

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060517.D
 Acq On : 26 Oct 2018 15:35
 Operator : VA/AP
 Sample : VF1026SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Quant Time: Oct 27 01:48:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	194733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	308358	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	276114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	172468	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	185517	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
35) Dibromofluoromethane	4.28	113	170259	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	
50) Toluene-d8	7.70	98	350179	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
62) 4-Bromofluorobenzene	11.51	95	179017	43.33	ug/l	0.00
Spiked Amount			Recovery	=	86.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	120814	23.427	ug/l	86
3) Chloromethane	1.15	50	55726	22.646	ug/l	97
4) Vinyl Chloride	1.18	62	61843	21.774	ug/l #	86
5) Bromomethane	1.35	94	55451	19.385	ug/l	91
6) Chloroethane	1.42	64	37333	21.205	ug/l #	87
7) Trichlorofluoromethane	1.55	101	176177	19.379	ug/l	97
8) Diethyl Ether	1.70	74	18665	22.014	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.88	101	80744	20.968	ug/l	90
10) Methyl Iodide	1.95	142	114440	21.033	ug/l	92
11) Tert butyl alcohol	2.68	59	21974	116.466	ug/l	96
12) 1,1-Dichloroethene	1.85	96	57523	20.748	ug/l	81
13) Acrolein	2.08	56	16960	98.521	ug/l	100
14) Allyl chloride	2.18	41	97762	22.030	ug/l	90
15) Acrylonitrile	3.07	53	39264	126.022	ug/l #	82
16) Acetone	2.34	43	109309	129.318	ug/l	96
17) Carbon Disulfide	1.89	76	165760	21.821	ug/l	99
18) Methyl Acetate	2.45	43	27745	21.829	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	139458	20.096	ug/l	100
20) Methylene Chloride	2.27	84	32373	10.720	ug/l	94
21) trans-1,2-Dichloroethene	2.41	96	59470	22.487	ug/l	83
22) Diisopropyl ether	2.92	45	178062	22.623	ug/l	97
23) Vinyl Acetate	3.32	43	310714	124.801	ug/l	99
24) 1,1-Dichloroethane	2.99	63	126780	21.122	ug/l	98
25) 2-Butanone	4.50	43	106837	155.436	ug/l	93
26) 2,2-Dichloropropane	3.76	77	80899	20.378	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	57930	22.948	ug/l	86
28) Bromochloromethane	3.88	49	40769	23.084	ug/l	99
29) Tetrahydrofuran	4.25	42	32710	133.031	ug/l	97
30) Chloroform	4.02	83	148398	21.437	ug/l	91
31) Cyclohexane	3.86	56	74372	25.094	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	130243	20.379	ug/l	94
36) 1,1-Dichloropropene	4.45	75	86698	18.997	ug/l	95
37) Ethyl Acetate	4.29	43	36291	26.097	ug/l #	42
38) Carbon Tetrachloride	4.16	117	148589	21.516	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060517.D
 Acq On : 26 Oct 2018 15:35
 Operator : VA/AP
 Sample : VF1026SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Quant Time: Oct 27 01:48:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	80521	21.619	ug/l #	84
40) Benzene	4.80	78	158806	21.150	ug/l	96
41) Methacrylonitrile	4.91	41	15031	19.643	ug/l #	92
42) 1,2-Dichloroethane	5.11	62	88918	18.320	ug/l	99
43) Isopropyl Acetate	7.11	43	32721	20.804	ug/l #	95
44) Trichloroethene	5.67	130	51757	19.757	ug/l	99
45) 1,2-Dichloropropane	6.39	63	38846	20.431	ug/l	97
46) Dibromomethane	6.24	93	34736	19.468	ug/l #	83
47) Bromodichloromethane	6.54	83	95991	19.177	ug/l	97
48) Methyl methacrylate	6.86	41	22962	19.367	ug/l	87
49) 1,4-Dioxane	6.85	88	4212	412.319	ug/l #	81
51) 4-Methyl-2-Pentanone	8.40	43	119942	97.619	ug/l	98
52) Toluene	7.77	92	101684	20.595	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	68829	18.570	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	74373	19.479	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	30142	19.284	ug/l	96
56) Ethyl methacrylate	8.76	69	37325	22.388	ug/l #	83
57) 1,3-Dichloropropane	8.99	76	52671	19.242	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	23605	102.392	ug/l	100
59) 2-Hexanone	9.62	43	92470	102.298	ug/l	99
60) Dibromochloromethane	8.85	129	55316	18.635	ug/l	91
61) 1,2-Dibromoethane	9.13	107	34731	18.689	ug/l	98
64) Tetrachloroethene	8.30	164	45401	19.505	ug/l	94
65) Chlorobenzene	9.94	112	121413	20.916	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	57417	19.108	ug/l	93
67) Ethyl Benzene	10.03	91	252664	21.315	ug/l	98
68) m/p-Xylenes	10.26	106	156507	42.056	ug/l	93
69) o-Xylene	10.83	106	85006	20.363	ug/l	98
70) Styrene	10.89	104	128495	22.048	ug/l	93
71) Bromoform	10.88	173	30535	19.098	ug/l	98
73) Isopropylbenzene	11.22	105	290323	21.190	ug/l	99
74) N-amyl acetate	11.46	43	48074	19.759	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	46252	23.429	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	35765	20.750	ug/l	93
77) Bromobenzene	11.59	156	61416	21.501	ug/l	84
78) n-propylbenzene	11.68	91	348902	21.783	ug/l	94
79) 2-Chlorotoluene	11.81	91	196013	20.194	ug/l	89
80) 1,3,5-Trimethylbenzene	11.91	105	250270	20.800	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	23630	32.593	ug/l	92
82) 4-Chlorotoluene	11.99	91	222871	21.731	ug/l	98
83) tert-Butylbenzene	12.21	119	253922	20.892	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	246520	20.669	ug/l	98
85) sec-Butylbenzene	12.38	105	332125	20.362	ug/l	96
86) p-Isopropyltoluene	12.53	119	273146	19.711	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	119344	20.556	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	119476	21.244	ug/l	95
89) n-Butylbenzene	12.91	91	301707	20.468	ug/l	98
90) Hexachloroethane	12.99	117	74048	20.364	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	116138	20.857	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10511	20.886	ug/l #	58

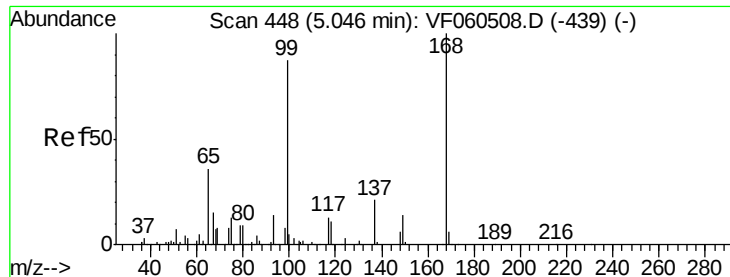
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF102618\
Data File : VF060517.D
Acq On : 26 Oct 2018 15:35
Operator : VA/AP
Sample : VF1026SBS01
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Quant Time: Oct 27 01:48:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 26 02:17:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	89799	19.806	ug/l	97
94) Hexachlorobutadiene	14.26	225	64107	18.905	ug/l	94
95) Naphthalene	14.52	128	136056	19.026	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	85154	20.419	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

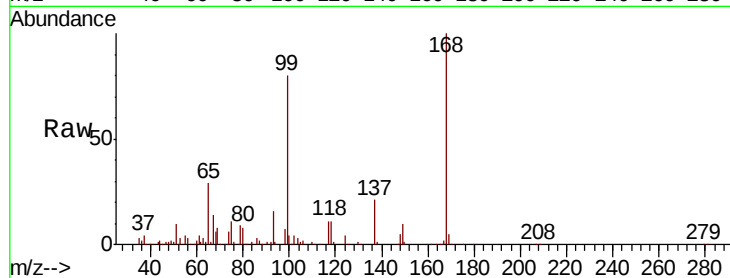
VF1026SBS01

Tot Ion:168 Resp: 194733

Ion Ratio Lower Upper

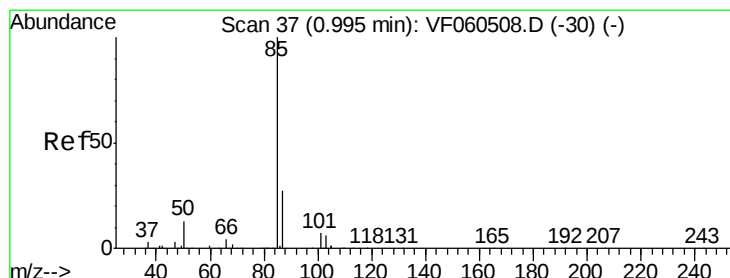
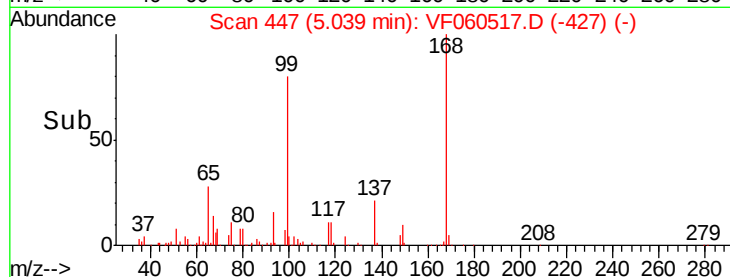
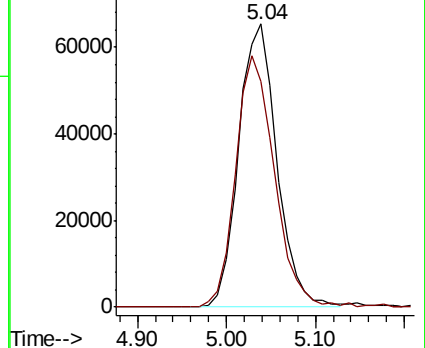
168 100

99 79.6 69.9 104.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 23.427 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060517.D

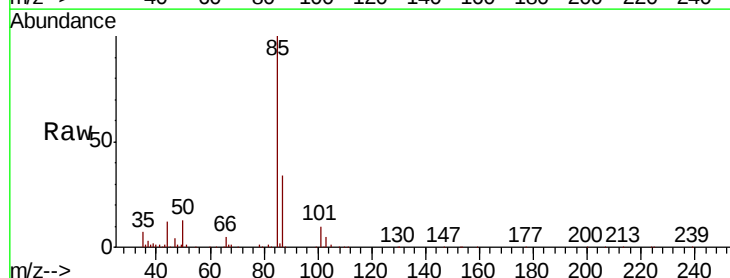
Acq: 26 Oct 2018 15:35

Tgt Ion: 85 Resp: 120814

Ion Ratio Lower Upper

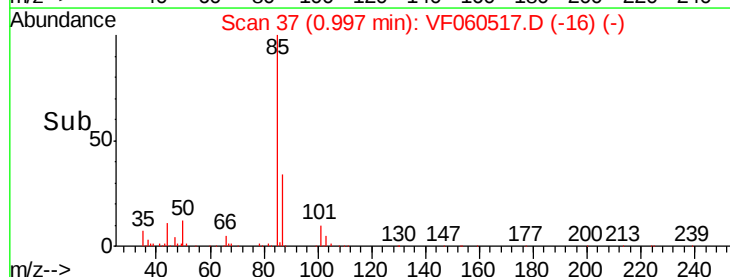
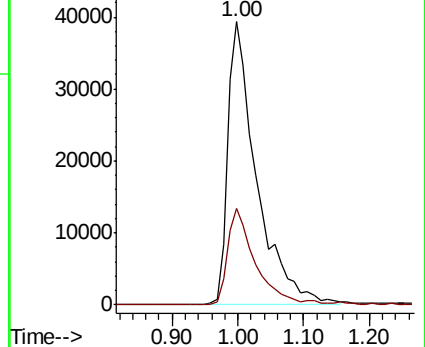
85 100

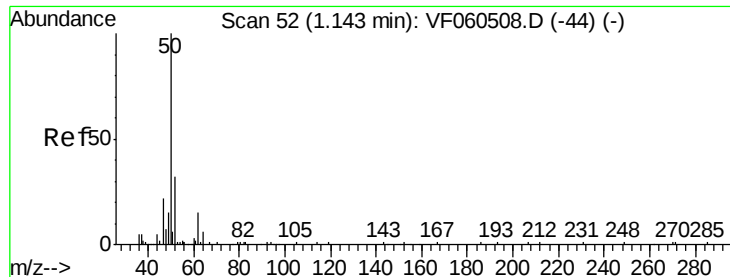
87 34.1 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 22.646 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

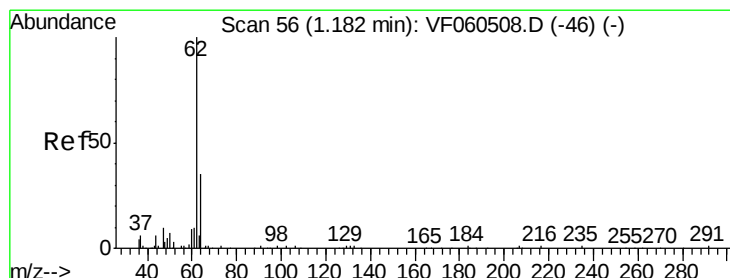
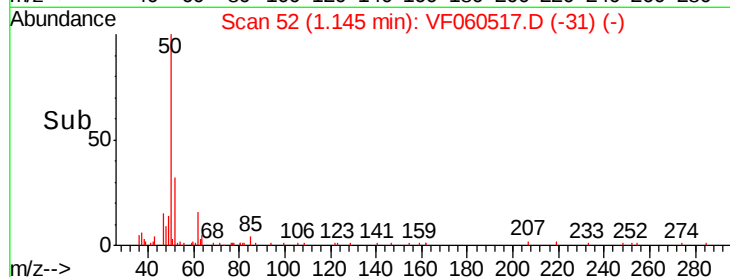
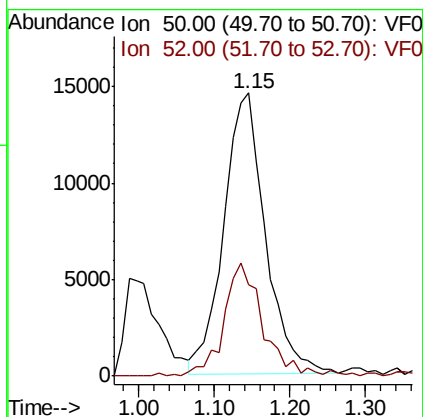
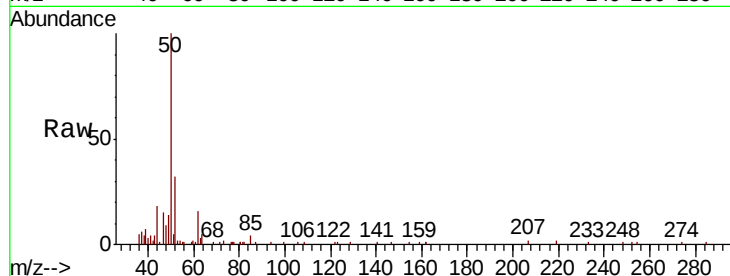
VF1026SBS01

Tot Ion: 50 Resp: 55726

Ion Ratio Lower Upper

50 100

52 32.3 24.5 36.7



#4

Vinyl Chloride

Concen: 21.774 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060517.D

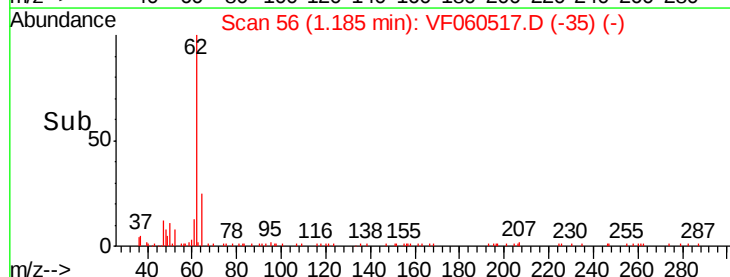
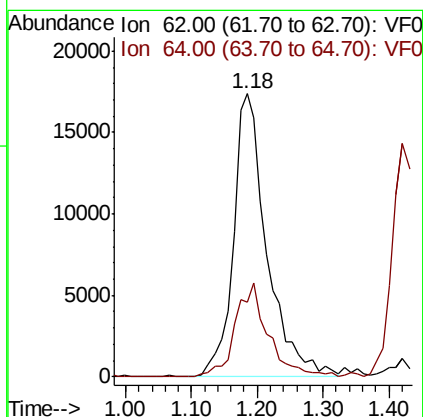
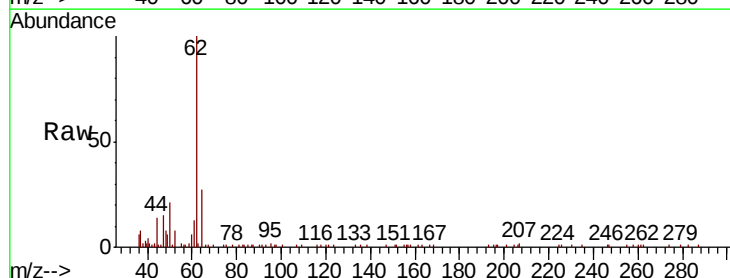
Acq: 26 Oct 2018 15:35

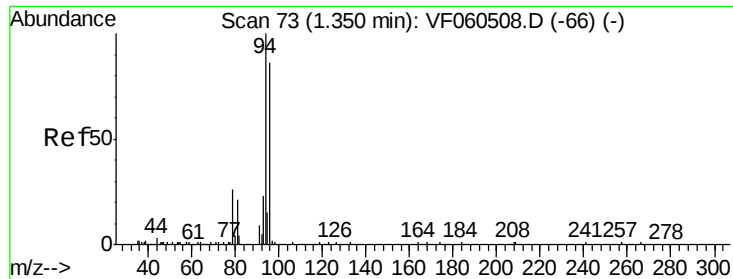
Tgt Ion: 62 Resp: 61843

Ion Ratio Lower Upper

62 100

64 26.5 27.8 41.8#





#5

Bromomethane

Concen: 19.385 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

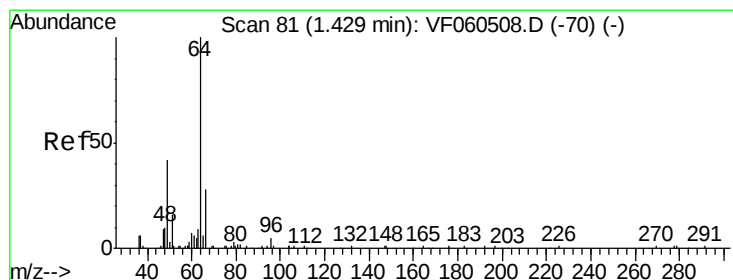
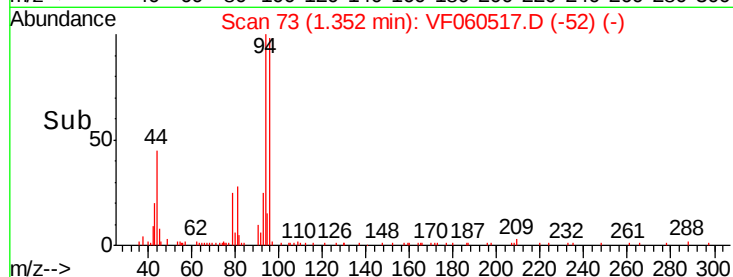
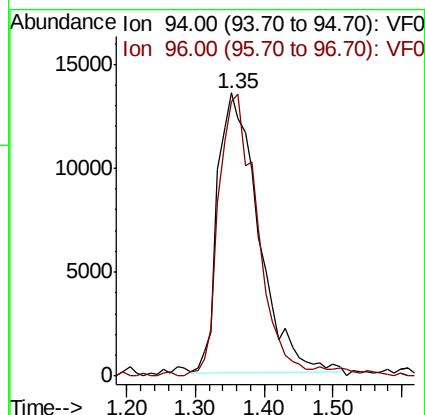
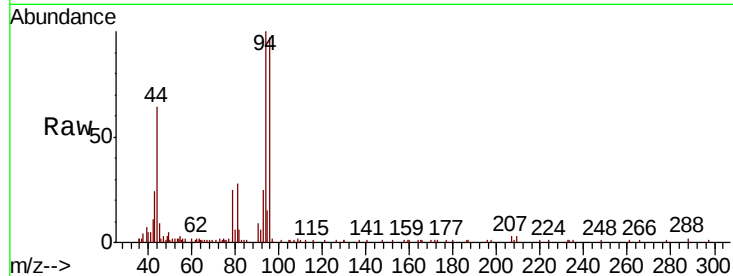
VF1026SBS01

Tot Ion: 94 Resp: 55451

Ion Ratio Lower Upper

94 100

96 97.0 70.6 105.8



#6

Chloroethane

Concen: 21.205 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060517.D

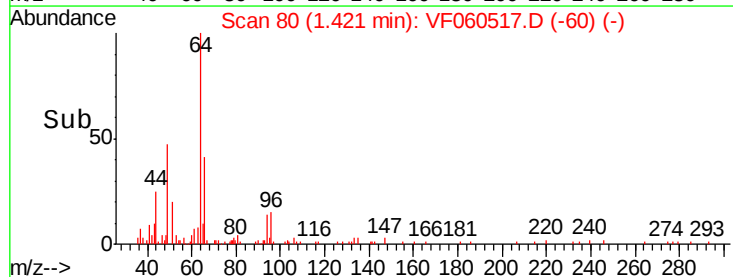
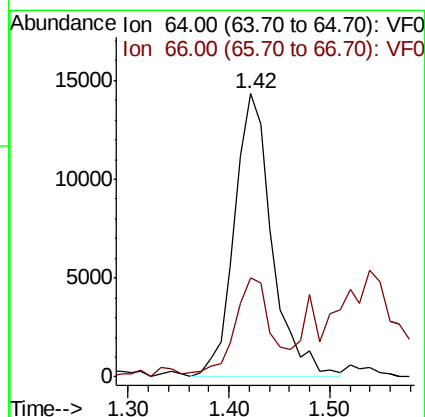
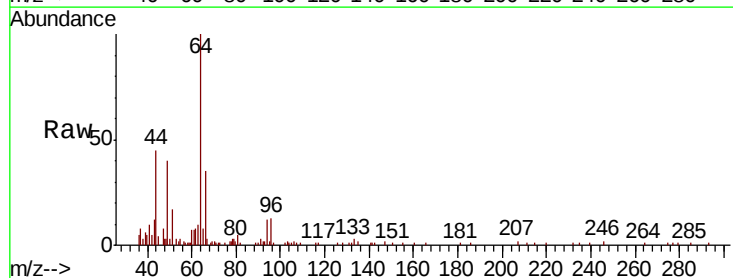
Acq: 26 Oct 2018 15:35

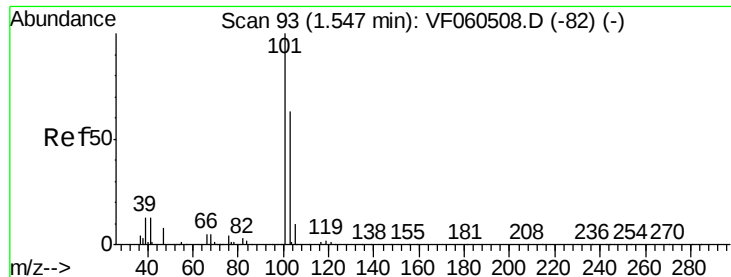
Tgt Ion: 64 Resp: 37333

Ion Ratio Lower Upper

64 100

66 35.0 22.4 33.6#





#7

Trichlorofluoromethane

Concen: 19.379 ug/l

RT: 1.55 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

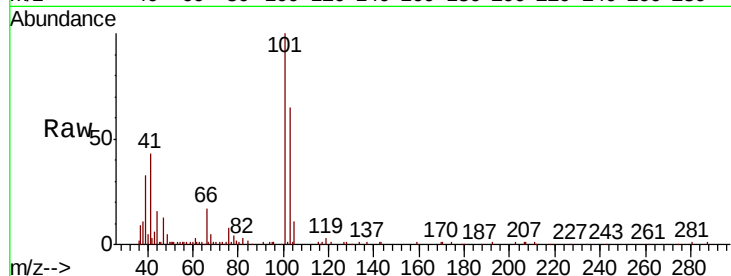
VF1026SBS01

Tot Ion:101 Resp: 176177

Ion Ratio Lower Upper

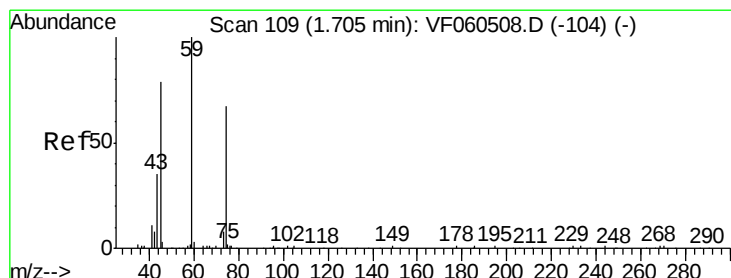
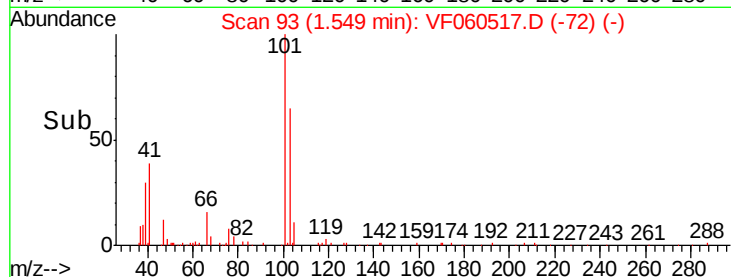
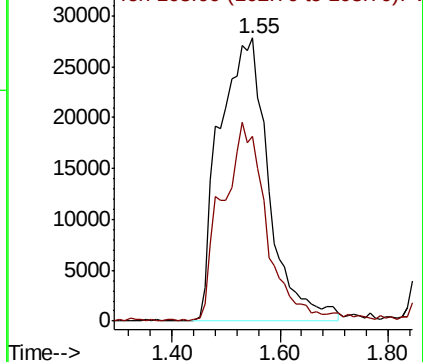
101 100

103 65.4 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.014 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060517.D

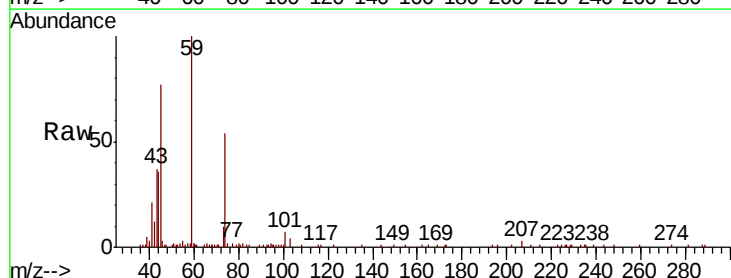
Acq: 26 Oct 2018 15:35

Tgt Ion: 74 Resp: 18665

Ion Ratio Lower Upper

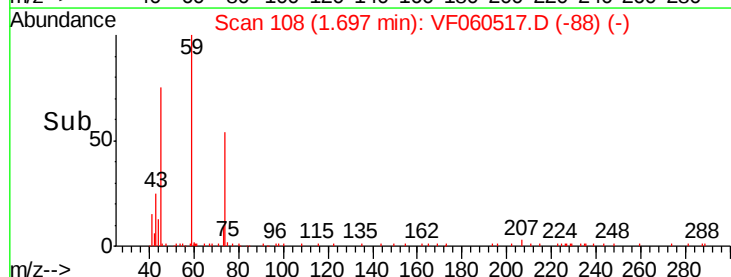
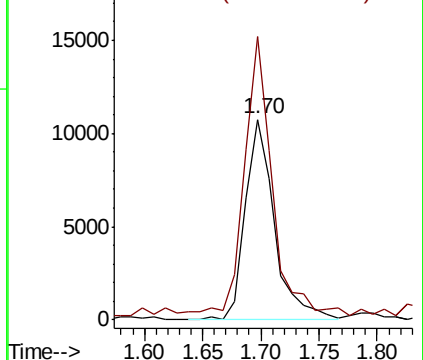
74 100

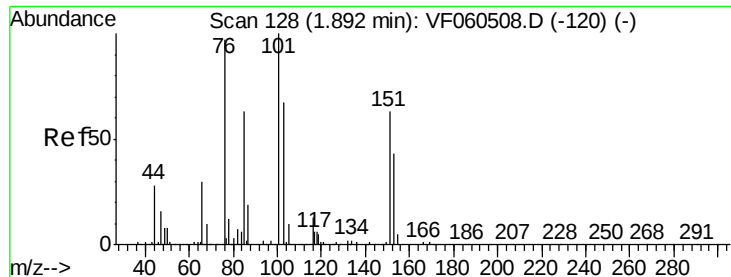
45 141.3 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.968 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

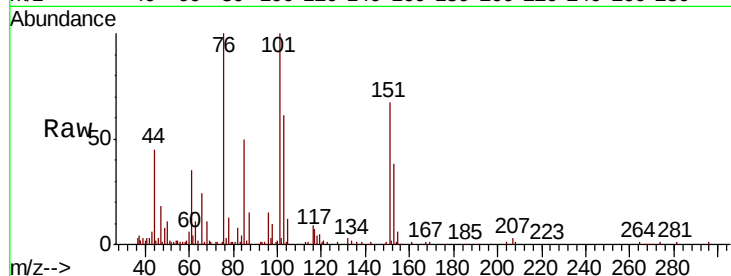
Tot Ion:101 Resp: 80744

Ion Ratio Lower Upper

101 100

85 50.1 49.9 74.9

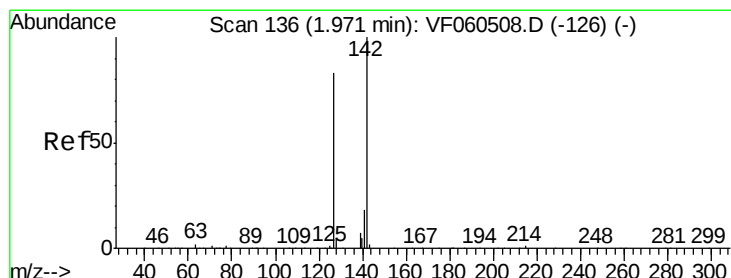
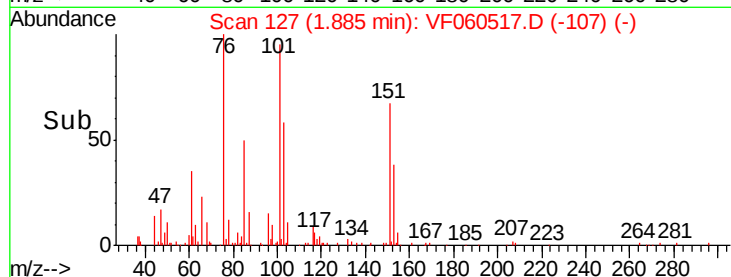
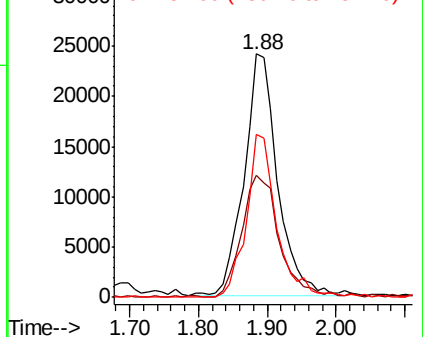
151 66.9 50.6 76.0



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: 21.033 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.02 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

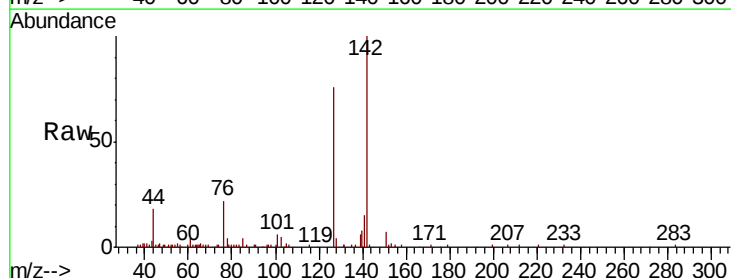
Tgt Ion:142 Resp: 114440

Ion Ratio Lower Upper

142 100

127 76.0 66.5 99.7

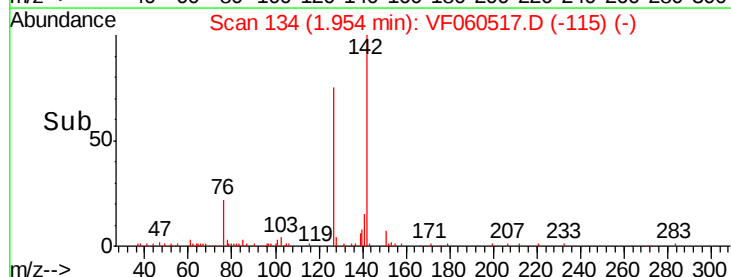
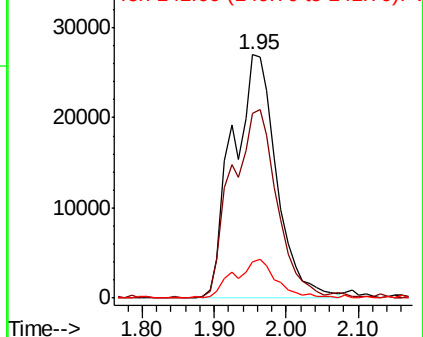
141 15.0 14.2 21.4

