

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100918\
 Data File : VF060499.D
 Acq On : 9 Oct 2018 20:03
 Operator : VA/AP
 Sample : VF1009SBS01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Quant Time: Oct 10 02:39:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 02:28:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	254950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	417178	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	345842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	196781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	200609	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
35) Dibromofluoromethane	4.26	113	210721	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
50) Toluene-d8	7.68	98	455715	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.49	95	207217	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	121055	24.725	ug/l	98
3) Chloromethane	1.14	50	72204	23.296	ug/l	92
4) Vinyl Chloride	1.17	62	75865	22.566	ug/l	91
5) Bromomethane	1.36	94	57250	21.654	ug/l	98
6) Chloroethane	1.43	64	40031	22.526	ug/l #	87
7) Trichlorofluoromethane	1.54	101	164137	21.782	ug/l	94
8) Diethyl Ether	1.69	74	24056	22.311	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.88	101	84650	22.457	ug/l	97
10) Methyl Iodide	1.95	142	105368	17.631	ug/l	97
11) Tert butyl alcohol	2.67	59	24765	122.239	ug/l #	94
12) 1,1-Dichloroethene	1.84	96	67340	21.387	ug/l #	74
13) Acrolein	2.08	56	13940	132.643	ug/l	95
14) Allyl chloride	2.17	41	101004	21.762	ug/l	98
15) Acrylonitrile	3.05	53	43954	103.054	ug/l	97
16) Acetone	2.33	43	93694	114.755	ug/l	93
17) Carbon Disulfide	1.89	76	196371	22.427	ug/l	96
18) Methyl Acetate	2.44	43	32999	21.424	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	157377	22.204	ug/l	96
20) Methylene Chloride	2.31	84	37844	12.867	ug/l	92
21) trans-1,2-Dichloroethene	2.40	96	70074	23.844	ug/l	96
22) Diisopropyl ether	2.91	45	205566	21.547	ug/l	98
23) Vinyl Acetate	3.30	43	357585	107.070	ug/l	100
24) 1,1-Dichloroethane	2.98	63	140035	21.872	ug/l	98
25) 2-Butanone	4.48	43	97915	106.169	ug/l	100
26) 2,2-Dichloropropane	3.74	77	70918	21.244	ug/l	93
27) cis-1,2-Dichloroethene	3.60	96	70999	20.697	ug/l	89
28) Bromochloromethane	3.86	49	45011	20.241	ug/l	94
29) Tetrahydrofuran	4.22	42	39002	100.321	ug/l	94
30) Chloroform	4.00	83	159268	21.496	ug/l	99
31) Cyclohexane	3.83	56	88466	21.599	ug/l	96
32) 1,1,1-Trichloroethane	4.24	97	108165	18.531	ug/l	98
36) 1,1-Dichloropropene	4.42	75	110809	22.835	ug/l	93
37) Ethyl Acetate	4.25	43	38648	22.548	ug/l	90
38) Carbon Tetrachloride	4.13	117	116980	23.999	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	98935	21.654	ug/l	95
40) Benzene	4.78	78	204551	20.531	ug/l	97
41) Methacrylonitrile	4.90	41	19184	19.699	ug/l #	85
42) 1,2-Dichloroethane	5.08	62	92015	20.358	ug/l	98
43) Isopropyl Acetate	7.08	43	39793	18.627	ug/l #	98
44) Trichloroethene	5.64	130	70818	22.817	ug/l	96
45) 1,2-Dichloropropane	6.37	63	52090	21.358	ug/l	94
46) Dibromomethane	6.22	93	34505	17.637	ug/l	89
47) Bromodichloromethane	6.52	83	102921	20.830	ug/l	98
48) Methyl methacrylate	6.84	41	27923	19.296	ug/l	87
49) 1,4-Dioxane	6.85	88	5399	393.547	ug/l #	87
51) 4-Methyl-2-Pentanone	8.37	43	142693	95.753	ug/l	99
52) Toluene	7.75	92	124725	19.877	ug/l	89
53) t-1,3-Dichloropropene	8.40	75	76108	19.833	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	91638	20.504	ug/l	92
55) 1,1,2-Trichloroethane	8.61	97	38392	19.908	ug/l	98
56) Ethyl methacrylate	8.74	69	37025	16.594	ug/l	98
57) 1,3-Dichloropropane	8.97	76	66705	20.088	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.75	63	24033	105.996	ug/l	100
59) 2-Hexanone	9.60	43	105944	98.284	ug/l	97
60) Dibromochloromethane	8.83	129	62073	20.506	ug/l	90
61) 1,2-Dibromoethane	9.11	107	43193	19.823	ug/l	98
64) Tetrachloroethene	8.27	164	59727	21.789	ug/l	92
65) Chlorobenzene	9.91	112	142056	21.150	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.04	131	66946	22.128	ug/l	97
67) Ethyl Benzene	10.01	91	276975	21.858	ug/l	96
68) m/p-Xylenes	10.24	106	192329	44.462	ug/l	90
69) o-Xylene	10.81	106	108481	23.060	ug/l	95
70) Styrene	10.87	104	150764	22.265	ug/l	98
71) Bromoform	10.86	173	33597	21.904	ug/l #	97
73) Isopropylbenzene	11.21	105	331510	22.664	ug/l	98
74) N-amyl acetate	11.45	43	62300	19.568	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.77	83	54826	22.300	ug/l	94
76) 1,2,3-Trichloropropane	11.87	75	38829	20.430	ug/l	88
77) Bromobenzene	11.57	156	69432	21.360	ug/l	95
78) n-propylbenzene	11.67	91	398815	22.893	ug/l	99
79) 2-Chlorotoluene	11.79	91	223107	21.876	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	276894	22.565	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	25669	30.976	ug/l	95
82) 4-Chlorotoluene	11.97	91	227530	21.624	ug/l	96
83) tert-Butylbenzene	12.19	119	278953	22.613	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	280167	22.488	ug/l	100
85) sec-Butylbenzene	12.37	105	379995	22.713	ug/l	100
86) p-Isopropyltoluene	12.52	119	304958	22.204	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	134394	21.706	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	126287	21.032	ug/l	98
89) n-Butylbenzene	12.90	91	334368	23.265	ug/l	98
90) Hexachloroethane	12.97	117	78051	23.765	ug/l	80
91) 1,2-Dichlorobenzene	13.00	146	133683	22.429	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9343	17.904	ug/l	96

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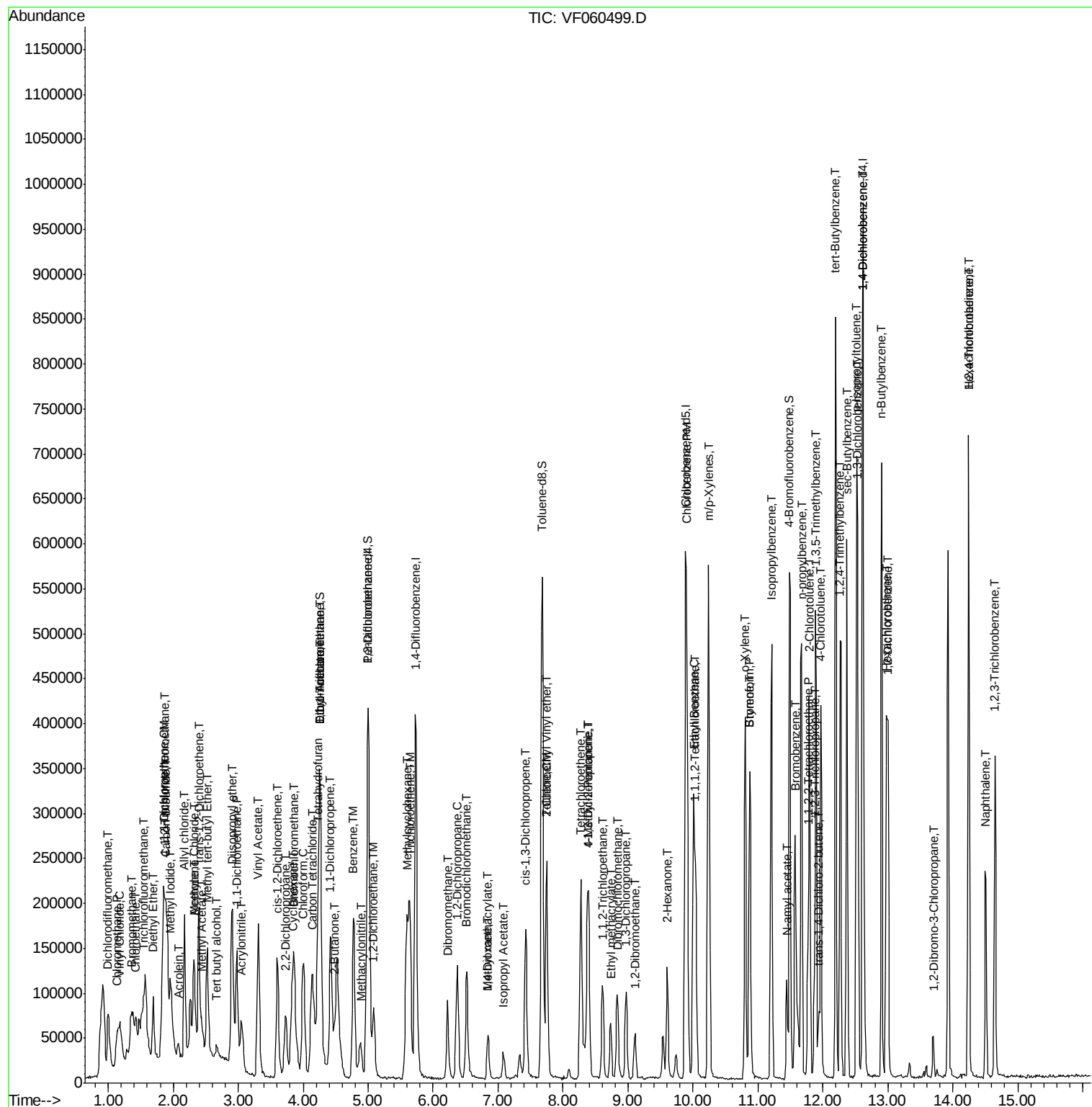
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	102095	22.181	ug/l	98
94) Hexachlorobutadiene	14.25	225	70047	22.384	ug/l	91
95) Naphthalene	14.51	128	169615	21.436	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	93494	21.802	ug/l	89

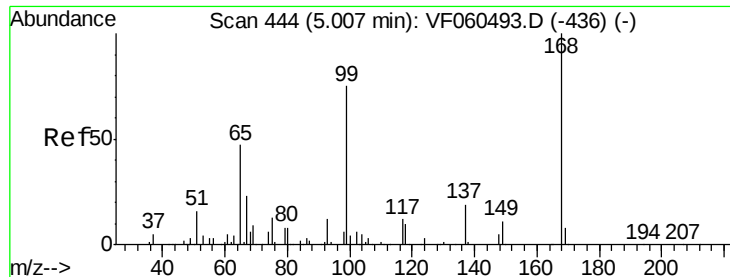
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

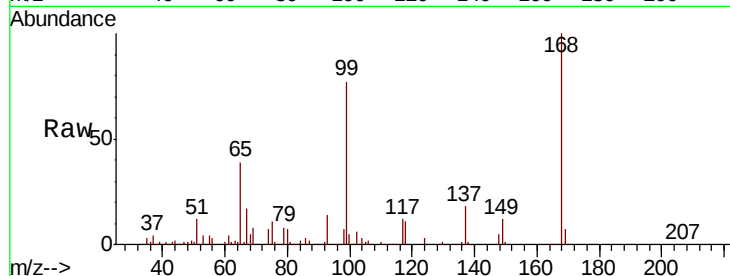
VF1009SBS01

Tgt Ion:168 Resp: 254950

Ion Ratio Lower Upper

168 100

99 76.7 60.3 90.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

80000

60000

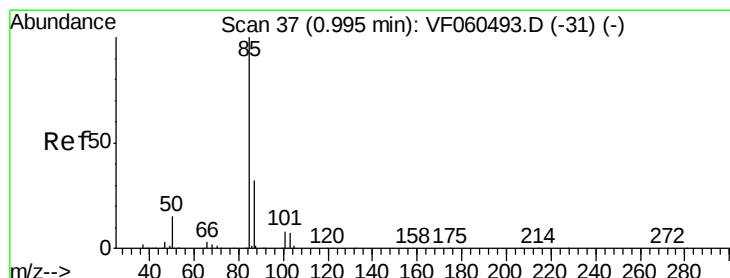
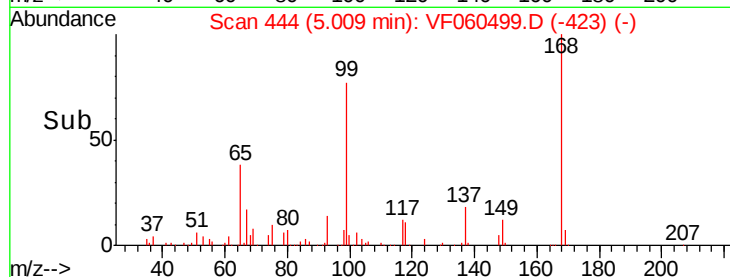
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 24.725 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060499.D

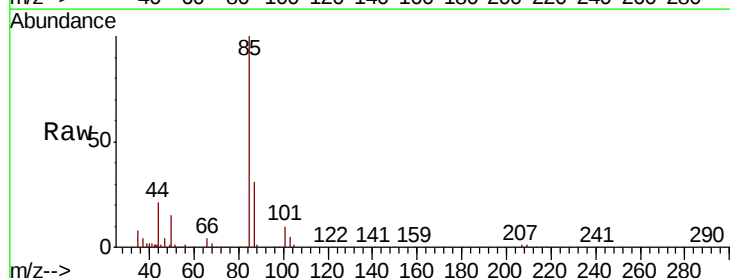
Acq: 9 Oct 2018 20:03

Tgt Ion: 85 Resp: 121055

Ion Ratio Lower Upper

85 100

87 31.1 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

40000

30000

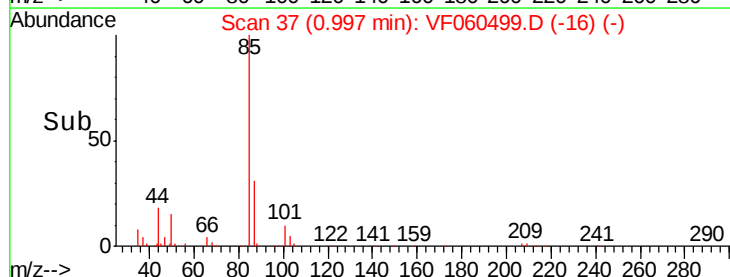
20000

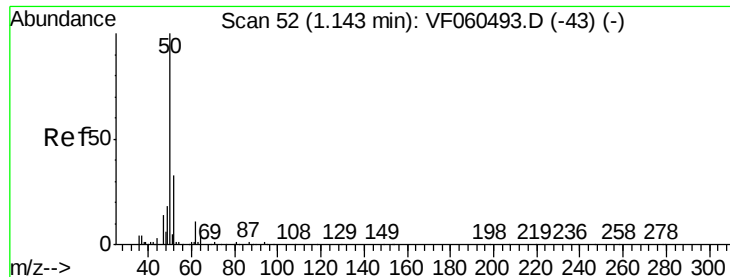
10000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 23.296 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

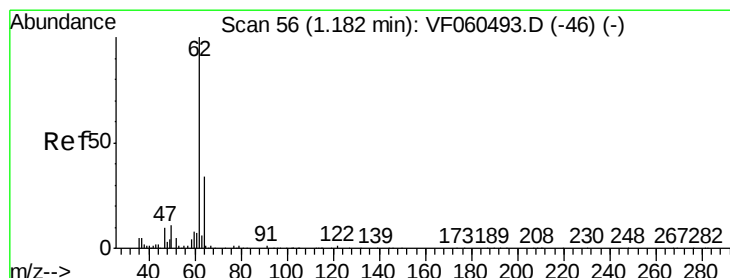
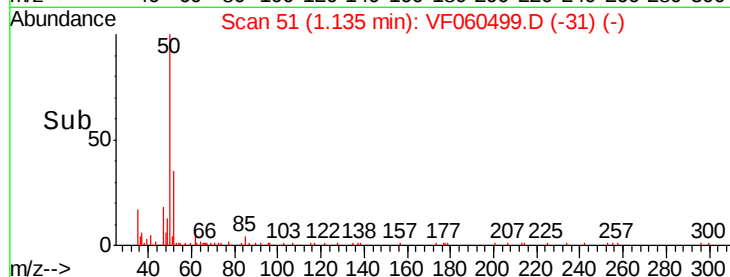
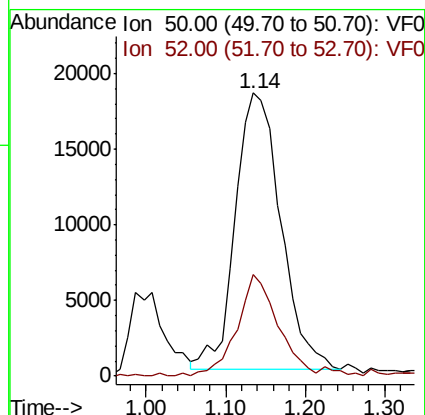
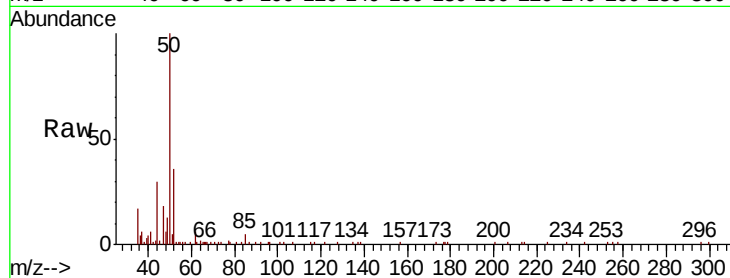
VF1009SBS01

Tgt Ion: 50 Resp: 72204

Ion Ratio Lower Upper

50 100

52 35.7 25.0 37.4



#4

Vinyl Chloride

Concen: 22.566 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060499.D

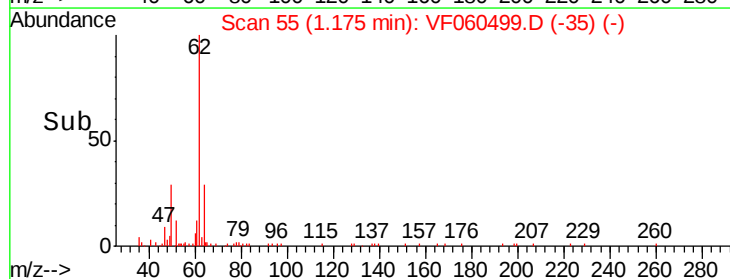
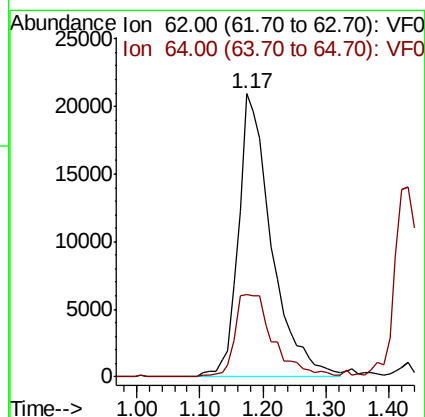
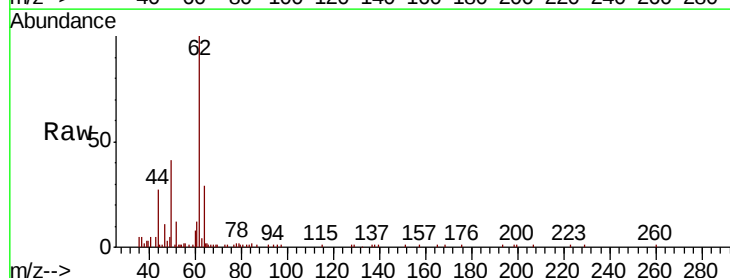
Acq: 9 Oct 2018 20:03

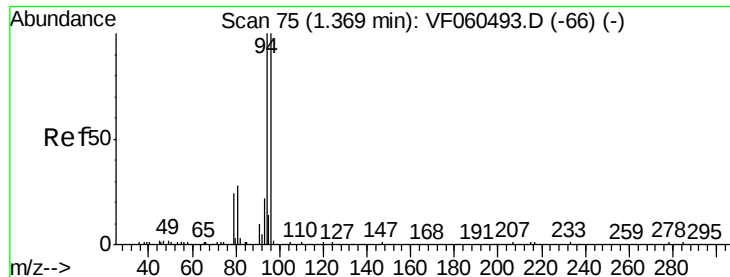
Tgt Ion: 62 Resp: 75865

Ion Ratio Lower Upper

62 100

64 29.1 27.5 41.3





#5

Bromomethane

Concen: 21.654 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

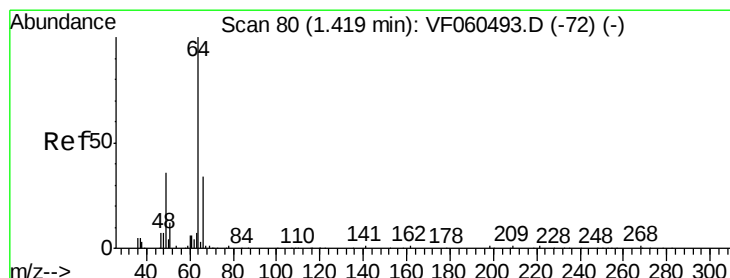
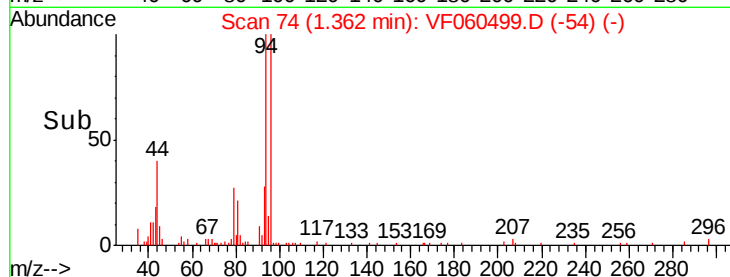
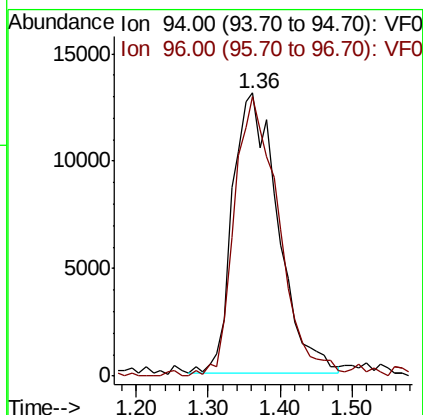
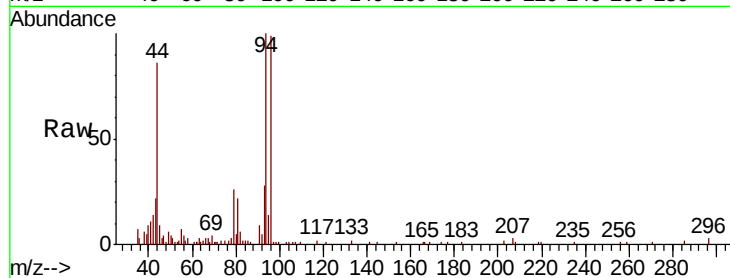
VF1009SBS01

Tgt Ion: 94 Resp: 57250

Ion Ratio Lower Upper

94 100

96 98.9 80.6 120.8



#6

Chloroethane

Concen: 22.526 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060499.D

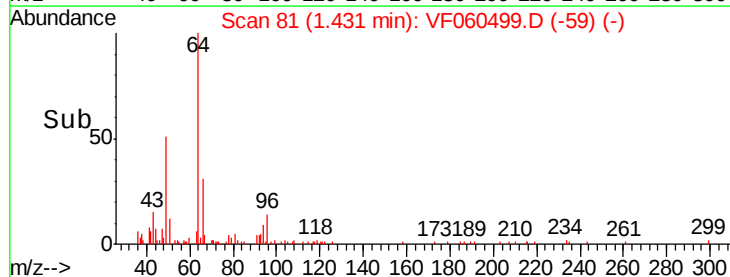
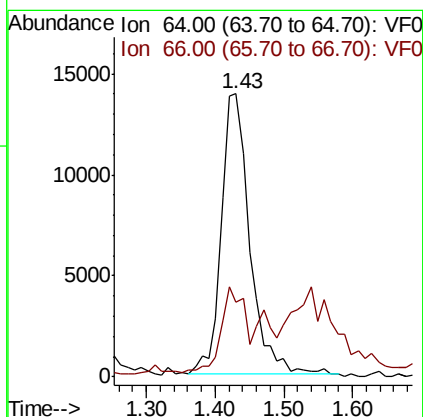
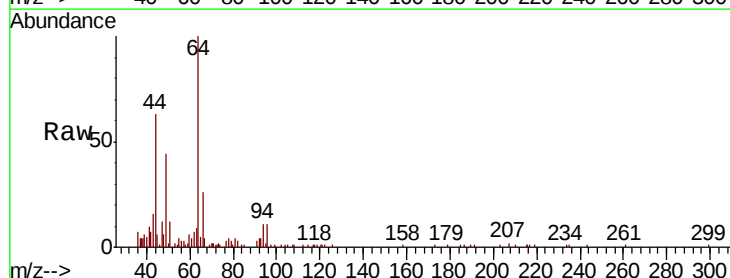
Acq: 9 Oct 2018 20:03

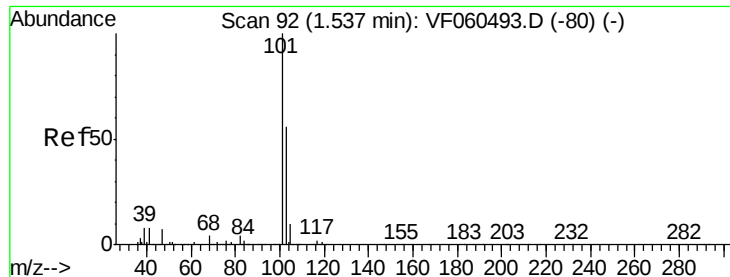
Tgt Ion: 64 Resp: 40031

Ion Ratio Lower Upper

64 100

66 26.4 27.0 40.6#





#7

Trichlorofluoromethane

Concen: 21.782 ug/l

RT: 1.54 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF060499.D

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ClientSampleId :

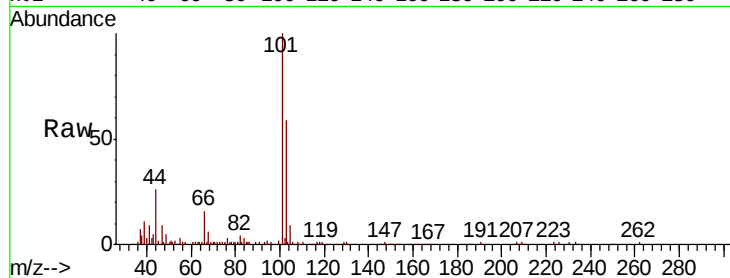
VF1009SBS01

Tgt Ion:101 Resp: 164137

Ion Ratio Lower Upper

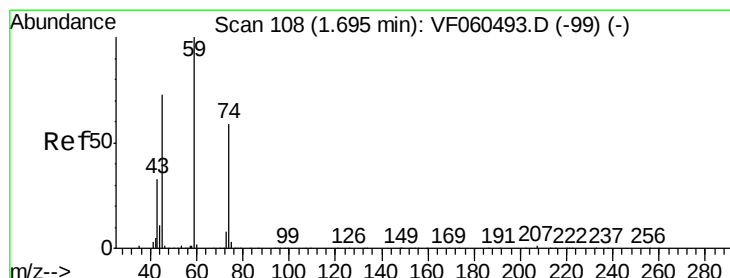
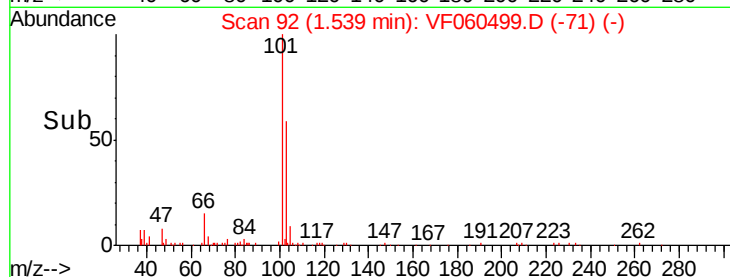
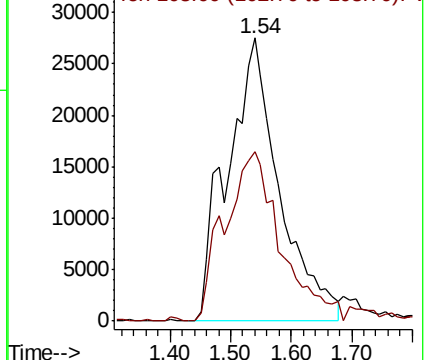
101 100

103 59.8 44.6 66.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.311 ug/l

RT: 1.69 min Scan# 107

Delta R.T. -0.01 min

Lab File: VF060499.D

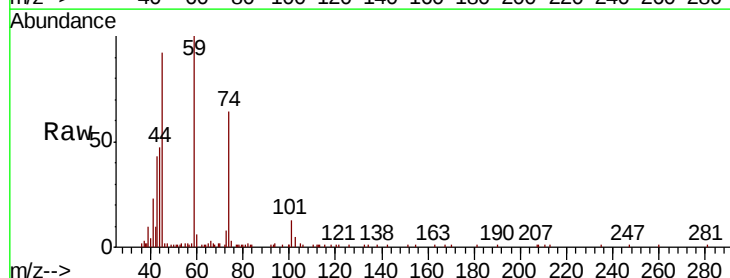
Acq: 9 Oct 2018 20:03

Tgt Ion: 74 Resp: 24056

Ion Ratio Lower Upper

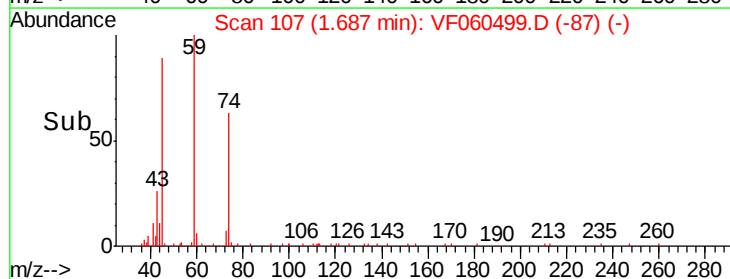
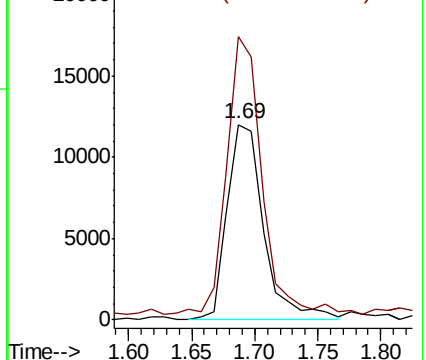
74 100

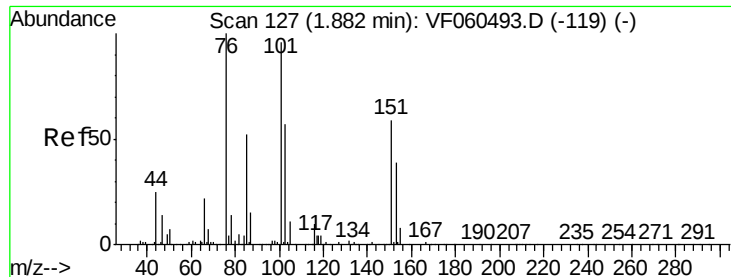
45 145.0 62.7 188.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.457 ug/l

RT: 1.88 min Scan# 127

Delta R.T. 0.00 min

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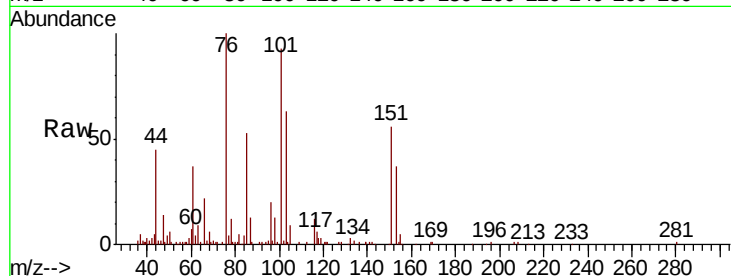
Tgt Ion:101 Resp: 84650

