

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122218\
 Data File : VF061140.D
 Acq On : 22 Dec 2018 12:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 24 02:54:47 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	4.90	168	178973	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.63	114	323360	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.80	117	297922	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	136222	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	125926	54.71	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.42%	
35) Dibromofluoromethane	4.14	113	136612	52.74	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.48%	
50) Toluene-d8	7.58	98	399863	54.47	ug/l	0.02
Spiked Amount	50.000		Recovery	=	108.94%	
62) 4-Bromofluorobenzene	11.43	95	167240	49.42	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	203619	51.180	ug/l	97
3) Chloromethane	1.11	50	136091	59.717	ug/l	94
4) Vinyl Chloride	1.14	62	123569	58.451	ug/l #	86
5) Bromomethane	1.35	94	80977	55.225	ug/l	91
6) Chloroethane	1.40	64	55782	57.264	ug/l	93
7) Trichlorofluoromethane	1.49	101	153235	37.962	ug/l	99
8) Diethyl Ether	1.63	74	33627	60.835	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.85	101	112727	53.861	ug/l	97
10) Methyl Iodide	1.93	142	147263	44.638	ug/l	93
11) Tert butyl alcohol	2.59	59	26952	290.146	ug/l	98
12) 1,1-Dichloroethene	1.81	96	89183	56.529	ug/l	91
13) Acrolein	2.01	56	9820	146.299	ug/l #	81
14) Allyl chloride	2.11	41	102092	62.183	ug/l	86
15) Acrylonitrile	2.96	53	64376	299.701	ug/l	94
16) Acetone	2.25	43	84327	183.250	ug/l	98
17) Carbon Disulfide	1.85	76	195284	40.960	ug/l	98
18) Methyl Acetate	2.35	43	58542	61.490	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	201316	57.489	ug/l	100
20) Methylene Chloride	2.19	84	28452	16.323	ug/l	87
21) trans-1,2-Dichloroethene	2.32	96	72633	43.045	ug/l	96
22) Diisopropyl ether	2.82	45	317201	58.002	ug/l	97
23) Vinyl Acetate	3.21	43	720065	285.411	ug/l	98
24) 1,1-Dichloroethane	2.89	63	179933	55.530	ug/l	98
25) 2-Butanone	4.35	43	197905	265.176	ug/l	98
26) 2,2-Dichloropropane	3.62	77	77902	41.894	ug/l	98
27) cis-1,2-Dichloroethene	3.50	96	150917	58.422	ug/l	87
28) Bromochloromethane	3.74	49	93908	57.118	ug/l	95
29) Tetrahydrofuran	4.10	42	98538	324.396	ug/l	97
30) Chloroform	3.88	83	266781	54.910	ug/l	96
31) Cyclohexane	3.71	56	106691	31.731	ug/l	97
32) 1,1,1-Trichloroethane	4.12	97	149914	51.479	ug/l	94
36) 1,1-Dichloropropene	4.31	75	198923	50.964	ug/l	98
37) Ethyl Acetate	4.14	43	86588	58.875	ug/l #	88
38) Carbon Tetrachloride	4.02	117	150580	50.659	ug/l	93

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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)
39) Methylcyclohexane	5.48	83	210744	60.184	ug/l	94
40) Benzene	4.66	78	448278	53.406	ug/l	93
41) Methacrylonitrile	4.77	41	45368	55.037	ug/l	93
42) 1,2-Dichloroethane	4.97	62	165128	51.786	ug/l	99
43) Isopropyl Acetate	6.99	43	110229	58.488	ug/l #	99
44) Trichloroethene	5.53	130	138455	52.319	ug/l	100
45) 1,2-Dichloropropane	6.26	63	124650	54.583	ug/l	99
46) Dibromomethane	6.11	93	80232	54.168	ug/l	92
47) Bromodichloromethane	6.41	83	198510	51.582	ug/l	96
48) Methyl methacrylate	6.74	41	75920	57.704	ug/l	97
49) 1,4-Dioxane	6.73	88	11670	1222.425	ug/l #	76
51) 4-Methyl-2-Pentanone	8.28	43	347488	268.842	ug/l	97
52) Toluene	7.65	92	292623	52.665	ug/l	94
53) t-1,3-Dichloropropene	8.30	75	144974	46.697	ug/l	100
54) cis-1,3-Dichloropropene	7.32	75	189218	48.561	ug/l	98
55) 1,1,2-Trichloroethane	8.52	97	87958	52.806	ug/l	95
56) Ethyl methacrylate	8.65	69	105861	58.733	ug/l	95
57) 1,3-Dichloropropane	8.87	76	165560	54.956	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.31	63	95003	274.445	ug/l	96
59) 2-Hexanone	9.51	43	241029	257.859	ug/l	99
60) Dibromochloromethane	8.74	129	128483	53.810	ug/l	99
61) 1,2-Dibromoethane	9.01	107	98423	55.327	ug/l	97
64) Tetrachloroethene	8.18	164	142136	62.020	ug/l	93
65) Chlorobenzene	9.82	112	334489	54.347	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	133937	53.252	ug/l	95
67) Ethyl Benzene	9.93	91	587775	52.421	ug/l	98
68) m/p-Xylenes	10.16	106	398770	101.057	ug/l	97
69) o-Xylene	10.74	106	233489	53.352	ug/l	93
70) Styrene	10.82	104	298696	56.662	ug/l	99
71) Bromoform	10.80	173	63023	54.161	ug/l #	100
73) Isopropylbenzene	11.14	105	667117	56.829	ug/l	98
74) N-amyl acetate	11.39	43	155437	59.640	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	118087	60.611	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	80454	55.489	ug/l	100
77) Bromobenzene	11.52	156	136944	54.192	ug/l	86
78) n-propylbenzene	11.61	91	757525	57.963	ug/l	99
79) 2-Chlorotoluene	11.73	91	450269	55.914	ug/l	95
80) 1,3,5-Trimethylbenzene	11.84	105	515667	53.348	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	44527	71.468	ug/l	93
82) 4-Chlorotoluene	11.92	91	432757	51.948	ug/l	98
83) tert-Butylbenzene	12.15	119	534602	53.747	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	516003	53.532	ug/l	97
85) sec-Butylbenzene	12.33	105	716682	55.212	ug/l	98
86) p-Isopropyltoluene	12.47	119	553162	51.340	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	237778	58.581	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	250228	53.926	ug/l	99
89) n-Butylbenzene	12.86	91	598490	56.830	ug/l	97
90) Hexachloroethane	12.94	117	154253	57.947	ug/l	82
91) 1,2-Dichlorobenzene	12.96	146	245375	54.315	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	22777	63.709	ug/l	91

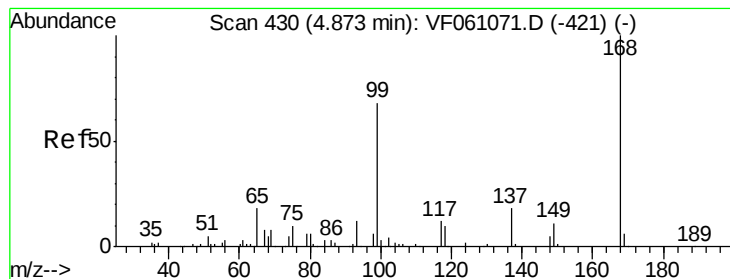
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	168070	52.459	ug/l	95
94) Hexachlorobutadiene	14.21	225	109324	53.575	ug/l	99
95) Naphthalene	14.48	128	348315	59.537	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	160503	54.190	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

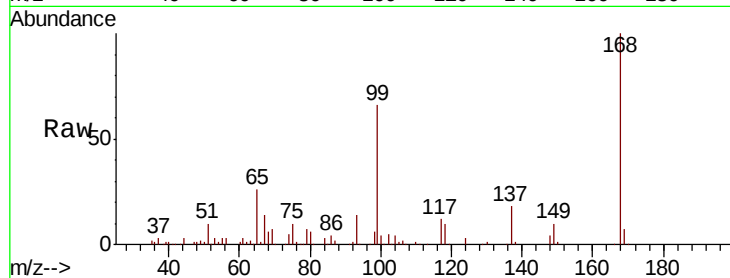
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 178973

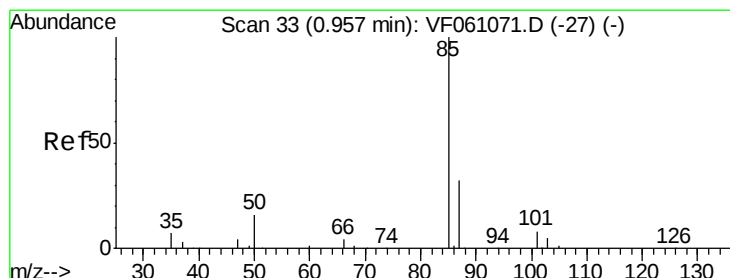
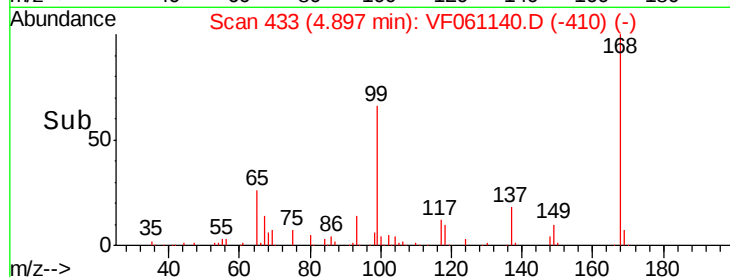
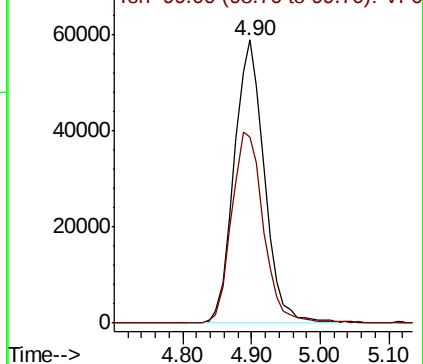
Ion Ratio Lower Upper

168 100

99 65.9 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 51.180 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061140.D

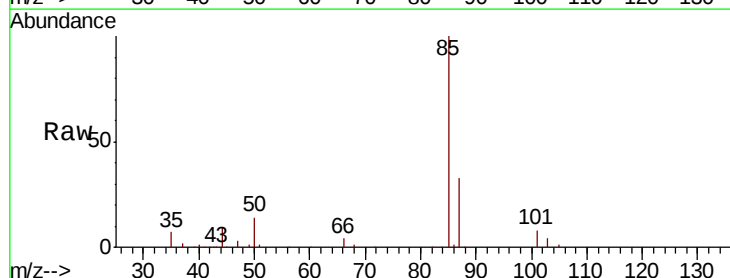
Acq: 22 Dec 2018 12:49

Tgt Ion: 85 Resp: 203619

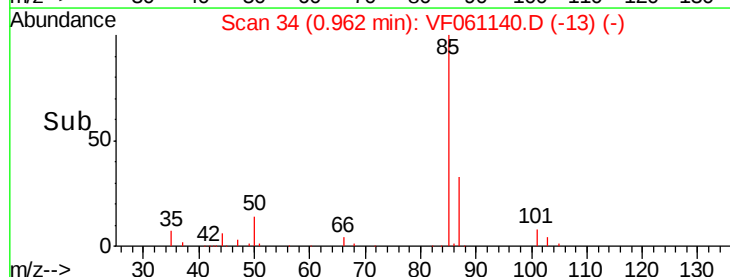
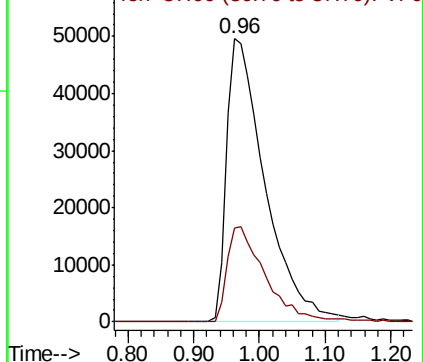
Ion Ratio Lower Upper

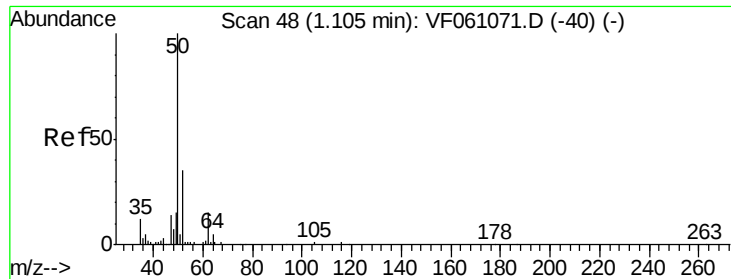
85 100

87 33.2 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 59.717 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

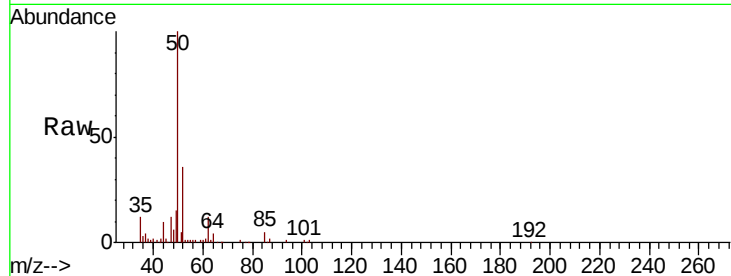
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 136091

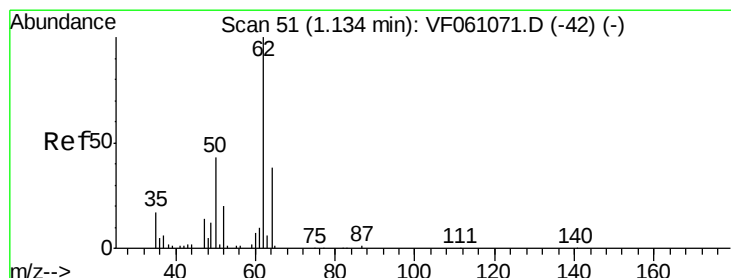
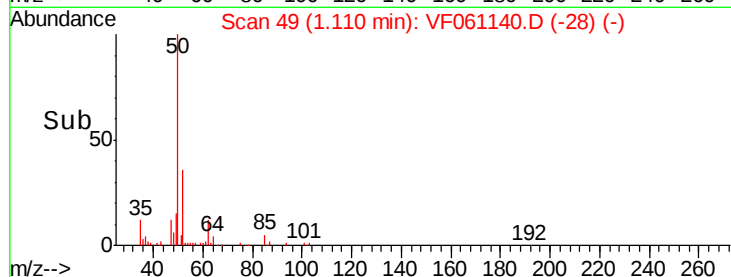
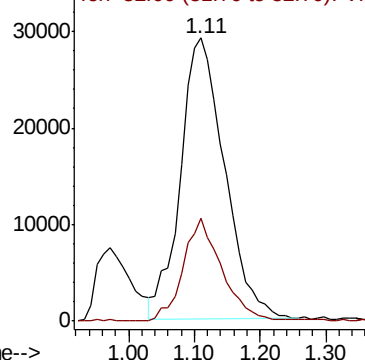
Ion Ratio Lower Upper

50 100

52 36.5 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 58.451 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061140.D

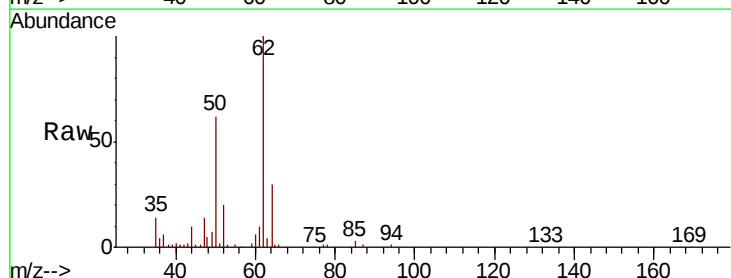
Acq: 22 Dec 2018 12:49

Tgt Ion: 62 Resp: 123569

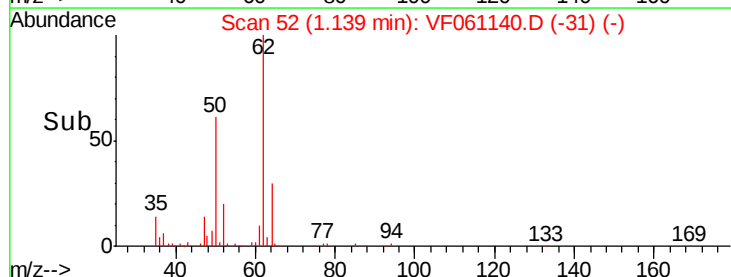
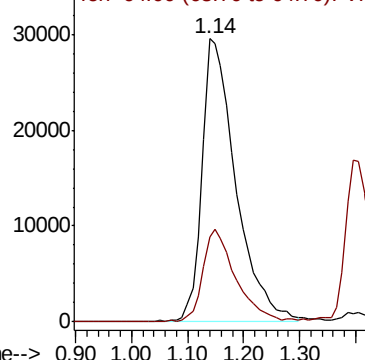
Ion Ratio Lower Upper

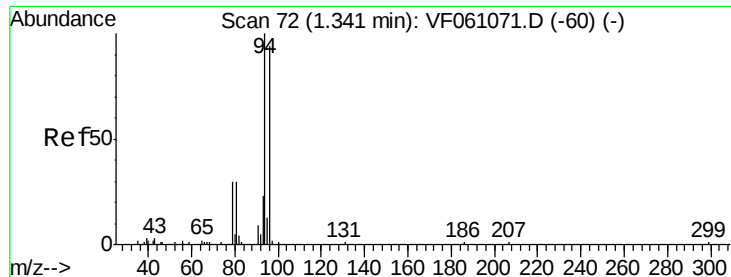
62 100

64 29.8 30.4 45.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 55.225 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

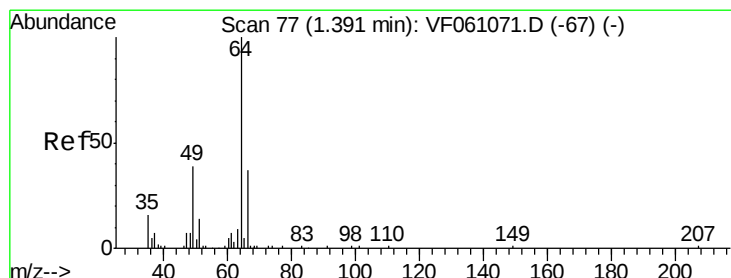
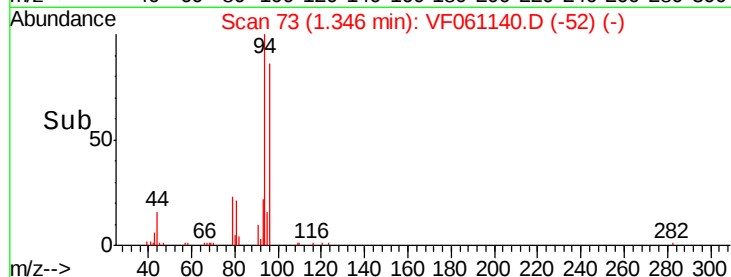
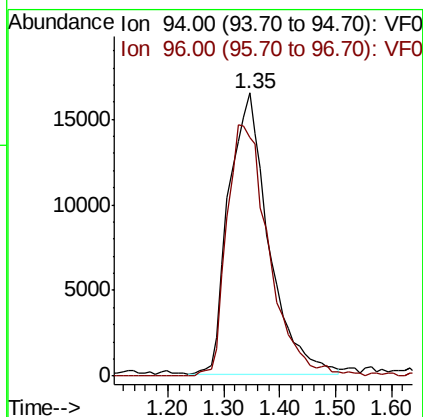
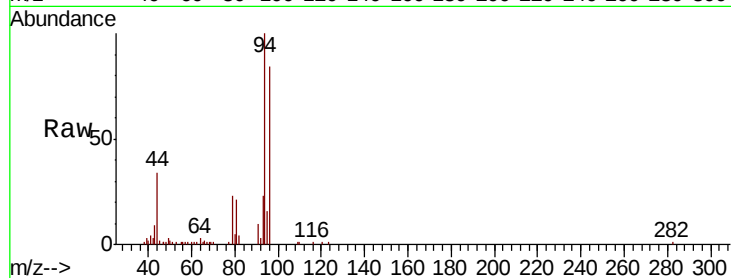
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 80977

Ion Ratio Lower Upper

94 100

96 84.1 74.4 111.6



#6

Chloroethane

Concen: 57.264 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.00 min

Lab File: VF061140.D

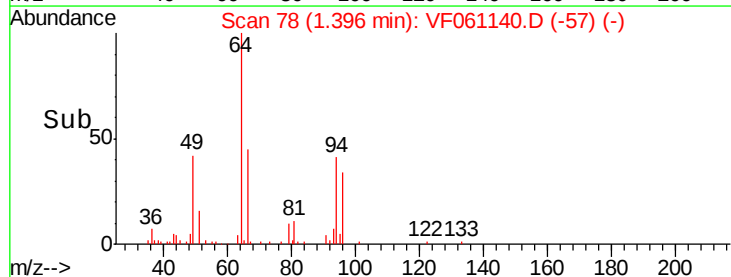
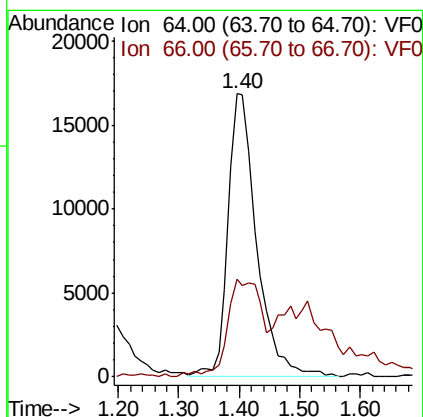
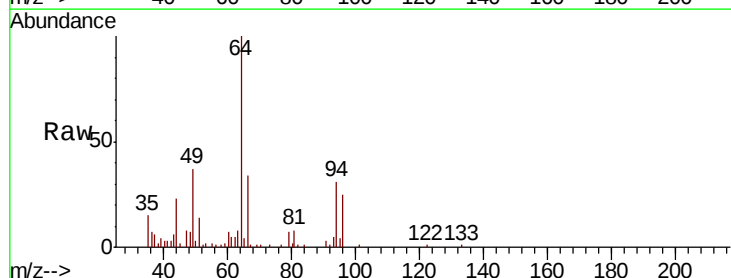
Acq: 22 Dec 2018 12:49

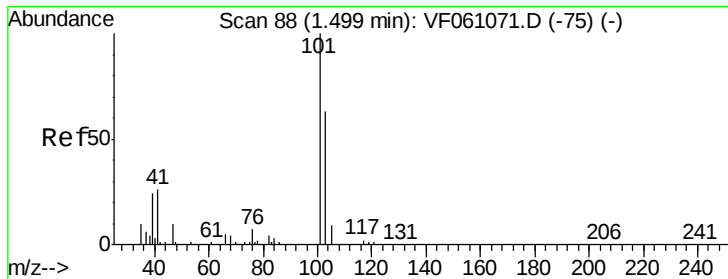
Tgt Ion: 64 Resp: 55782

Ion Ratio Lower Upper

64 100

66 34.5 30.9 46.3



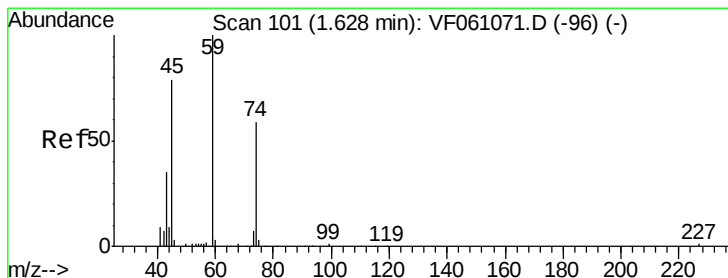
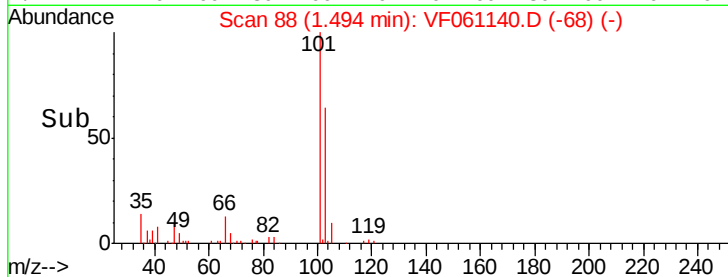
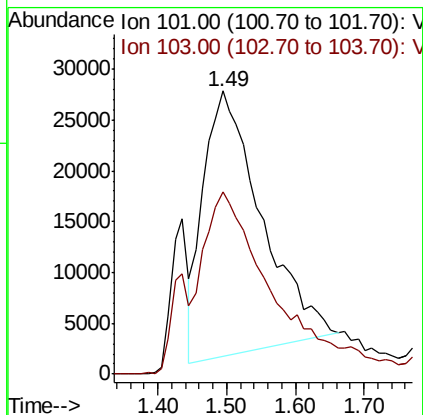
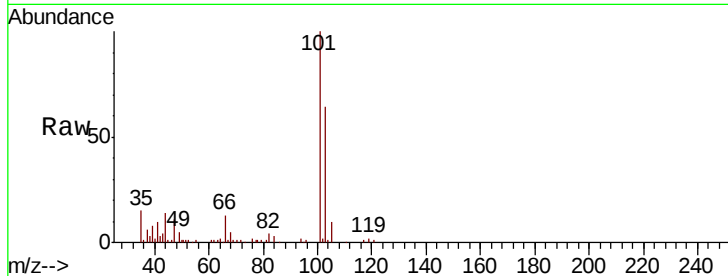


#7

Trichlorofluoromethane
 Concen: 37.962 ug/l
 RT: 1.49 min Scan# 88
 Delta R.T. -0.01 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Instrument :
 MSVOA_F
 ClientSampleId :

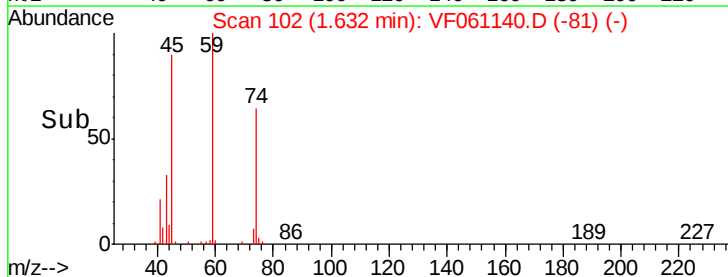
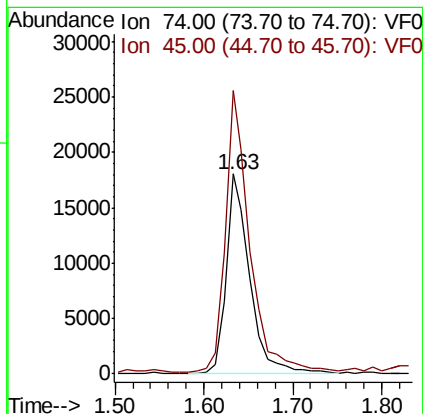
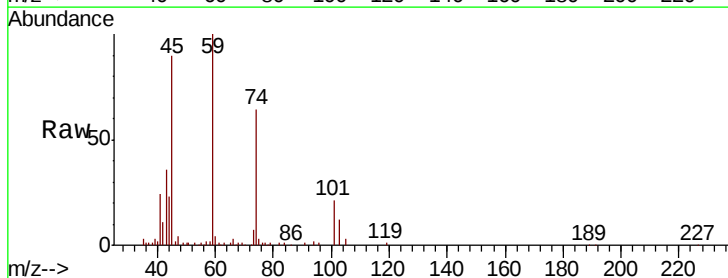
Tot Ion:101 Resp: 153235
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.7 76.1

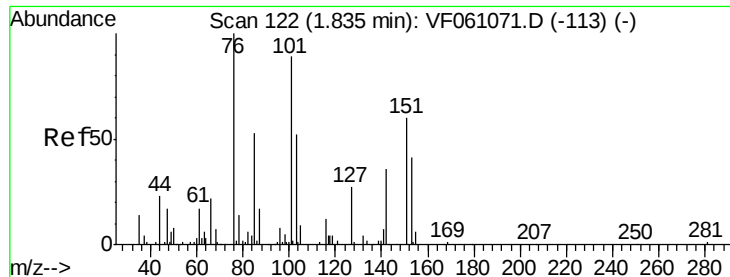


#8

Diethyl Ether
 Concen: 60.835 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Tgt Ion: 74 Resp: 33627
 Ion Ratio Lower Upper
 74 100
 45 141.6 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.861 ug/l

RT: 1.85 min Scan# 124

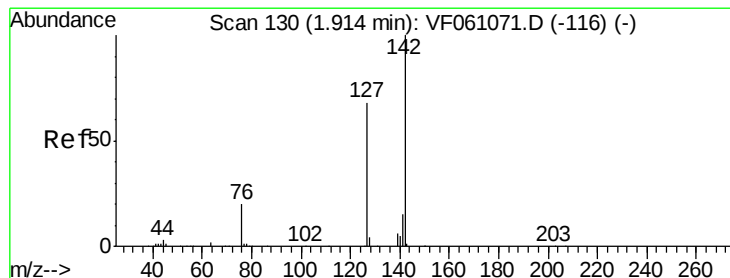
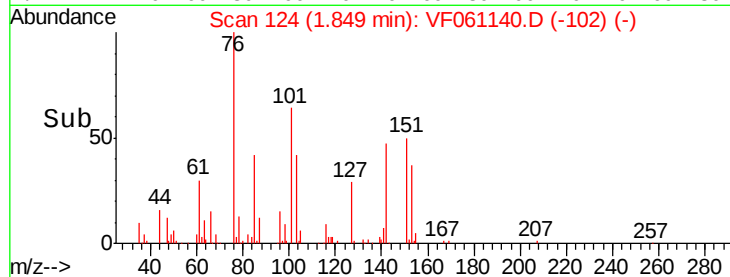
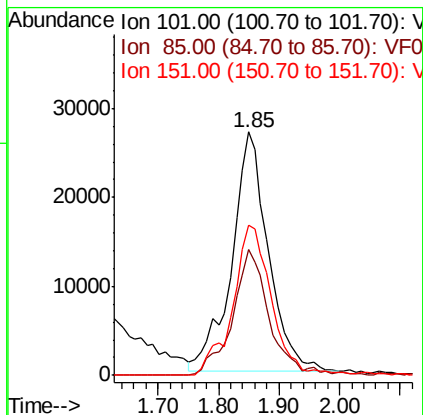
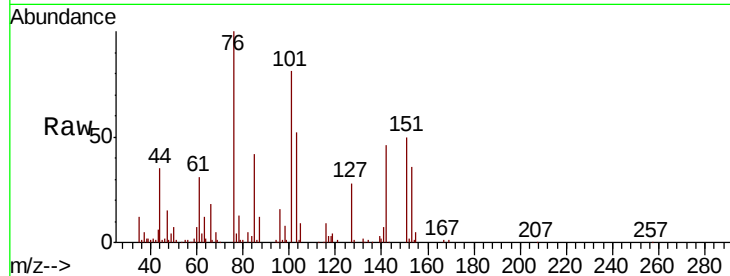
Delta R.T. 0.01 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:101	Resp:	112727
Ion Ratio	Lower	Upper
101	100	
85	52.0	44.5 66.7
151	61.6	49.9 74.9



#10

Methyl Iodide

Concen: 44.638 ug/l

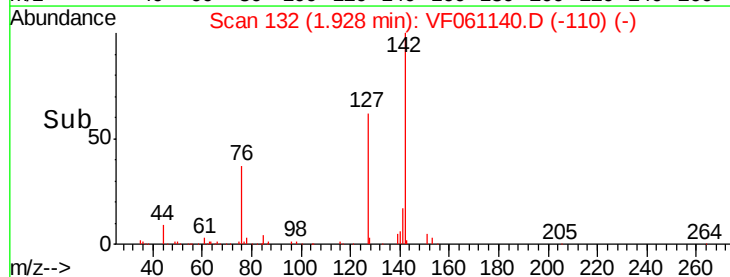
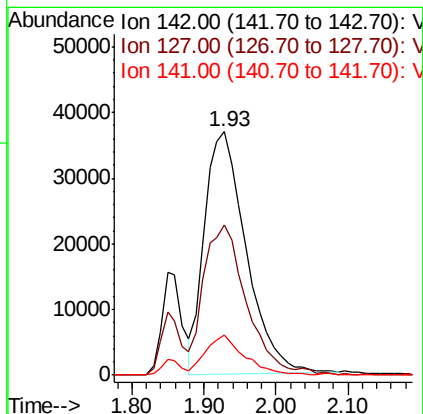
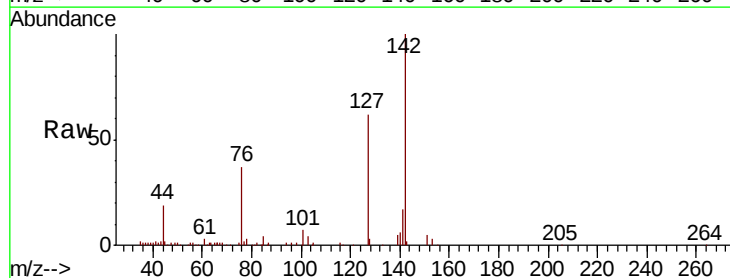
RT: 1.93 min Scan# 132

