

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF102918\
 Data File : VF060531.D
 Acq On : 29 Oct 2018 16:27
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 30 04:19:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 04:16:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	287016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	459051	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	378979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	245269	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	22858	4.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.32%	
35) Dibromofluoromethane	4.31	113	23445	4.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.82%	
50) Toluene-d8	7.73	98	54641	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	11.52	95	24654	4.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.24%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.00	85	32785	4.431 ug/l	97
3) Chloromethane	1.14	50	21186	5.945 ug/l	100
4) Vinyl Chloride	1.19	62	20192	5.004 ug/l	95
5) Bromomethane	1.36	94	14357	3.630 ug/l	94
6) Chloroethane	1.45	64	10900	4.463 ug/l	99
7) Trichlorofluoromethane	1.54	101	46234	3.718 ug/l	87
8) Diethyl Ether	1.71	74	6376	5.276 ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.90	101	22190	4.133 ug/l	93
10) Methyl Iodide	1.98	142	28610	3.719 ug/l #	85
11) Tert butyl alcohol	2.70	59	7050	24.463 ug/l #	62
12) 1,1-Dichloroethene	1.86	96	20795	5.327 ug/l #	84
13) Acrolein	2.10	56	6124	25.667 ug/l	94
14) Allyl chloride	2.20	41	30701	4.901 ug/l	93
15) Acrylonitrile	3.07	53	13806	30.034 ug/l	96
16) Acetone	2.34	43	33663	26.152 ug/l	100
17) Carbon Disulfide	1.90	76	51358	4.704 ug/l #	92
18) Methyl Acetate	2.45	43	9251	5.112 ug/l #	91
19) Methyl tert-butyl Ether	2.54	73	44789	4.613 ug/l #	87
20) Methylene Chloride	2.29	84	12584	3.194 ug/l #	88
21) trans-1,2-Dichloroethene	2.42	96	19624	5.178 ug/l	87
22) Diisopropyl ether	2.94	45	56028	5.010 ug/l #	92
23) Vinyl Acetate	3.34	43	104456	28.541 ug/l	99
24) 1,1-Dichloroethane	3.00	63	38766	4.612 ug/l	99
25) 2-Butanone	4.51	43	35841	34.699 ug/l	99
26) 2,2-Dichloropropane	3.77	77	20939	3.744 ug/l	85
27) cis-1,2-Dichloroethene	3.64	96	19521	5.183 ug/l	94
28) Bromochloromethane	3.90	49	15485	5.932 ug/l #	80
29) Tetrahydrofuran	4.26	42	13825	34.183 ug/l	91
30) Chloroform	4.05	83	46461	4.674 ug/l	93
31) Cyclohexane	3.87	56	22692	5.074 ug/l #	89
32) 1,1,1-Trichloroethane	4.29	97	33851	3.750 ug/l	96
36) 1,1-Dichloropropene	4.47	75	27551	4.137 ug/l	93
37) Ethyl Acetate	4.32	43	15748	7.169 ug/l #	27
38) Carbon Tetrachloride	4.18	117	42645	4.399 ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF102918\
 Data File : VF060531.D
 Acq On : 29 Oct 2018 16:27
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 30 04:19:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 04:16:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	30614	5.461	ug/l	94
40) Benzene	4.82	78	57173	5.048	ug/l	98
41) Methacrylonitrile	4.94	41	8178	7.233	ug/l #	76
42) 1,2-Dichloroethane	5.12	62	29667	4.293	ug/l	95
43) Isopropyl Acetate	7.13	43	13435	5.673	ug/l #	77
44) Trichloroethene	5.69	130	19882	5.122	ug/l	70
45) 1,2-Dichloropropane	6.42	63	14963	5.273	ug/l #	86
46) Dibromomethane	6.27	93	12185	4.672	ug/l #	83
47) Bromodichloromethane	6.56	83	31324	4.348	ug/l #	84
48) Methyl methacrylate	6.89	41	8410	4.796	ug/l #	80
49) 1,4-Dioxane	6.87	88	1528	98.925	ug/l #	44
51) 4-Methyl-2-Pentanone	8.42	43	51829	28.749	ug/l	98
52) Toluene	7.79	92	37384	5.014	ug/l	92
53) t-1,3-Dichloropropene	8.44	75	26162	4.855	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	26301	4.662	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	11415	4.926	ug/l #	86
56) Ethyl methacrylate	8.78	69	12776	5.047	ug/l #	92
57) 1,3-Dichloropropane	9.01	76	20134	4.909	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.79	63	8010	24.517	ug/l	100
59) 2-Hexanone	9.64	43	39089	29.111	ug/l	97
60) Dibromochloromethane	8.87	129	17087	3.971	ug/l	100
61) 1,2-Dibromoethane	9.15	107	12714	4.641	ug/l	87
64) Tetrachloroethene	8.32	164	16381	5.018	ug/l	89
65) Chlorobenzene	9.95	112	40902	5.086	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.08	131	19267	4.797	ug/l	98
67) Ethyl Benzene	10.05	91	77266	4.777	ug/l	94
68) m/p-Xylenes	10.28	106	56077	10.950	ug/l	99
69) o-Xylene	10.84	106	30202	5.205	ug/l	98
70) Styrene	10.91	104	42361	5.221	ug/l	94
71) Bromoform	10.90	173	10646	4.921	ug/l #	81
73) Isopropylbenzene	11.24	105	96816	4.971	ug/l	98
74) N-amyl acetate	11.47	43	23421	6.623	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	15518	5.370	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	12419	5.058	ug/l	94
77) Bromobenzene	11.60	156	20215	4.934	ug/l	87
78) n-propylbenzene	11.70	91	119754	5.273	ug/l	97
79) 2-Chlorotoluene	11.82	91	67073	4.874	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	82473	4.838	ug/l	88
81) trans-1,4-Dichloro-2-buten	11.97	75	7658	7.425	ug/l #	82
82) 4-Chlorotoluene	11.99	91	72571	4.981	ug/l	99
83) tert-Butylbenzene	12.22	119	81288	4.784	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	86105	5.102	ug/l	98
85) sec-Butylbenzene	12.40	105	115944	5.029	ug/l	98
86) p-Isopropyltoluene	12.55	119	98433	5.049	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	45758	5.518	ug/l	93
88) 1,4-Dichlorobenzene	12.66	146	41742	5.228	ug/l	95
89) n-Butylbenzene	12.93	91	98192	4.728	ug/l	93
90) Hexachloroethane	13.00	117	21255	4.167	ug/l	81
91) 1,2-Dichlorobenzene	13.03	146	42459	5.341	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	3036	4.325	ug/l #	45