Ion Ratio Lower Upper

101 100

85 56.5 41.8 62.6

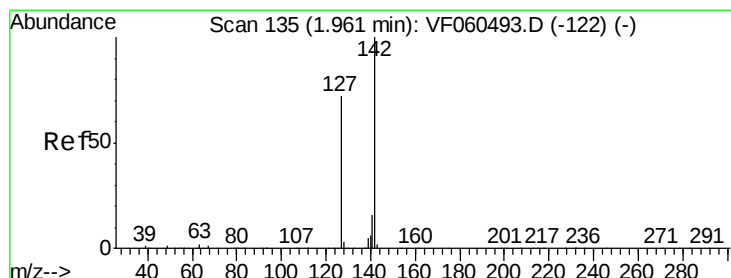
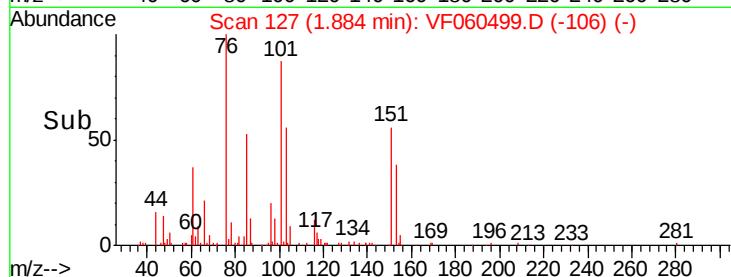
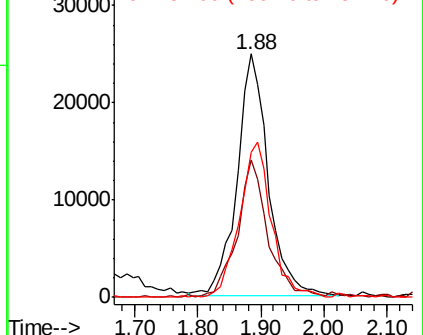
151 59.7 47.4 71.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 17.631 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

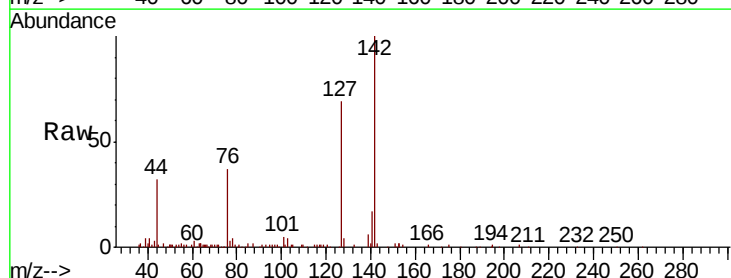
Tgt Ion:142 Resp: 105368

Ion Ratio Lower Upper

142 100

127 69.2 57.9 86.9

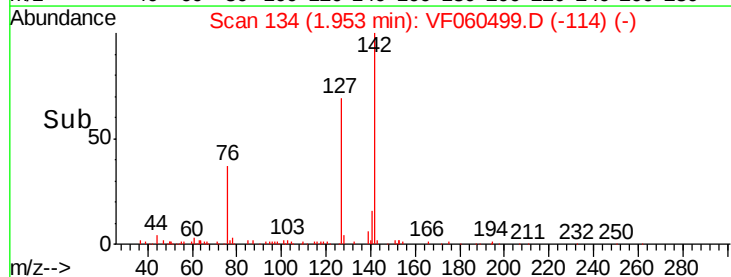
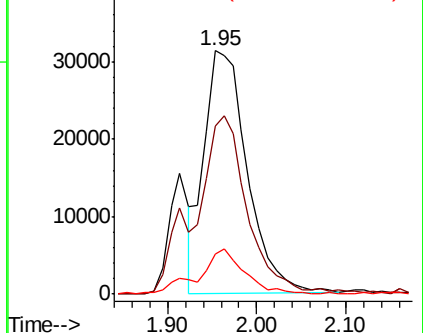
141 16.5 12.7 19.1

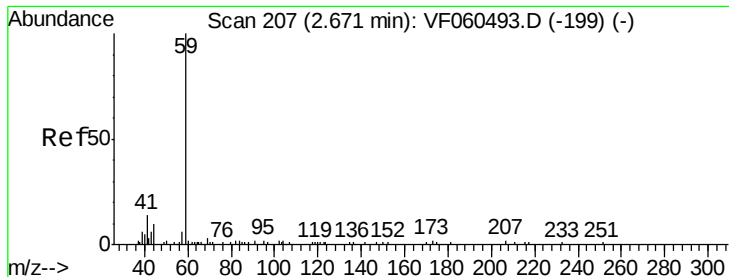


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



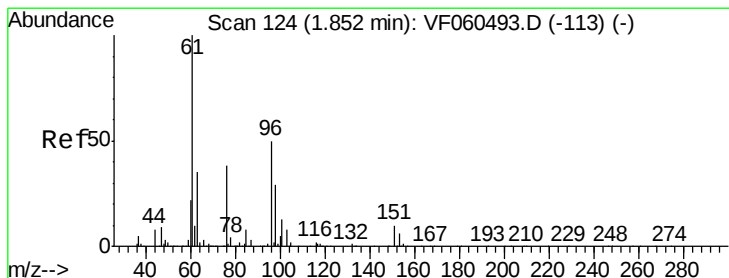
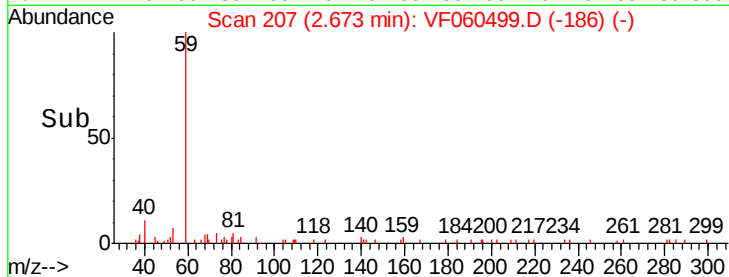
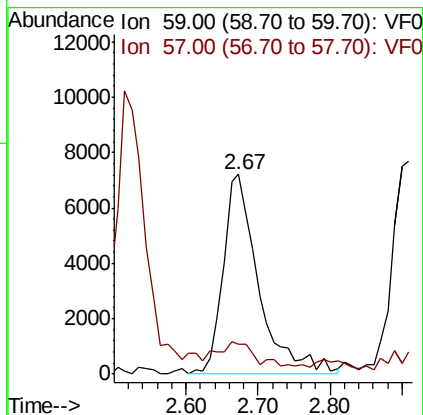
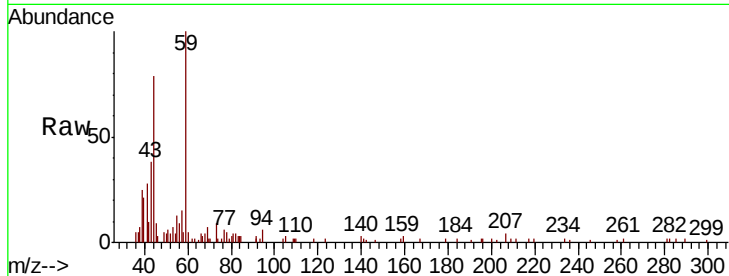


#11

Tert butyl alcohol
 Concen: 122.239 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

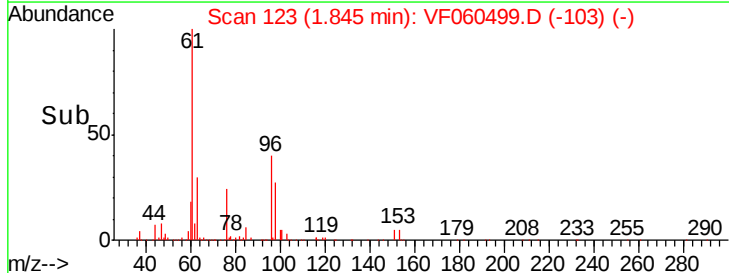
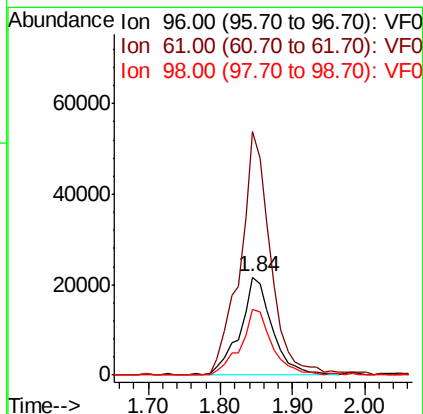
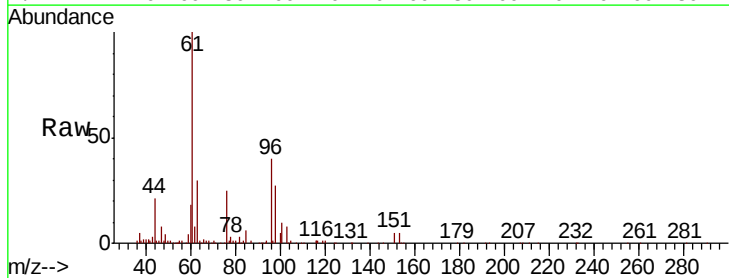
Tgt Ion: 59 Resp: 24765
 Ion Ratio Lower Upper
 59 100
 57 15.2 10.2 15.2#

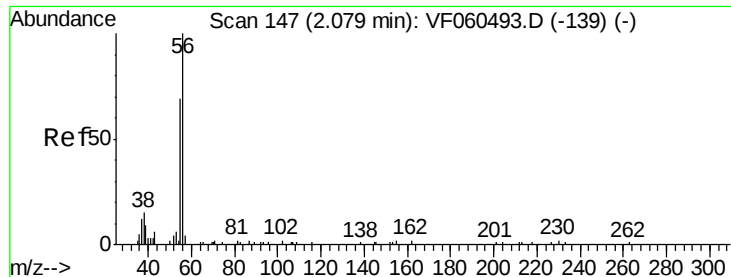


#12

1,1-Dichloroethene
 Concen: 21.387 ug/l
 RT: 1.84 min Scan# 123
 Delta R.T. -0.01 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion: 96 Resp: 67340
 Ion Ratio Lower Upper
 96 100
 61 248.9 161.9 242.9#
 98 66.9 47.4 71.2





#13

Acrolein

Concen: 132.643 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

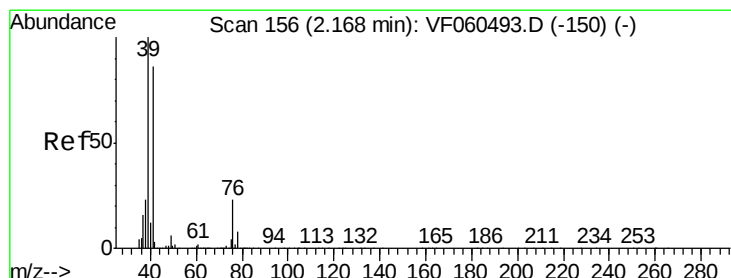
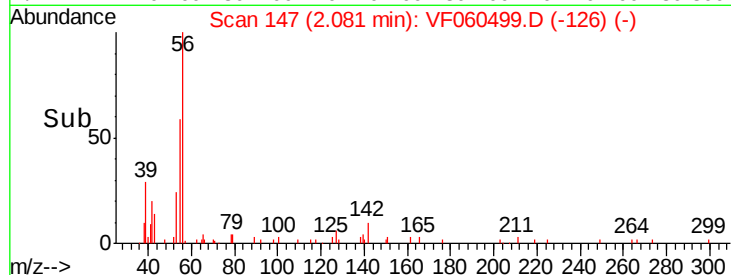
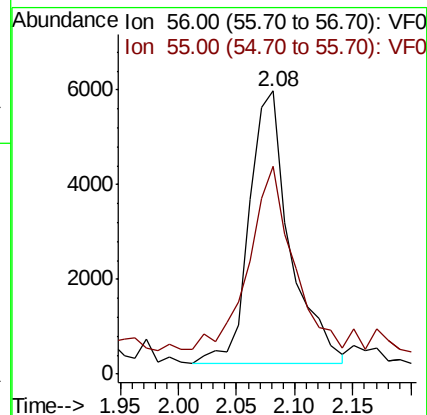
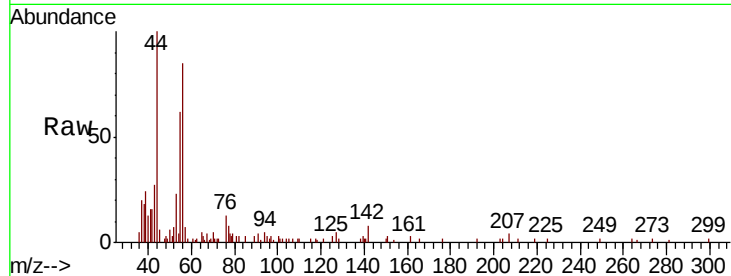
VF1009SBS01

Tgt Ion: 56 Resp: 13940

Ion Ratio Lower Upper

56 100

55 73.4 55.3 82.9



#14

Allyl chloride

Concen: 21.762 ug/l

RT: 2.17 min Scan# 156

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

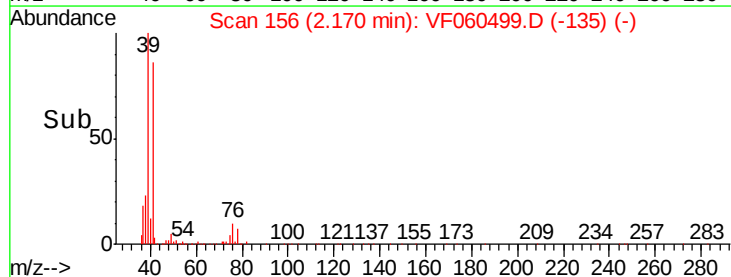
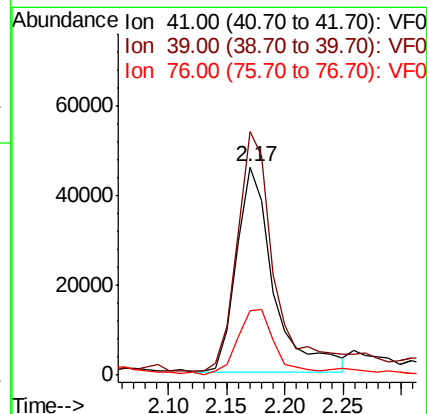
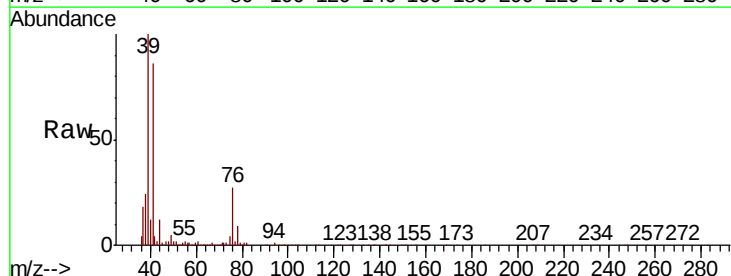
Tgt Ion: 41 Resp: 101004

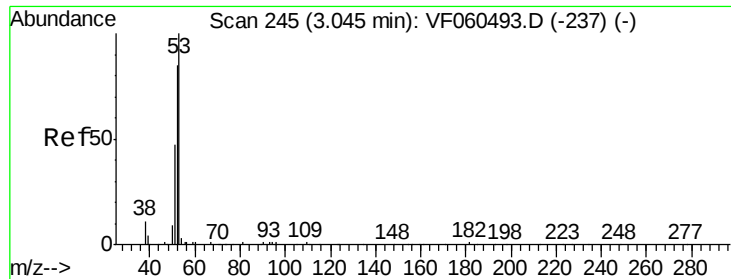
Ion Ratio Lower Upper

41 100

39 116.8 93.1 139.7

76 31.1 21.6 32.4





#15

Acrylonitrile

Concen: 103.054 ug/l

RT: 3.05 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

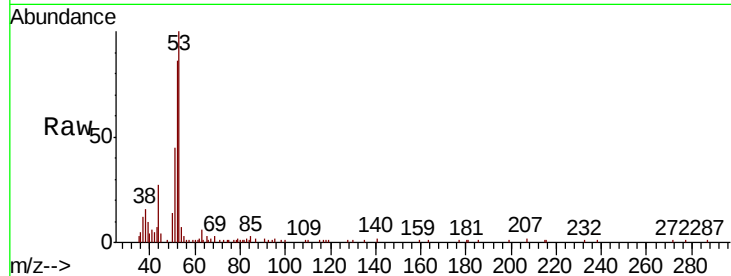
Tgt Ion: 53 Resp: 43954

Ion Ratio Lower Upper

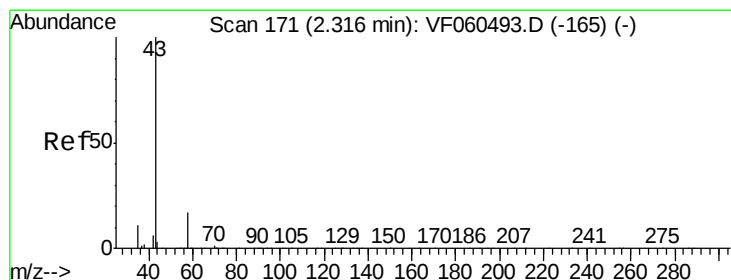
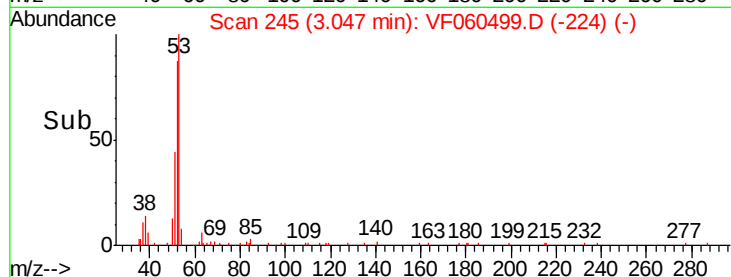
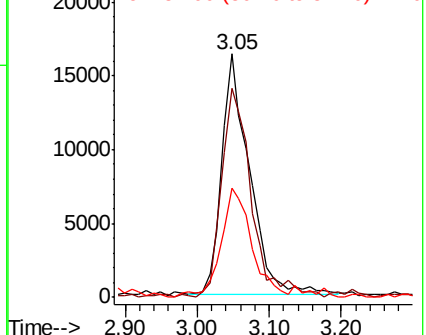
53 100

52 86.1 67.5 101.3

51 44.7 38.2 57.4



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: 114.755 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060499.D

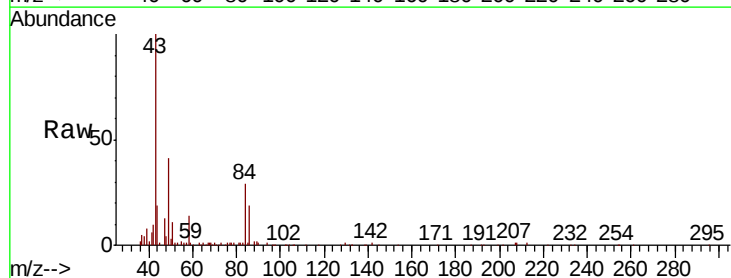
Acq: 9 Oct 2018 20:03

Tgt Ion: 43 Resp: 93694

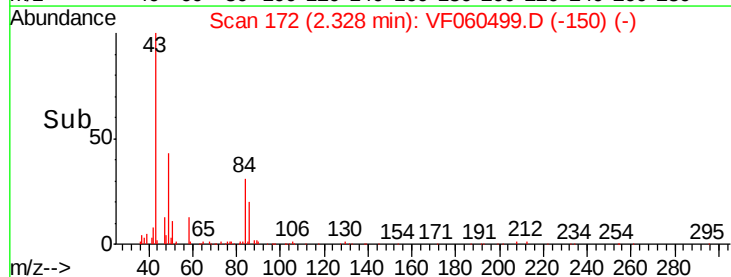
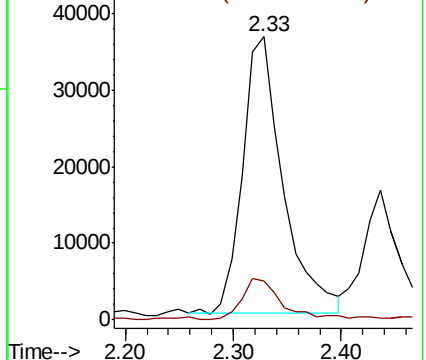
Ion Ratio Lower Upper

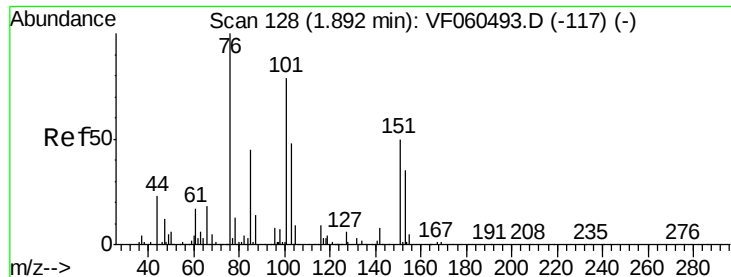
43 100

58 13.5 13.2 19.8



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





#17

Carbon Disulfide

Concen: 22.427 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

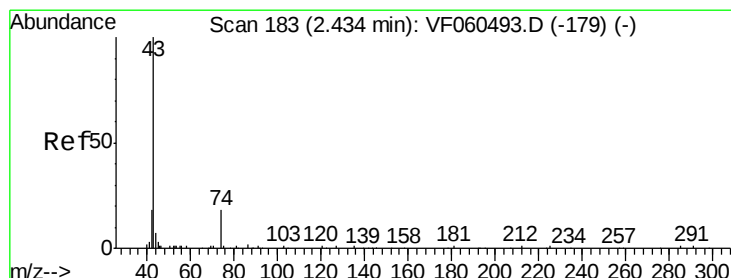
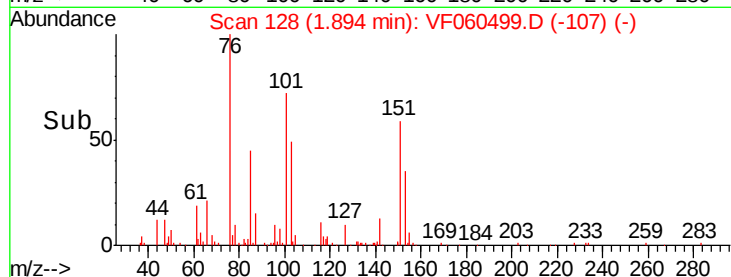
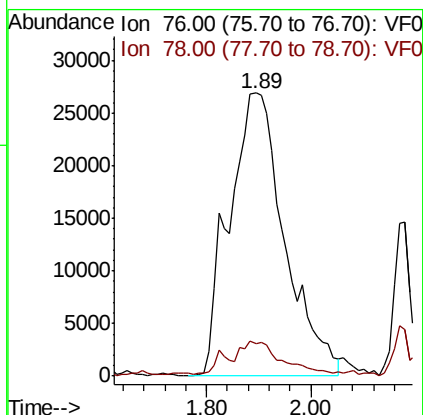
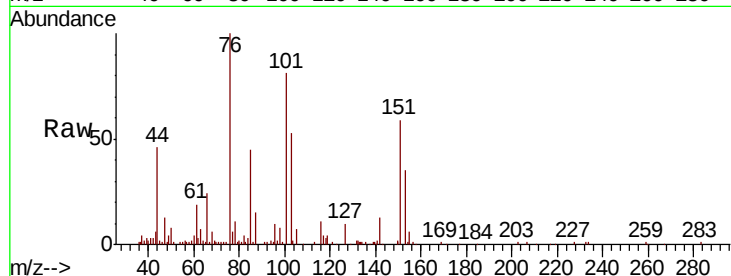
VF1009SBS01

Tgt Ion: 76 Resp: 196371

Ion Ratio Lower Upper

76 100

78 11.4 10.5 15.7



#18

Methyl Acetate

Concen: 21.424 ug/l

RT: 2.44 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF060499.D

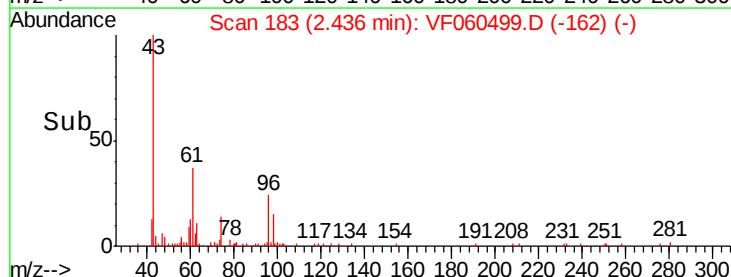
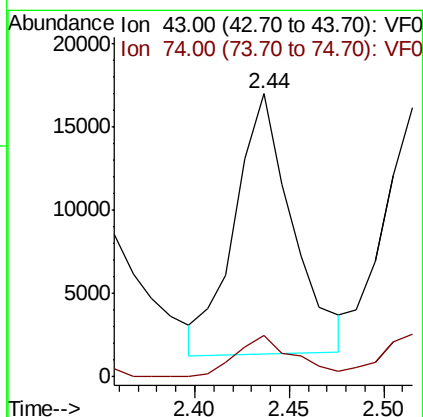
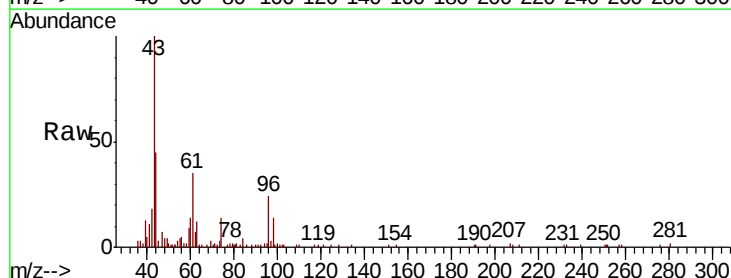
Acq: 9 Oct 2018 20:03

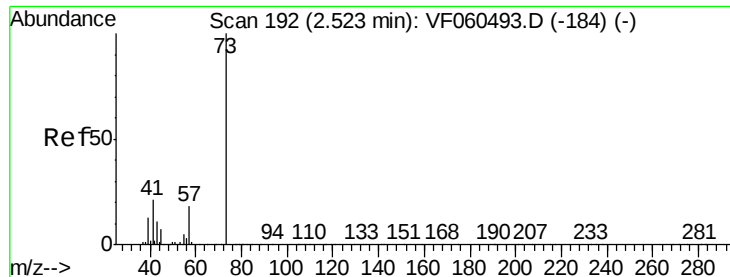
Tgt Ion: 43 Resp: 32999

Ion Ratio Lower Upper

43 100

74 14.4 12.9 19.3





#19

Methyl tert-butyl Ether

Concen: 22.204 ug/l

RT: 2.52 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

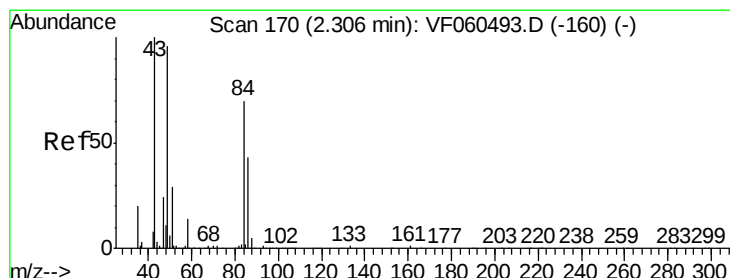
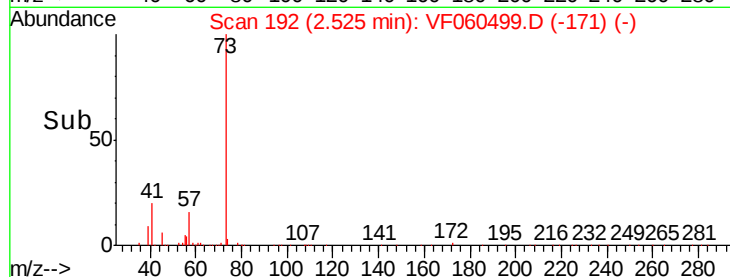
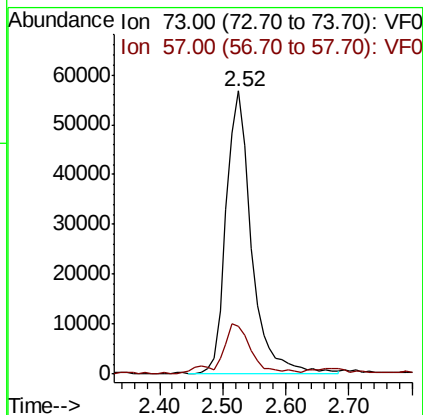
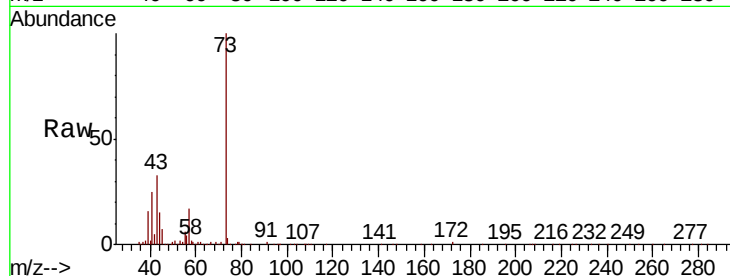
VF1009SBS01

Tgt Ion: 73 Resp: 157377

Ion Ratio Lower Upper

73 100

57 16.8 15.0 22.6



#20

Methylene Chloride

Concen: 12.867 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Tgt Ion: 84 Resp: 37844

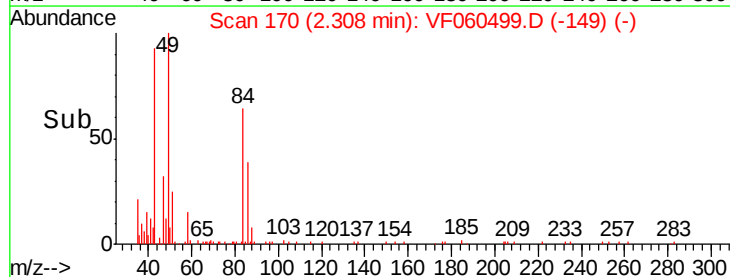
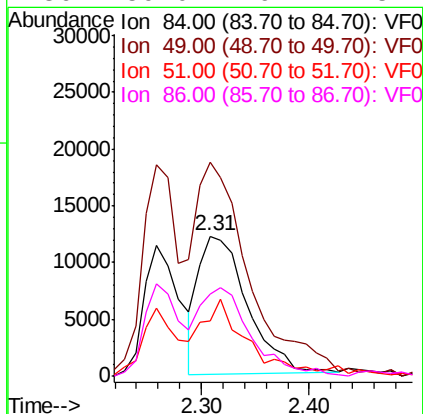
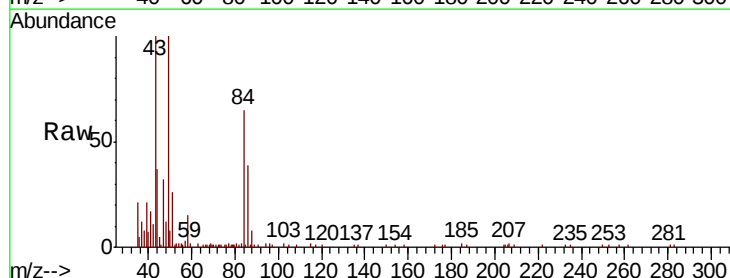
Ion Ratio Lower Upper

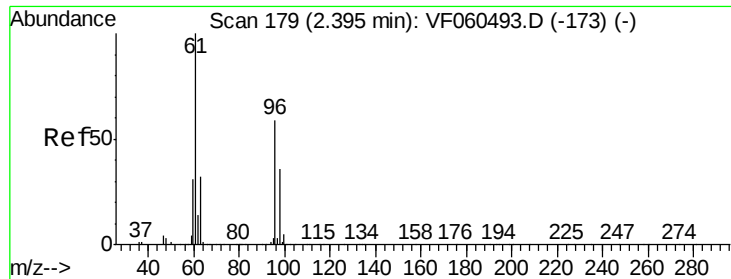
84 100

49 153.0 111.5 167.3

51 39.8 34.6 52.0

86 59.0 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 23.844 ug/l

RT: 2.40 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

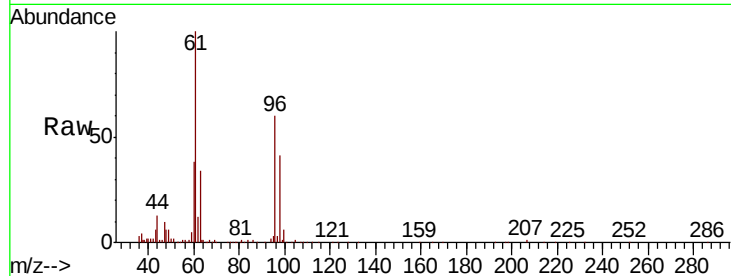
Tgt Ion: 96 Resp: 70074

Ion Ratio Lower Upper

96 100

61 165.6 136.2 204.4

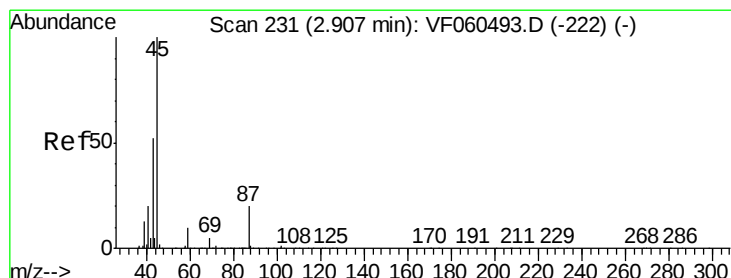
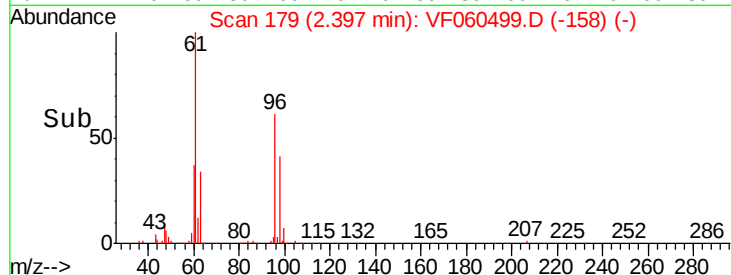
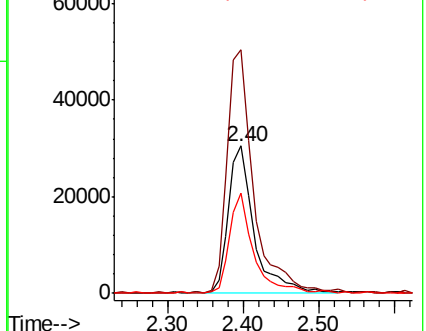
98 67.8 49.7 74.5



