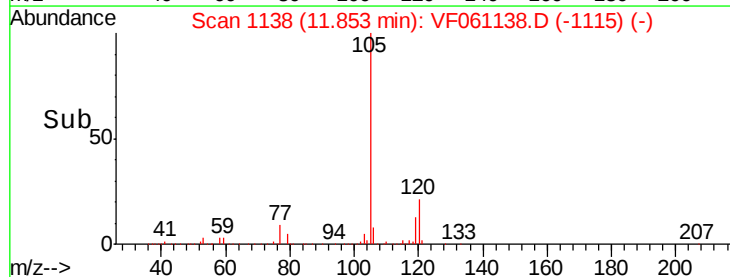
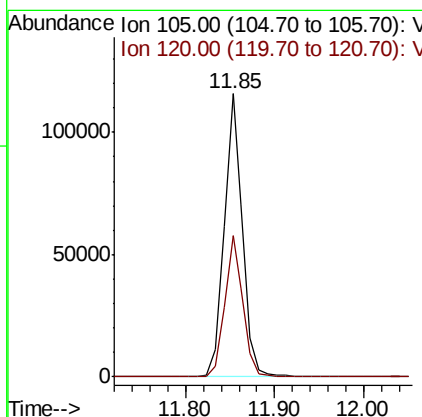
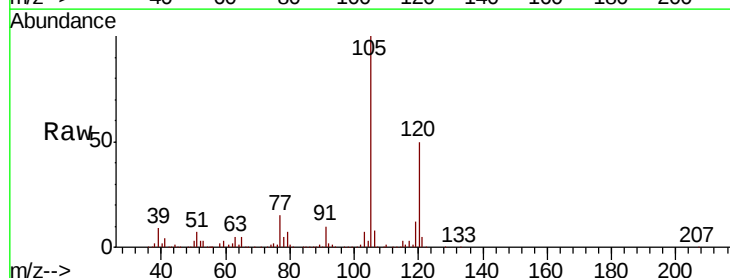
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

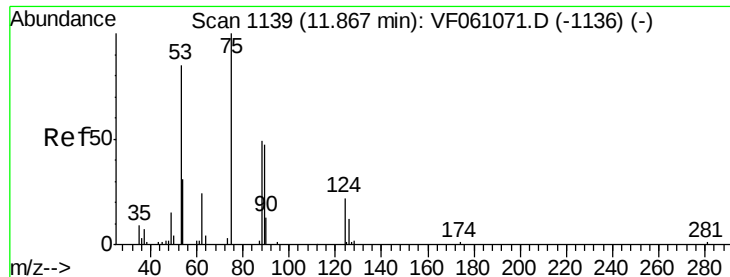
Tot Ion: 91 Resp: 141947
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 50.137 ug/l
 RT: 11.85 min Scan# 1138
 Delta R.T. 0.03 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Tgt Ion: 105 Resp: 166675
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 90.467 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

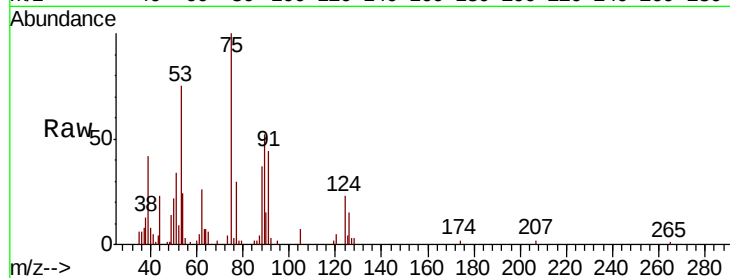
MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tot Ion: 75 Resp: 19385

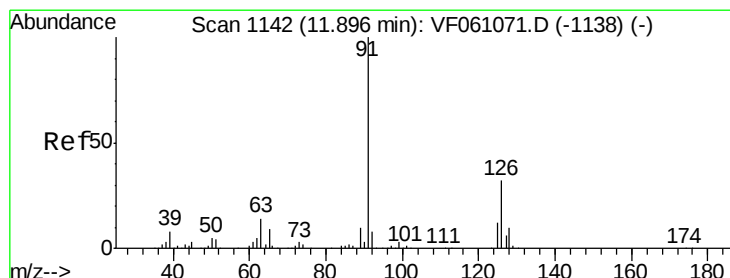
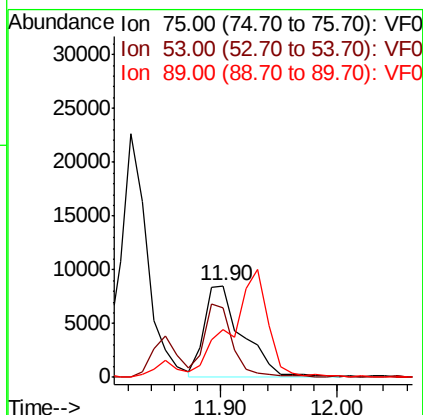
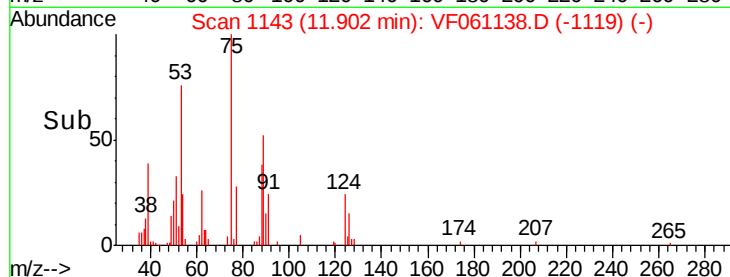
Ion	Ratio	Lower	Upper
75	100		
53	75.3	74.1	111.1
89	52.2	42.6	64.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 49.489 ug/l