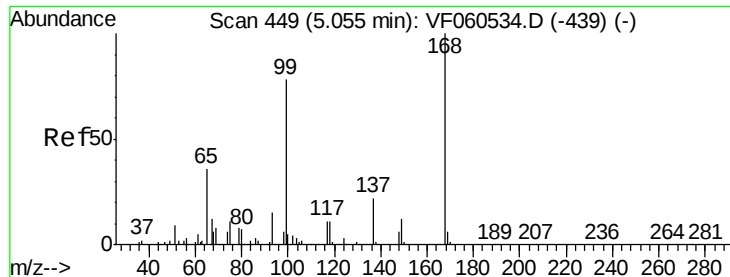
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF102918\
Data File : VF060531.D
Acq On : 29 Oct 2018 16:27
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00/5mL/MSVOA_F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Oct 30 04:19:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 30 04:16:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	32712	5.142	ug/l	96
94) Hexachlorobutadiene	14.26	225	22666	4.834	ug/l	96
95) Naphthalene	14.53	128	54951	5.372	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.68	180	29286	4.997	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 449

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

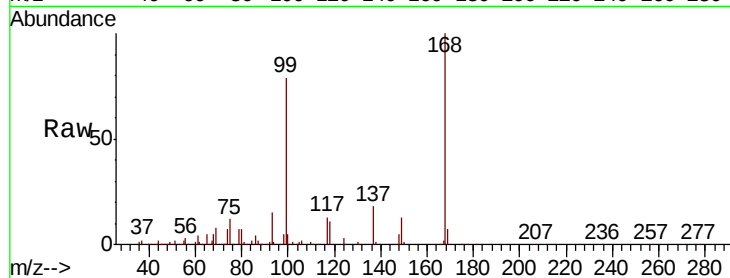
ClientSampleId :

Tgt Ion:168 Resp: 287016

Ion Ratio Lower Upper

168 100

99 79.1 62.6 93.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

100000

80000

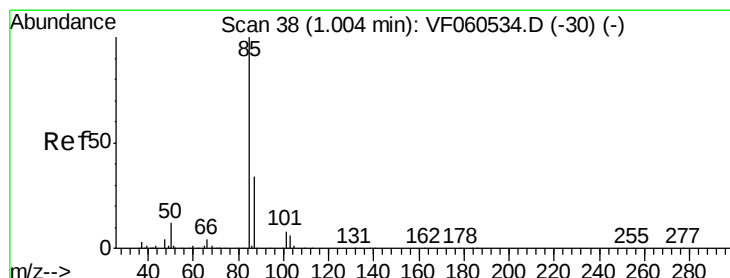
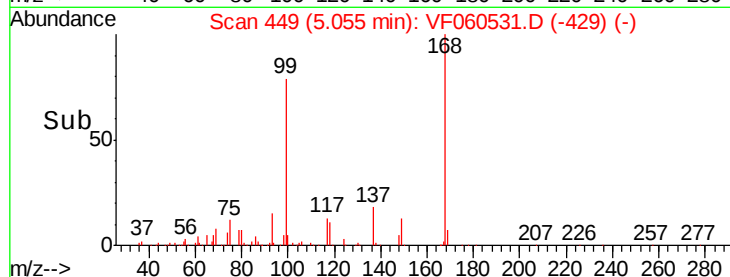
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.431 ug/l