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 21.547 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Tgt Ion: 45 Resp: 205566

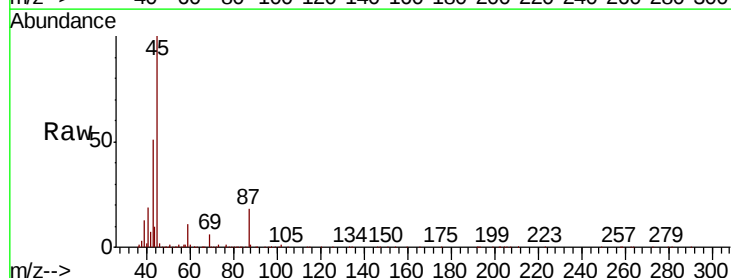
Ion Ratio Lower Upper

45 100

43 51.4 41.8 62.8

87 17.8 15.7 23.5

59 10.6 8.7 13.1

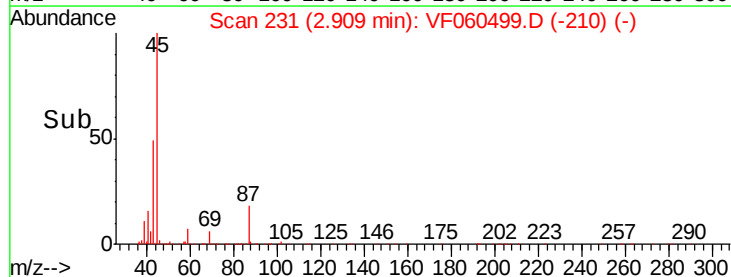
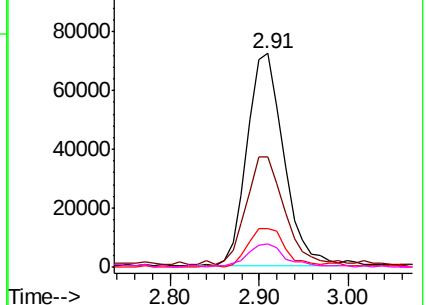


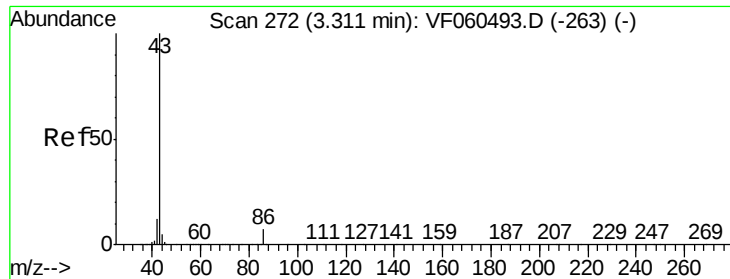
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 107.070 ug/l

RT: 3.30 min Scan# 271

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

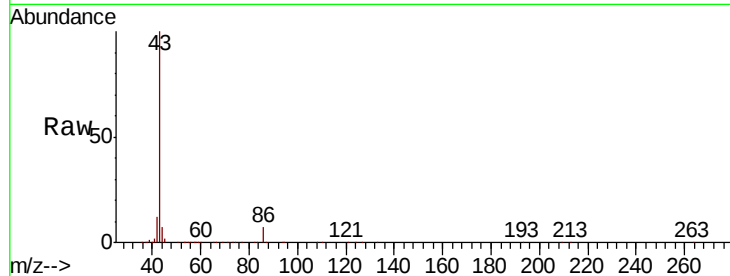
VF1009SBS01

Tgt Ion: 43 Resp: 357585

Ion Ratio Lower Upper

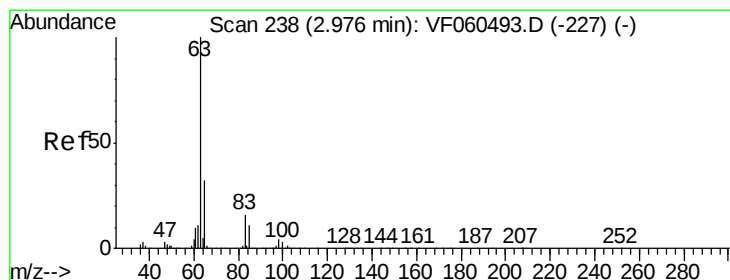
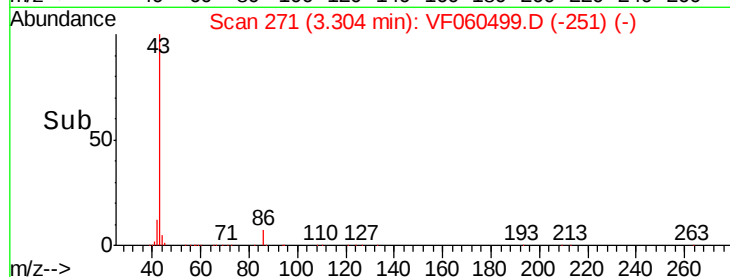
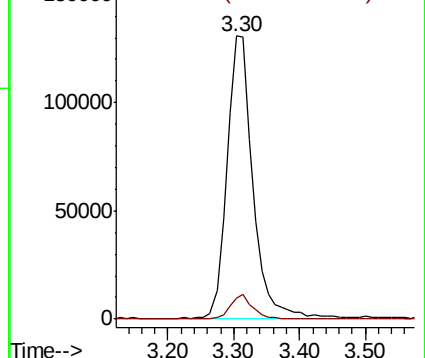
43 100

86 7.3 5.8 8.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.872 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

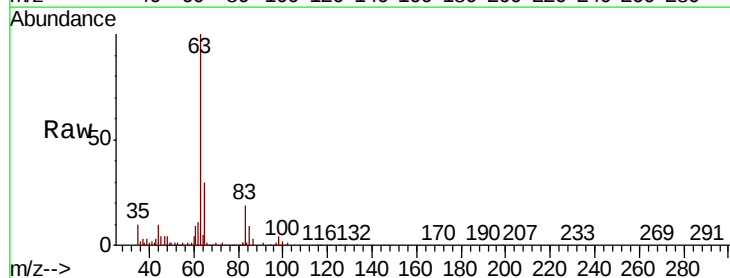
Tgt Ion: 63 Resp: 140035

Ion Ratio Lower Upper

63 100

98 4.0 2.2 6.6

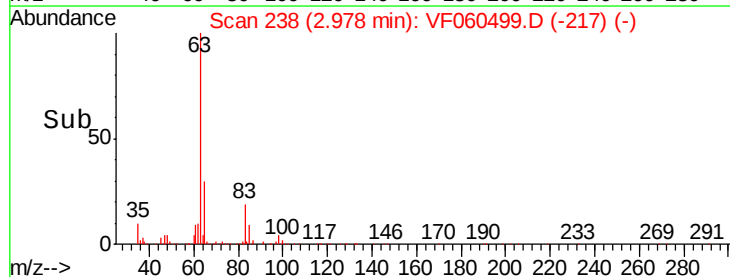
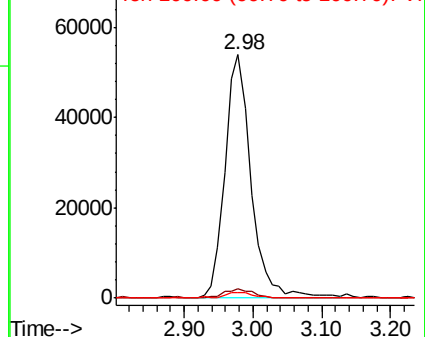
100 2.1 1.5 4.4

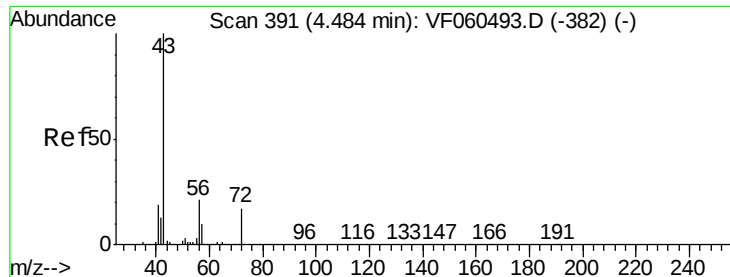


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 106.169 ug/l

RT: 4.48 min Scan# 390

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

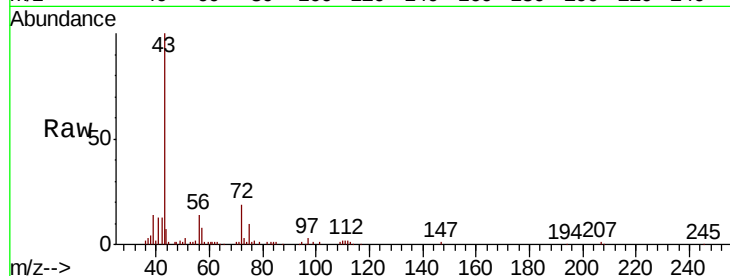
VF1009SBS01

Tgt Ion: 43 Resp: 97915

Ion Ratio Lower Upper

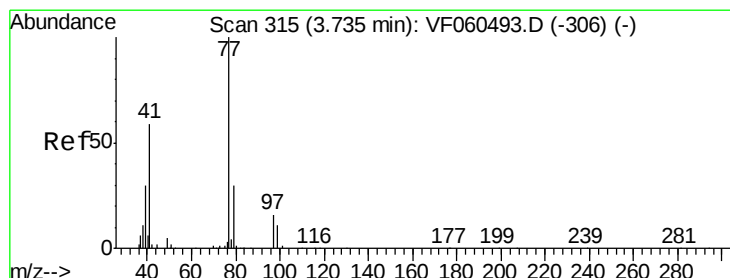
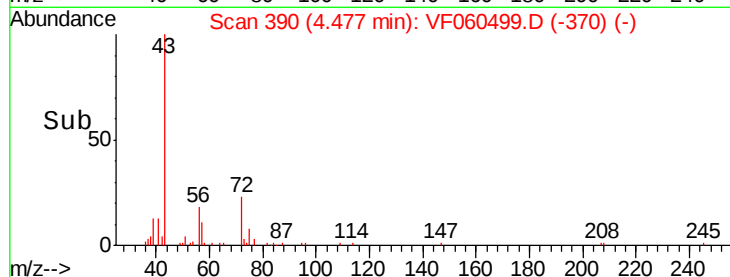
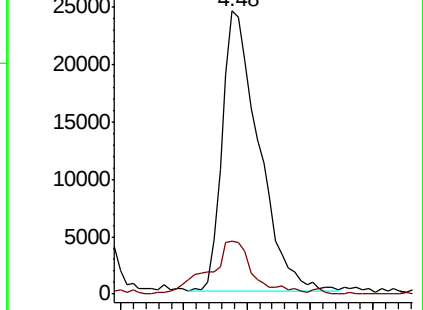
43 100

72 18.8 15.0 22.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 21.244 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF060499.D

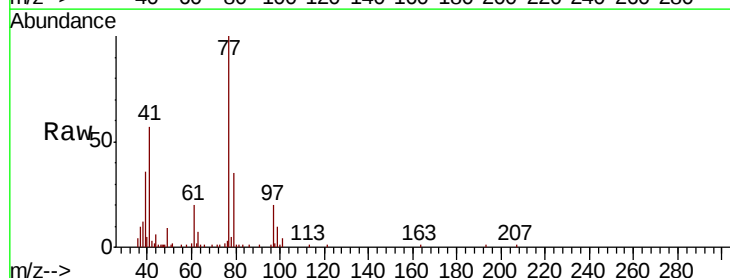
Acq: 9 Oct 2018 20:03

Tgt Ion: 77 Resp: 70918

Ion Ratio Lower Upper

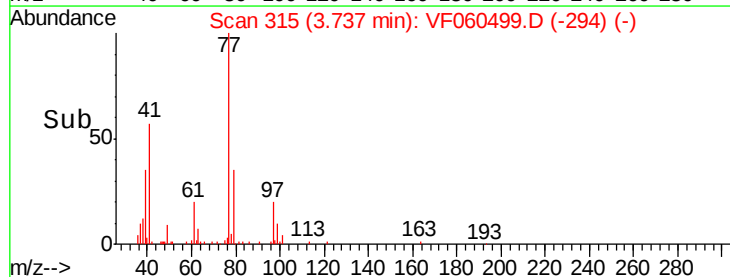
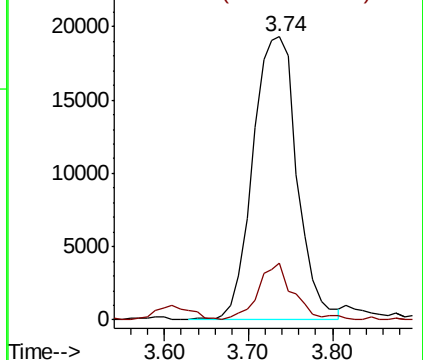
77 100

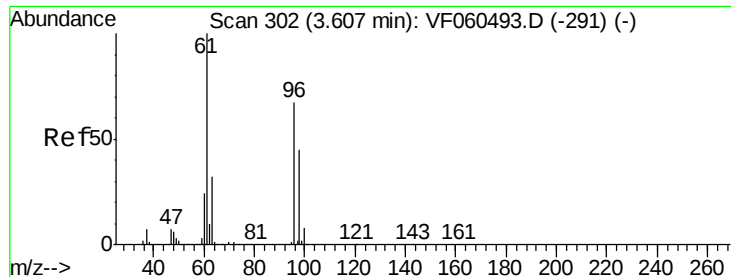
97 20.2 8.6 25.7



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



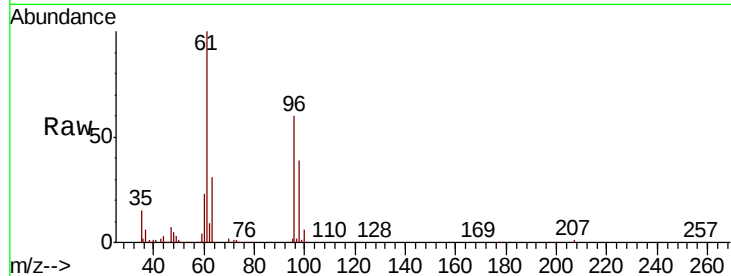


#27

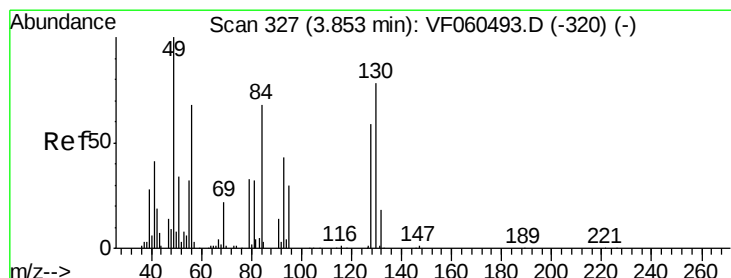
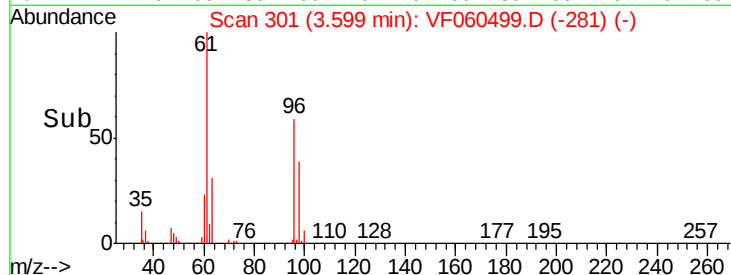
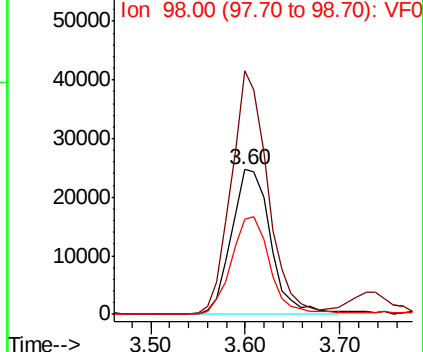
cis-1,2-Dichloroethene
 Concen: 20.697 ug/l
 RT: 3.60 min Scan# 301
 Delta R.T. -0.01 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Tgt Ion: 96 Resp: 70999
 Ion Ratio Lower Upper
 96 100
 61 168.0 0.0 298.0
 98 65.3 0.0 135.0



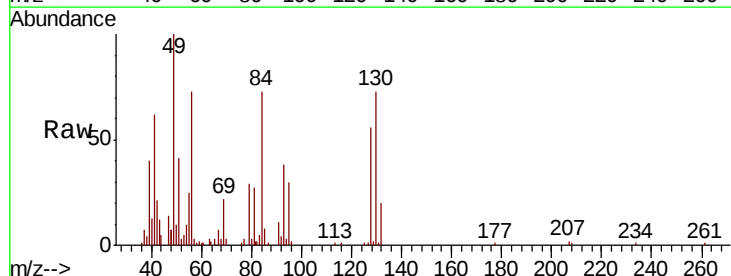
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



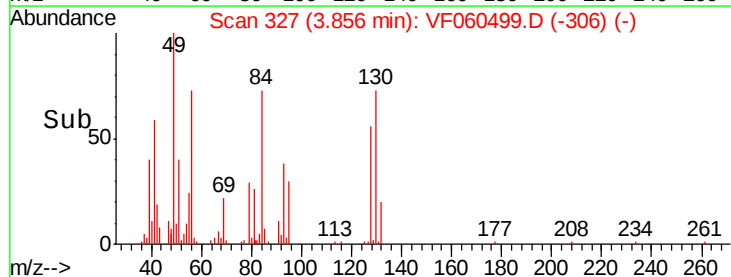
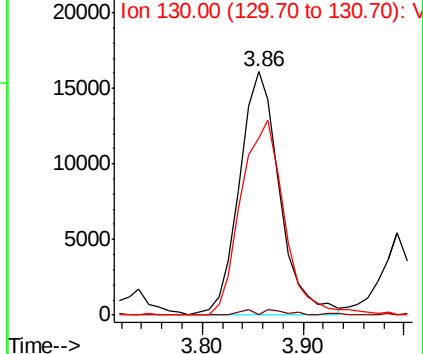
#28

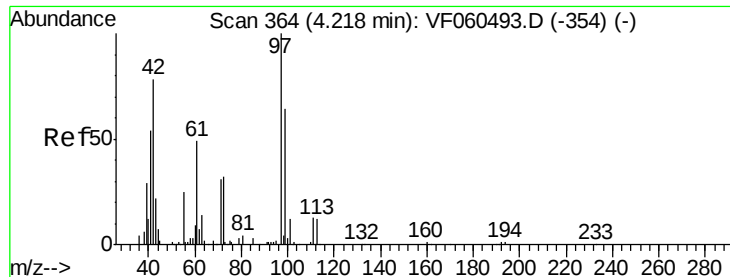
Bromochloromethane
 Concen: 20.241 ug/l
 RT: 3.86 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion: 49 Resp: 45011
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 72.8 62.2 93.2



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: 100.321 ug/l

RT: 4.22 min Scan# 364

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

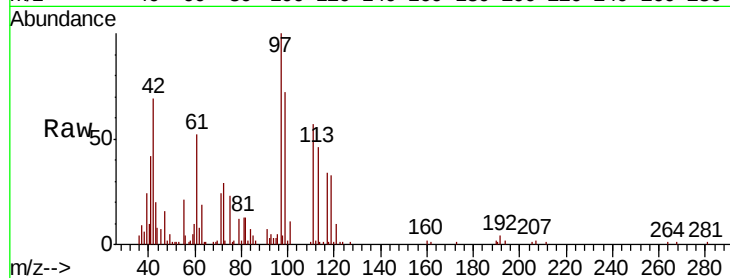
Tgt Ion: 42 Resp: 39002

Ion Ratio Lower Upper

42 100

72 45.5 31.9 47.9

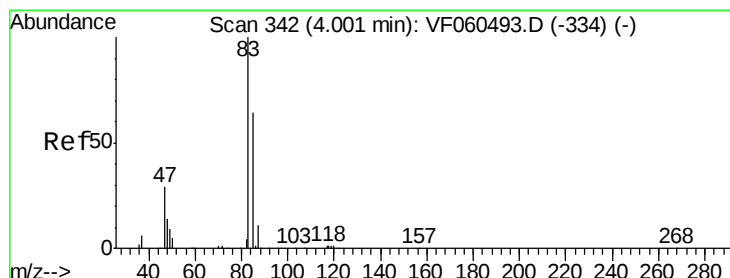
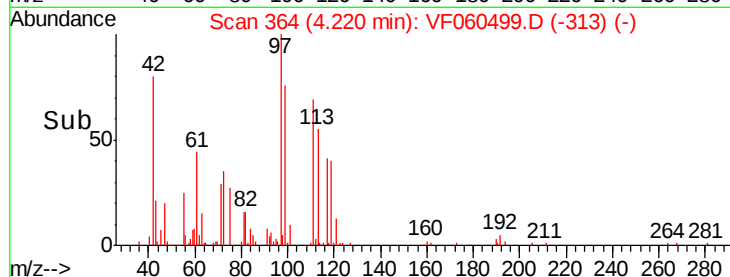
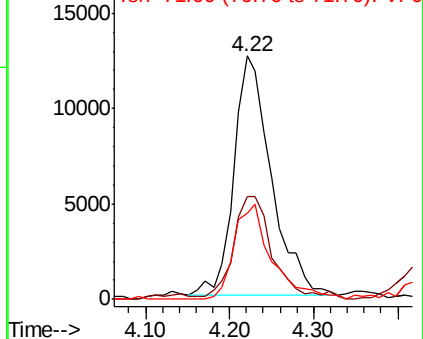
71 39.8 33.4 50.0



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: 21.496 ug/l

RT: 4.00 min Scan# 342

Delta R.T. 0.00 min

Lab File: VF060499.D

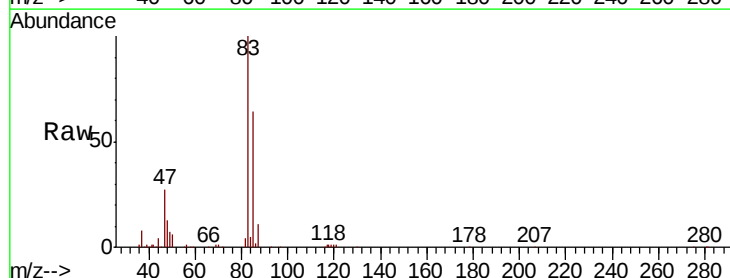
Acq: 9 Oct 2018 20:03

Tgt Ion: 83 Resp: 159268

Ion Ratio Lower Upper

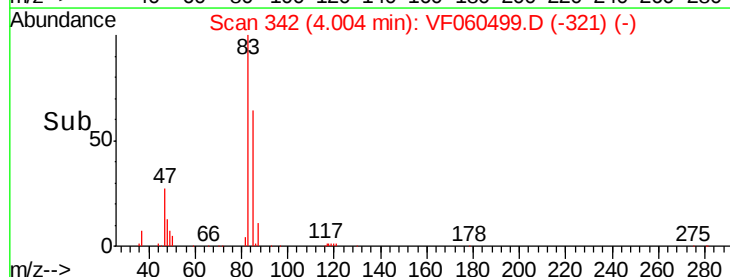
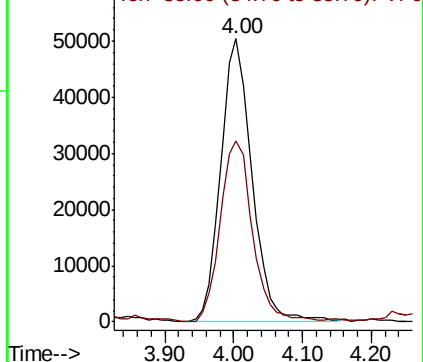
83 100

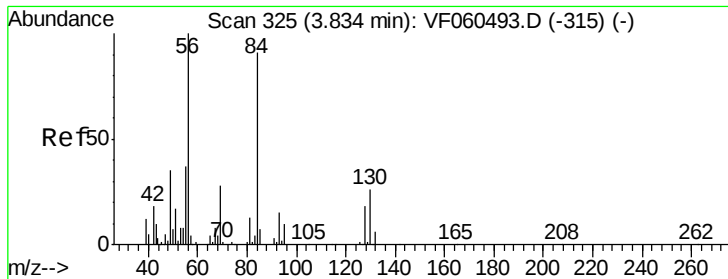
85 64.0 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

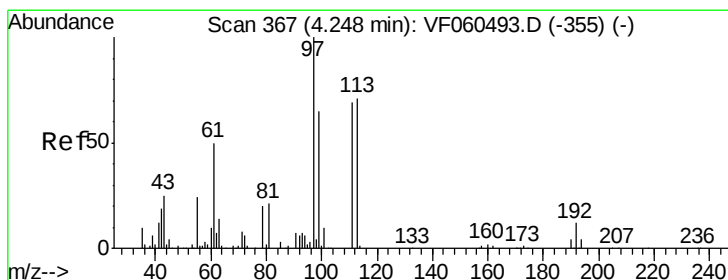
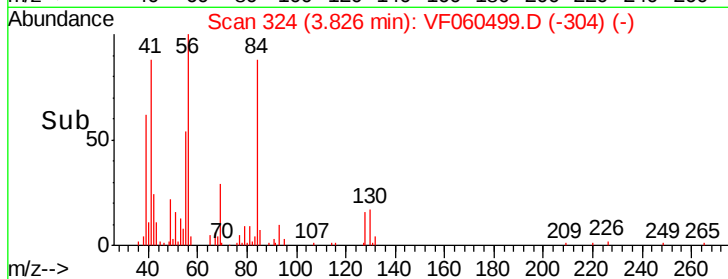
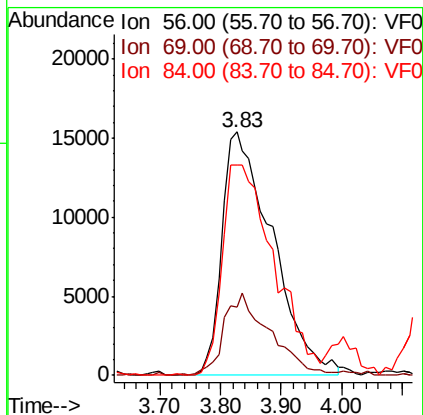
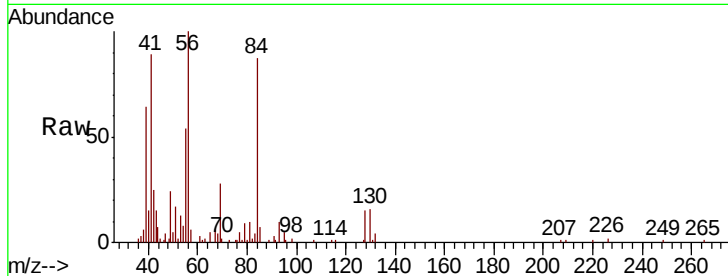




#31
Cyclohexane
Concen: 21.599 ug/l
RT: 3.83 min Scan# 324
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

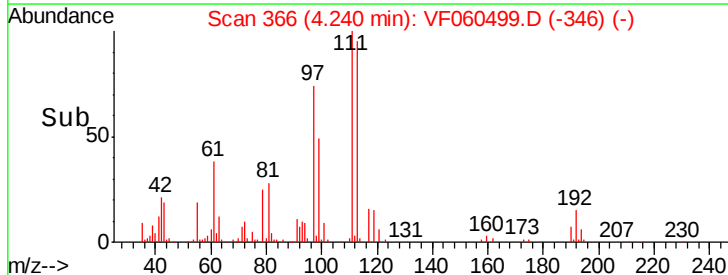
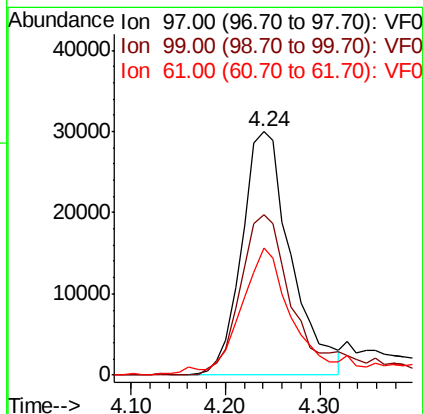
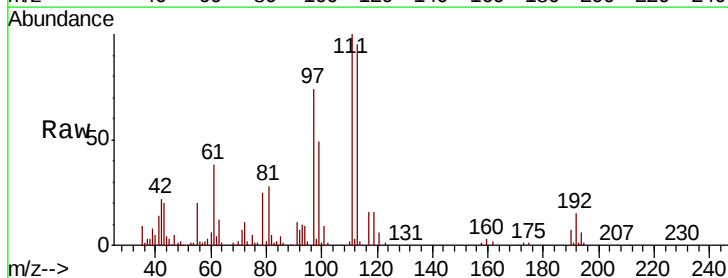
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

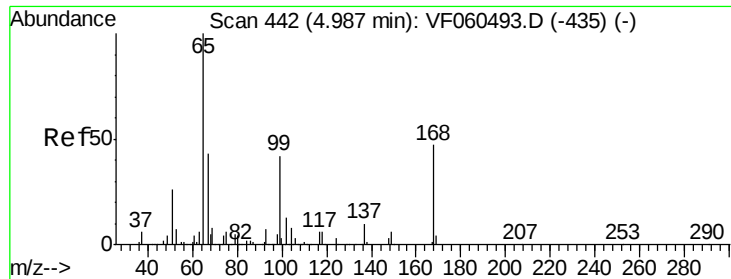
Tgt Ion: 56 Resp: 88466
Ion Ratio Lower Upper
56 100
69 28.1 22.7 34.1
84 86.6 73.1 109.7



#32
1,1,1-Trichloroethane
Concen: 18.531 ug/l
RT: 4.24 min Scan# 366
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion: 97 Resp: 108165
Ion Ratio Lower Upper
97 100
99 66.1 52.3 78.5
61 52.2 39.8 59.8

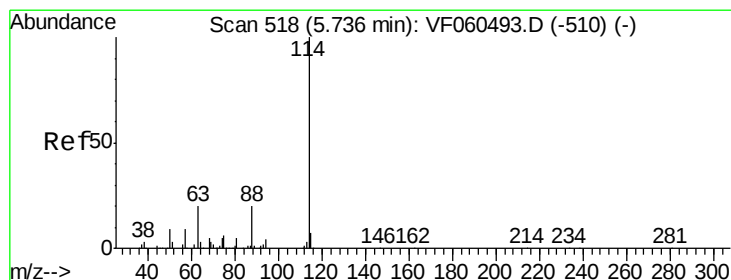
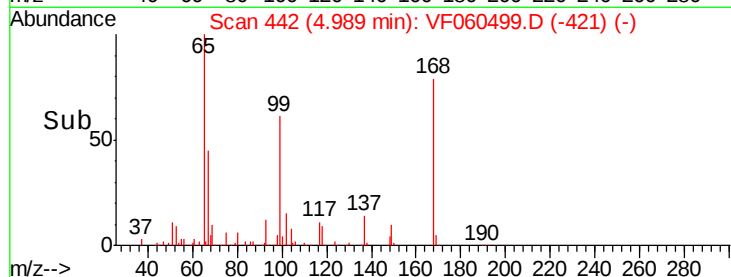
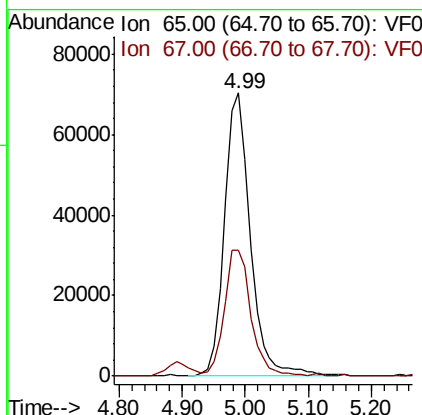
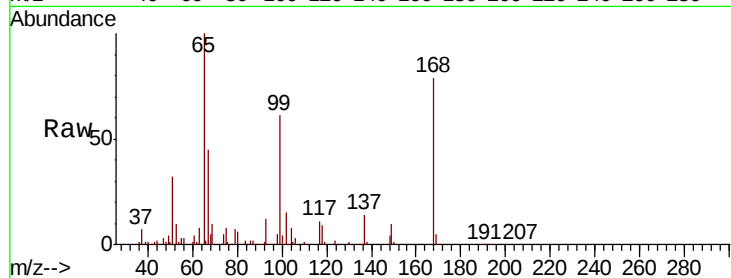




#33
 1,2-Dichloroethane-d4
 Concen: 51.885 ug/l
 RT: 4.99 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