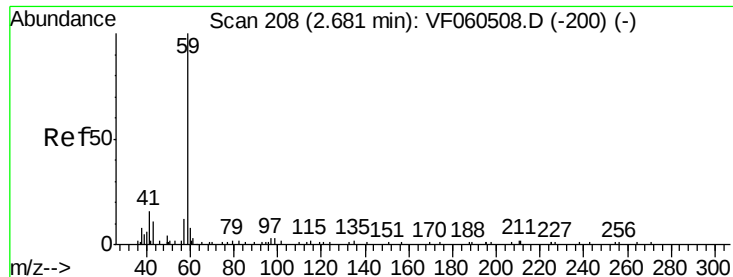


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



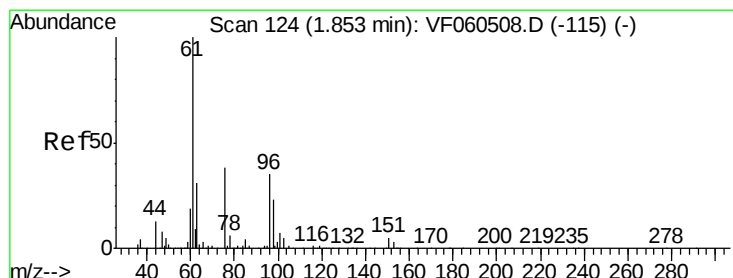
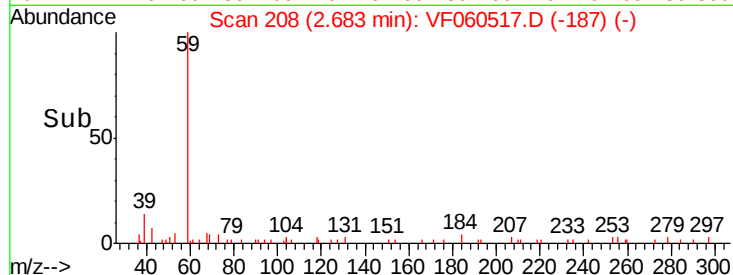
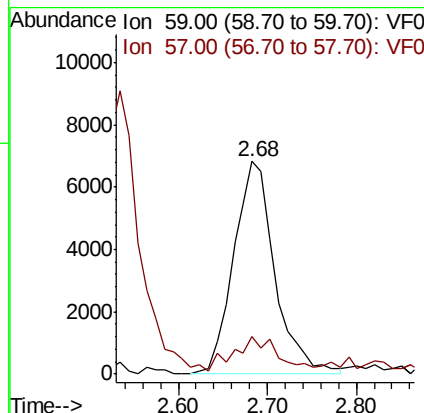
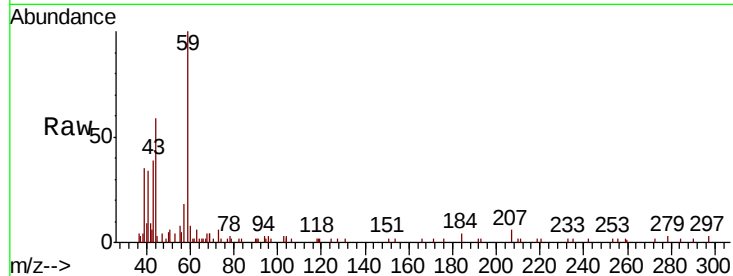


#11

Tert butyl alcohol
Concen: 116.466 ug/l
RT: 2.68 min Scan# 208
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

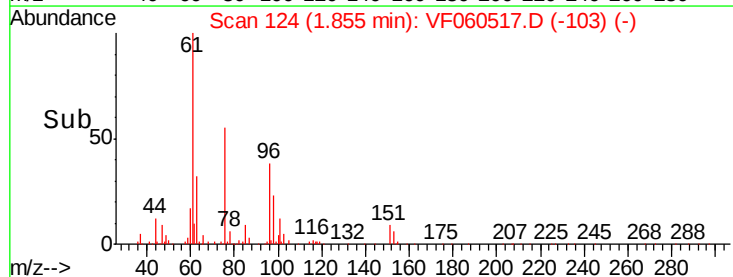
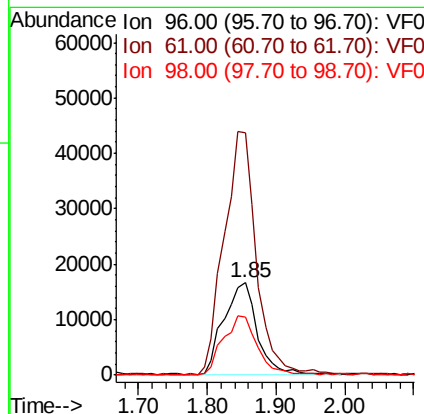
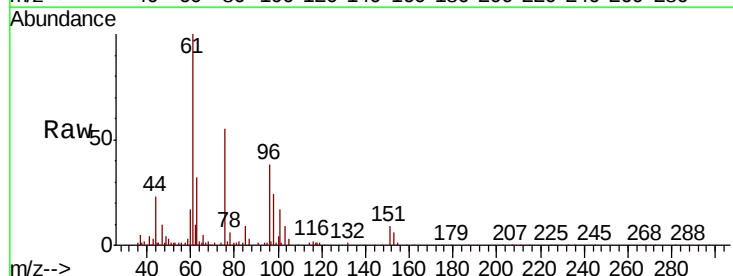
Tot Ion: 59 Resp: 21974
Ion Ratio Lower Upper
59 100
57 17.9 15.8 23.8

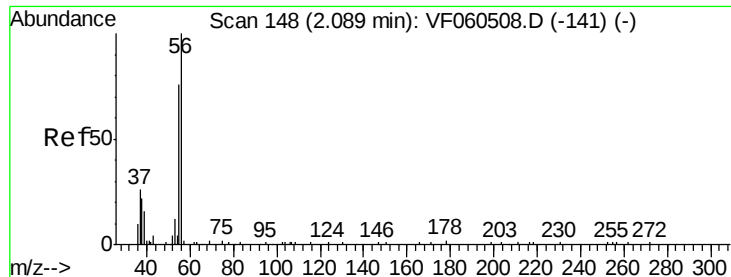


#12

1,1-Dichloroethene
Concen: 20.748 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion: 96 Resp: 57523
Ion Ratio Lower Upper
96 100
61 249.0 231.4 347.0
98 59.3 53.3 79.9

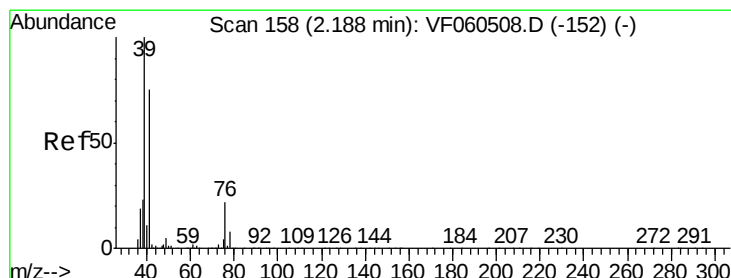
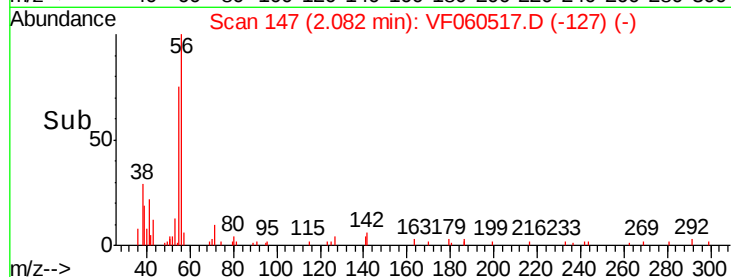
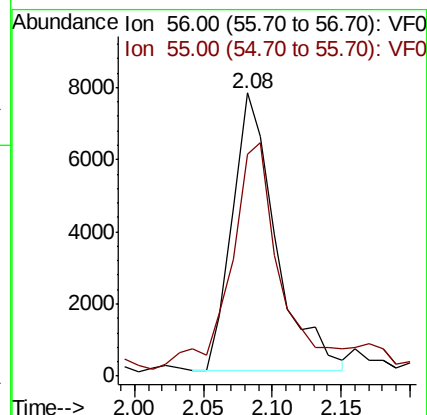
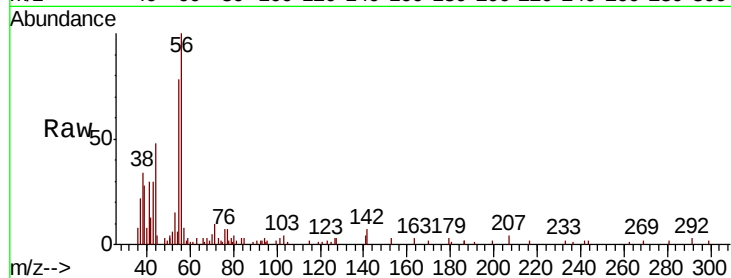




#13
Acrolein
Concen: 98.521 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

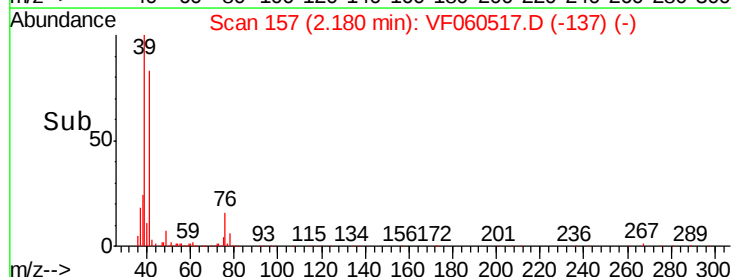
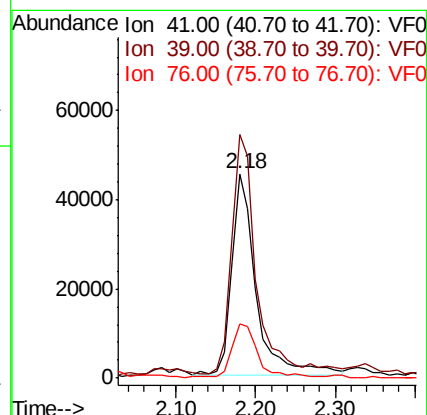
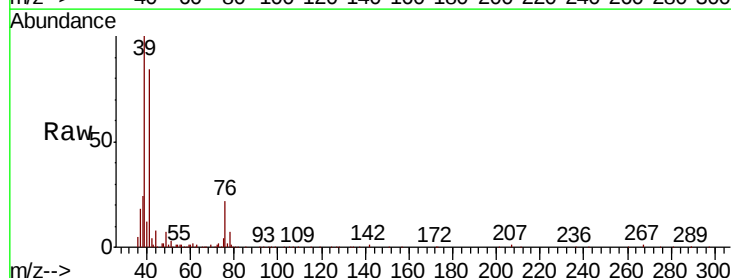
Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

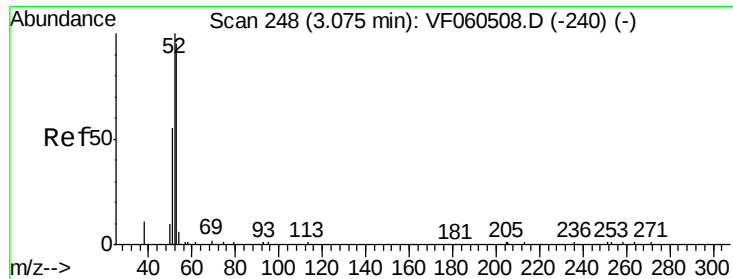
Tot Ion: 56 Resp: 16960
Ion Ratio Lower Upper
56 100
55 78.3 63.0 94.4



#14
Allyl chloride
Concen: 22.030 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion: 41 Resp: 97762
Ion Ratio Lower Upper
41 100
39 119.2 106.0 159.0
76 26.7 24.1 36.1





#15

Acrylonitrile

Concen: 126.022 ug/l

RT: 3.07 min Scan# 247

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

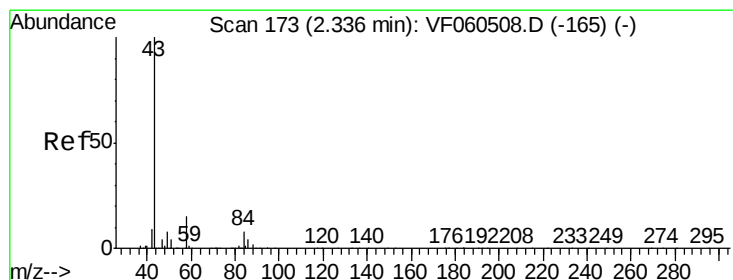
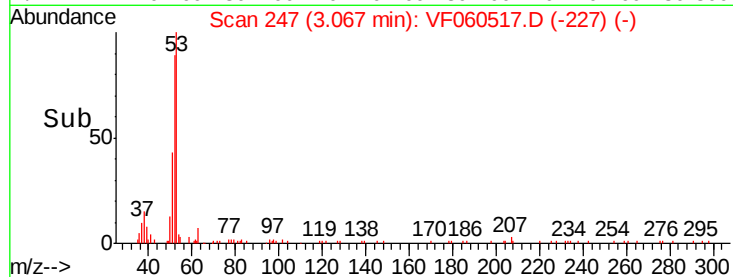
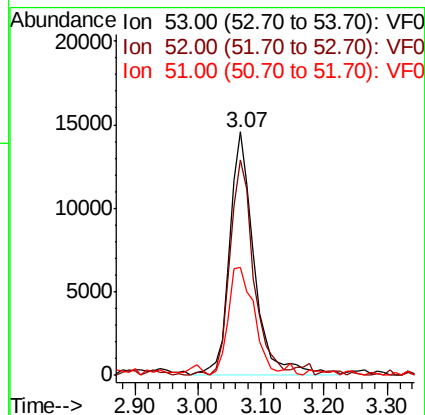
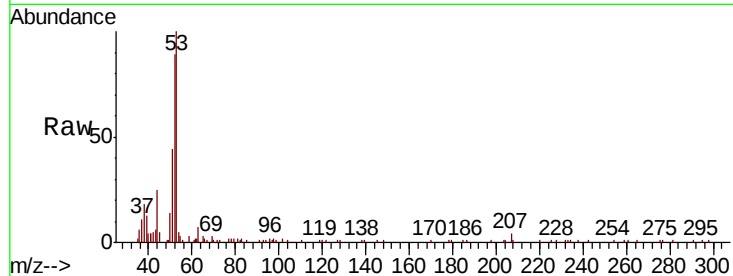
Tot Ion: 53 Resp: 39264

Ion Ratio Lower Upper

53 100

52 88.7 84.0 126.0

51 44.5 48.6 73.0#



#16

Acetone

Concen: 129.318 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF060517.D

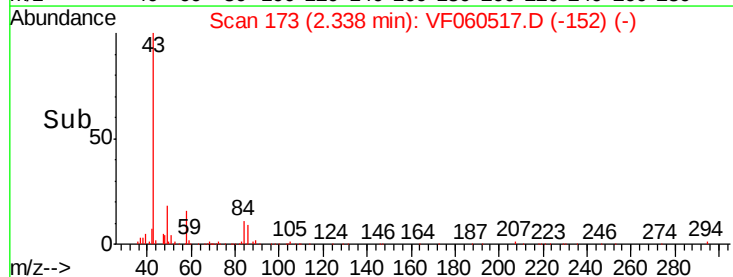
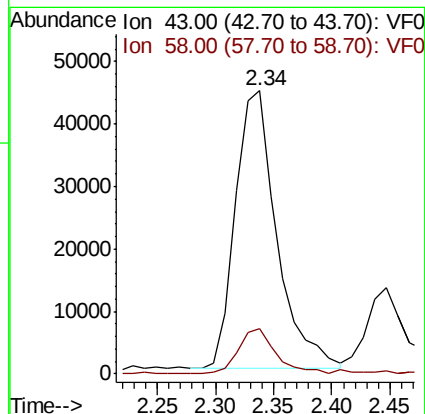
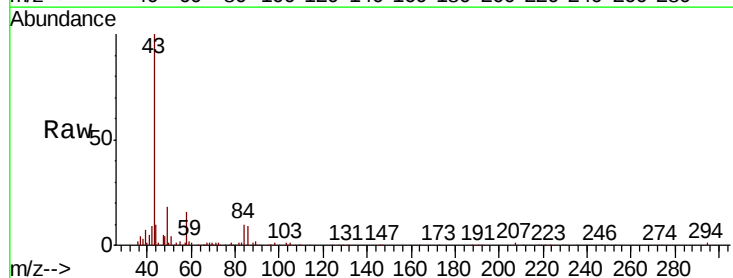
Acq: 26 Oct 2018 15:35

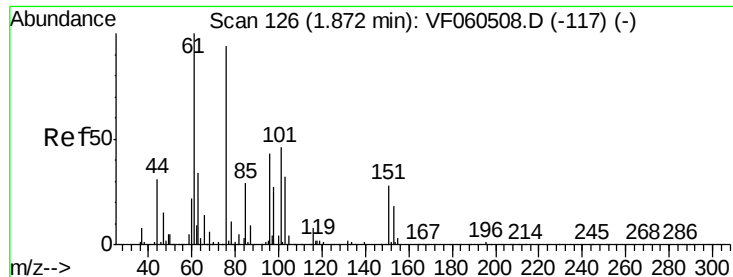
Tgt Ion: 43 Resp: 109309

Ion Ratio Lower Upper

43 100

58 16.1 11.7 17.5

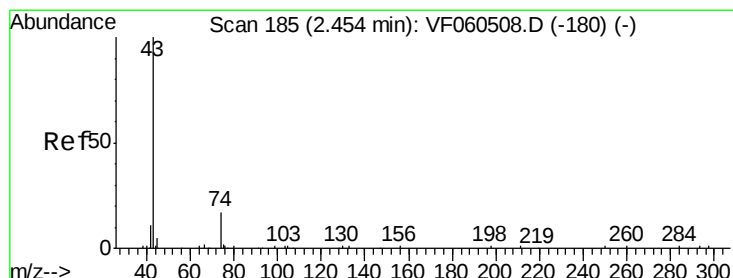
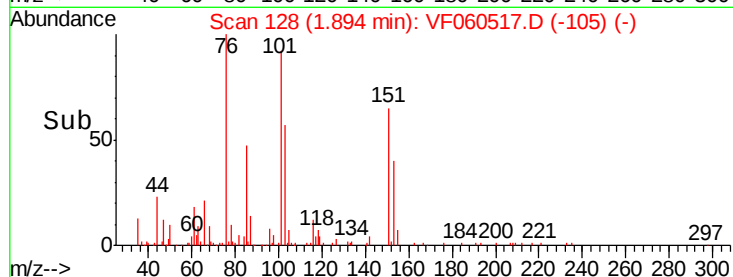
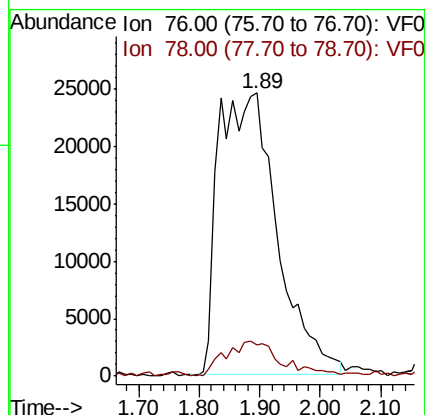
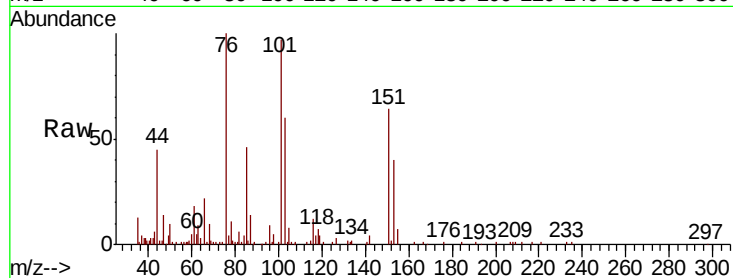




#17
Carbon Disulfide
Concen: 21.821 ug/l
RT: 1.89 min Scan# 128
Delta R.T. 0.02 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

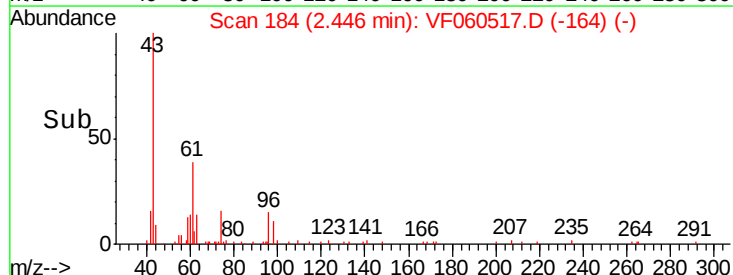
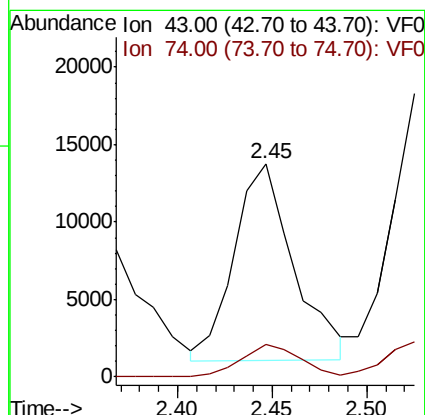
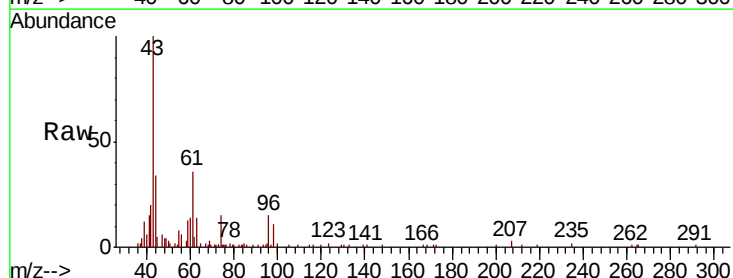
Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

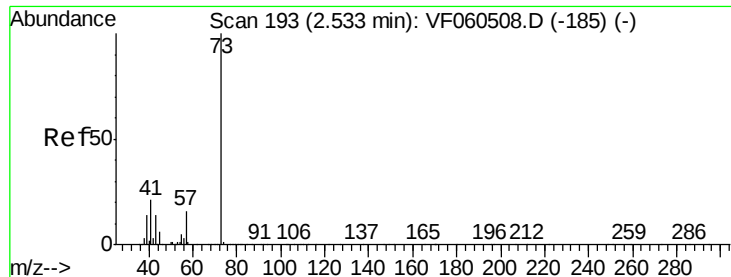
Tot Ion: 76 Resp: 165760
Ion Ratio Lower Upper
76 100
78 11.1 9.2 13.8



#18
Methyl Acetate
Concen: 21.829 ug/l
RT: 2.45 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion: 43 Resp: 27745
Ion Ratio Lower Upper
43 100
74 15.0 12.1 18.1



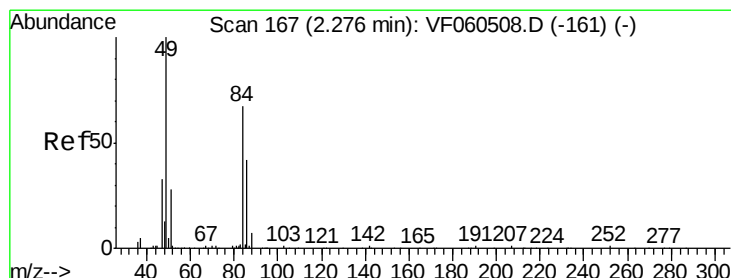
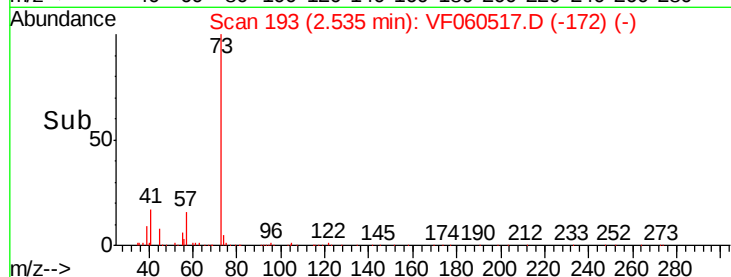
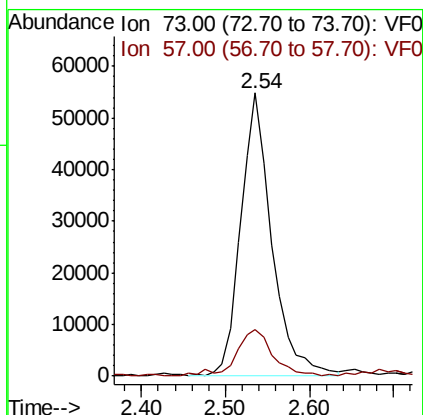
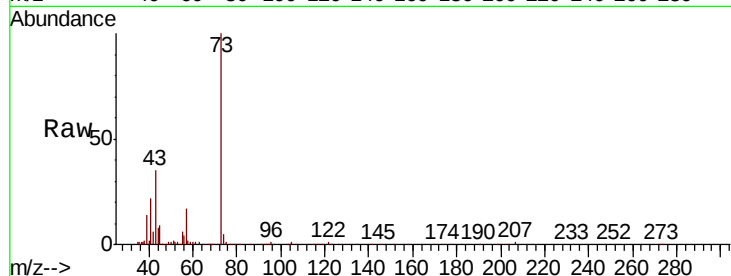


#19

Methyl tert-butyl Ether
 Concen: 20.096 ug/l
 RT: 2.54 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

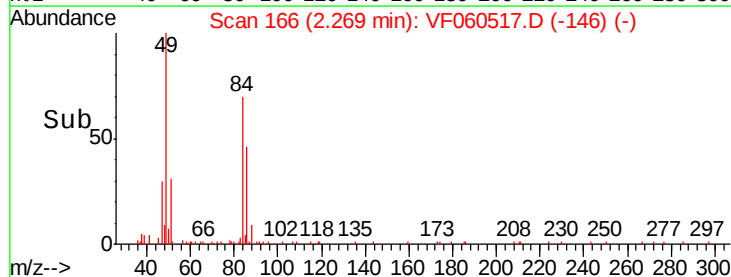
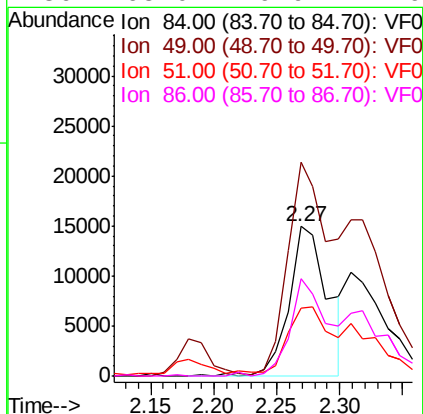
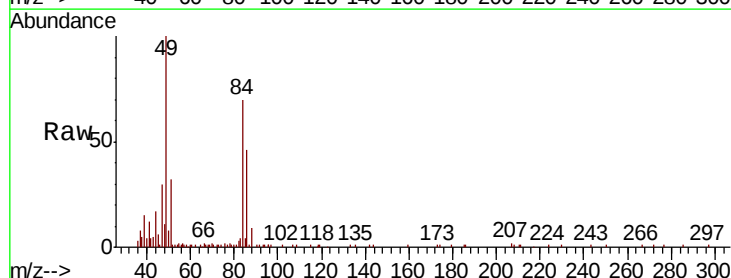
Tot Ion: 73 Resp: 139458
 Ion Ratio Lower Upper
 73 100
 57 16.6 13.3 19.9

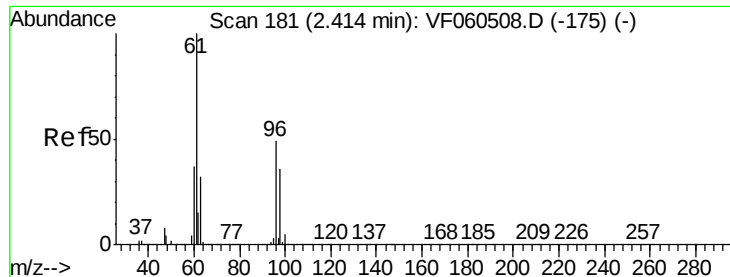


#20

Methylene Chloride
 Concen: 10.720 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion: 84 Resp: 32373
 Ion Ratio Lower Upper
 84 100
 49 142.6 123.1 184.7
 51 45.7 35.3 52.9
 86 65.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 22.487 ug/l

RT: 2.41 min Scan# 180

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

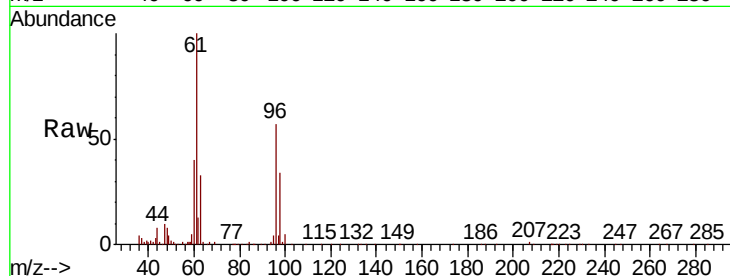
Tot Ion: 96 Resp: 59470

Ion Ratio Lower Upper

96 100

61 175.8 162.5 243.7

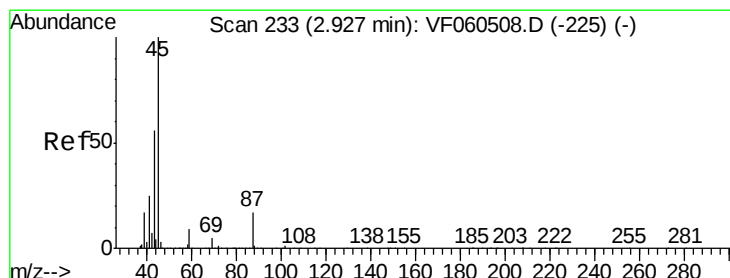
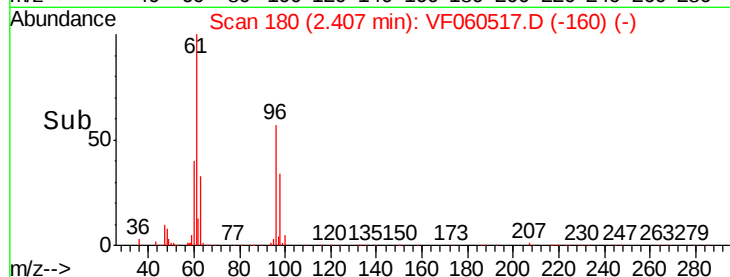
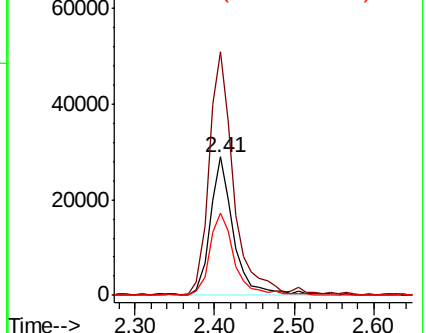
98 59.5 58.5 87.7



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: 22.623 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Tgt Ion: 45 Resp: 178062

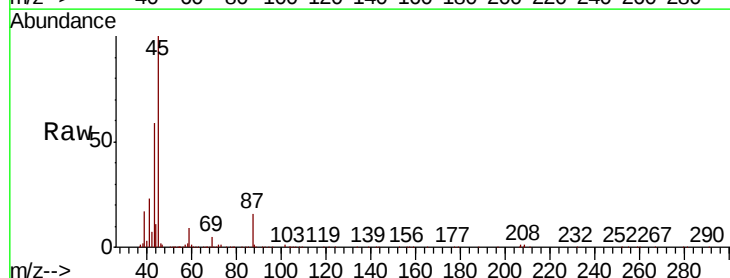
Ion Ratio Lower Upper

45 100

43 59.0 45.2 67.8

87 15.9 13.4 20.2

59 9.0 7.0 10.6

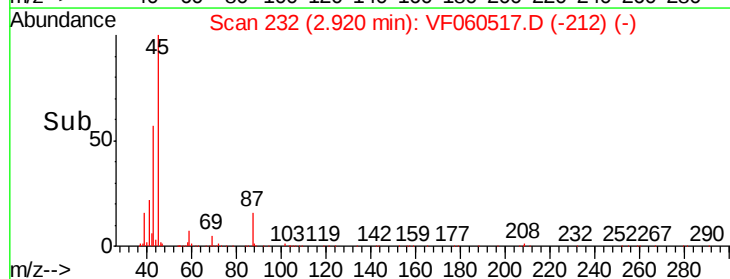
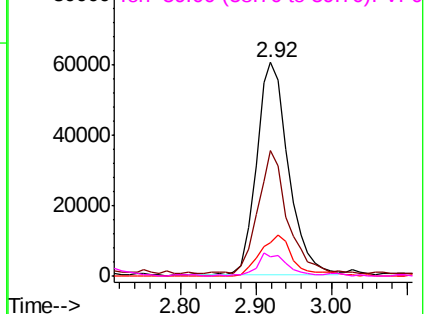