RT: 1.00 min Scan# 38

Delta R.T. -0.00 min

Lab File: VF060531.D

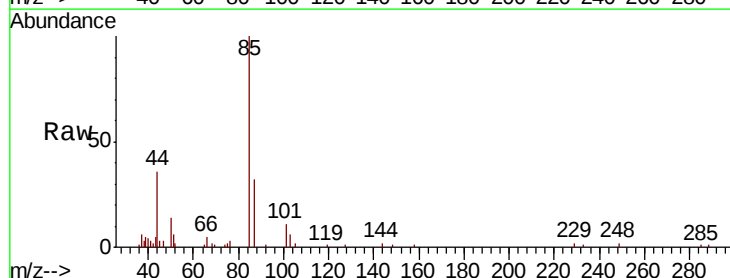
Acq: 29 Oct 2018 16:27

Tgt Ion: 85 Resp: 32785

Ion Ratio Lower Upper

85 100

87 32.1 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

10000

8000

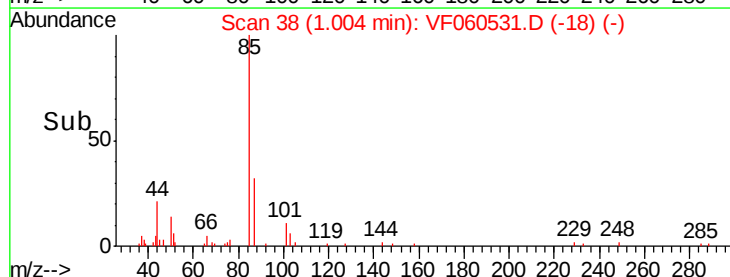
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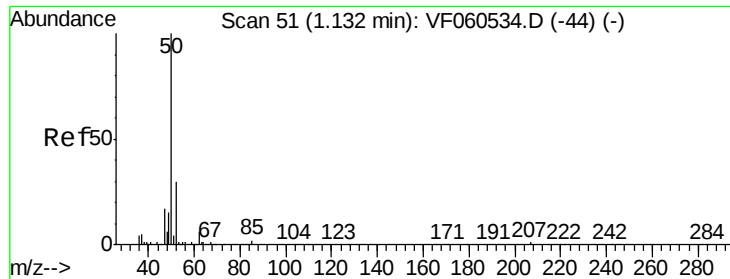
4000

2000

0

Time-->





#3

Chloromethane

Concen: 5.945 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

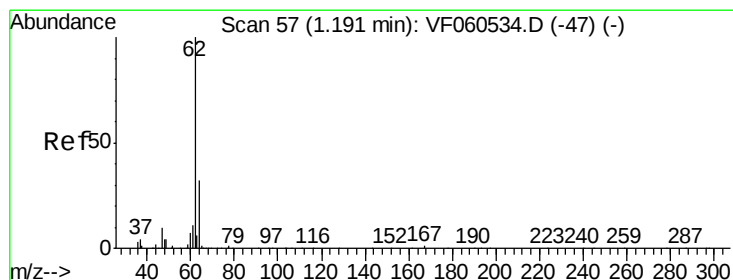
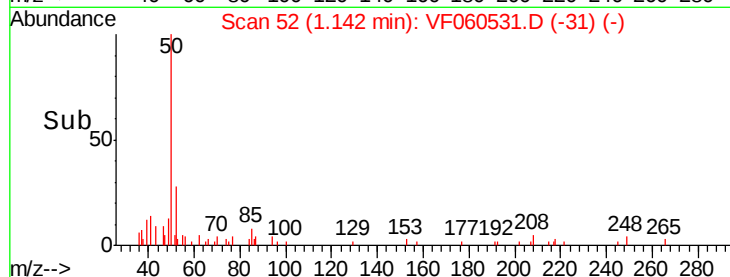
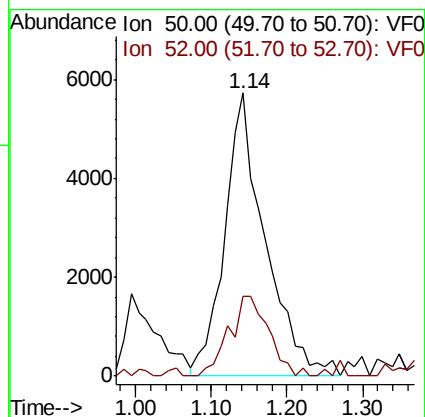
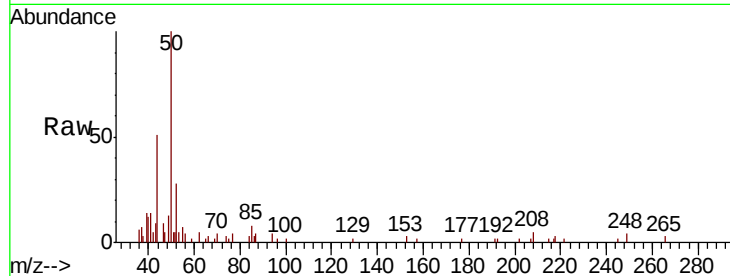
Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 50 Resp: 21186

Ion Ratio Lower Upper

50 100

52 28.4 22.8 34.2



#4

Vinyl Chloride

Concen: 5.004 ug/l

RT: 1.19 min Scan# 57

Delta R.T. -0.00 min

Lab File: VF060531.D

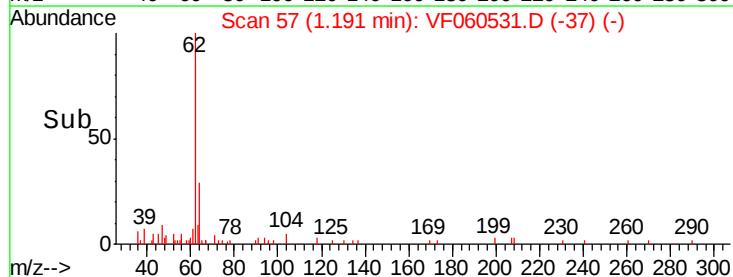
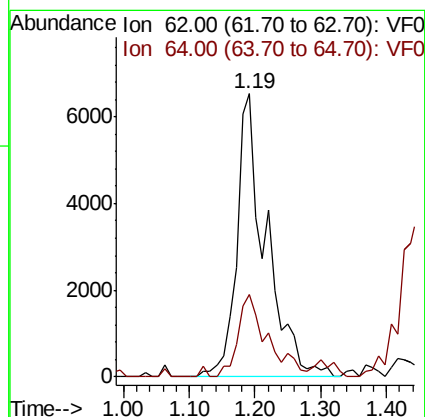
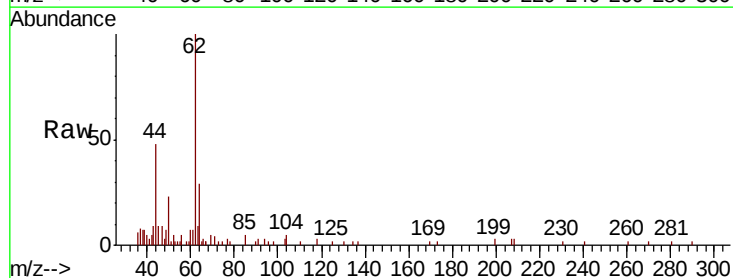
Acq: 29 Oct 2018 16:27