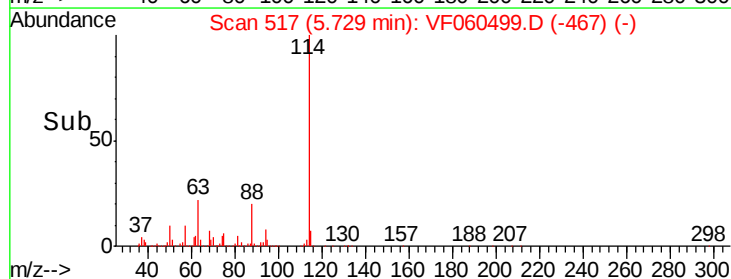
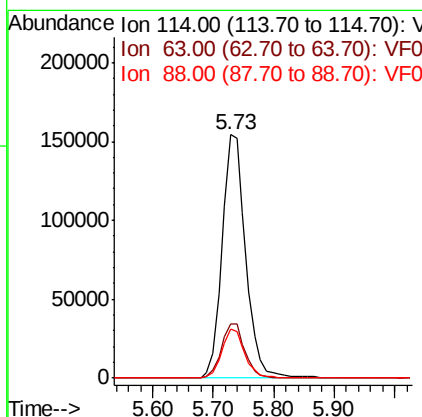
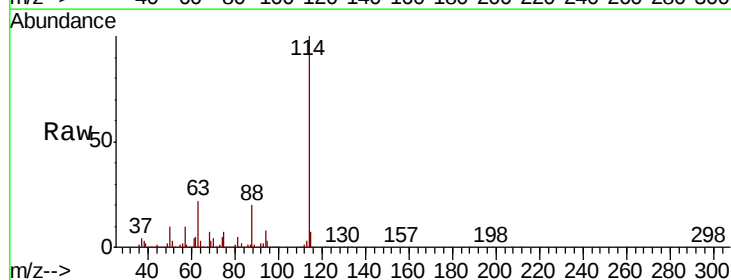
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

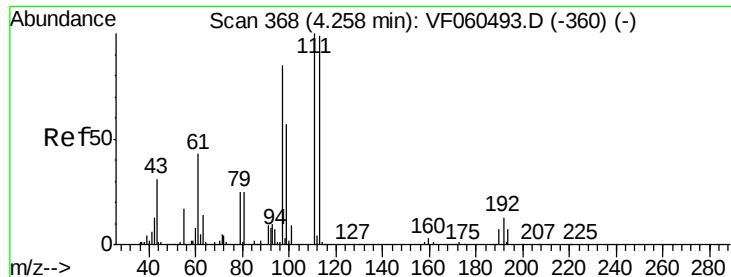
Tgt Ion: 65 Resp: 200609
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion: 114 Resp: 417178
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 40.2
 88 20.0 0.0 40.2

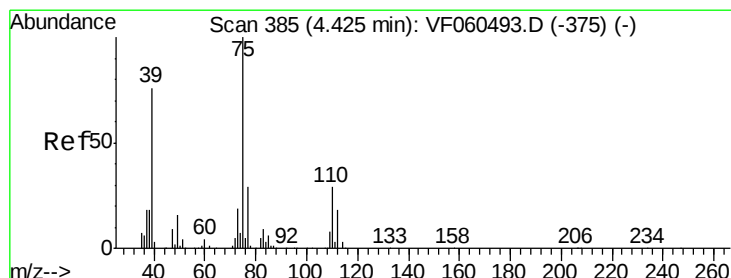
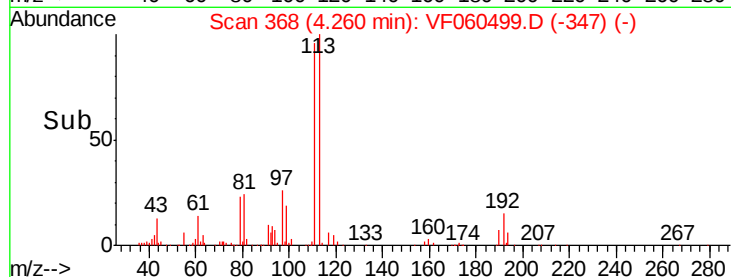
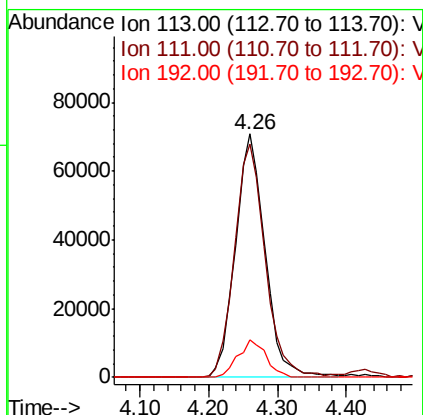
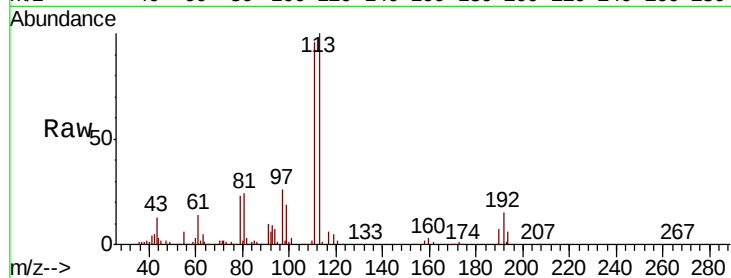




#35
 Dibromofluoromethane
 Concen: 54.874 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

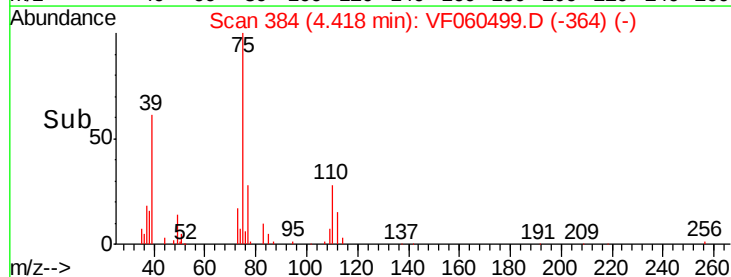
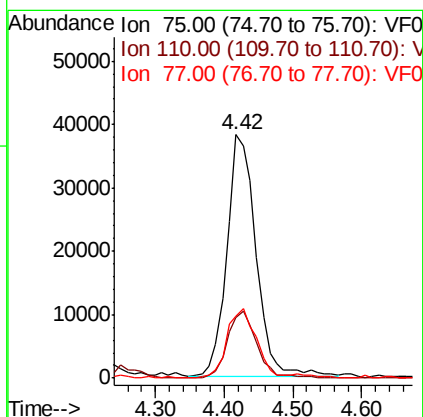
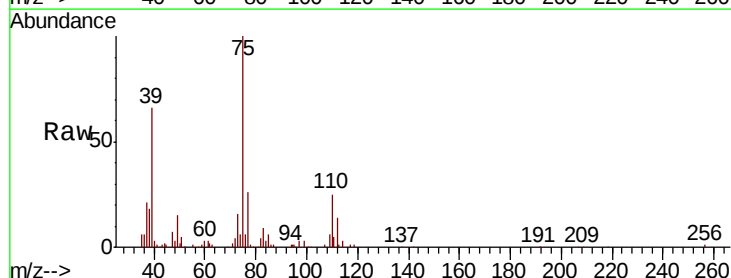
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

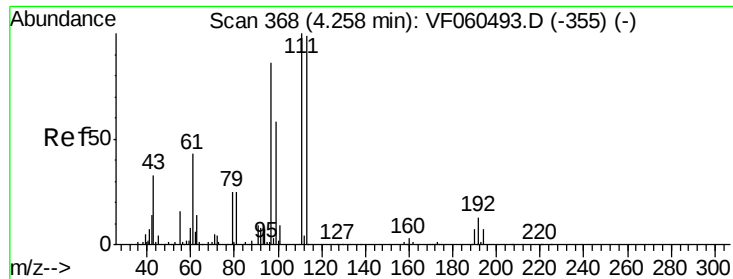
Tgt Ion:113 Resp: 210721
 Ion Ratio Lower Upper
 113 100
 111 95.9 81.0 121.6
 192 15.3 10.7 16.1



#36
 1,1-Dichloropropene
 Concen: 22.835 ug/l
 RT: 4.42 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion: 75 Resp: 110809
 Ion Ratio Lower Upper
 75 100
 110 25.0 14.4 43.2
 77 25.6 23.5 35.3





#37

Ethyl Acetate

Concen: 22.548 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

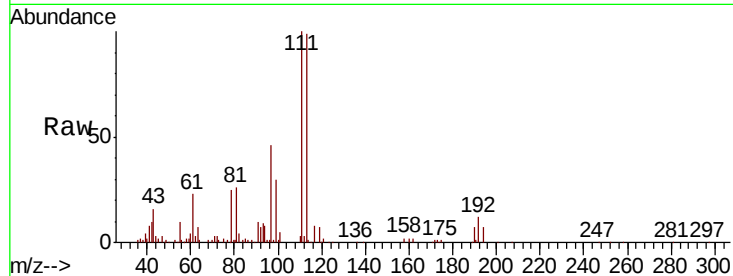
Tgt Ion: 43 Resp: 38648

Ion Ratio Lower Upper

43 100

61 145.9 106.5 159.7

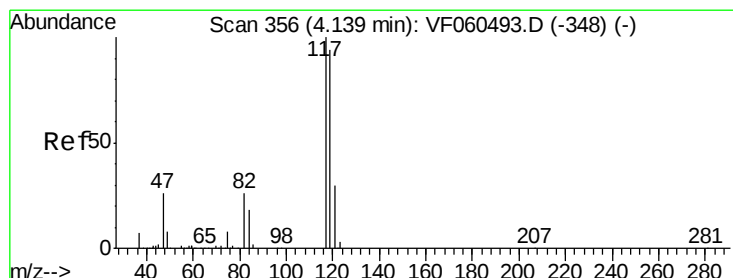
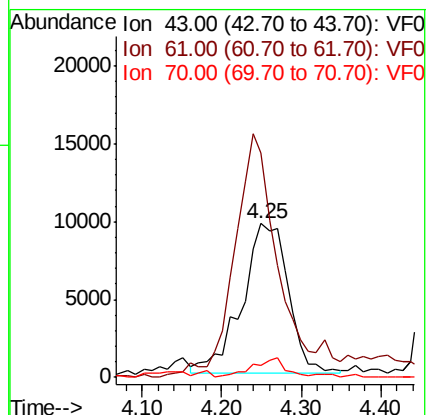
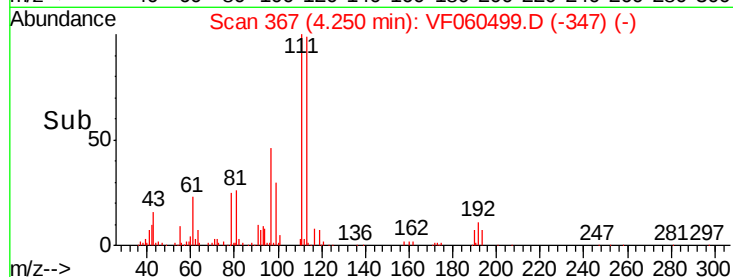
70 7.6 6.5 9.7



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: 23.999 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

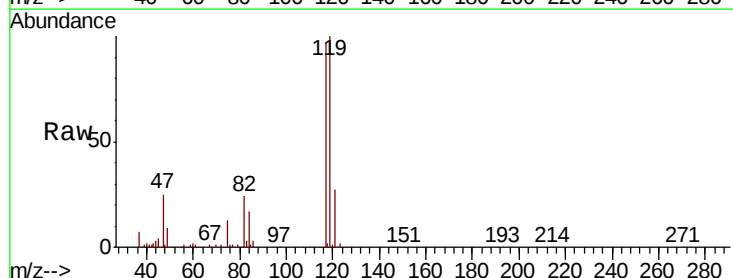
Tgt Ion: 117 Resp: 116980

Ion Ratio Lower Upper

117 100

119 102.0 75.0 112.4

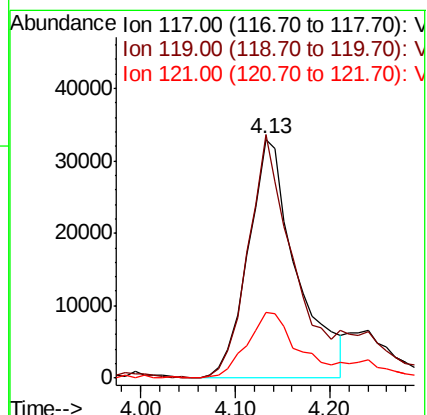
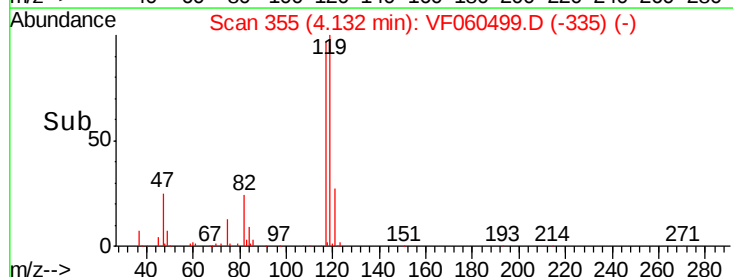
121 27.6 23.8 35.6

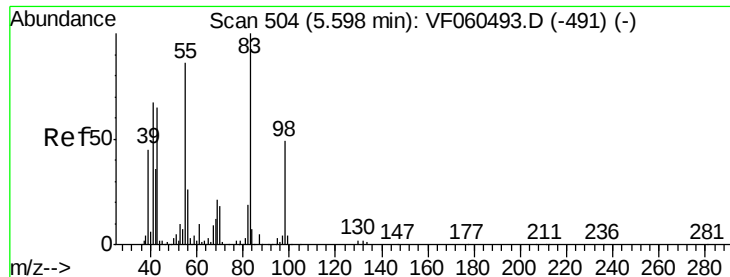


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

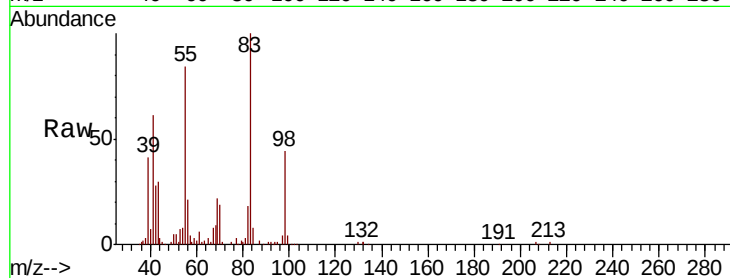




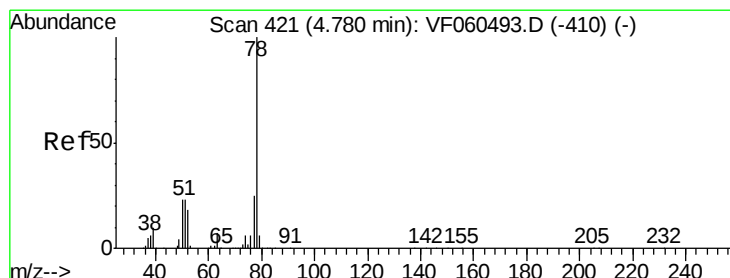
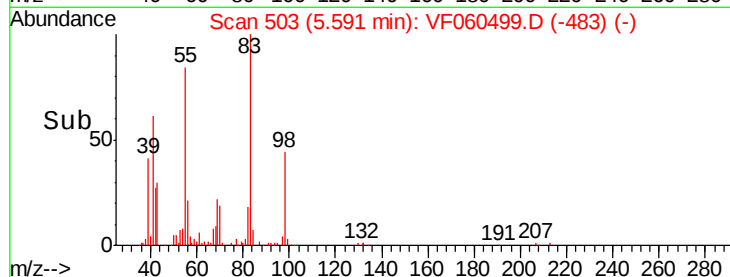
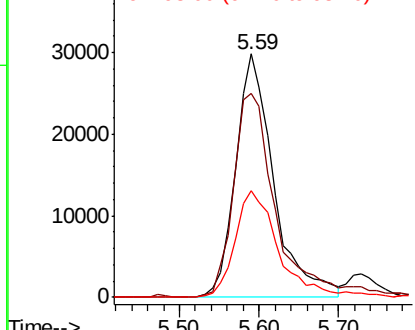
#39
Methylcyclohexane
Concen: 21.654 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.6	69.2	103.8
98	43.5	39.6	59.4

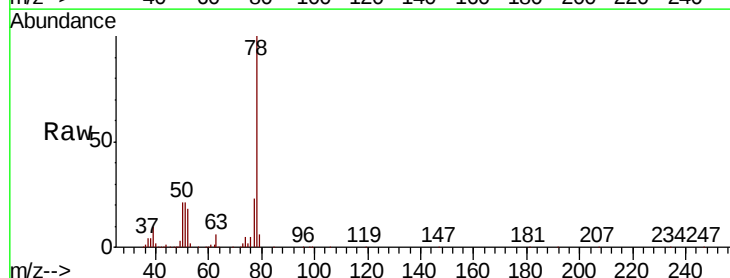


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

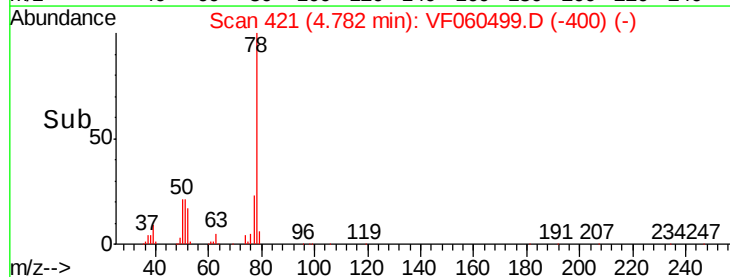
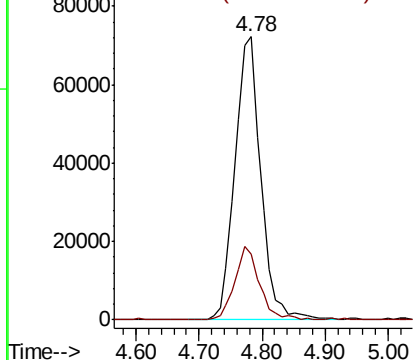


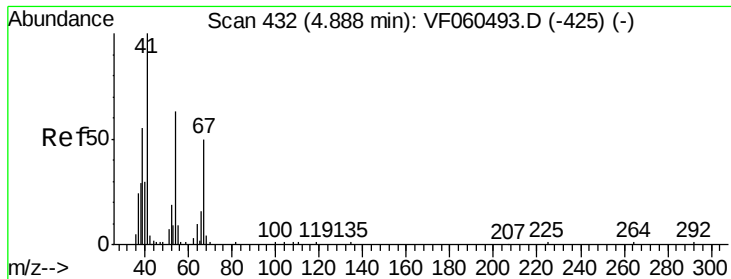
#40
Benzene
Concen: 20.531 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.8	29.8



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





#41

Methacrylonitrile

Concen: 19.699 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tgt Ion: 41 Resp: 19184

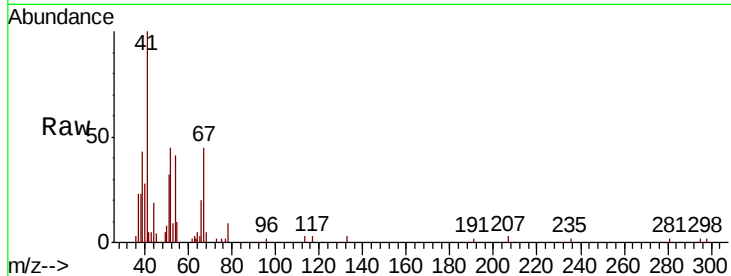
Ion Ratio Lower Upper

41 100

39 42.7 53.1 79.7#

67 44.7 39.4 59.0

52 45.3 35.0 52.6

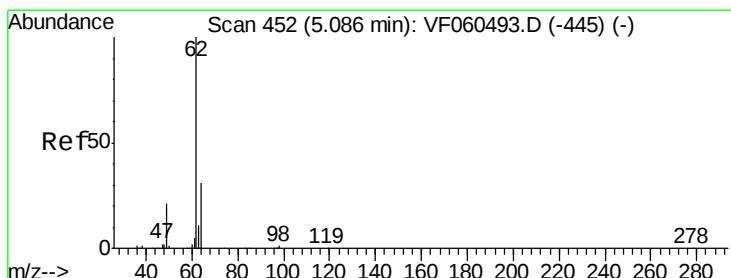
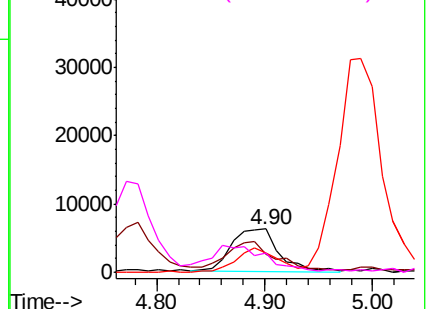
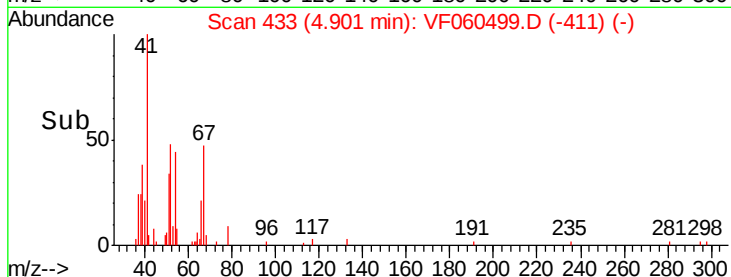


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 20.358 ug/l

RT: 5.08 min Scan# 451

Delta R.T. -0.01 min

Lab File: VF060499.D

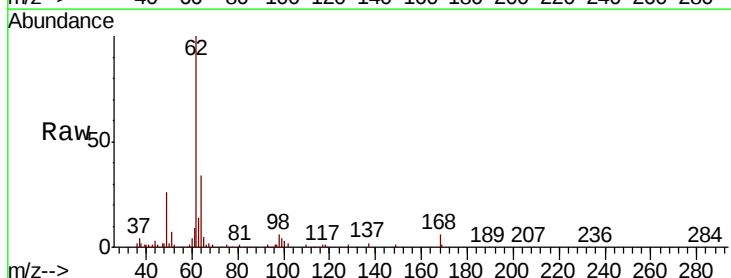
Acq: 9 Oct 2018 20:03

Tgt Ion: 62 Resp: 92015

Ion Ratio Lower Upper

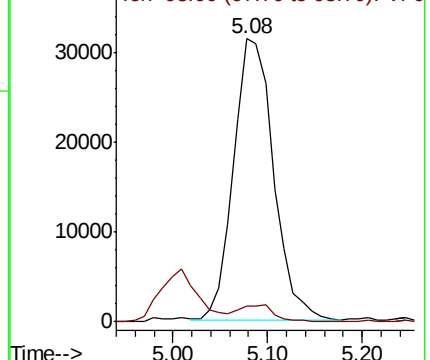
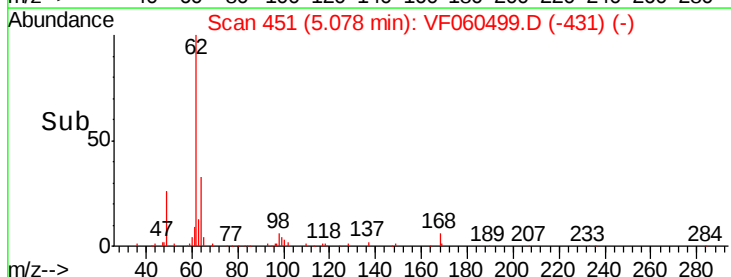
62 100

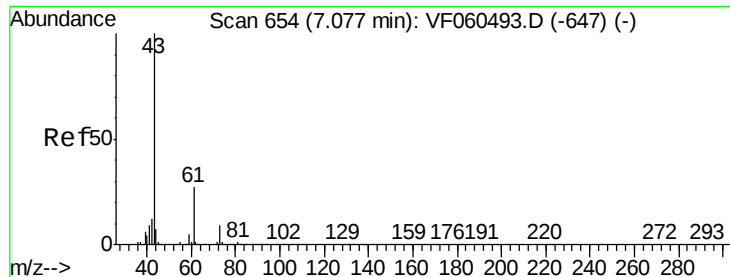
98 5.7 0.0 12.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 18.627 ug/l

RT: 7.08 min Scan# 654

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

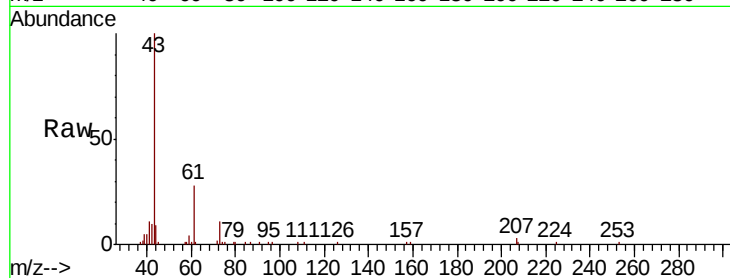
Tgt Ion: 43 Resp: 39793

Ion Ratio Lower Upper

43 100

61 28.3 21.6 32.4

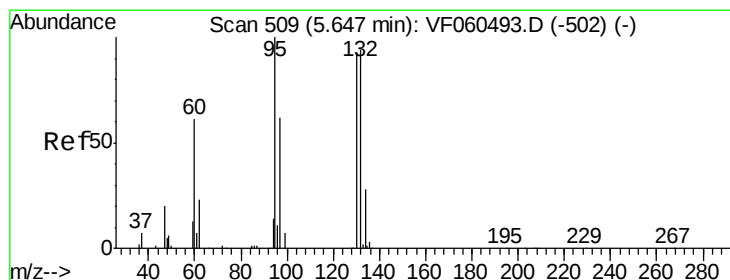
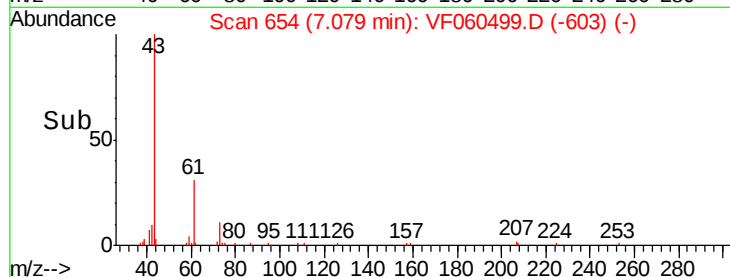
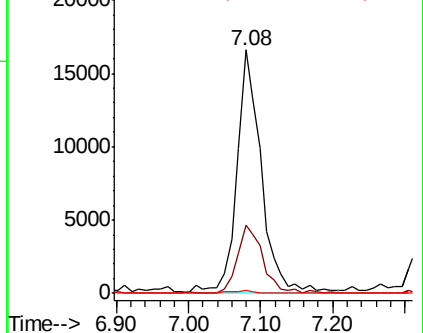
87 1.4 0.6 0.8#



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: 22.817 ug/l

RT: 5.64 min Scan# 508

Delta R.T. -0.01 min

Lab File: VF060499.D

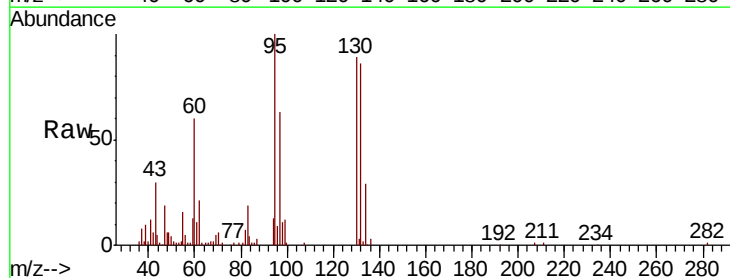
Acq: 9 Oct 2018 20:03

Tgt Ion: 130 Resp: 70818

Ion Ratio Lower Upper

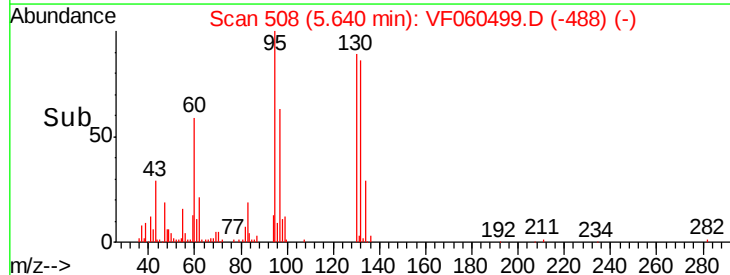
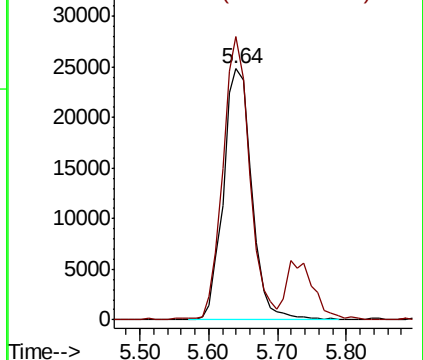
130 100

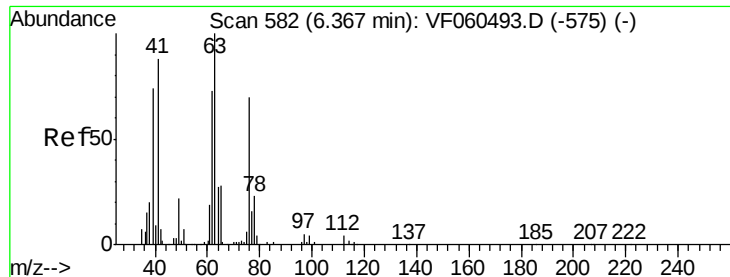
95 112.6 0.0 216.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.358 ug/l

RT: 6.37 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

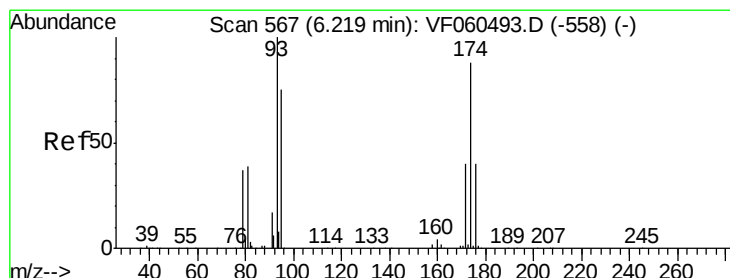
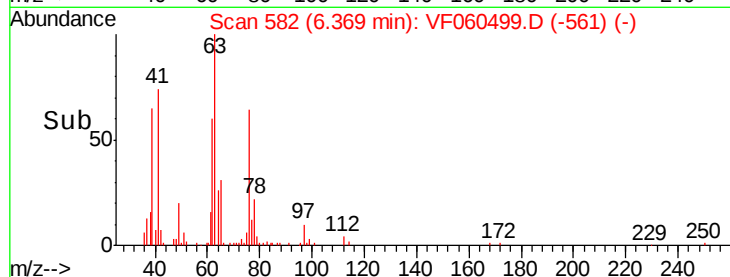
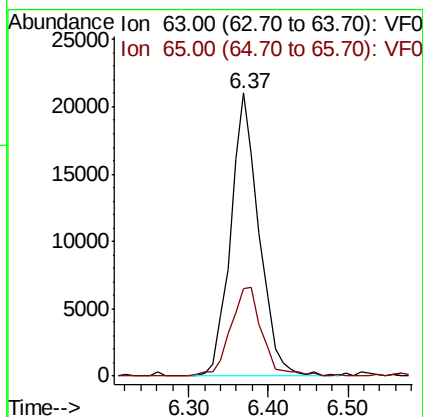
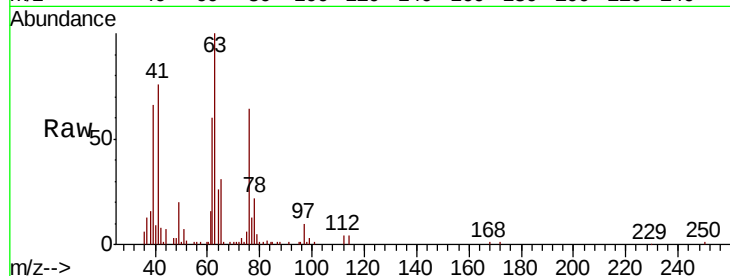
VF1009SBS01

Tgt Ion: 63 Resp: 52090

Ion Ratio Lower Upper

63 100

65 30.9 22.2 33.2



#46

Dibromomethane

Concen: 17.637 ug/l

RT: 6.22 min Scan# 567

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

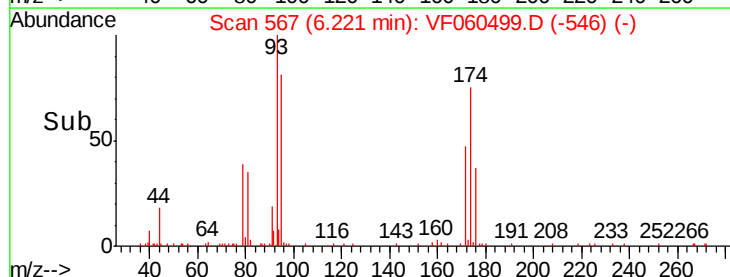
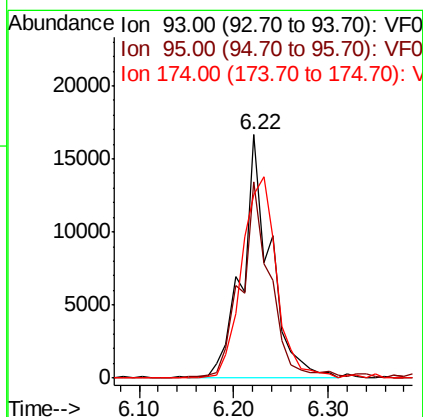
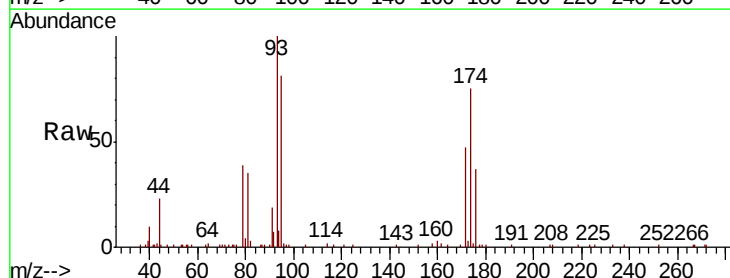
Tgt Ion: 93 Resp: 34505