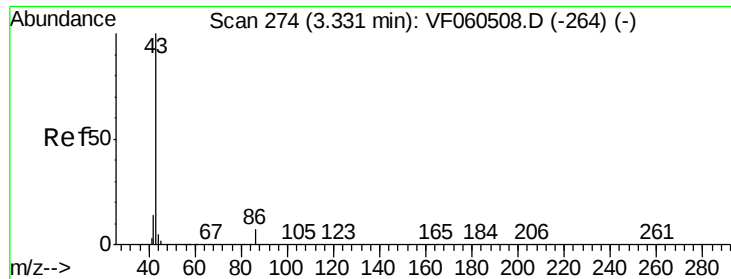
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 124.801 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

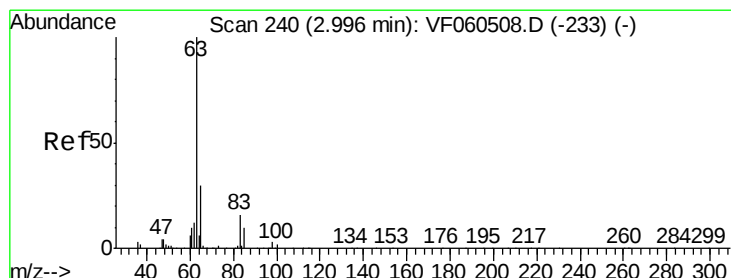
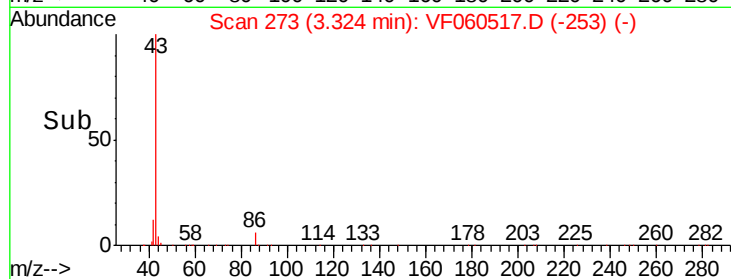
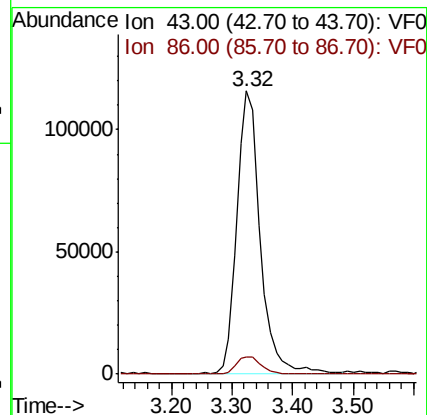
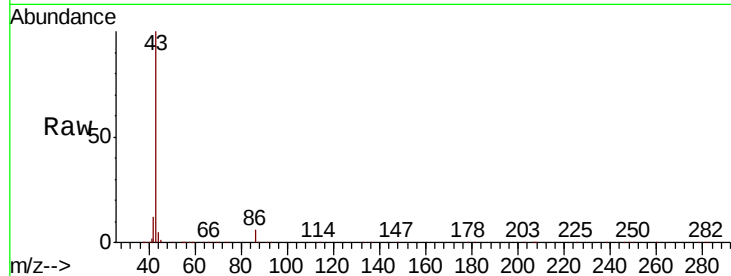
VF1026SBS01

Tot Ion: 43 Resp: 310714

Ion Ratio Lower Upper

43 100

86 6.3 5.3 7.9



#24

1,1-Dichloroethane

Concen: 21.122 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

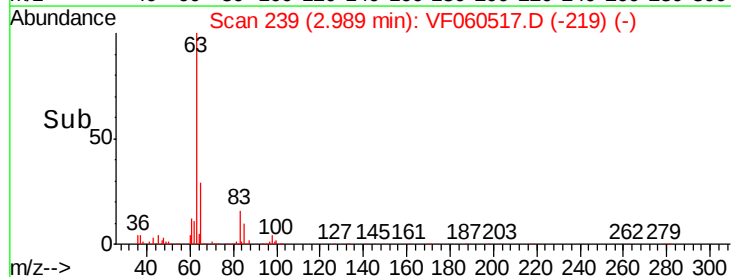
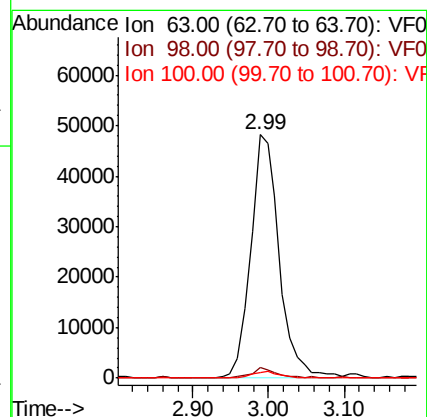
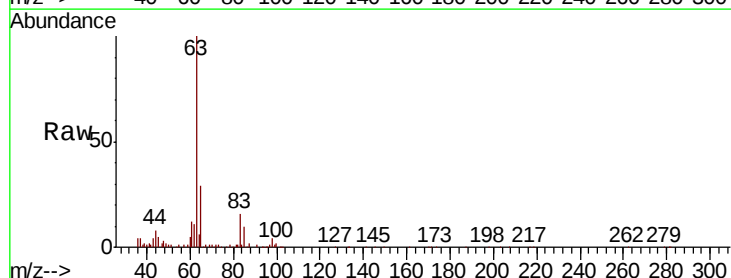
Tgt Ion: 63 Resp: 126780

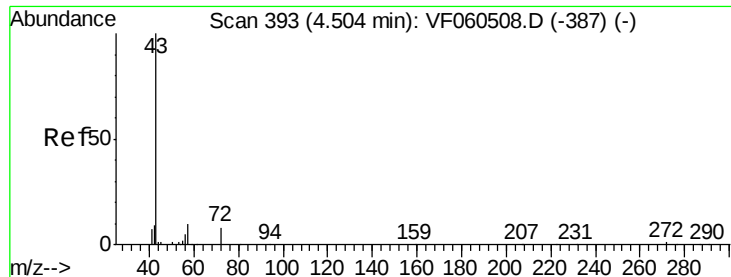
Ion Ratio Lower Upper

63 100

98 4.2 1.7 5.0

100 2.4 1.1 3.3





#25

2-Butanone

Concen: 155.436 ug/l

RT: 4.50 min Scan# 392

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

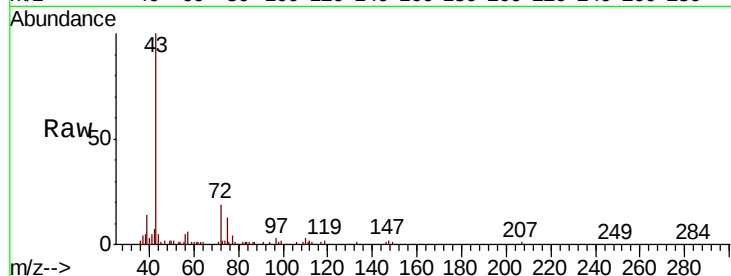
VF1026SBS01

Tot Ion: 43 Resp: 106837

Ion Ratio Lower Upper

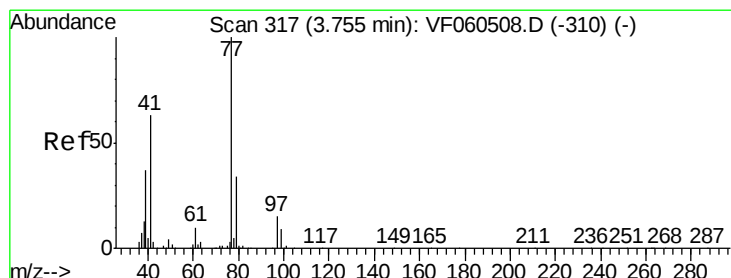
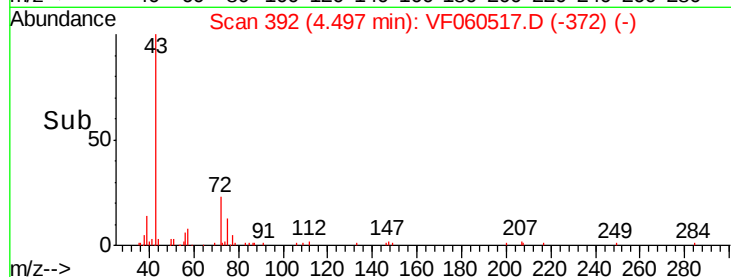
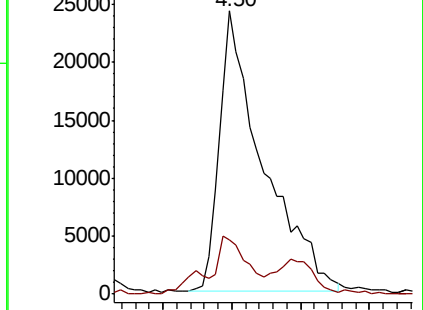
43 100

72 19.2 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 20.378 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060517.D

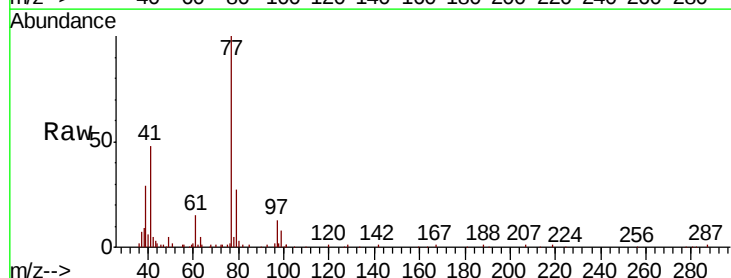
Acq: 26 Oct 2018 15:35

Tgt Ion: 77 Resp: 80899

Ion Ratio Lower Upper

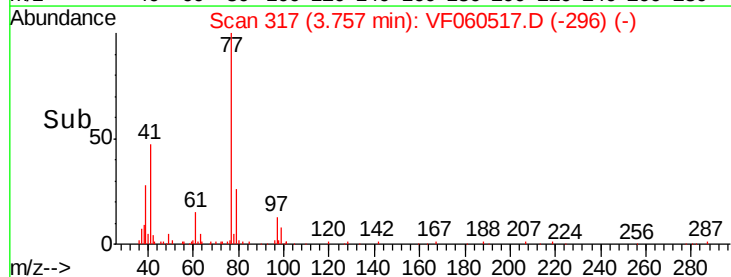
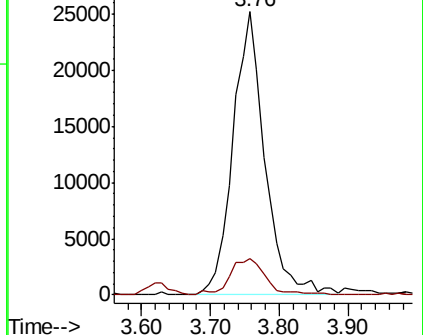
77 100

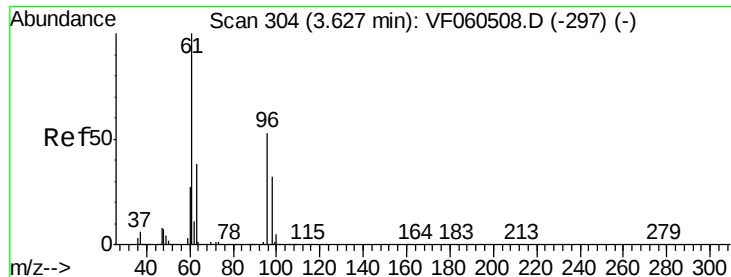
97 13.0 7.9 23.7



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



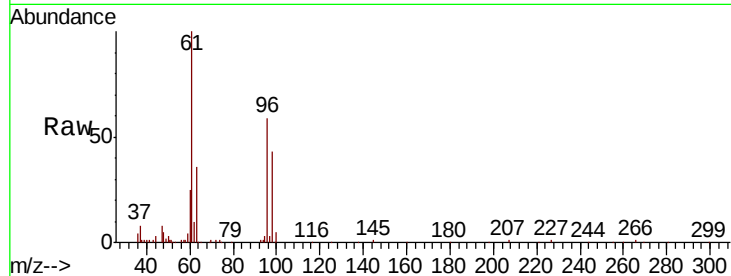


#27

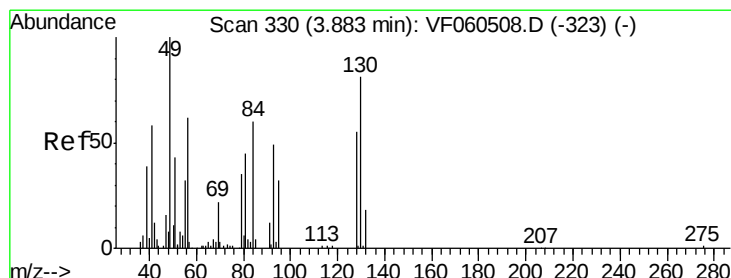
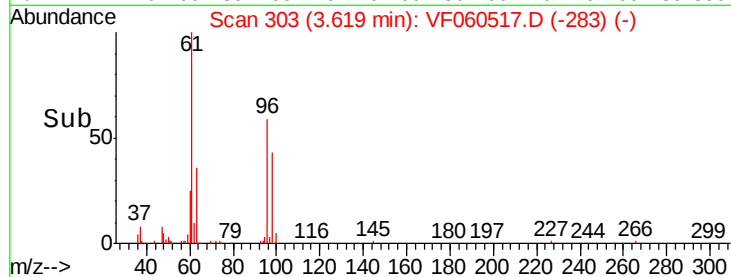
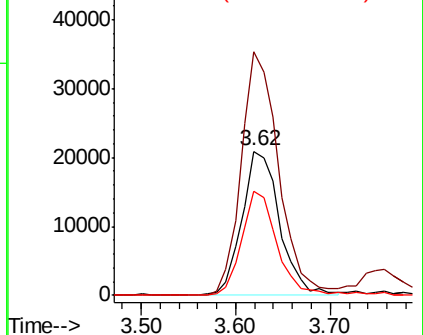
cis-1,2-Dichloroethene
Concen: 22.948 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.6	0.0	377.0
98	72.2	0.0	122.4



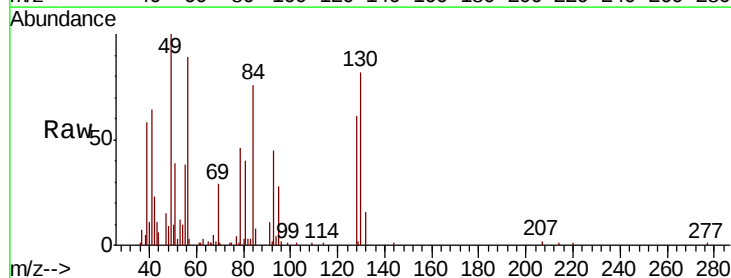
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



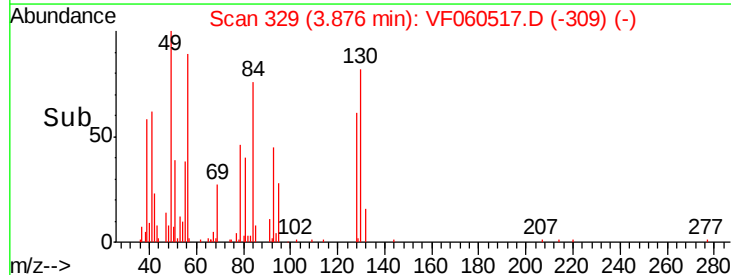
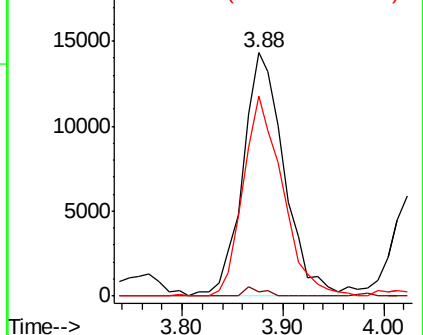
#28

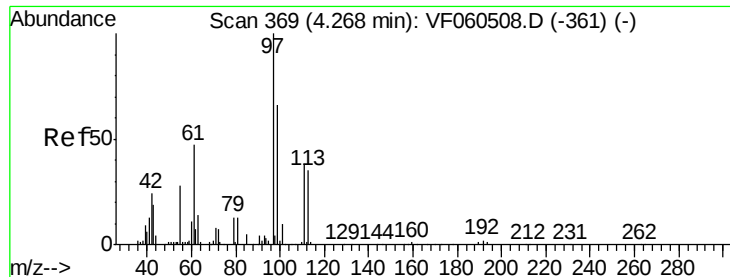
Bromochloromethane
Concen: 23.084 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.0
130	82.4	65.0	97.4



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: 133.031 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.02 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

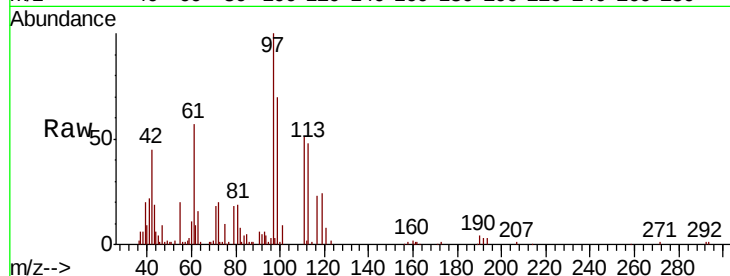
Tot Ion: 42 Resp: 32710

Ion Ratio Lower Upper

42 100

72 40.3 32.1 48.1

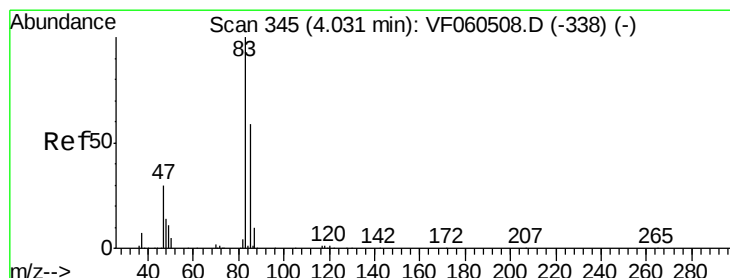
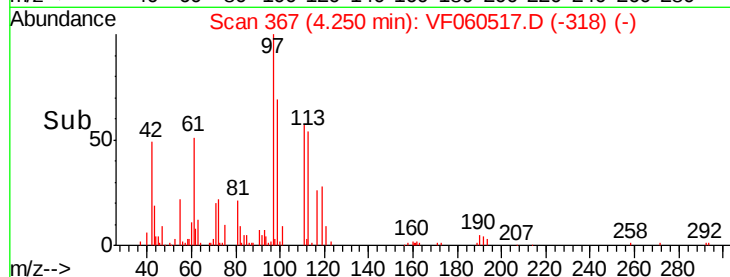
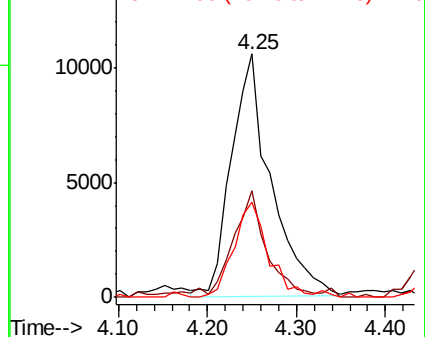
71 34.1 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 21.437 ug/l

RT: 4.02 min Scan# 344

Delta R.T. -0.01 min

Lab File: VF060517.D

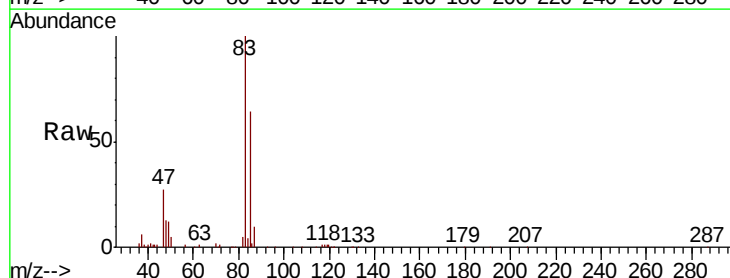
Acq: 26 Oct 2018 15:35

Tgt Ion: 83 Resp: 148398

Ion Ratio Lower Upper

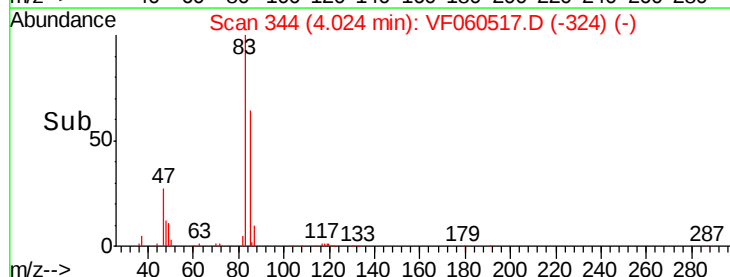
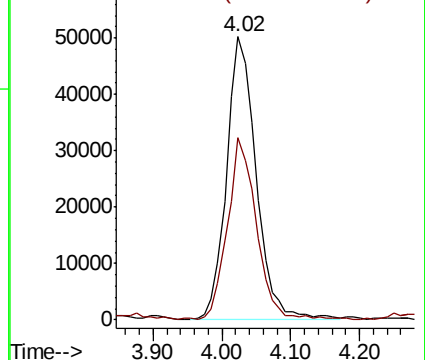
83 100

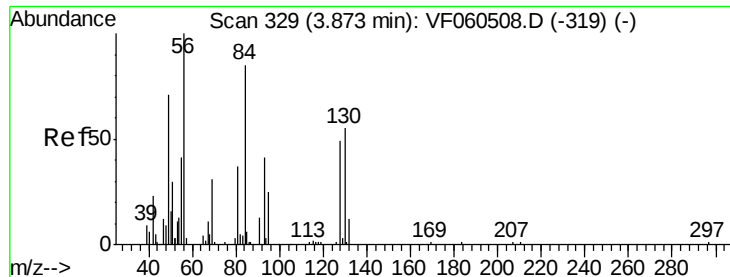
85 65.9 47.4 71.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

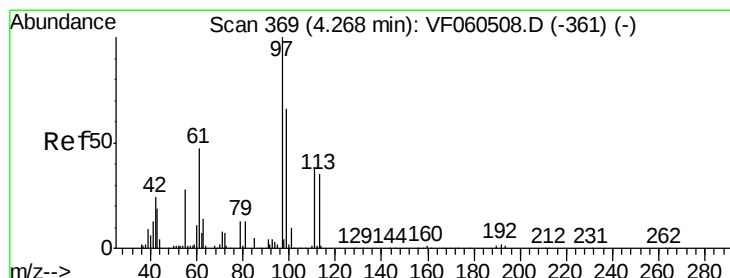
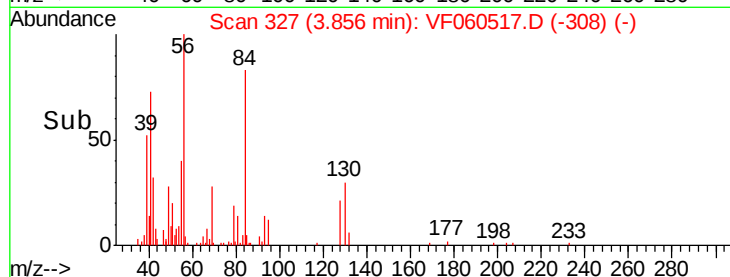
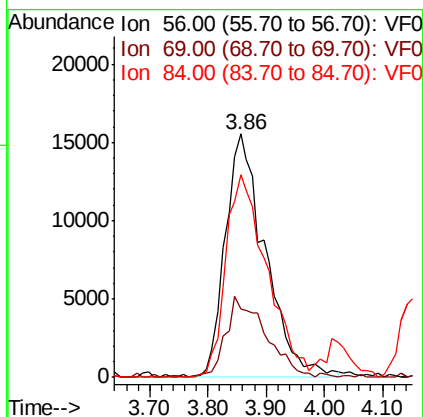
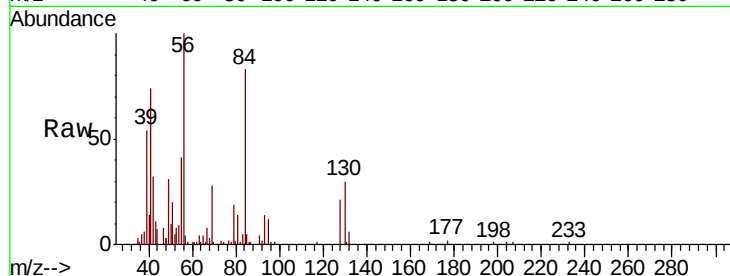




#31
Cyclohexane
Concen: 25.094 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.02 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

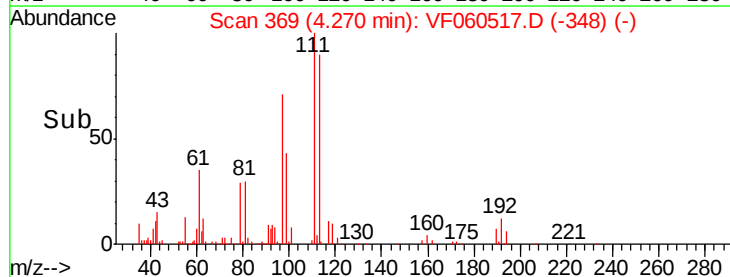
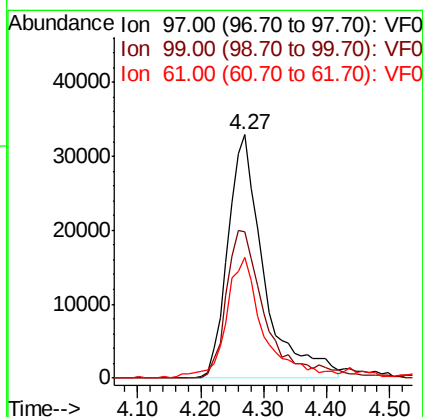
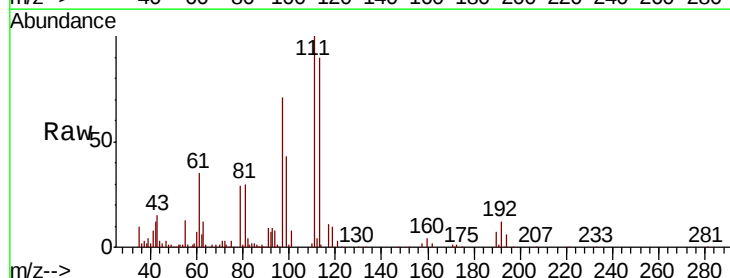
Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

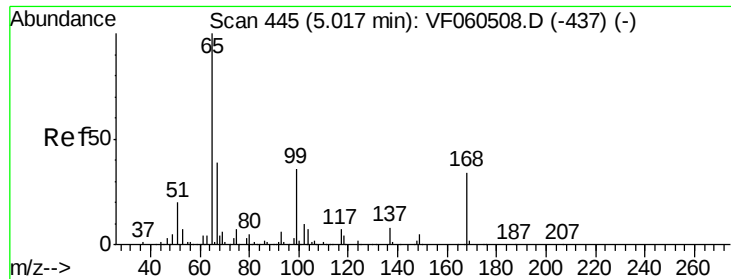
Tot Ion: 56 Resp: 74372
Ion Ratio Lower Upper
56 100
69 28.0 24.6 37.0
84 83.3 68.2 102.2



#32
1,1,1-Trichloroethane
Concen: 20.379 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion: 97 Resp: 130243
Ion Ratio Lower Upper
97 100
99 60.2 53.0 79.6
61 49.8 37.9 56.9

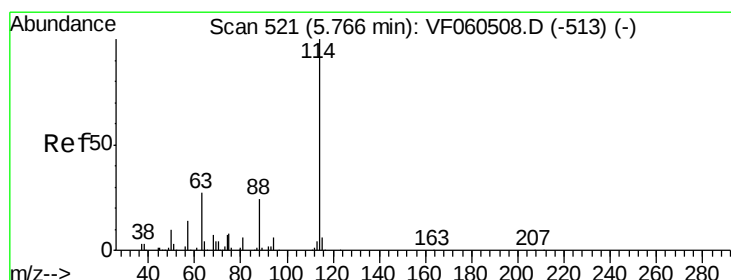
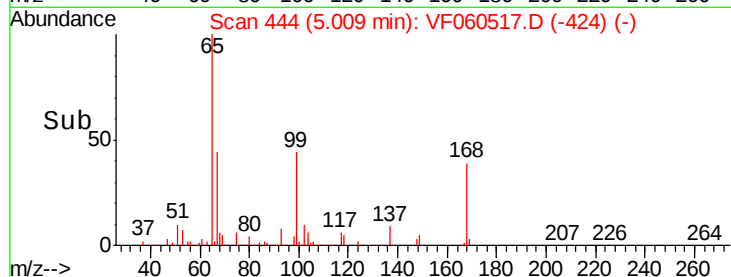
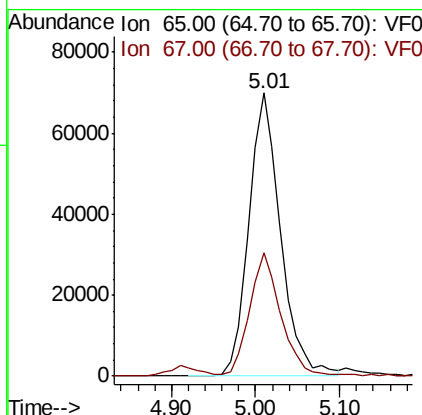
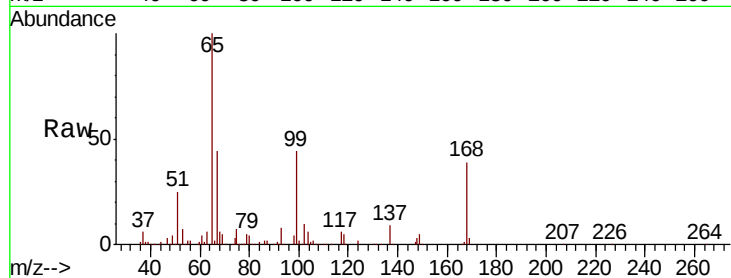




#33
 1,2-Dichloroethane-d4
 Concen: 47.932 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

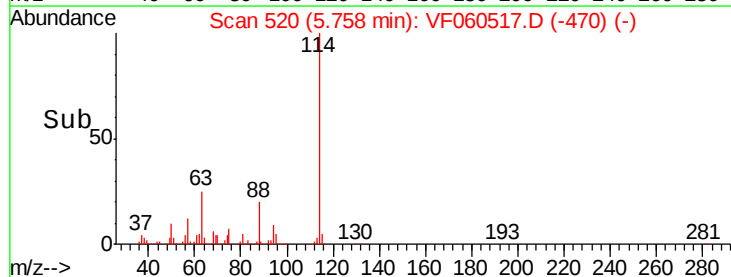
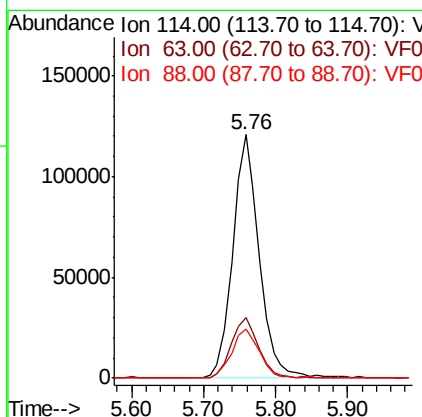
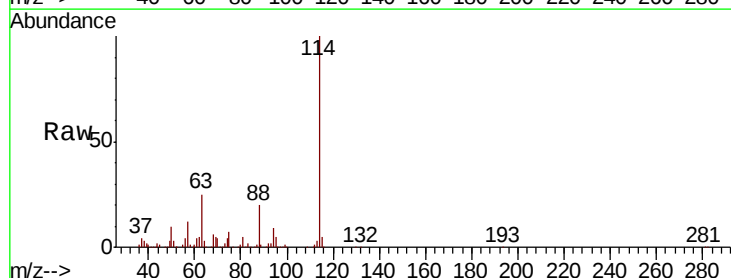
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