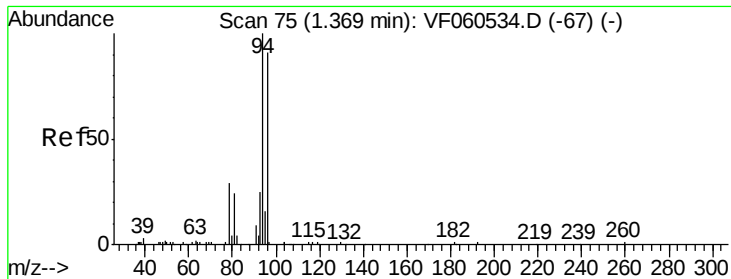
Tgt Ion: 62 Resp: 20192

Ion Ratio Lower Upper

62 100

64 29.0 25.3 37.9





#5

Bromomethane

Concen: 3.630 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

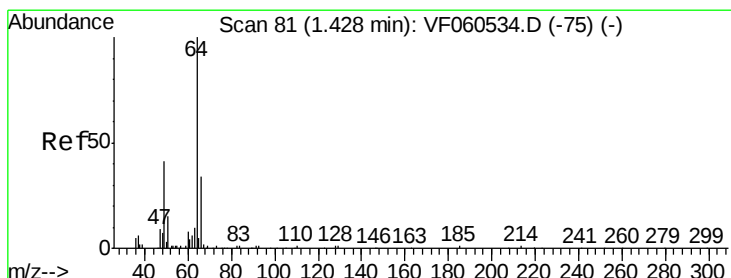
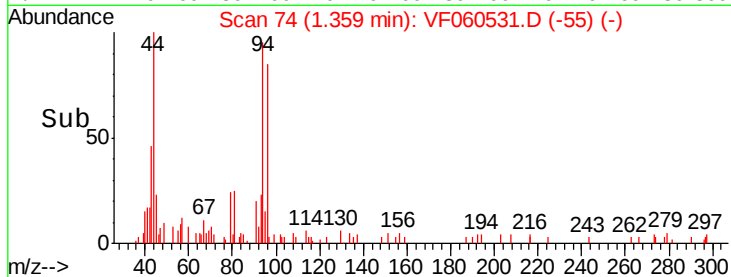
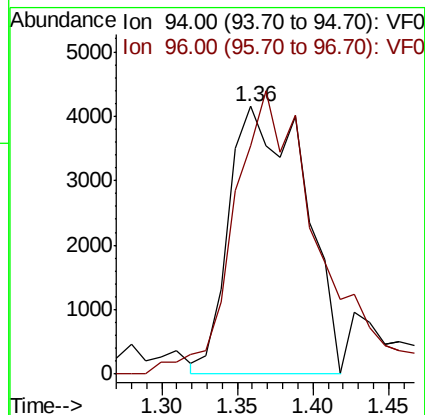
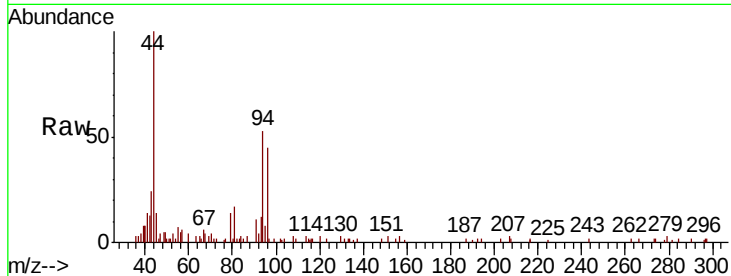
ClientSampleId :

Tgt Ion: 94 Resp: 14357

Ion Ratio Lower Upper

94 100

96 85.5 73.2 109.8



#6

Chloroethane

Concen: 4.463 ug/l

RT: 1.45 min Scan# 83

Delta R.T. 0.02 min

Lab File: VF060531.D

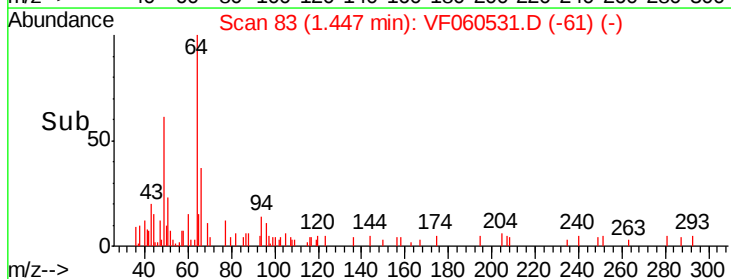
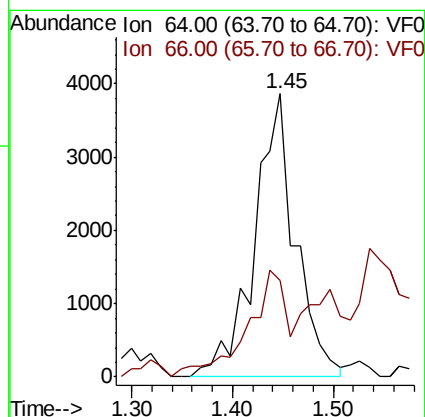
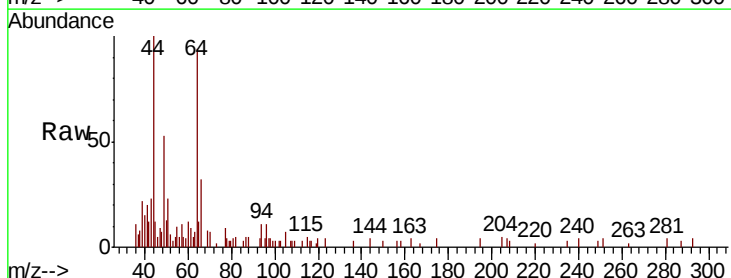
Acq: 29 Oct 2018 16:27