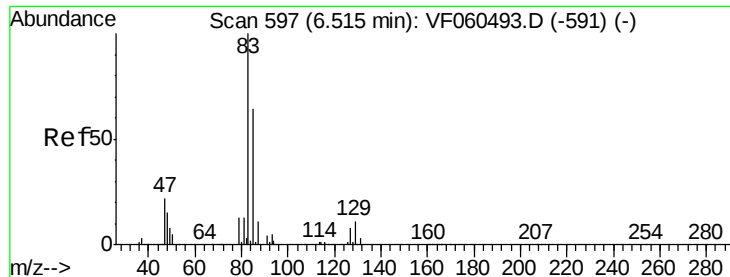
Ion Ratio Lower Upper

93 100

95 80.6 60.0 90.0

174 75.1 71.0 106.6





#47

Bromodichloromethane

Concen: 20.830 ug/l

RT: 6.52 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

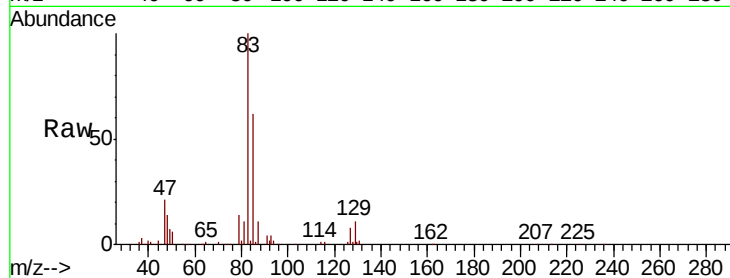
Tgt Ion: 83 Resp: 102921

Ion Ratio Lower Upper

83 100

85 62.2 51.2 76.8

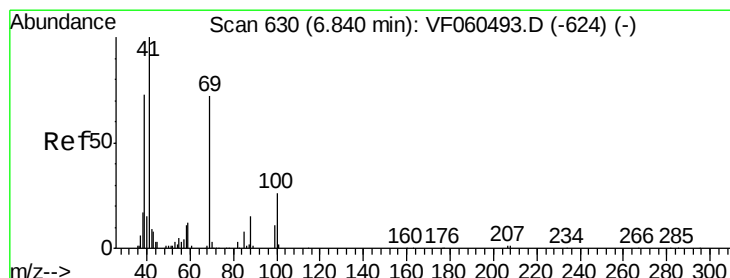
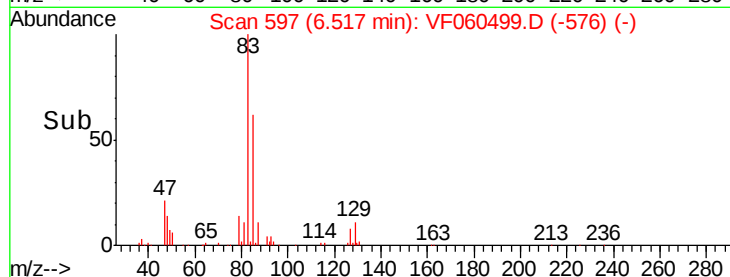
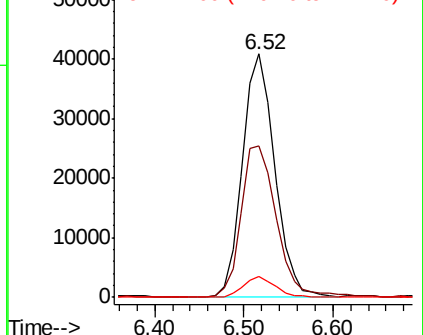
127 9.4 6.5 9.7



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: 19.296 ug/l

RT: 6.84 min Scan# 630

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

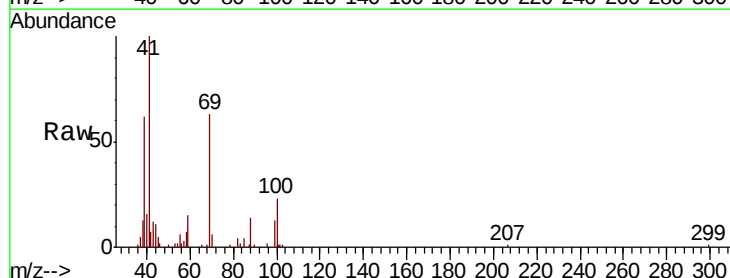
Tgt Ion: 41 Resp: 27923

Ion Ratio Lower Upper

41 100

69 62.6 57.8 86.8

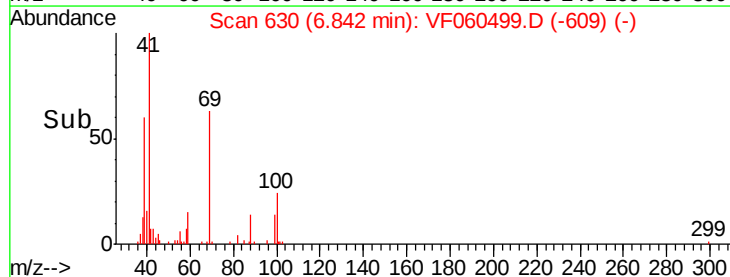
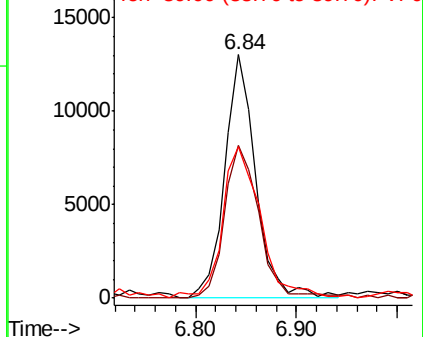
39 62.3 59.1 88.7

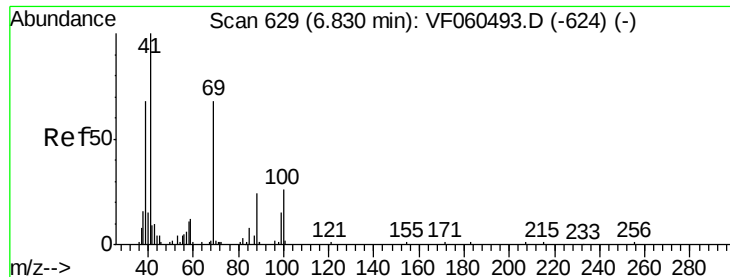


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 393.547 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.02 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

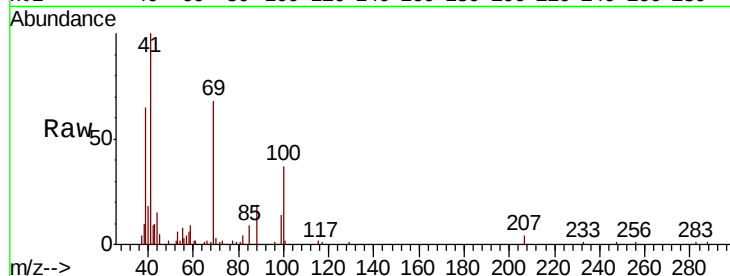
Tgt Ion: 88 Resp: 5399

Ion Ratio Lower Upper

88 100

43 55.6 40.2 60.2

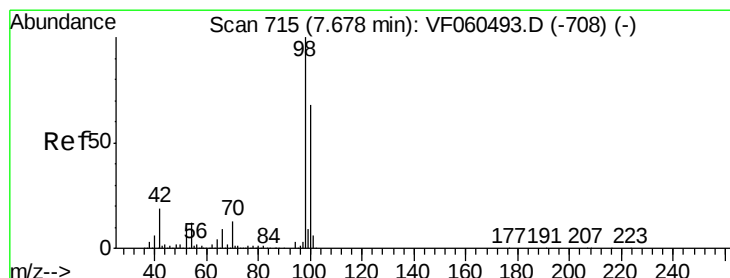
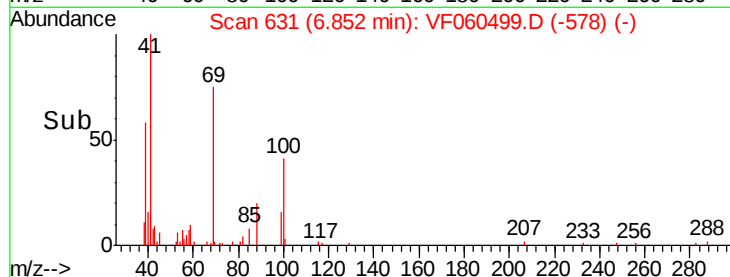
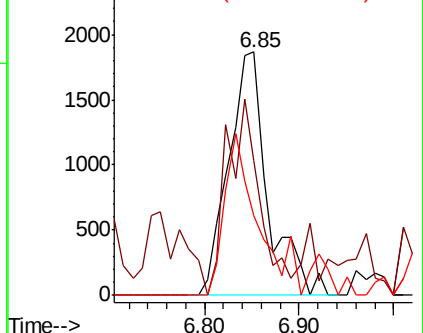
58 32.8 36.3 54.5#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 49.373 ug/l

RT: 7.68 min Scan# 715

Delta R.T. 0.00 min

Lab File: VF060499.D

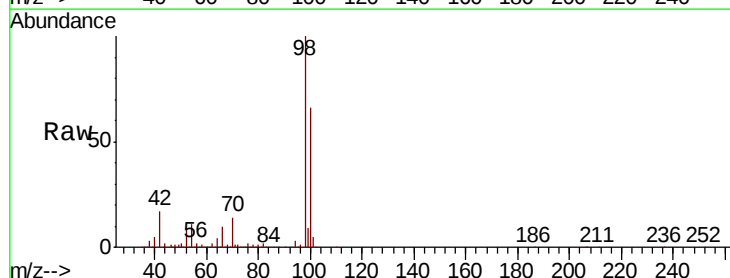
Acq: 9 Oct 2018 20:03

Tgt Ion: 98 Resp: 455715

Ion Ratio Lower Upper

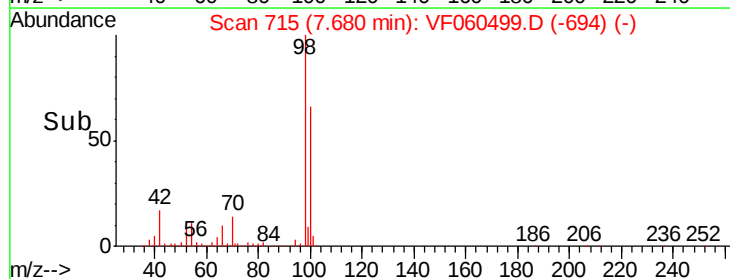
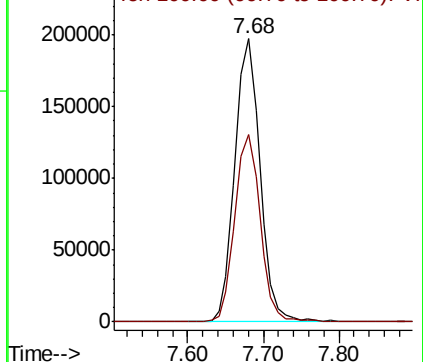
98 100

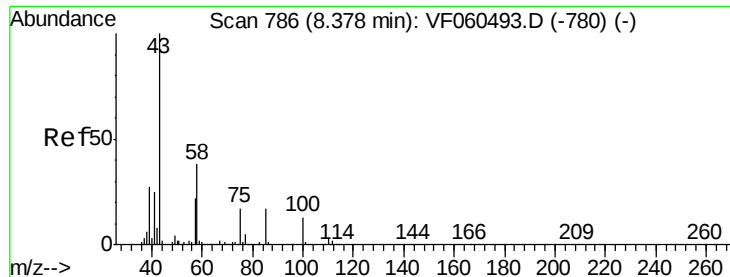
100 66.3 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 95.753 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

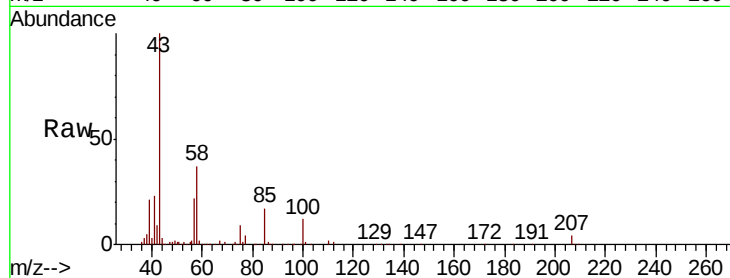
VF1009SBS01

Tgt Ion: 43 Resp: 142693

Ion Ratio Lower Upper

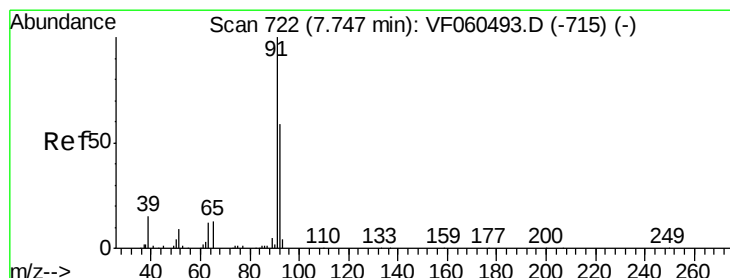
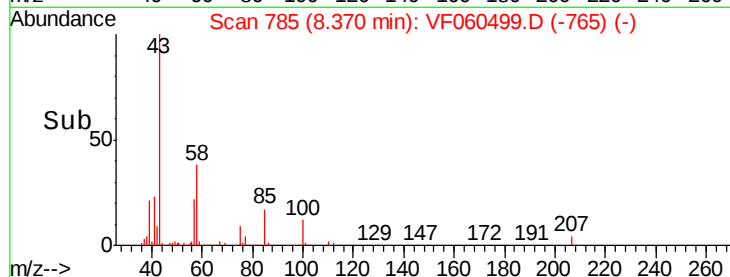
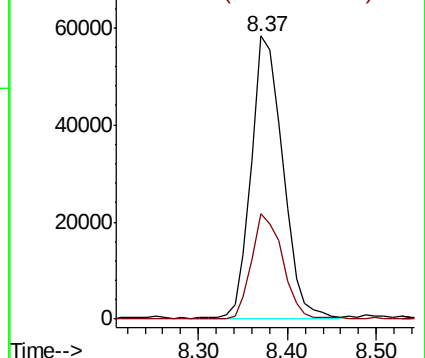
43 100

58 37.3 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.877 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.00 min

Lab File: VF060499.D

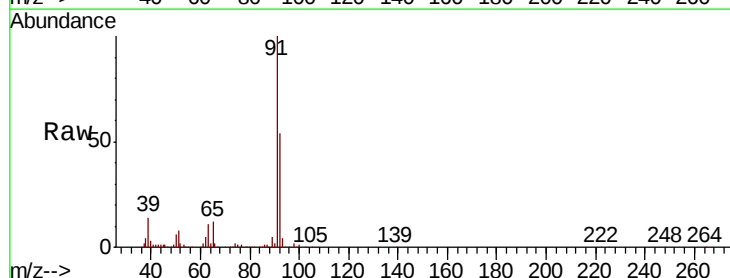
Acq: 9 Oct 2018 20:03

Tgt Ion: 92 Resp: 124725

Ion Ratio Lower Upper

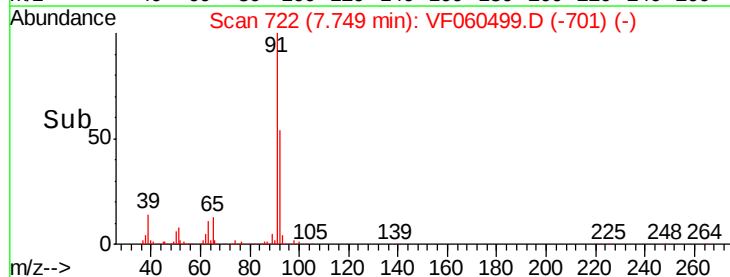
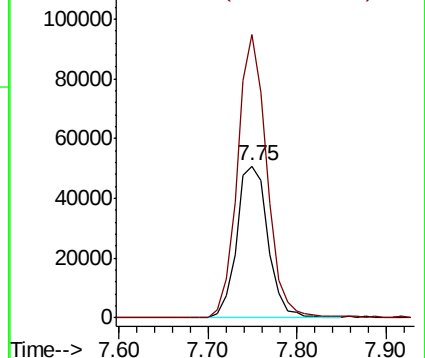
92 100

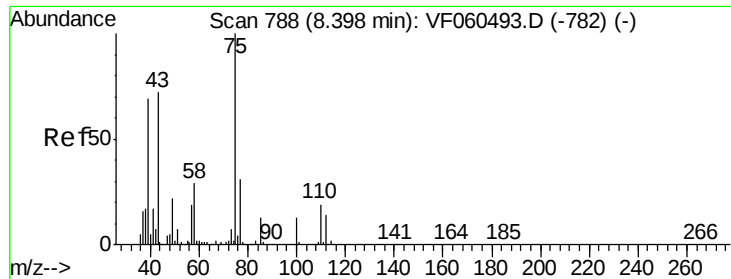
91 186.6 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 19.833 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

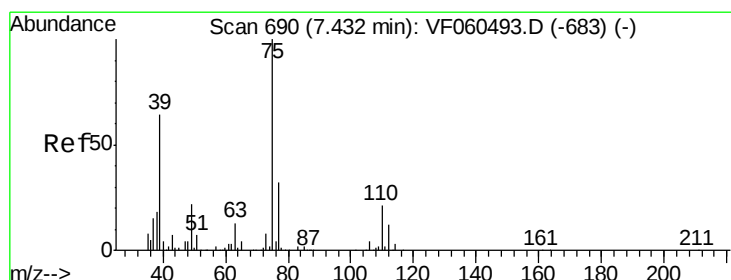
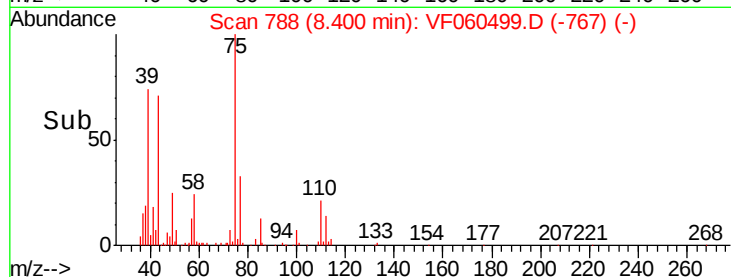
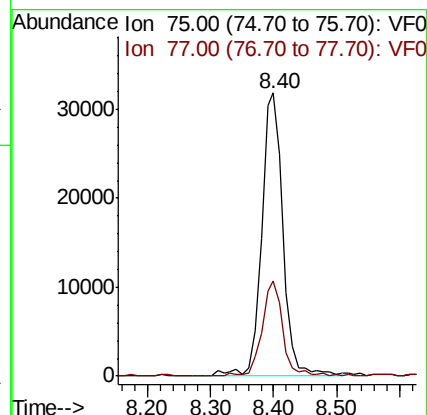
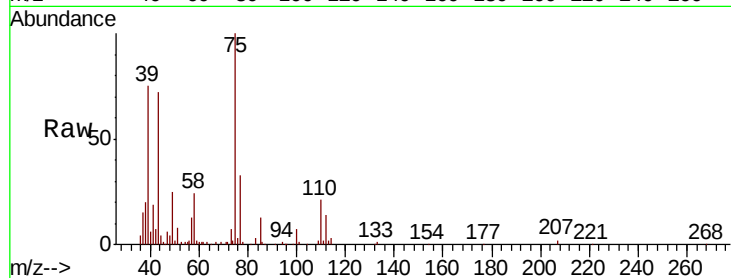
VF1009SBS01

Tgt Ion: 75 Resp: 76108

Ion Ratio Lower Upper

75 100

77 33.5 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.504 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

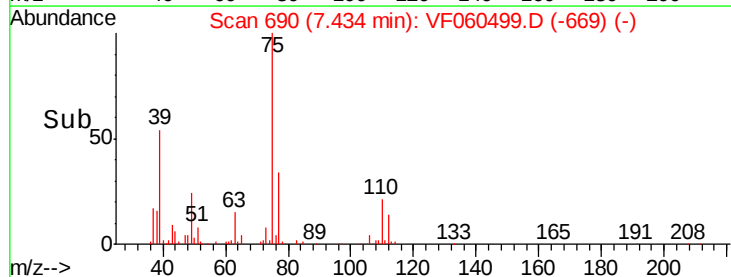
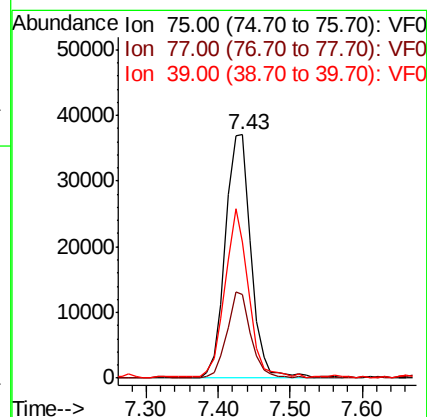
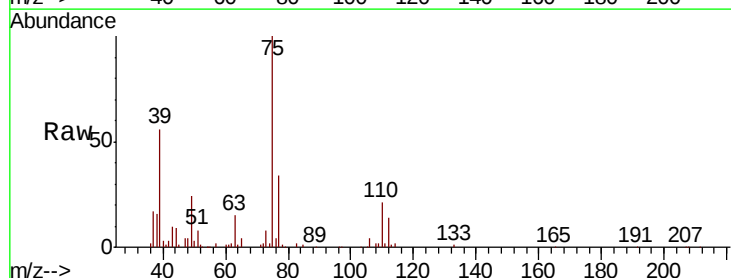
Tgt Ion: 75 Resp: 91638

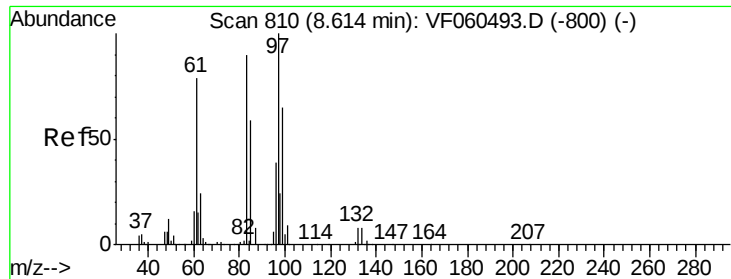
Ion Ratio Lower Upper

75 100

77 34.4 26.0 39.0

39 55.6 51.2 76.8





#55

1,1,2-Trichloroethane

Concen: 19.908 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tgt Ion: 97 Resp: 38392

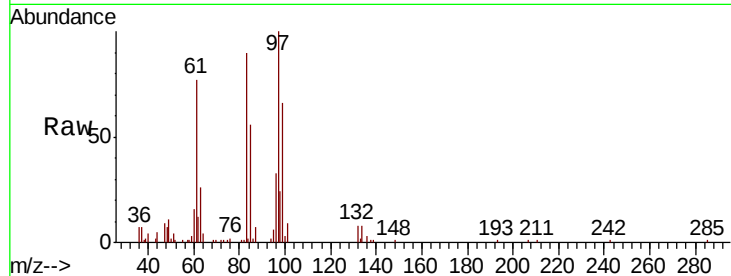
Ion Ratio Lower Upper

97 100

83 90.2 71.9 107.9

85 56.3 47.8 71.8

99 65.6 52.0 78.0

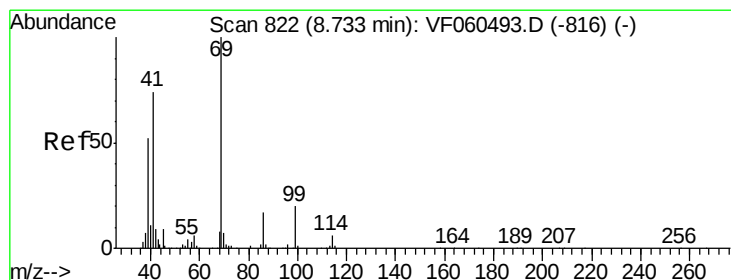
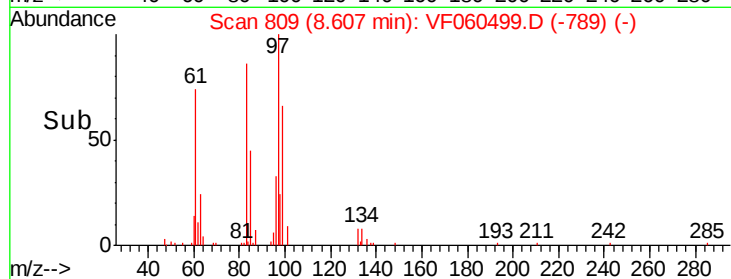
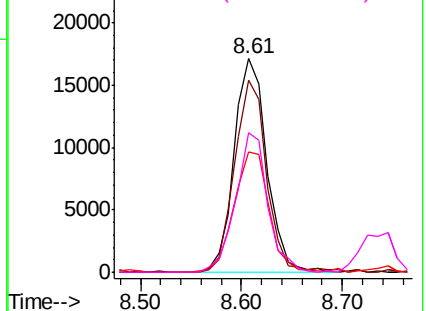


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 16.594 ug/l

RT: 8.74 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

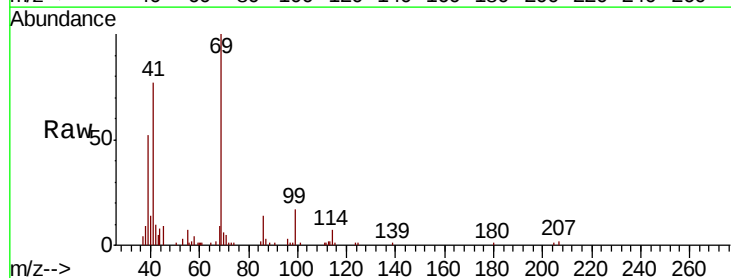
Tgt Ion: 69 Resp: 37025

Ion Ratio Lower Upper

69 100

41 76.6 59.3 88.9

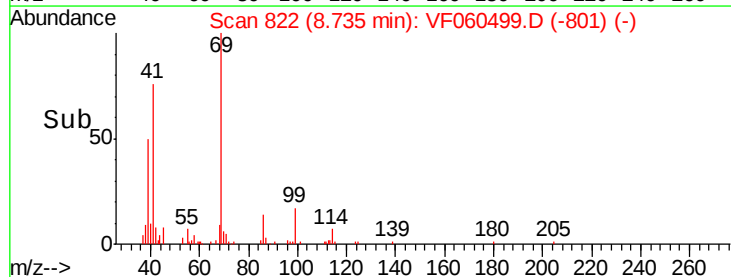
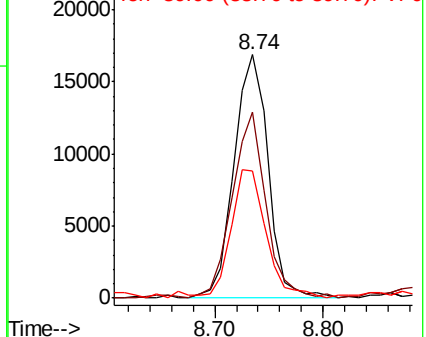
39 52.1 41.8 62.6

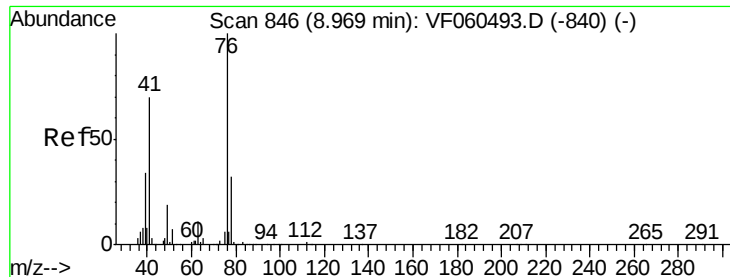


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.088 ug/l

RT: 8.97 min Scan# 846

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

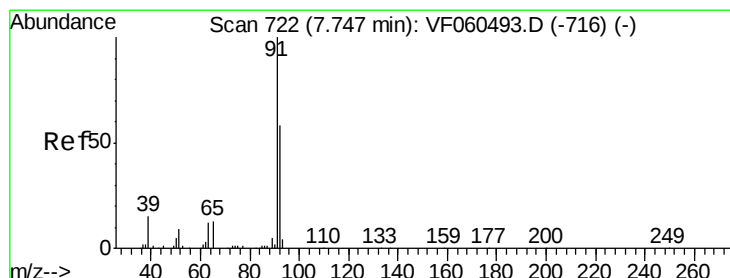
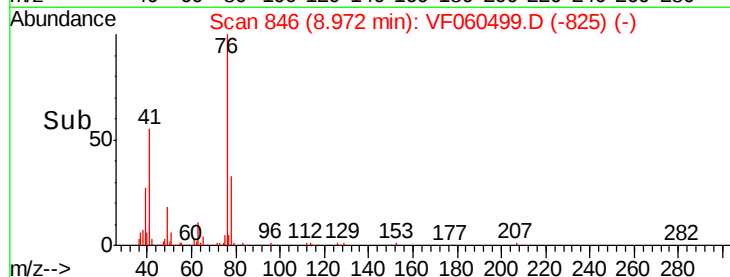
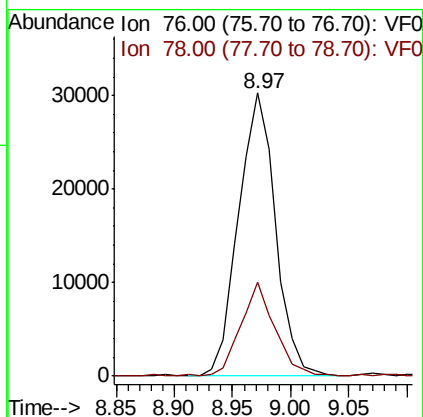
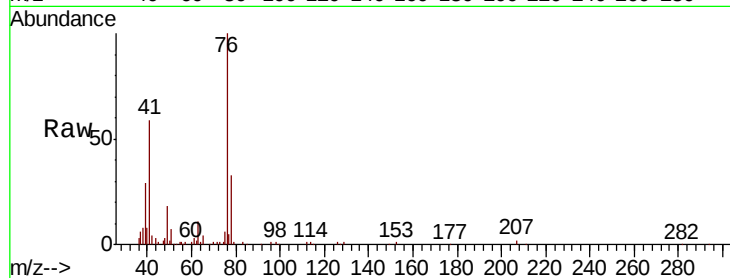
VF1009SBS01

Tgt Ion: 76 Resp: 66705

Ion Ratio Lower Upper

76 100

78 33.2 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 105.996 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.00 min

Lab File: VF060499.D

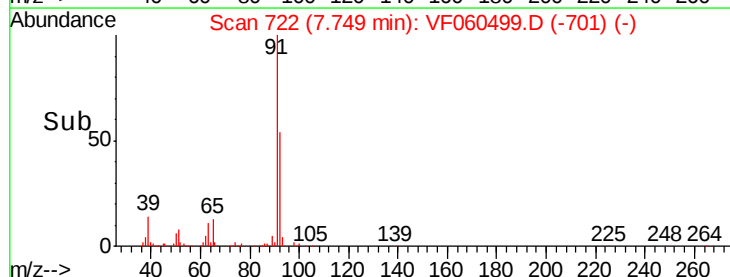
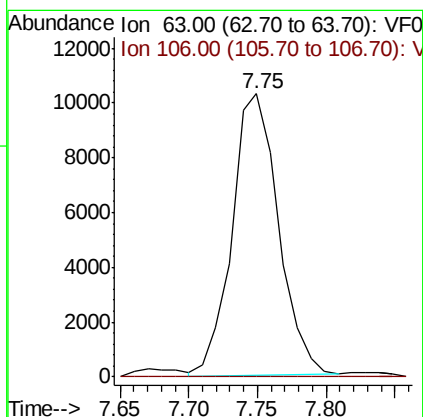
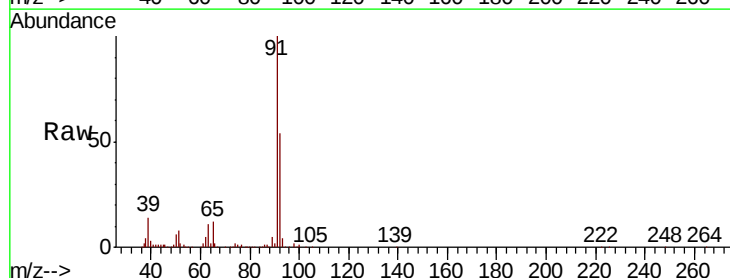
Acq: 9 Oct 2018 20:03