RT: 11.93 min Scan# 1146

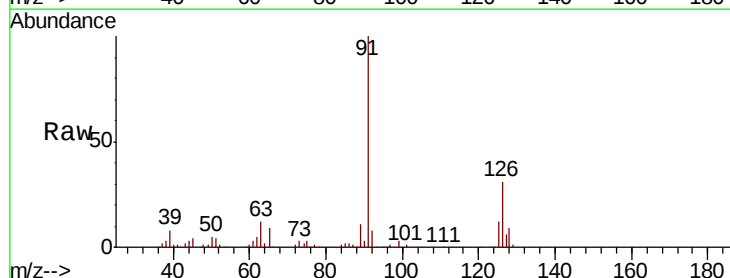
Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

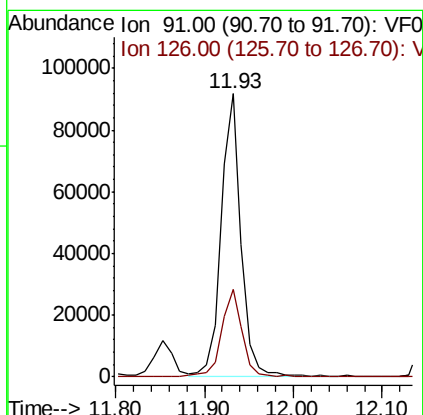
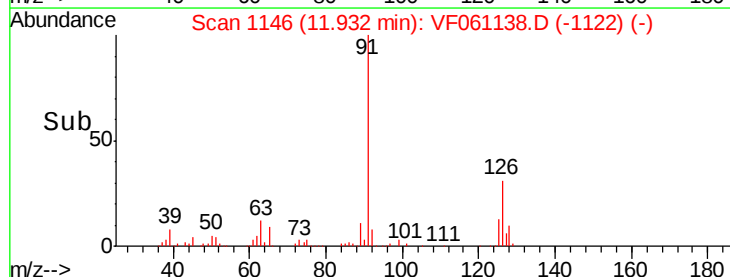
Tgt Ion: 91 Resp: 141789

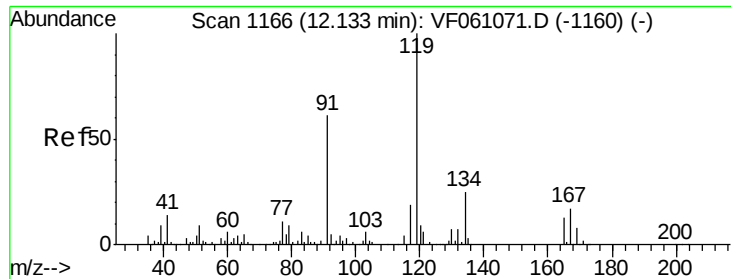
Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.0	47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

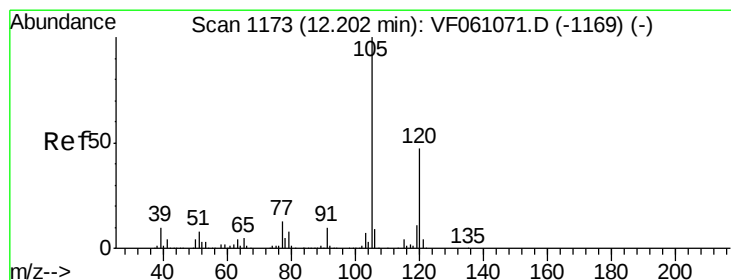
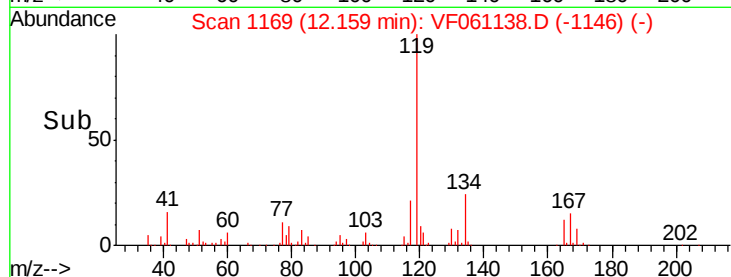
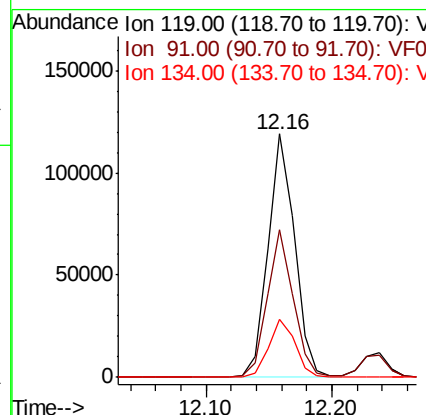
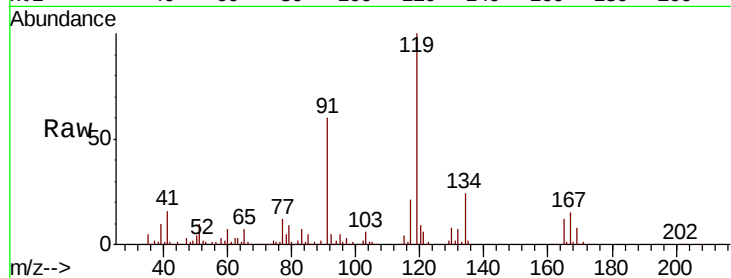




#83
 tert-Butylbenzene
 Concen: 51.607 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. 0.03 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