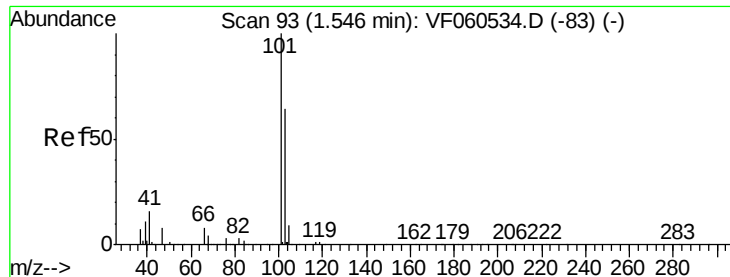
Tgt Ion: 64 Resp: 10900

Ion Ratio Lower Upper

64 100

66 34.3 27.1 40.7





#7

Trichlorofluoromethane

Concen: 3.718 ug/l

RT: 1.54 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

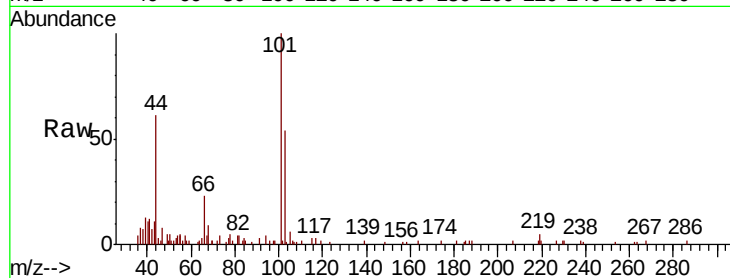
ClientSampled :

Tgt Ion:101 Resp: 46234

Ion Ratio Lower Upper

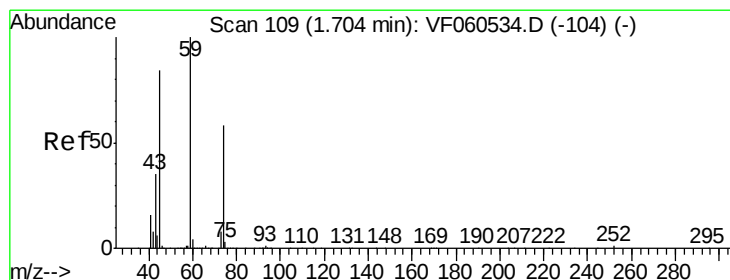
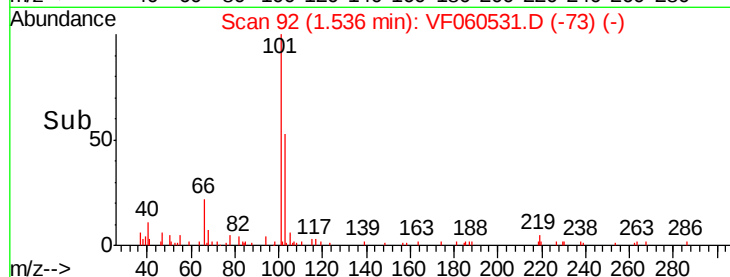
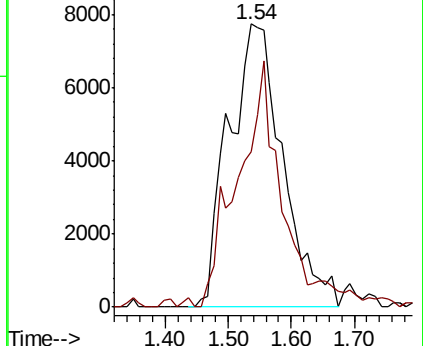
101 100