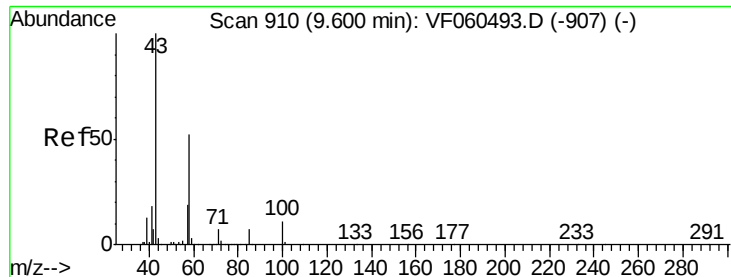
Tgt Ion: 63 Resp: 24033

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

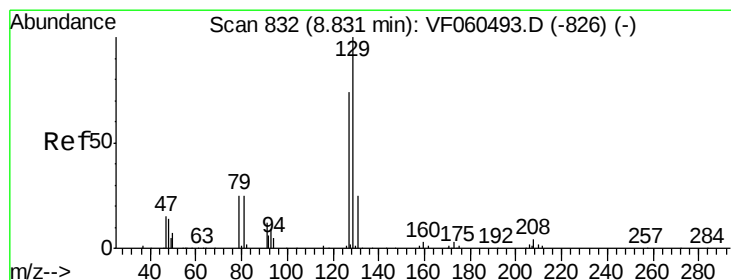
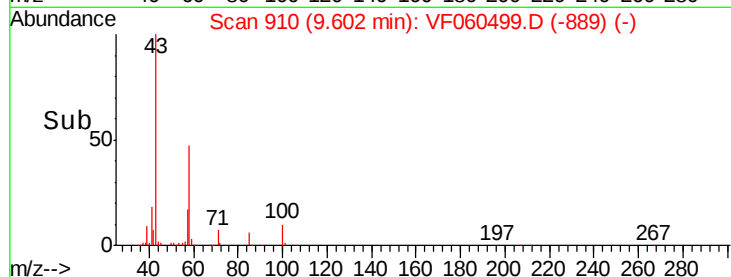
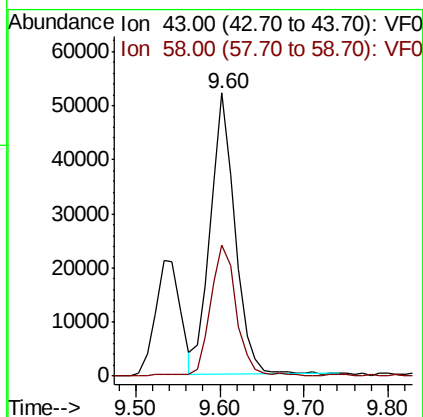
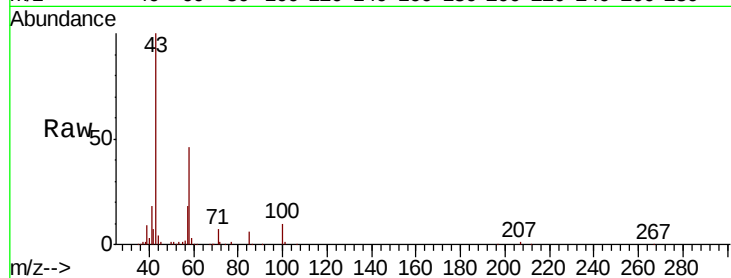




#59
2-Hexanone
Concen: 98.284 ug/l
RT: 9.60 min Scan# 910
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

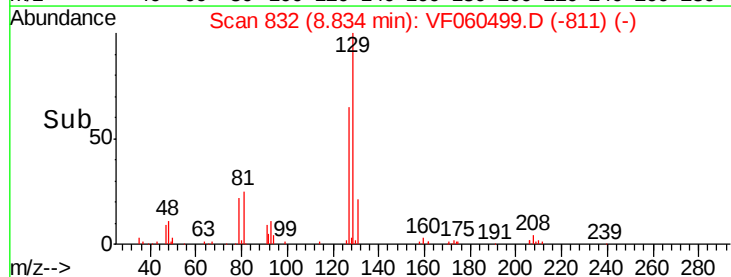
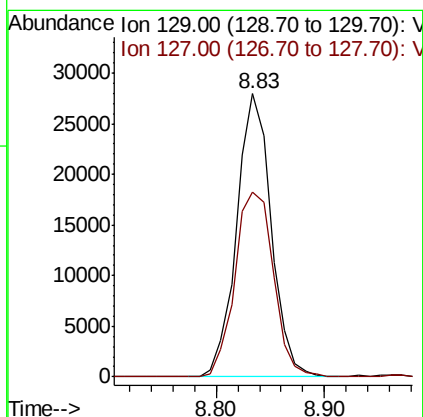
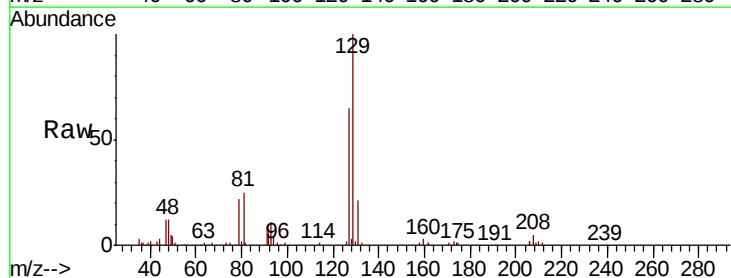
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

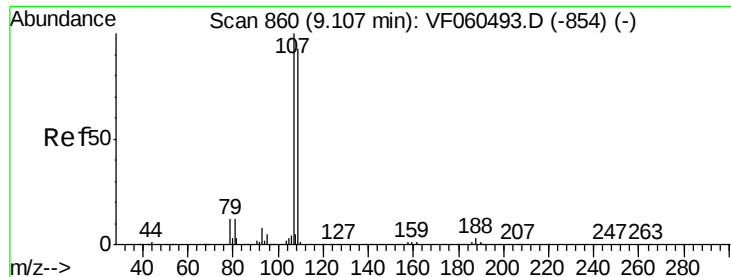
Tgt Ion: 43 Resp: 105944
Ion Ratio Lower Upper
43 100
58 46.4 24.2 72.6



#60
Dibromochloromethane
Concen: 20.506 ug/l
RT: 8.83 min Scan# 832
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion: 129 Resp: 62073
Ion Ratio Lower Upper
129 100
127 65.1 37.0 110.9





#61

1,2-Dibromoethane

Concen: 19.823 ug/l

RT: 9.11 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

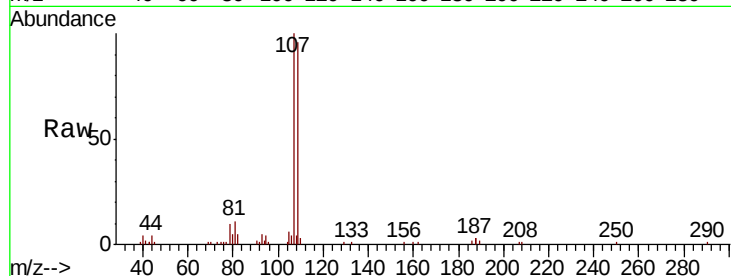
VF1009SBS01

Tgt Ion: 107 Resp: 43193

Ion Ratio Lower Upper

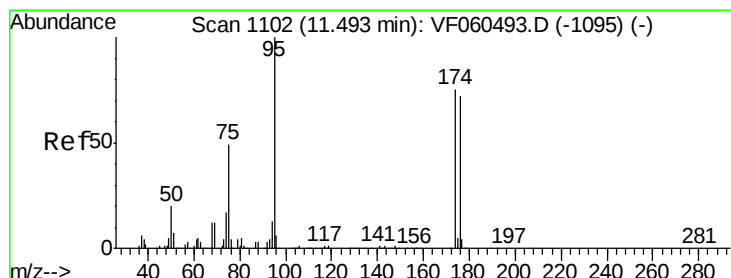
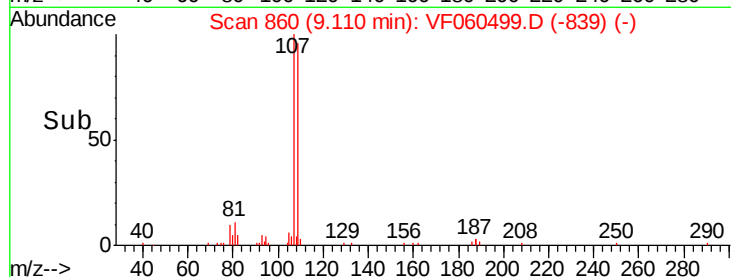
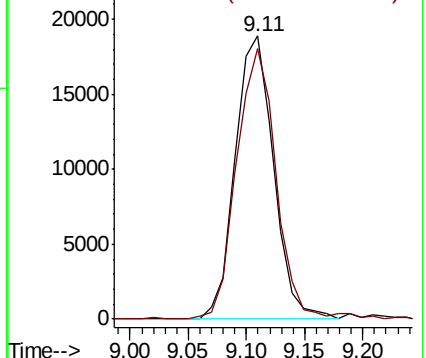
107 100

109 95.5 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.169 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

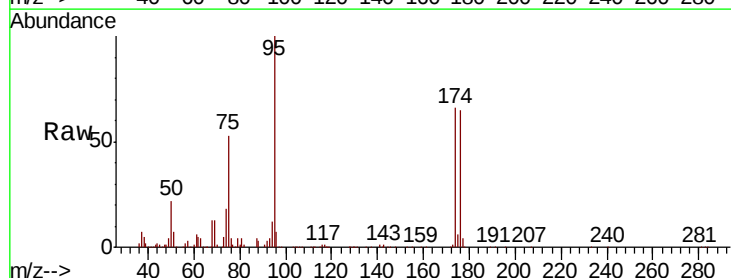
Tgt Ion: 95 Resp: 207217

Ion Ratio Lower Upper

95 100

174 66.3 0.0 150.4

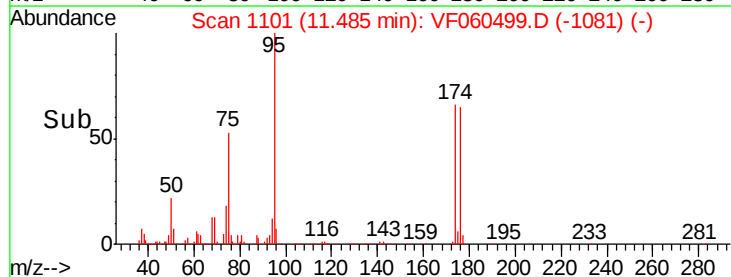
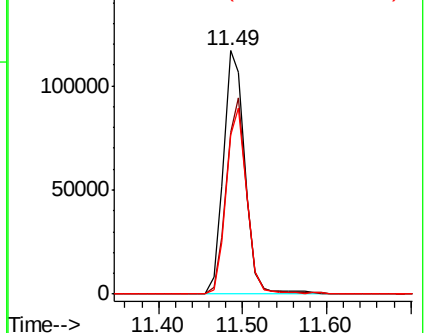
176 65.3 0.0 144.6

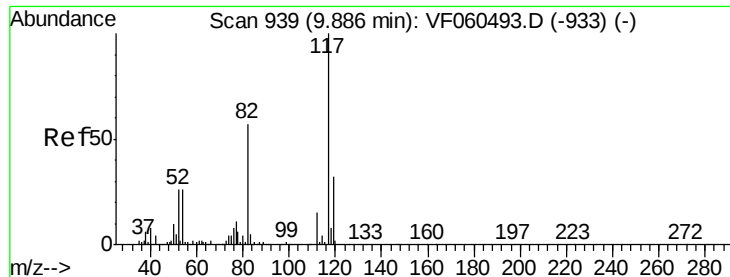


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

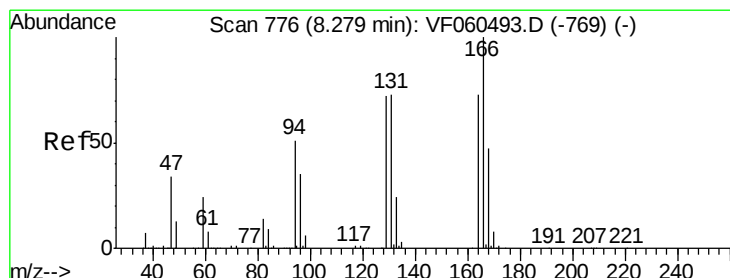
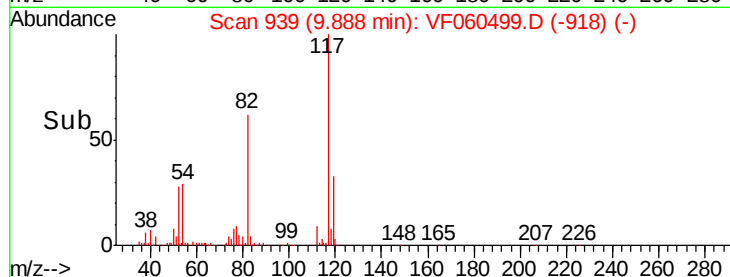
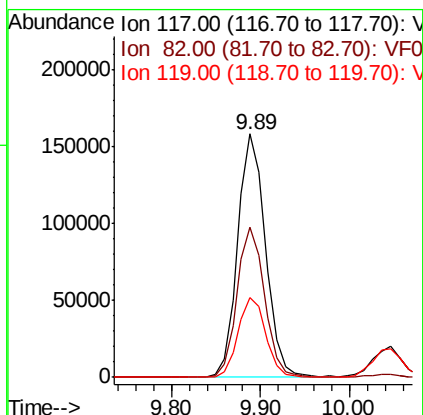
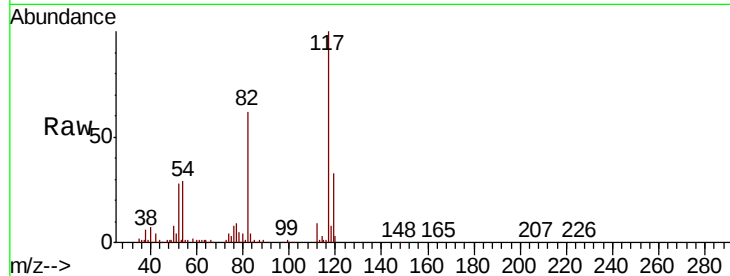




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 939
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

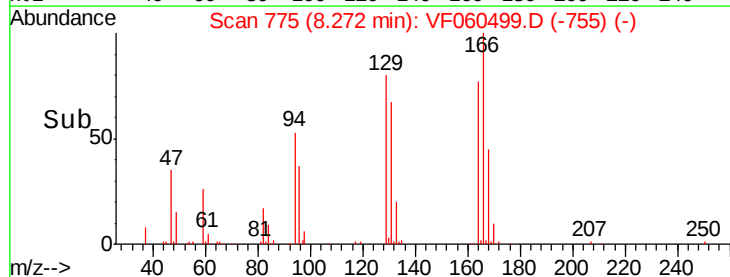
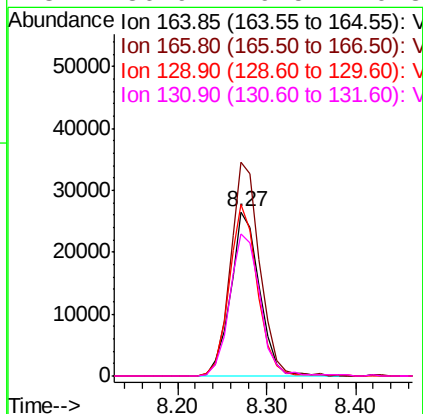
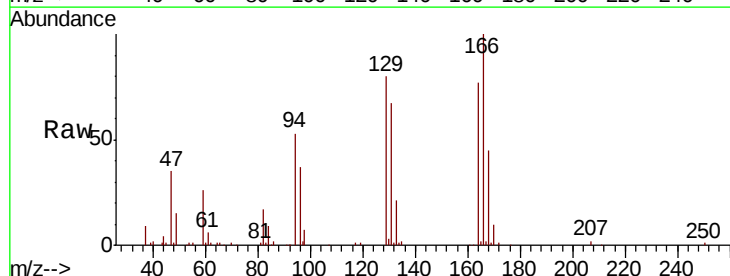
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

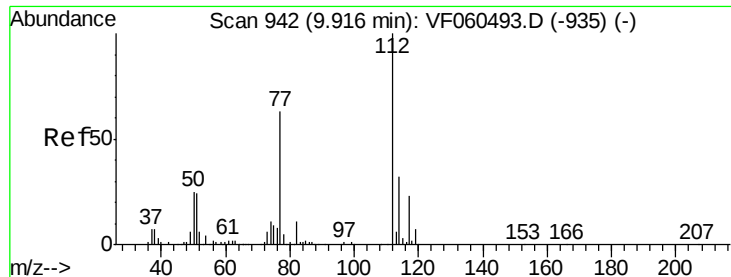
Tgt Ion:117 Resp: 345842
Ion Ratio Lower Upper
117 100
82 61.6 45.6 68.4
119 32.8 25.3 37.9



#64
Tetrachloroethene
Concen: 21.789 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion:164 Resp: 59727
Ion Ratio Lower Upper
164 100
166 130.0 109.4 164.0
129 104.1 78.9 118.3
131 86.9 79.5 119.3

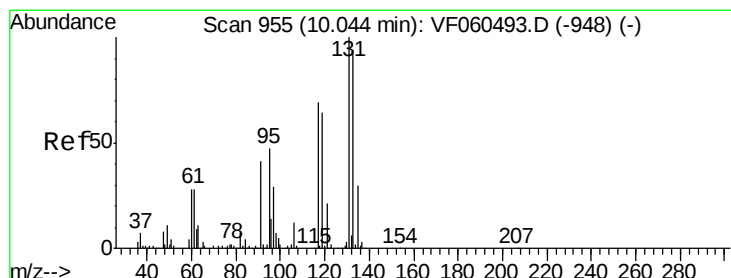
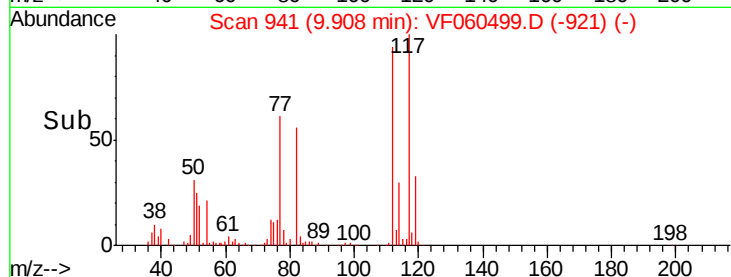
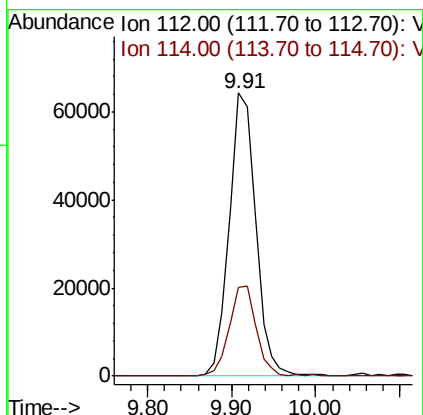
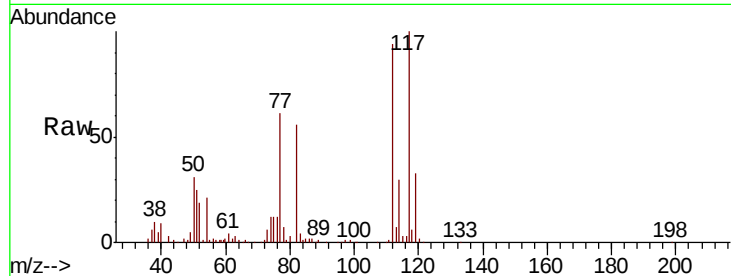




#65
Chlorobenzene
Concen: 21.150 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

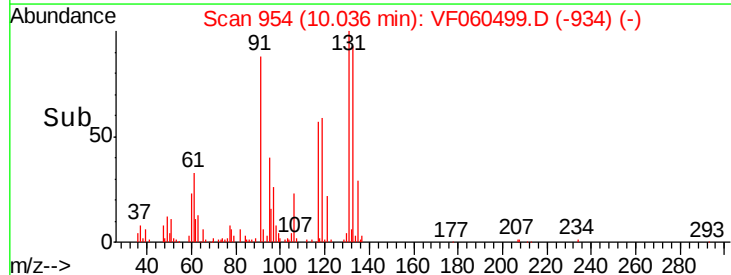
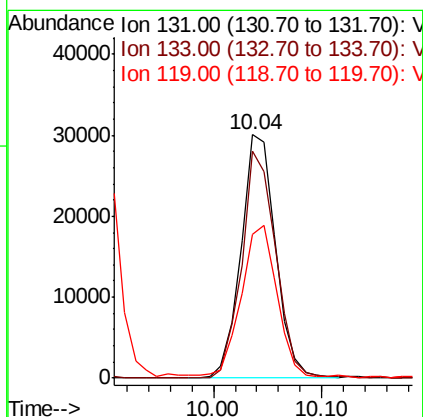
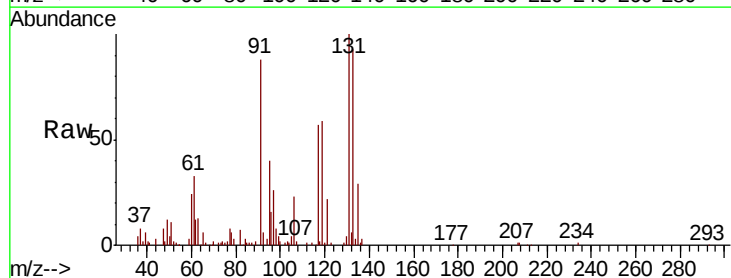
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

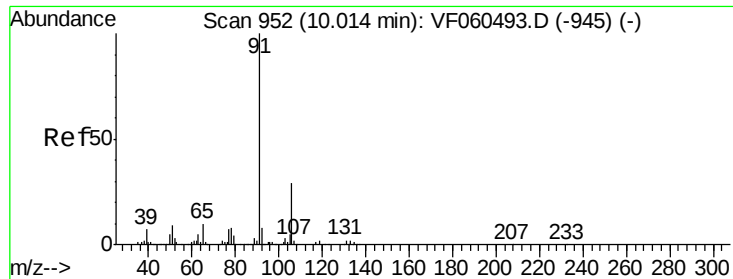
Tgt Ion:112 Resp: 142056
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 22.128 ug/l
RT: 10.04 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion:131 Resp: 66946
Ion Ratio Lower Upper
131 100
133 93.0 47.1 141.4
119 59.2 32.0 96.2

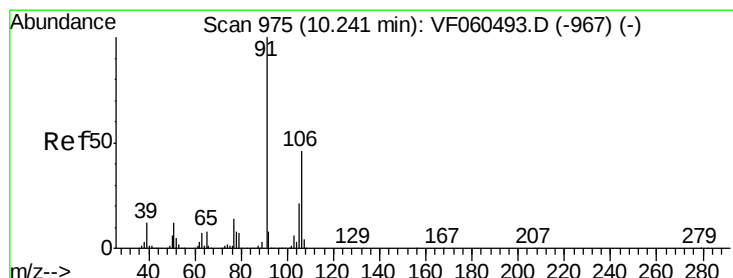
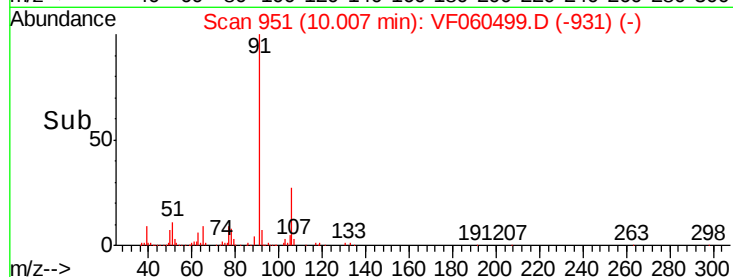
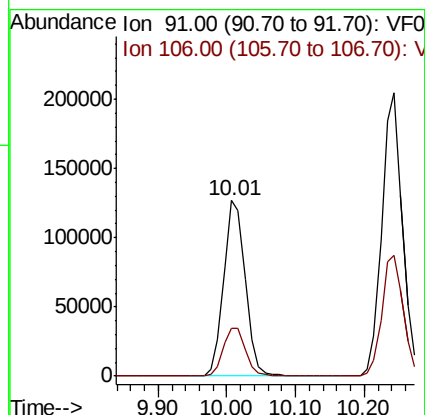
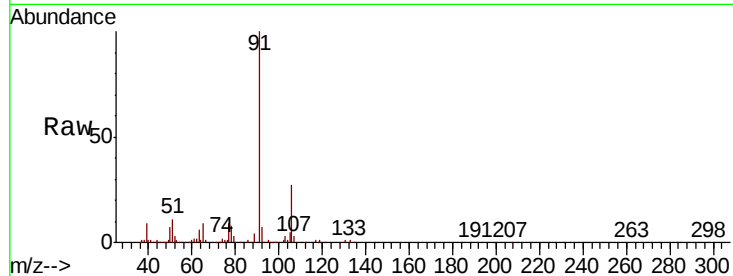




#67
Ethyl Benzene
Concen: 21.858 ug/l
RT: 10.01 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

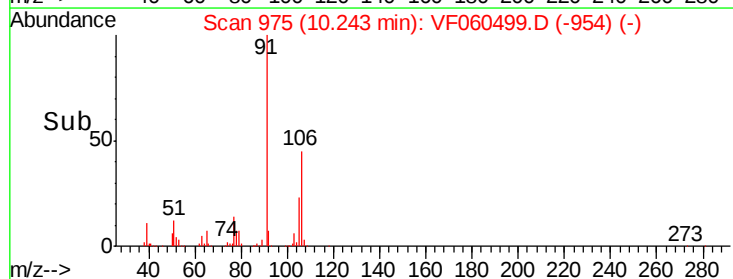
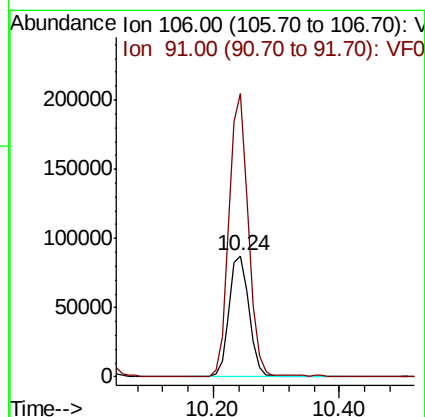
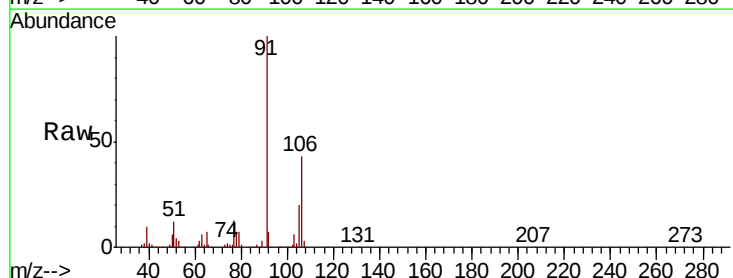
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

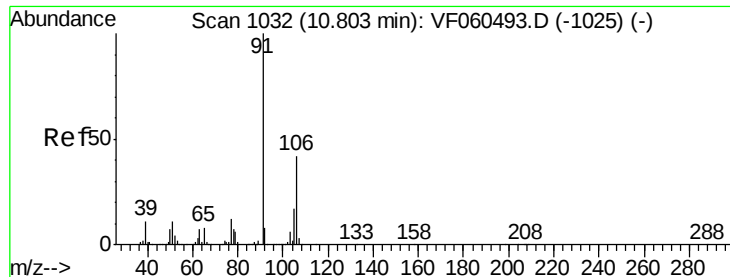
Tgt Ion: 91 Resp: 276975
Ion Ratio Lower Upper
91 100
106 27.1 23.3 34.9



#68
m/p-Xylenes
Concen: 44.462 ug/l
RT: 10.24 min Scan# 975
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion: 106 Resp: 192329
Ion Ratio Lower Upper
106 100
91 233.6 174.6 262.0

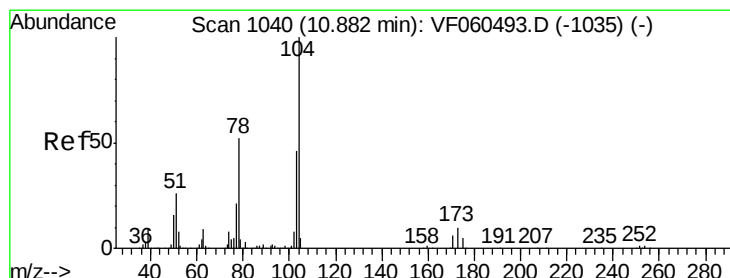
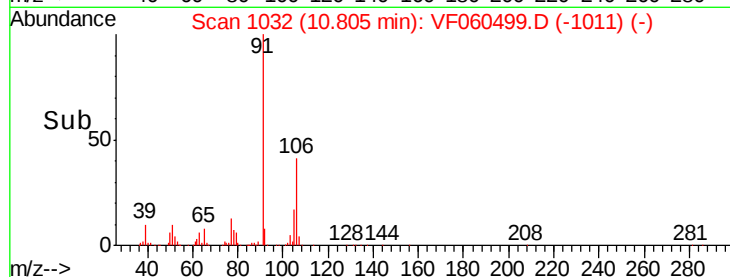
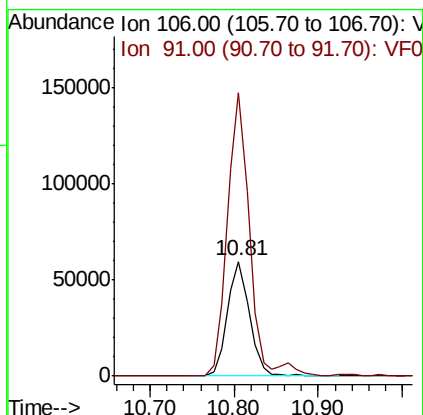
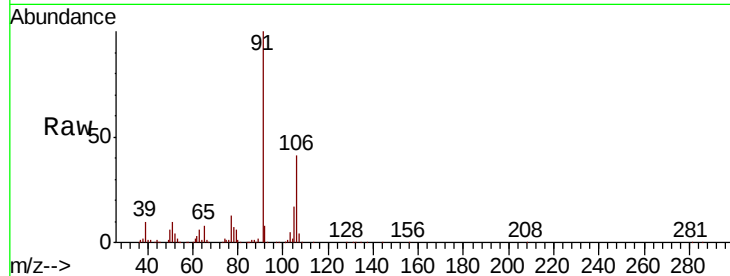




#69
o-Xylene
Concen: 23.060 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

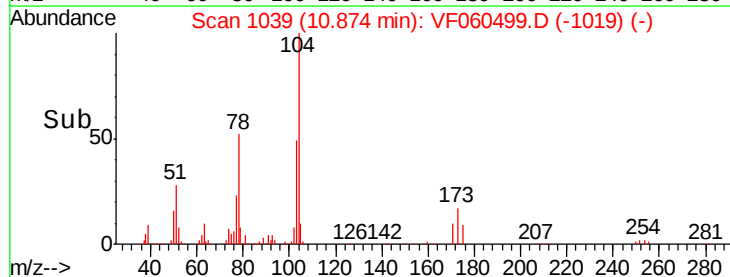
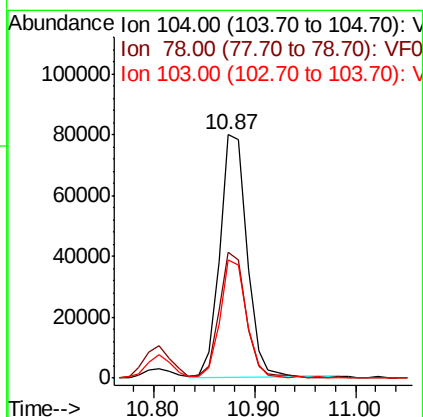
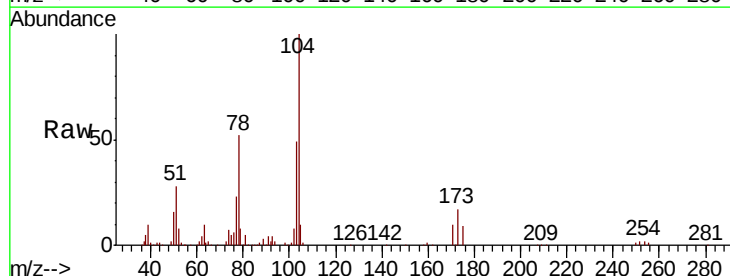
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

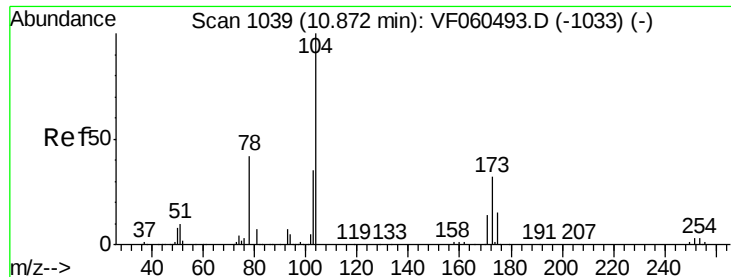
Tgt Ion:106 Resp: 108481
Ion Ratio Lower Upper
106 100
91 246.7 118.8 356.3