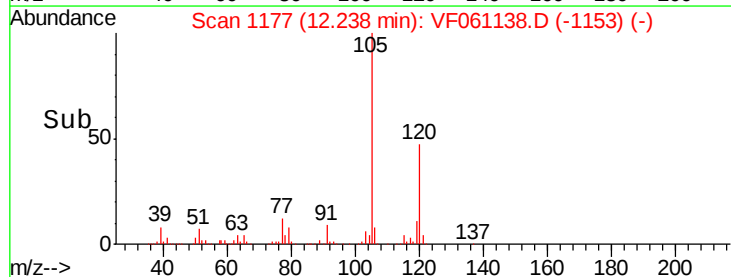
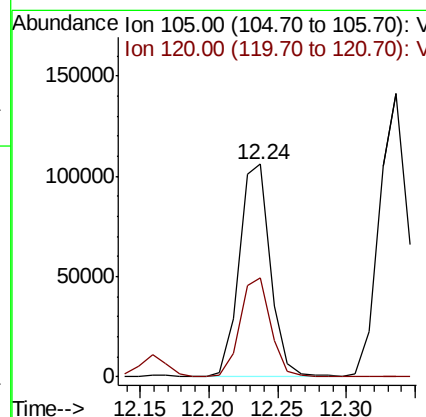
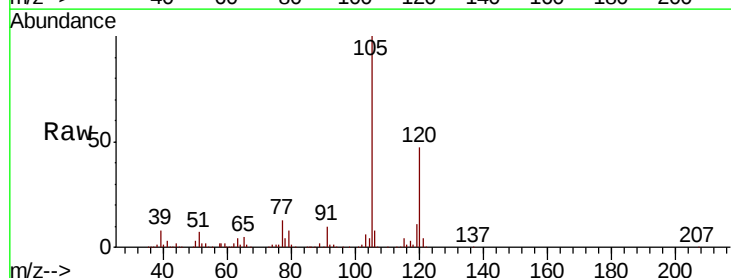
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

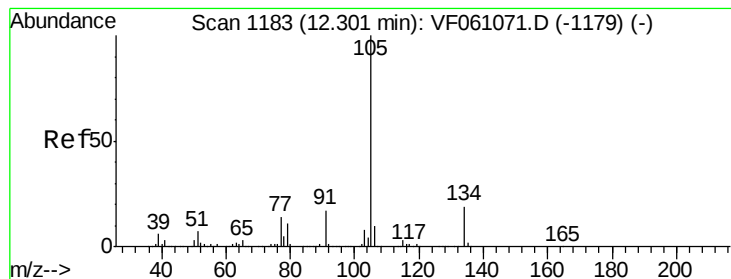
Tot Ion:119 Resp: 176543
 Ion Ratio Lower Upper
 119 100
 91 60.4 30.5 91.5
 134 24.0 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 50.546 ug/l
 RT: 12.24 min Scan# 1177
 Delta R.T. 0.04 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Tgt Ion:105 Resp: 167567
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.6 71.0





#85

sec-Butylbenzene

Concen: 46.829 ug/l

RT: 12.34 min Scan# 1187

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

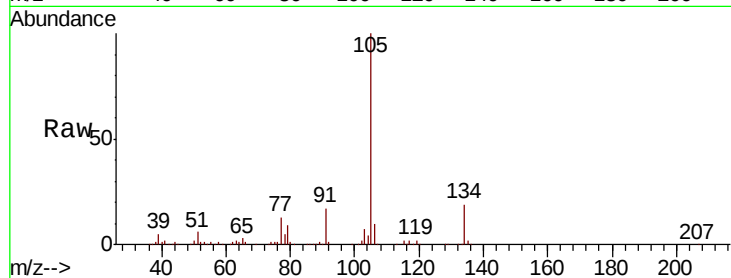
P001-SD006-0612-01MSD

Tot Ion:105 Resp: 209061

Ion Ratio Lower Upper

105 100

134 19.5 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.34

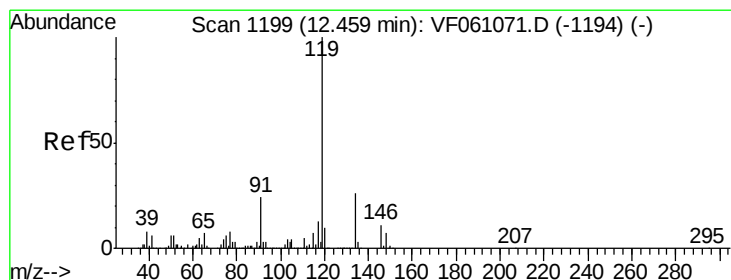
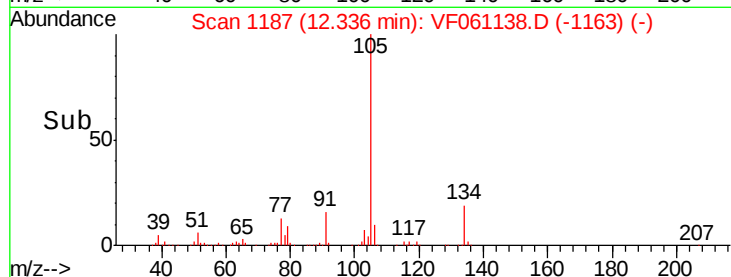
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 46.159 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