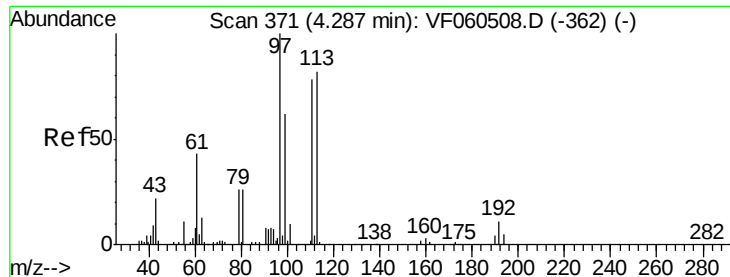
Tot Ion: 65 Resp: 185517
 Ion Ratio Lower Upper
 65 100
 67 43.5 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion: 114 Resp: 308358
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 54.4
 88 20.4 0.0 47.2

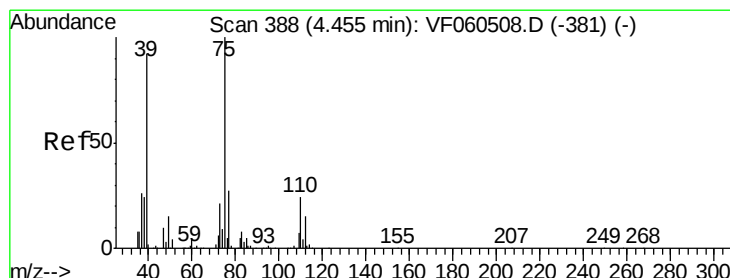
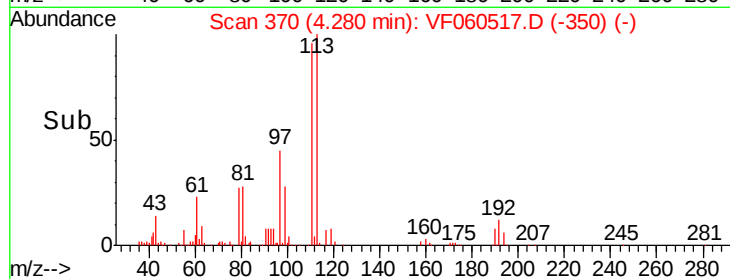
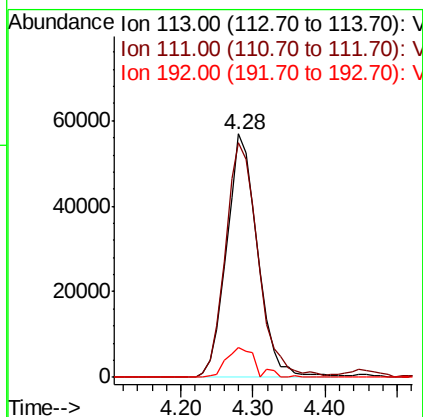
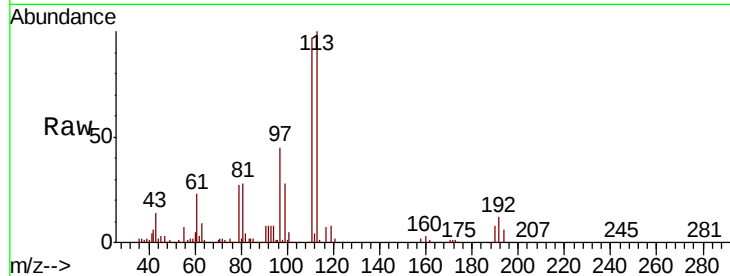




#35
 Dibromofluoromethane
 Concen: 46.063 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

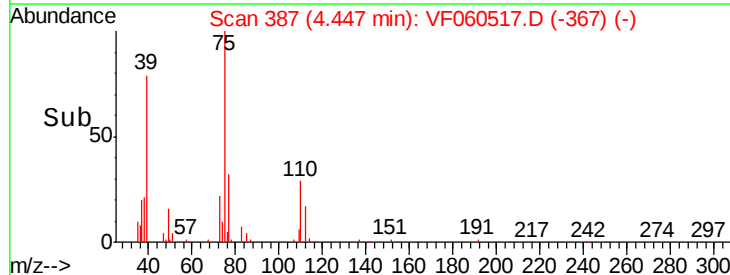
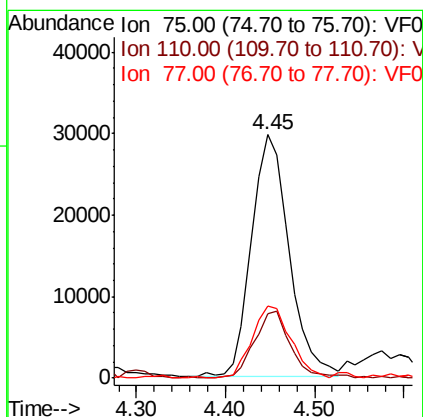
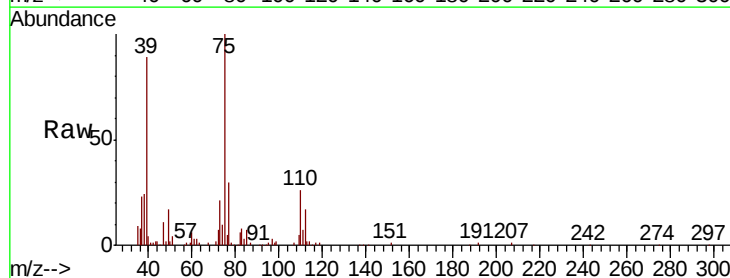
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

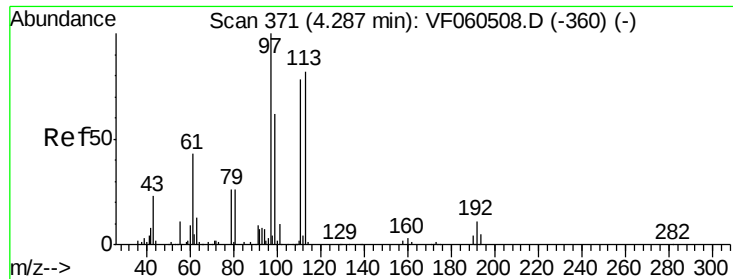
Tot Ion:113 Resp: 170259
 Ion Ratio Lower Upper
 113 100
 111 96.5 75.9 113.9
 192 12.0 10.6 15.8



#36
 1,1-Dichloropropene
 Concen: 18.997 ug/l
 RT: 4.45 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion: 75 Resp: 86698
 Ion Ratio Lower Upper
 75 100
 110 26.3 12.1 36.3
 77 29.8 21.8 32.6

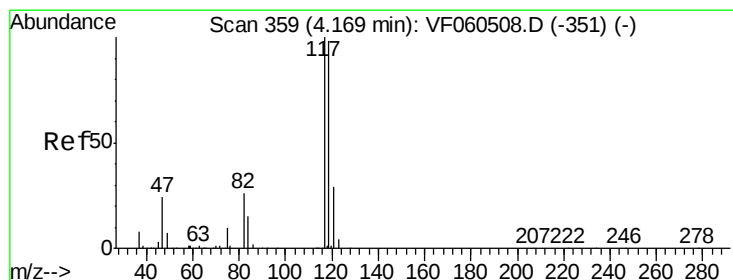
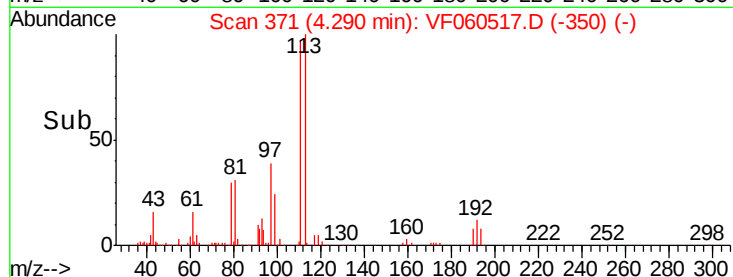
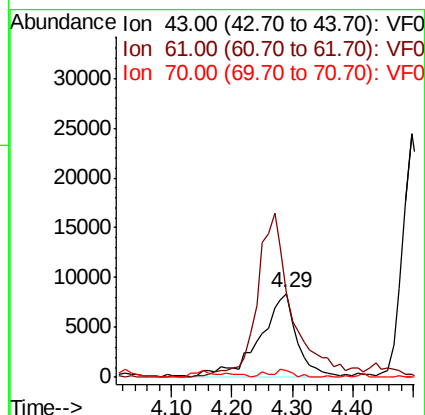
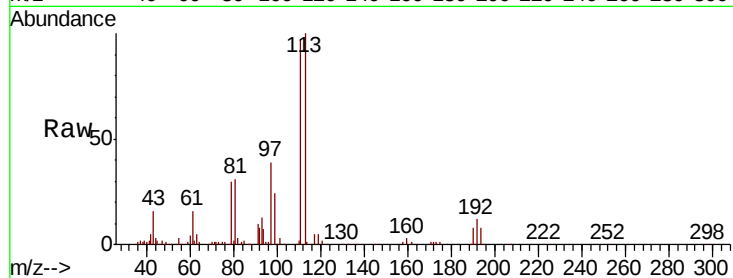




#37
Ethyl Acetate
Concen: 26.097 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

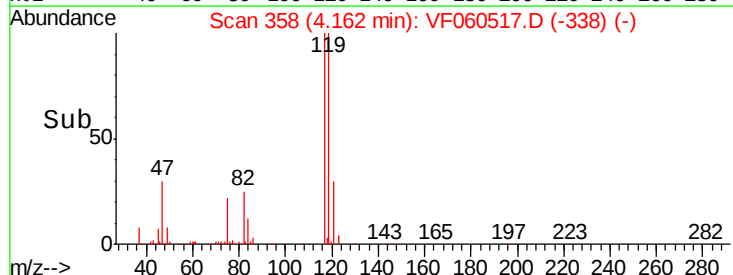
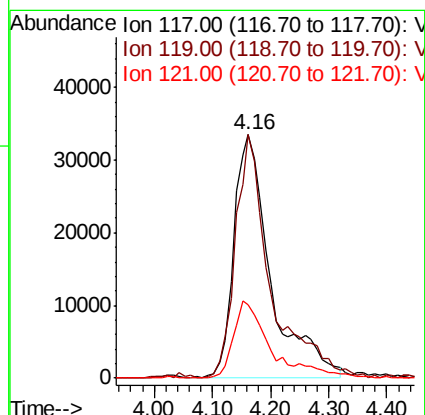
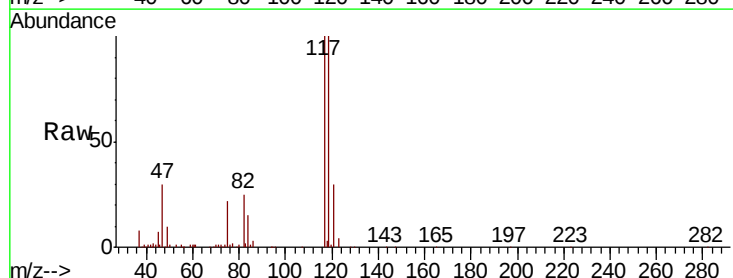
Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

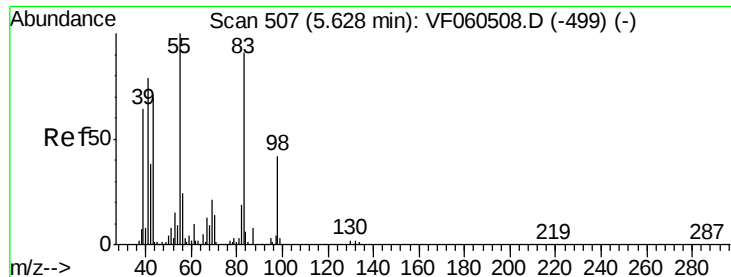
Tot Ion: 43 Resp: 36291
Ion Ratio Lower Upper
43 100
61 100.0 148.5 222.7#
70 8.2 4.7 7.1#



#38
Carbon Tetrachloride
Concen: 21.516 ug/l
RT: 4.16 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion: 117 Resp: 148589
Ion Ratio Lower Upper
117 100
119 100.2 78.3 117.5
121 30.1 23.3 34.9

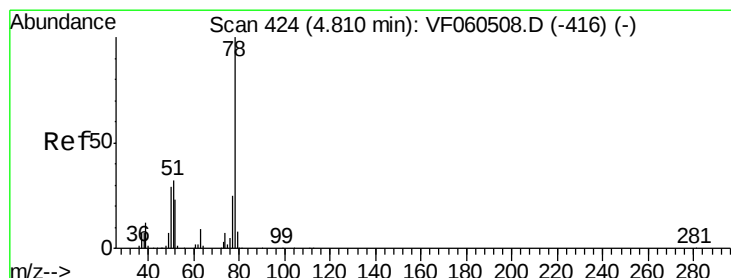
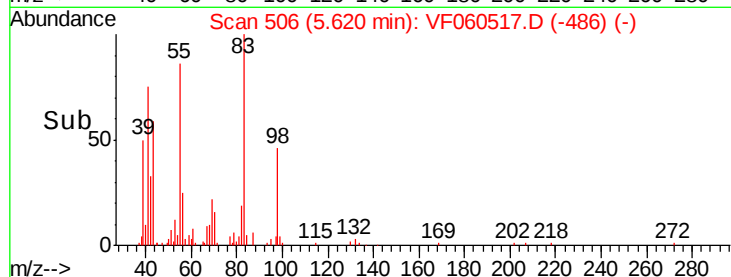
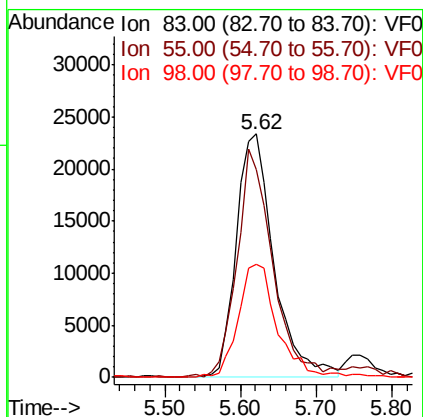
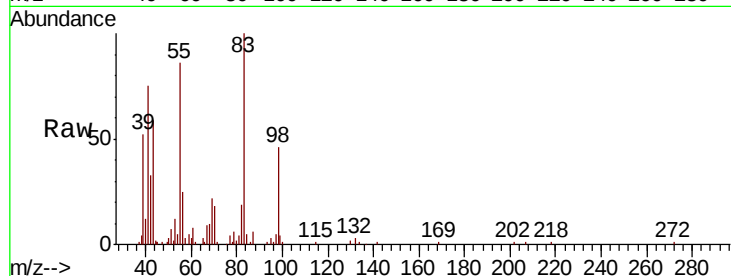




#39
Methvlcvclohexane
Concen: 21.619 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

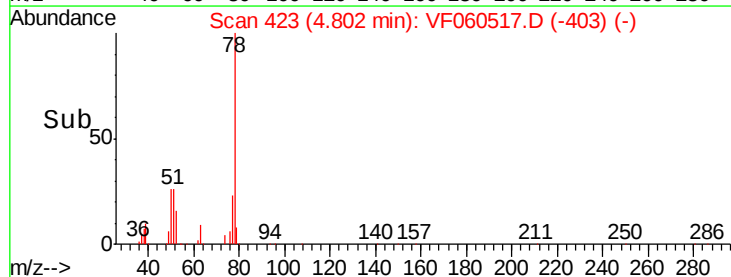
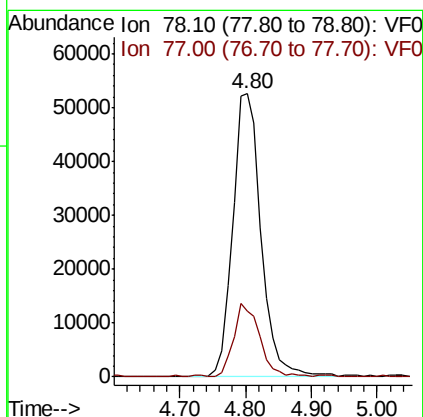
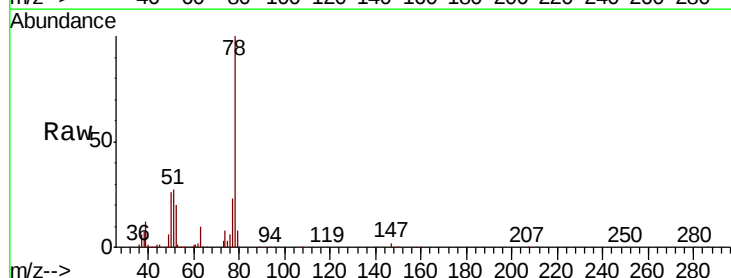
Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

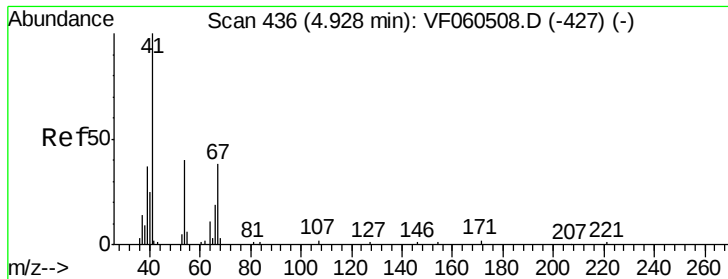
Tot Ion: 83 Resp: 80521
Ion Ratio Lower Upper
83 100
55 85.5 87.9 131.9#
98 46.4 37.0 55.6



#40
Benzene
Concen: 21.150 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion: 78 Resp: 158806
Ion Ratio Lower Upper
78 100
77 23.3 20.2 30.4





#41

Methacrylonitrile

Concen: 19.643 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.02 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion: 41 Resp: 15031

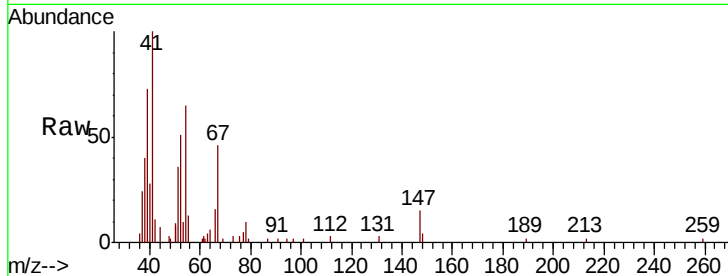
Ion Ratio Lower Upper

41 100

39 72.8 55.2 82.8

67 46.0 29.8 44.8#

52 50.7 37.0 55.6

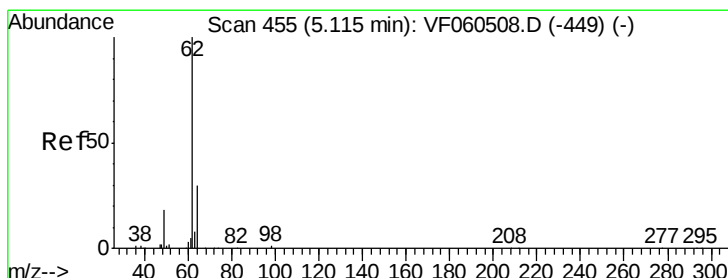
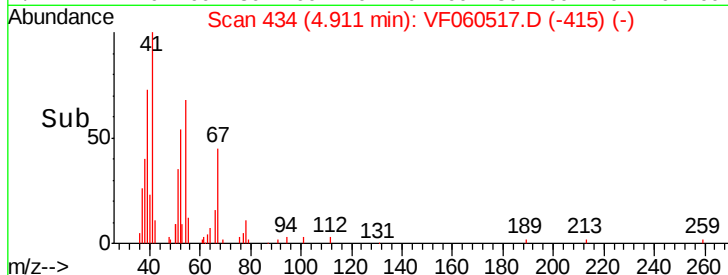
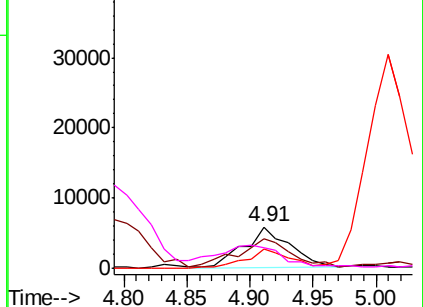


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 18.320 ug/l

RT: 5.11 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF060517.D

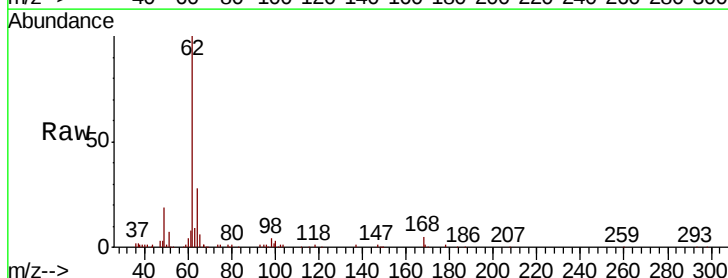
Acq: 26 Oct 2018 15:35

Tgt Ion: 62 Resp: 88918

Ion Ratio Lower Upper

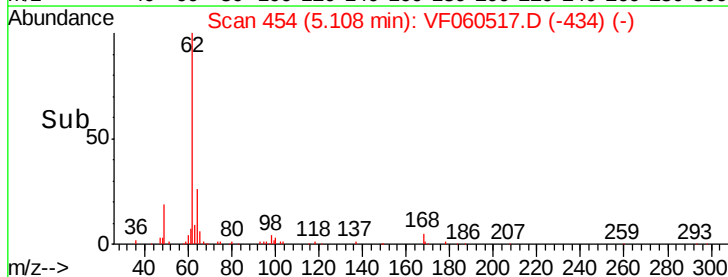
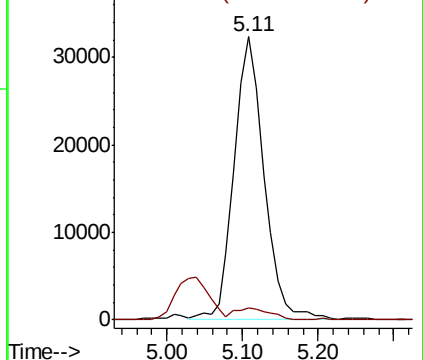
62 100

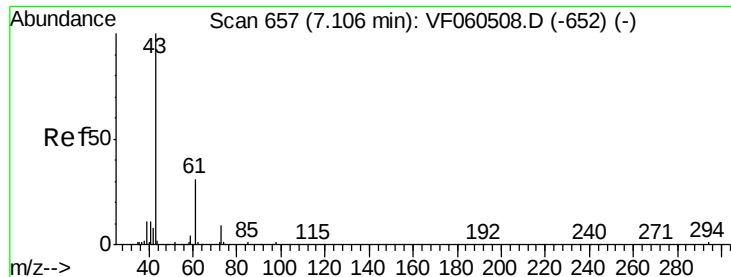
98 4.2 0.0 9.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



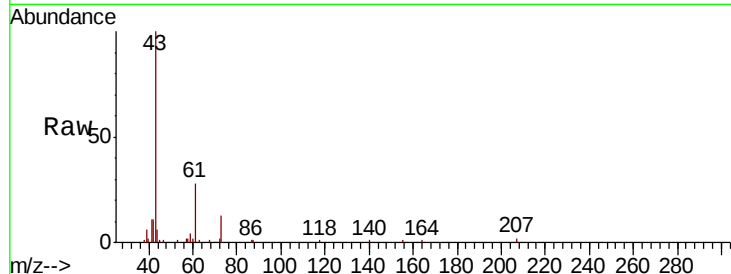


#43

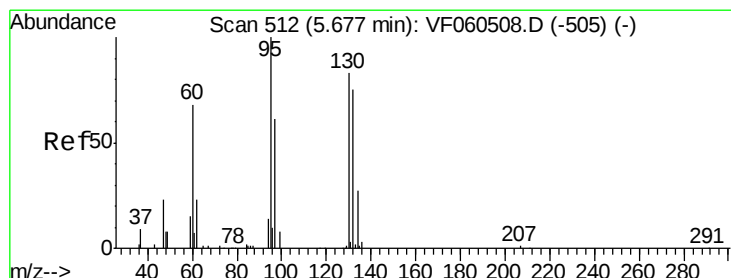
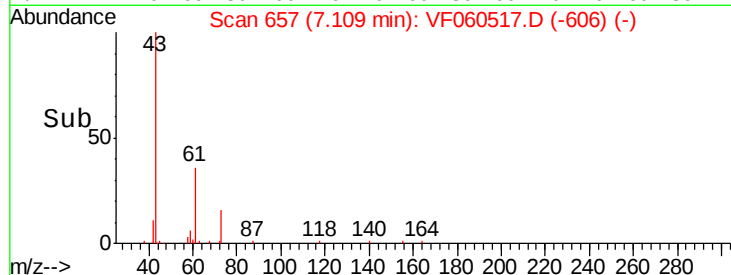
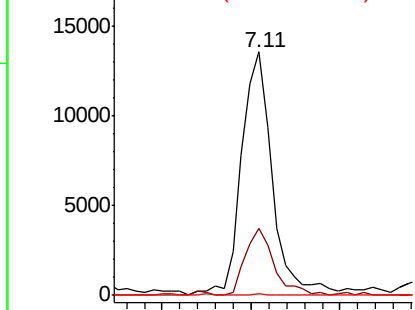
Isopropyl Acetate
 Concen: 20.804 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	24.4	36.6
87	0.8	0.0	0.0#



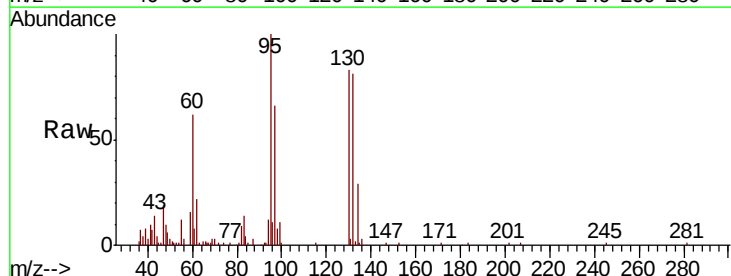
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



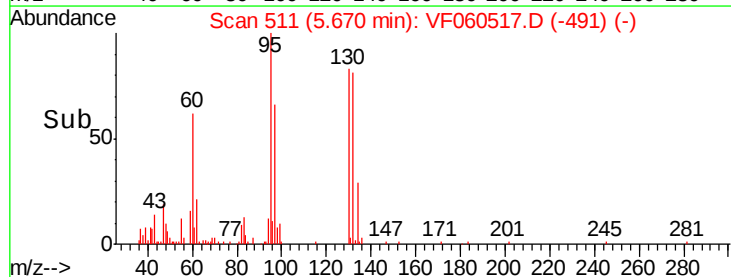
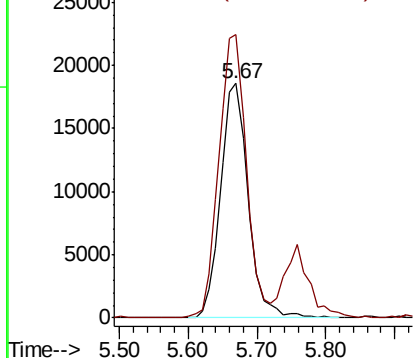
#44

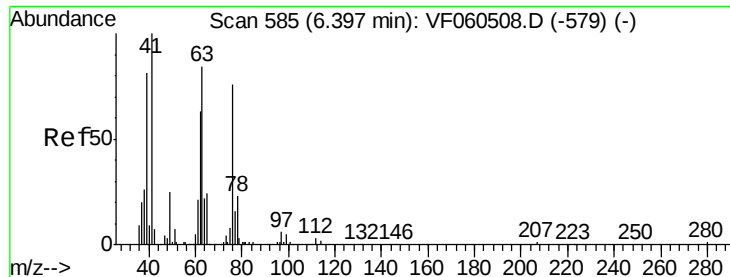
Trichloroethene
 Concen: 19.757 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	120.6	0.0	242.8



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





#45

1,2-Dichloropropane

Concen: 20.431 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

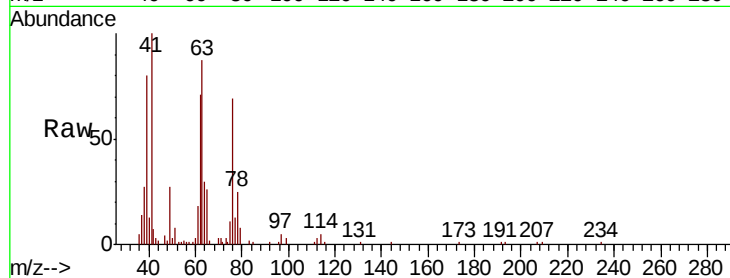
VF1026SBS01

Tot Ion: 63 Resp: 38846

Ion Ratio Lower Upper

63 100

65 29.9 22.7 34.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

15000

10000

5000

0

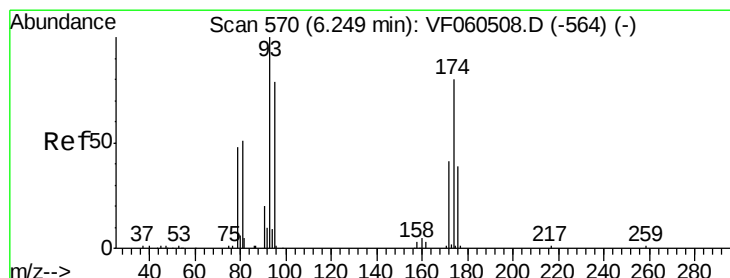
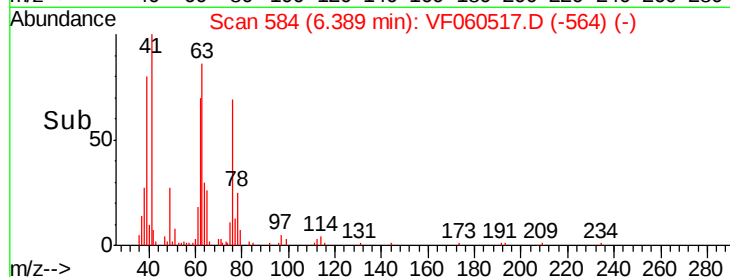
6.39

6.30

6.40

6.50

Time-->



#46

Dibromomethane

Concen: 19.468 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

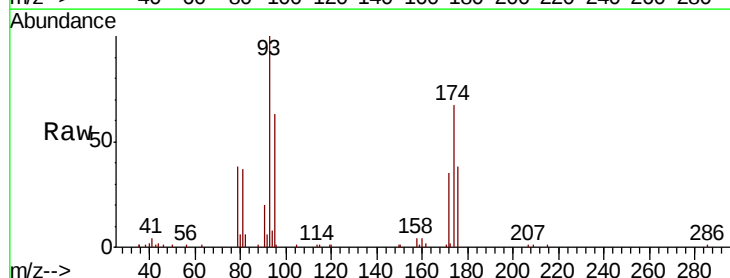
Tgt Ion: 93 Resp: 34736

Ion Ratio Lower Upper

93 100

95 62.5 63.8 95.8#

174 67.5 64.9 97.3



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

15000

10000

5000

0

6.24

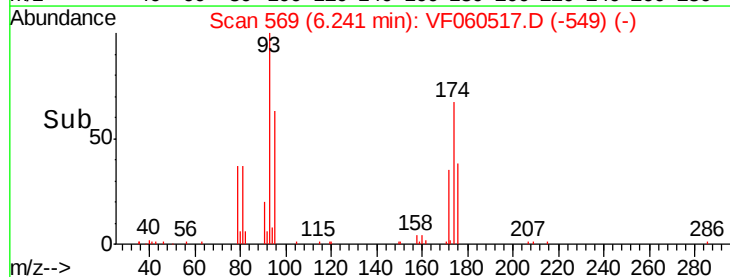
6.10

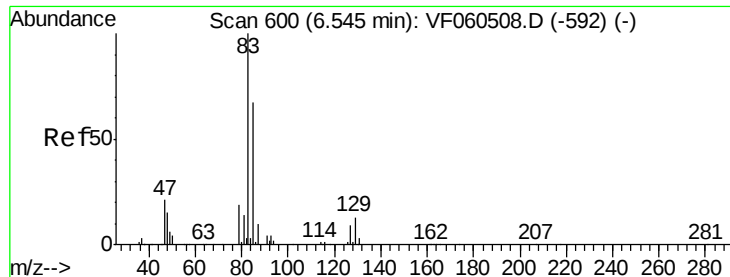
6.20

6.30

6.40

Time-->





#47

Bromodichloromethane

Concen: 19.177 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

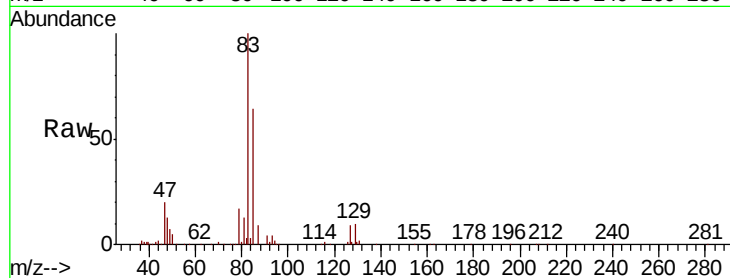
Tot Ion: 83 Resp: 95991

Ion Ratio Lower Upper

83 100

85 63.9 53.4 80.0

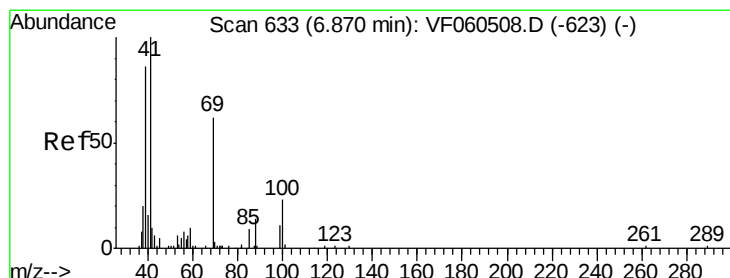
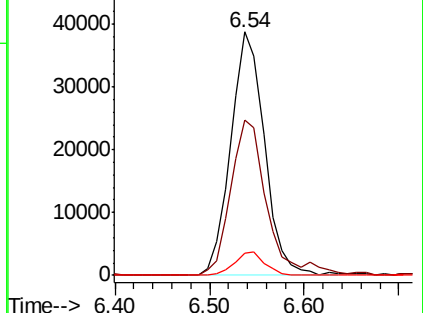
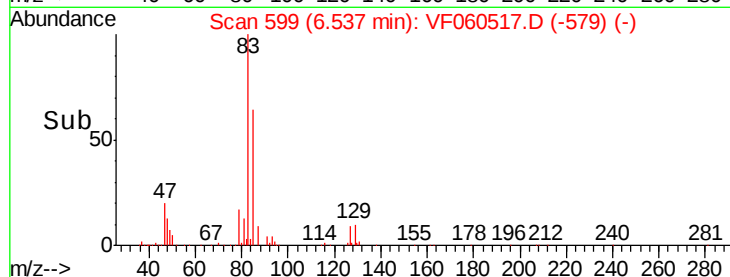
127 9.2 6.9 10.3