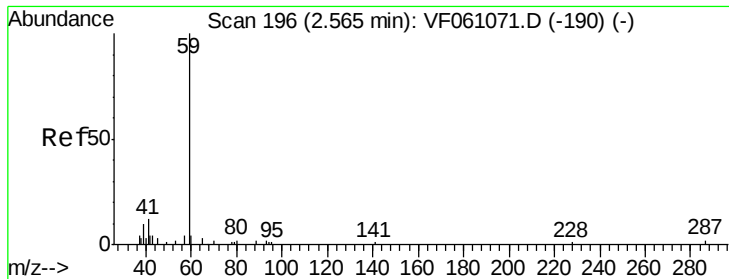
Delta R.T. 0.01 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Tgt Ion:142	Resp:	147263
Ion Ratio	Lower	Upper
142	100	
127	61.7	54.7 82.1
141	16.6	12.2 18.2



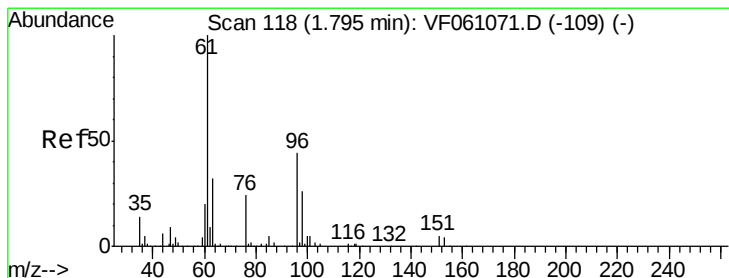
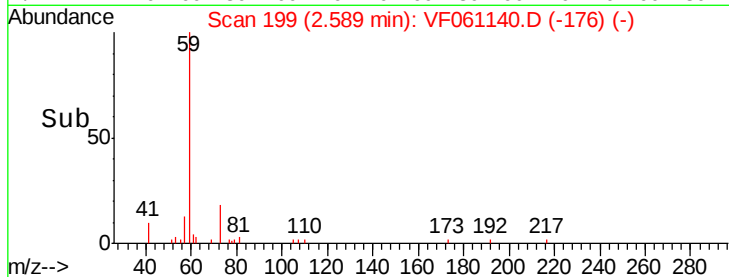
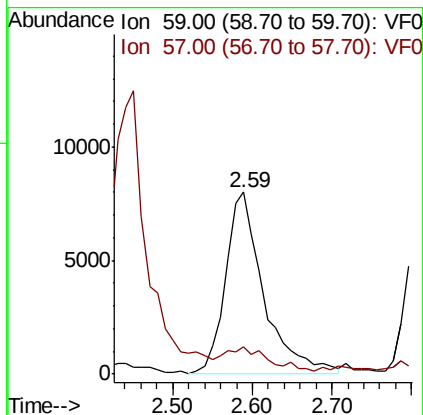
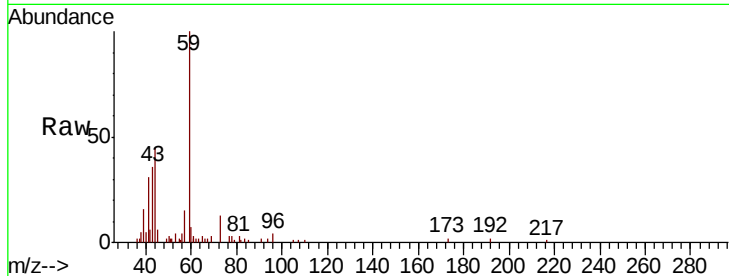


#11

Tert butyl alcohol
 Concen: 290.146 ug/l
 RT: 2.59 min Scan# 199
 Delta R.T. 0.02 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Instrument :
 MSVOA_F
 ClientSampled :

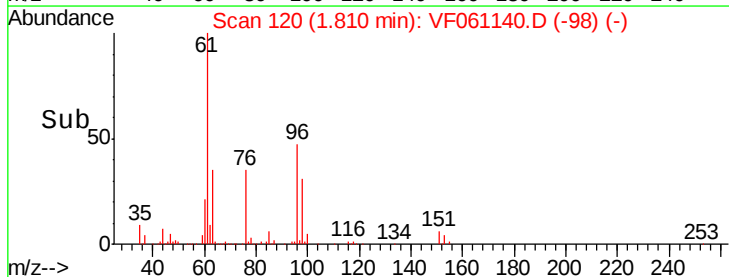
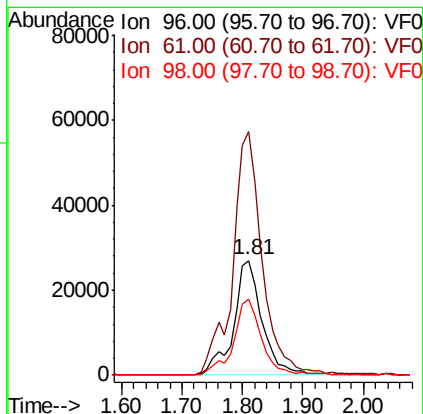
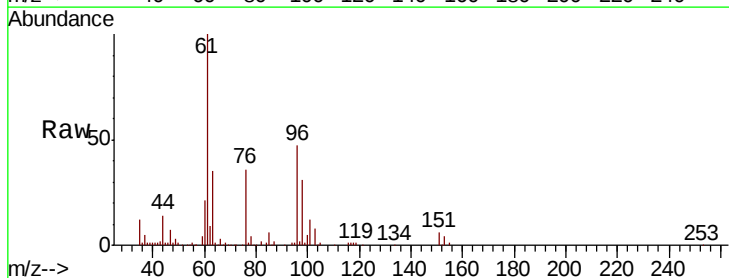
Tot Ion: 59 Resp: 26952
 Ion Ratio Lower Upper
 59 100
 57 15.1 11.5 17.3

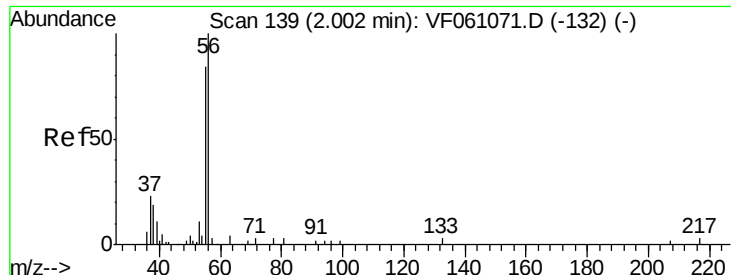


#12

1,1-Dichloroethene
 Concen: 56.529 ug/l
 RT: 1.81 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Tgt Ion: 96 Resp: 89183
 Ion Ratio Lower Upper
 96 100
 61 213.0 182.0 273.0
 98 66.7 46.5 69.7





#13

Acrolein

Concen: 146.299 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :

MSVOA_F

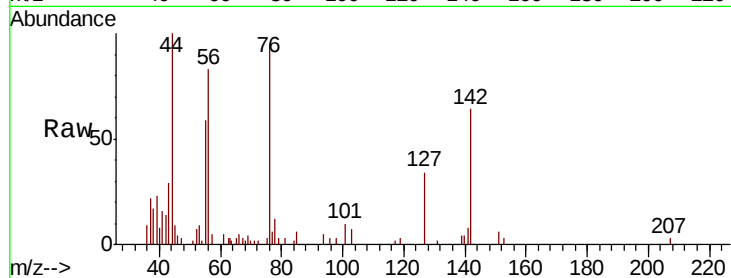
ClientSampleId :

Tot Ion: 56 Resp: 9820

Ion Ratio Lower Upper

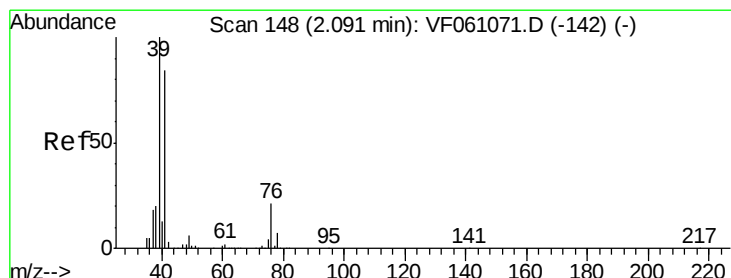
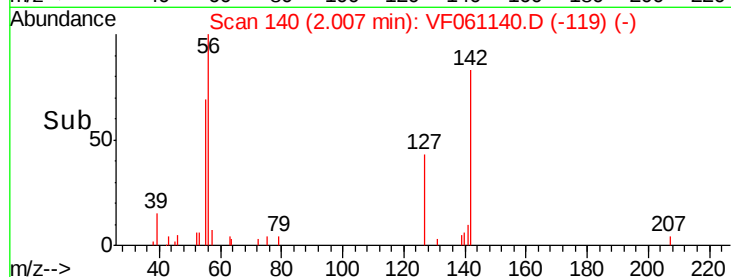
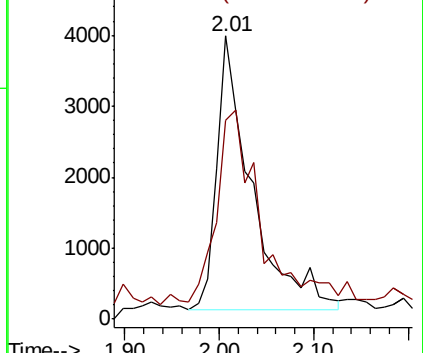
56 100

55 70.1 70.2 105.2#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 62.183 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.01 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

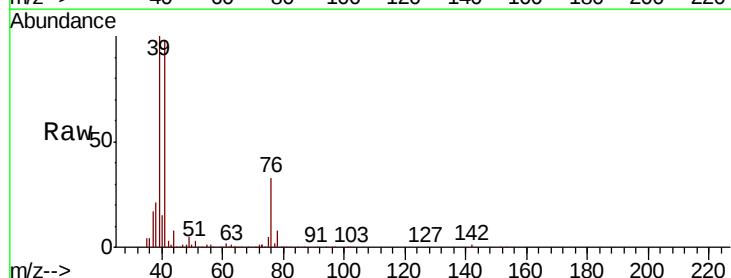
Tgt Ion: 41 Resp: 102092

Ion Ratio Lower Upper

41 100

39 101.7 96.4 144.6

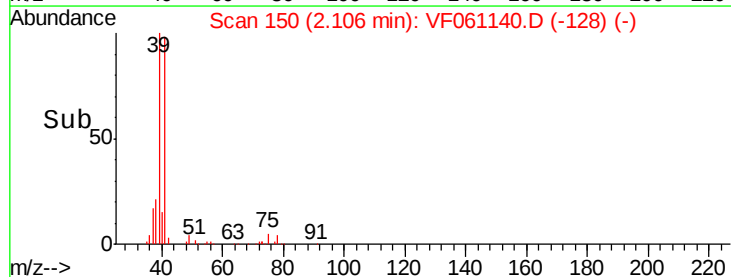
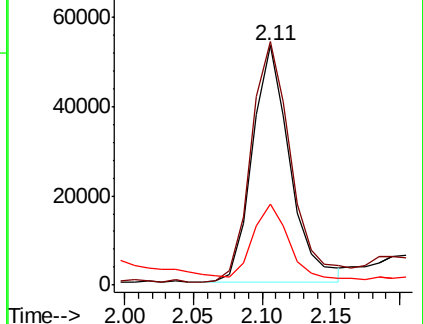
76 33.9 25.4 38.0

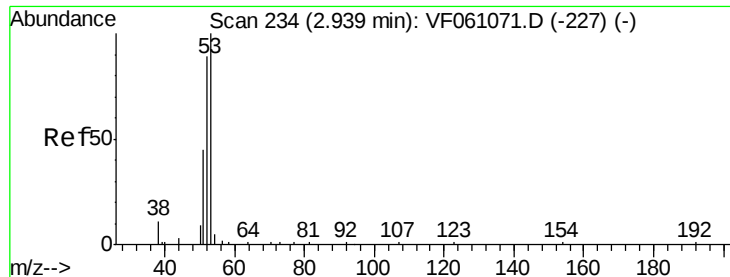


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 299.701 ug/l

RT: 2.96 min Scan# 237

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :

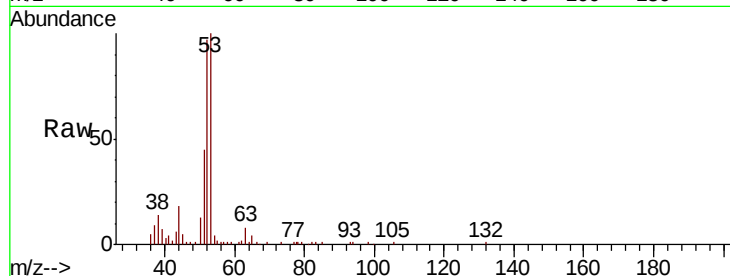
Tot Ion: 53 Resp: 64376

Ion Ratio Lower Upper

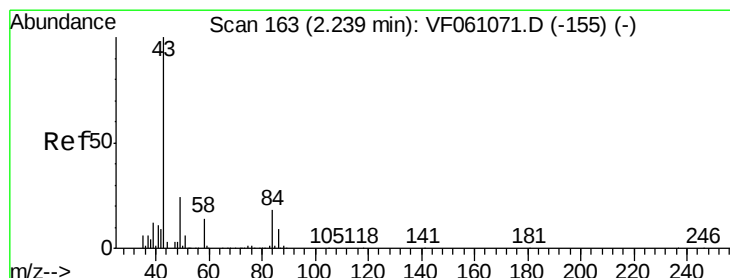
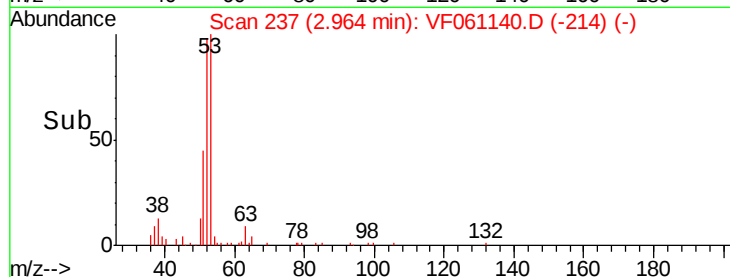
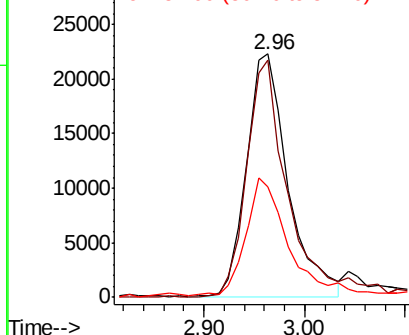
53 100

52 97.3 71.3 106.9

51 45.4 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: 183.250 ug/l

RT: 2.25 min Scan# 165

Delta R.T. 0.01 min

Lab File: VF061140.D

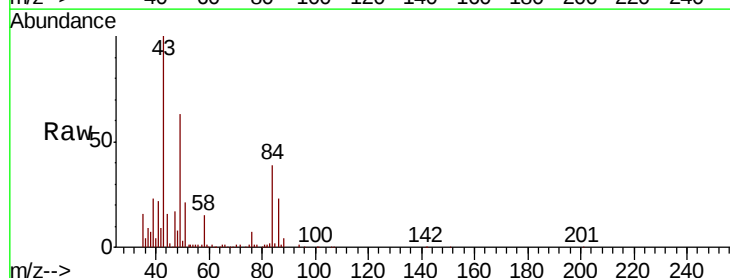
Acq: 22 Dec 2018 12:49

Tgt Ion: 43 Resp: 84327

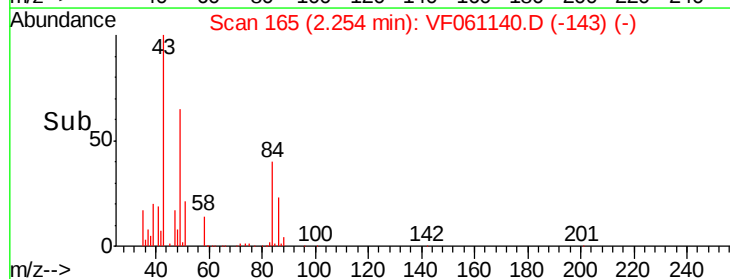
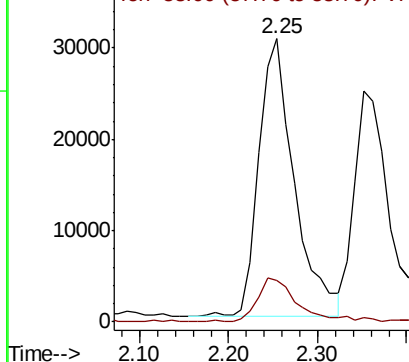
Ion Ratio Lower Upper

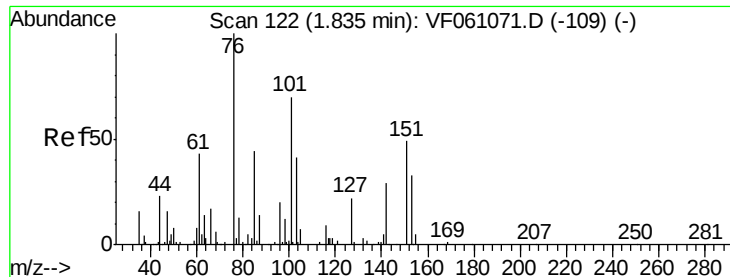
43 100

58 14.5 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

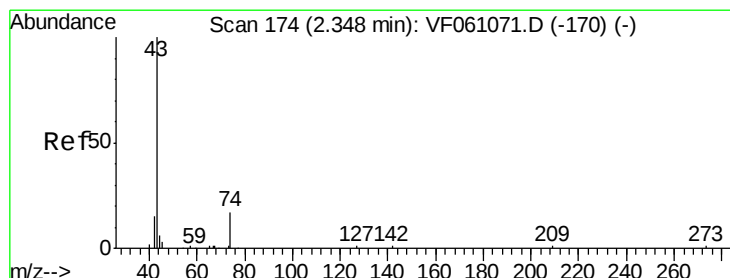
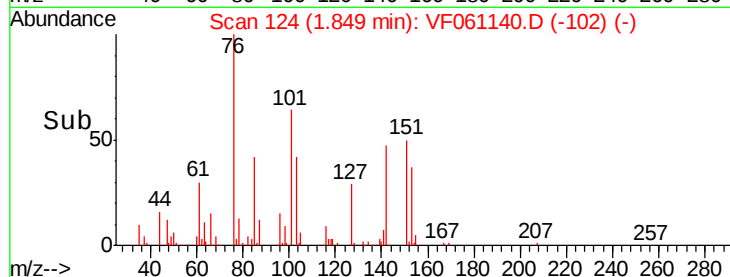
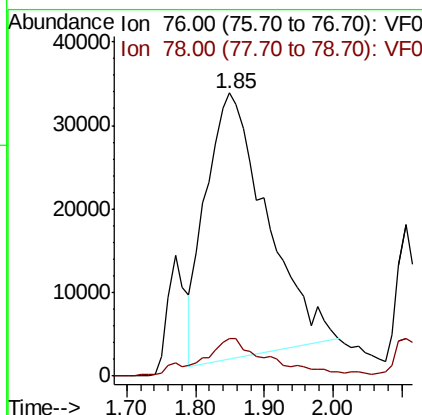
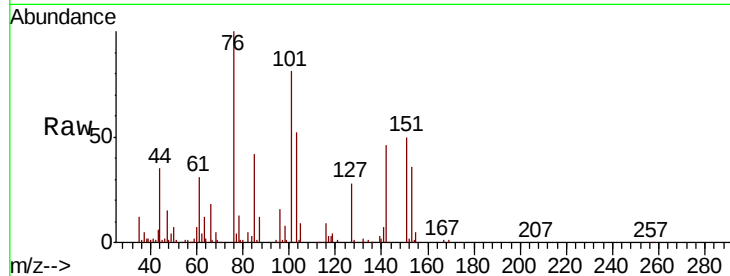




#17
Carbon Disulfide
Concen: 40.960 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.01 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

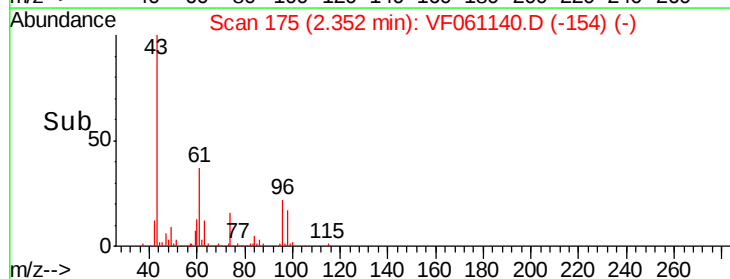
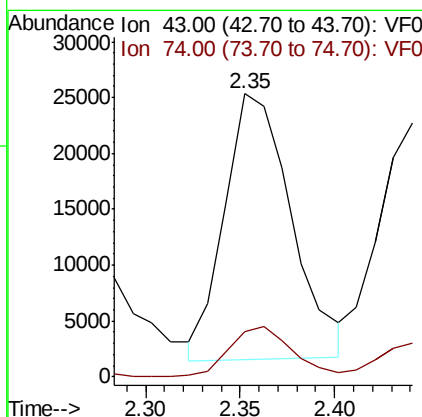
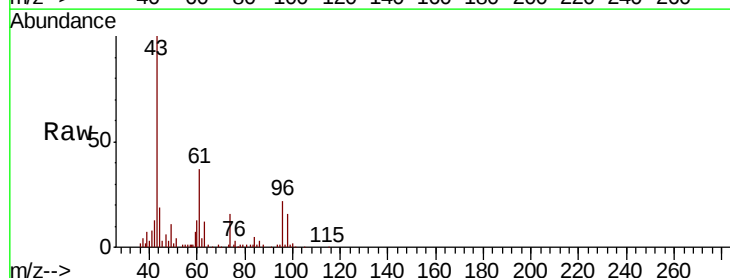
Instrument :
MSVOA_F
ClientSampleId :

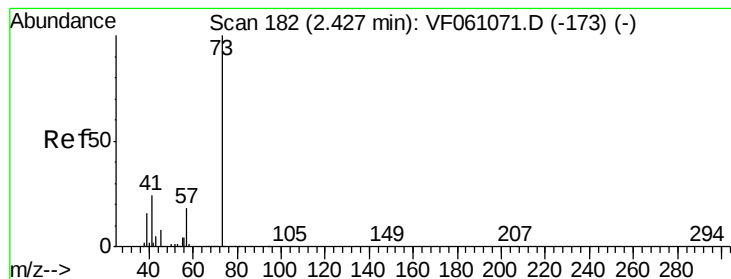
Tot Ion: 76 Resp: 195284
Ion Ratio Lower Upper
76 100
78 13.5 10.2 15.4



#18
Methyl Acetate
Concen: 61.490 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Tgt Ion: 43 Resp: 58542
Ion Ratio Lower Upper
43 100
74 16.0 11.0 16.6



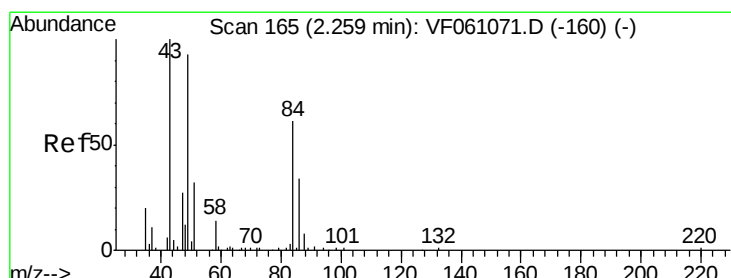
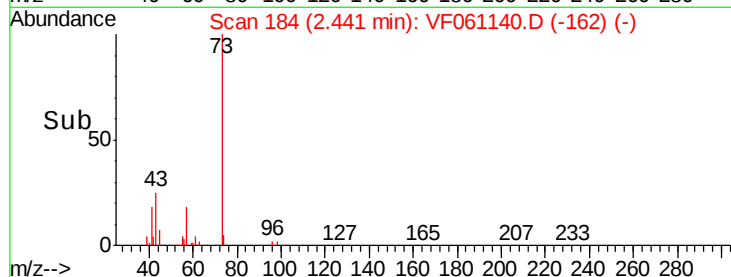
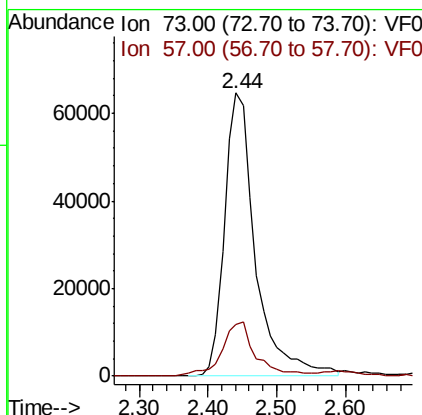
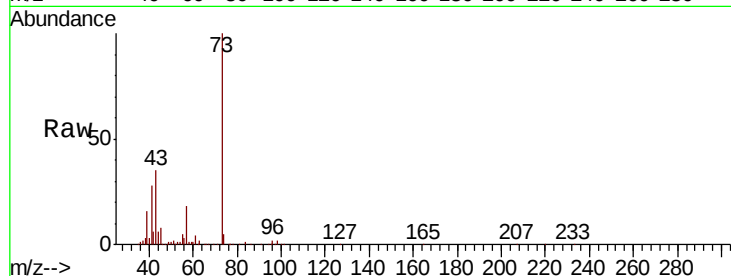


#19

Methyl tert-butyl Ether
 Concen: 57.489 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Instrument :
 MSVOA_F
 ClientSampleId :

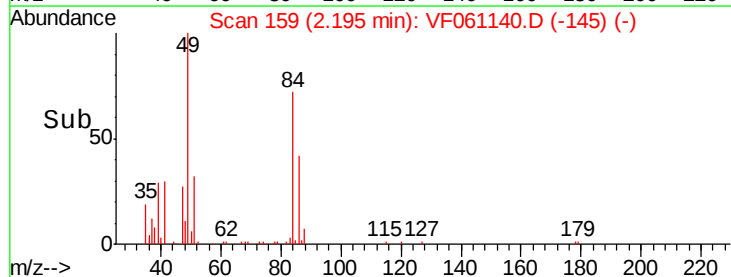
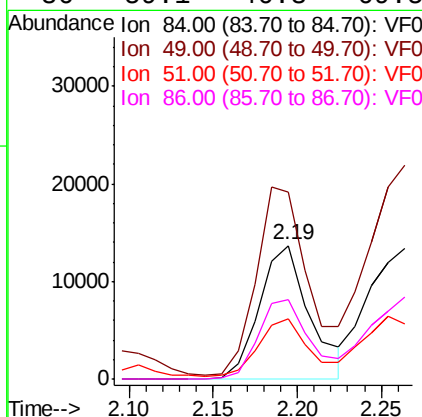
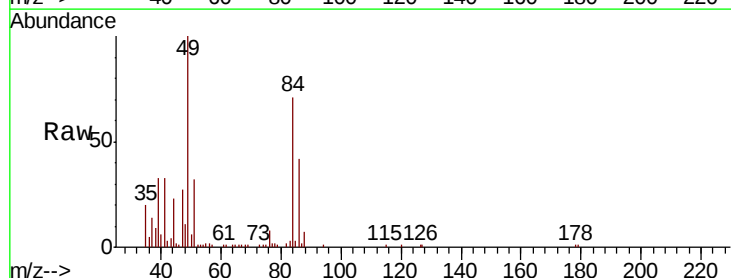
Tot Ion: 73 Resp: 201316
 Ion Ratio Lower Upper
 73 100
 57 18.1 14.5 21.7

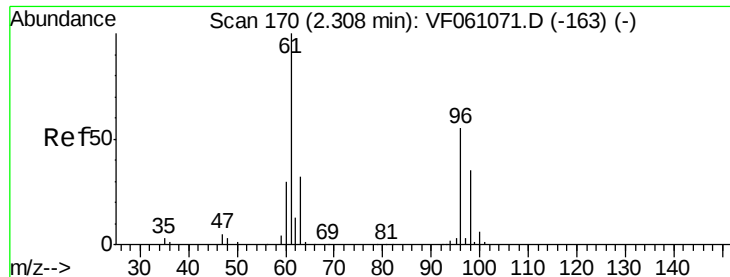


#20

Methylene Chloride
 Concen: 16.323 ug/l
 RT: 2.19 min Scan# 159
 Delta R.T. -0.06 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Tgt Ion: 84 Resp: 28452
 Ion Ratio Lower Upper
 84 100
 49 140.4 129.4 194.2
 51 45.1 44.0 66.0
 86 59.1 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 43.045 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :

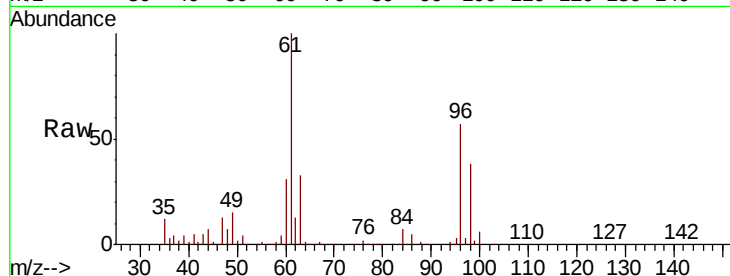
Tot Ion: 96 Resp: 72633

Ion Ratio Lower Upper

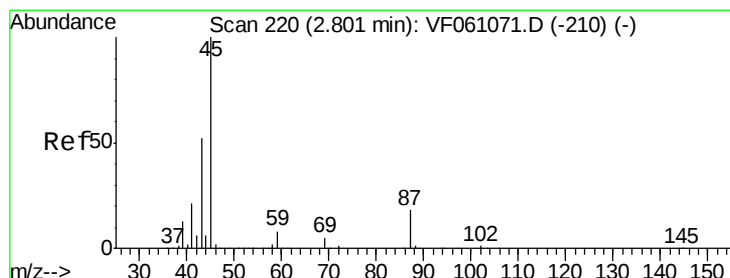
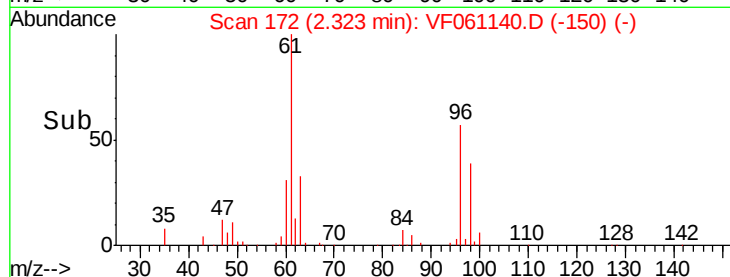
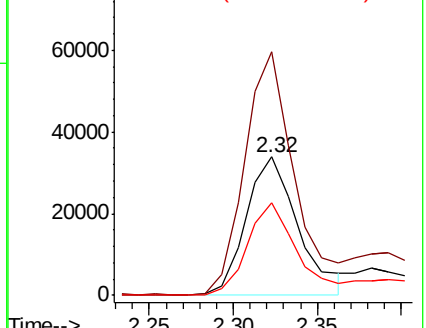
96 100

61 176.1 146.0 219.0

98 66.9 51.6 77.4



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



#22

Diisopropyl ether

Concen: 58.002 ug/l

RT: 2.82 min Scan# 222

Delta R.T. 0.01 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Tgt Ion: 45 Resp: 317201

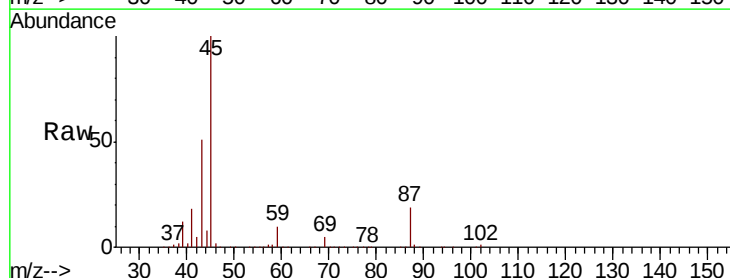
Ion Ratio Lower Upper

45 100

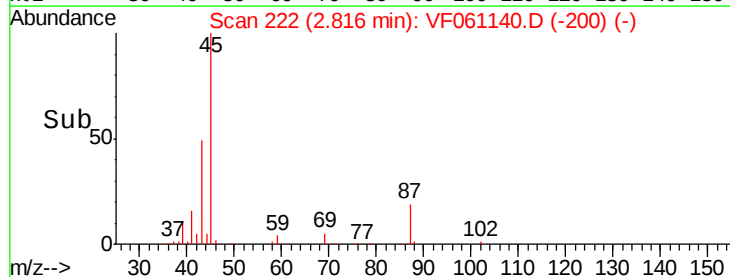
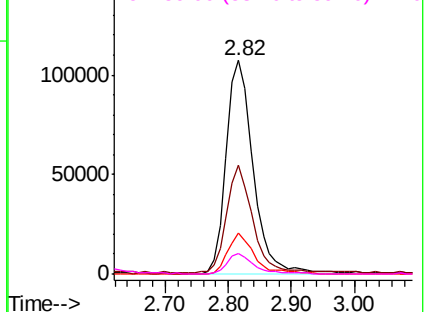
43 50.7 42.2 63.2