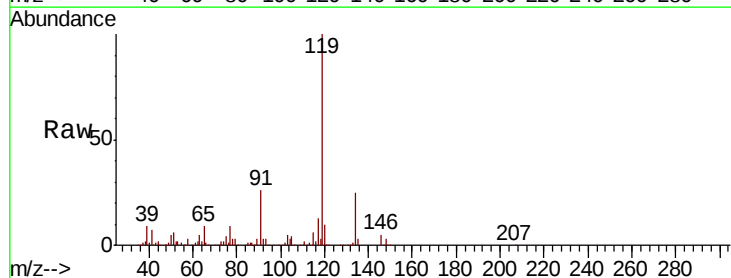
Tgt Ion:119 Resp: 171047

Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.4

91 25.6 12.2 36.6



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): V

12.48

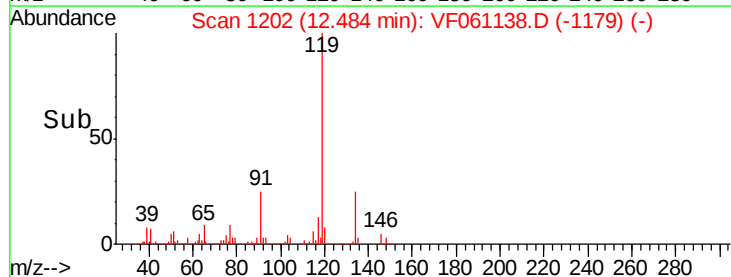
150000

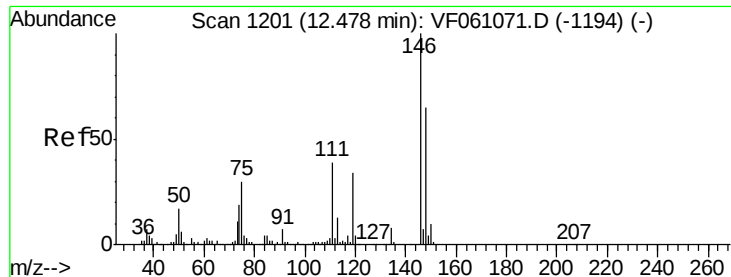
100000

50000

0

Time-->

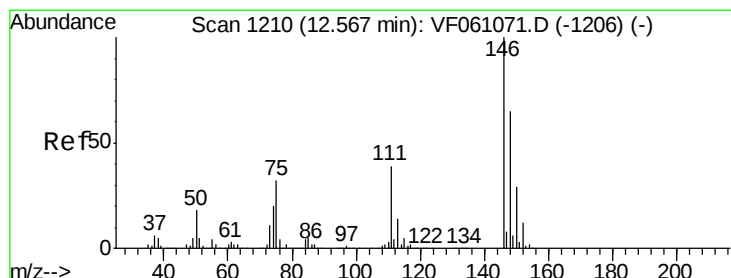
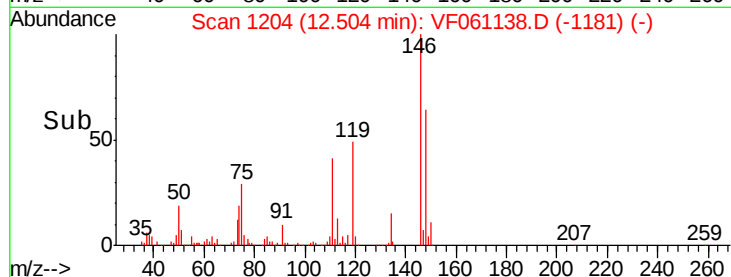
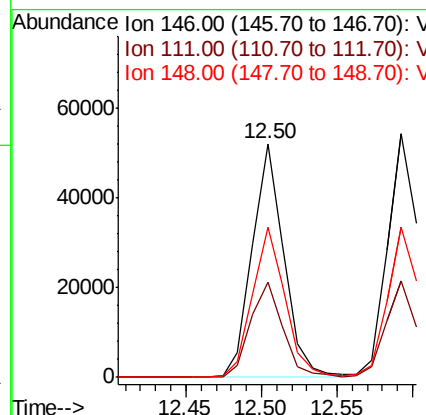
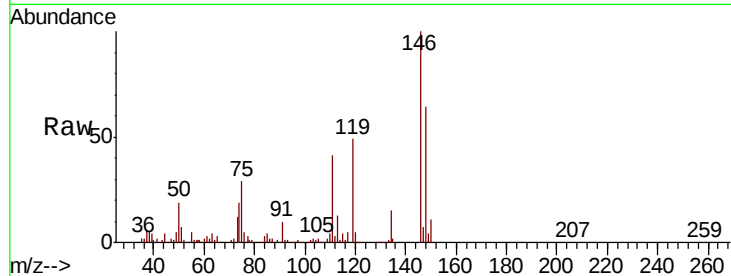




#87
 1,3-Dichlorobenzene
 Concen: 54.272 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. 0.03 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

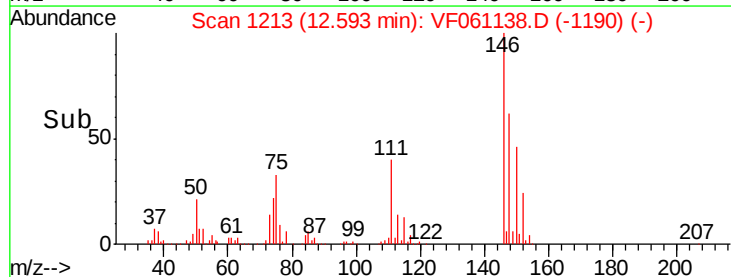
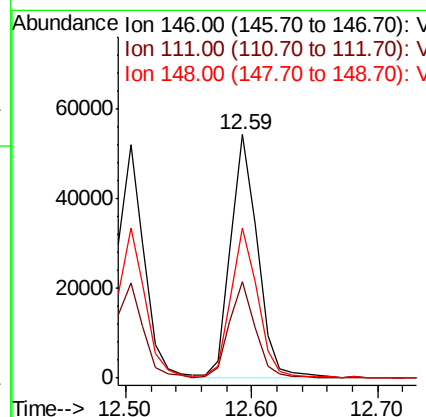
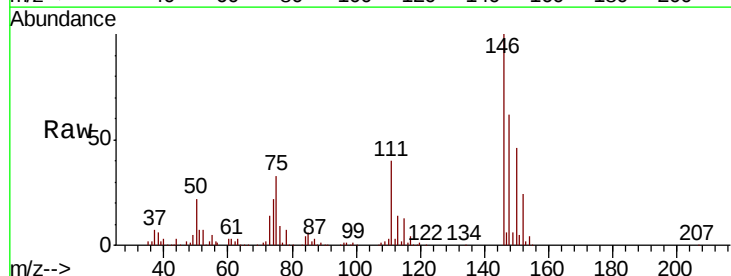
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