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: 19.367 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

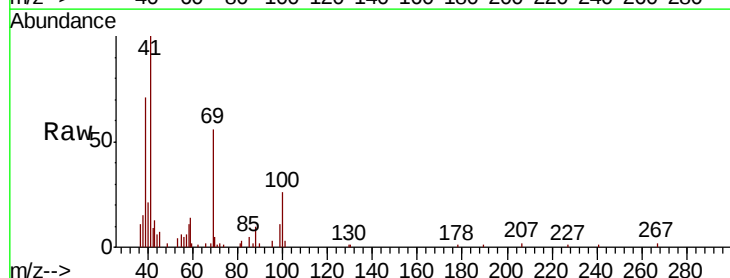
Tgt Ion: 41 Resp: 22962

Ion Ratio Lower Upper

41 100

69 55.5 49.6 74.4

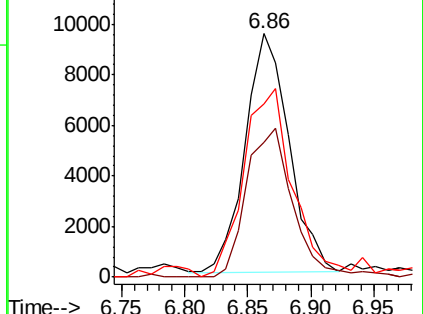
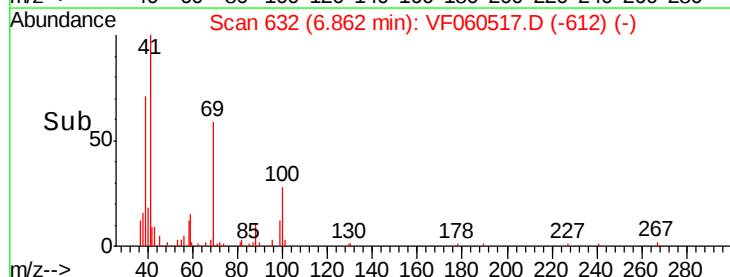
39 71.2 69.4 104.2

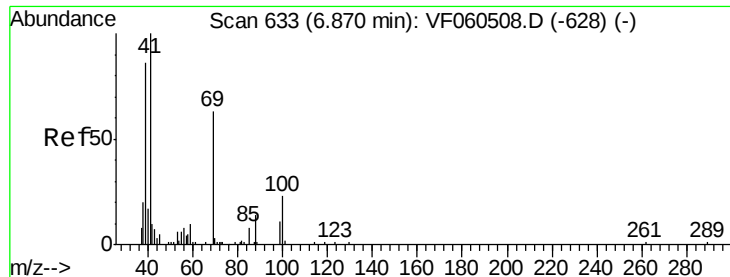


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 412.319 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.02 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

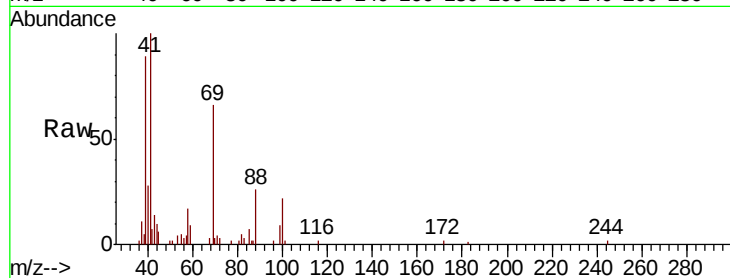
Tot Ion: 88 Resp: 4212

Ion Ratio Lower Upper

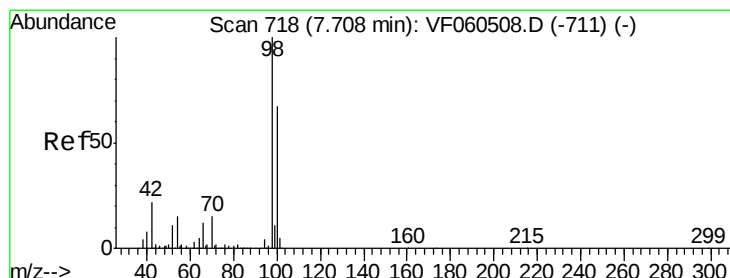
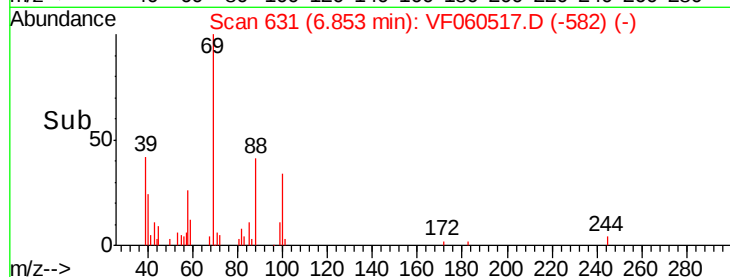
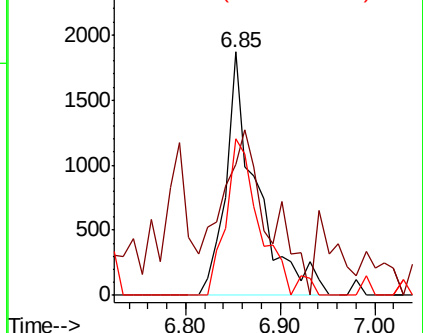
88 100

43 53.8 39.3 58.9

58 64.3 35.0 52.6#



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: 47.209 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF060517.D

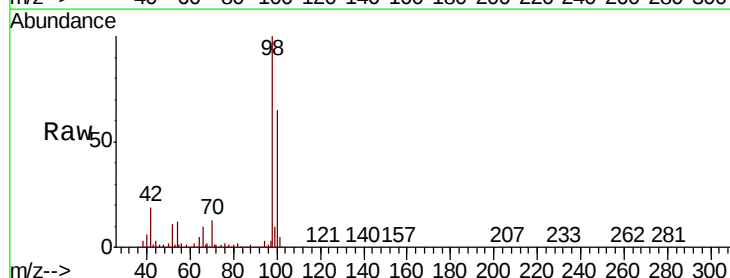
Acq: 26 Oct 2018 15:35

Tgt Ion: 98 Resp: 350179

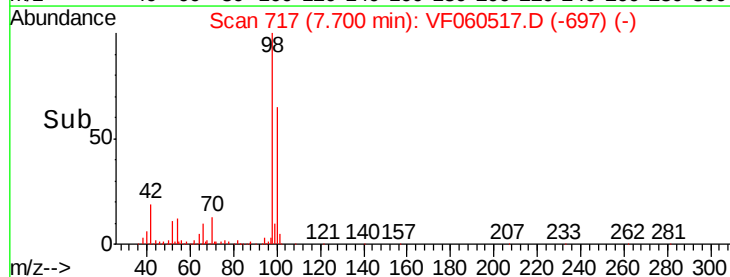
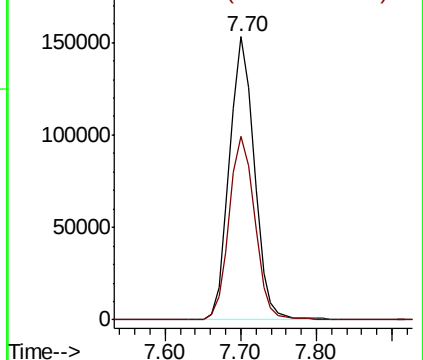
Ion Ratio Lower Upper

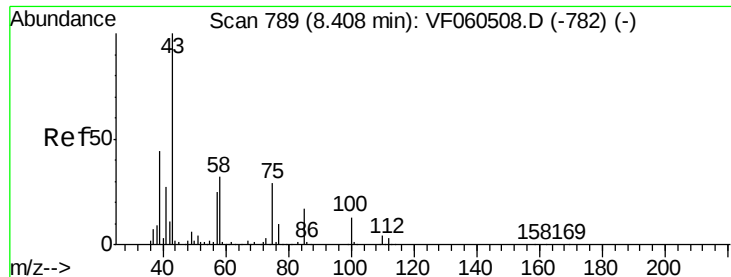
98 100

100 64.9 53.4 80.0



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: 97.619 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

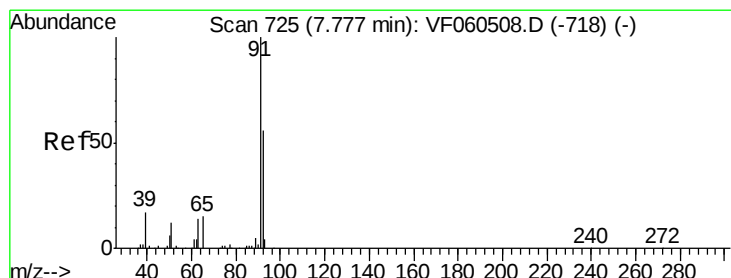
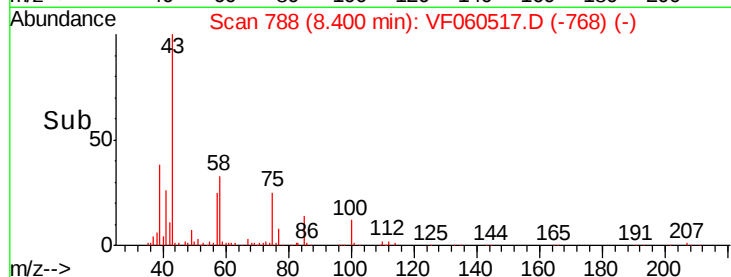
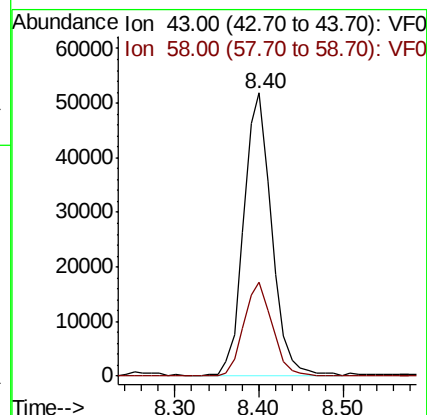
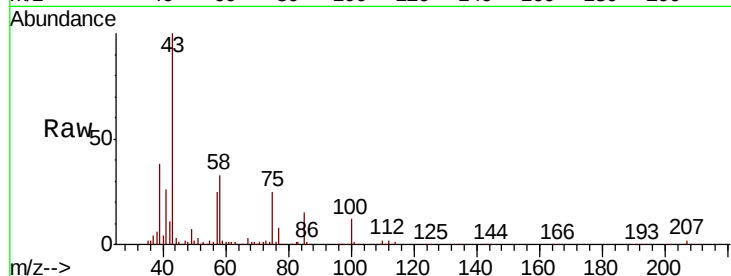
VF1026SBS01

Tot Ion: 43 Resp: 119942

Ion Ratio Lower Upper

43 100

58 33.1 25.4 38.2



#52

Toluene

Concen: 20.595 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060517.D

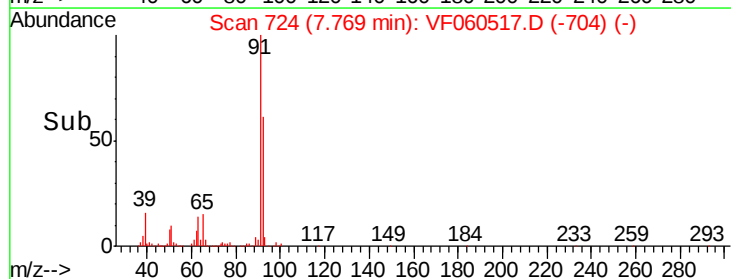
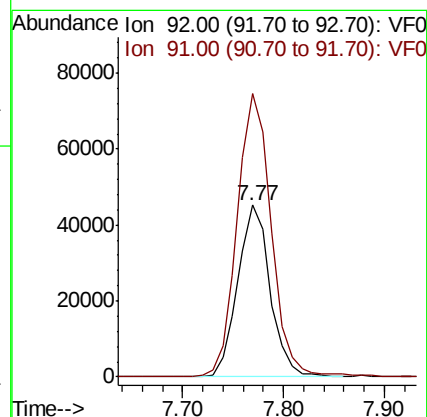
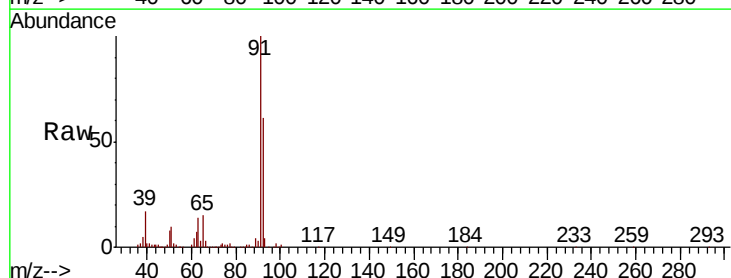
Acq: 26 Oct 2018 15:35

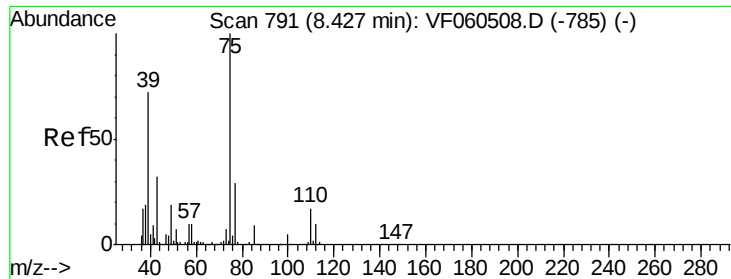
Tgt Ion: 92 Resp: 101684

Ion Ratio Lower Upper

92 100

91 165.0 143.8 215.8





#53

t-1,3-Dichloropropene

Concen: 18.570 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

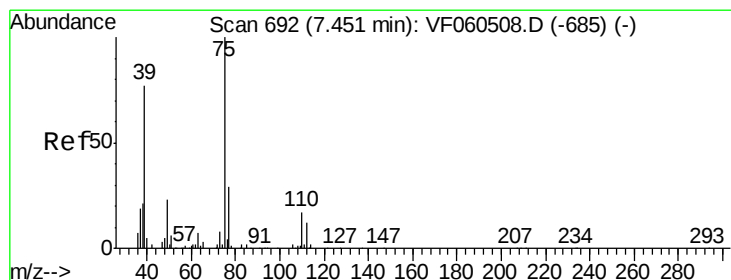
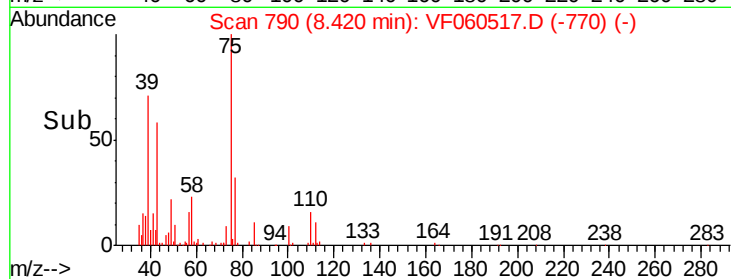
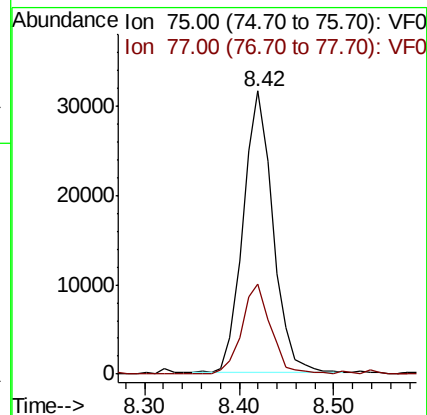
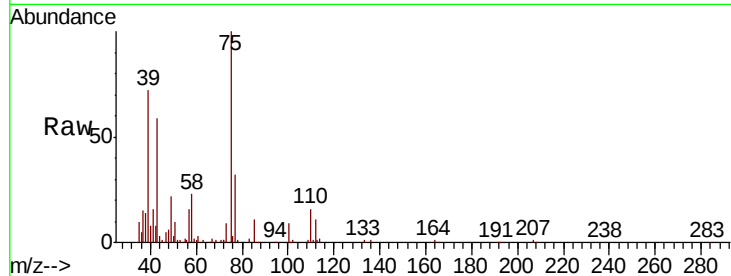
VF1026SBS01

Tot Ion: 75 Resp: 68829

Ion Ratio Lower Upper

75 100

77 31.8 23.7 35.5



#54

cis-1,3-Dichloropropene

Concen: 19.479 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

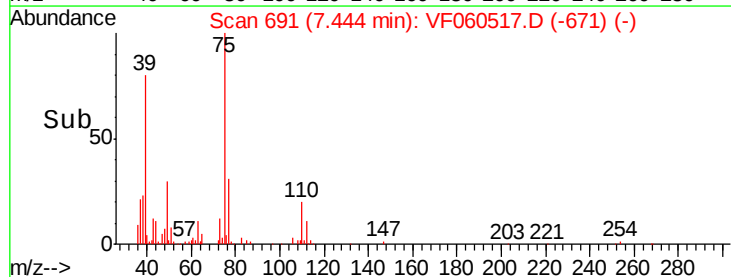
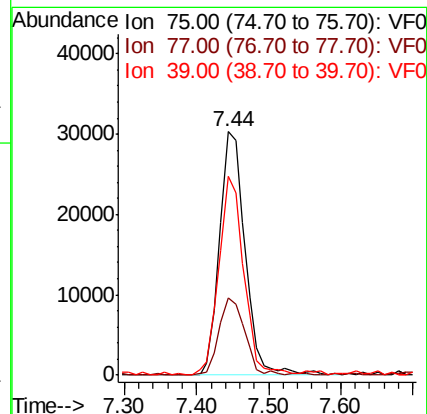
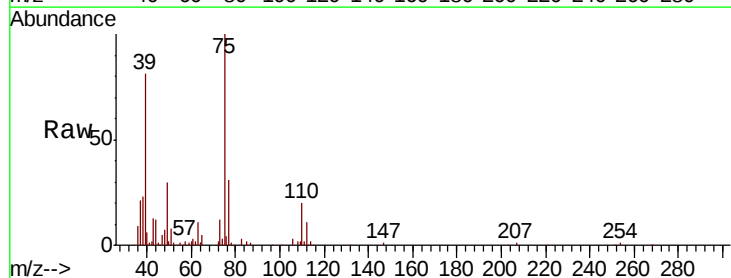
Tgt Ion: 75 Resp: 74373

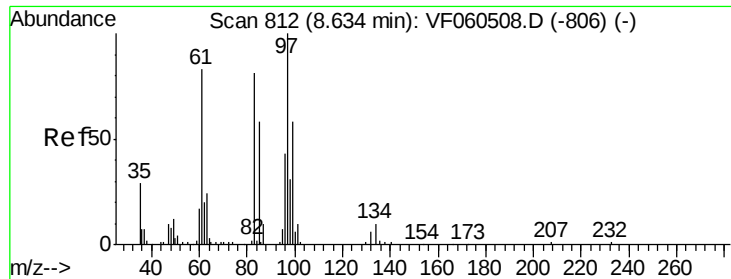
Ion Ratio Lower Upper

75 100

77 31.5 23.6 35.4

39 81.4 61.6 92.4





#55

1,1,2-Trichloroethane

Concen: 19.284 ug/l

RT: 8.64 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion: 97 Resp: 30142

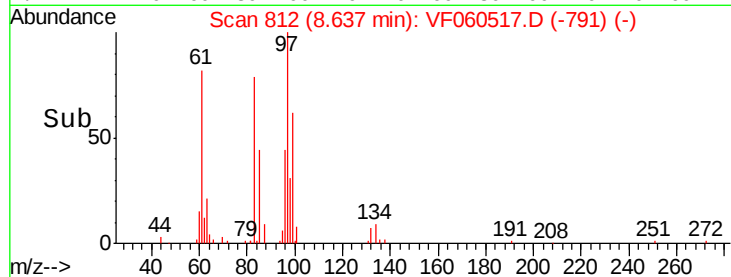
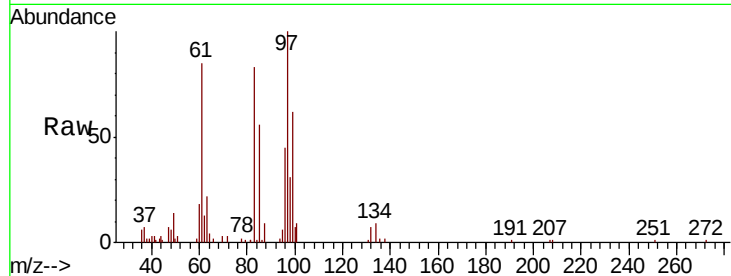
Ion Ratio Lower Upper

97 100

83 83.3 65.0 97.4

85 56.2 47.0 70.6

99 61.8 46.2 69.4

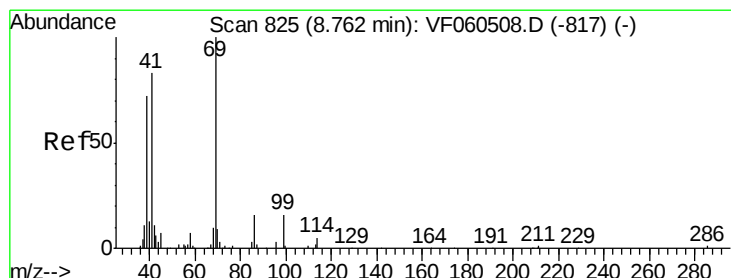
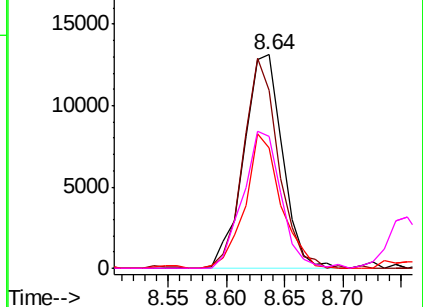


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 22.388 ug/l

RT: 8.76 min Scan# 824

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

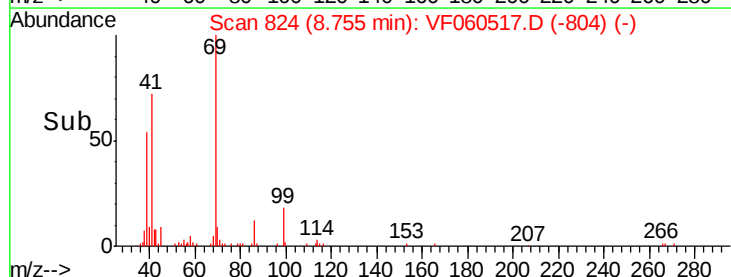
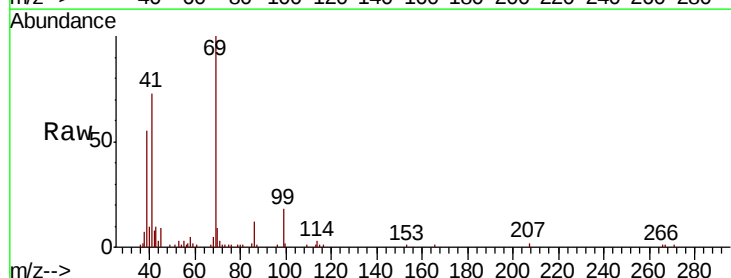
Tgt Ion: 69 Resp: 37325

Ion Ratio Lower Upper

69 100

41 72.7 67.2 100.8

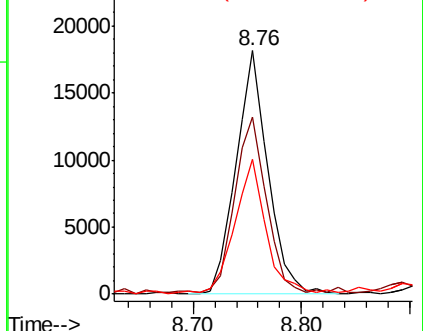
39 55.2 58.4 87.6#

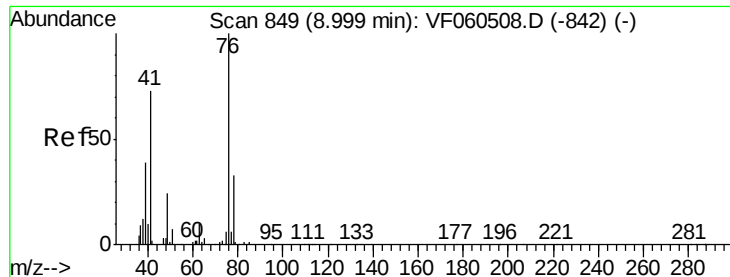


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.242 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

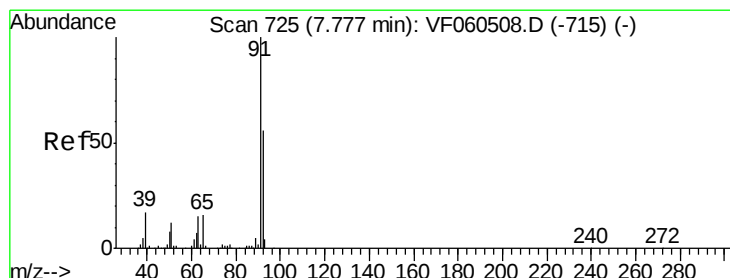
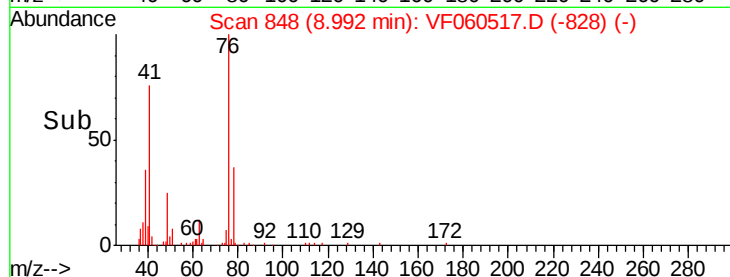
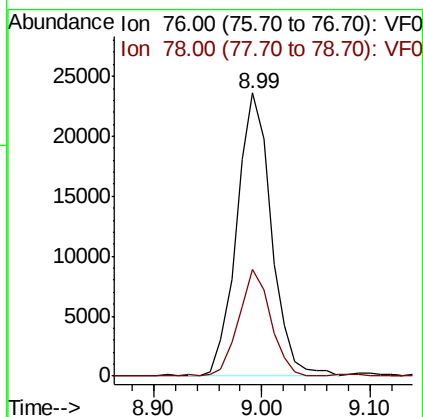
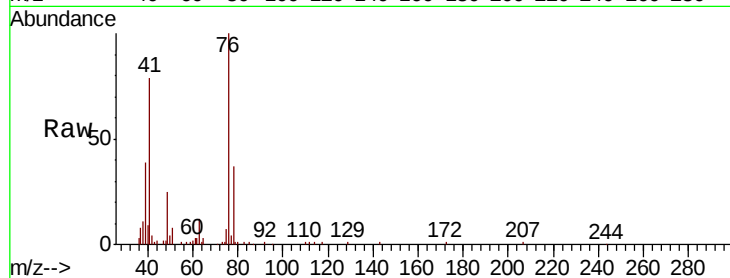
VF1026SBS01

Tot Ion: 76 Resp: 52671

Ion Ratio Lower Upper

76 100

78 37.5 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 102.392 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060517.D

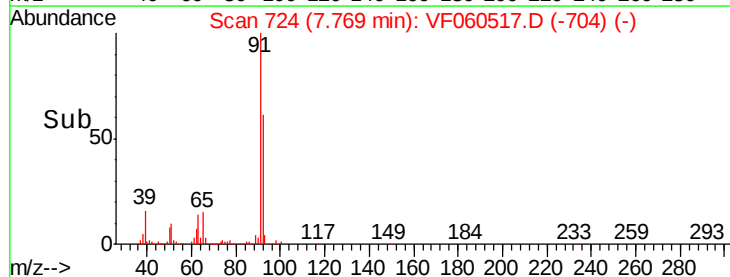
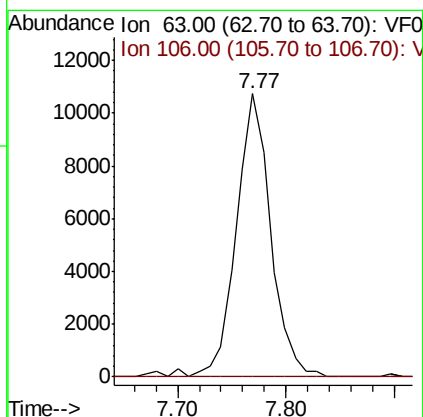
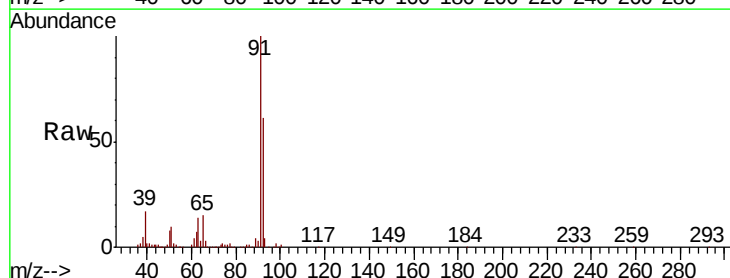
Acq: 26 Oct 2018 15:35