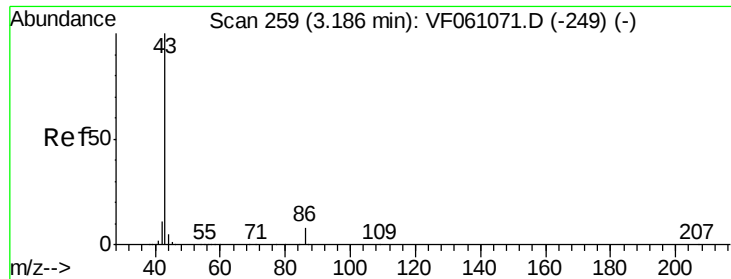
87 19.2 14.6 22.0

59 9.5 7.0 10.4



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 285.411 ug/l

RT: 3.21 min Scan# 262

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

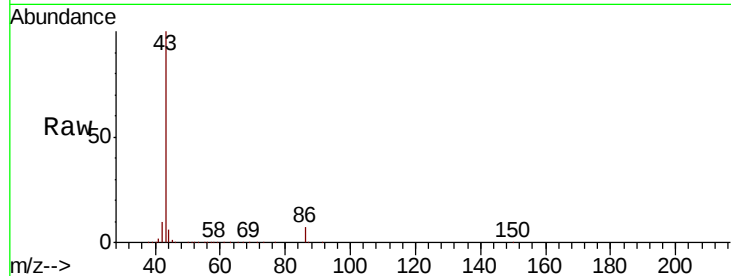
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 720065

Ion Ratio Lower Upper

43 100

86 7.3 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.21

250000

200000

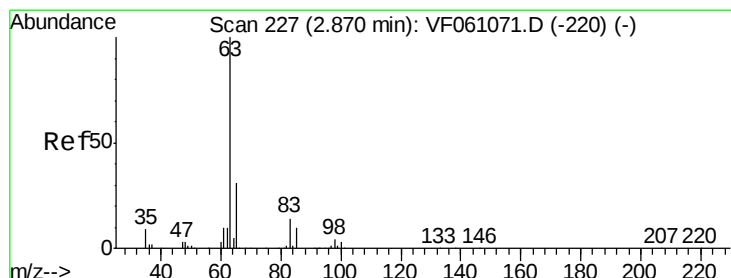
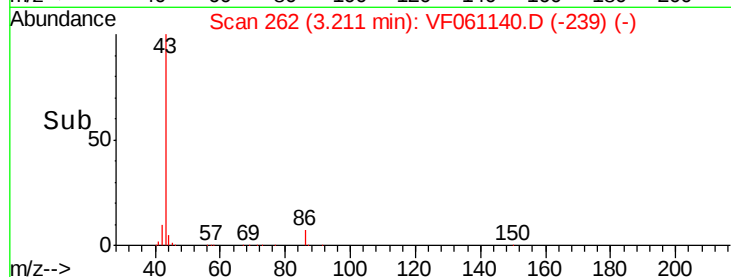
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.530 ug/l

RT: 2.89 min Scan# 229

Delta R.T. 0.01 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

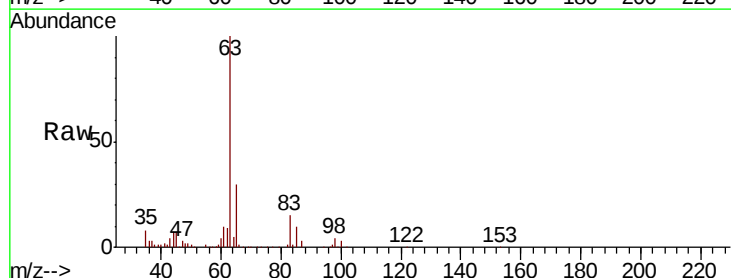
Tgt Ion: 63 Resp: 179933

Ion Ratio Lower Upper

63 100

98 3.6 2.1 6.5

100 2.9 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

2.89

80000

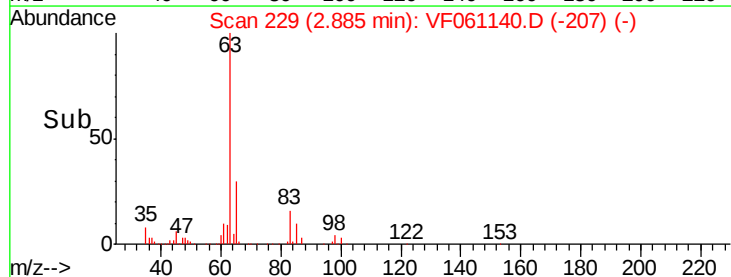
60000

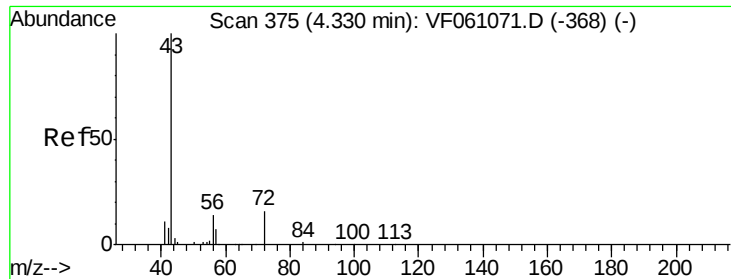
40000

20000

0

Time-->





#25

2-Butanone

Concen: 265.176 ug/l

RT: 4.35 min Scan# 378

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

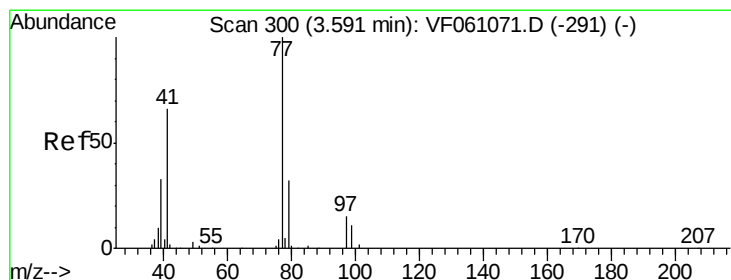
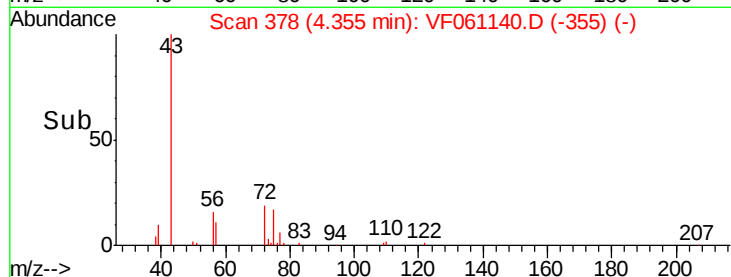
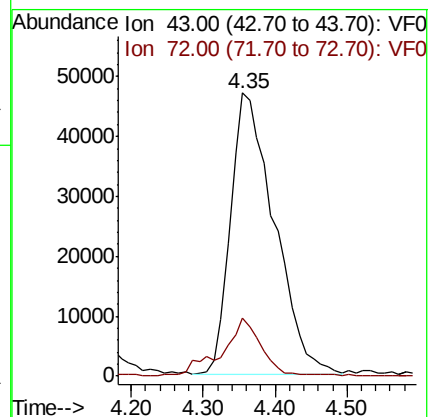
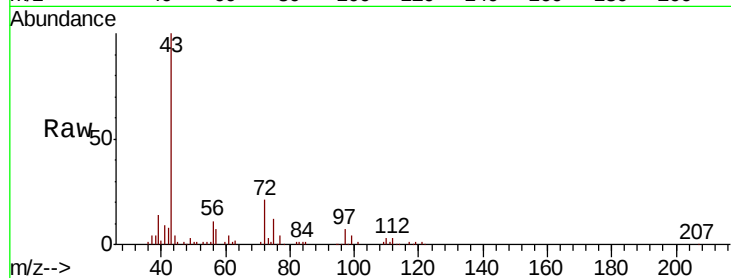
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 197905

Ion Ratio Lower Upper

43 100

72 20.6 15.6 23.4



#26

2,2-Dichloropropane

Concen: 41.894 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.02 min

Lab File: VF061140.D

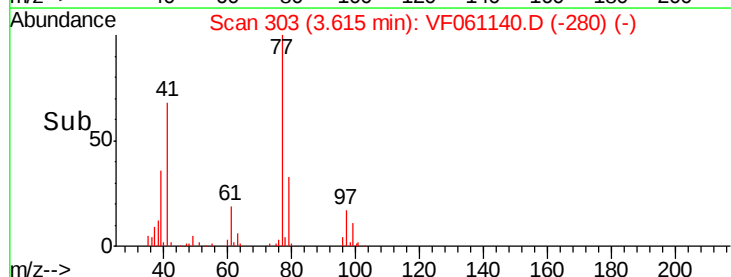
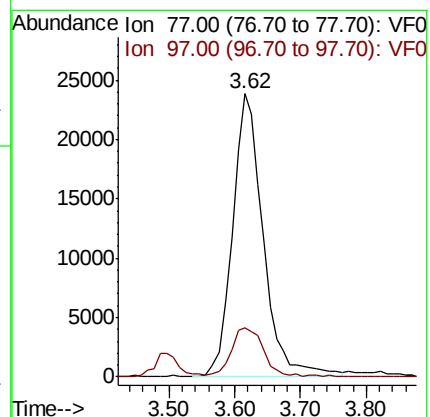
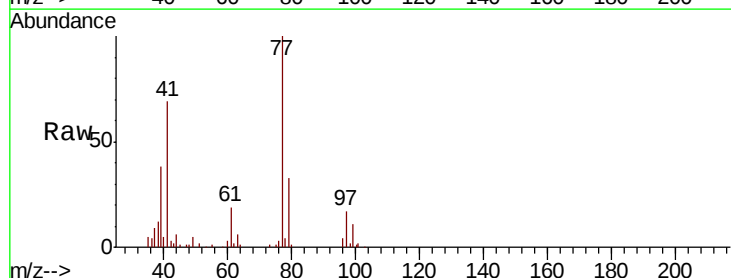
Acq: 22 Dec 2018 12:49

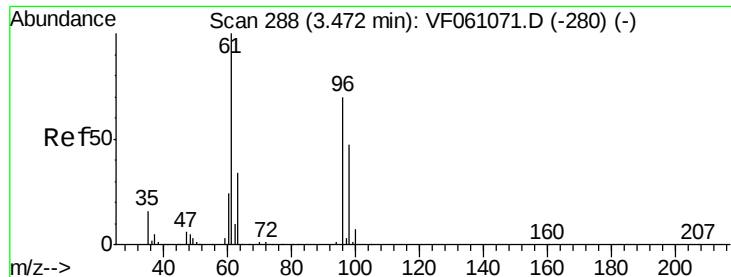
Tgt Ion: 77 Resp: 77902

Ion Ratio Lower Upper

77 100

97 17.3 8.2 24.4



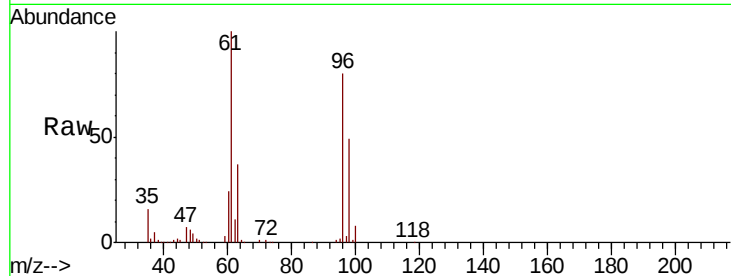


#27

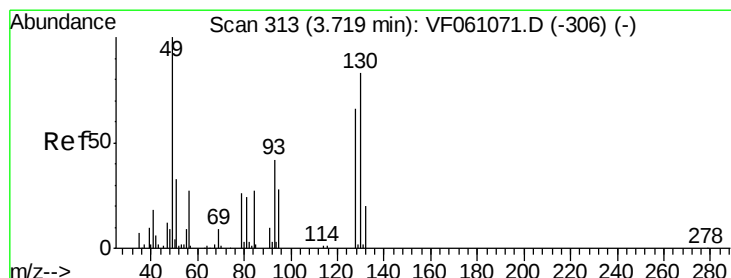
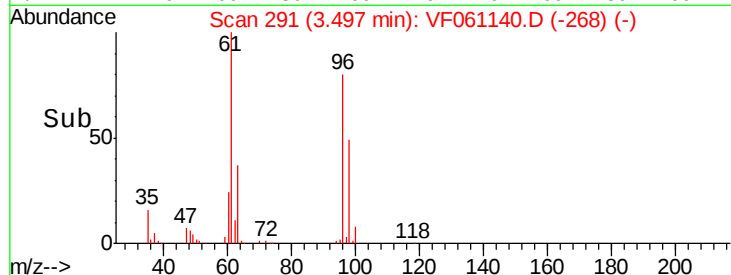
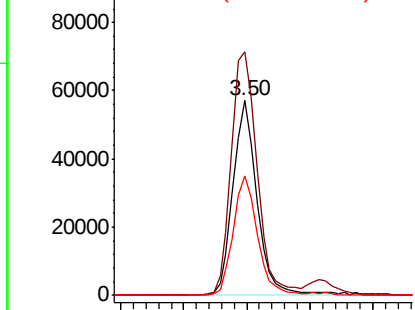
cis-1,2-Dichloroethene
Concen: 58.422 ug/l
RT: 3.50 min Scan# 291
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.0	0.0	287.8
98	61.1	0.0	134.2



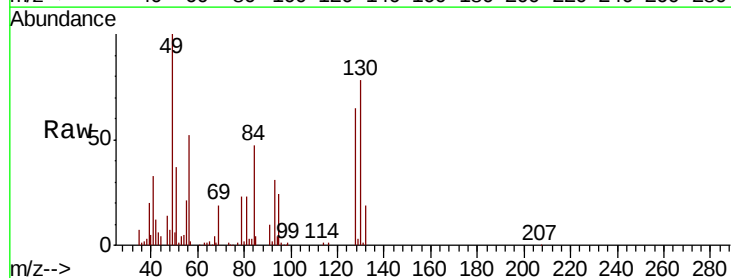
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



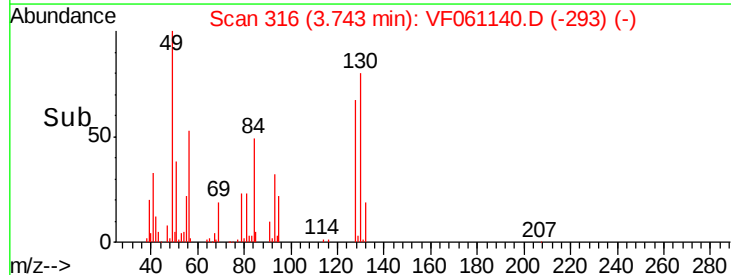
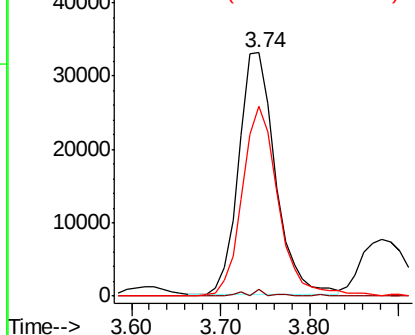
#28

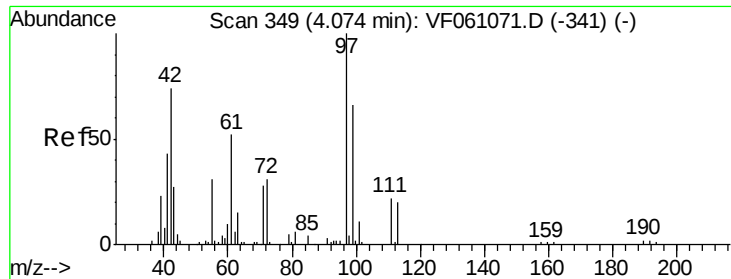
Bromochloromethane
Concen: 57.118 ug/l
RT: 3.74 min Scan# 316
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	3.6
130	78.0	65.8	98.6



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





#29

Tetrahydrofuran

Concen: 324.396 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

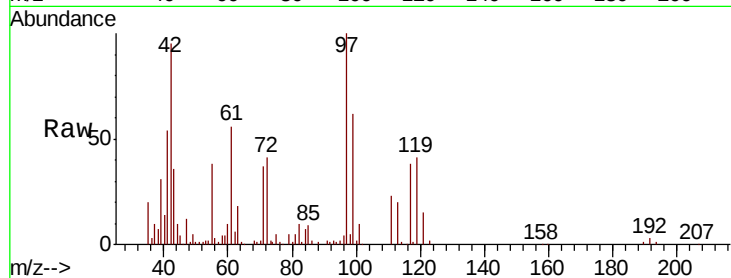
Tot Ion: 42 Resp: 98538

Ion Ratio Lower Upper

42 100

72 36.1 31.8 47.8

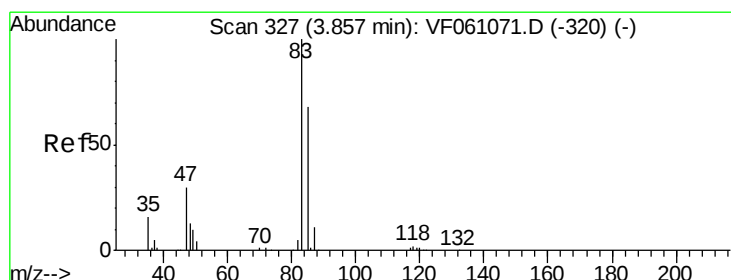
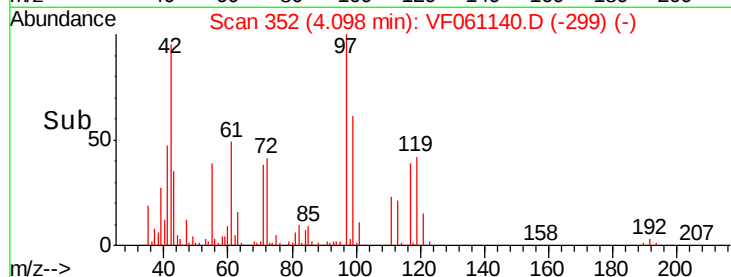
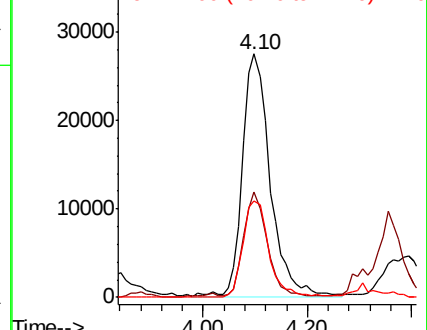
71 37.4 29.7 44.5



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: 54.910 ug/l

RT: 3.88 min Scan# 330

Delta R.T. 0.02 min

Lab File: VF061140.D

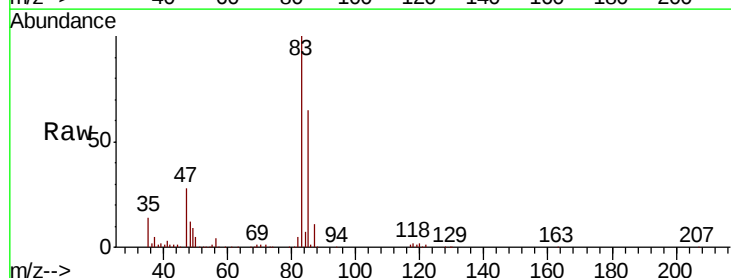
Acq: 22 Dec 2018 12:49

Tgt Ion: 83 Resp: 266781

Ion Ratio Lower Upper

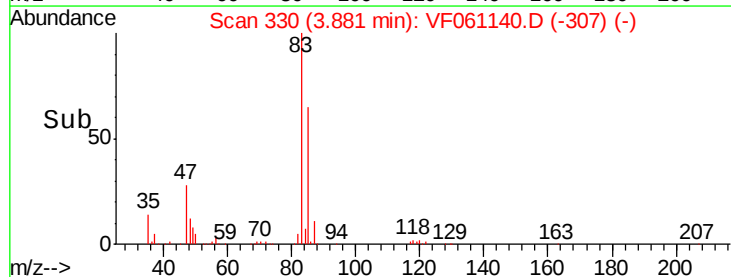
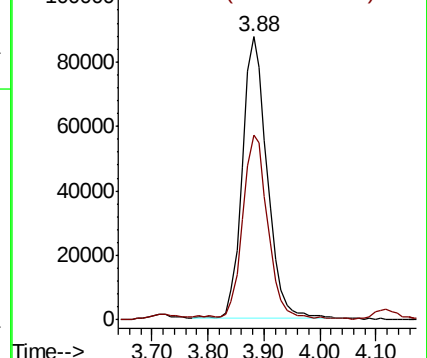
83 100

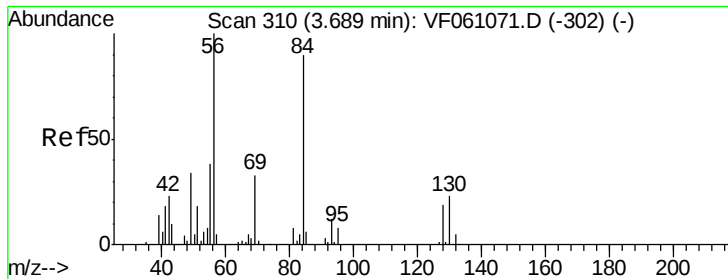
85 65.2 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 31.731 ug/l

RT: 3.71 min Scan# 313

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :

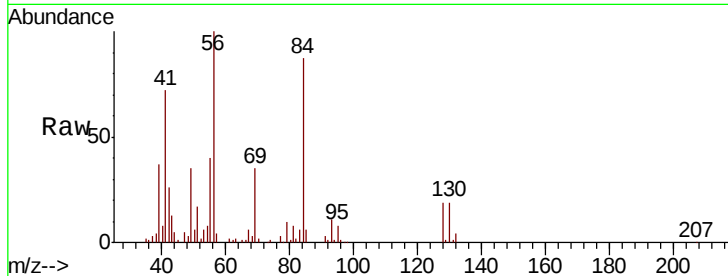
Tot Ion: 56 Resp: 106691

Ion Ratio Lower Upper

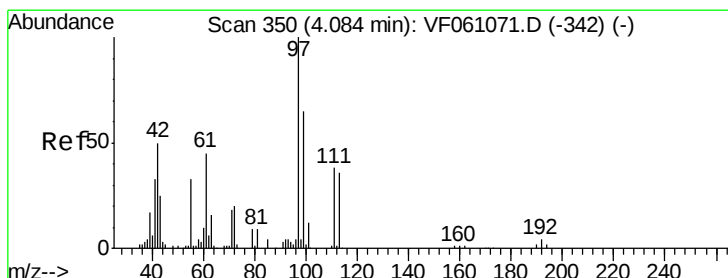
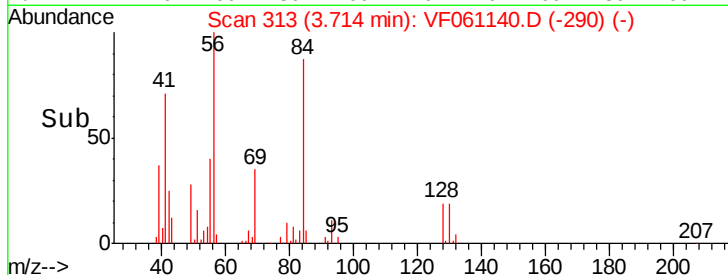
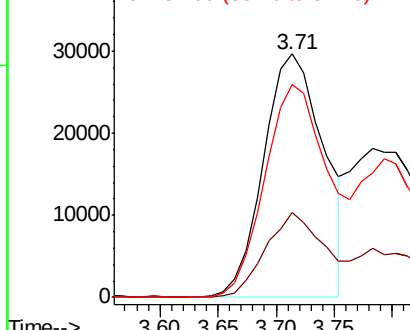
56 100

69 34.7 26.0 39.0

84 87.3 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: 51.479 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.03 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

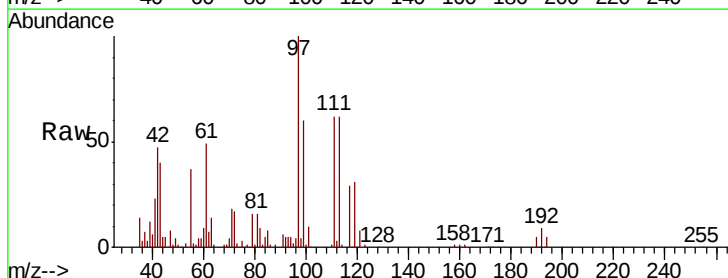
Tgt Ion: 97 Resp: 149914

Ion Ratio Lower Upper

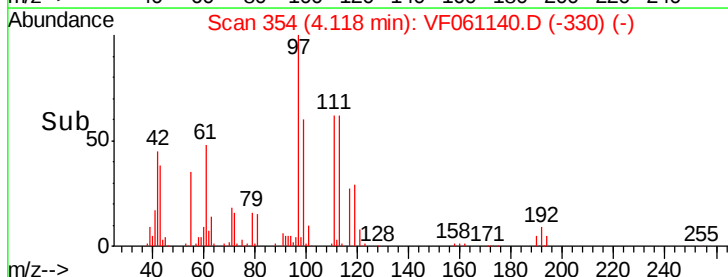
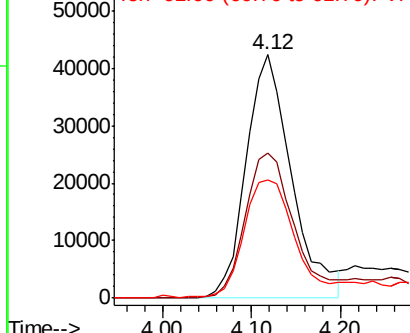
97 100

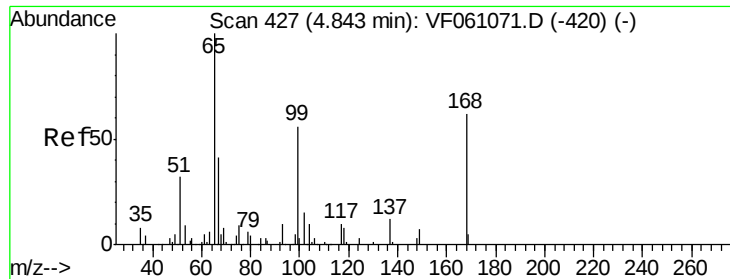
99 59.5 51.6 77.4

61 48.5 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

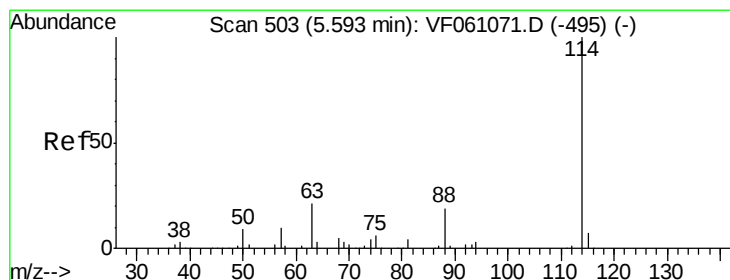
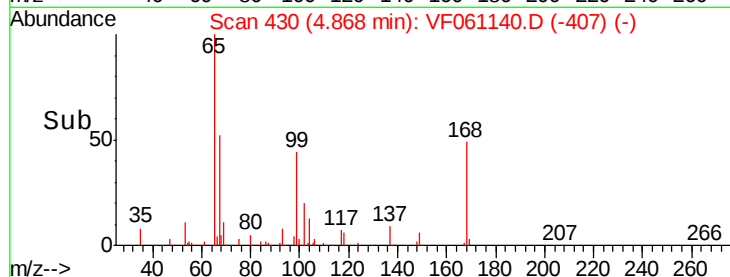
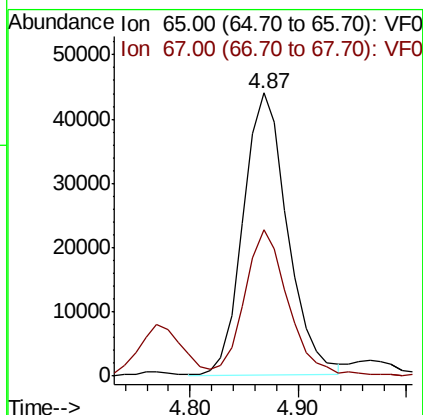
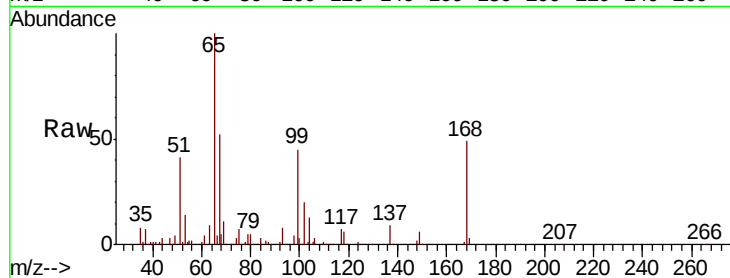




#33
 1,2-Dichloroethane-d4
 Concen: 54.705 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. 0.02 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

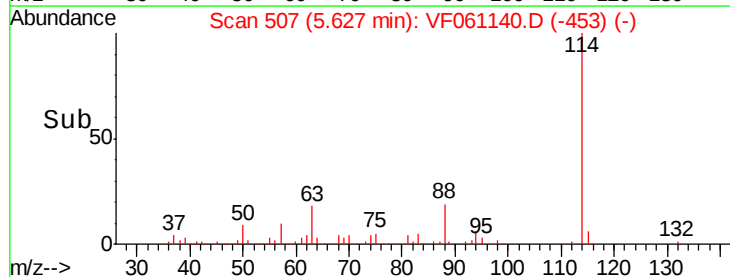
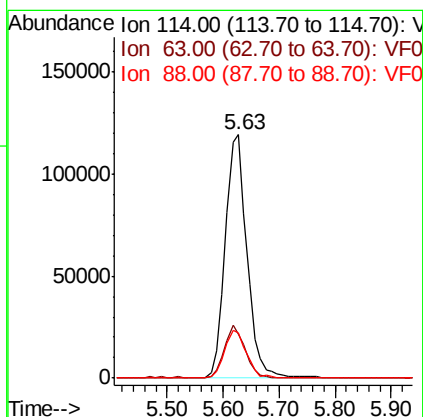
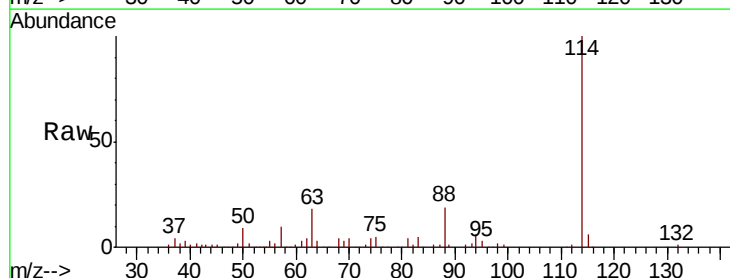
Instrument :
 MSVOA_F
 ClientSampled :

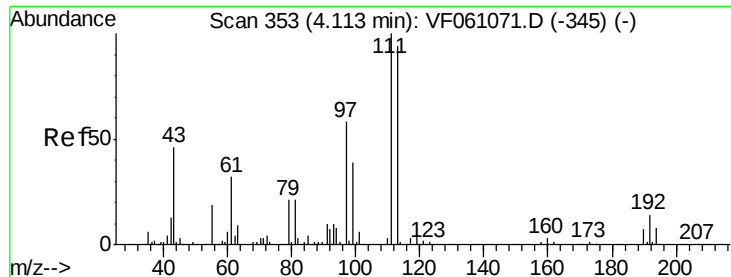
Tot Ion: 65 Resp: 125926
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. 0.03 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Tgt Ion: 114 Resp: 323360
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 41.6
 88 18.7 0.0 38.0