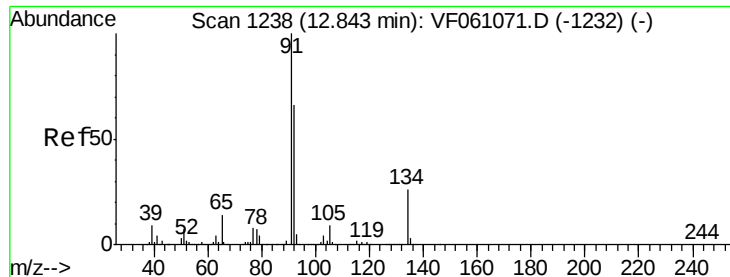
Tot Ion:146 Resp: 76324
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.3 57.9
 148 64.4 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 49.935 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. 0.03 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Tgt Ion:146 Resp: 79690
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.4 58.4
 148 61.6 32.4 97.0

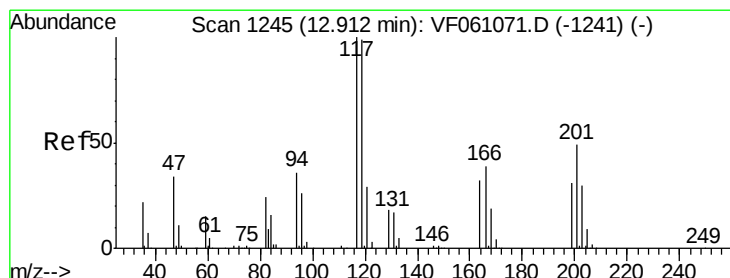
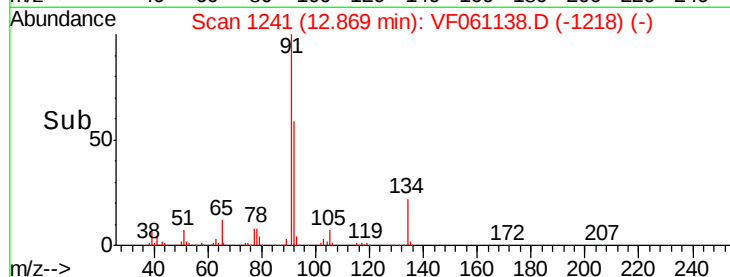
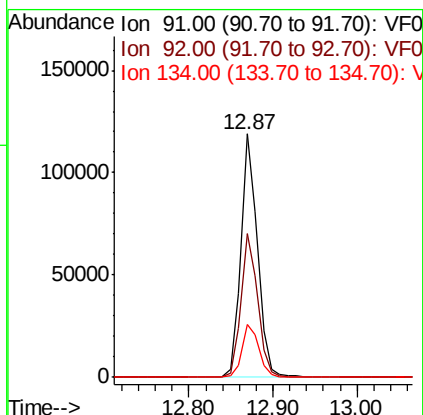
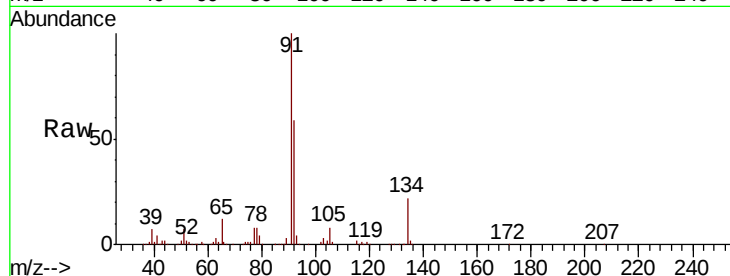




#89
n-Butylbenzene
Concen: 42.059 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

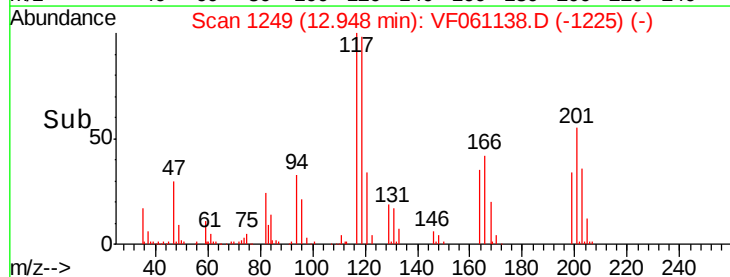
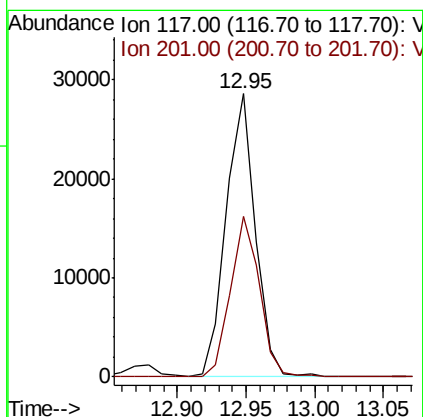
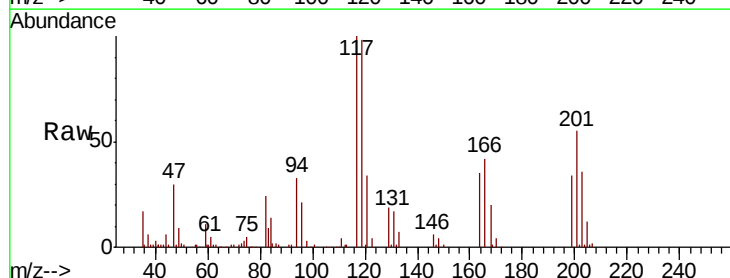
Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