#70
Styrene
Concen: 22.265 ug/l
RT: 10.87 min Scan# 1039
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion:104 Resp: 150764
Ion Ratio Lower Upper
104 100
78 51.8 42.7 64.1
103 48.8 37.6 56.4





#71

Bromoform

Concen: 21.904 ug/l

RT: 10.86 min Scan# 1038

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

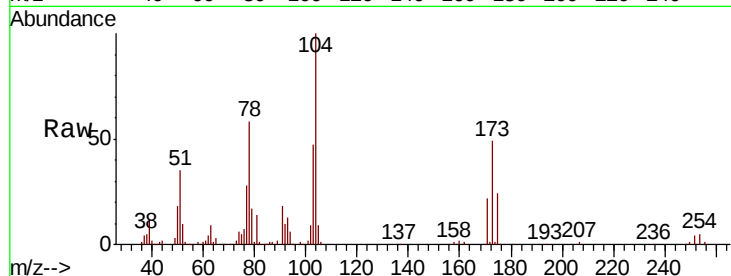
Tgt Ion:173 Resp: 33597

Ion Ratio Lower Upper

173 100

175 48.3 23.2 69.6

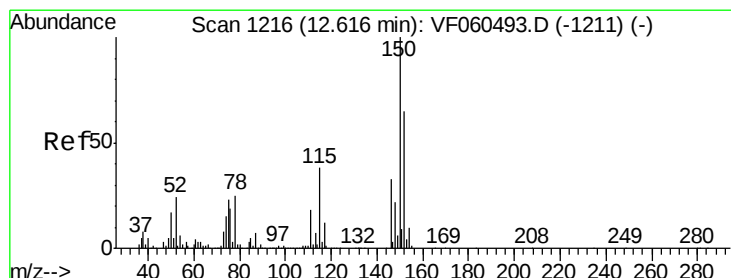
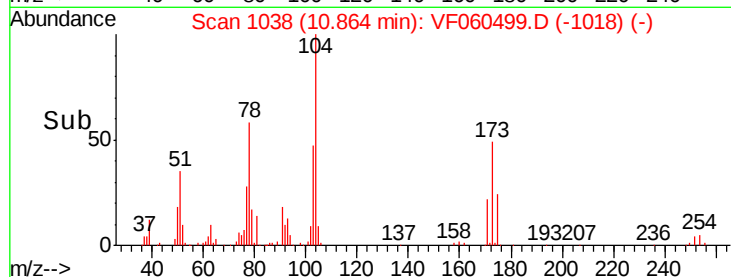
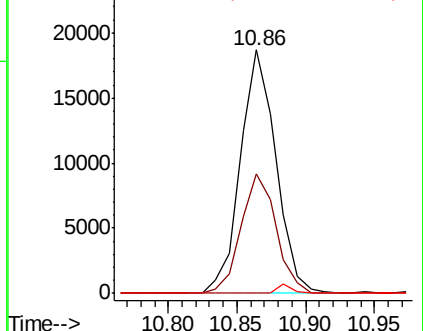
254 0.0 0.2 0.2#



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: 12.62 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

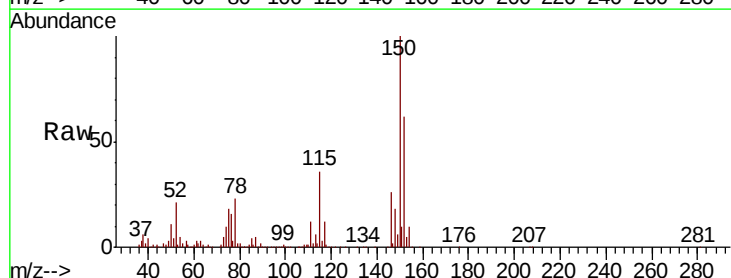
Tgt Ion:152 Resp: 196781

Ion Ratio Lower Upper

152 100

115 58.3 29.5 88.5

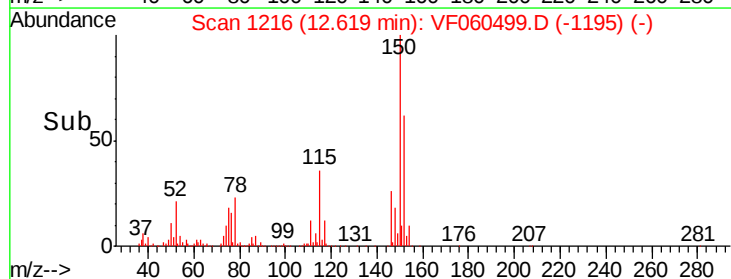
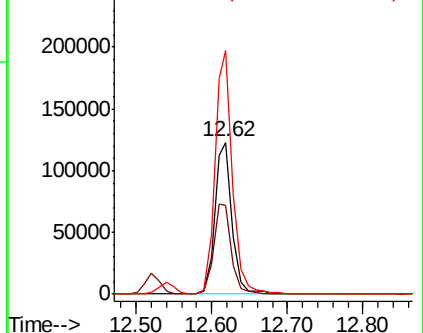
150 160.4 0.0 310.0

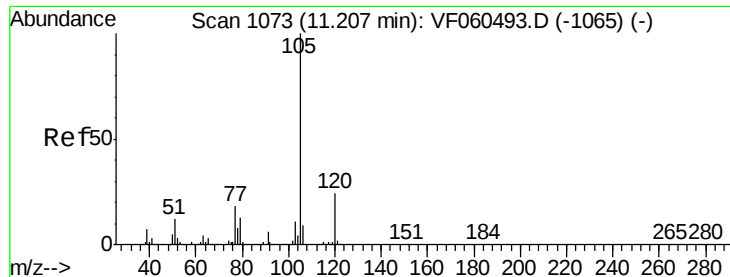


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.664 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

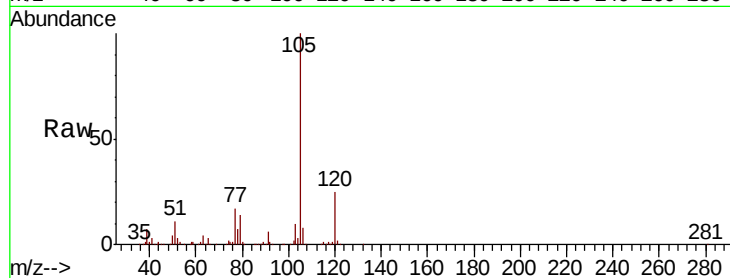
VF1009SBS01

Tgt Ion: 105 Resp: 331510

Ion Ratio Lower Upper

105 100

120 25.1 11.9 35.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

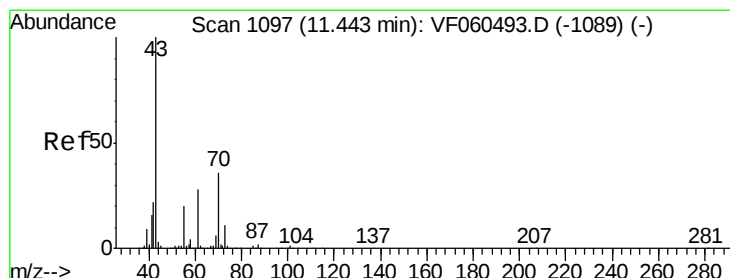
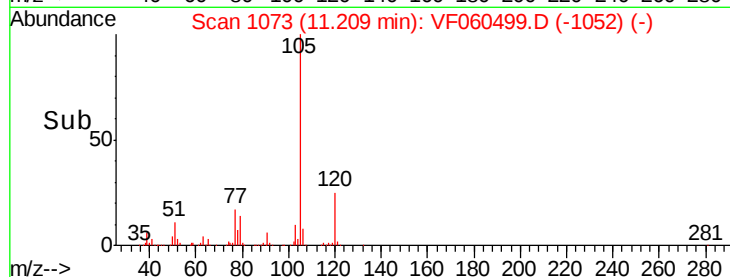
100000

50000

0

11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 19.568 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Tgt Ion: 43 Resp: 62300

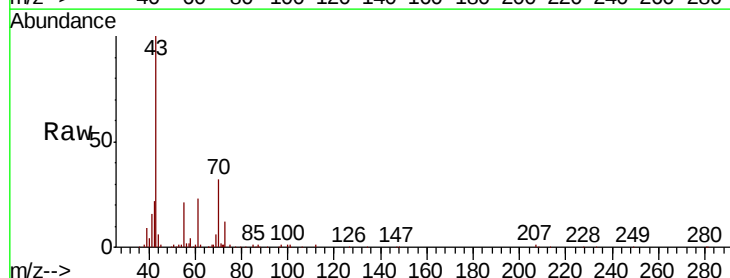
Ion Ratio Lower Upper

43 100

70 31.9 28.7 43.1

55 21.2 16.1 24.1

61 23.5 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

50000

40000

30000

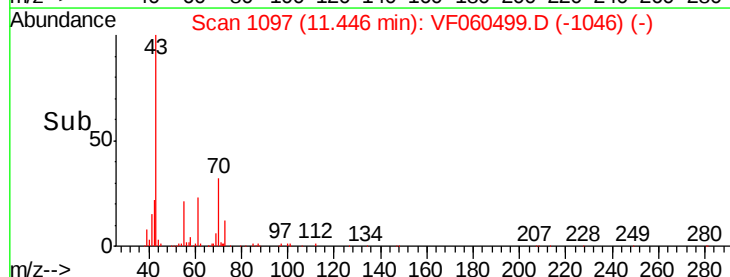
20000

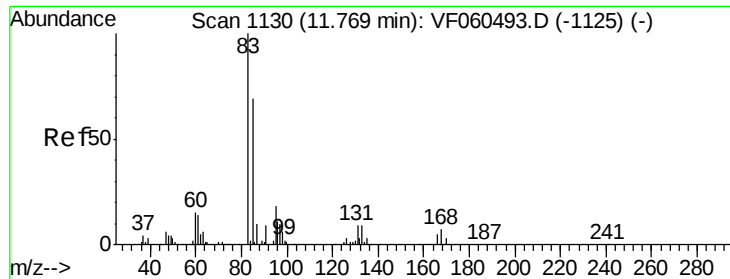
10000

0

11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.300 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

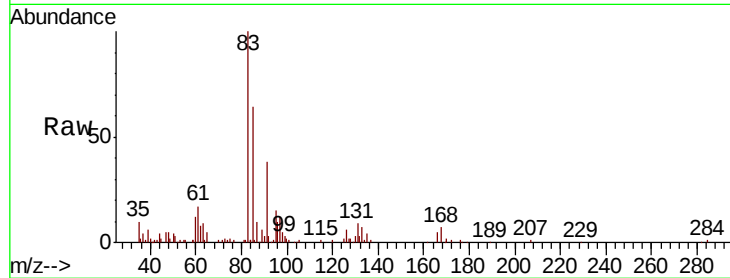
Tgt Ion: 83 Resp: 54826

Ion Ratio Lower Upper

83 100

131 9.4 4.5 13.4

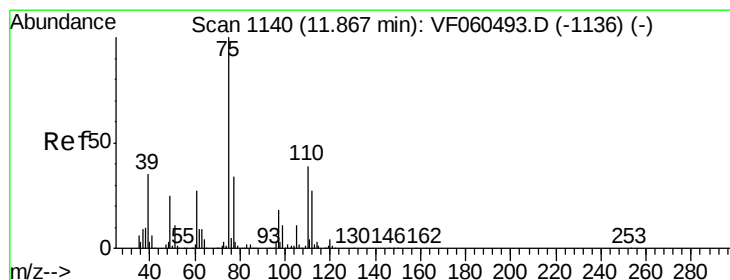
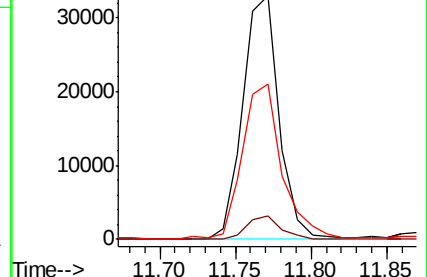
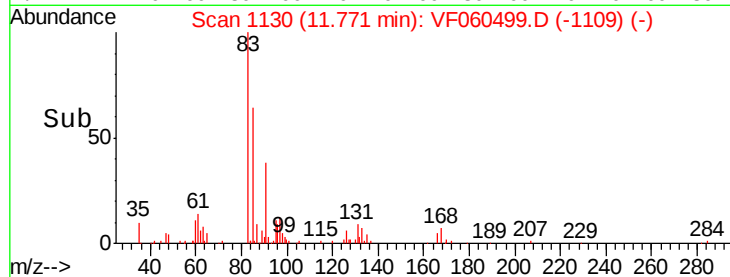
85 63.8 34.8 104.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.430 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF060499.D

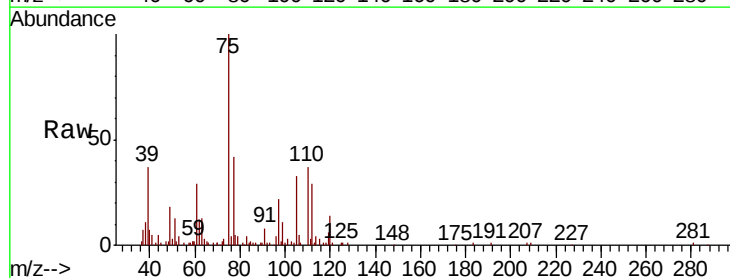
Acq: 9 Oct 2018 20:03

Tgt Ion: 75 Resp: 38829

Ion Ratio Lower Upper

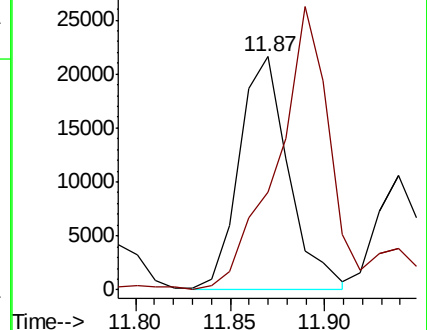
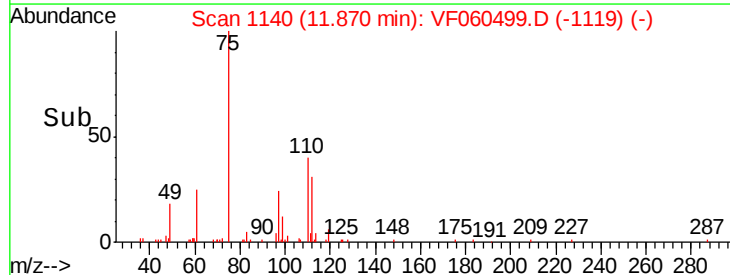
75 100

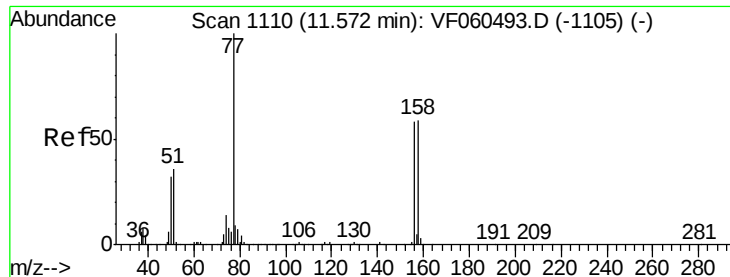
77 41.9 17.4 52.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.360 ug/l

RT: 11.57 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

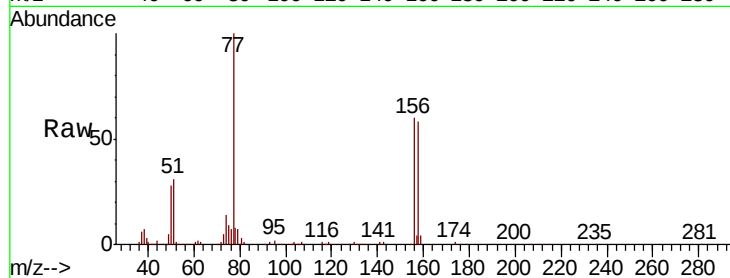
Tgt Ion:156 Resp: 69432

Ion Ratio Lower Upper

156 100

77 166.6 86.3 258.8

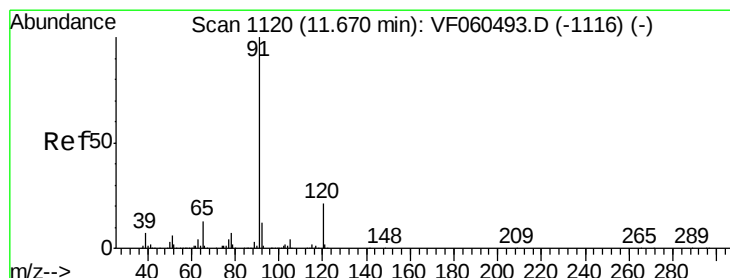
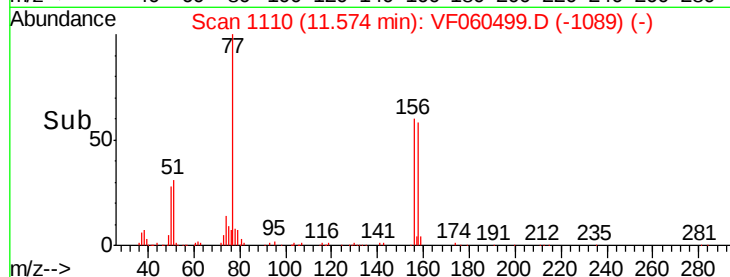
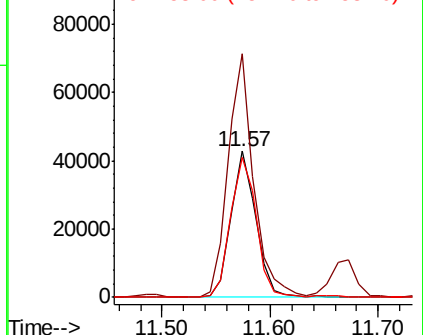
158 95.9 51.1 153.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.893 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF060499.D

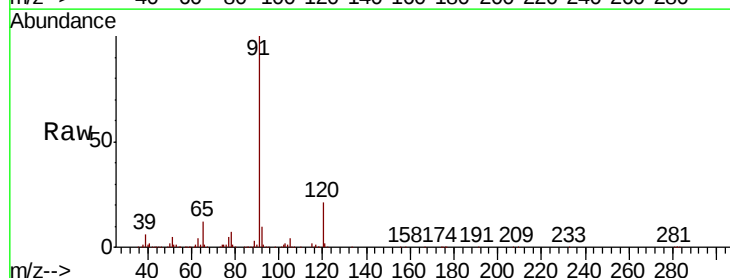
Acq: 9 Oct 2018 20:03

Tgt Ion: 91 Resp: 398815

Ion Ratio Lower Upper

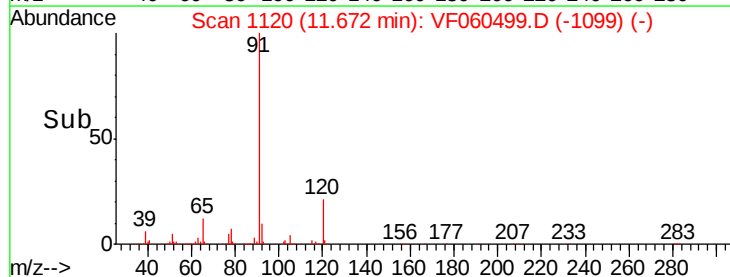
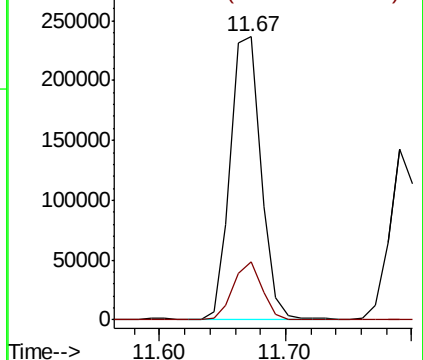
91 100

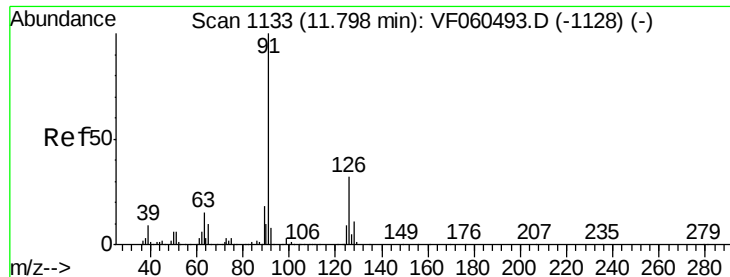
120 20.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

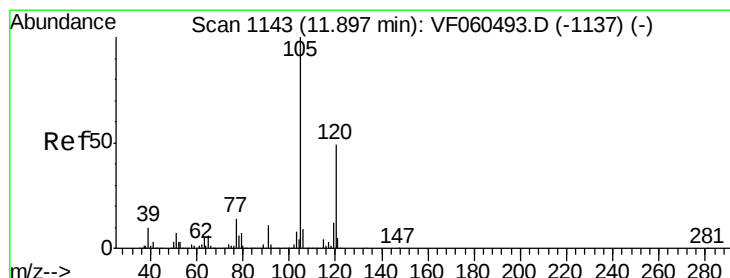
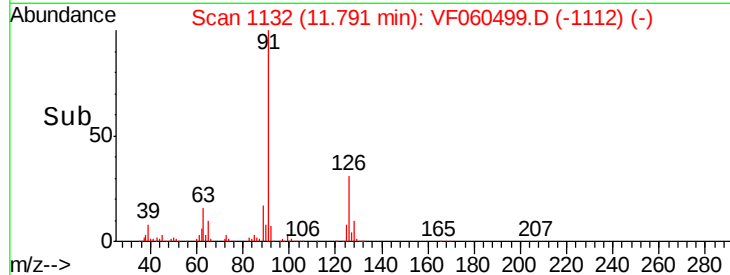
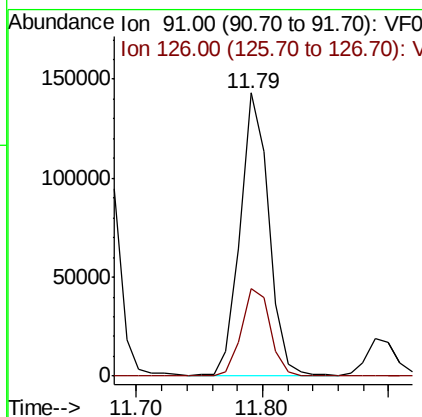
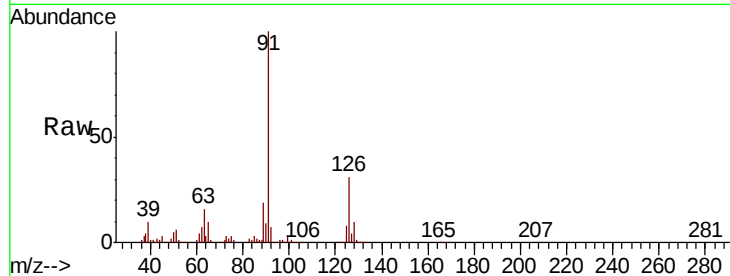




#79
 2-Chlorotoluene
 Concen: 21.876 ug/l
 RT: 11.79 min Scan# 1132
 Delta R.T. -0.01 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

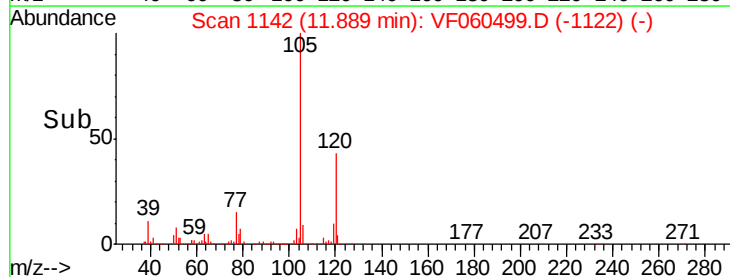
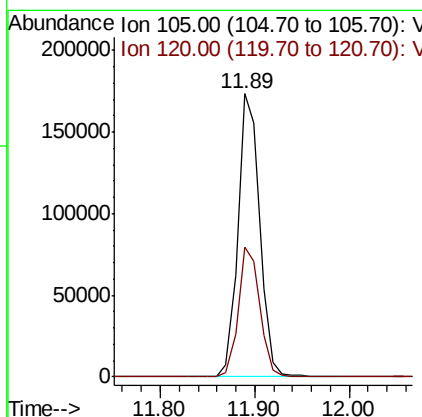
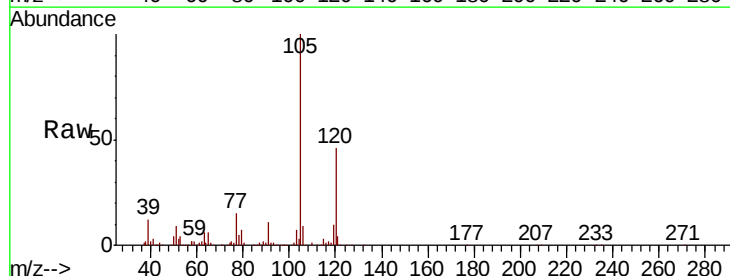
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

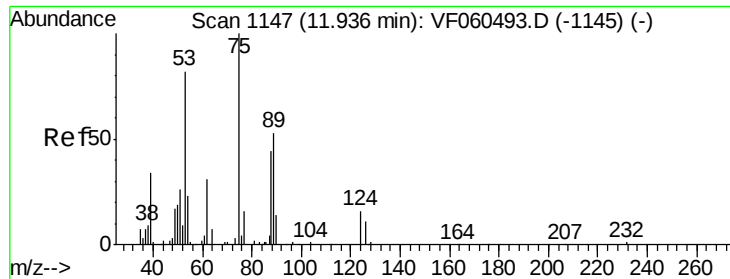
Tgt Ion: 91 Resp: 223107
 Ion Ratio Lower Upper
 91 100
 126 30.9 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 22.565 ug/l
 RT: 11.89 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion: 105 Resp: 276894
 Ion Ratio Lower Upper
 105 100
 120 45.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 30.976 ug/l

RT: 11.94 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

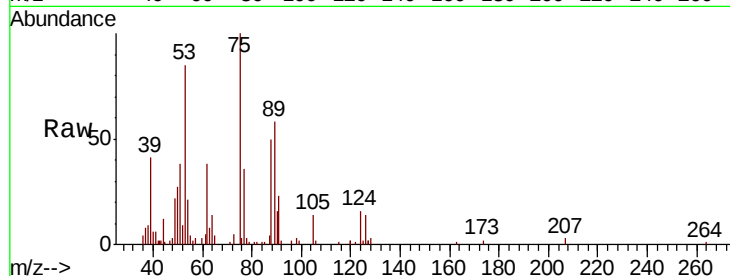
Tgt Ion: 75 Resp: 25669

Ion Ratio Lower Upper

75 100

53 84.9 71.0 106.6

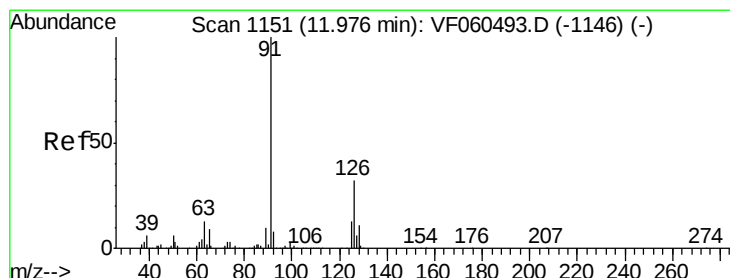
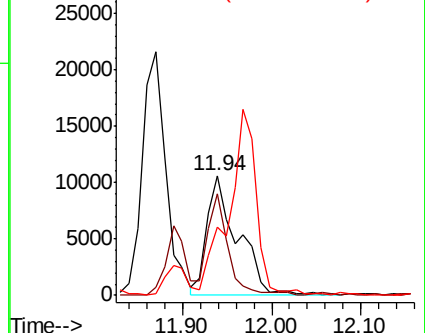
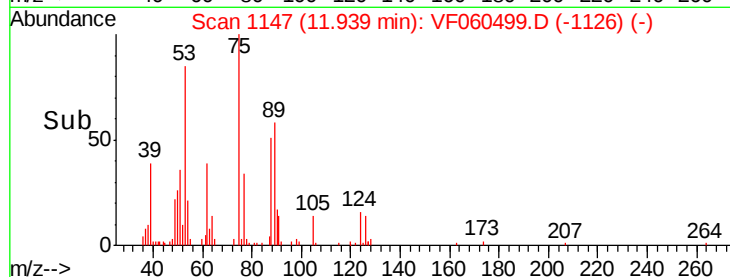
89 57.5 43.1 64.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.624 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF060499.D

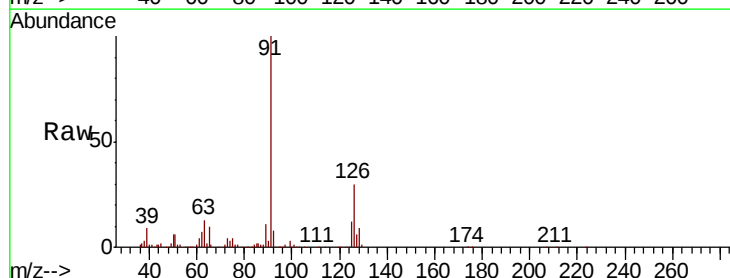
Acq: 9 Oct 2018 20:03

Tgt Ion: 91 Resp: 227530

Ion Ratio Lower Upper

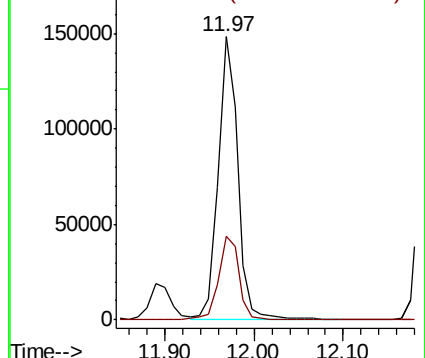
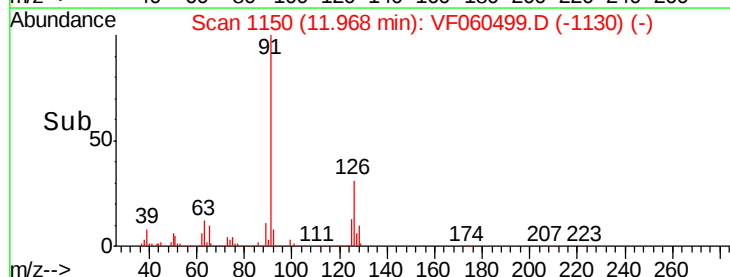
91 100

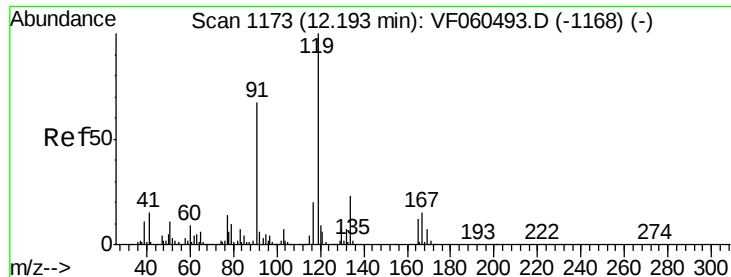
126 29.7 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

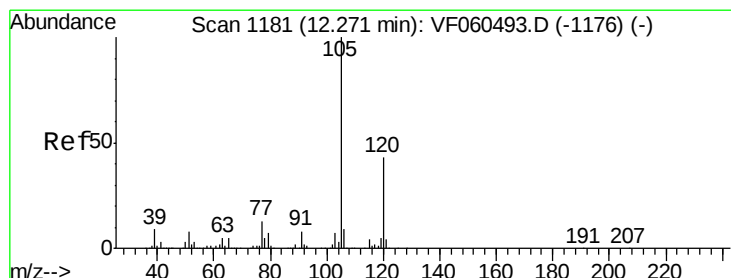
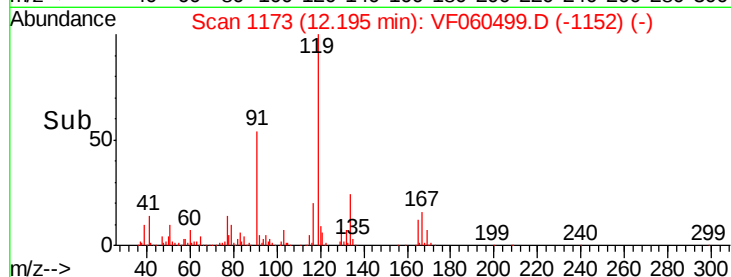
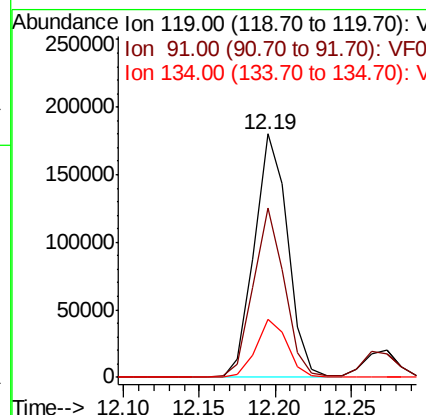
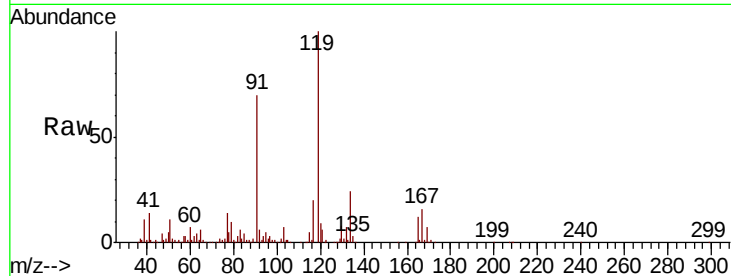