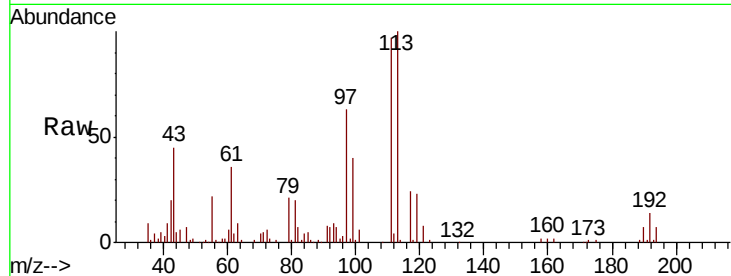




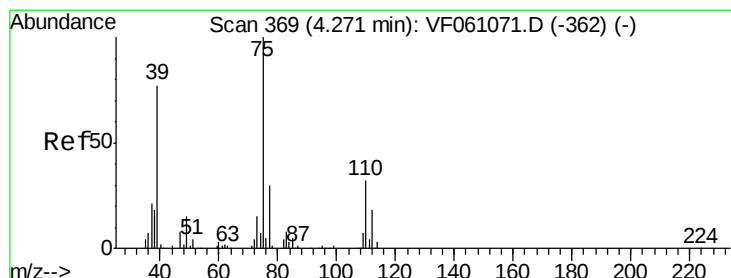
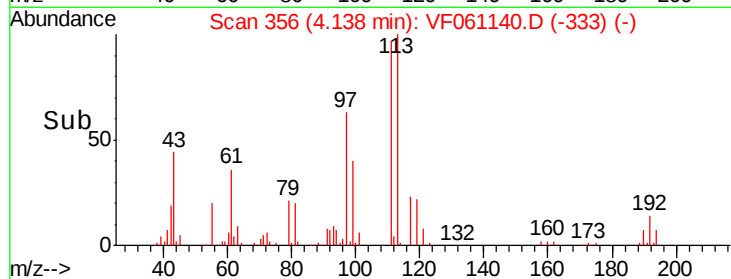
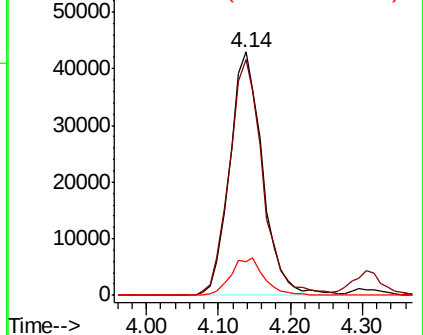
#35
 Dibromofluoromethane
 Concen: 52.740 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. 0.02 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:113 Resp: 136612
 Ion Ratio Lower Upper
 113 100
 111 97.1 85.2 127.8
 192 14.0 12.8 19.2

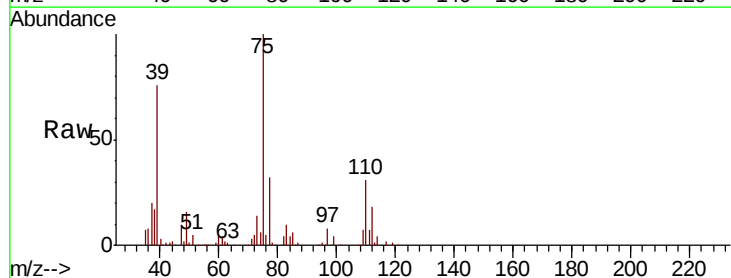


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

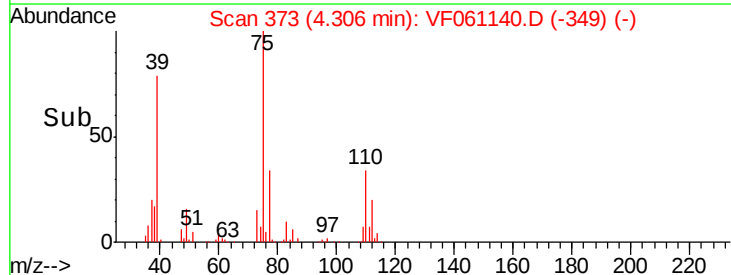
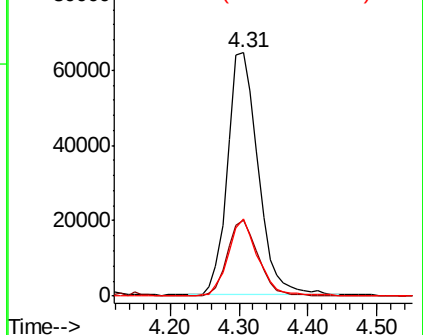


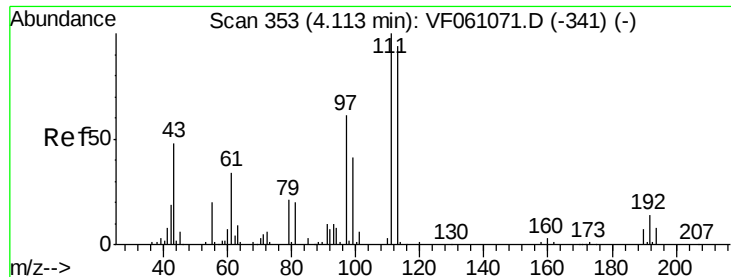
#36
 1,1-Dichloropropene
 Concen: 50.964 ug/l
 RT: 4.31 min Scan# 373
 Delta R.T. 0.03 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Tgt Ion: 75 Resp: 198923
 Ion Ratio Lower Upper
 75 100
 110 31.0 16.1 48.2
 77 31.9 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

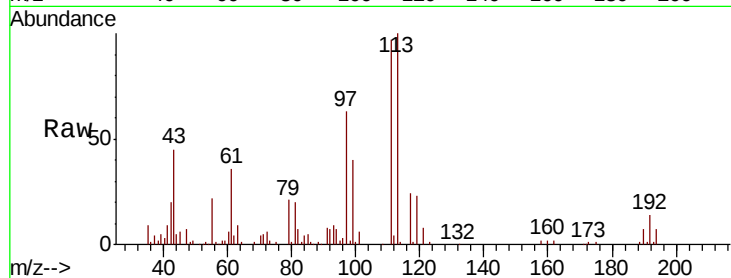




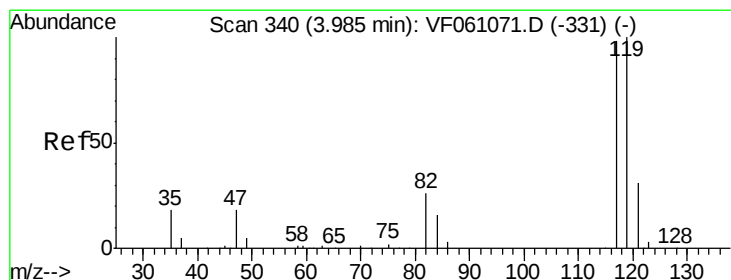
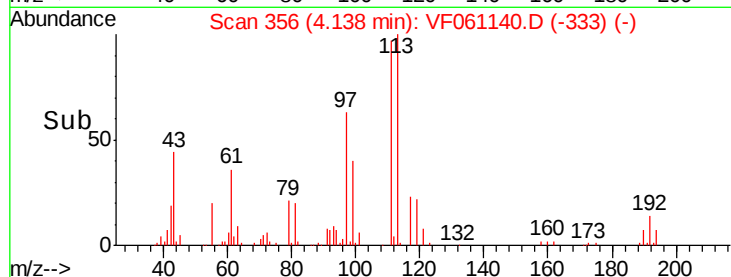
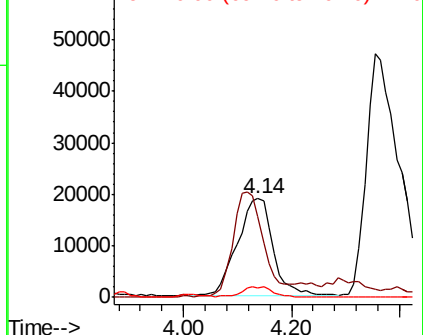
#37
Ethyl Acetate
Concen: 58.875 ug/l
RT: 4.14 min Scan# 356
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 86588
Ion Ratio Lower Upper
43 100
61 81.5 56.6 84.8
70 10.0 6.3 9.5#

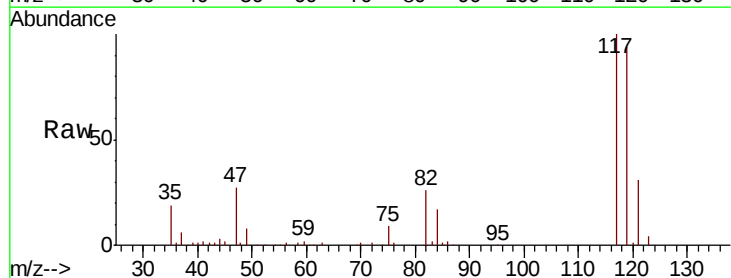


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

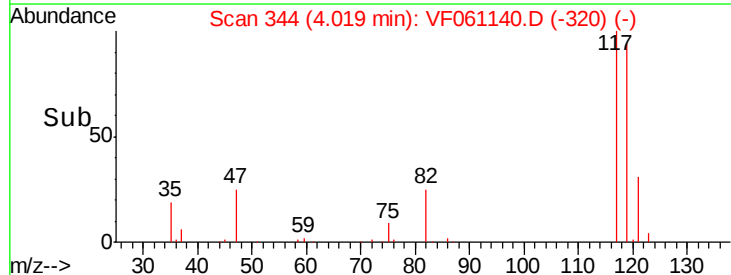
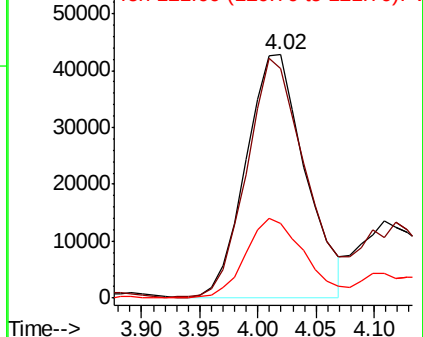


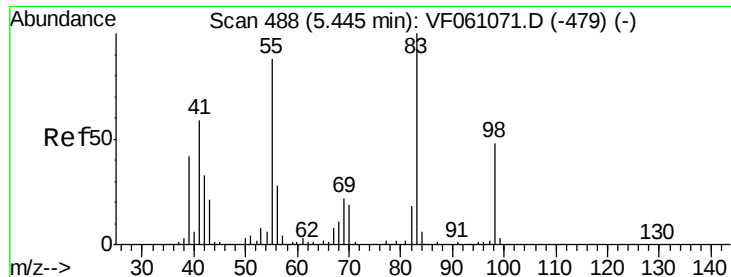
#38
Carbon Tetrachloride
Concen: 50.659 ug/l
RT: 4.02 min Scan# 344
Delta R.T. 0.03 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Tgt Ion: 117 Resp: 150580
Ion Ratio Lower Upper
117 100
119 94.5 82.1 123.1
121 30.8 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

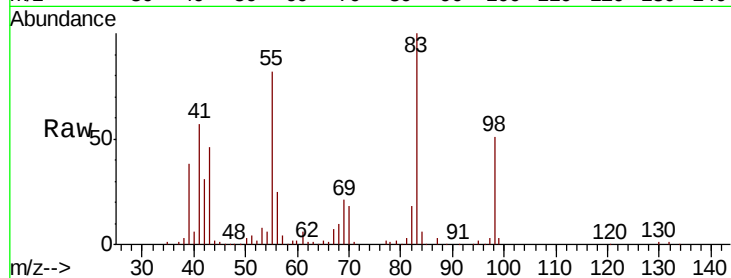




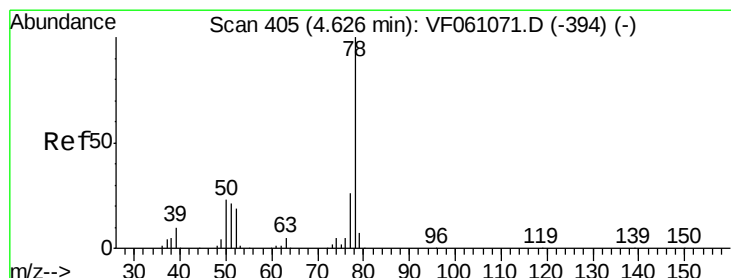
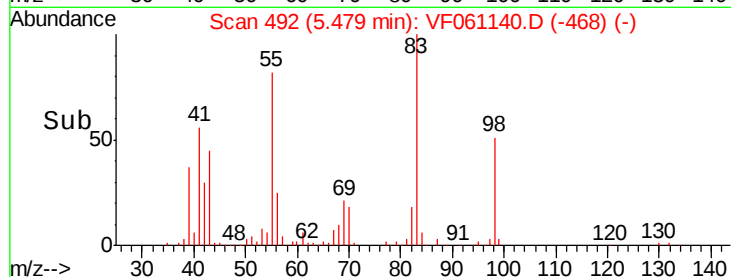
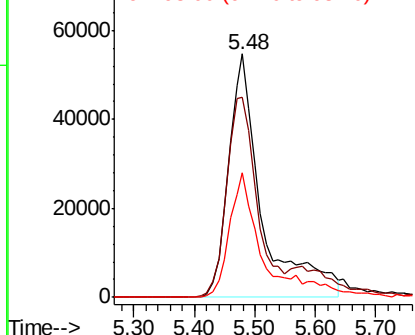
#39
Methvlcvclohexane
Concen: 60.184 ug/l
RT: 5.48 min Scan# 492
Delta R.T. 0.03 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 210744
Ion Ratio Lower Upper
83 100
55 82.4 70.6 105.8
98 51.1 38.5 57.7

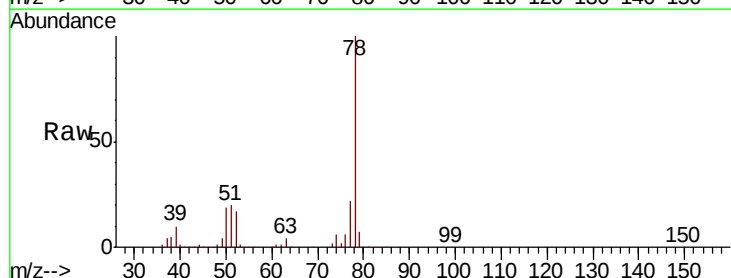


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

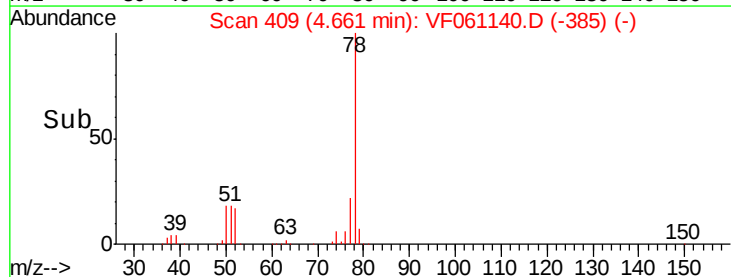
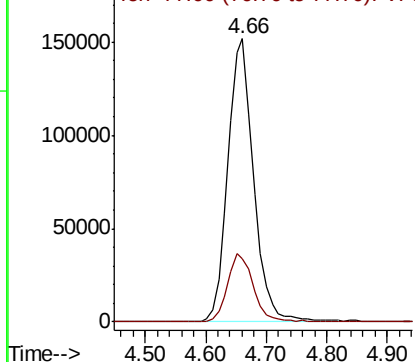


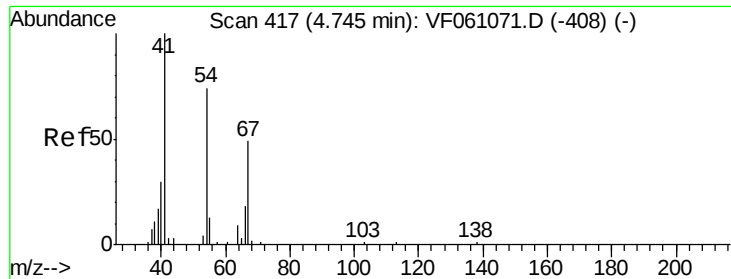
#40
Benzene
Concen: 53.406 ug/l
RT: 4.66 min Scan# 409
Delta R.T. 0.03 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Tgt Ion: 78 Resp: 448278
Ion Ratio Lower Upper
78 100
77 22.5 20.7 31.1



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

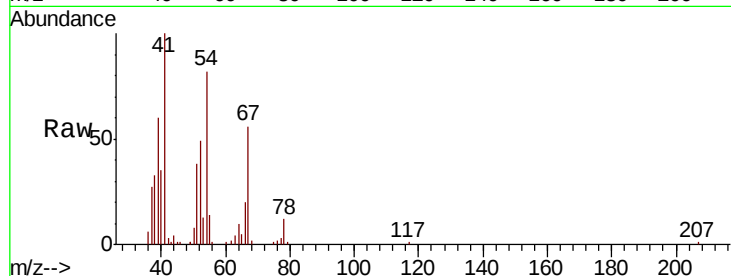




#41
Methacrylonitrile
Concen: 55.037 ug/l
RT: 4.77 min Scan# 420
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	45368
Ion	Ratio	Lower	Upper
41	100		
39	60.5	45.7	68.5
67	55.6	38.9	58.3
52	49.2	35.2	52.8



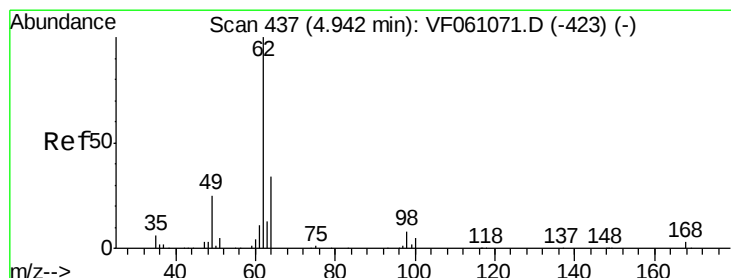
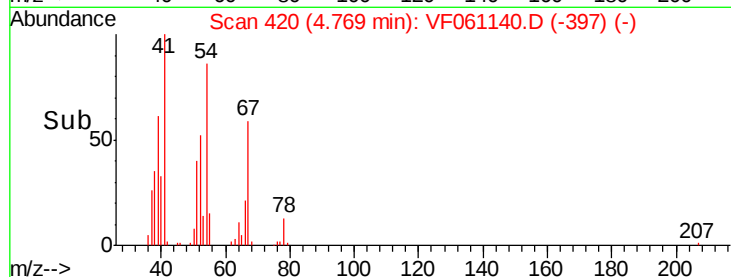
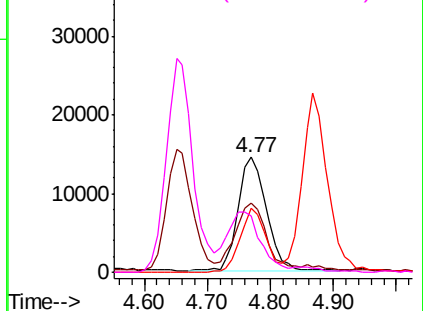
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

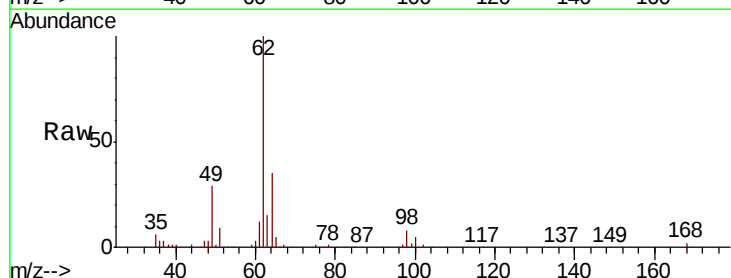
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 51.786 ug/l
RT: 4.97 min Scan# 440
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

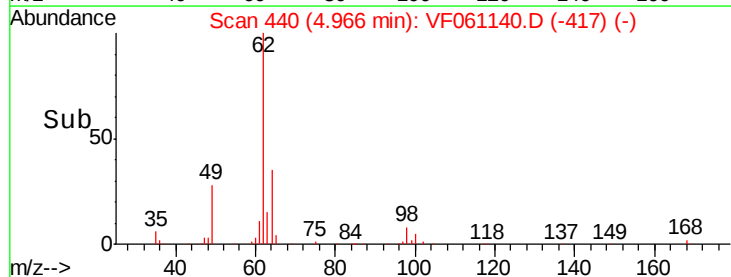
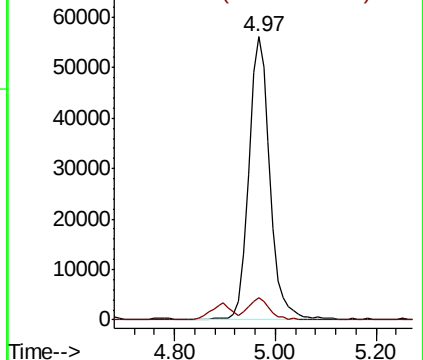
Tgt Ion:	62	Resp:	165128
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.6

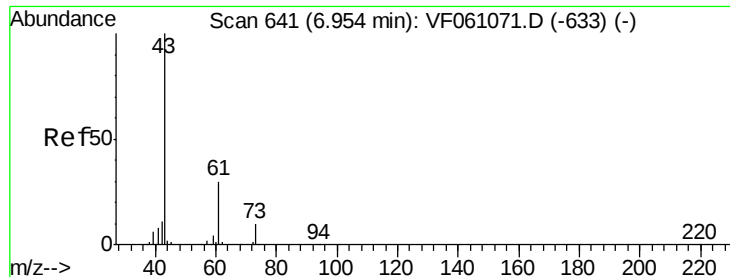


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



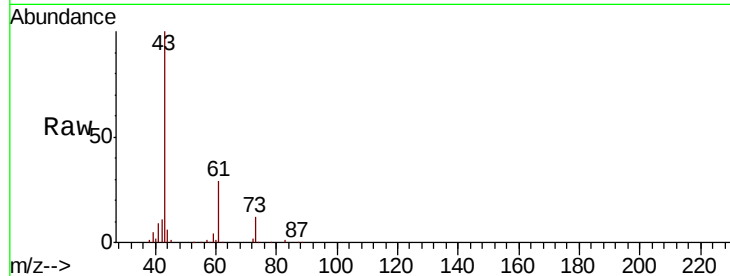


#43

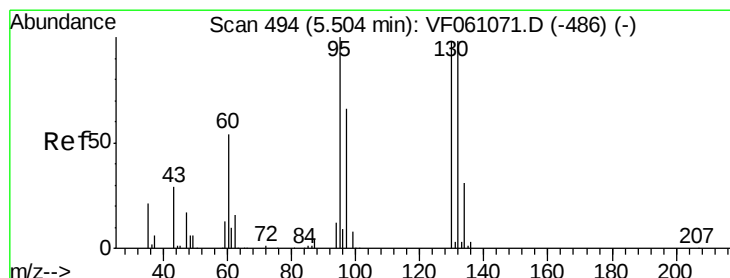
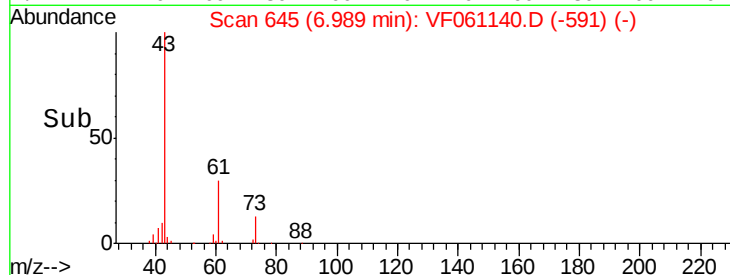
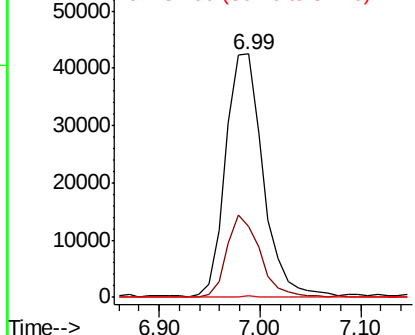
Isopropyl Acetate
 Concen: 58.488 ug/l
 RT: 6.99 min Scan# 645
 Delta R.T. 0.03 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion: 43 Resp: 110229
 Ion Ratio Lower Upper
 43 100
 61 29.1 23.8 35.8
 87 0.5 0.0 0.0#



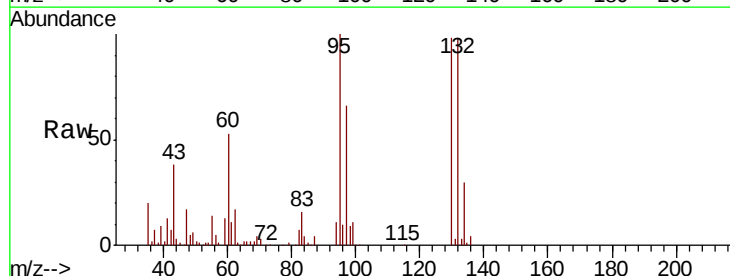
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



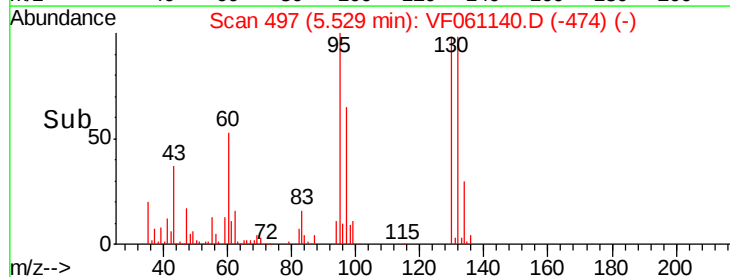
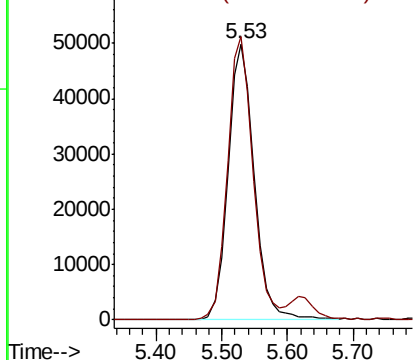
#44

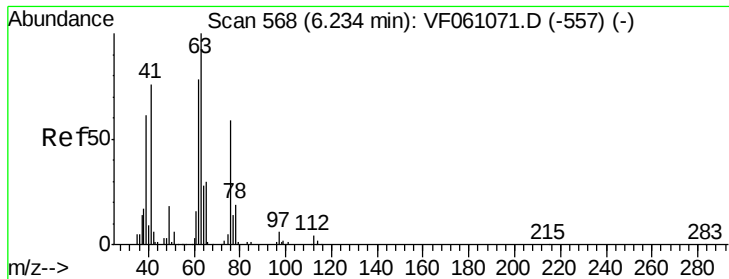
Trichloroethene
 Concen: 52.319 ug/l
 RT: 5.53 min Scan# 497
 Delta R.T. 0.02 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Tgt Ion: 130 Resp: 138455
 Ion Ratio Lower Upper
 130 100
 95 102.5 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: 54.583 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :

MSVOA_F

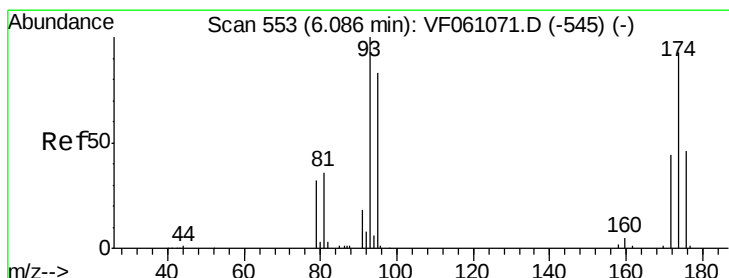
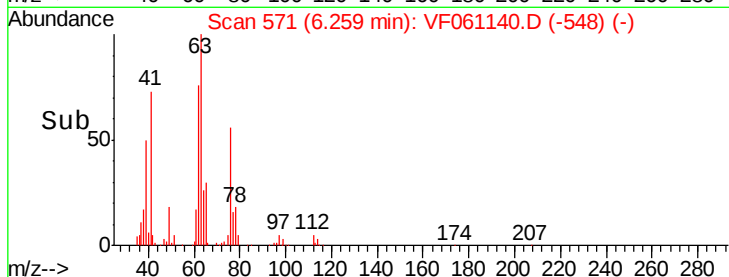
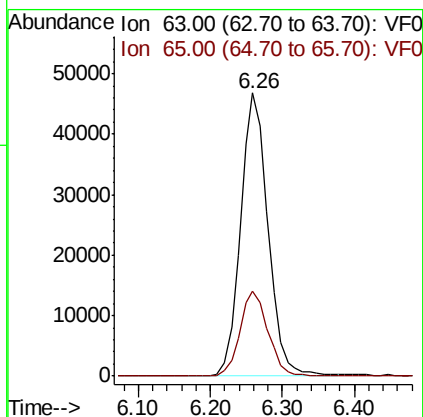
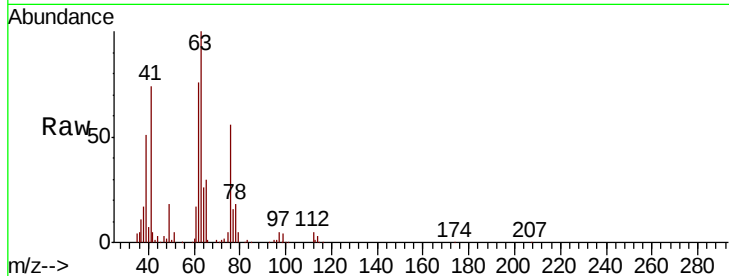
ClientSampleId :

Tot Ion: 63 Resp: 124650

Ion Ratio Lower Upper

63 100

65 29.9 24.4 36.6



#46

Dibromomethane

Concen: 54.168 ug/l

RT: 6.11 min Scan# 556

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

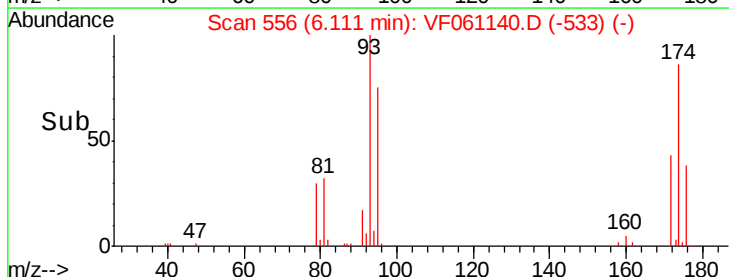
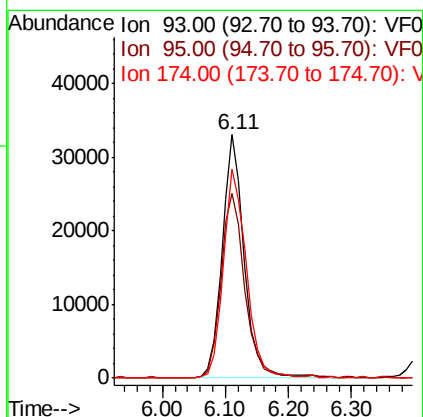
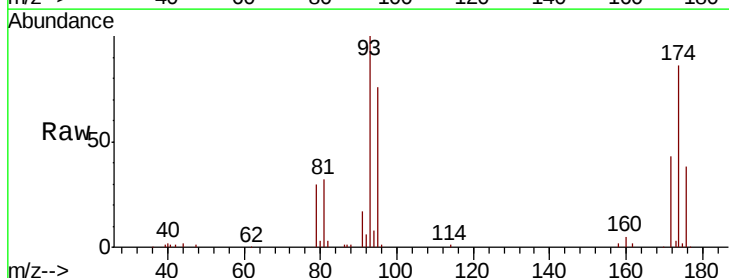
Tgt Ion: 93 Resp: 80232

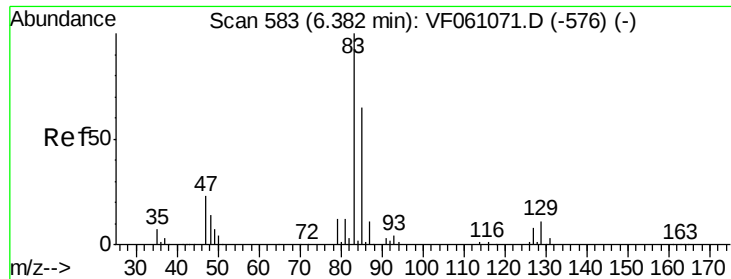
Ion Ratio Lower Upper

93 100

95 75.9 66.9 100.3

174 86.1 74.1 111.1





#47

Bromodichloromethane

Concen: 51.582 ug/l

RT: 6.41 min Scan# 586

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :

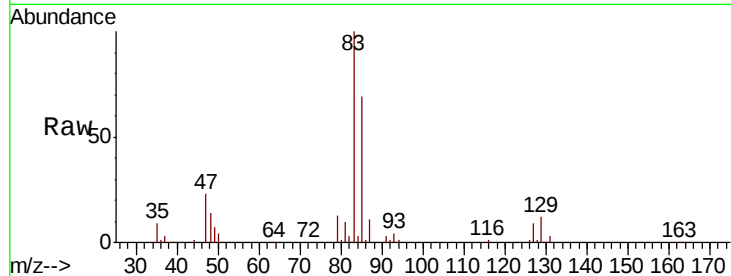
Tot Ion: 83 Resp: 198510

Ion	Ratio	Lower	Upper
83	100		
85	69.0	52.2	78.4
127	8.6	6.1	9.1

83 100

85 69.0 52.2 78.4

127 8.6 6.1 9.1

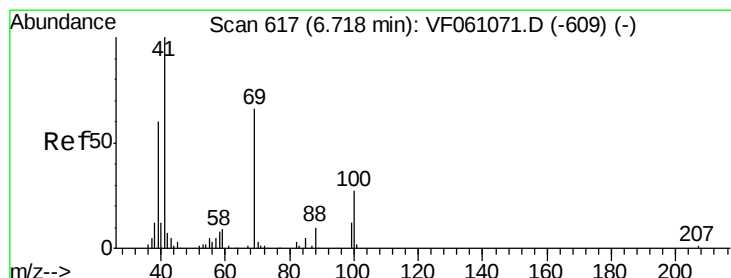
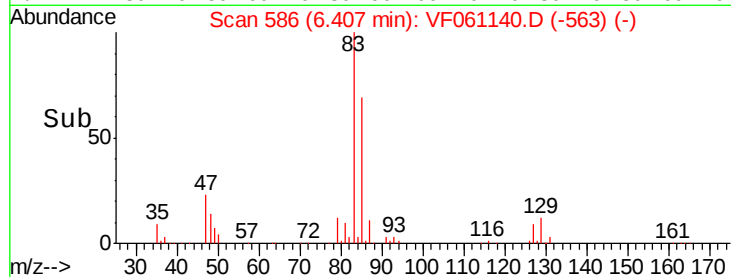
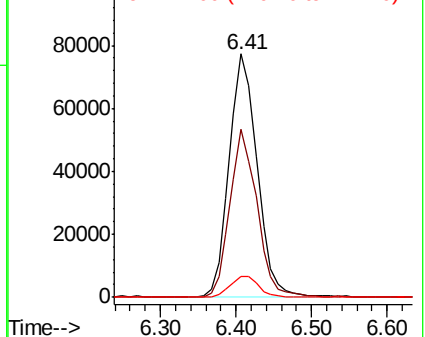