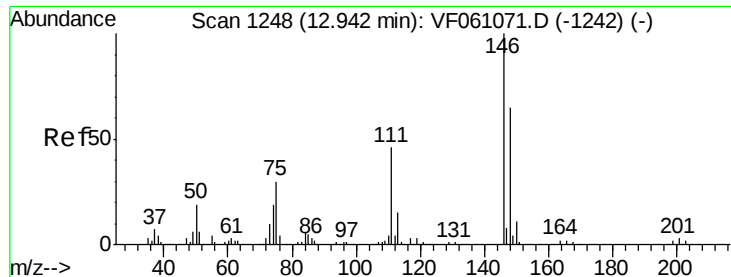
Tot Ion: 91 Resp: 163292
Ion Ratio Lower Upper
91 100
92 59.1 32.8 98.4
134 21.8 13.2 39.5



#90
Hexachloroethane
Concen: 46.095 ug/l
RT: 12.95 min Scan# 1249
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion: 117 Resp: 42201
Ion Ratio Lower Upper
117 100
201 56.8 24.9 74.8





#91

1,2-Dichlorobenzene

Concen: 47.690 ug/l

RT: 12.97 min Scan# 1251

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

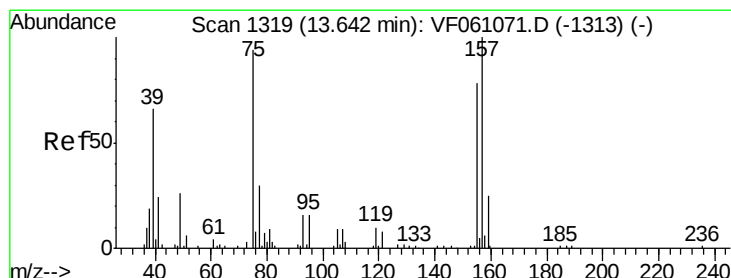
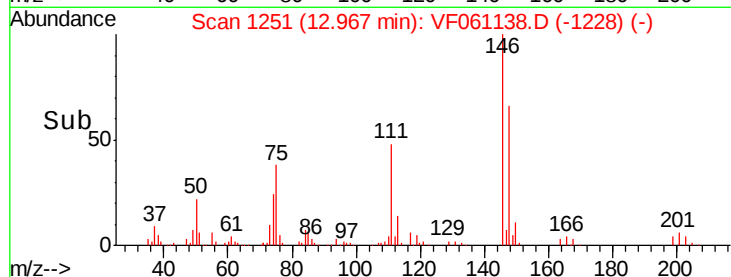
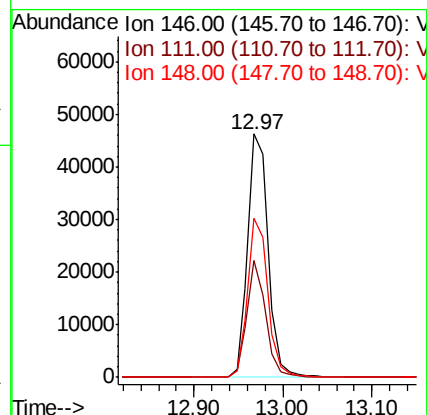
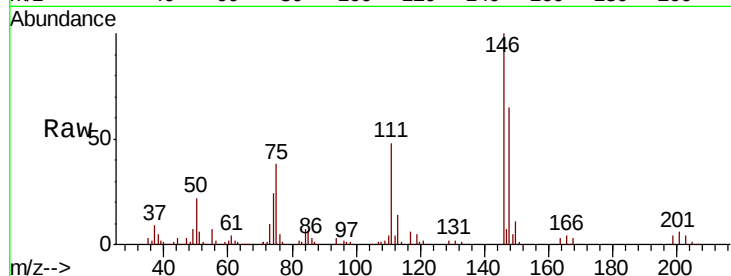
Tot Ion:146 Resp: 74097

Ion Ratio Lower Upper

146 100

111 48.2 23.2 69.5

148 65.3 32.4 97.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 67.006 ug/l