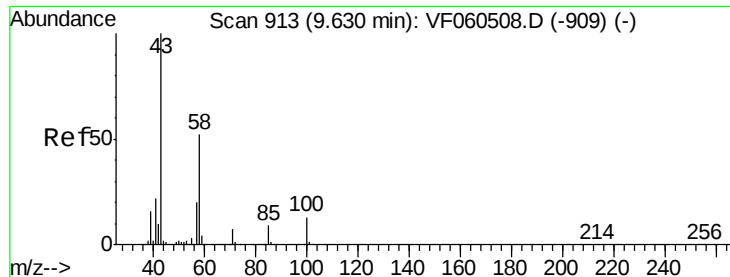
Tgt Ion: 63 Resp: 23605

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

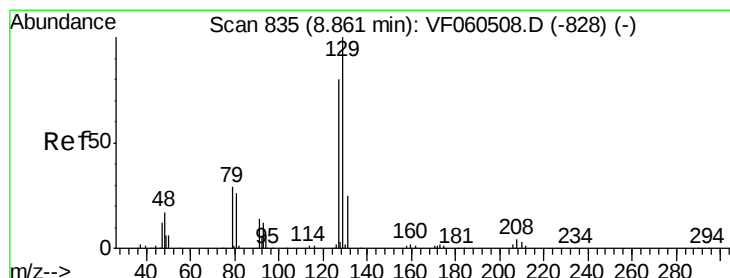
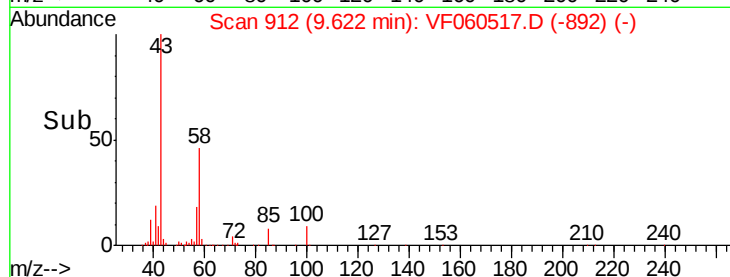
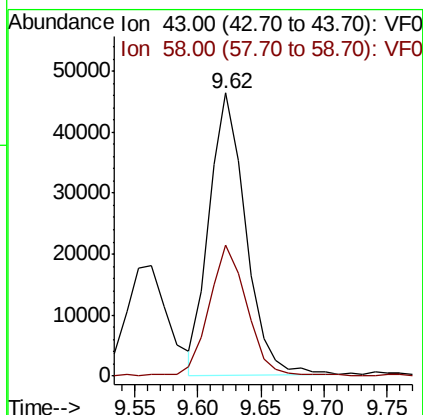
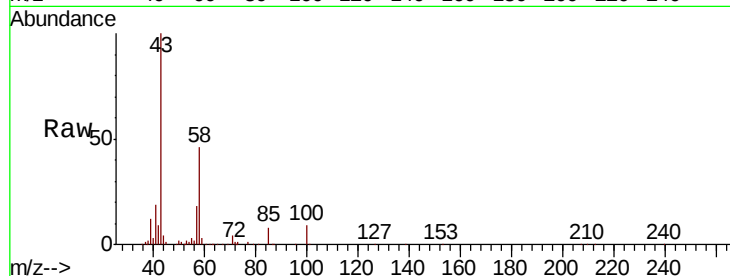




#59
2-Hexanone
Concen: 102.298 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

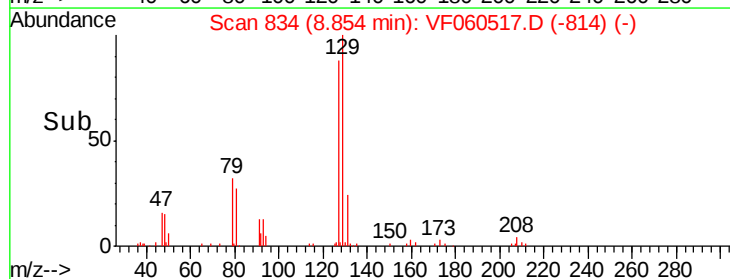
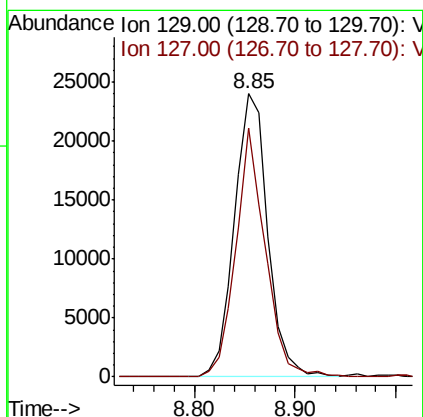
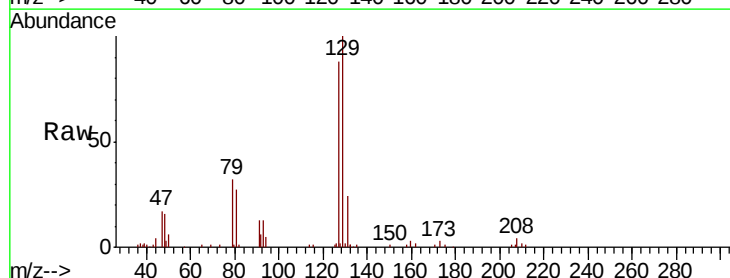
Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

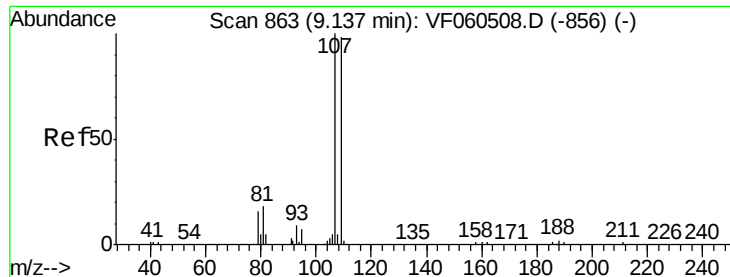
Tot Ion: 43 Resp: 92470
Ion Ratio Lower Upper
43 100
58 46.3 23.5 70.5



#60
Dibromochloromethane
Concen: 18.635 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion: 129 Resp: 55316
Ion Ratio Lower Upper
129 100
127 87.9 40.2 120.5





#61

1,2-Dibromoethane

Concen: 18.689 ug/l

RT: 9.13 min Scan# 862

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

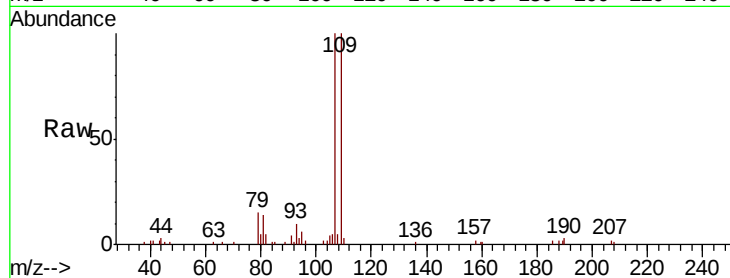
VF1026SBS01

Tot Ion:107 Resp: 34731

Ion Ratio Lower Upper

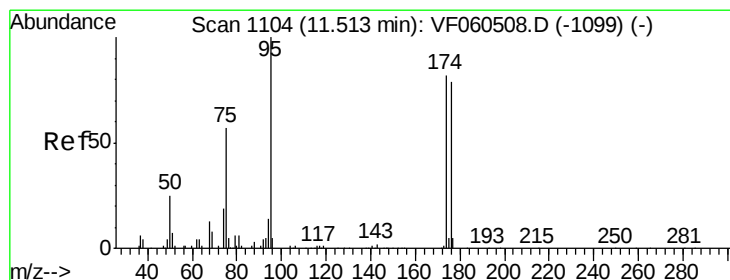
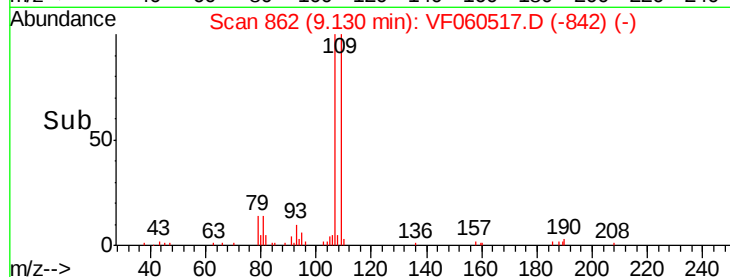
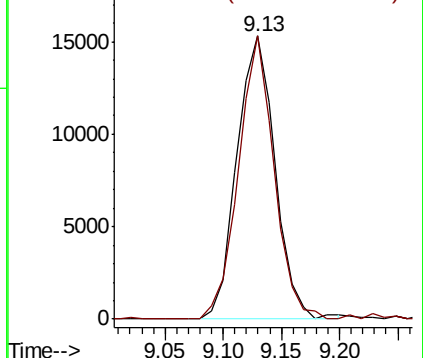
107 100

109 100.0 78.6 118.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.331 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

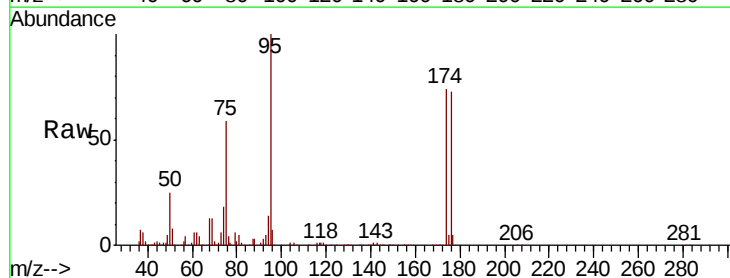
Tgt Ion: 95 Resp: 179017

Ion Ratio Lower Upper

95 100

174 73.9 0.0 164.2

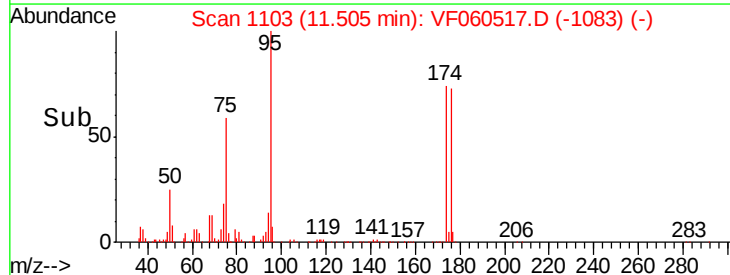
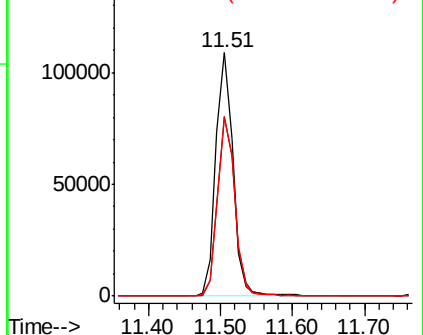
176 73.4 0.0 158.4

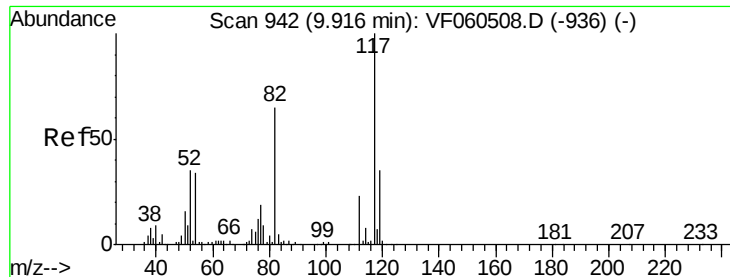


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

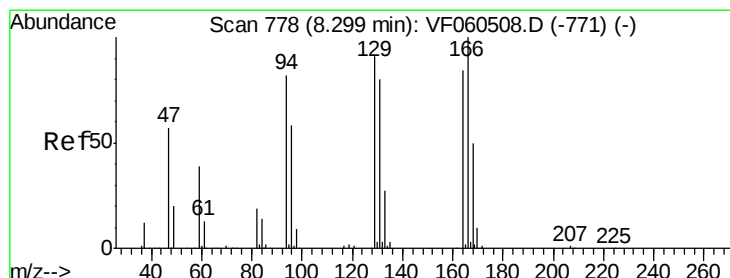
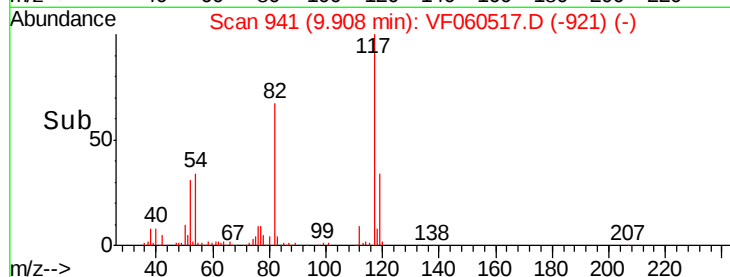
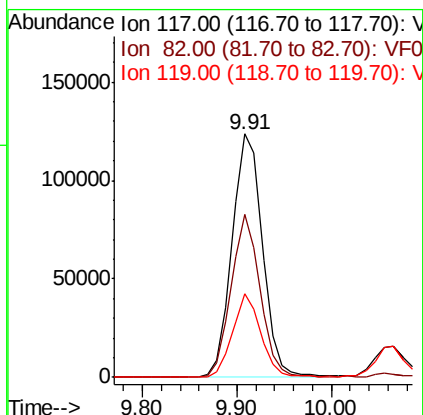
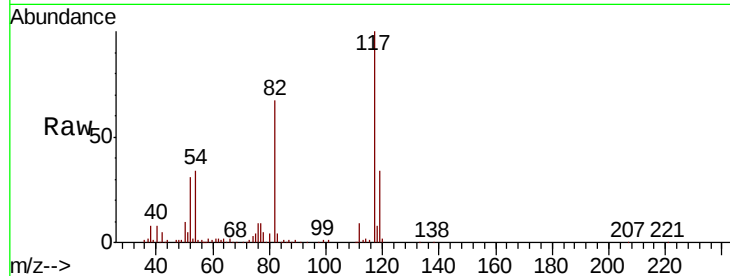




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

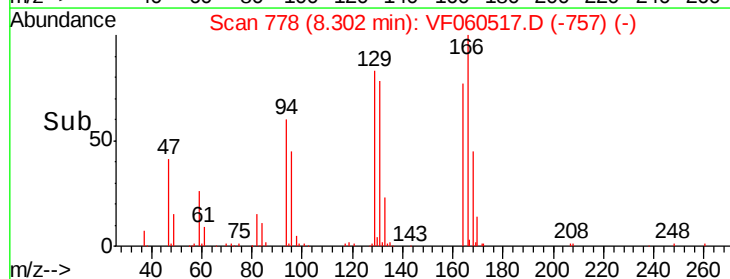
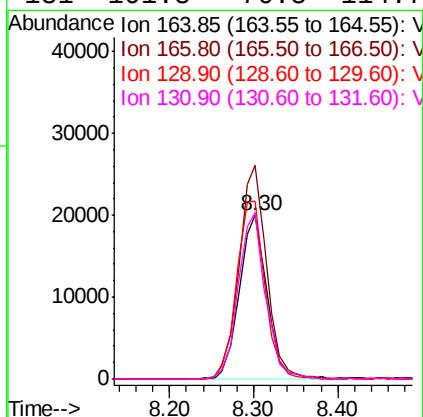
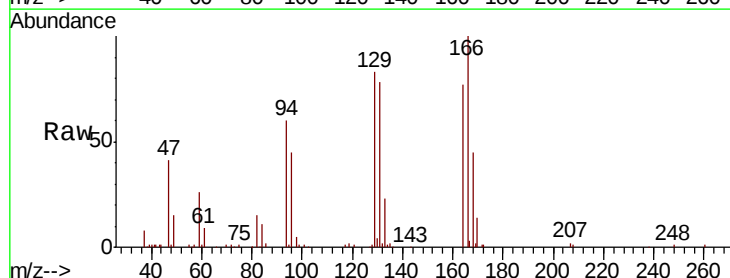
Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

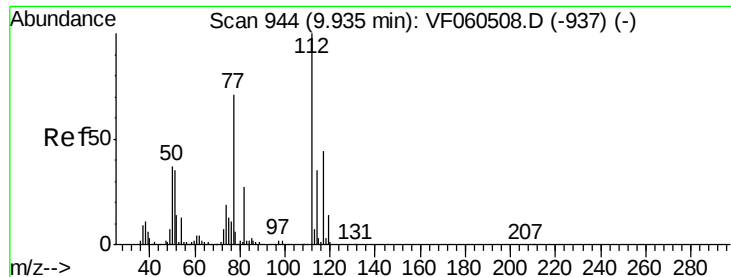
Tot Ion:117 Resp: 276114
Ion Ratio Lower Upper
117 100
82 66.8 51.7 77.5
119 34.3 28.3 42.5



#64
Tetrachloroethene
Concen: 19.505 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion:164 Resp: 45401
Ion Ratio Lower Upper
164 100
166 130.6 95.1 142.7
129 108.5 86.3 129.5
131 101.8 76.5 114.7





#65

Chlorobenzene

Concen: 20.916 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

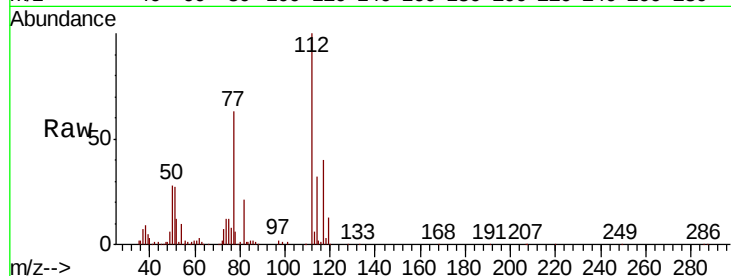
VF1026SBS01

Tot Ion:112 Resp: 121413

Ion Ratio Lower Upper

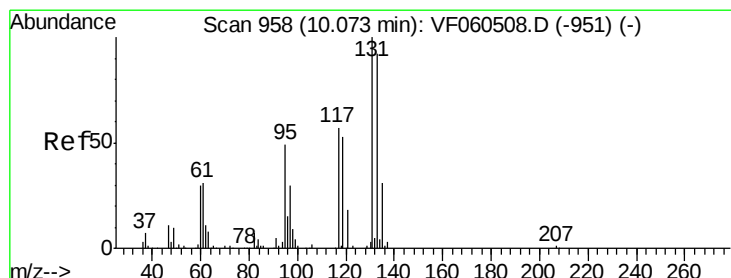
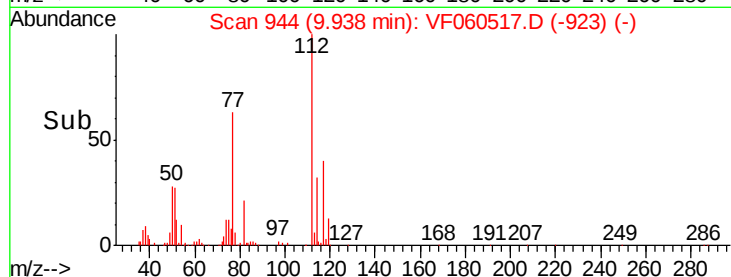
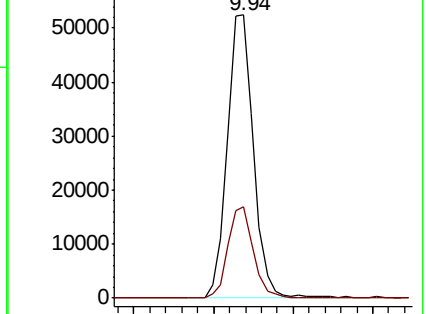
112 100

114 32.5 27.7 41.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.108 ug/l

RT: 10.07 min Scan# 957

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

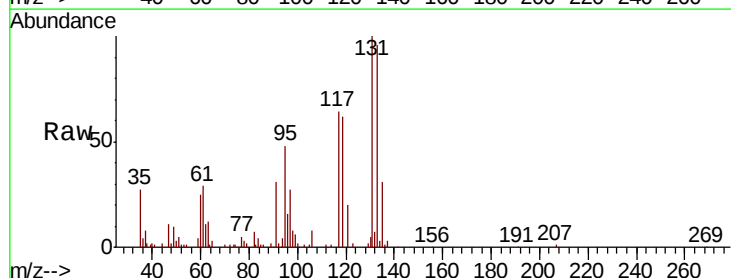
Tgt Ion:131 Resp: 57417

Ion Ratio Lower Upper

131 100

133 96.3 46.1 138.2

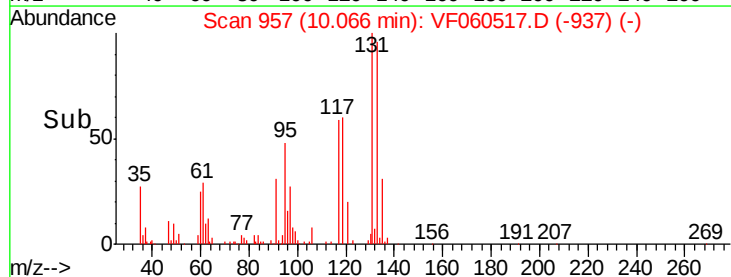
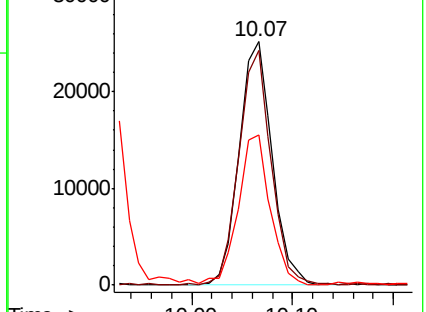
119 61.6 27.0 80.8

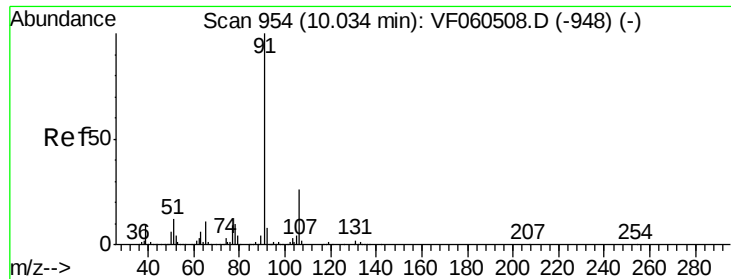


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.315 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

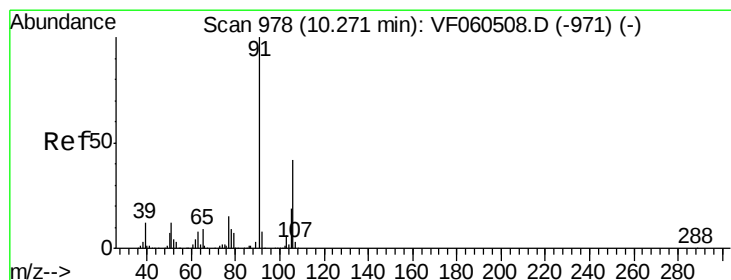
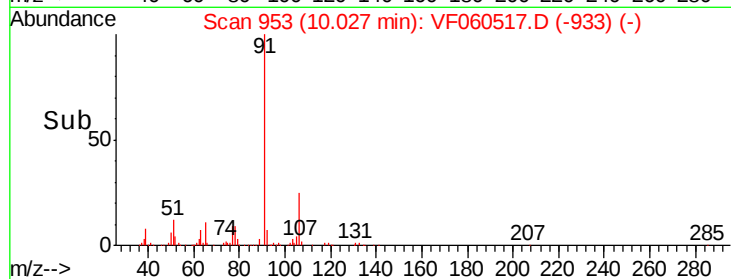
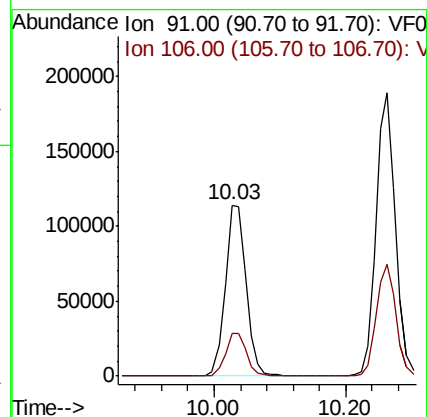
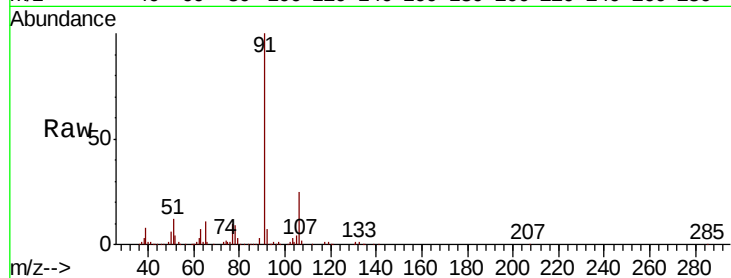
VF1026SBS01

Tot Ion: 91 Resp: 252664

Ion Ratio Lower Upper

91 100

106 24.9 20.7 31.1



#68

m/p-Xylenes

Concen: 42.056 ug/l

RT: 10.26 min Scan# 977

Delta R.T. -0.01 min

Lab File: VF060517.D

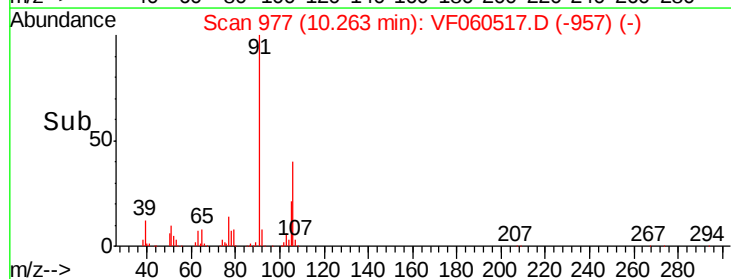
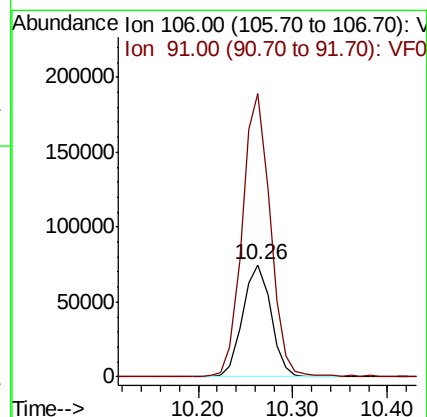
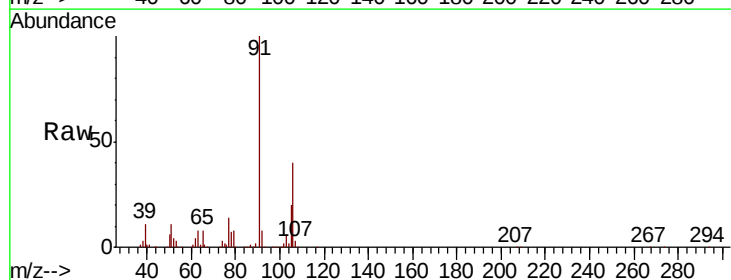
Acq: 26 Oct 2018 15:35

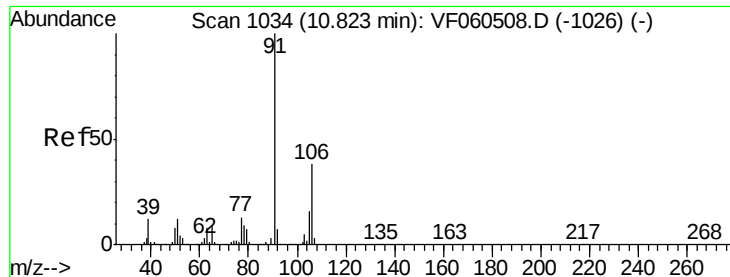
Tgt Ion: 106 Resp: 156507

Ion Ratio Lower Upper

106 100

91 251.7 192.5 288.7

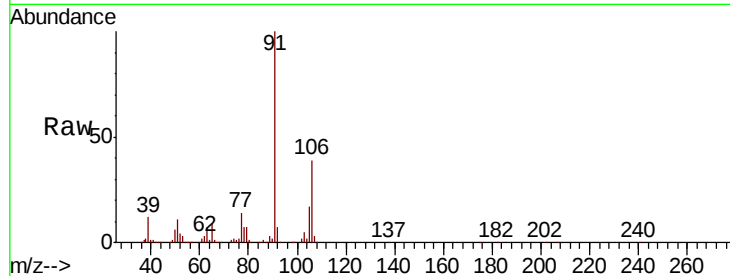




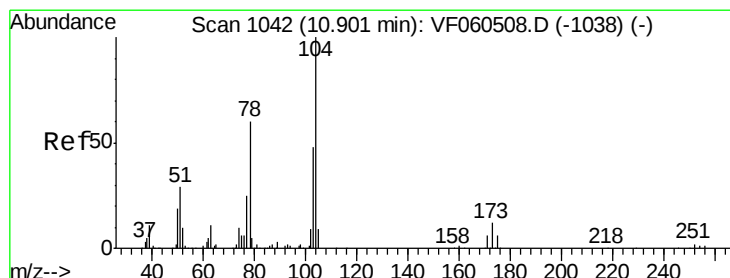
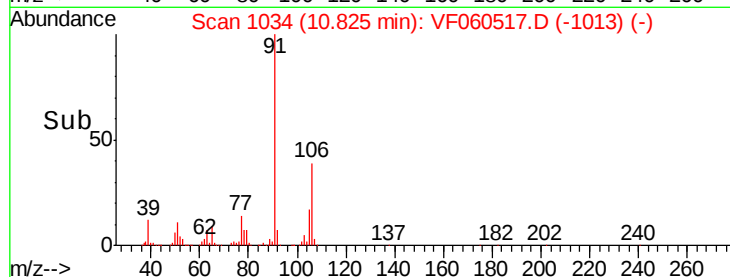
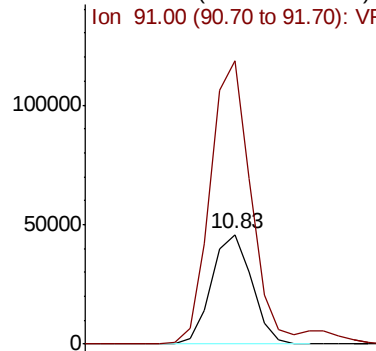
#69
o-Xylene
Concen: 20.363 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion:106 Resp: 85006
Ion Ratio Lower Upper
106 100
91 257.4 130.9 392.7

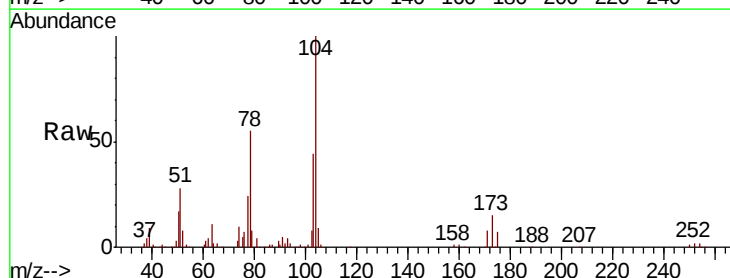


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

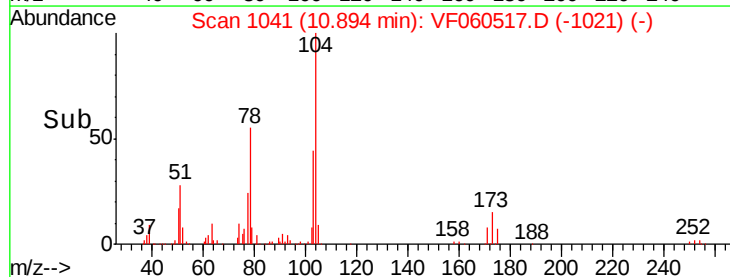
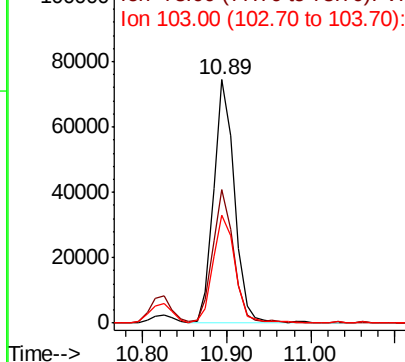


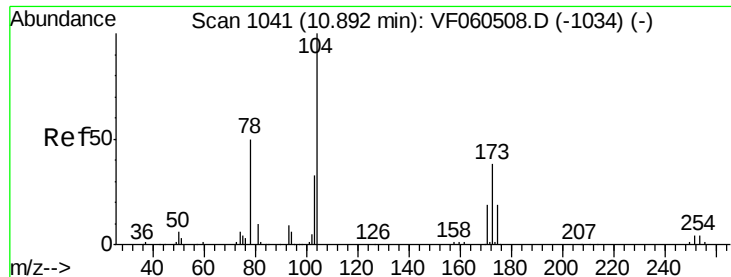
#70
Styrene
Concen: 22.048 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion:104 Resp: 128495
Ion Ratio Lower Upper
104 100
78 54.8 48.7 73.1
103 44.2 38.8 58.2