103 54.1 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 5.276 ug/l

RT: 1.71 min Scan# 110

Delta R.T. 0.01 min

Lab File: VF060531.D

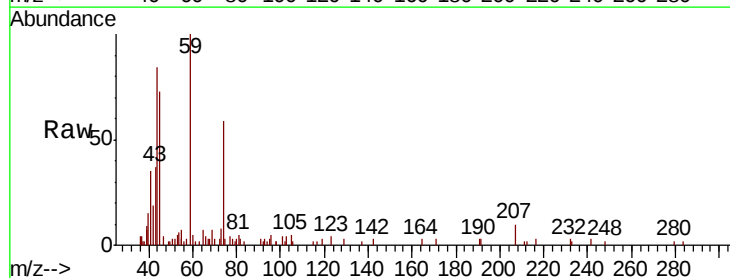
Acq: 29 Oct 2018 16:27

Tgt Ion: 74 Resp: 6376

Ion Ratio Lower Upper

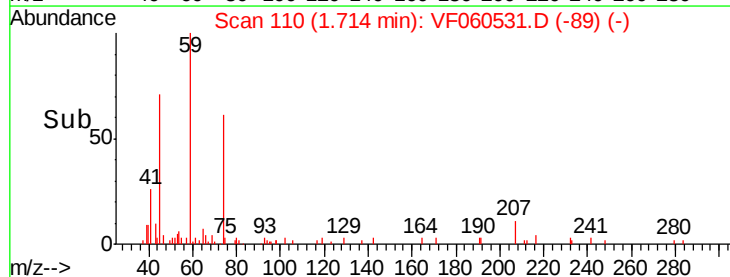
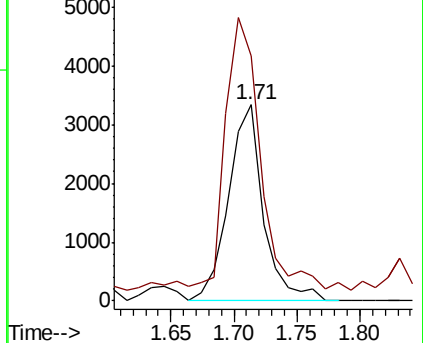
74 100

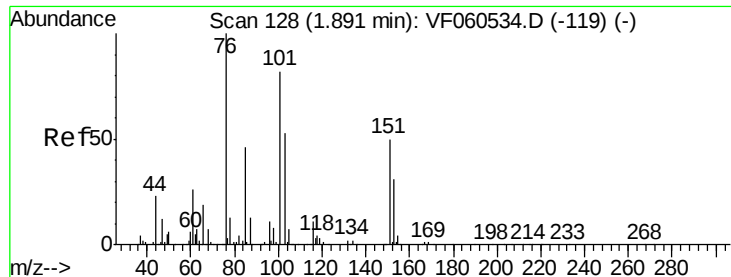
45 125.0 72.9 218.6



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: 4.133 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

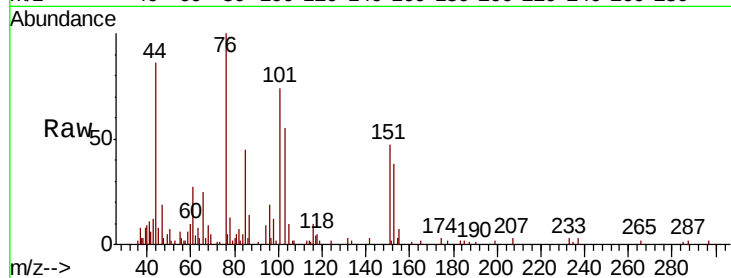
Tgt Ion:101 Resp: 22190

Ion Ratio Lower Upper

101 100

85 60.9 44.6 67.0

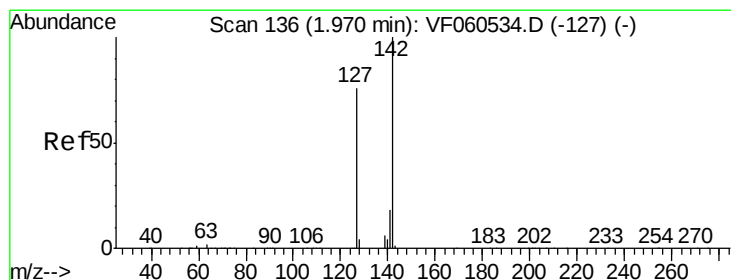
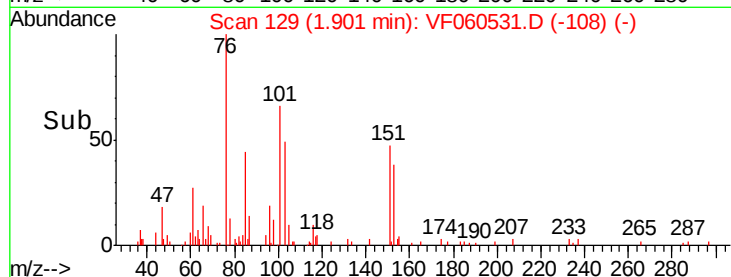
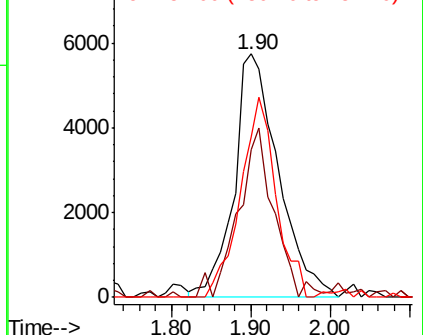
151 65.7 48.4 72.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 3.719 ug/l