Abundance

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: 57.704 ug/l

RT: 6.74 min Scan# 620

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

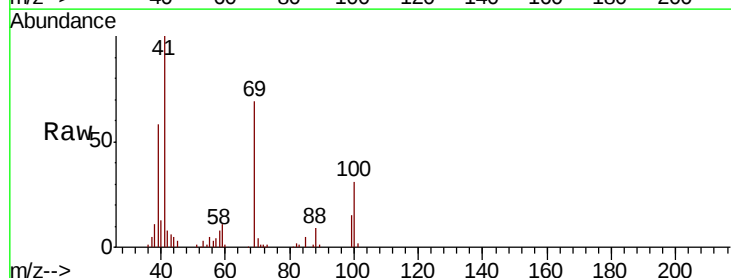
Tgt Ion: 41 Resp: 75920

Ion	Ratio	Lower	Upper
41	100		
69	68.7	52.7	79.1
39	57.9	47.8	71.6

41 100

69 68.7 52.7 79.1

39 57.9 47.8 71.6

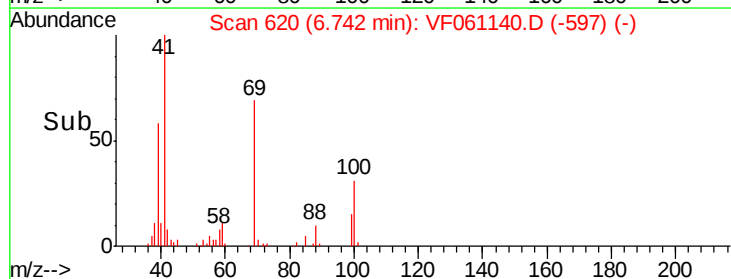
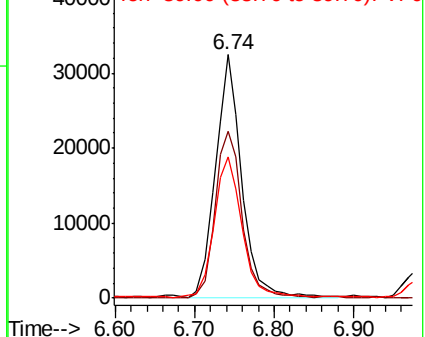


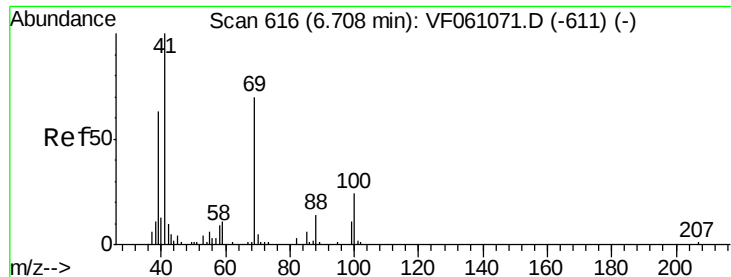
Abundance

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

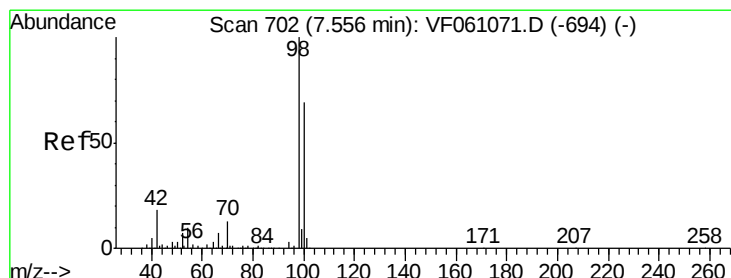
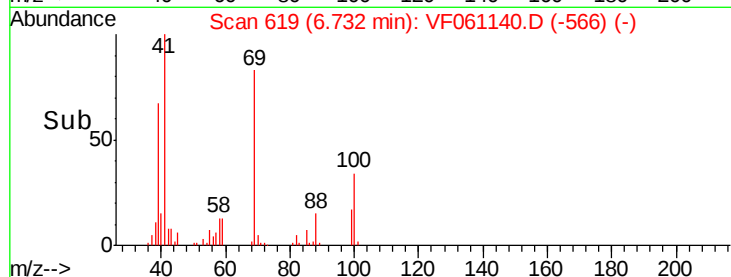
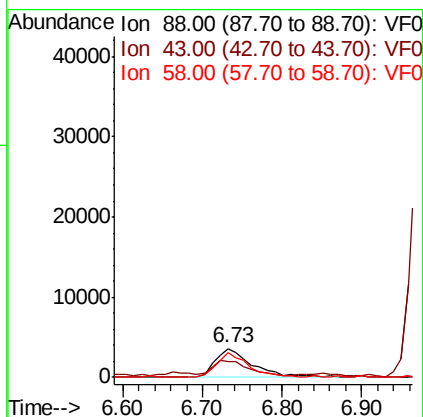
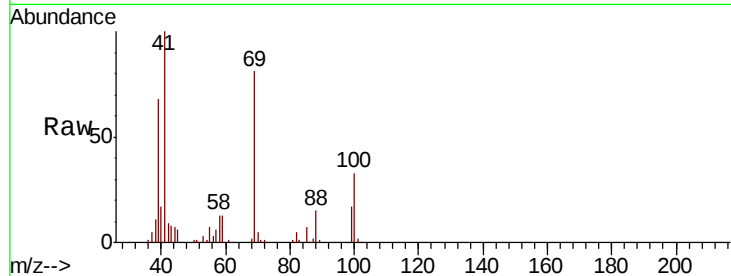




#49
1,4-Dioxane
Concen: 1222.425 ug/l
RT: 6.73 min Scan# 619
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

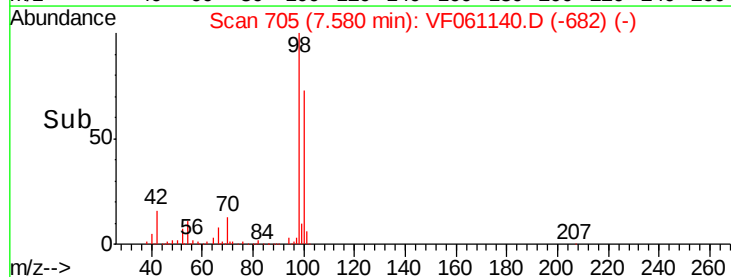
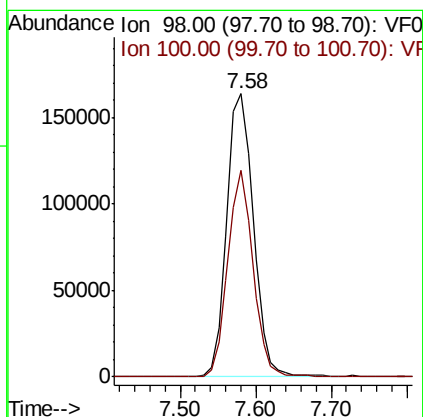
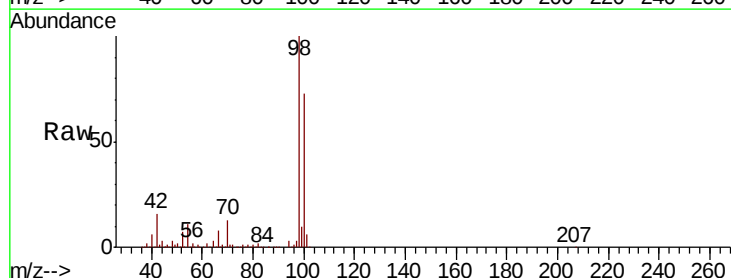
Instrument :
MSVOA_F
ClientSampled :

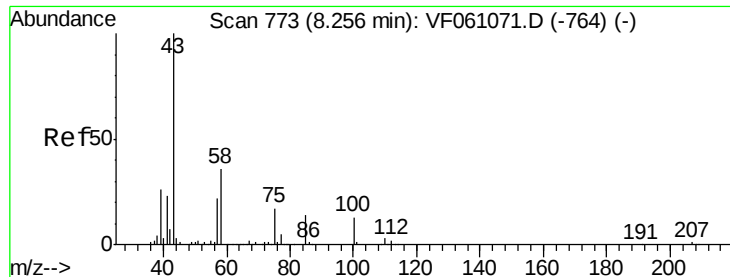
Tot Ion: 88 Resp: 11670
Ion Ratio Lower Upper
88 100
43 55.7 33.3 49.9#
58 86.6 53.2 79.8#



#50
Toluene-d8
Concen: 54.473 ug/l
RT: 7.58 min Scan# 705
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Tgt Ion: 98 Resp: 399863
Ion Ratio Lower Upper
98 100
100 73.1 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 268.842 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :

MSVOA_F

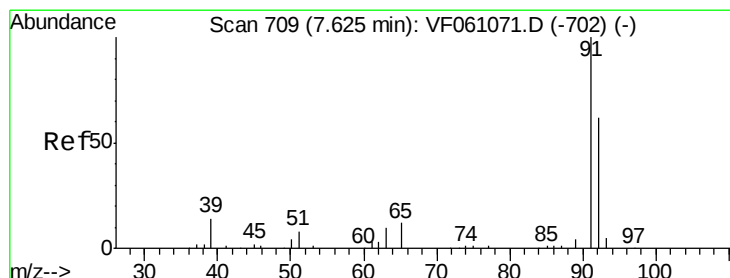
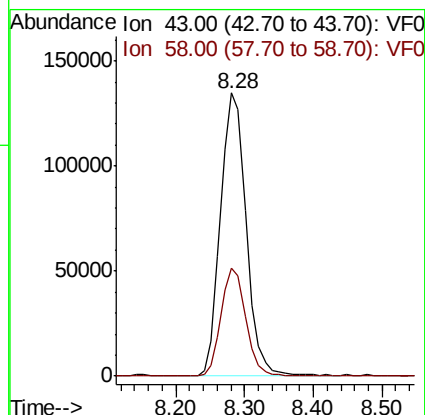
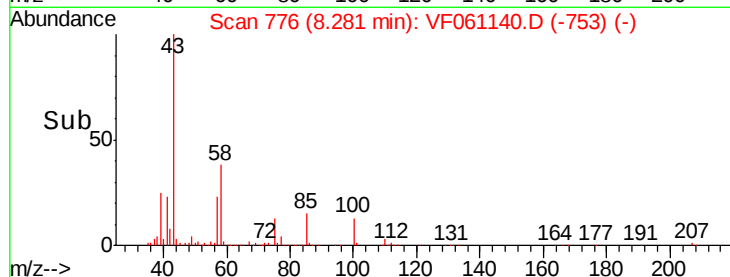
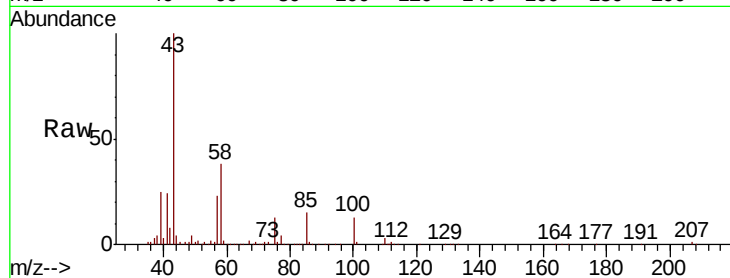
ClientSampled :

Tot Ion: 43 Resp: 347488

Ion Ratio Lower Upper

43 100

58 38.2 29.1 43.7



#52

Toluene

Concen: 52.665 ug/l

RT: 7.65 min Scan# 712

Delta R.T. 0.02 min

Lab File: VF061140.D

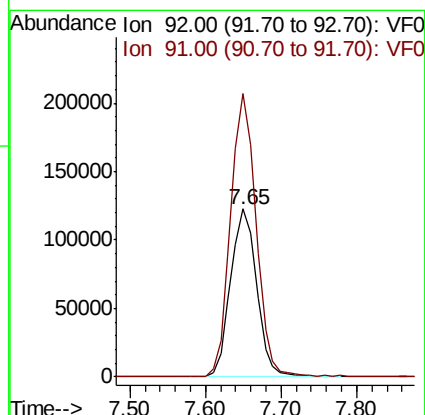
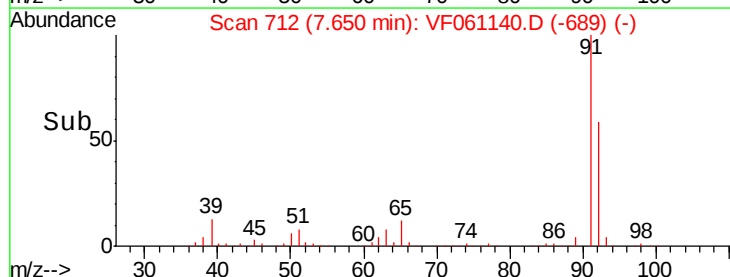
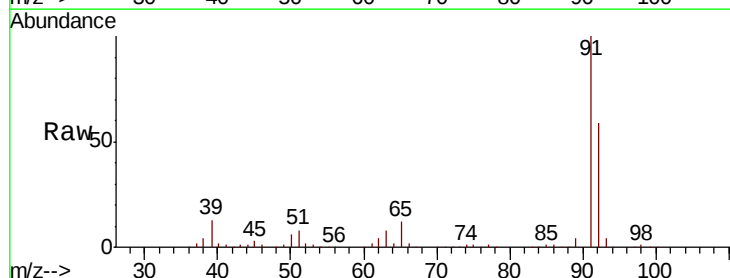
Acq: 22 Dec 2018 12:49

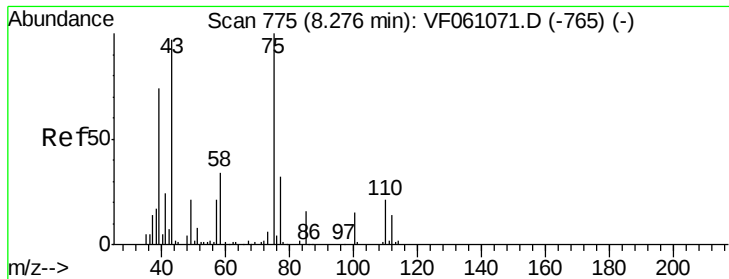
Tgt Ion: 92 Resp: 292623

Ion Ratio Lower Upper

92 100

91 168.8 128.8 193.2





#53

t-1,3-Dichloropropene

Concen: 46.697 ug/l

RT: 8.30 min Scan# 778

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

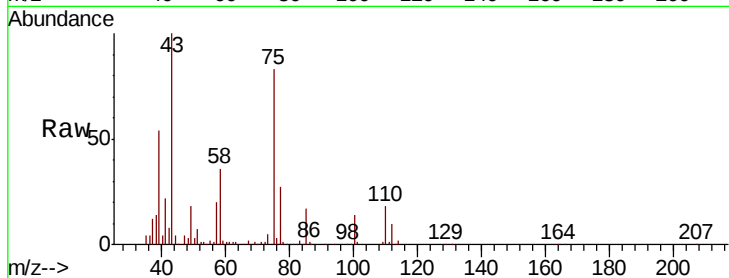
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 144974

Ion Ratio Lower Upper

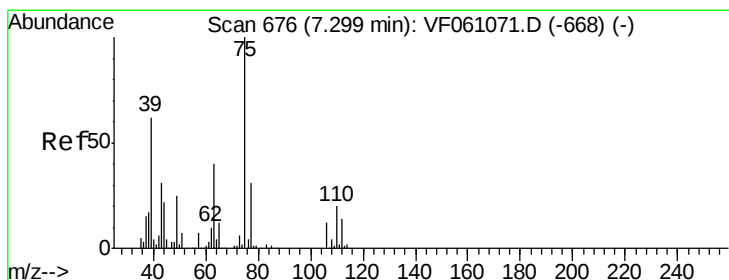
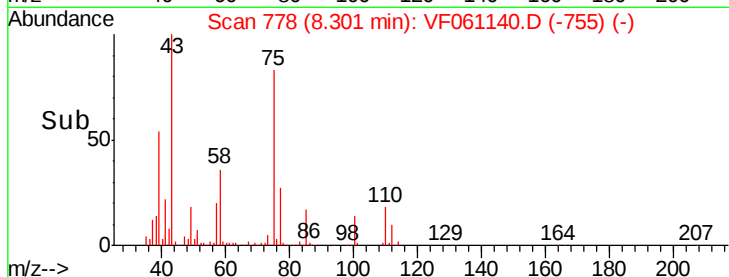
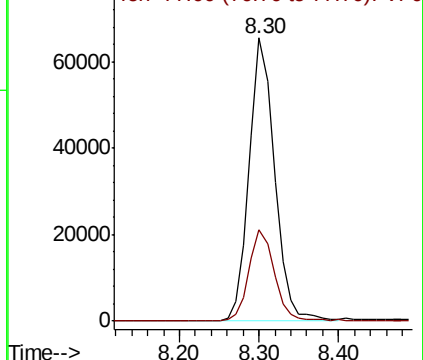
75 100

77 32.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 48.561 ug/l

RT: 7.32 min Scan# 679

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

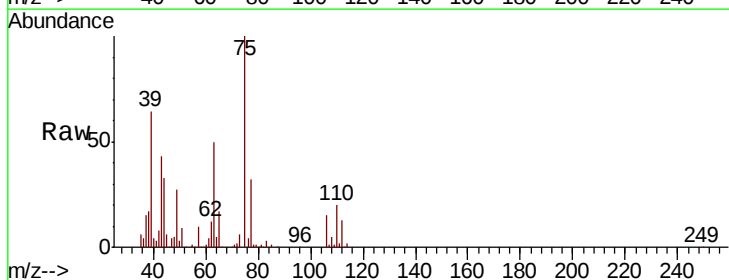
Tgt Ion: 75 Resp: 189218

Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.4

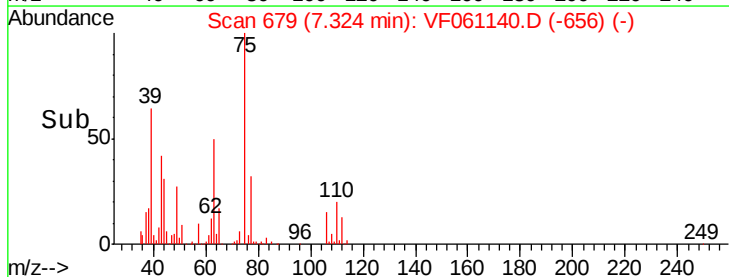
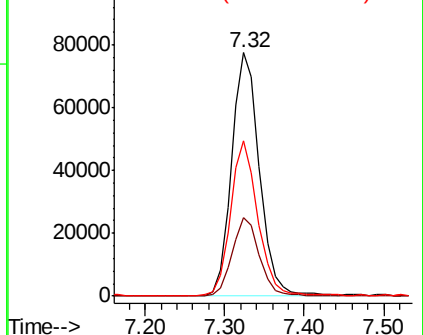
39 63.8 50.1 75.1

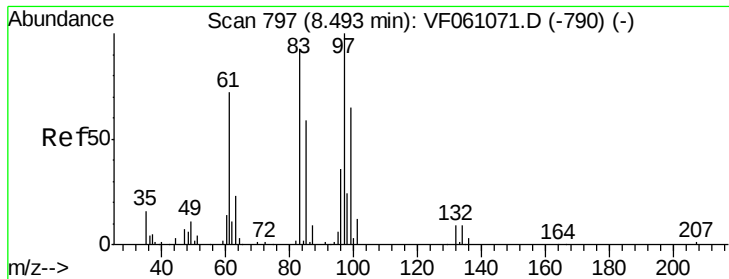


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 52.806 ug/l

RT: 8.52 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 87958

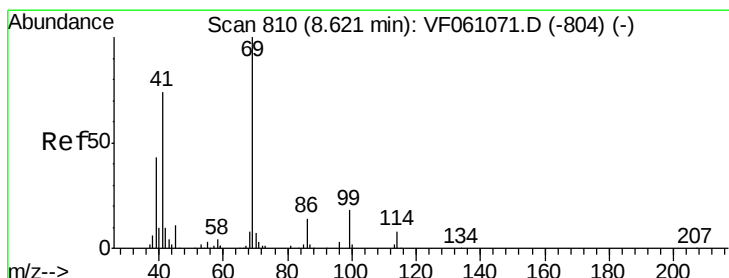
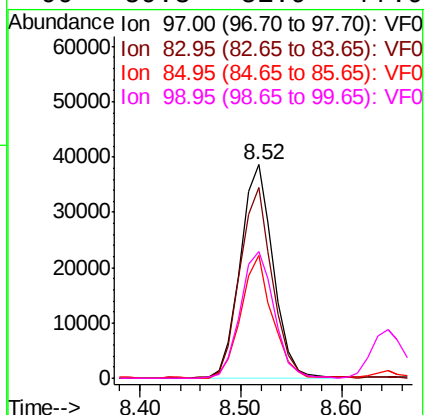
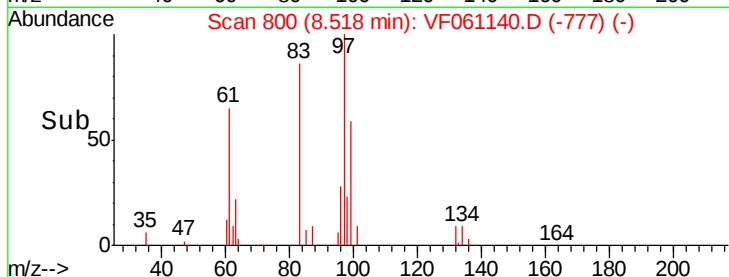
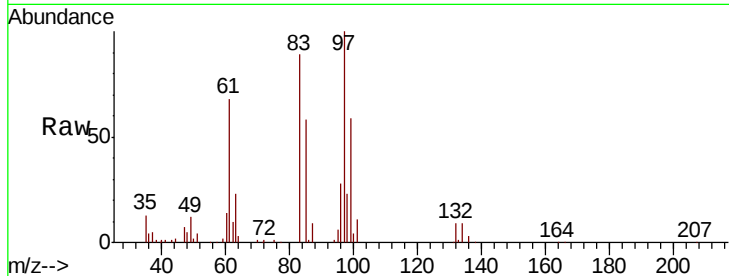
Ion Ratio Lower Upper

97 100

83 89.4 75.0 112.4

85 57.7 47.5 71.3

99 59.3 51.9 77.9



#56

Ethyl methacrylate

Concen: 58.733 ug/l

RT: 8.65 min Scan# 813

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

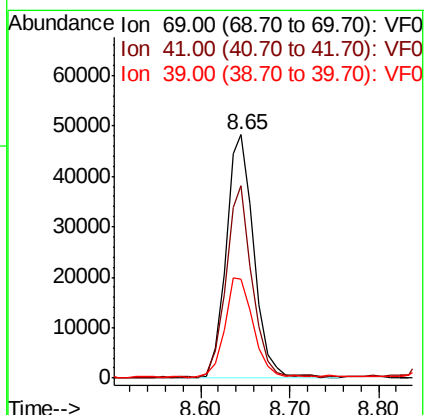
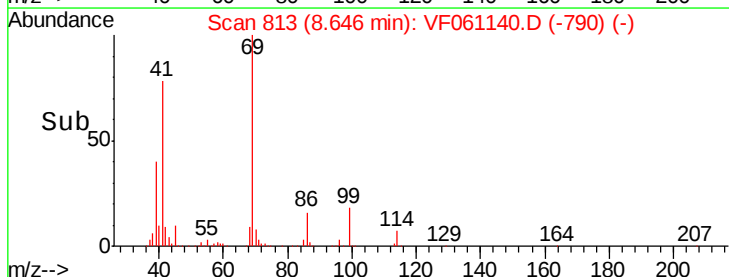
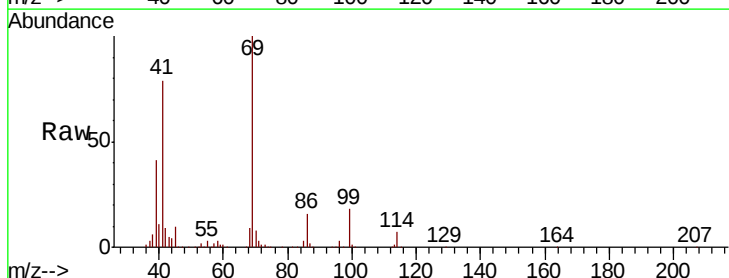
Tgt Ion: 69 Resp: 105861

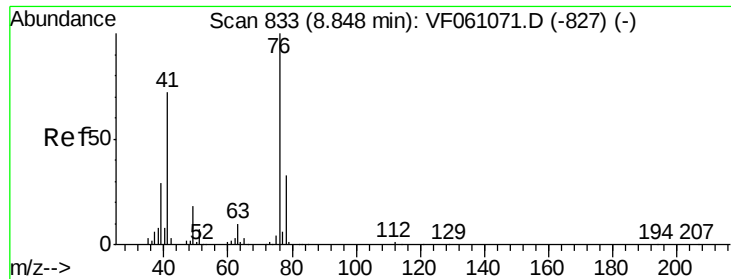
Ion Ratio Lower Upper

69 100

41 78.9 59.7 89.5

39 40.6 35.0 52.6





#57

1,3-Dichloropropane

Concen: 54.956 ug/l

RT: 8.87 min Scan# 836

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

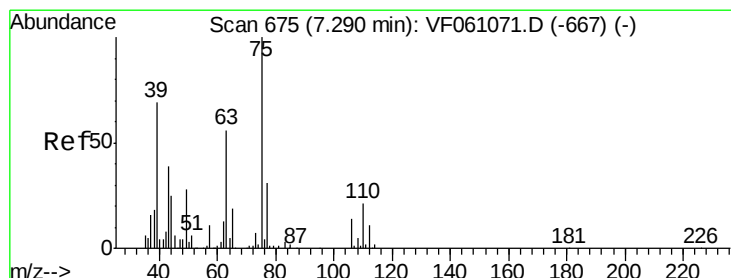
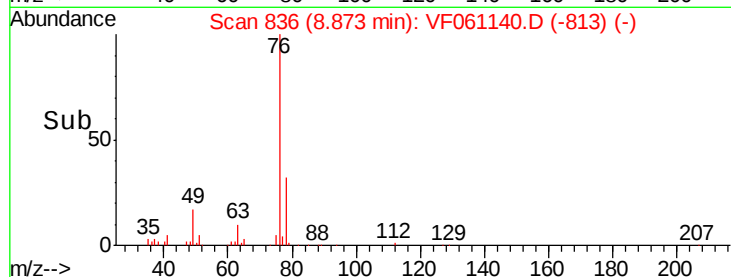
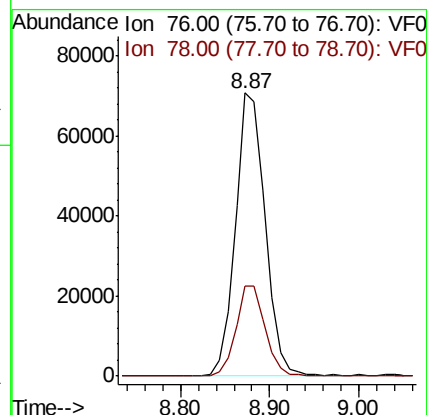
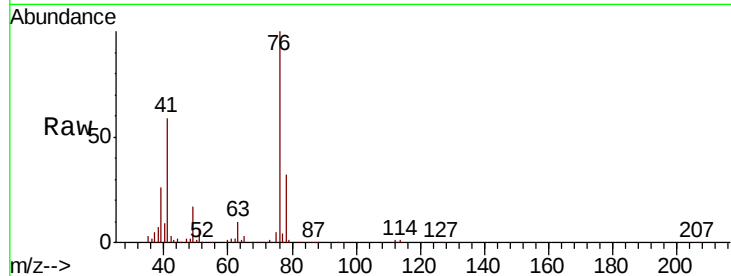
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 165560

Ion Ratio Lower Upper

76 100

78 31.8 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 274.445 ug/l

RT: 7.31 min Scan# 678

Delta R.T. 0.02 min

Lab File: VF061140.D

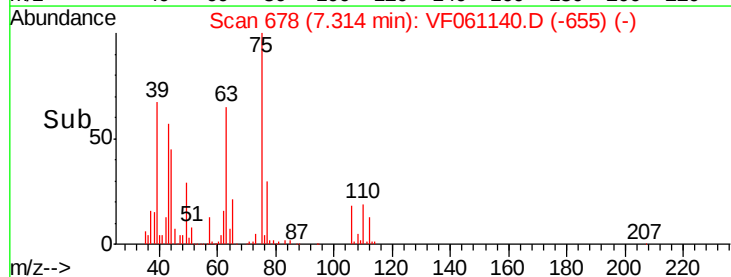
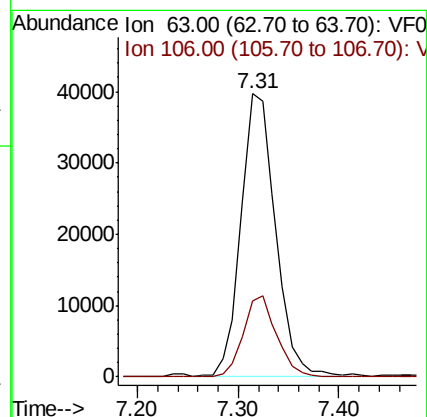
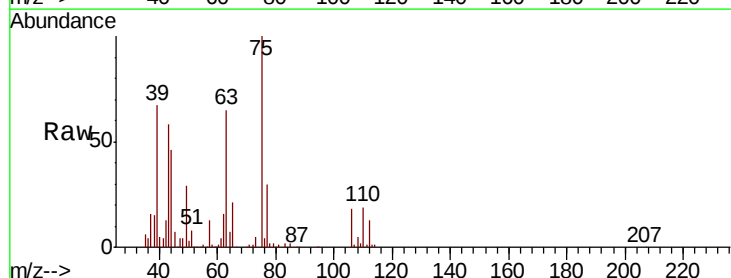
Acq: 22 Dec 2018 12:49

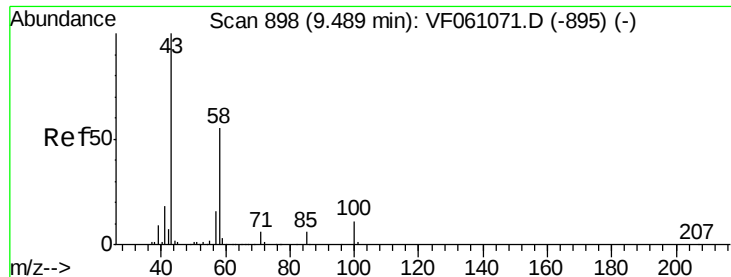
Tgt Ion: 63 Resp: 95003

Ion Ratio Lower Upper

63 100

106 26.9 19.8 29.8

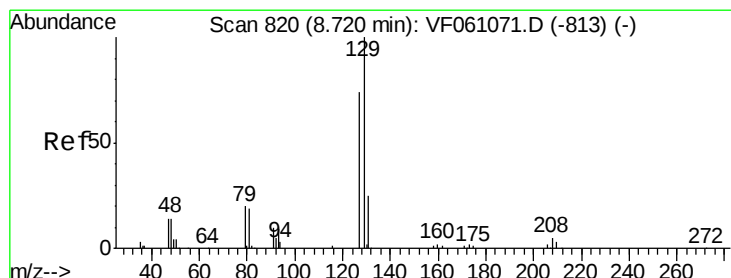
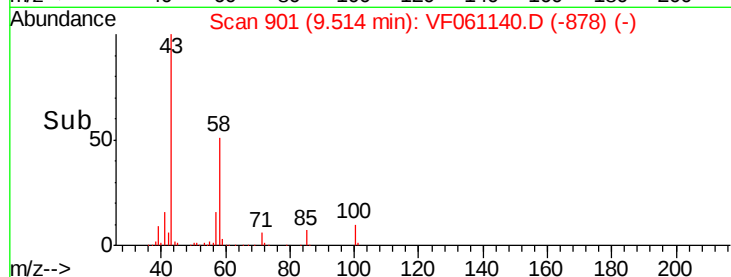
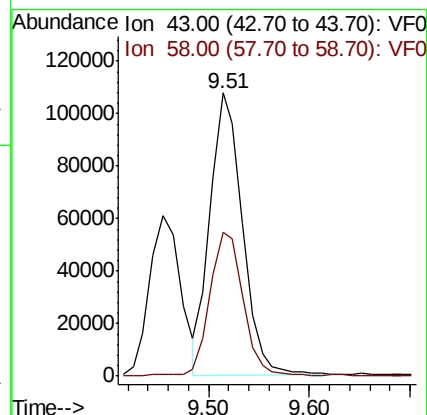
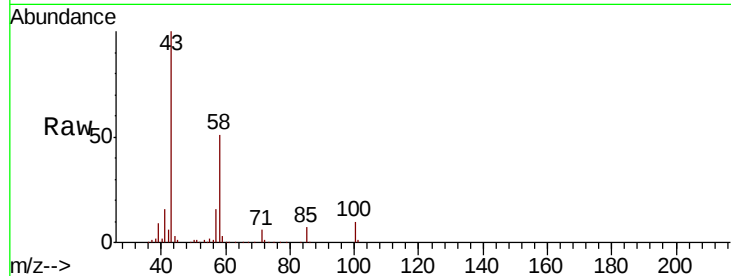