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





#71

Bromoform

Concen: 19.098 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

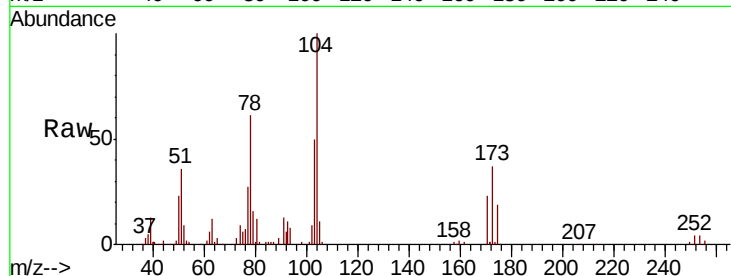
Tot Ion:173 Resp: 30535

Ion Ratio Lower Upper

173 100

175 52.5 25.5 76.5

254 0.0 0.0 0.0

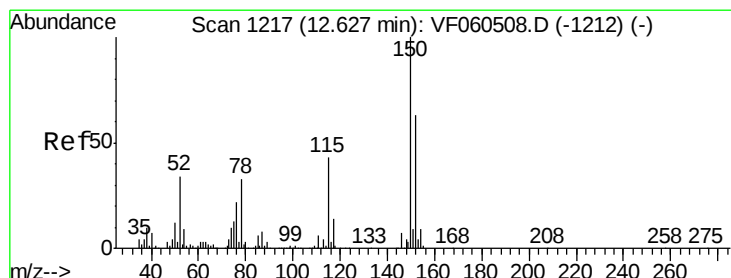
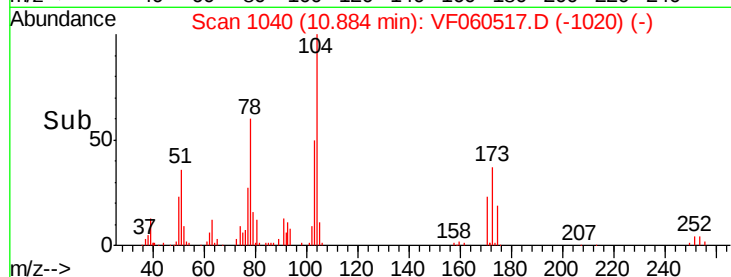
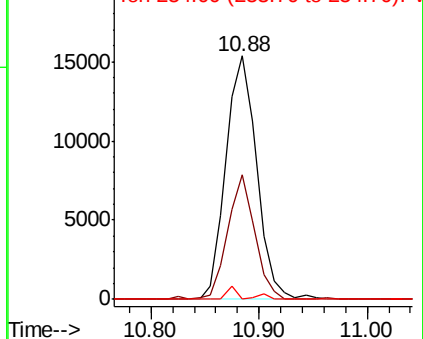


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

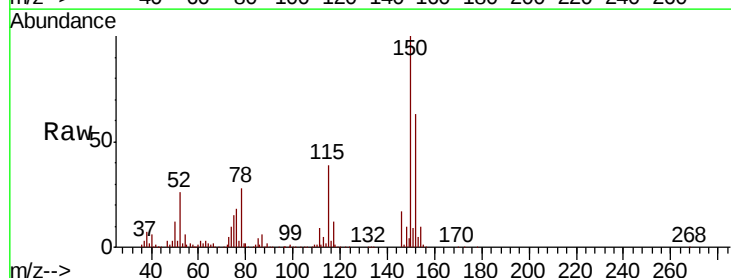
Tgt Ion:152 Resp: 172468

Ion Ratio Lower Upper

152 100

115 61.3 34.6 103.9

150 157.9 0.0 319.8

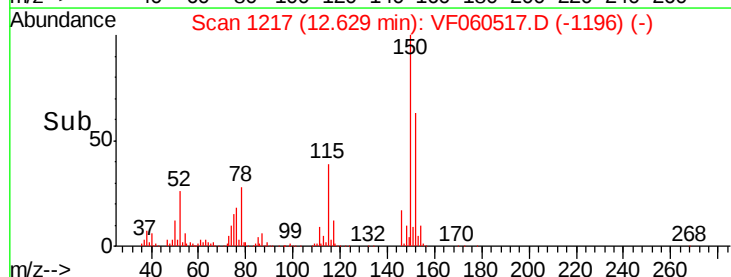
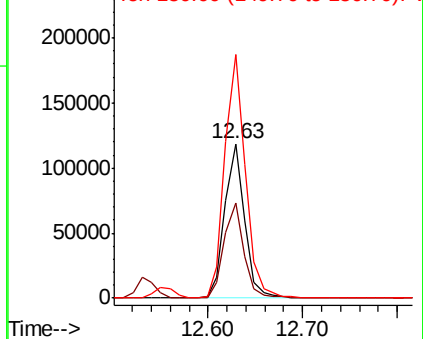


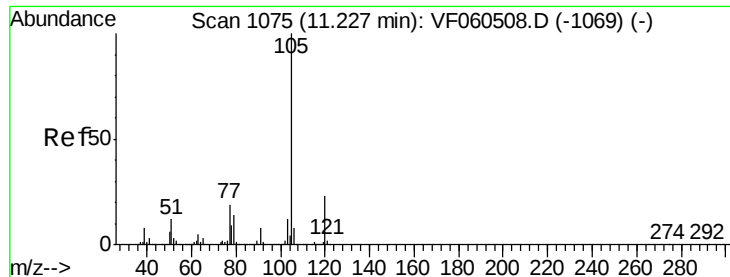
Abundance

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: 21.190 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

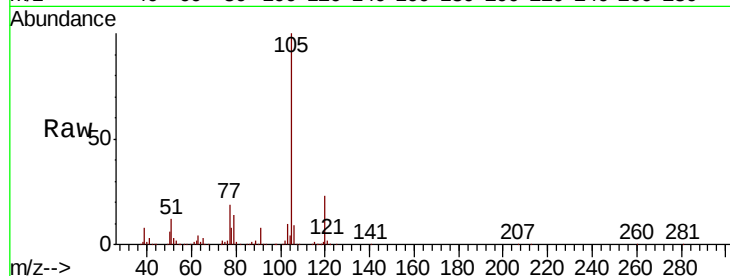
VF1026SBS01

Tot Ion:105 Resp: 290323

Ion Ratio Lower Upper

105 100

120 22.6 11.6 34.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

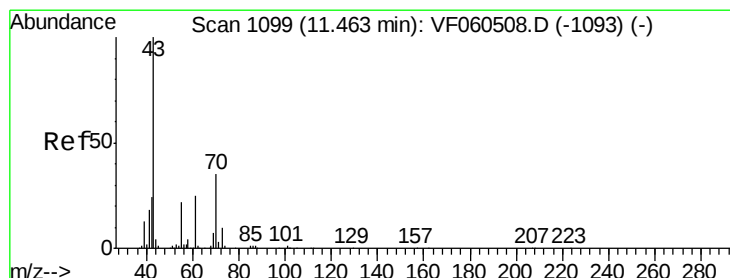
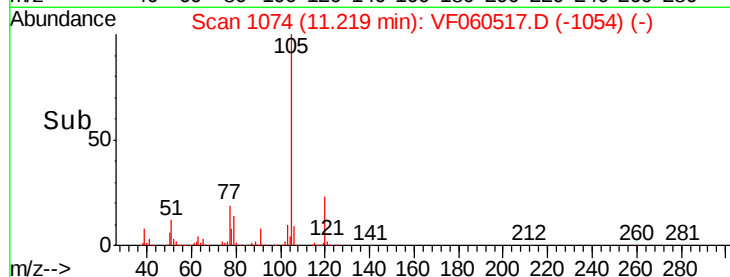
150000

100000

50000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 19.759 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Tgt Ion: 43 Resp: 48074

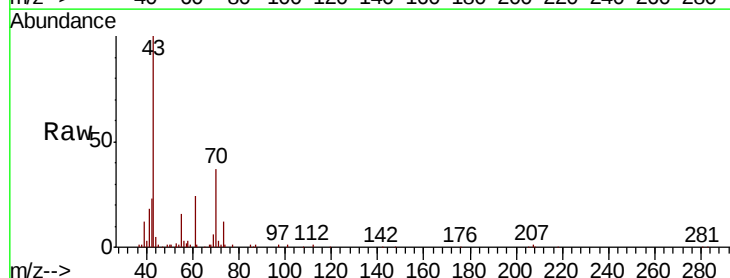
Ion Ratio Lower Upper

43 100

70 37.0 28.2 42.2

55 15.7 17.9 26.9#

61 23.8 19.9 29.9



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

11.46

40000

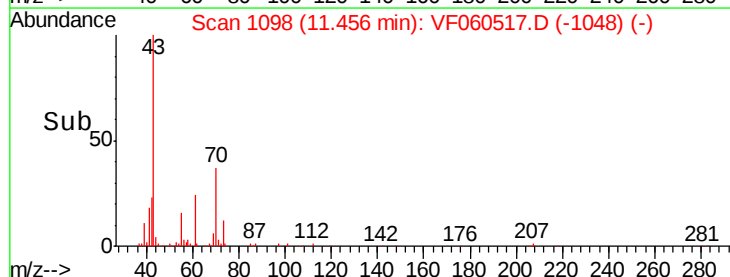
30000

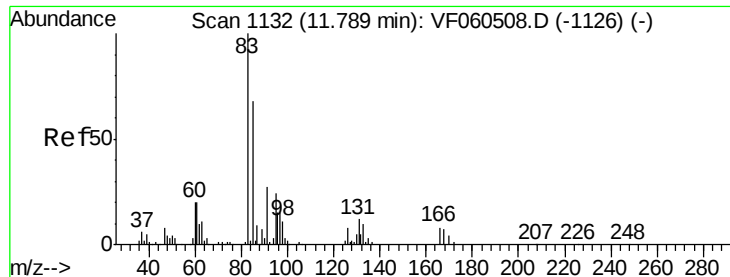
20000

10000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 23.429 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

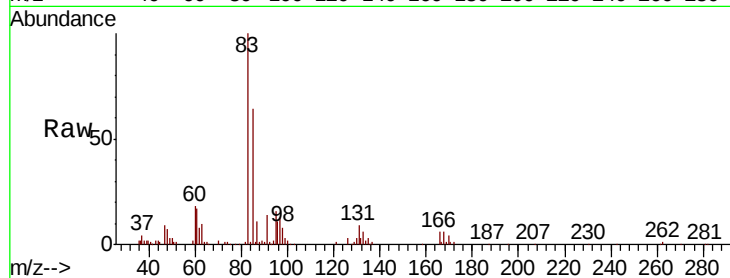
Tot Ion: 83 Resp: 46252

Ion Ratio Lower Upper

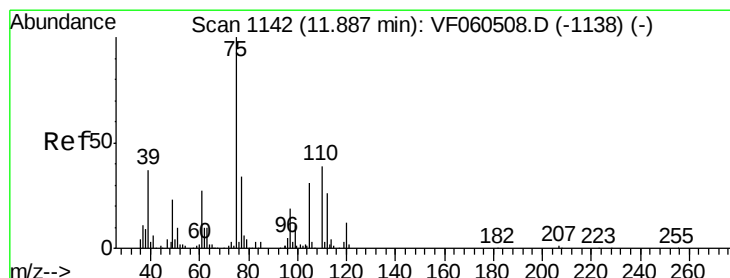
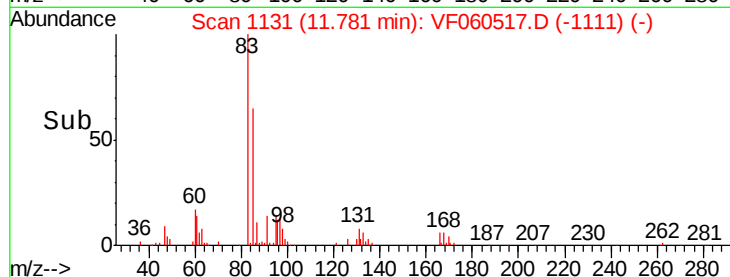
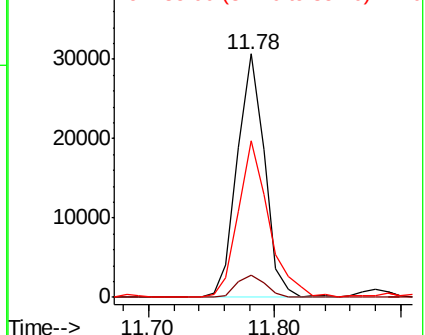
83 100

131 9.0 5.8 17.4

85 64.5 34.2 102.6



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.750 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060517.D

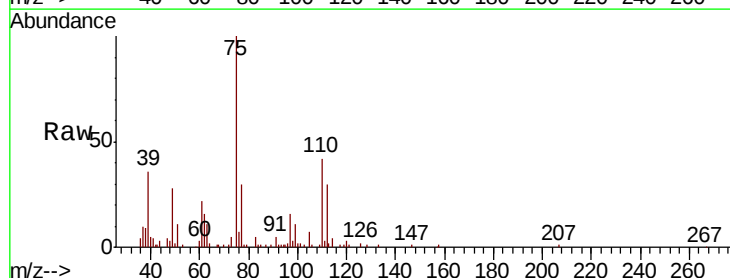
Acq: 26 Oct 2018 15:35

Tgt Ion: 75 Resp: 35765

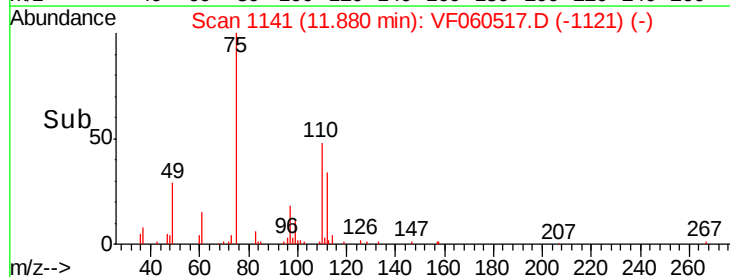
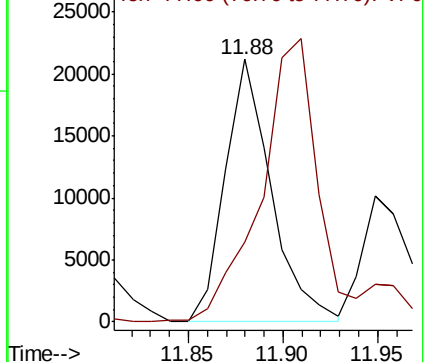
Ion Ratio Lower Upper

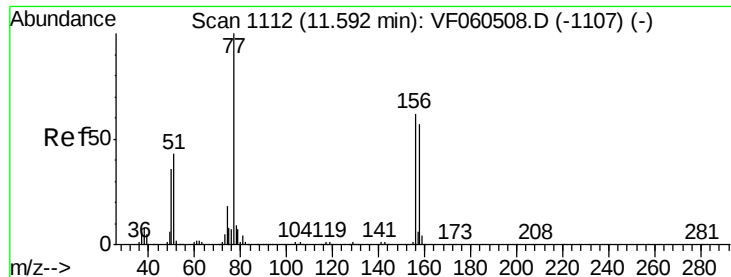
75 100

77 30.5 17.2 51.5



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.501 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

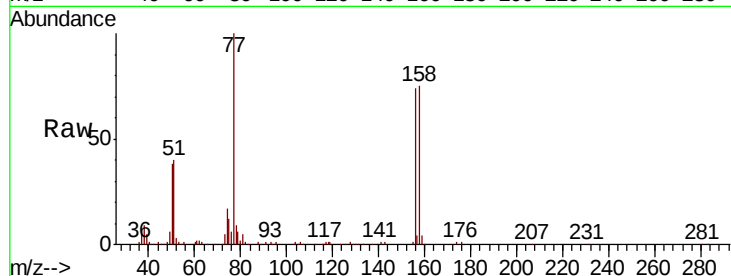
Tot Ion:156 Resp: 61416

Ion Ratio Lower Upper

156 100

77 134.5 80.1 240.3

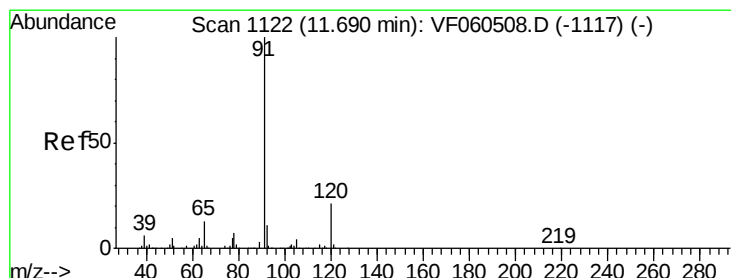
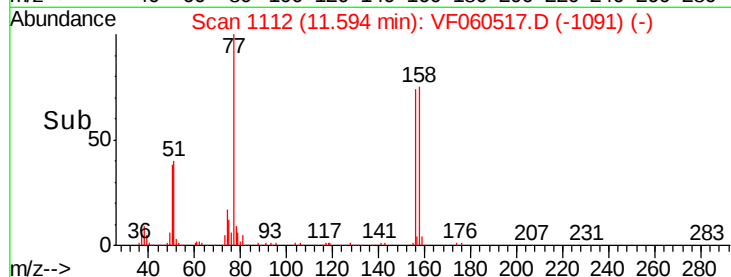
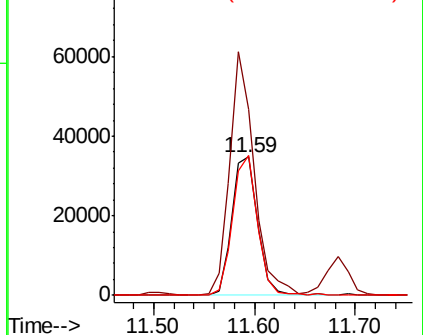
158 101.1 45.9 137.6



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: 21.783 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF060517.D

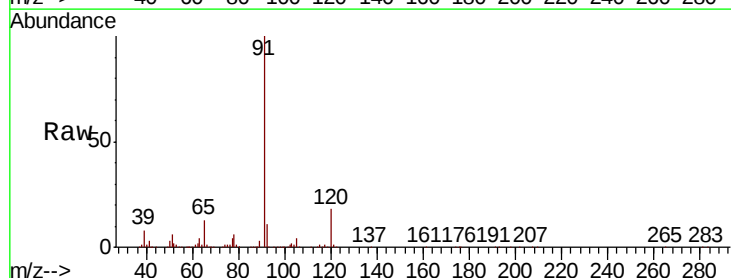
Acq: 26 Oct 2018 15:35

Tgt Ion: 91 Resp: 348902

Ion Ratio Lower Upper

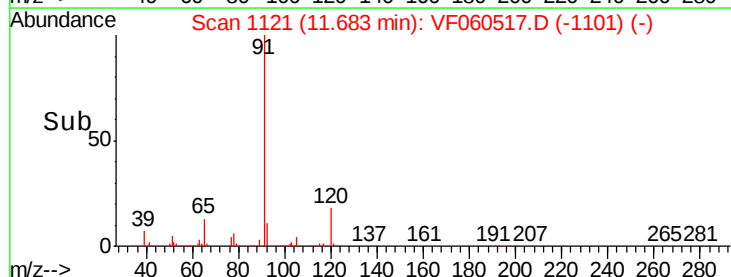
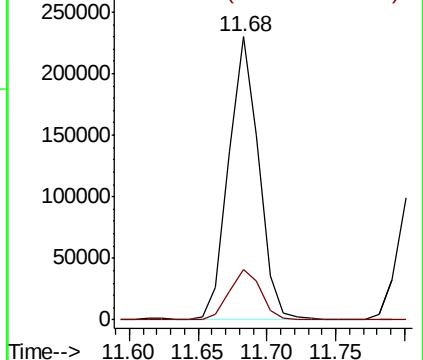
91 100

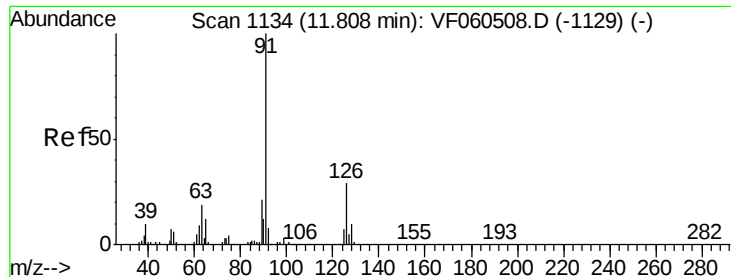
120 17.9 10.3 30.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

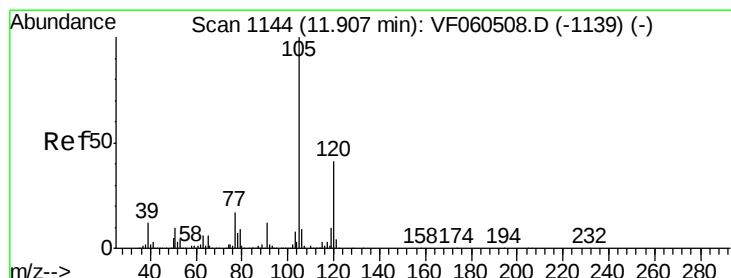
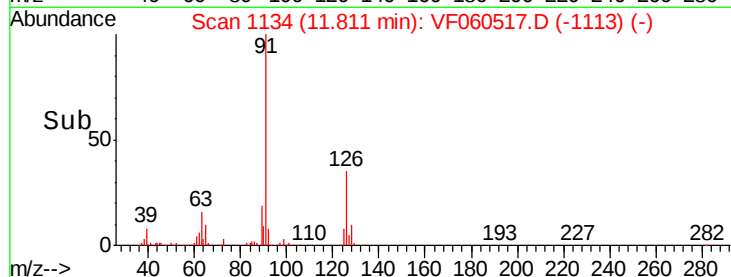
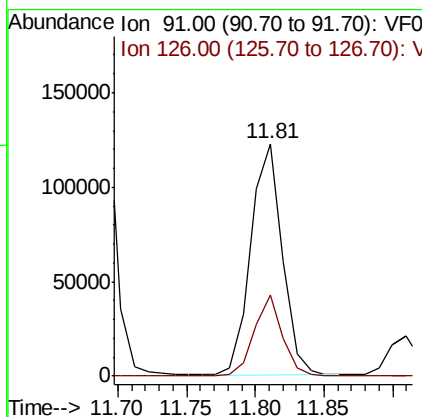
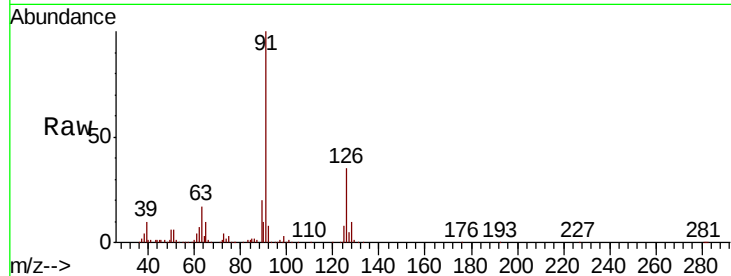




#79
 2-Chlorotoluene
 Concen: 20.194 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

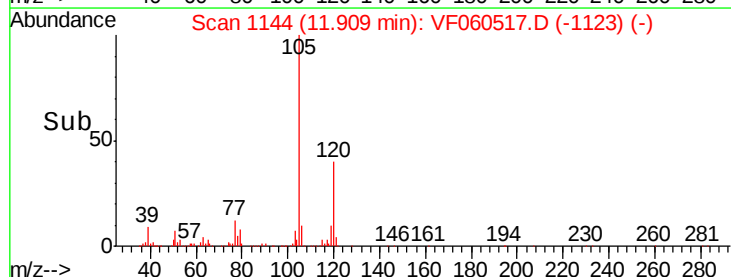
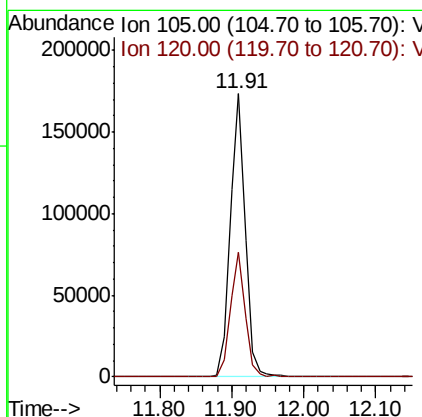
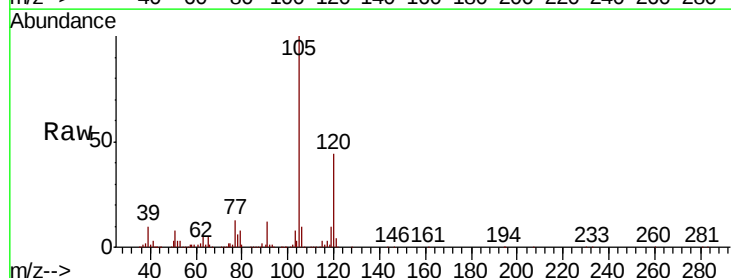
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

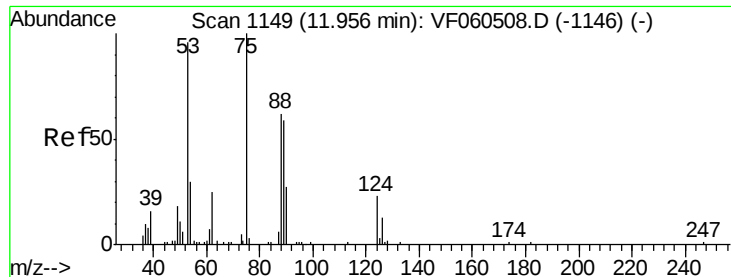
Tot Ion: 91 Resp: 196013
 Ion Ratio Lower Upper
 91 100
 126 34.7 14.4 43.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.800 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion: 105 Resp: 250270
 Ion Ratio Lower Upper
 105 100
 120 44.0 20.6 61.9





#81

trans-1,4-Dichloro-2-butene

Concen: 32.593 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

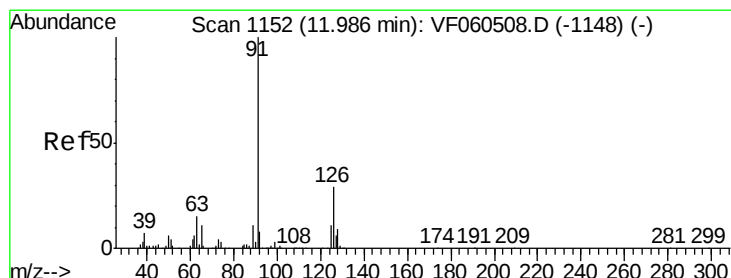
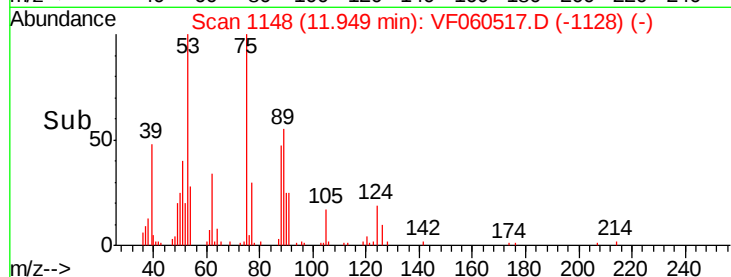
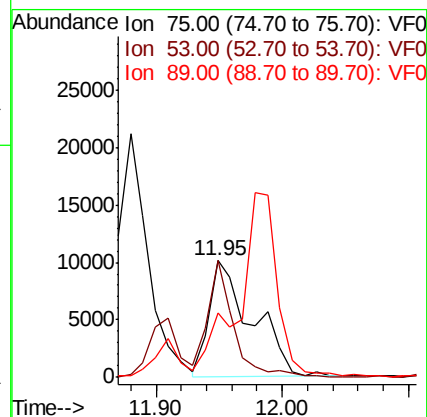
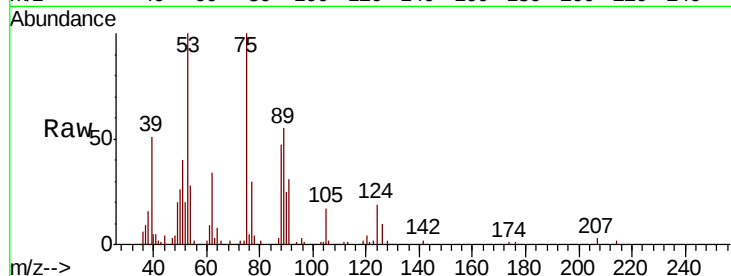
Tot Ion: 75 Resp: 23630

Ion Ratio Lower Upper

75 100

53 99.7 85.0 127.6

89 55.3 50.2 75.4



#82

4-Chlorotoluene

Concen: 21.731 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060517.D

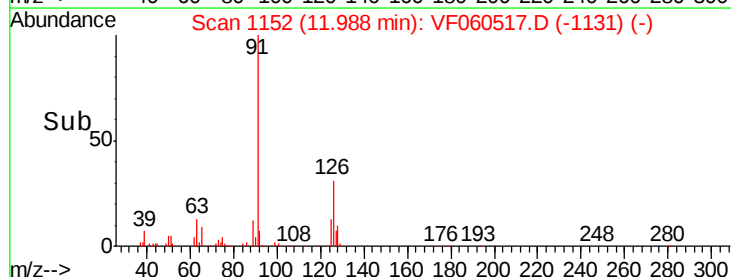
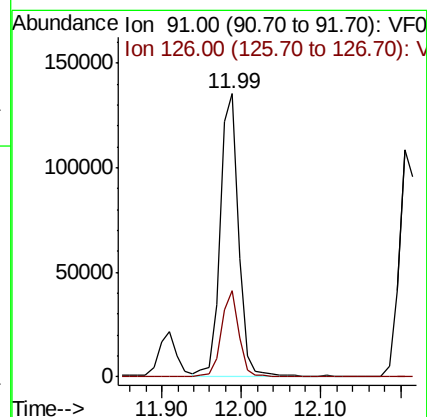
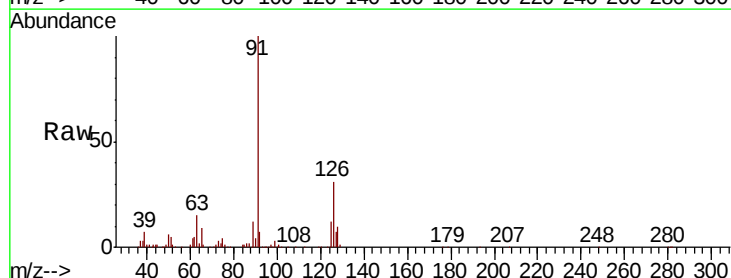
Acq: 26 Oct 2018 15:35

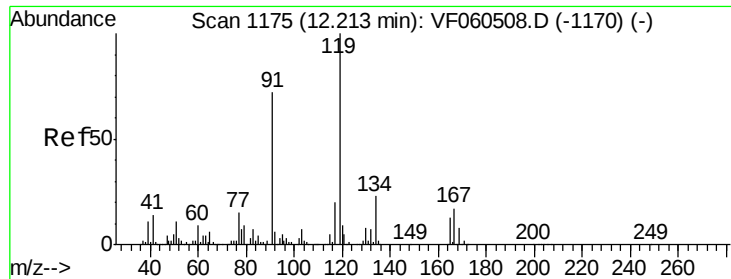
Tgt Ion: 91 Resp: 222871

Ion Ratio Lower Upper

91 100

126 30.5 14.8 44.4





#83

tert-Butylbenzene

Concen: 20.892 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

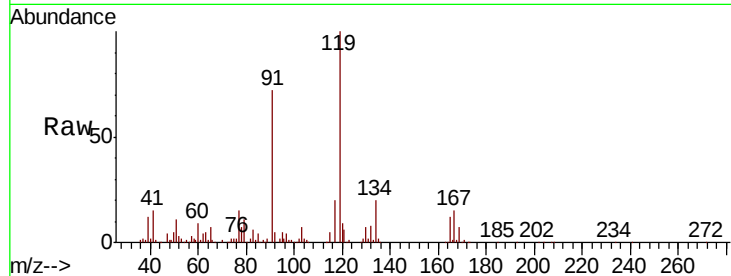
Tot Ion:119 Resp: 253922

Ion Ratio Lower Upper

119 100

91 71.8 36.3 108.9

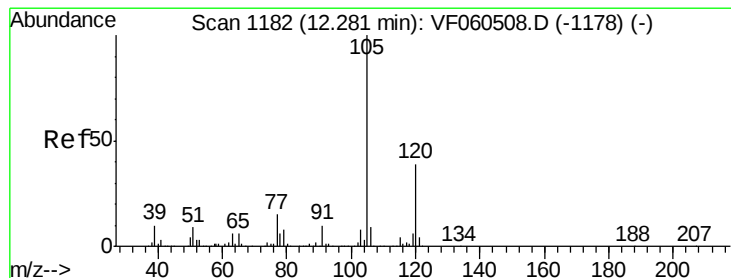
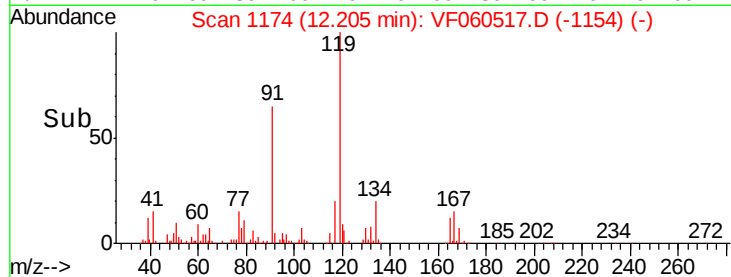
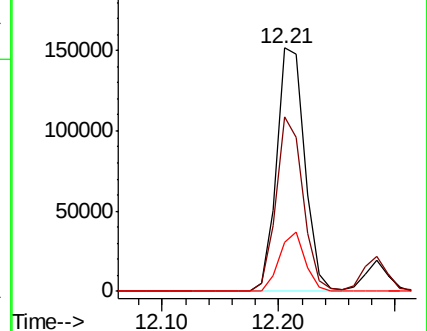
134 20.3 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.669 ug/l