RT: 13.67 min Scan# 1322

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

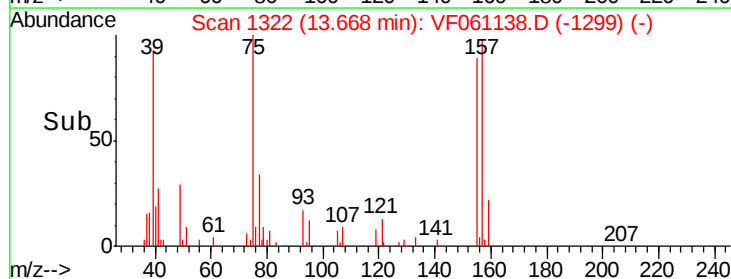
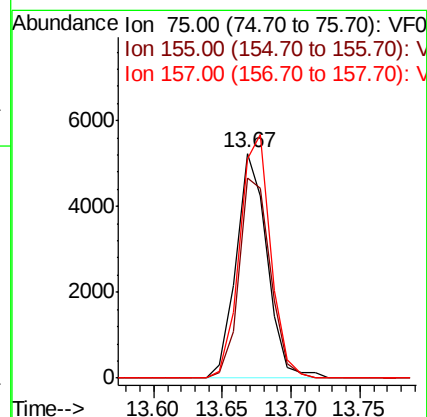
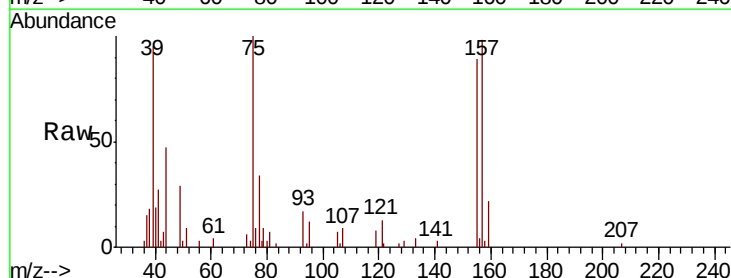
Tgt Ion: 75 Resp: 8239

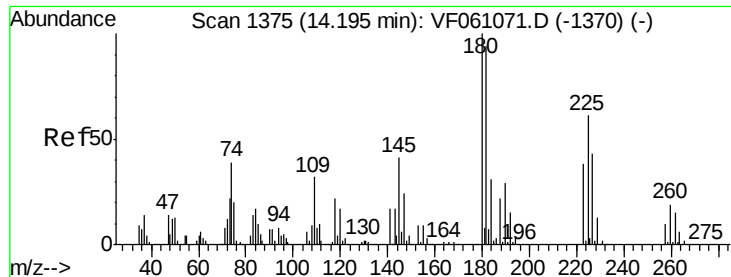
Ion Ratio Lower Upper

75 100

155 89.0 41.5 124.5

157 97.9 53.2 159.6

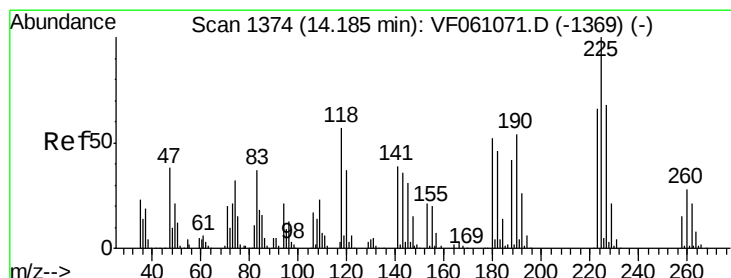
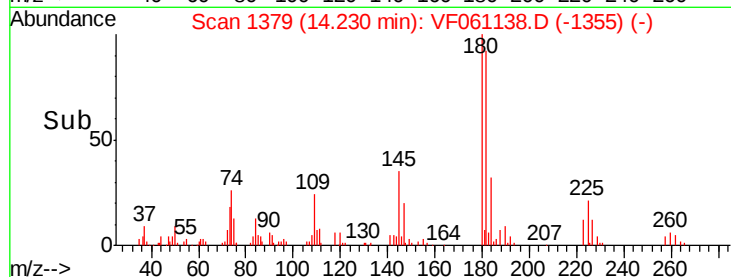
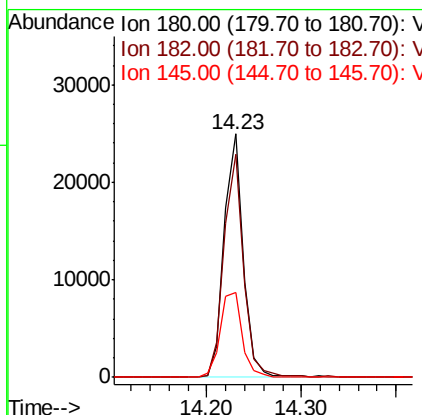
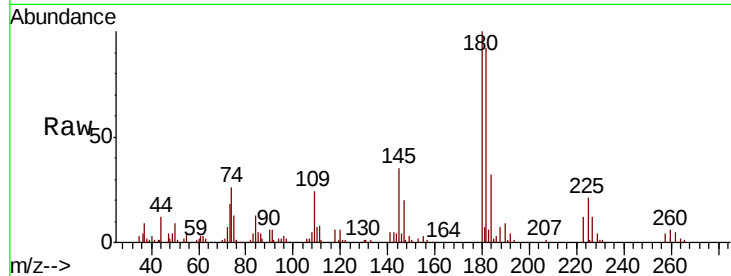




#93
 1,2,4-Trichlorobenzene
 Concen: 31.743 ug/l
 RT: 14.23 min Scan# 1379
 Delta R.T. 0.04 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