#59
2-Hexanone
Concen: 257.859 ug/l
RT: 9.51 min Scan# 901
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

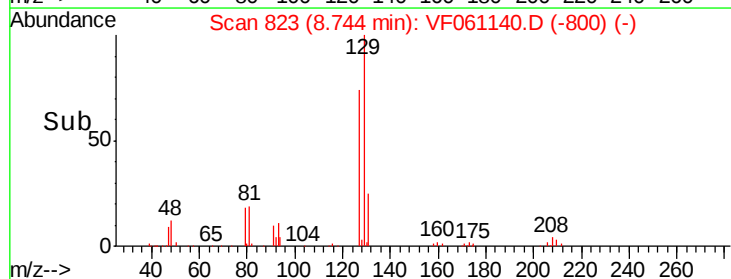
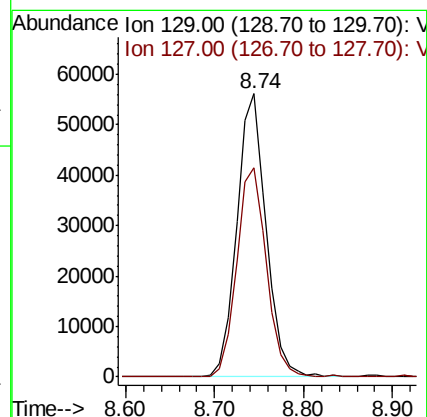
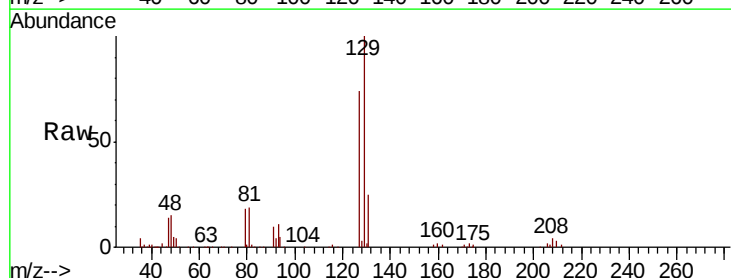
Instrument :
MSVOA_F
ClientSampleId :

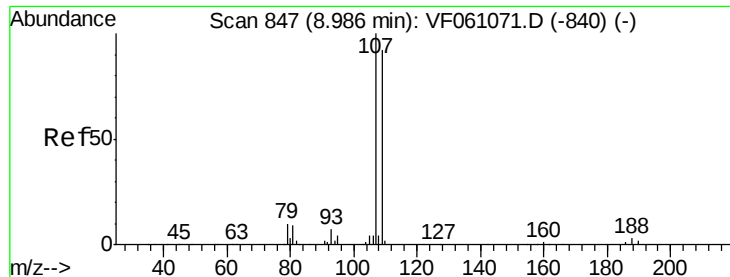
Tot Ion: 43 Resp: 241029
Ion Ratio Lower Upper
43 100
58 51.0 25.1 75.2



#60
Dibromochloromethane
Concen: 53.810 ug/l
RT: 8.74 min Scan# 823
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Tgt Ion:129 Resp: 128483
Ion Ratio Lower Upper
129 100
127 74.0 36.8 110.3





#61

1,2-Dibromoethane

Concen: 55.327 ug/l

RT: 9.01 min Scan# 850

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

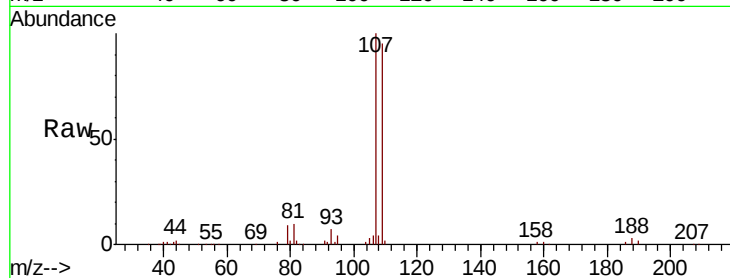
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:107 Resp: 98423

Ion Ratio Lower Upper

107 100

109 94.7 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.01

50000

40000

30000

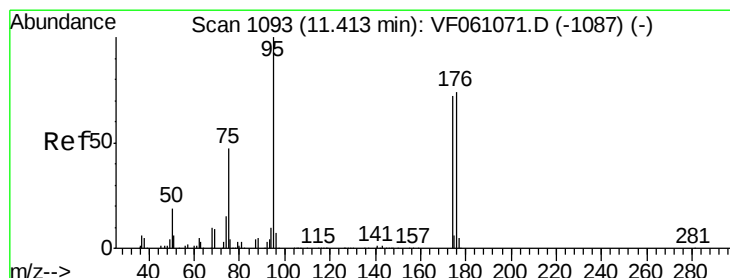
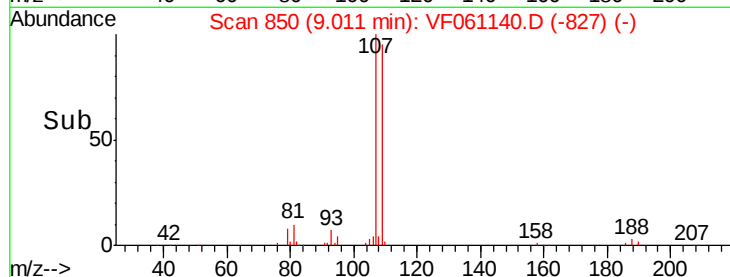
20000

10000

0

Time-->

8.90 9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 49.419 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

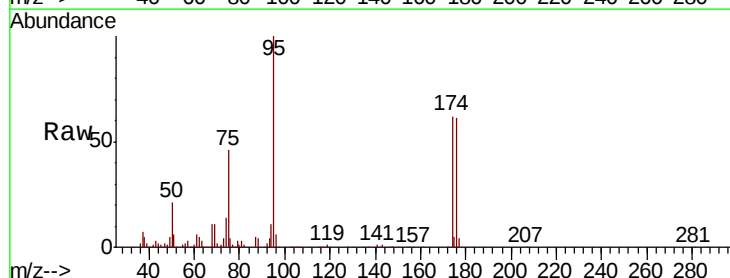
Tgt Ion: 95 Resp: 167240

Ion Ratio Lower Upper

95 100

174 62.0 0.0 143.8

176 60.9 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

11.43

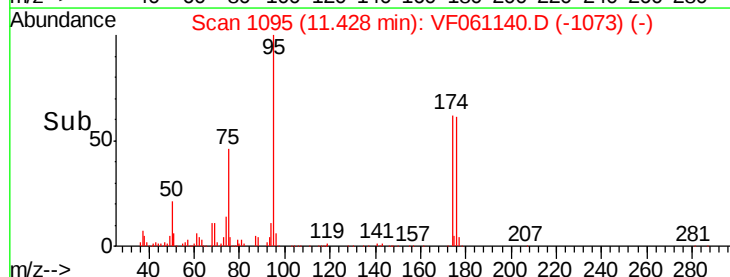
100000

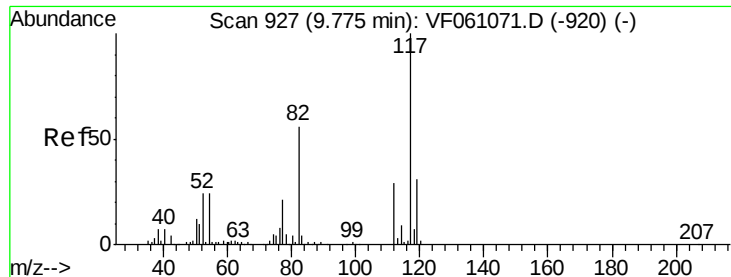
50000

0

Time-->

11.30 11.40 11.50 11.60

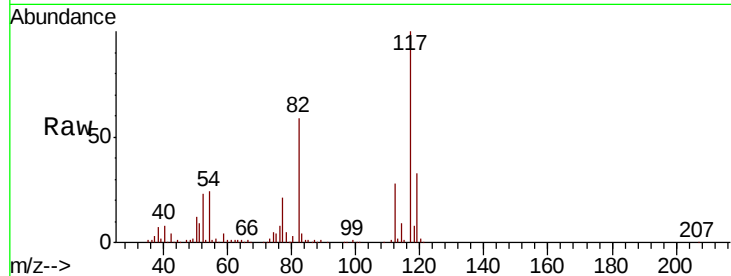




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	45.0	67.4
119	32.9	24.8	37.2

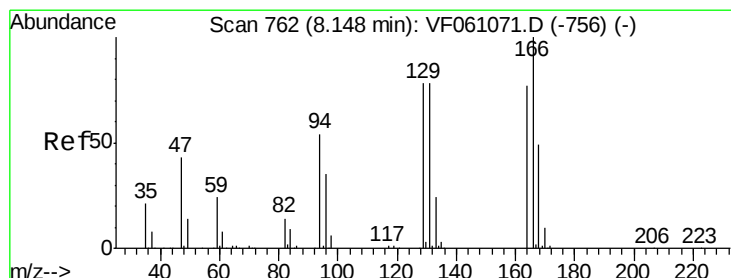
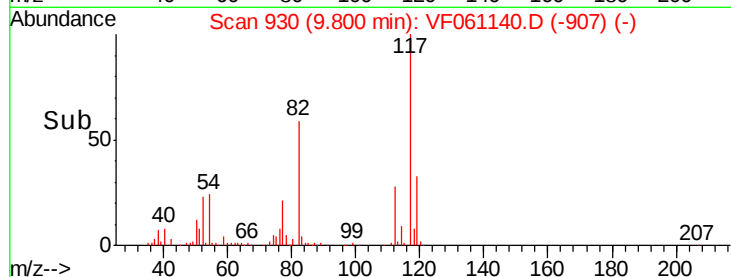
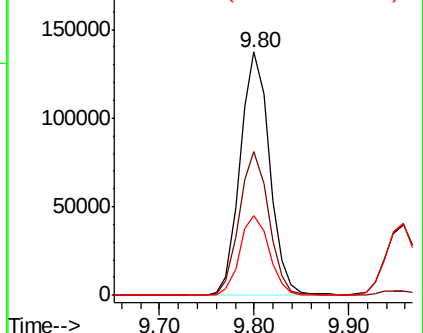


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 62.020 ug/l
RT: 8.18 min Scan# 766
Delta R.T. 0.03 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	104.0	156.0
129	91.9	81.1	121.7
131	92.1	81.2	121.8

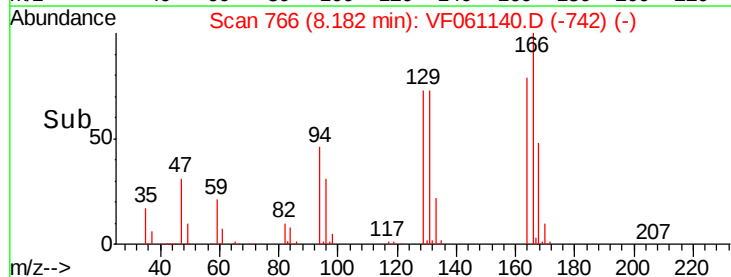
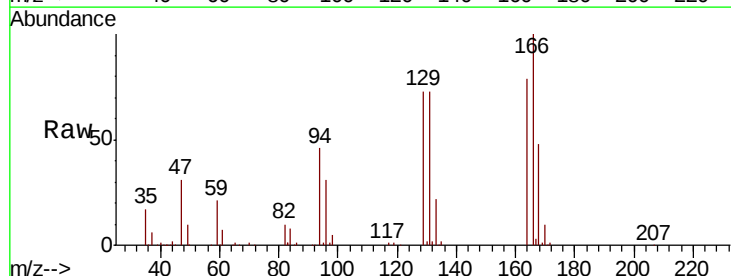
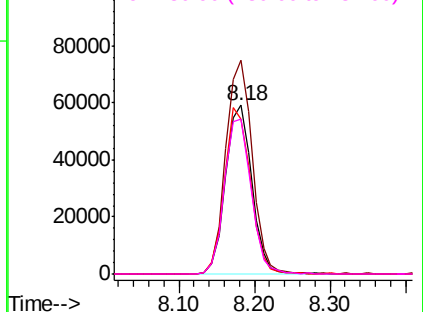
Abundance

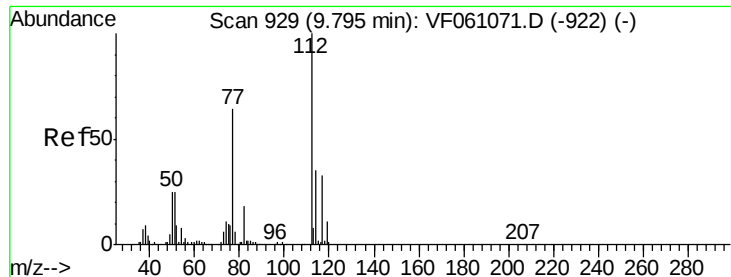
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

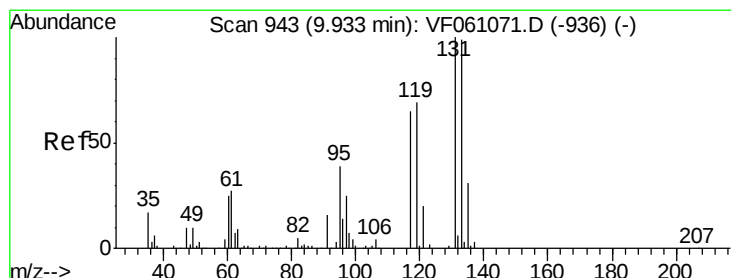
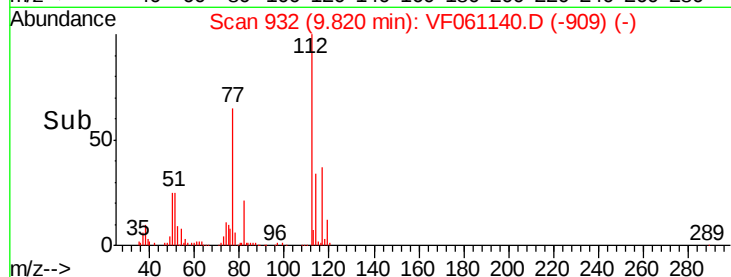
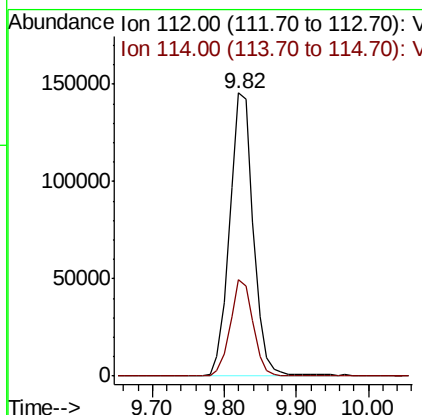
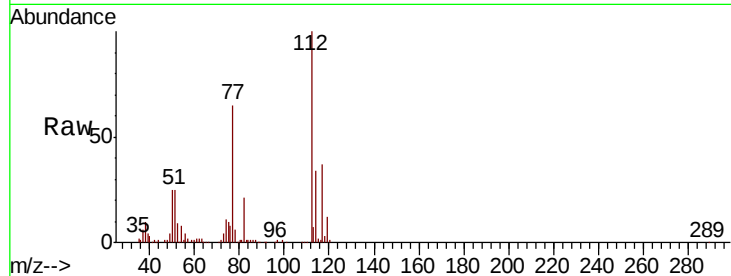




#65
Chlorobenzene
Concen: 54.347 ug/l
RT: 9.82 min Scan# 932
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

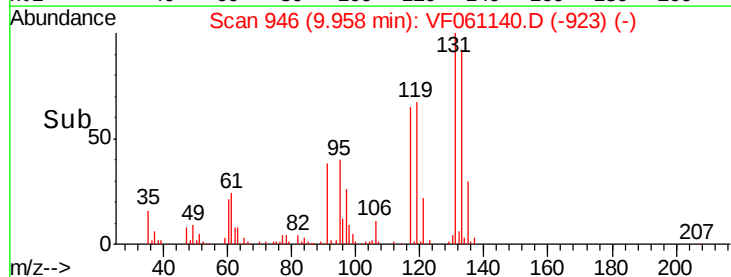
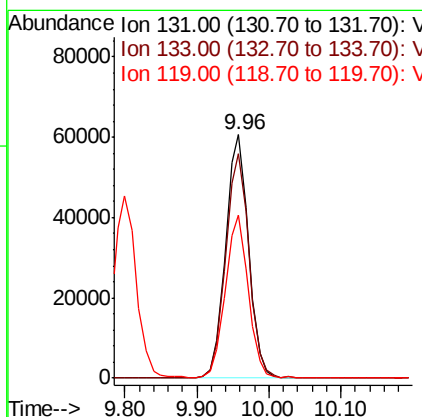
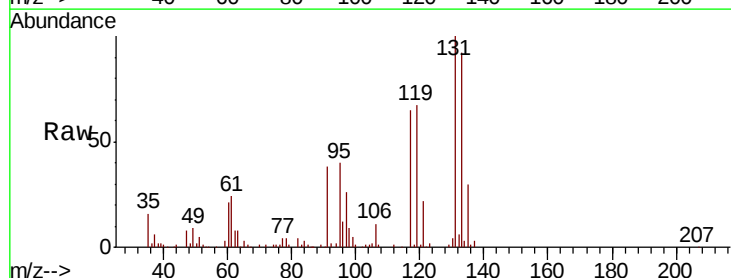
Instrument :
MSVOA_F
ClientSampleId :

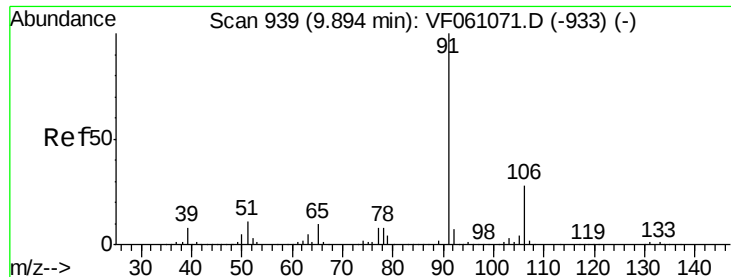
Tot Ion:112 Resp: 334489
Ion Ratio Lower Upper
112 100
114 34.0 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.252 ug/l
RT: 9.96 min Scan# 946
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Tgt Ion:131 Resp: 133937
Ion Ratio Lower Upper
131 100
133 92.4 49.5 148.7
119 67.1 34.5 103.5

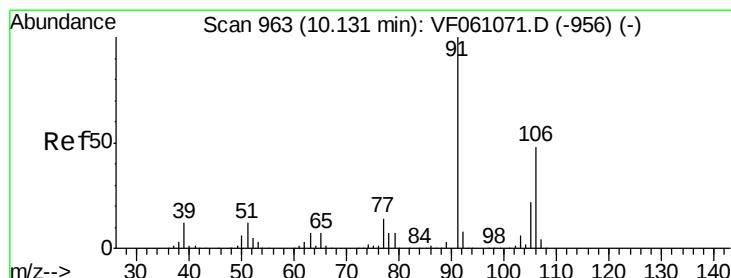
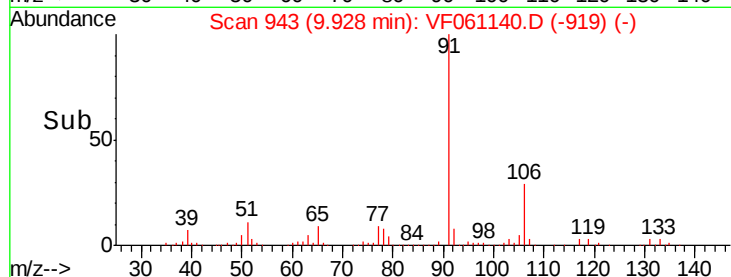
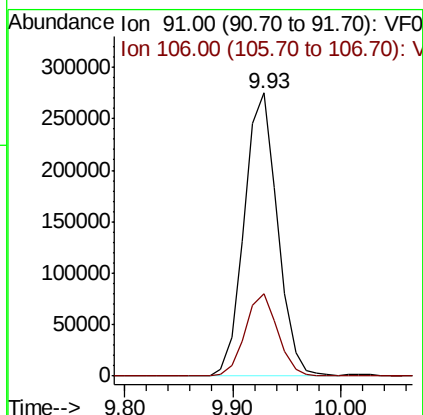
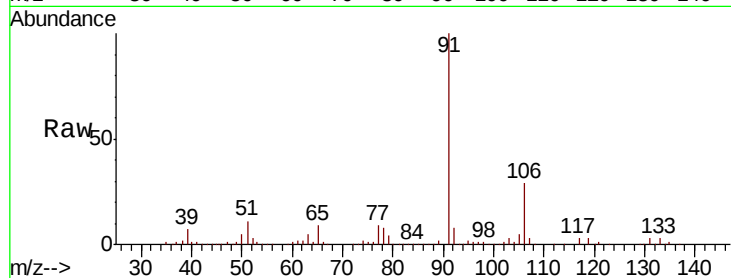




#67
Ethyl Benzene
Concen: 52.421 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.03 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

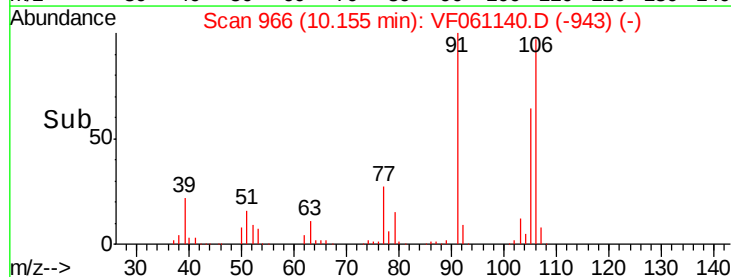
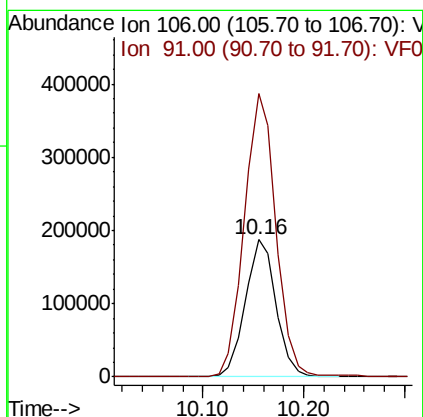
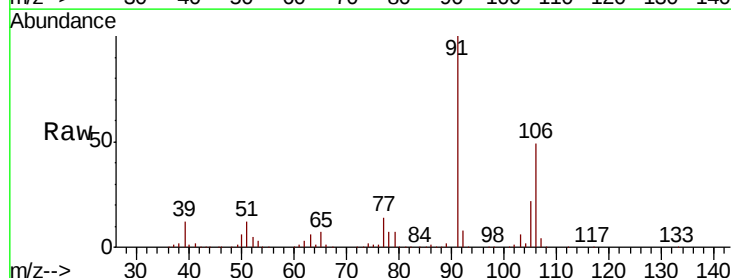
Instrument :
MSVOA_F
ClientSampleId :

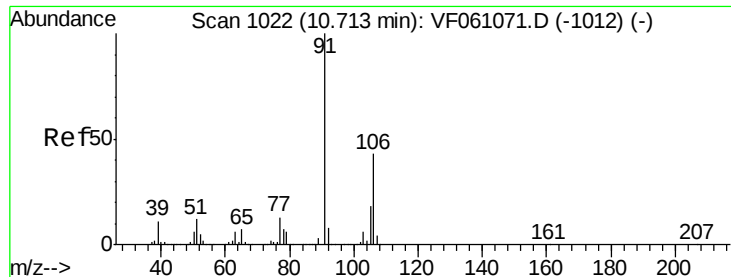
Tot Ion: 91 Resp: 587775
Ion Ratio Lower Upper
91 100
106 29.0 22.5 33.7



#68
m/p-Xylenes
Concen: 101.057 ug/l
RT: 10.16 min Scan# 966
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Tgt Ion: 106 Resp: 398770
Ion Ratio Lower Upper
106 100
91 206.0 168.2 252.2

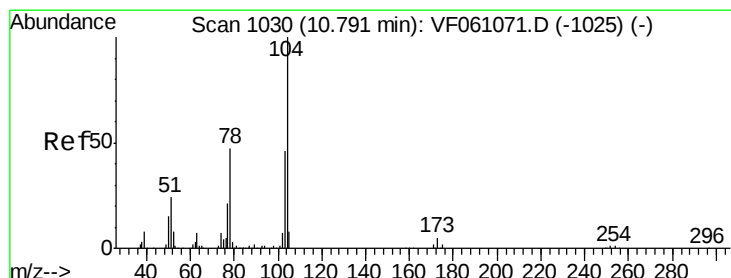
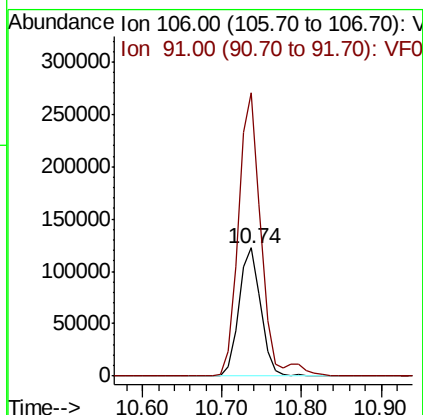
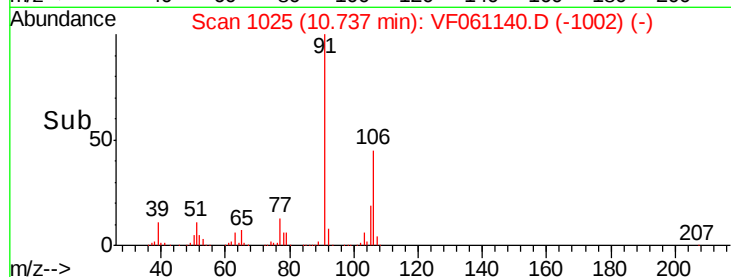
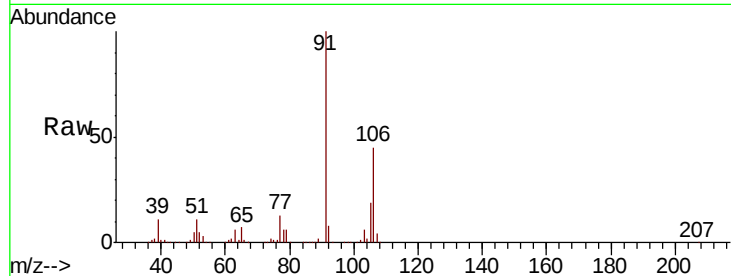




#69
o-Xylene
Concen: 53.352 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

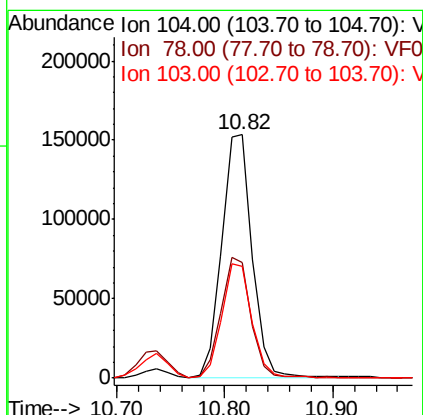
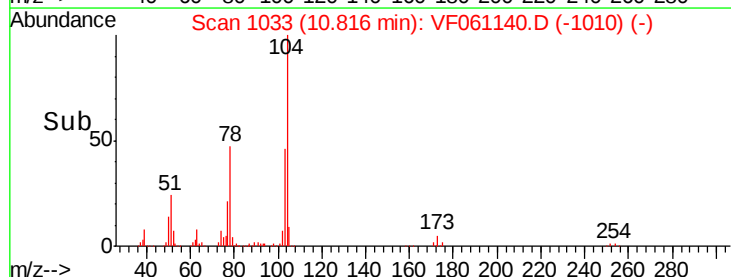
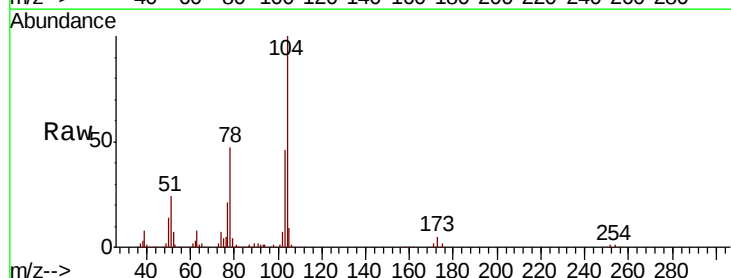
Instrument :
MSVOA_F
ClientSampled :

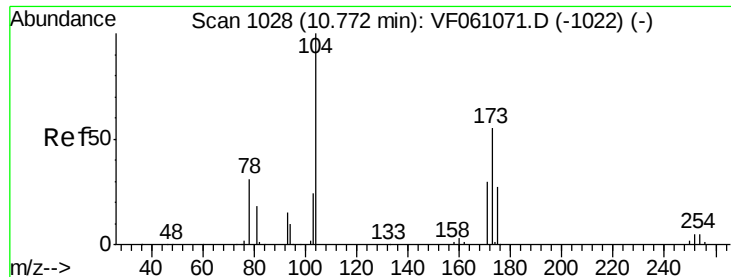
Tot Ion:106 Resp: 233489
Ion Ratio Lower Upper
106 100
91 220.9 115.9 347.7



#70
Styrene
Concen: 56.662 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Tgt Ion:104 Resp: 298696
Ion Ratio Lower Upper
104 100
78 47.4 38.4 57.6
103 46.0 37.0 55.6





#71

Bromoform

Concen: 54.161 ug/l

RT: 10.80 min Scan# 1031

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

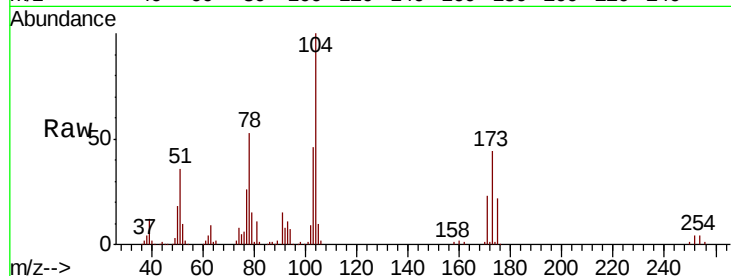
Tot Ion:173 Resp: 63023

Ion Ratio Lower Upper

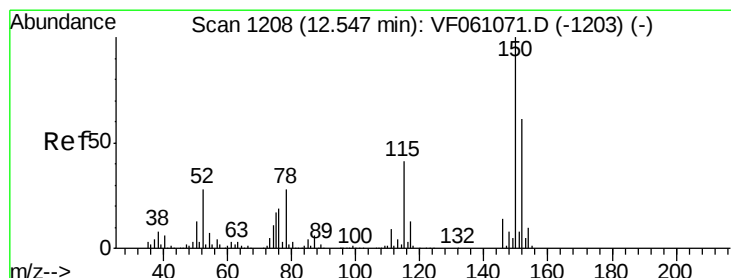
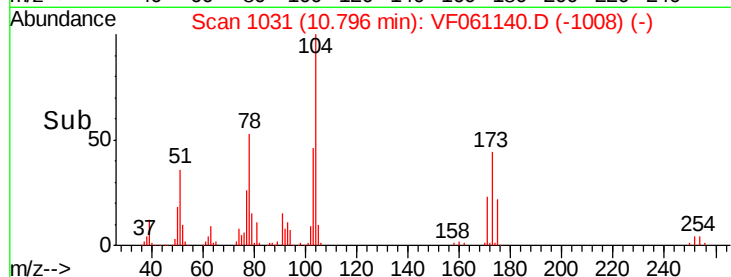
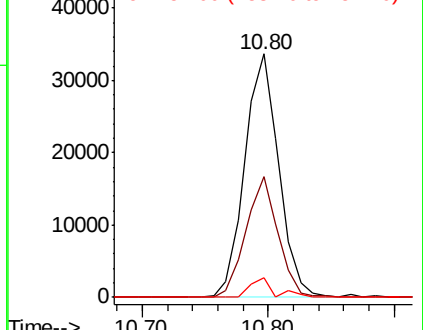
173 100

175 49.7 24.8 74.4

254 8.2 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: 12.57 min Scan# 1211