RT: 12.28 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VF060517.D

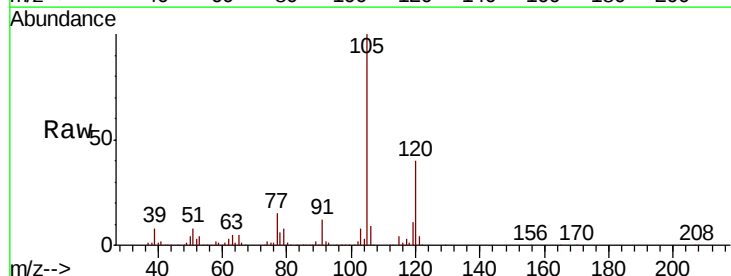
Acq: 26 Oct 2018 15:35

Tgt Ion:105 Resp: 246520

Ion Ratio Lower Upper

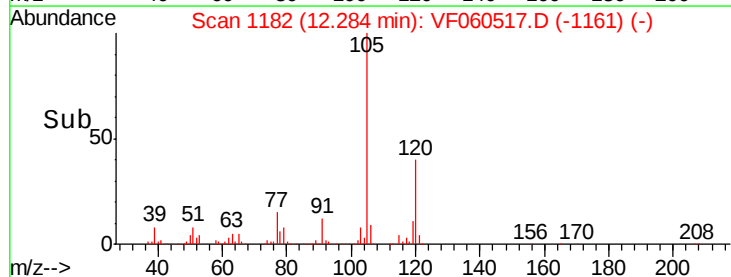
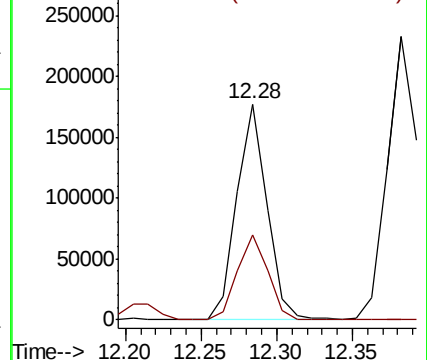
105 100

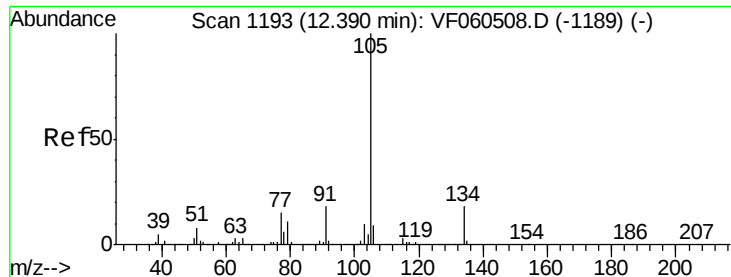
120 39.7 19.4 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

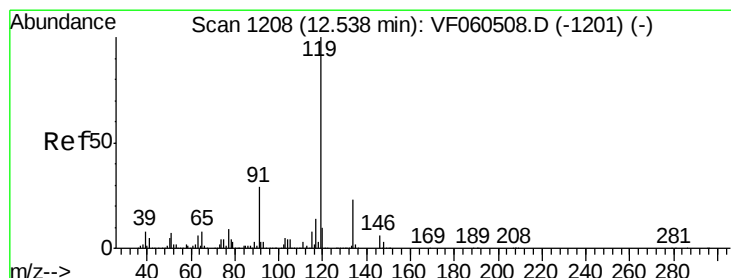
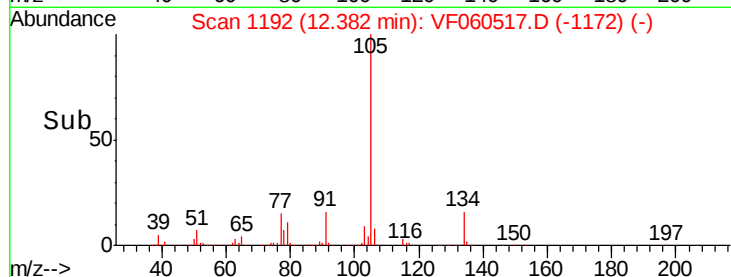
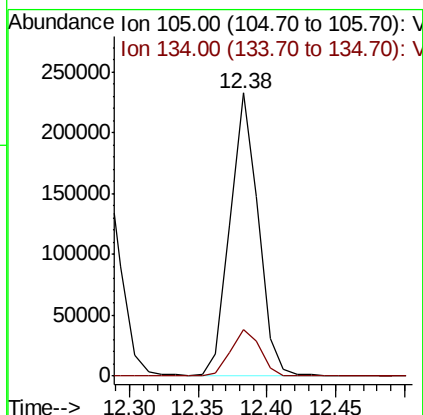
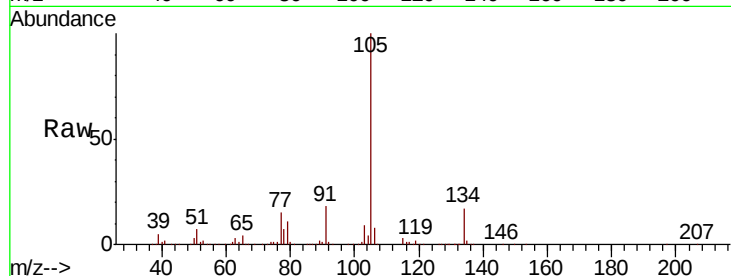




#85
 sec-Butylbenzene
 Concen: 20.362 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

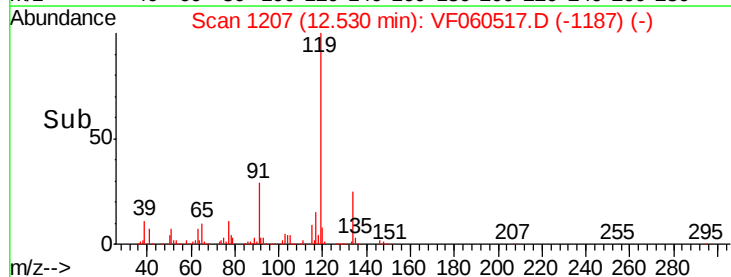
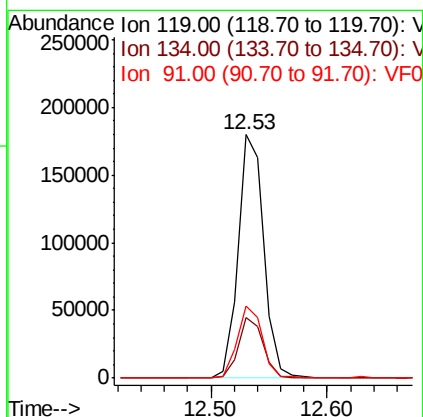
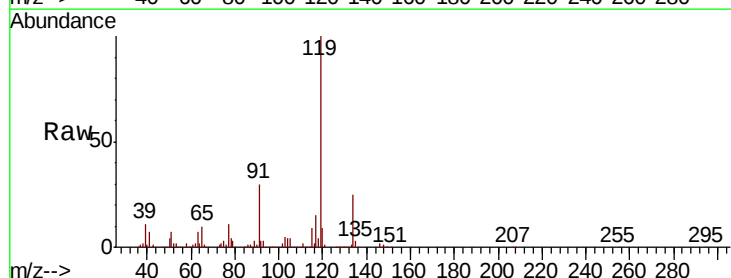
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

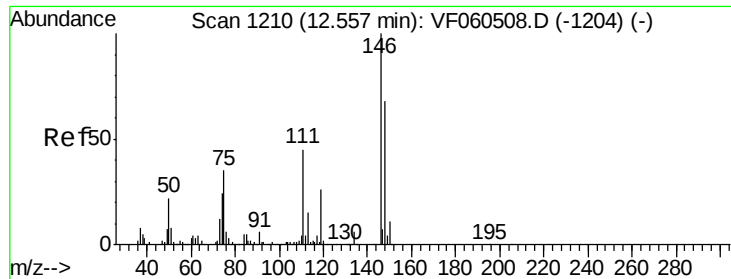
Tot Ion:105 Resp: 332125
 Ion Ratio Lower Upper
 105 100
 134 16.5 9.2 27.4



#86
 p-Isopropyltoluene
 Concen: 19.711 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion:119 Resp: 273146
 Ion Ratio Lower Upper
 119 100
 134 24.7 11.7 35.0
 91 29.5 14.4 43.4





#87

1,3-Dichlorobenzene

Concen: 20.556 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

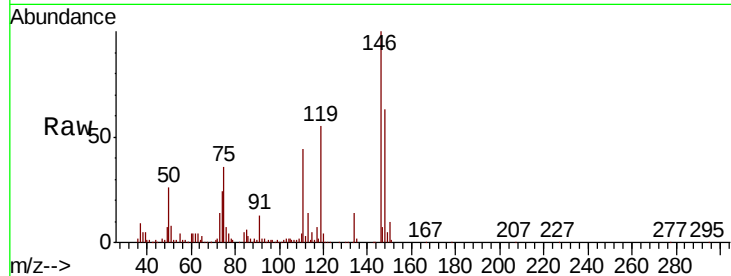
Tot Ion:146 Resp: 119344

Ion Ratio Lower Upper

146 100

111 43.9 22.3 66.8

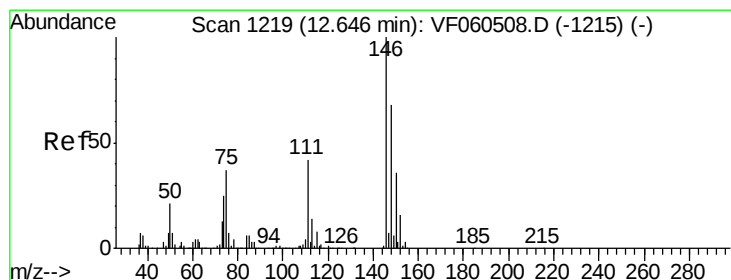
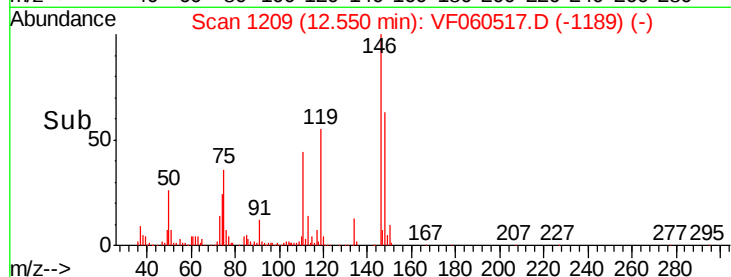
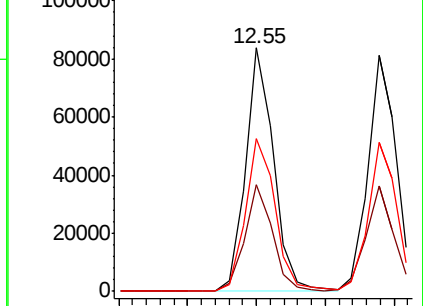
148 62.6 34.1 102.3



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: 21.244 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

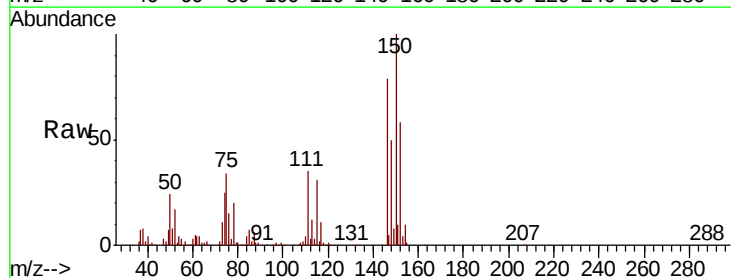
Tgt Ion:146 Resp: 119476

Ion Ratio Lower Upper

146 100

111 44.5 21.1 63.3

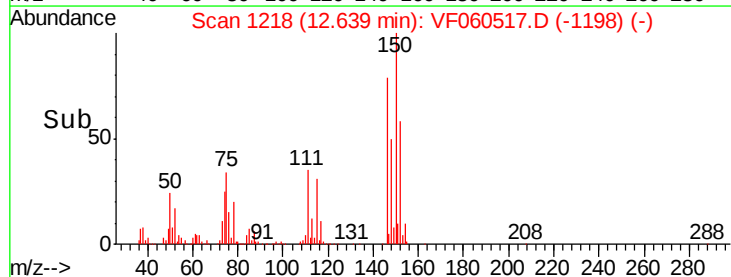
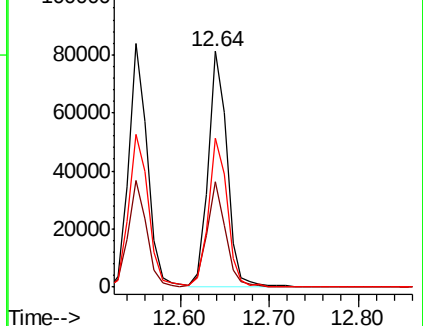
148 63.4 33.9 101.7

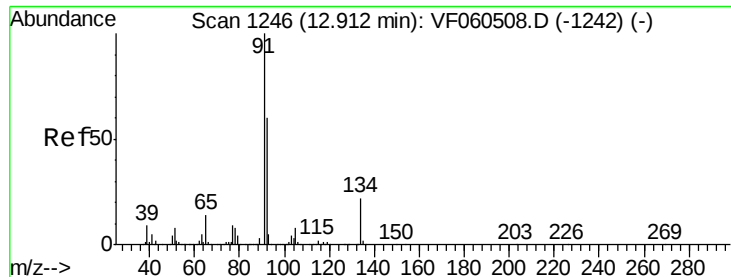


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 20.468 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

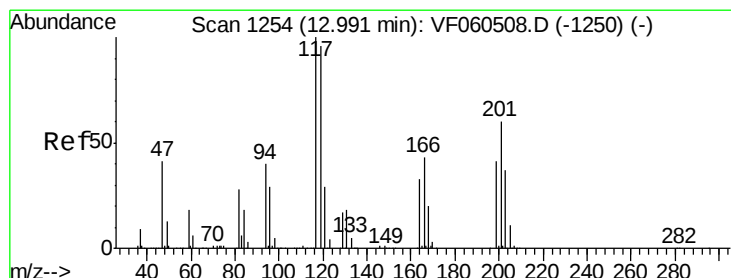
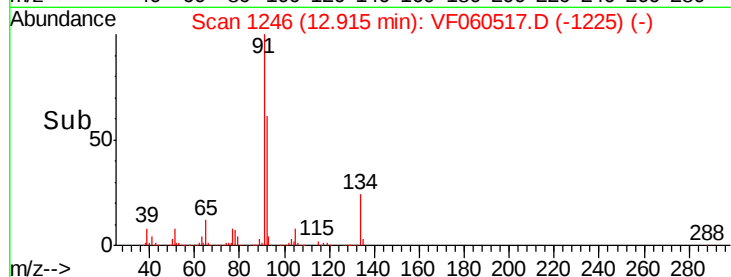
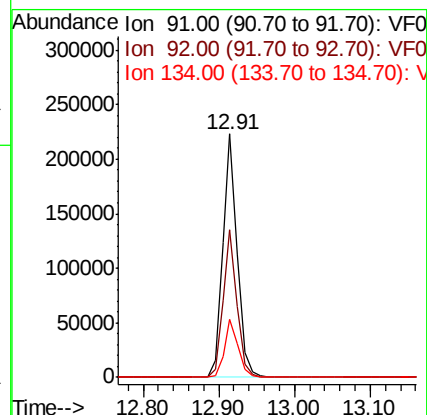
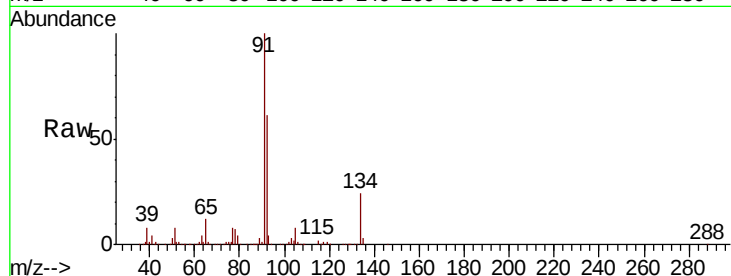
Tot Ion: 91 Resp: 301707

Ion Ratio Lower Upper

91 100

92 60.8 29.8 89.3

134 24.0 10.9 32.7



#90

Hexachloroethane

Concen: 20.364 ug/l

RT: 12.99 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF060517.D

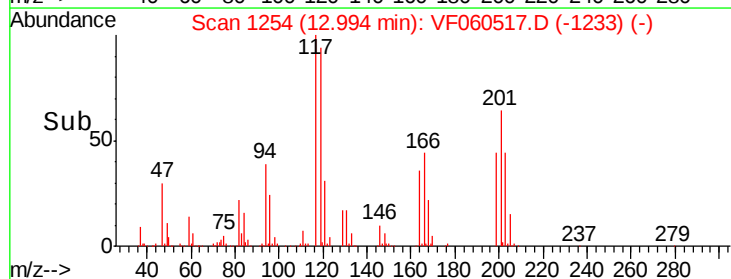
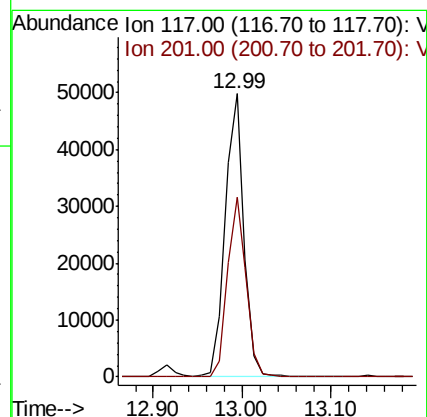
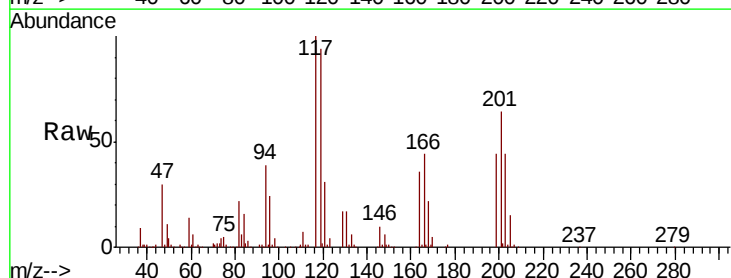
Acq: 26 Oct 2018 15:35

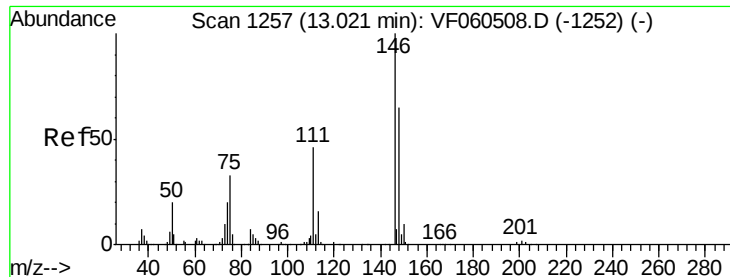
Tgt Ion: 117 Resp: 74048

Ion Ratio Lower Upper

117 100

201 65.4 30.1 90.5





#91

1,2-Dichlorobenzene

Concen: 20.857 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

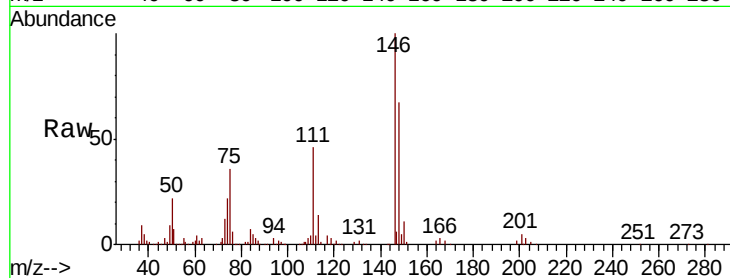
Tot Ion:146 Resp: 116138

Ion Ratio Lower Upper

146 100

111 46.2 22.8 68.4

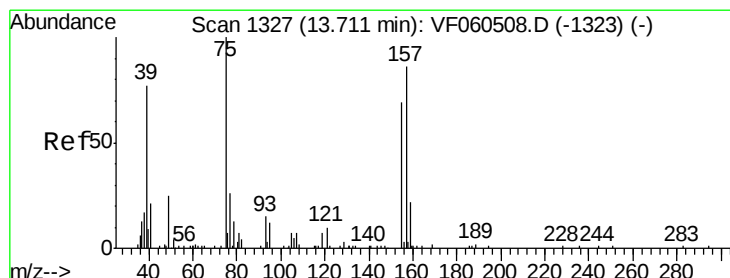
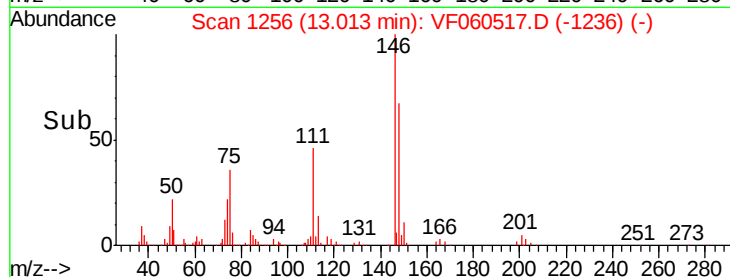
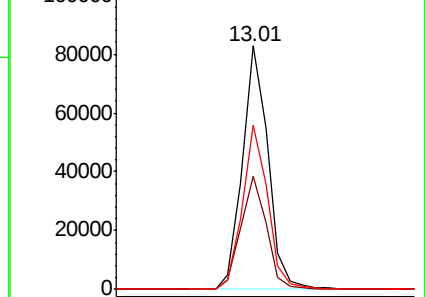
148 67.2 32.3 96.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.886 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

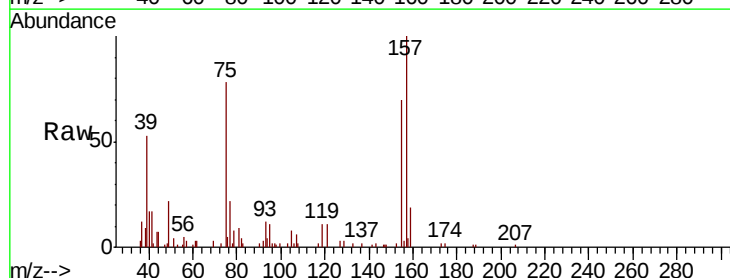
Tgt Ion: 75 Resp: 10511

Ion Ratio Lower Upper

75 100

155 94.0 34.7 104.1

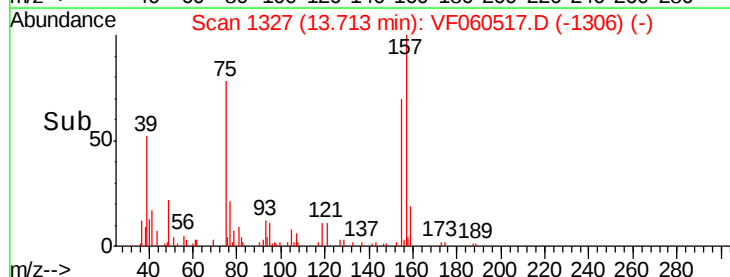
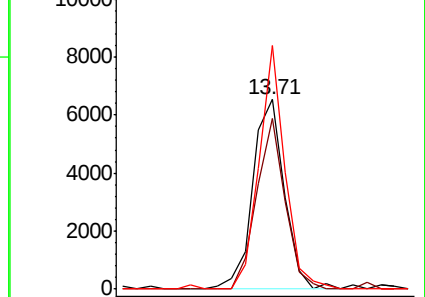
157 133.4 42.9 128.5#

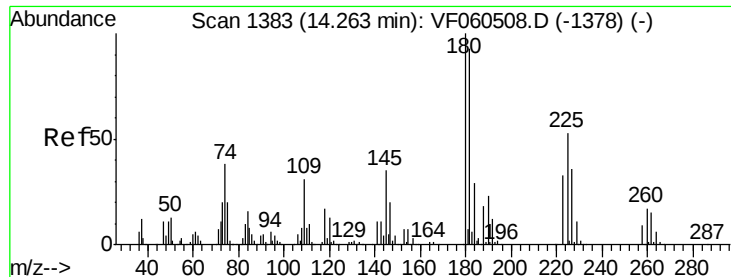


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

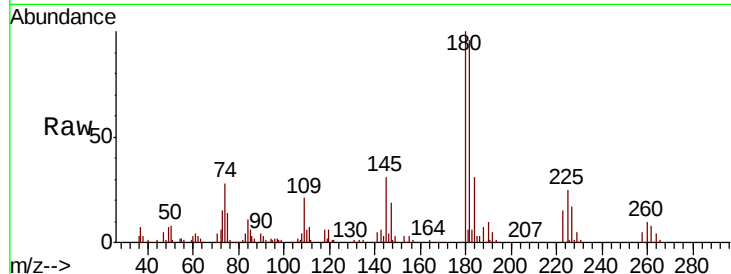




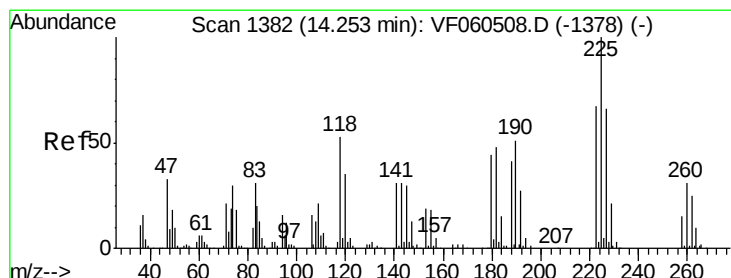
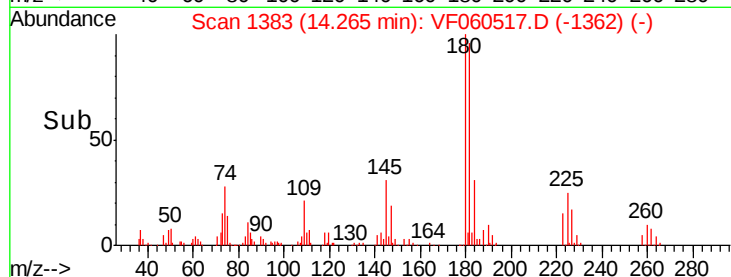
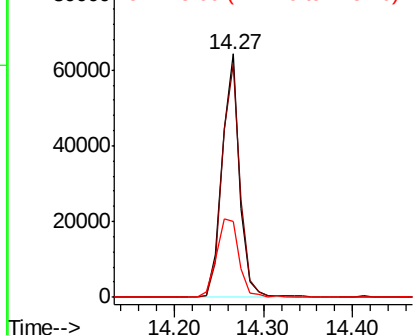
#93
 1,2,4-Trichlorobenzene
 Concen: 19.806 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Tot Ion:180 Resp: 89799
 Ion Ratio Lower Upper
 180 100
 182 95.7 46.7 140.0
 145 31.1 17.3 52.0

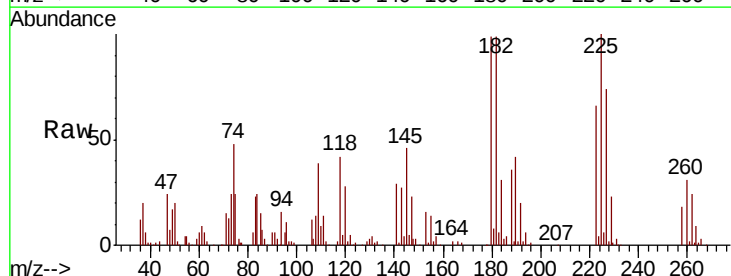


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

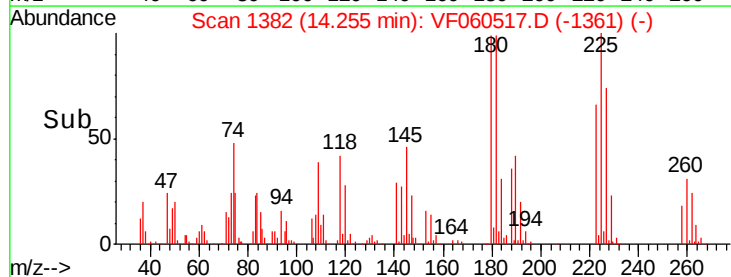
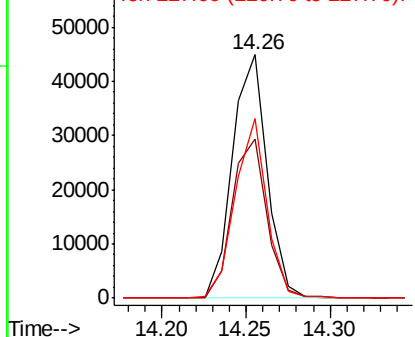


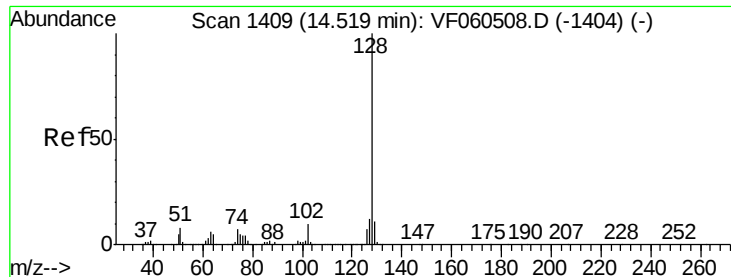
#94
 Hexachlorobutadiene
 Concen: 18.905 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion:225 Resp: 64107
 Ion Ratio Lower Upper
 225 100
 223 65.6 33.4 100.2
 227 73.7 32.9 98.6



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





#95

Naphthalene

Concen: 19.026 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

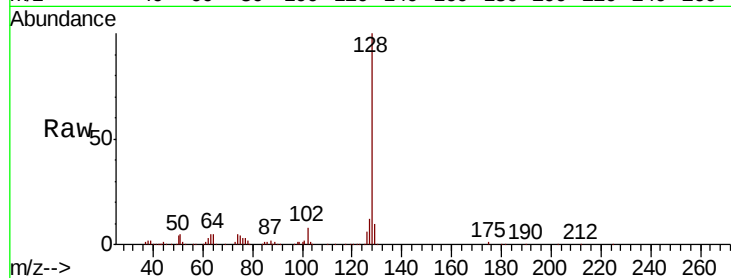
Tot Ion:128 Resp: 136056

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

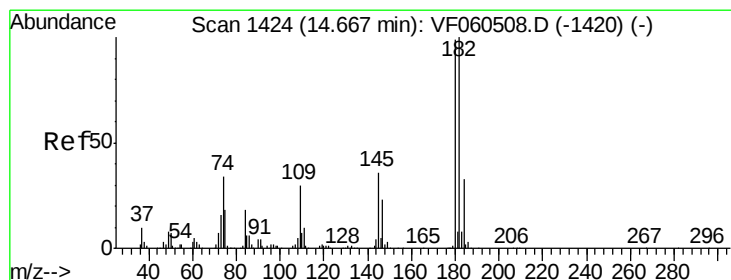
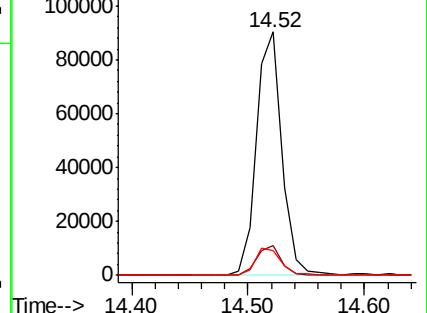
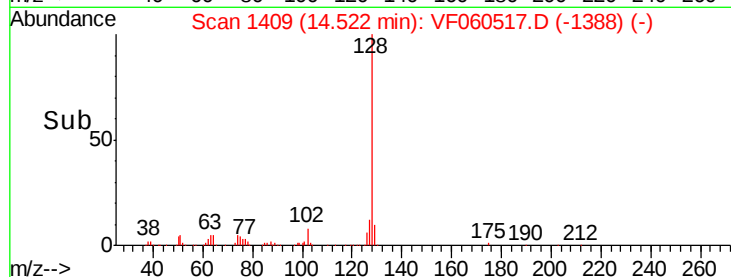
129 10.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.419 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

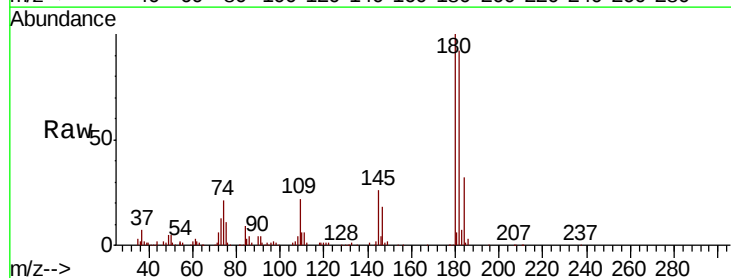
Tgt Ion:180 Resp: 85154

Ion Ratio Lower Upper

180 100

182 91.7 50.7 152.1

145 26.3 18.1 54.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