#83
tert-Butylbenzene
Concen: 22.613 ug/l
RT: 12.19 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

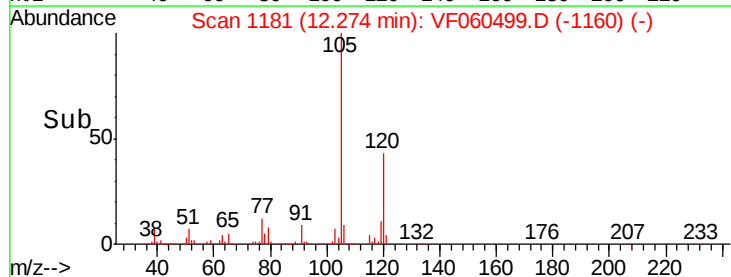
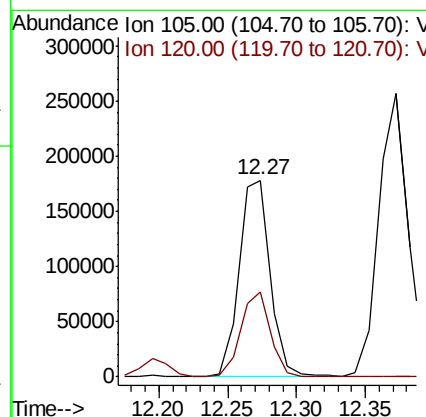
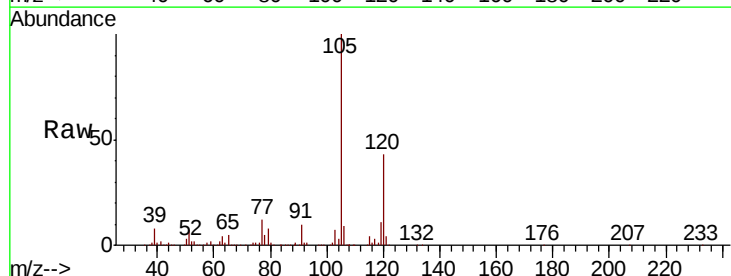
Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

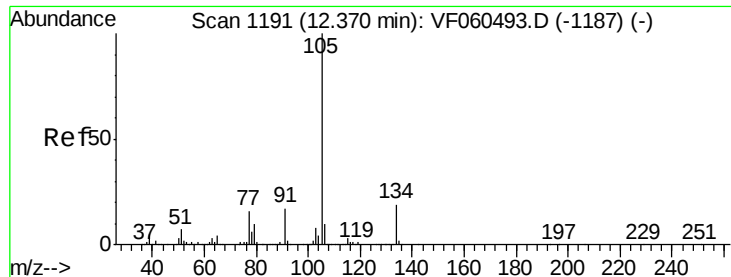
Tgt Ion:119 Resp: 278953
Ion Ratio Lower Upper
119 100
91 69.7 33.6 100.8
134 24.0 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 22.488 ug/l
RT: 12.27 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion:105 Resp: 280167
Ion Ratio Lower Upper
105 100
120 43.4 21.7 65.1

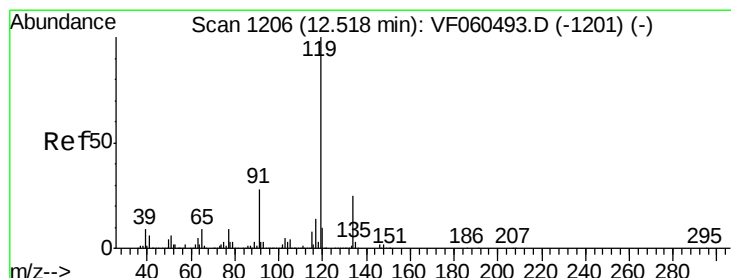
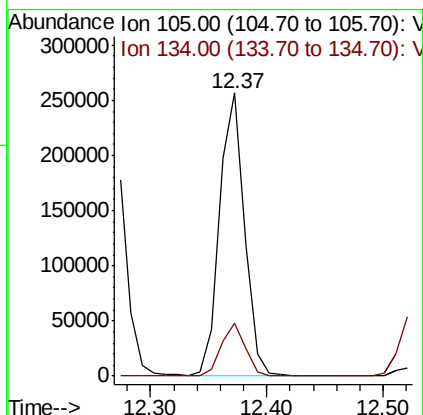
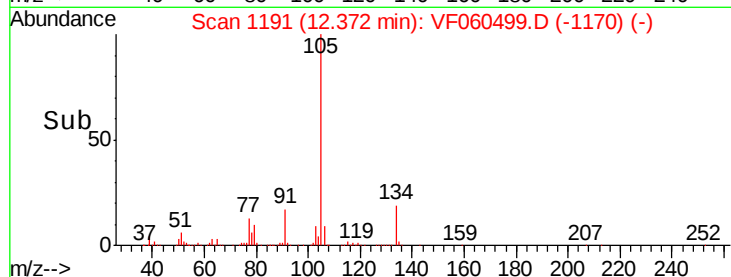
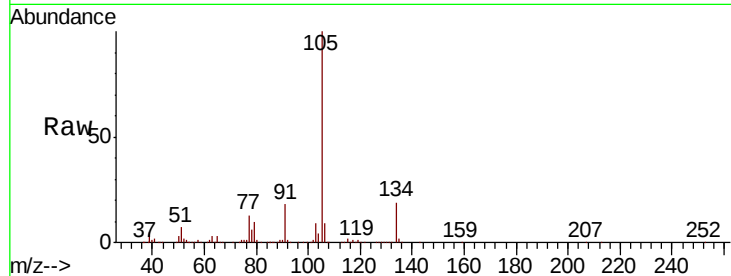




#85
 sec-Butylbenzene
 Concen: 22.713 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

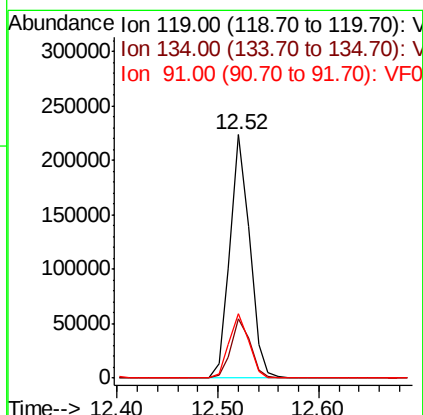
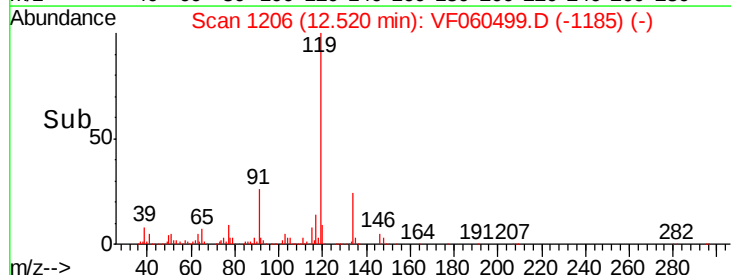
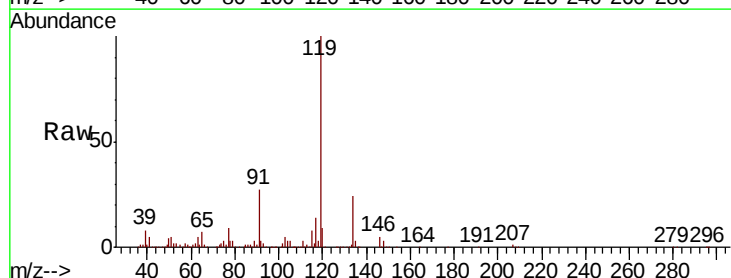
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

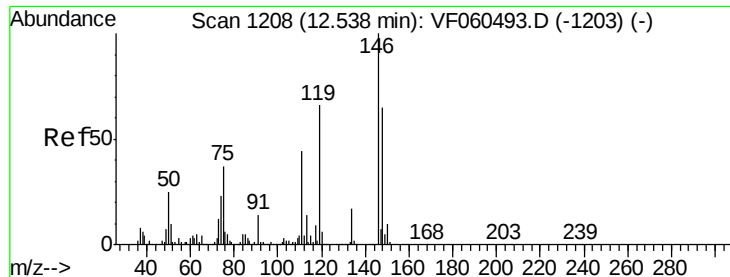
Tgt Ion:105 Resp: 379995
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 22.204 ug/l
 RT: 12.52 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion:119 Resp: 304958
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.6 37.6
 91 26.6 14.1 42.4





#87

1,3-Dichlorobenzene

Concen: 21.706 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

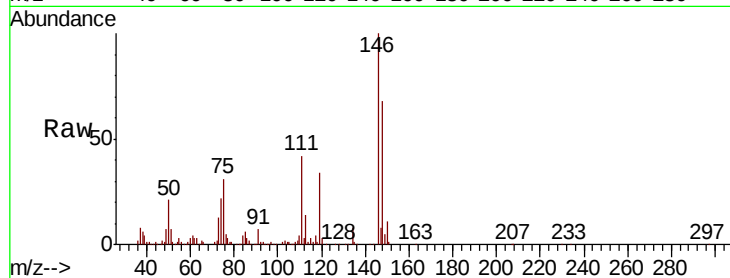
Tgt Ion:146 Resp: 134394

Ion Ratio Lower Upper

146 100

111 42.2 22.2 66.6

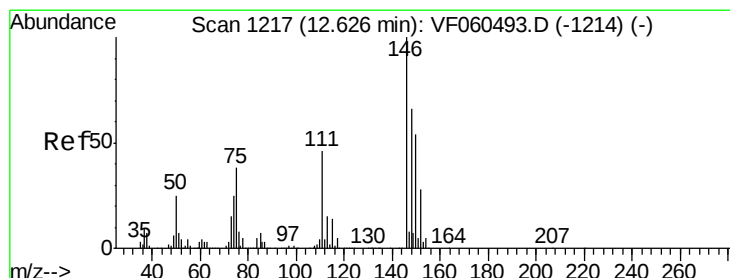
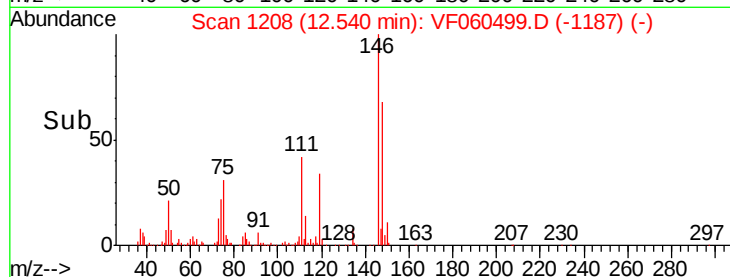
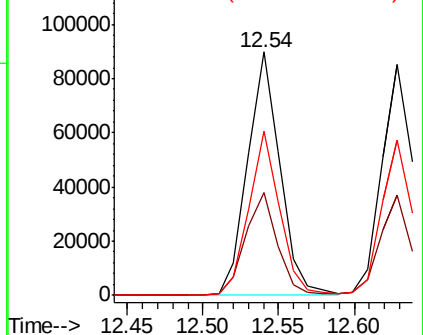
148 67.7 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.032 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

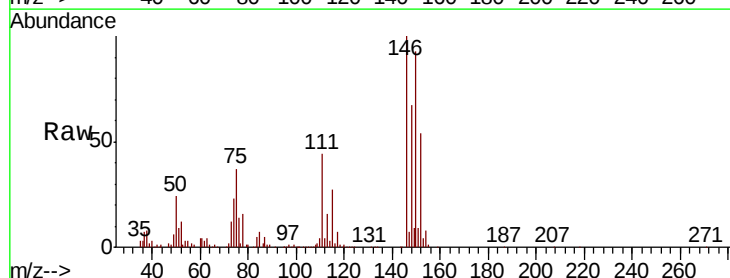
Tgt Ion:146 Resp: 126287

Ion Ratio Lower Upper

146 100

111 43.6 23.2 69.6

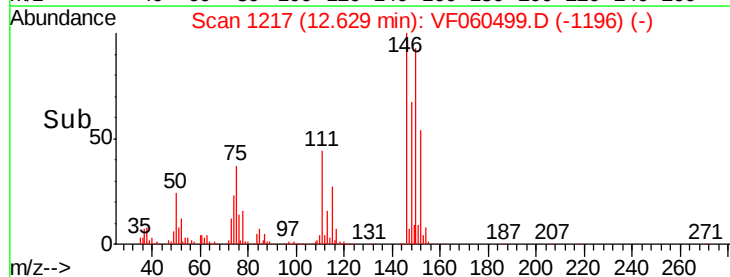
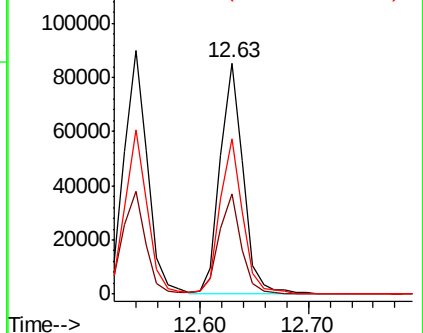
148 67.4 33.3 99.9

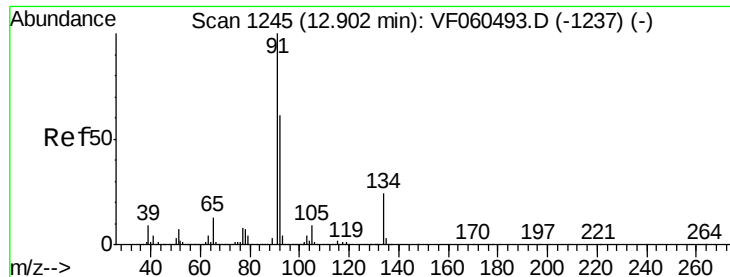


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 23.265 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

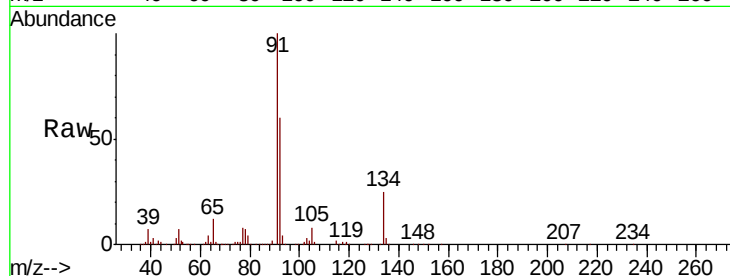
Tgt Ion: 91 Resp: 334368

Ion Ratio Lower Upper

91 100

92 59.8 30.8 92.3

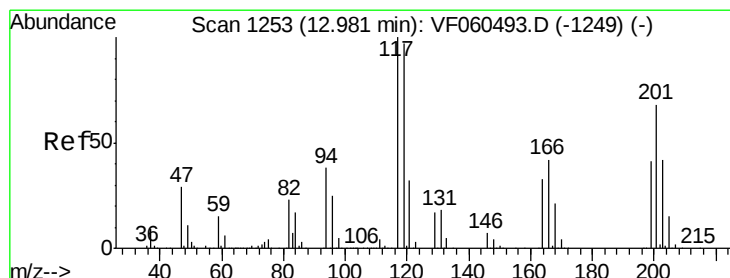
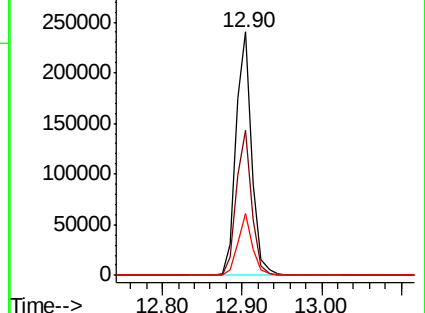
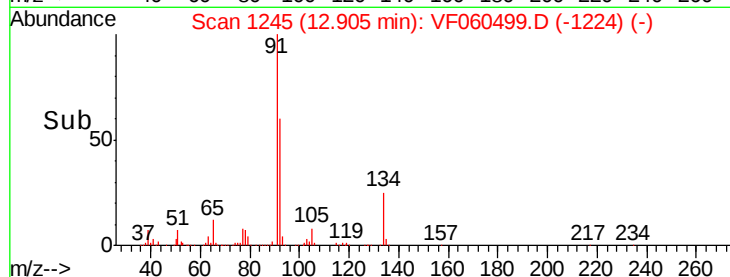
134 25.3 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 23.765 ug/l

RT: 12.97 min Scan# 1252

Delta R.T. -0.01 min

Lab File: VF060499.D

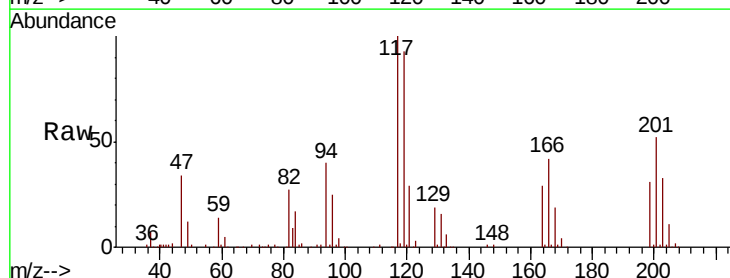
Acq: 9 Oct 2018 20:03

Tgt Ion: 117 Resp: 78051

Ion Ratio Lower Upper

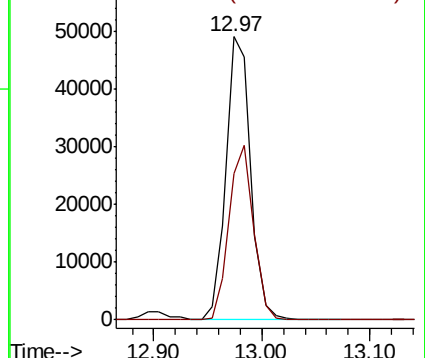
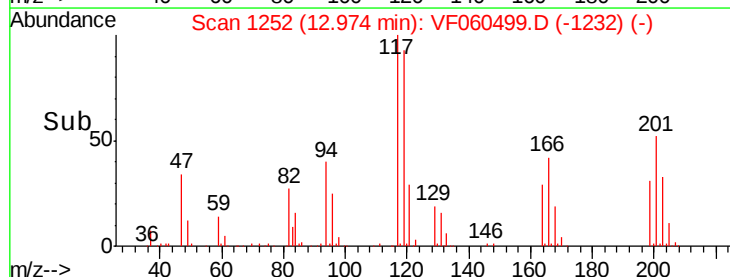
117 100

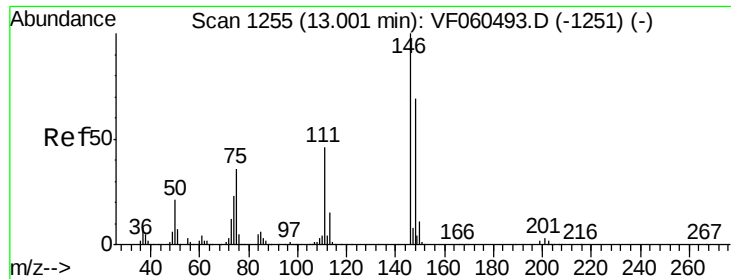
201 51.7 34.0 102.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.429 ug/l

RT: 13.00 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

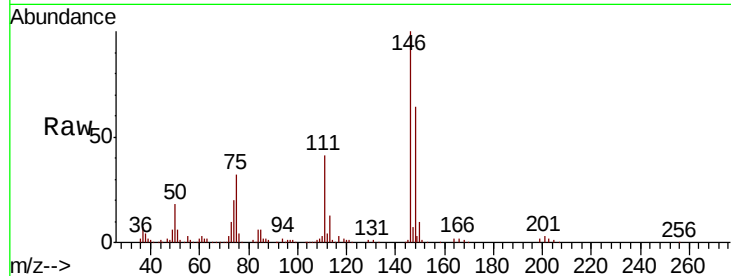
Tgt Ion:146 Resp: 133683

Ion Ratio Lower Upper

146 100

111 40.6 22.9 68.7

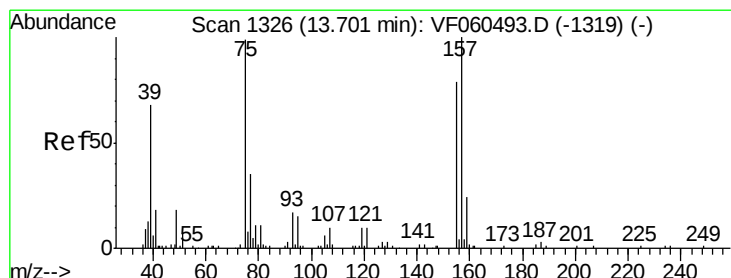
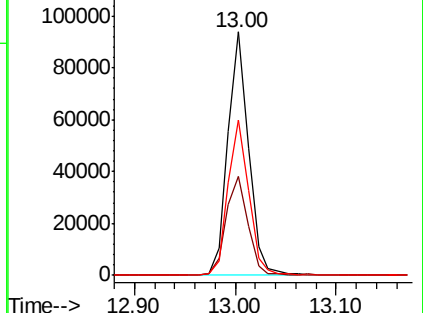
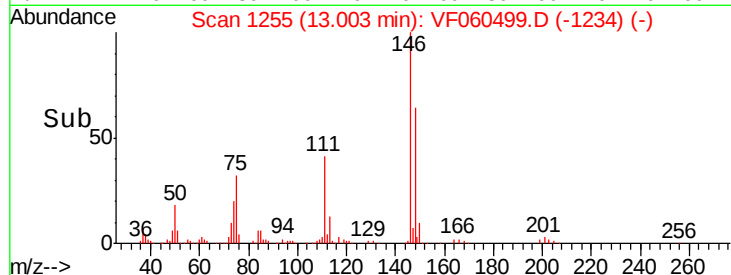
148 63.9 34.5 103.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.904 ug/l

RT: 13.69 min Scan# 1325

Delta R.T. -0.01 min

Lab File: VF060499.D

Acq: 9 Oct 2018 20:03

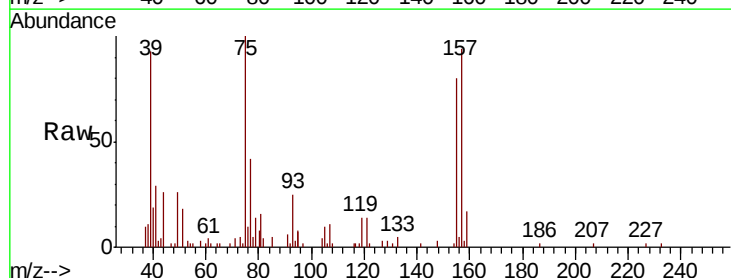
Tgt Ion: 75 Resp: 9343

Ion Ratio Lower Upper

75 100

155 80.4 40.6 121.7

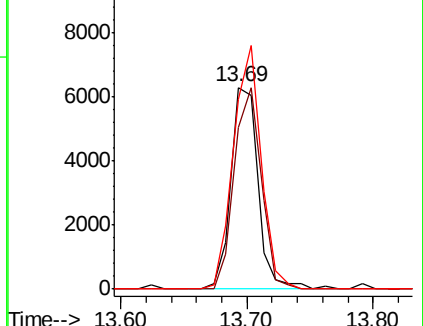
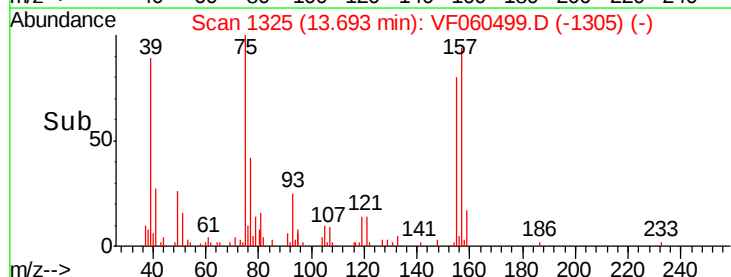
157 94.4 50.8 152.5

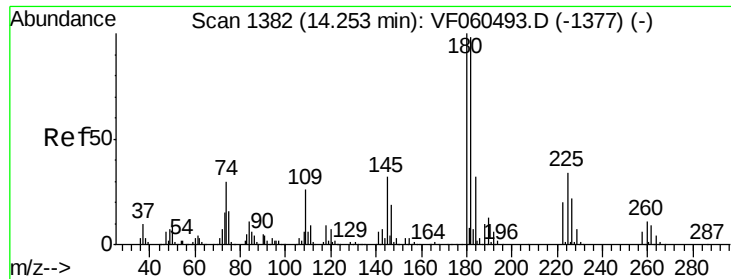


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

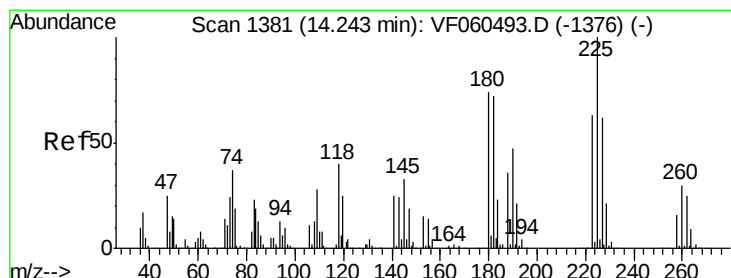
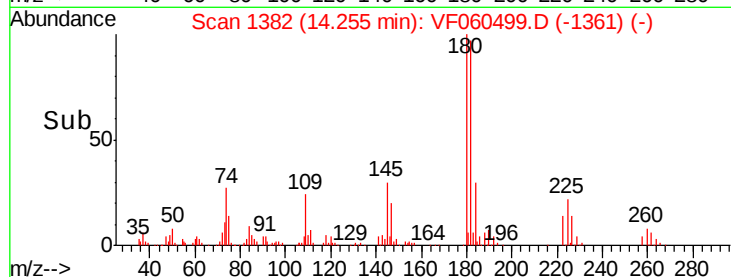
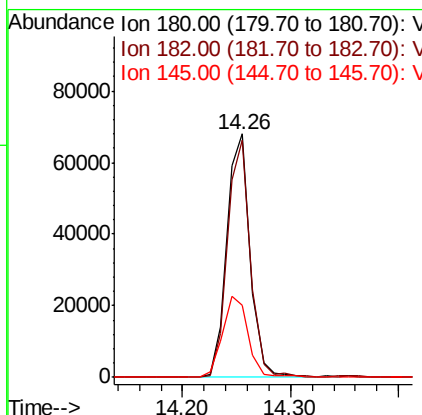
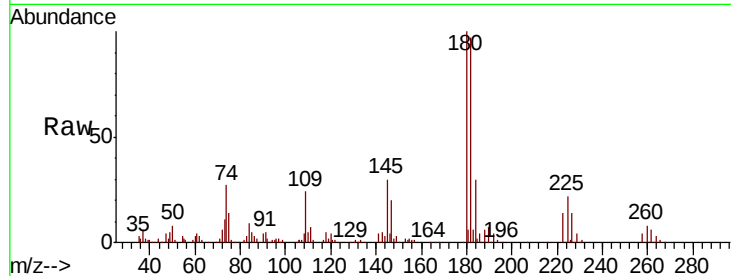




#93
 1,2,4-Trichlorobenzene
 Concen: 22.181 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

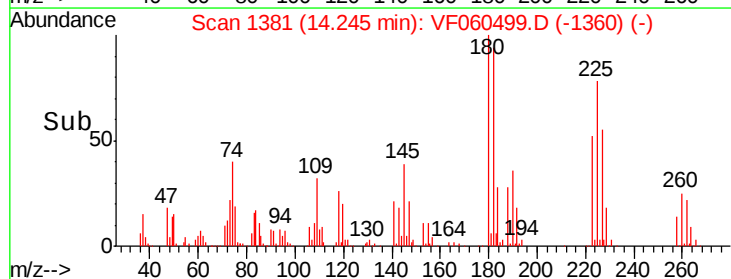
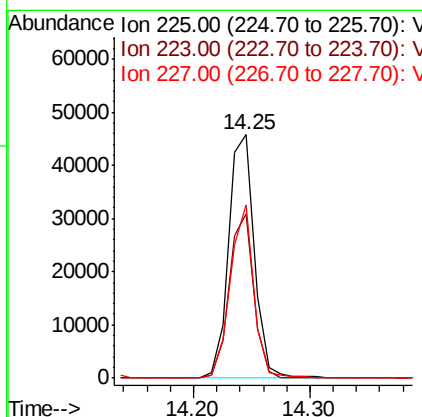
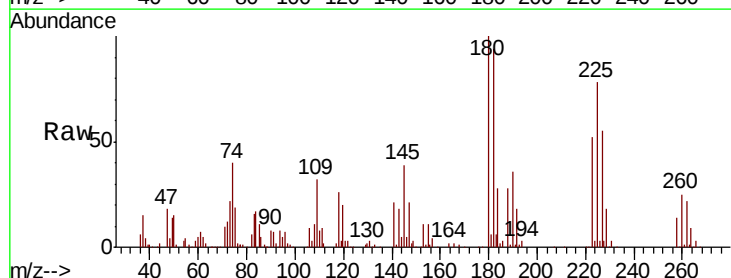
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

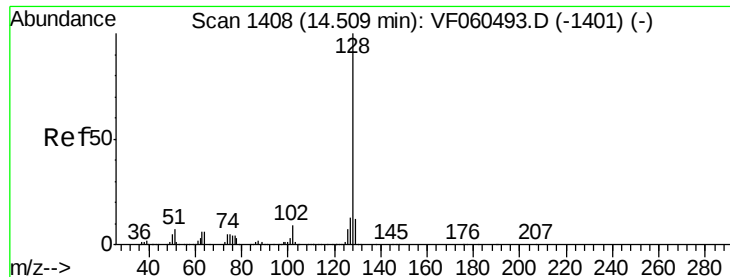
Tgt Ion:180 Resp: 102095
 Ion Ratio Lower Upper
 180 100
 182 97.3 48.9 146.8
 145 29.7 16.2 48.5



#94
 Hexachlorobutadiene
 Concen: 22.384 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VF060499.D
 Acq: 9 Oct 2018 20:03

Tgt Ion:225 Resp: 70047
 Ion Ratio Lower Upper
 225 100
 223 67.3 31.4 94.2
 227 71.1 30.9 92.7

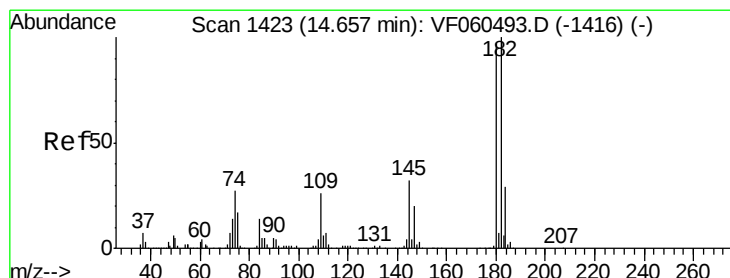
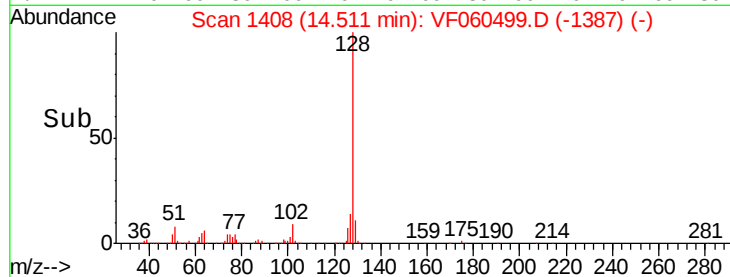
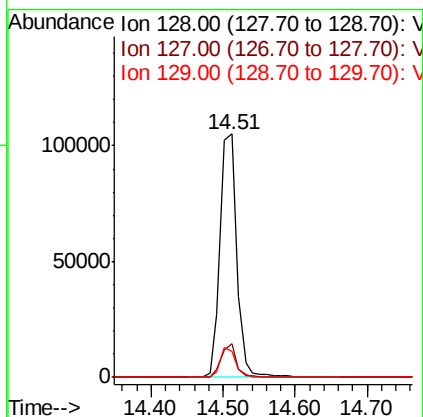
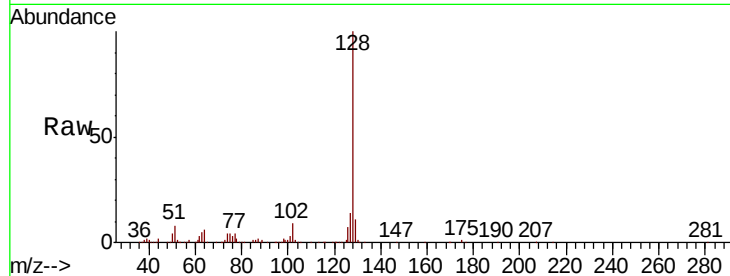




#95
Naphthalene
Concen: 21.436 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.00 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tgt Ion:128 Resp: 169615
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.2
129 10.6 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 21.802 ug/l
RT: 14.65 min Scan# 1422
Delta R.T. -0.01 min
Lab File: VF060499.D
Acq: 9 Oct 2018 20:03

Tgt Ion:180 Resp: 93494
Ion Ratio Lower Upper
180 100
182 88.4 51.3 153.9
145 33.6 16.4 49.2