RT: 1.98 min Scan# 137

Delta R.T. 0.01 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

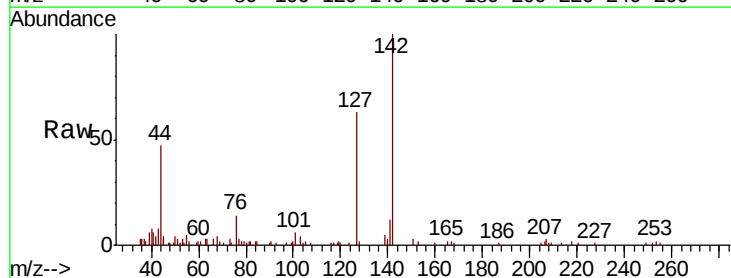
Tgt Ion:142 Resp: 28610

Ion Ratio Lower Upper

142 100

127 62.8 61.2 91.8

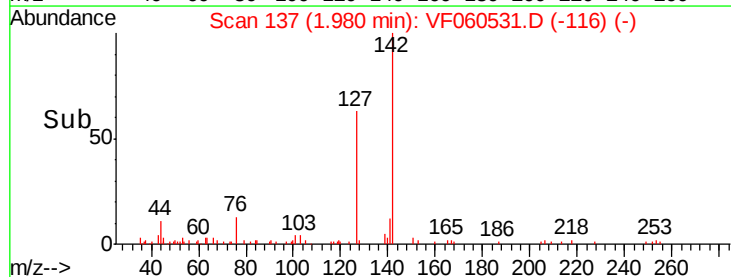
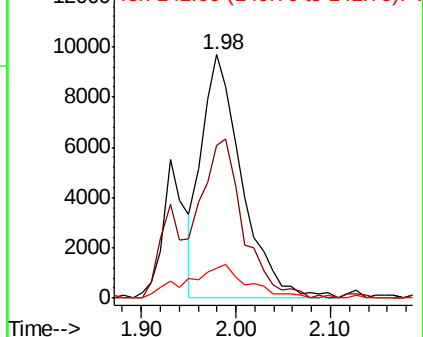
141 12.0 14.0 21.0#

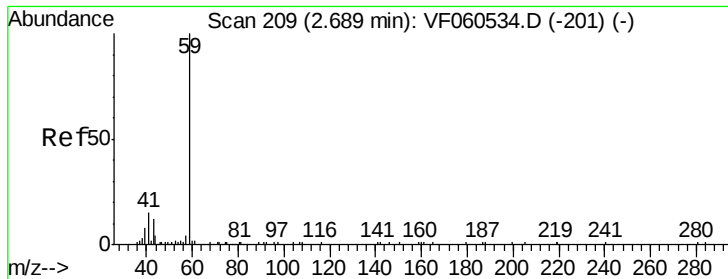


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

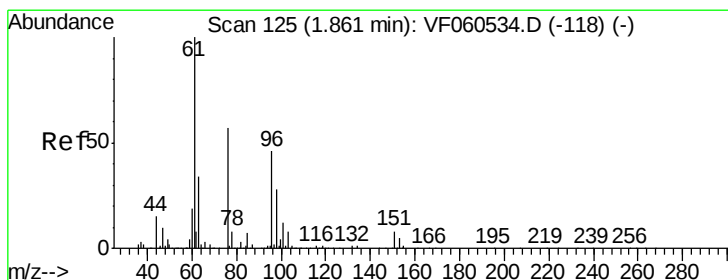
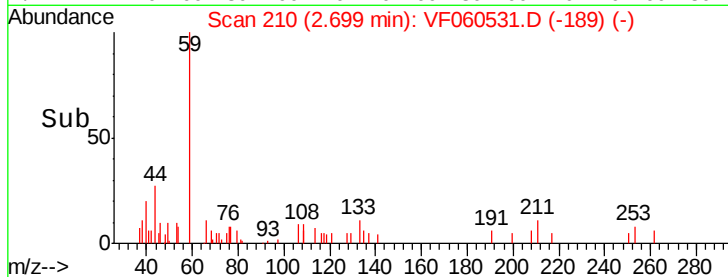
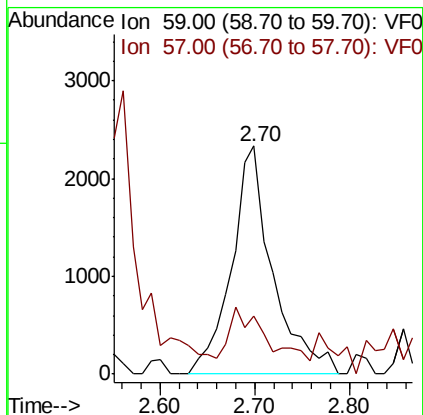
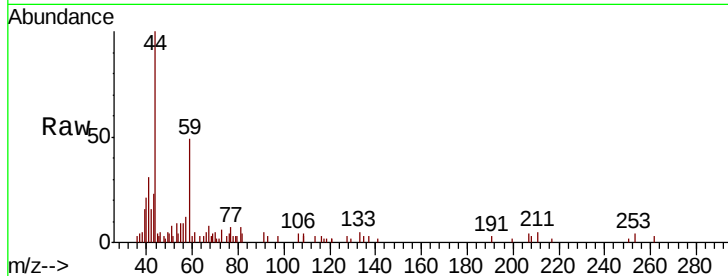




#11
Tert butyl alcohol
Concen: 24.463 ug/l
RT: 2.70 min Scan# 210
Delta R.T. 0.01 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

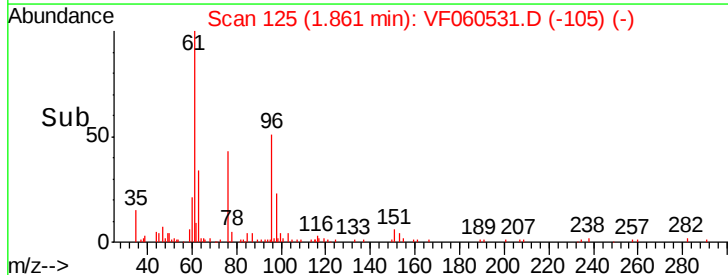
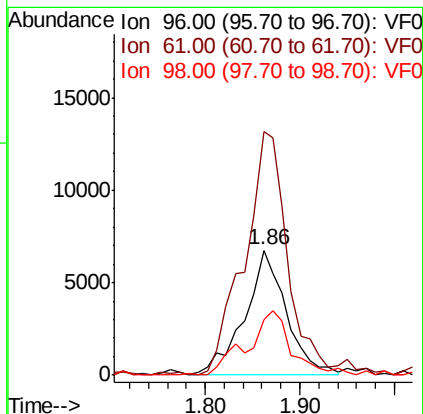
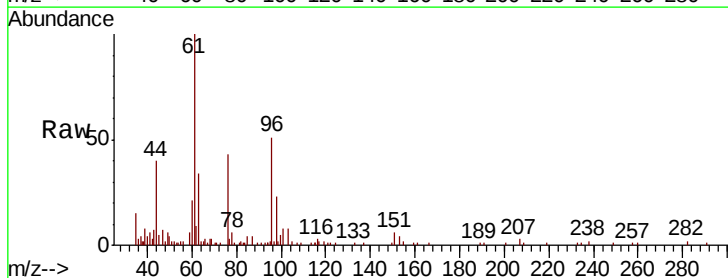
Instrument :
MSVOA_F
ClientSampleId :