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

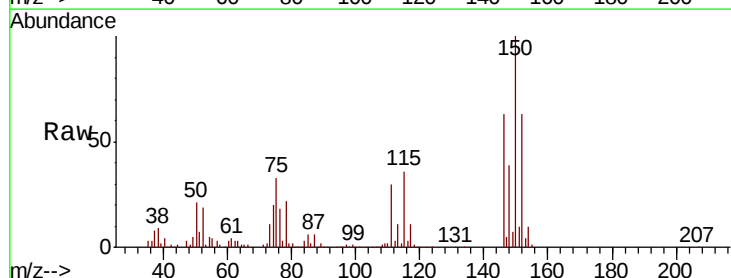
Tgt Ion:152 Resp: 136222

Ion Ratio Lower Upper

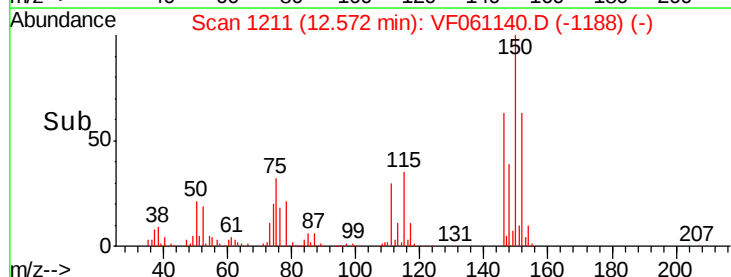
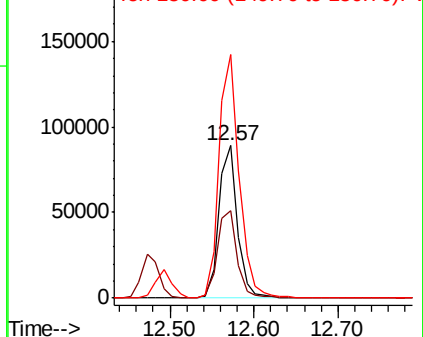
152 100

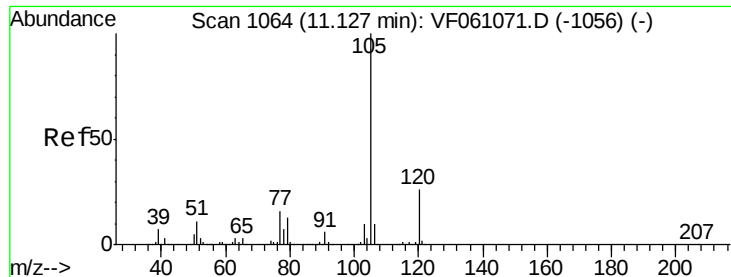
115 57.3 33.3 99.9

150 159.8 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: 56.829 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :

MSVOA_F

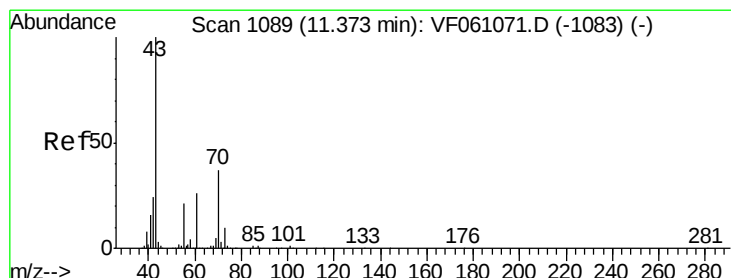
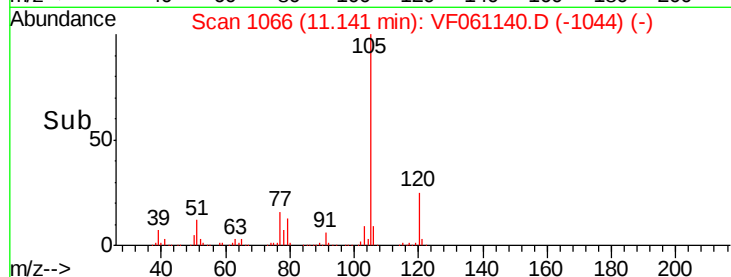
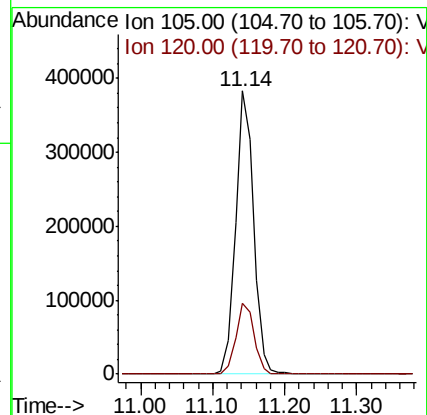
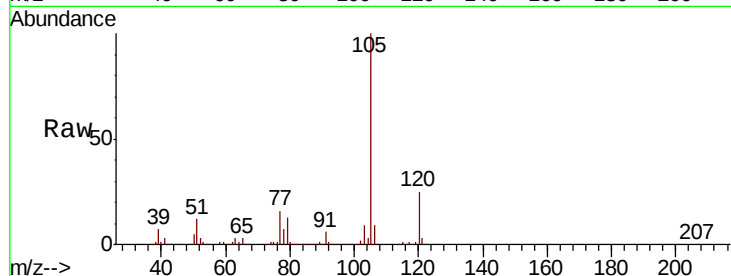
ClientSampleId :

Tot Ion:105 Resp: 667117

Ion Ratio Lower Upper

105 100

120 24.9 13.0 39.0



#74

N-ethyl acetate

Concen: 59.640 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Tgt Ion: 43 Resp: 155437

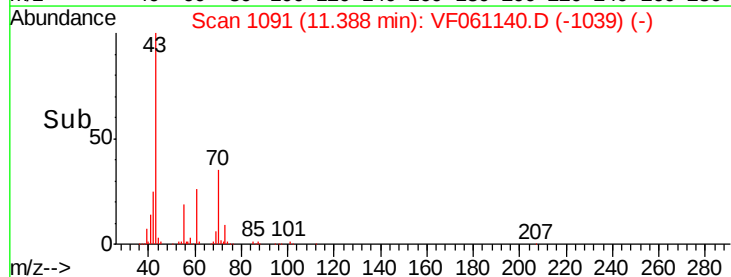
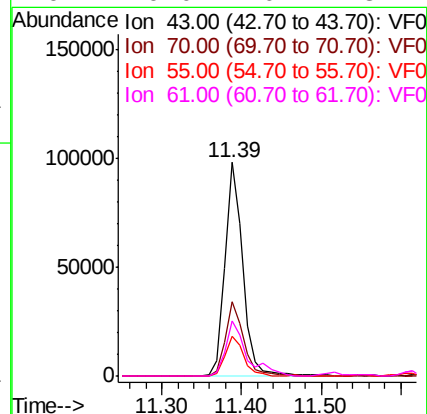
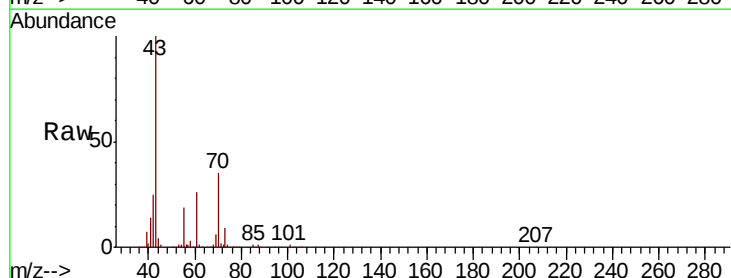
Ion Ratio Lower Upper

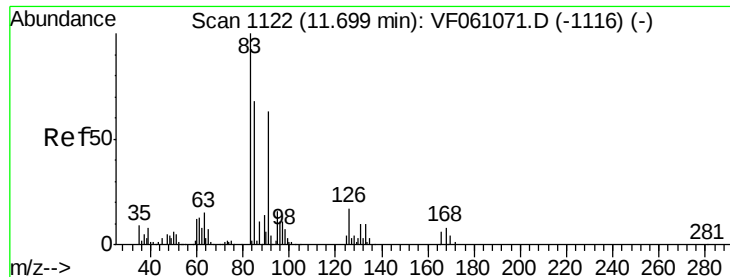
43 100

70 34.5 29.2 43.8

55 18.9 16.5 24.7

61 26.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 60.611 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

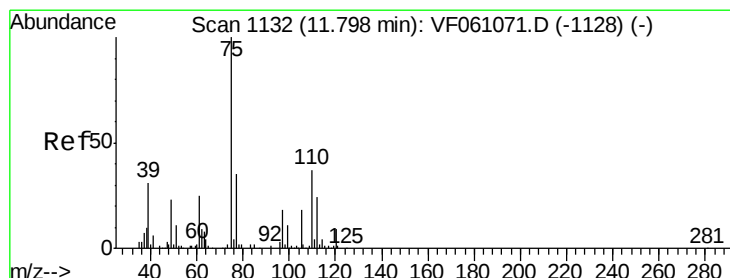
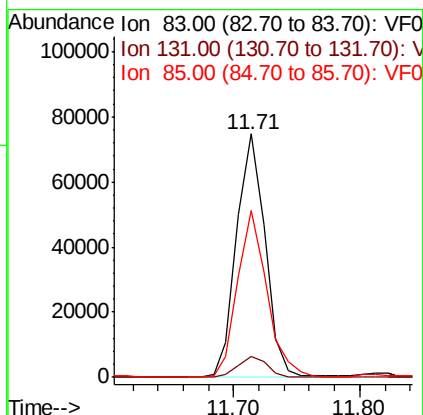
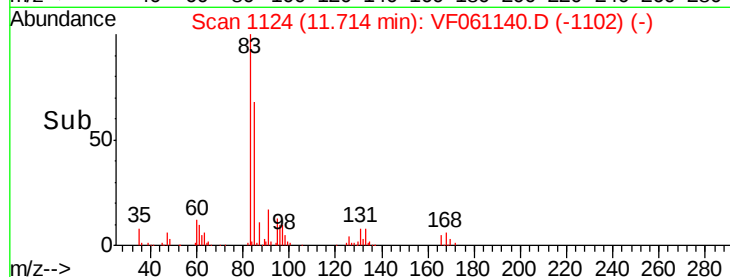
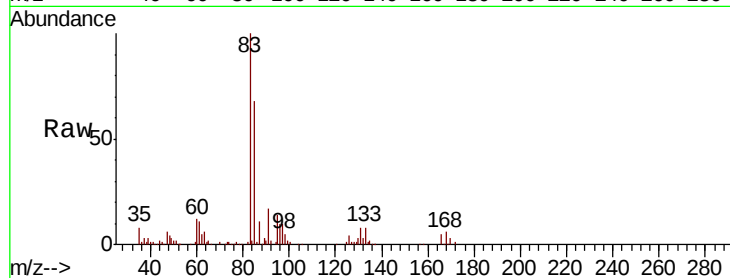
Tot Ion: 83 Resp: 118087

Ion Ratio Lower Upper

83 100

131 8.5 4.8 14.3

85 68.4 33.9 101.6



#76

1,2,3-Trichloropropane

Concen: 55.489 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VF061140.D

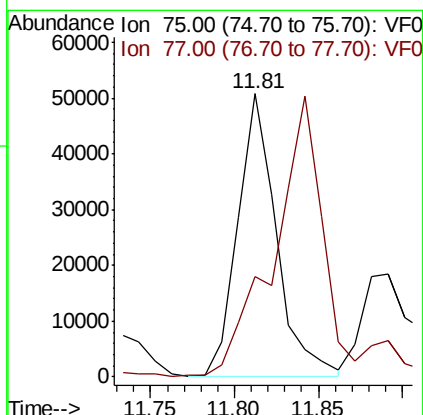
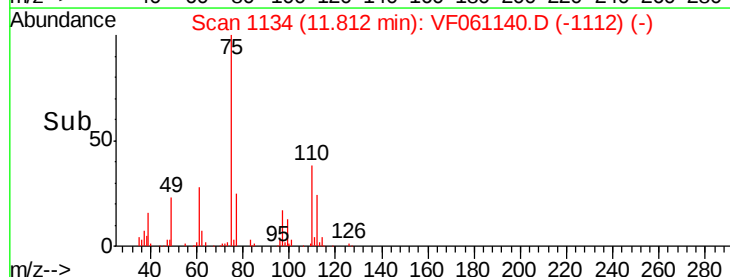
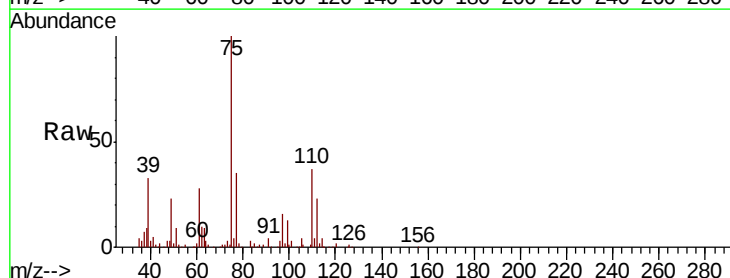
Acq: 22 Dec 2018 12:49

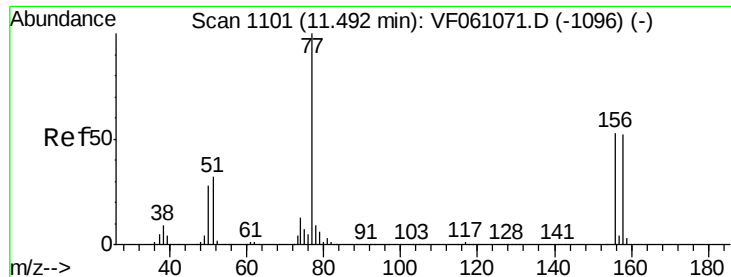
Tgt Ion: 75 Resp: 80454

Ion Ratio Lower Upper

75 100

77 35.3 17.6 52.9





#77

Bromobenzene

Concen: 54.192 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

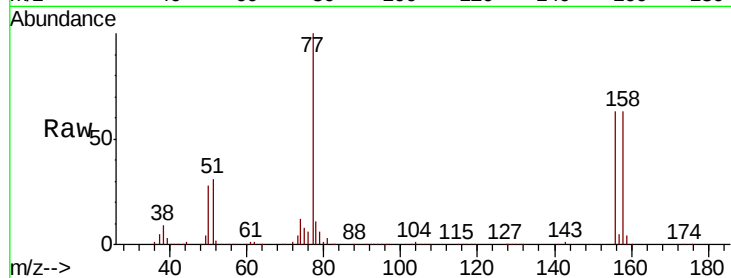
Tot Ion:156 Resp: 136944

Ion Ratio Lower Upper

156 100

77 159.6 93.8 281.4

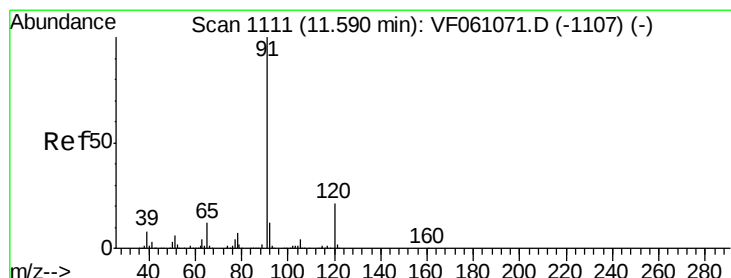
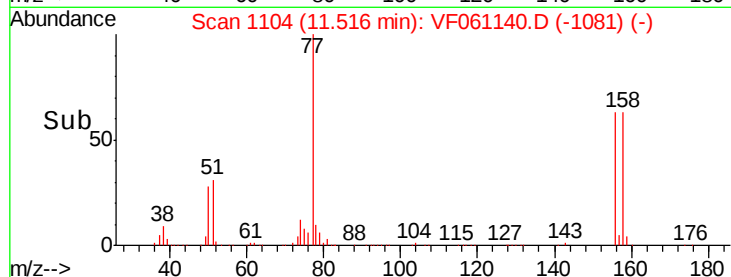
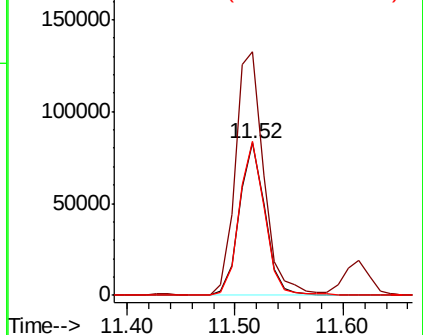
158 101.0 48.9 146.8



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: 57.963 ug/l

RT: 11.61 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VF061140.D

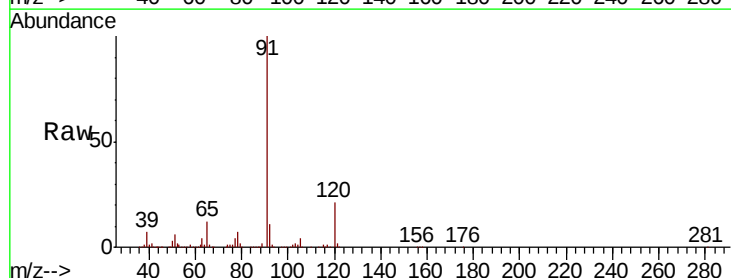
Acq: 22 Dec 2018 12:49

Tgt Ion: 91 Resp: 757525

Ion Ratio Lower Upper

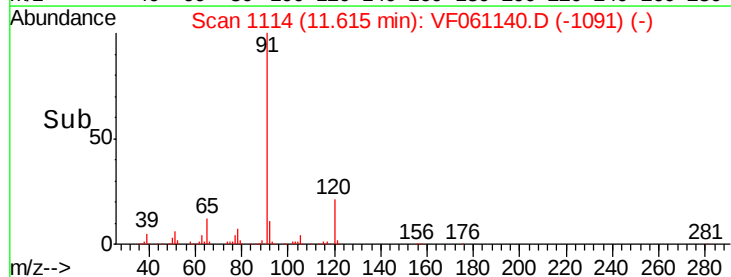
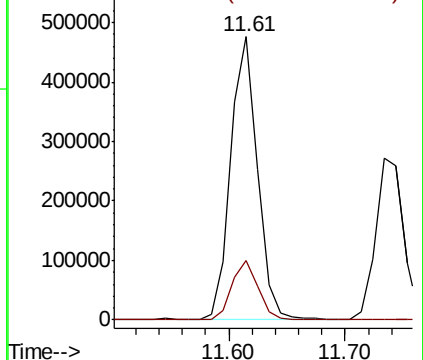
91 100

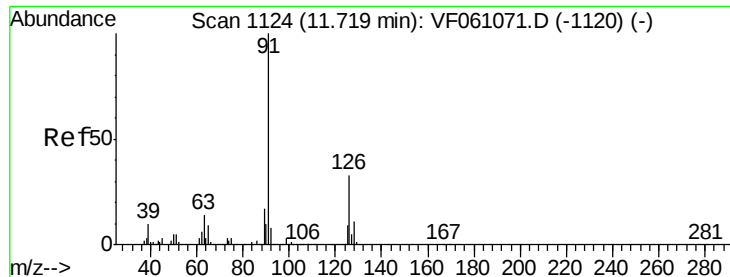
120 21.1 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.914 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :

MSVOA_F

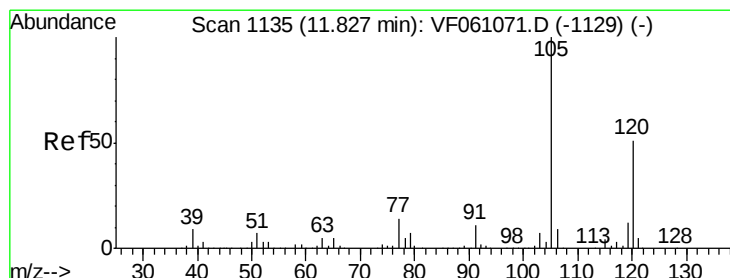
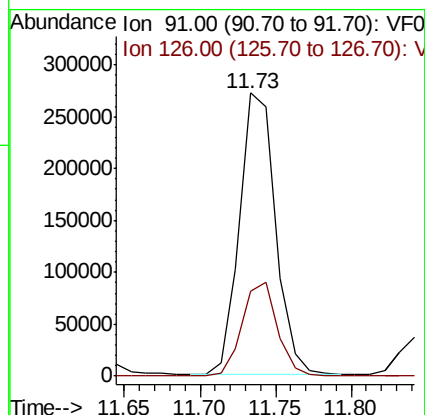
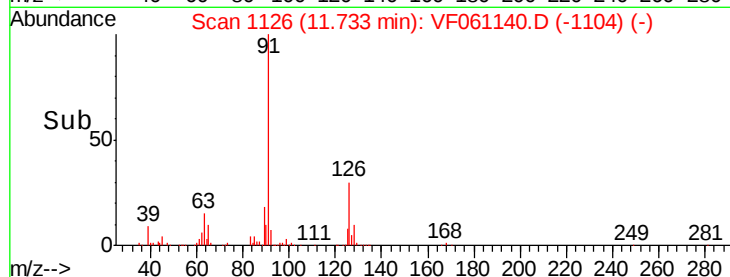
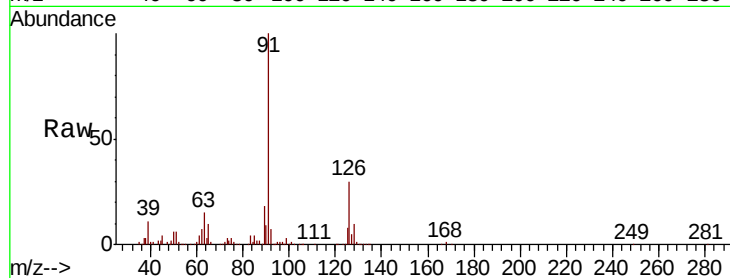
ClientSampleId :

Tot Ion: 91 Resp: 450269

Ion Ratio Lower Upper

91 100

126 29.9 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 53.348 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VF061140.D

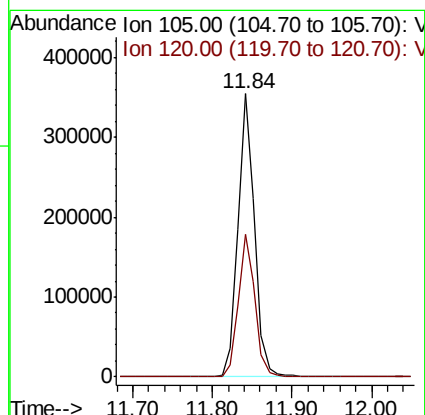
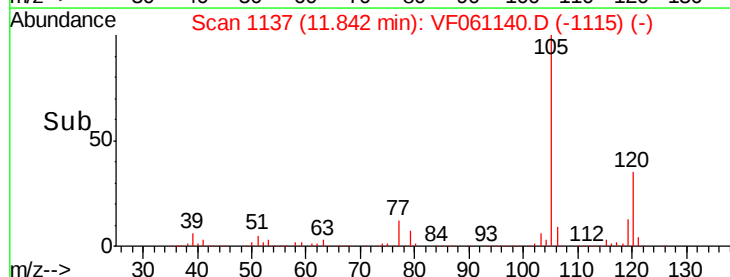
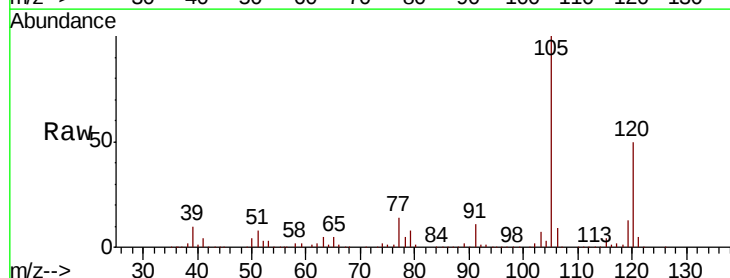
Acq: 22 Dec 2018 12:49

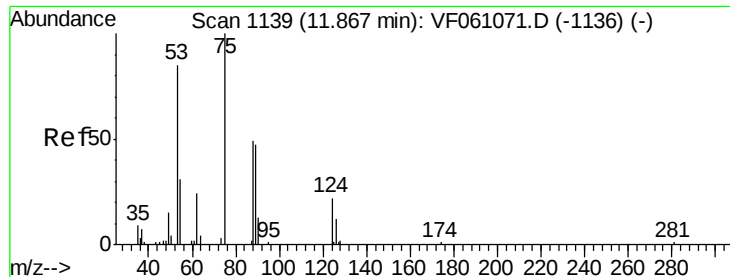
Tgt Ion: 105 Resp: 515667

Ion Ratio Lower Upper

105 100

120 50.2 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 71.468 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

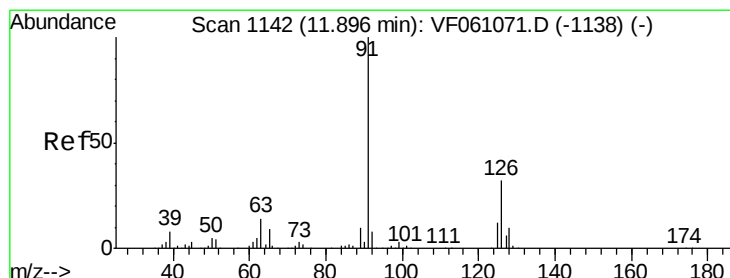
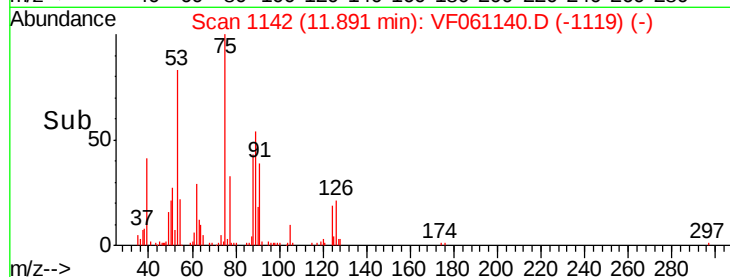
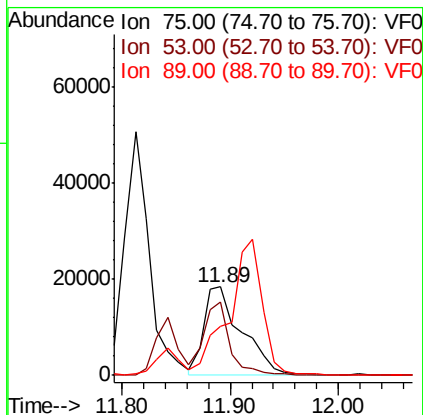
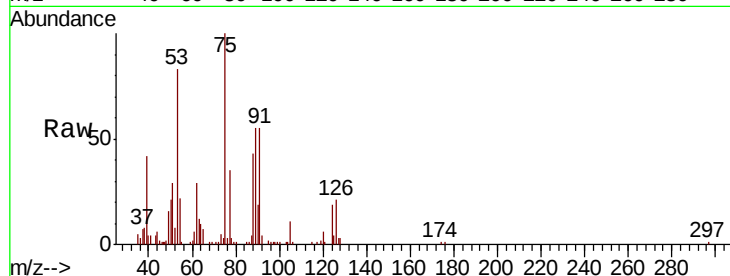
Tot Ion: 75 Resp: 44527

Ion Ratio Lower Upper

75 100

53 83.5 74.1 111.1

89 55.0 42.6 64.0



#82

4-Chlorotoluene

Concen: 51.948 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.02 min

Lab File: VF061140.D

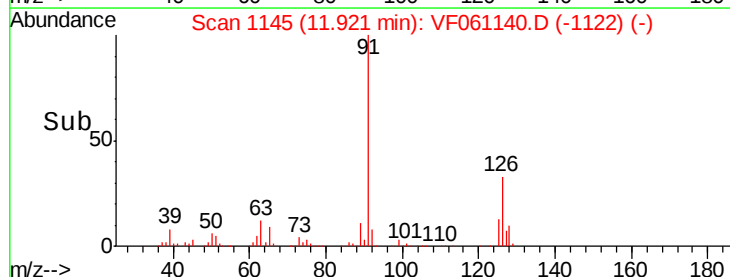
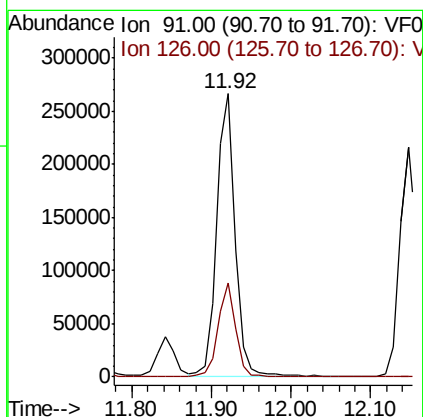
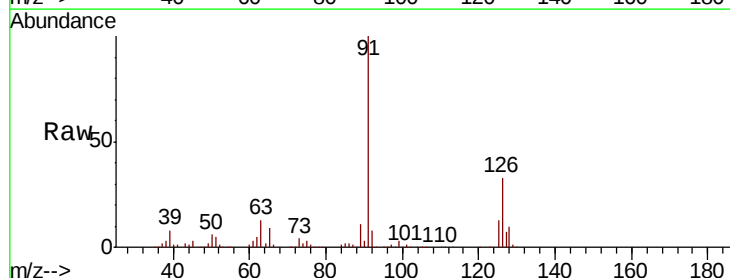
Acq: 22 Dec 2018 12:49

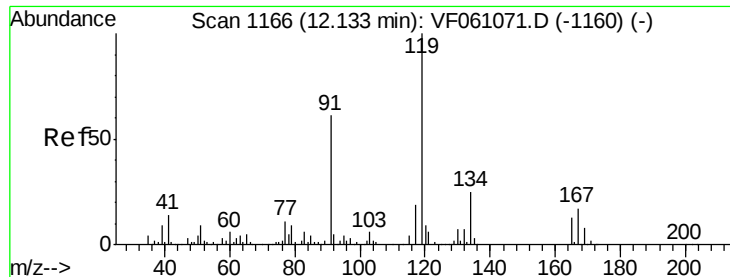
Tgt Ion: 91 Resp: 432757

Ion Ratio Lower Upper

91 100

126 33.0 16.0 47.9

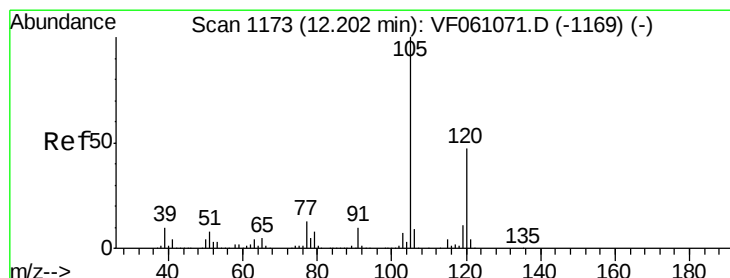
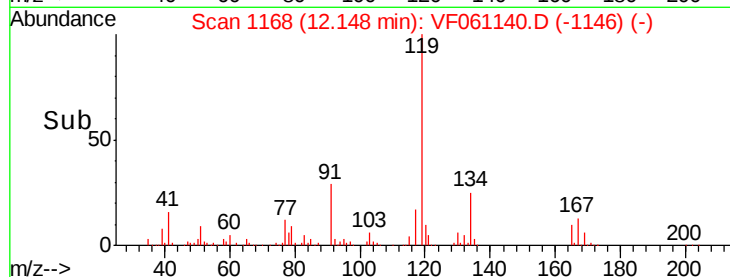
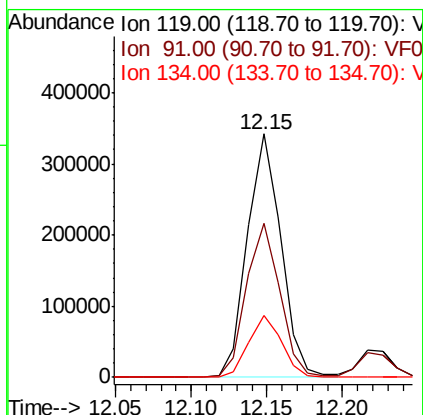
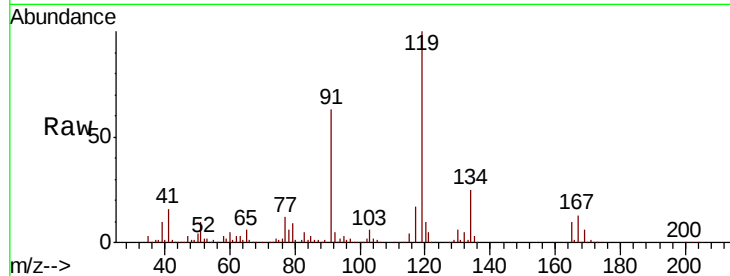




#83
tert-Butylbenzene
Concen: 53.747 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. 0.01 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