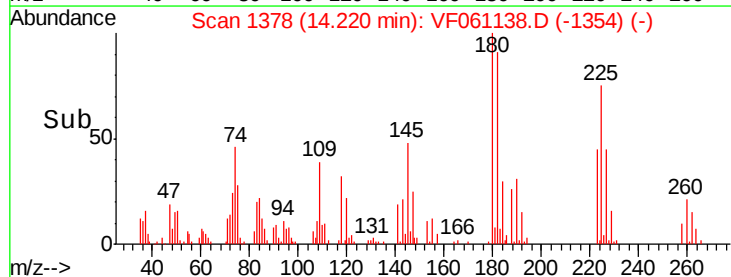
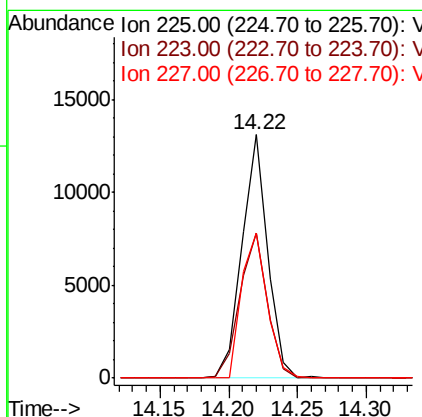
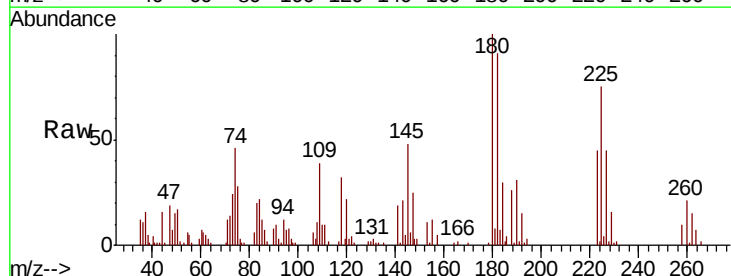
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

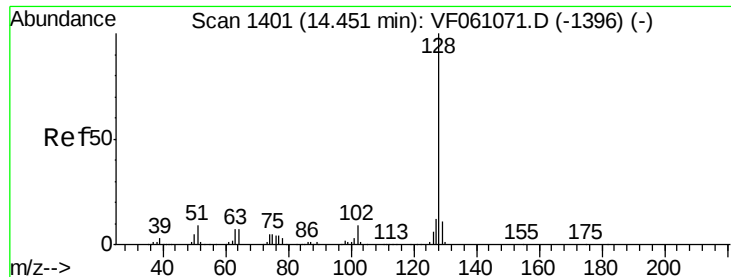
Tot Ion	180	Resp	34977
Ion Ratio	100	Lower	Upper
182	91.9	46.9	140.6
145	35.0	20.5	61.6



#94
 Hexachlorobutadiene
 Concen: 24.372 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.04 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Tgt Ion	225	Resp	17104
Ion Ratio	100	Lower	Upper
223	59.7	32.8	98.3
227	59.7	34.0	101.8





#95

Naphthalene

Concen: 41.781 ug/l

RT: 14.49 min Scan# 1405

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

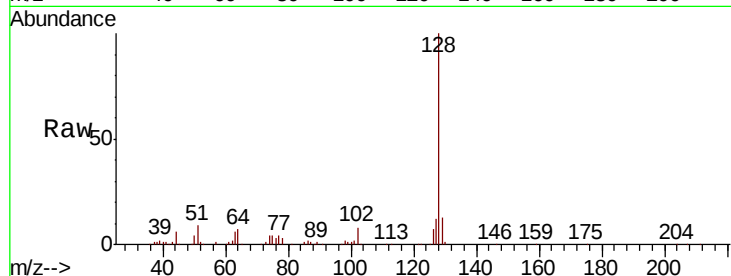
MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tot Ion:128 Resp: 84067

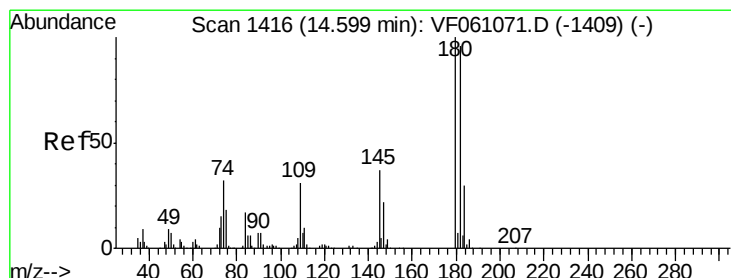
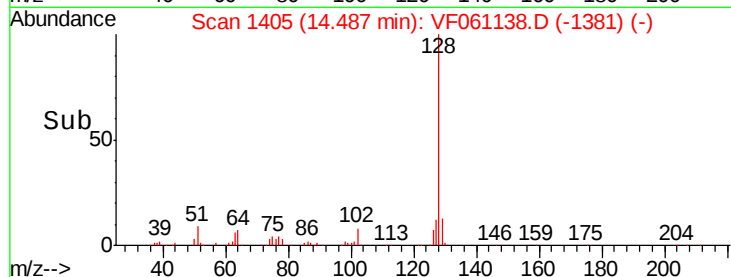
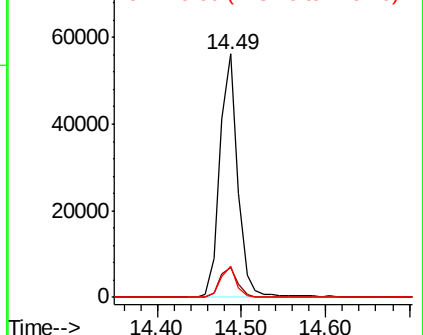
Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.4	14.2
129	12.7	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 29.914 ug/l

RT: 14.63 min Scan# 1420

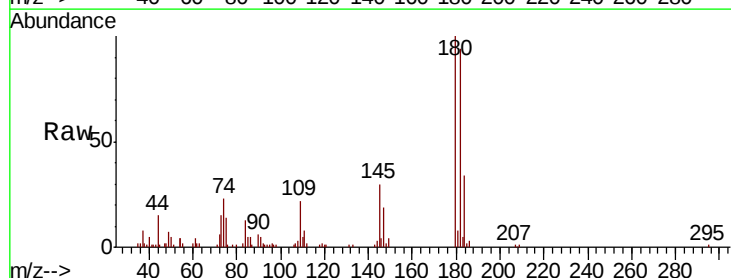
Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Tgt Ion:180 Resp: 30472

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.8
145	30.2	18.6	55.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