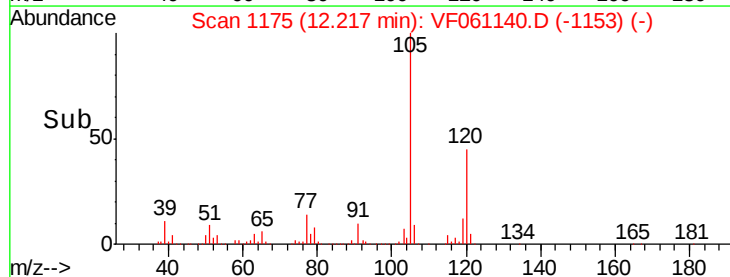
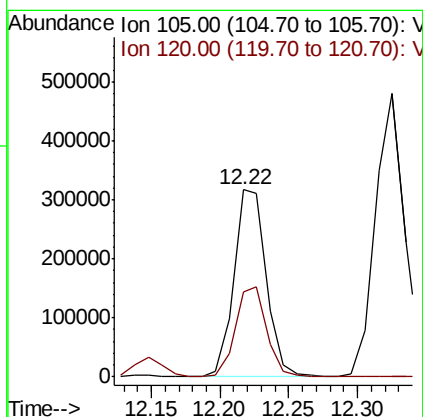
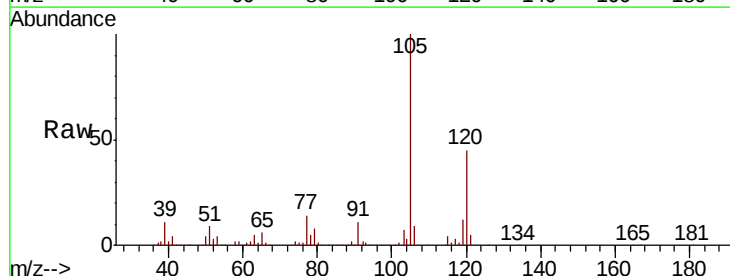
Instrument :
MSVOA_F
ClientSampleId :

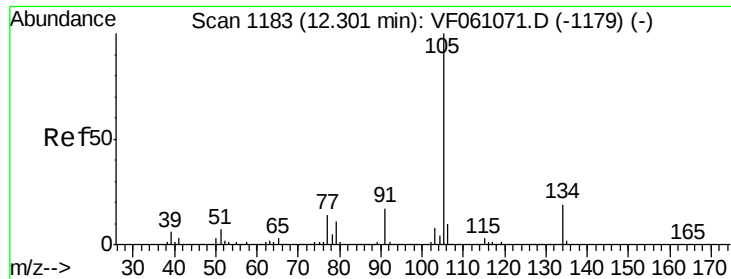
Tot Ion:119 Resp: 534602
Ion Ratio Lower Upper
119 100
91 63.1 30.5 91.5
134 25.3 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 53.532 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Tgt Ion:105 Resp: 516003
Ion Ratio Lower Upper
105 100
120 45.2 23.6 71.0





#85

sec-Butylbenzene

Concen: 55.212 ug/l

RT: 12.33 min Scan# 1186

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

Instrument :

MSVOA_F

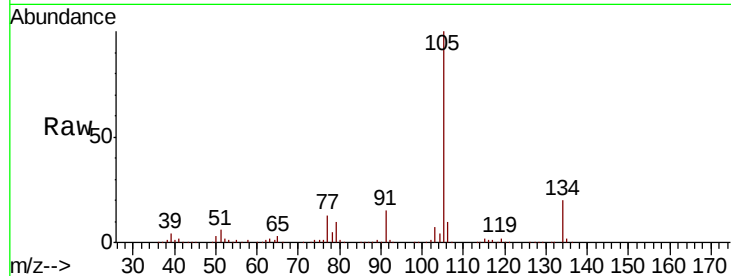
ClientSampleId :

Tot Ion:105 Resp: 716682

Ion Ratio Lower Upper

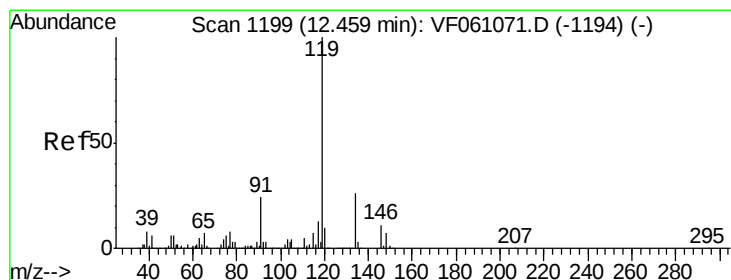
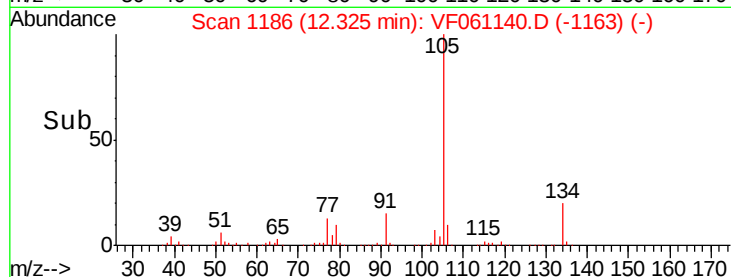
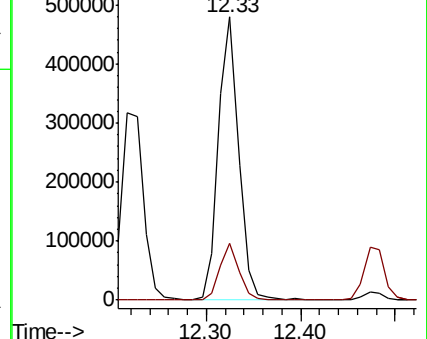
105 100

134 19.9 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.340 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VF061140.D

Acq: 22 Dec 2018 12:49

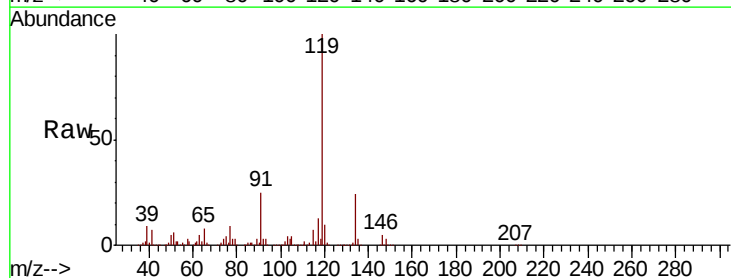
Tgt Ion:119 Resp: 553162

Ion Ratio Lower Upper

119 100

134 24.3 12.8 38.4

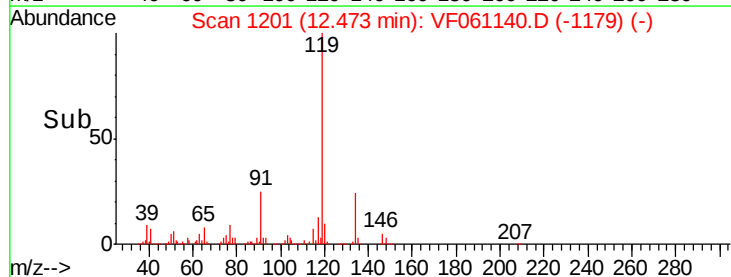
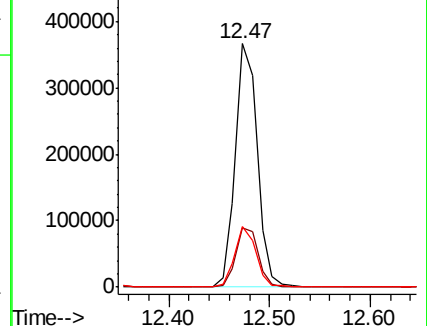
91 25.1 12.2 36.6

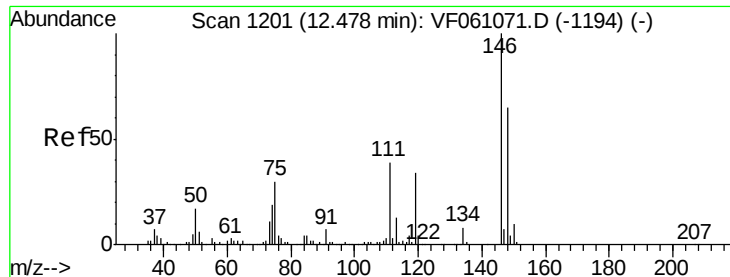


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

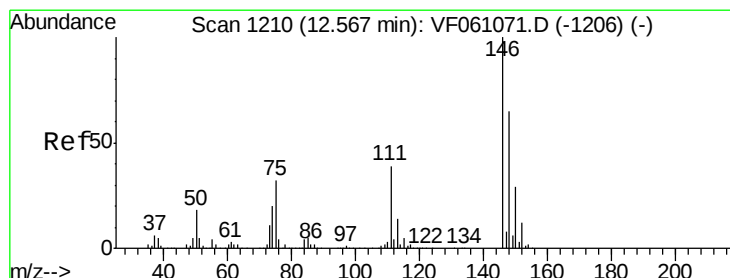
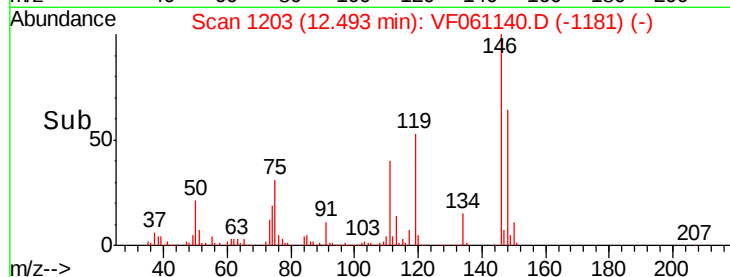
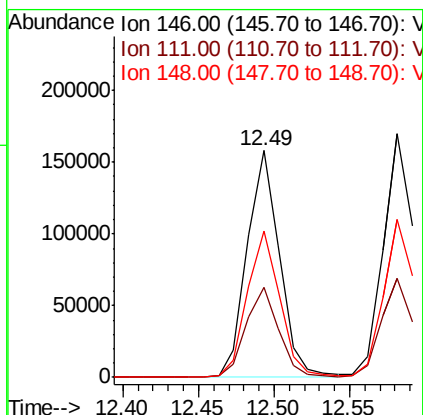
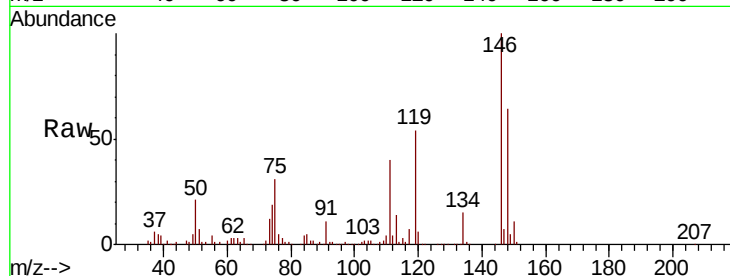




#87
 1,3-Dichlorobenzene
 Concen: 58.581 ug/l
 RT: 12.49 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

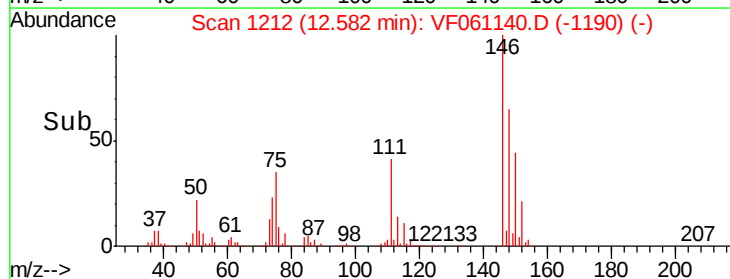
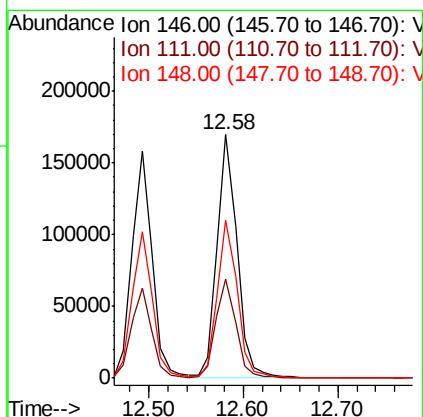
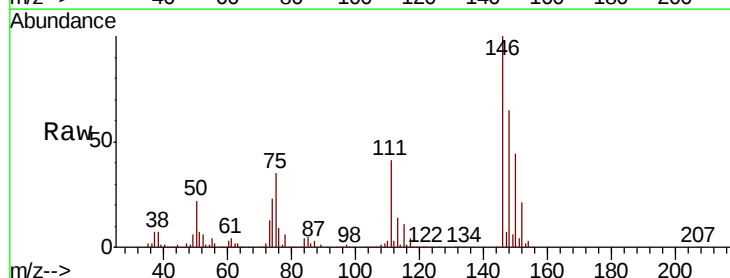
Instrument :
 MSVOA_F
 ClientSampled :

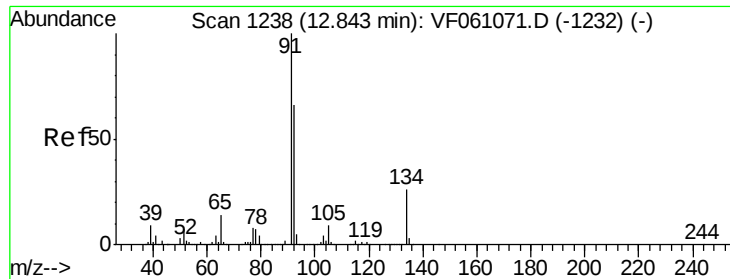
Tot Ion:146 Resp: 237778
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.3 57.9
 148 64.4 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 53.926 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. 0.01 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Tgt Ion:146 Resp: 250228
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.4 58.4
 148 64.7 32.4 97.0

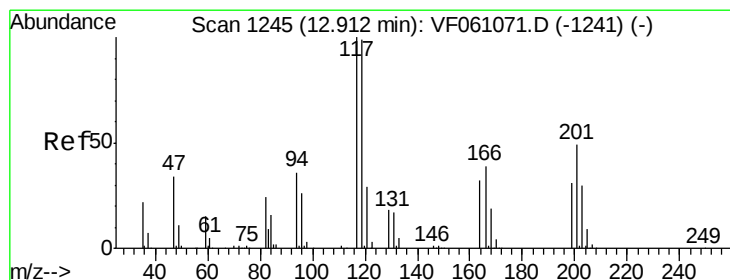
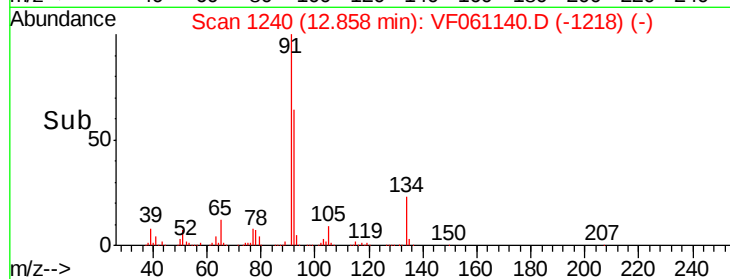
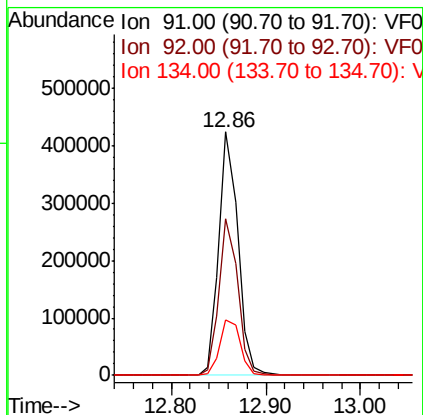
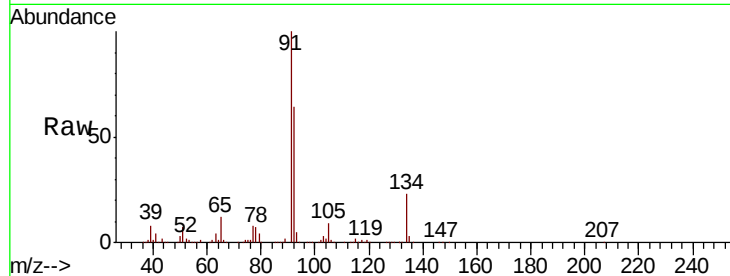




#89
n-Butylbenzene
Concen: 56.830 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

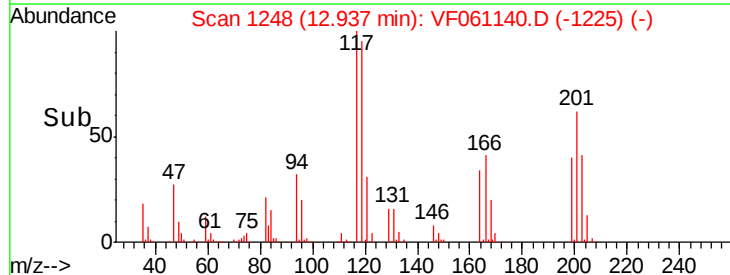
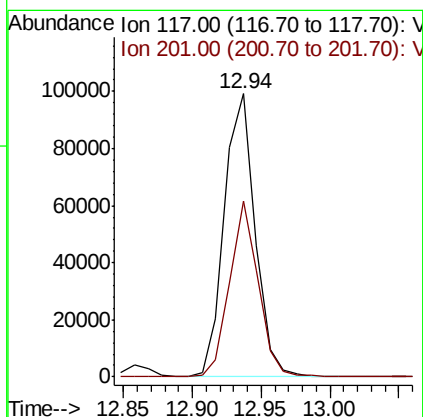
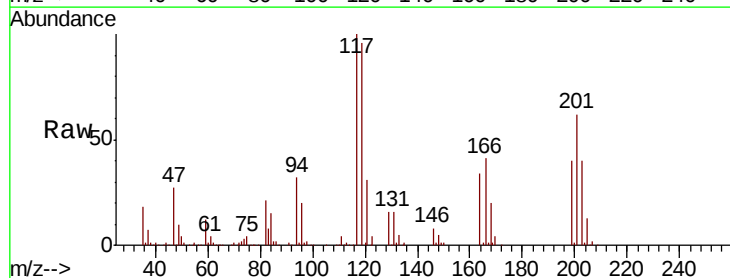
Instrument :
MSVOA_F
ClientSampleId :

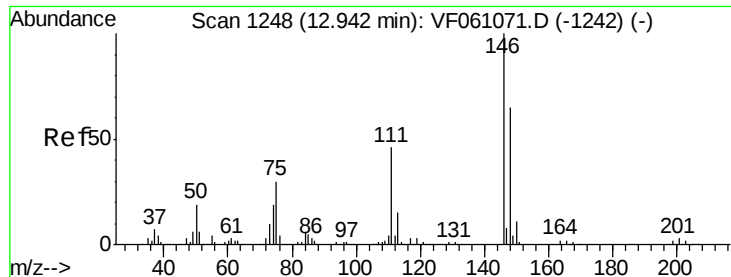
Tot Ion: 91 Resp: 598490
Ion Ratio Lower Upper
91 100
92 64.2 32.8 98.4
134 22.8 13.2 39.5



#90
Hexachloroethane
Concen: 57.947 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Tgt Ion: 117 Resp: 154253
Ion Ratio Lower Upper
117 100
201 62.2 24.9 74.8

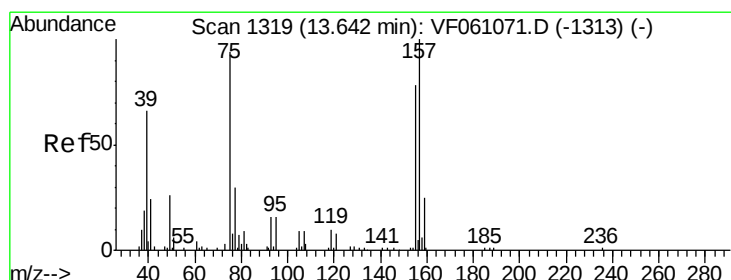
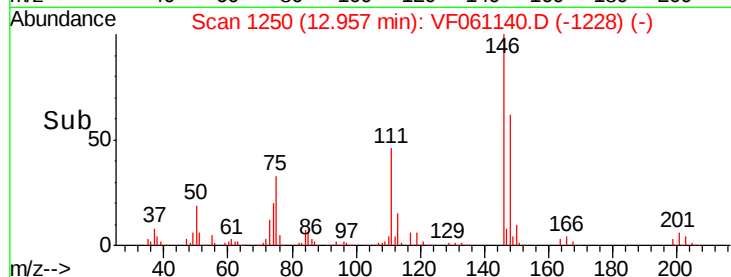
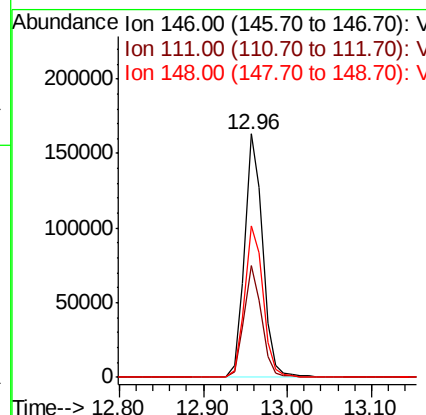
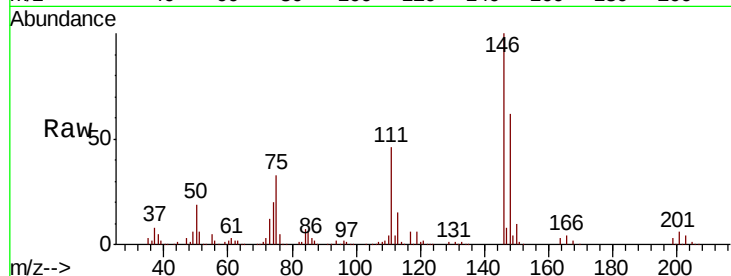




#91
 1,2-Dichlorobenzene
 Concen: 54.315 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

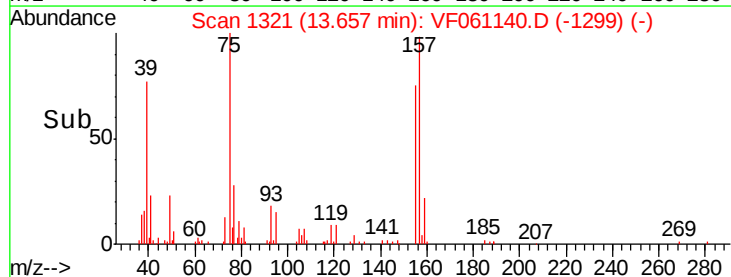
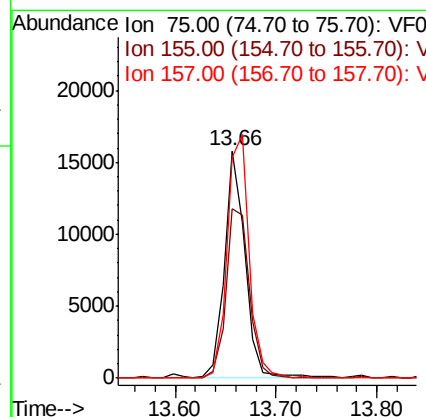
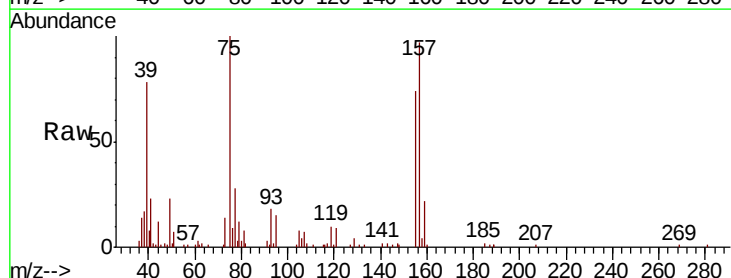
Instrument :
 MSVOA_F
 ClientSampleId :

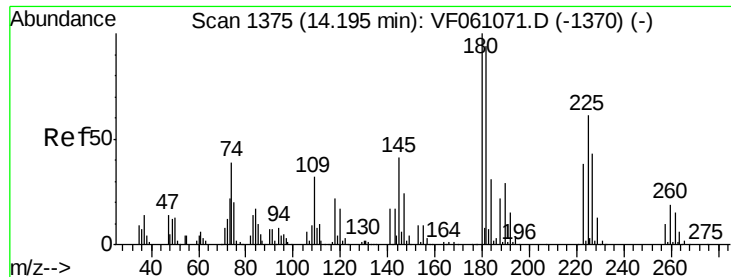
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.2	69.5
148	62.4	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.709 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.5	41.5	124.5
157	97.2	53.2	159.6

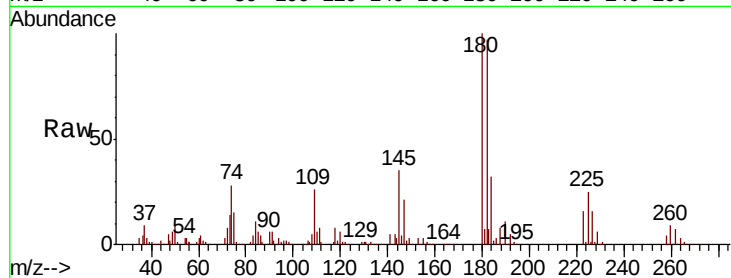




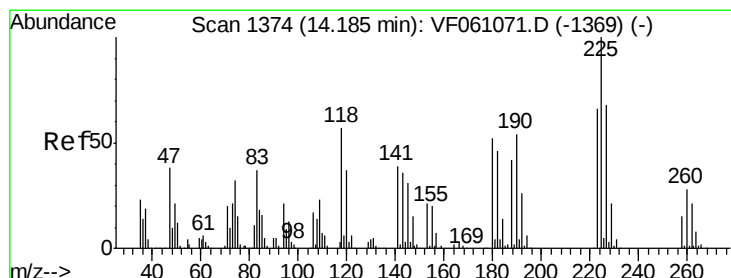
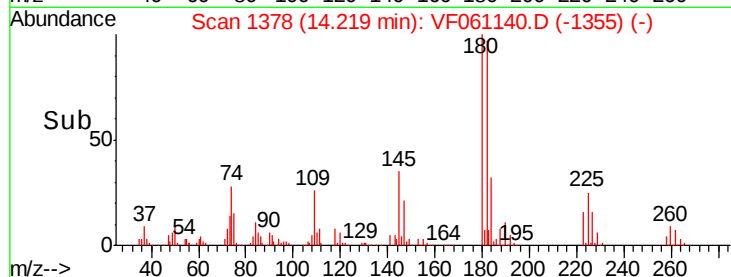
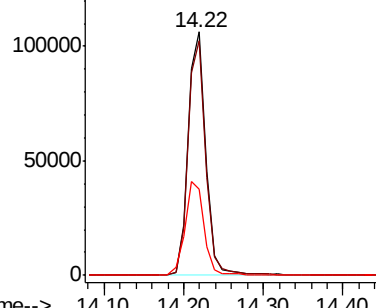
#93
 1,2,4-Trichlorobenzene
 Concen: 52.459 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.02 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 168070
 Ion Ratio Lower Upper
 180 100
 182 96.6 46.9 140.6
 145 35.2 20.5 61.6

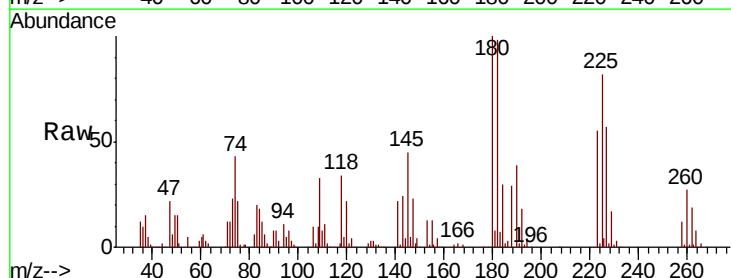


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

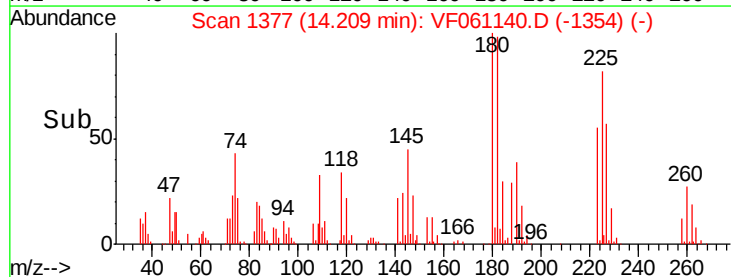
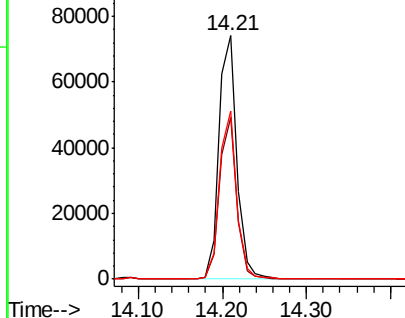


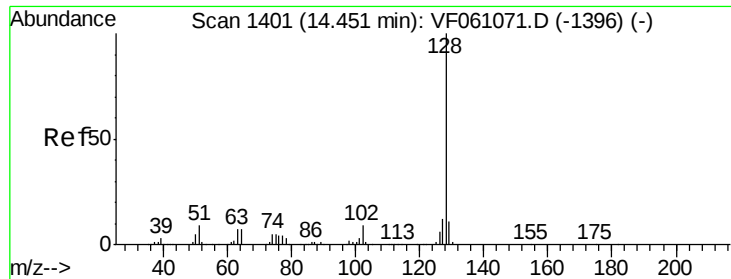
#94
 Hexachlorobutadiene
 Concen: 53.575 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.02 min
 Lab File: VF061140.D
 Acq: 22 Dec 2018 12:49

Tgt Ion:225 Resp: 109324
 Ion Ratio Lower Upper
 225 100
 223 66.5 32.8 98.3
 227 69.2 34.0 101.8



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

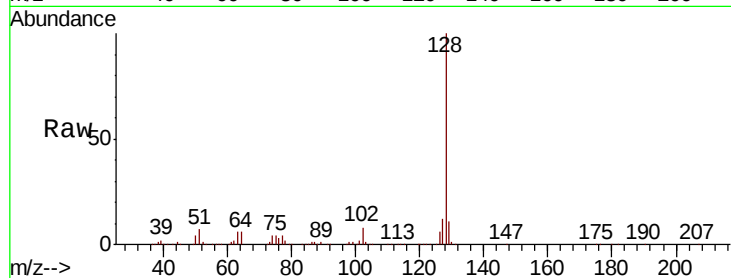




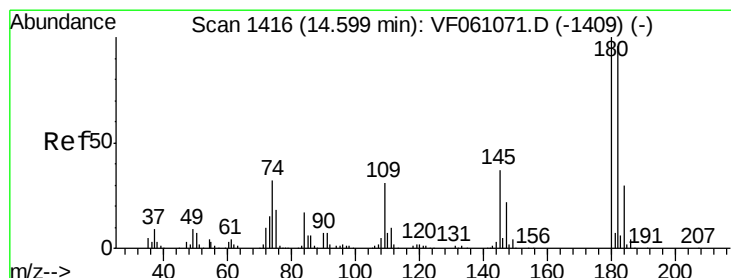
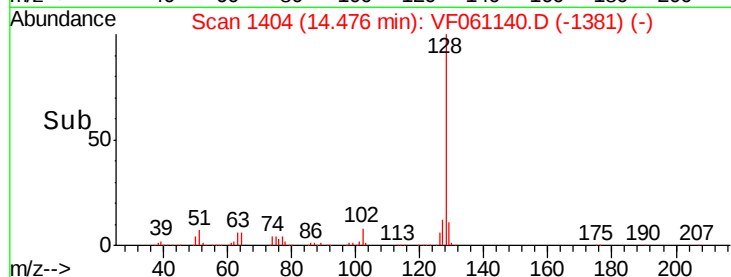
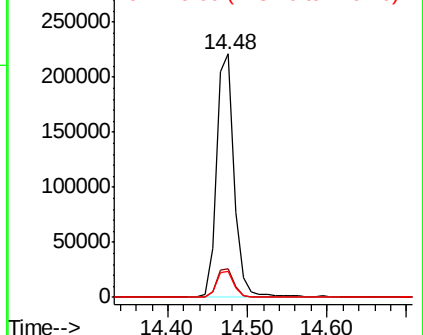
#95
Naphthalene
Concen: 59.537 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.02 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 348315
Ion Ratio Lower Upper
128 100
127 11.9 9.4 14.2
129 10.7 8.8 13.2

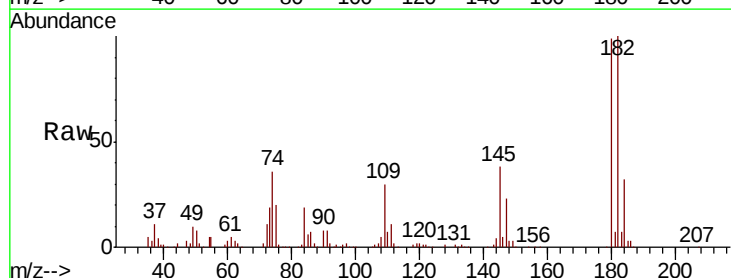


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 54.190 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. 0.01 min
Lab File: VF061140.D
Acq: 22 Dec 2018 12:49

Tgt Ion:180 Resp: 160503
Ion Ratio Lower Upper
180 100
182 101.3 47.9 143.8
145 38.0 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