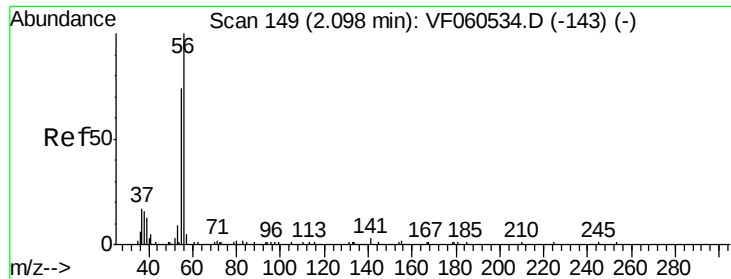
Tgt Ion: 59 Resp: 7050
Ion Ratio Lower Upper
59 100
57 25.4 8.9 13.3#



#12
1,1-Dichloroethene
Concen: 5.327 ug/l
RT: 1.86 min Scan# 125
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Tgt Ion: 96 Resp: 20795
Ion Ratio Lower Upper
96 100
61 194.6 175.4 263.2
98 47.9 48.9 73.3#





#13

Acrolein

Concen: 25.667 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

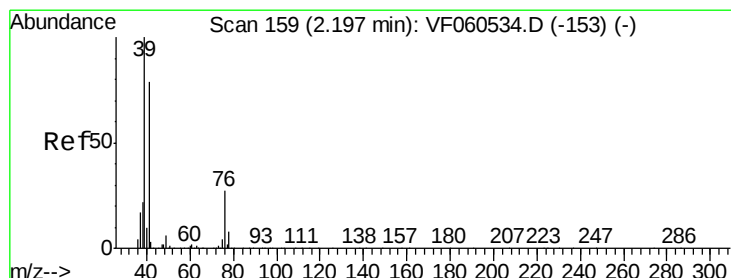
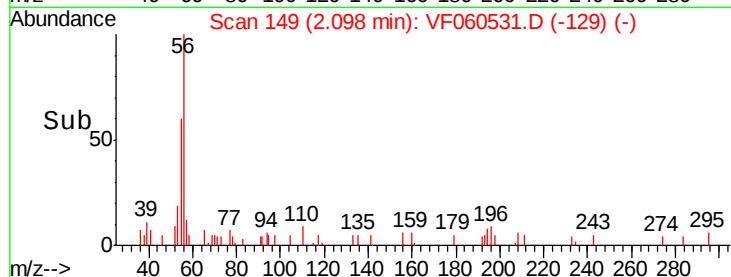
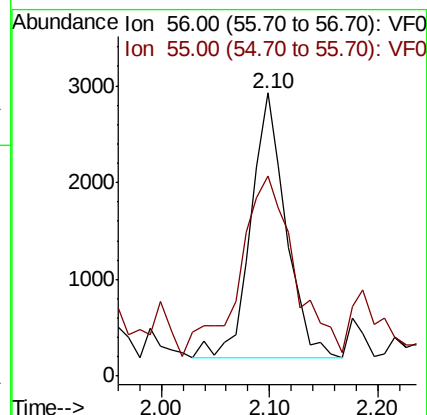
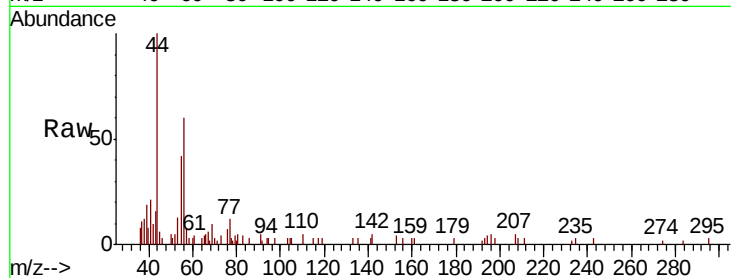
Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 56 Resp: 6124

Ion Ratio Lower Upper

56 100

55 70.5 60.4 90.6



#14

Allyl chloride

Concen: 4.901 ug/l

RT: 2.20 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

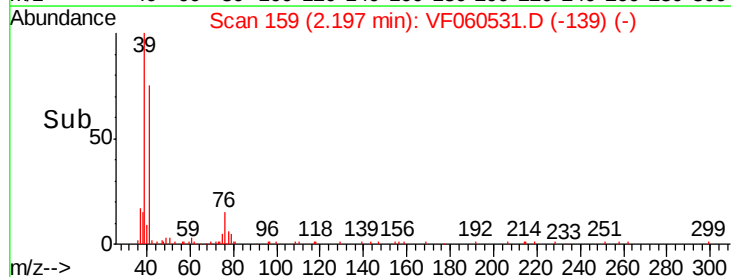
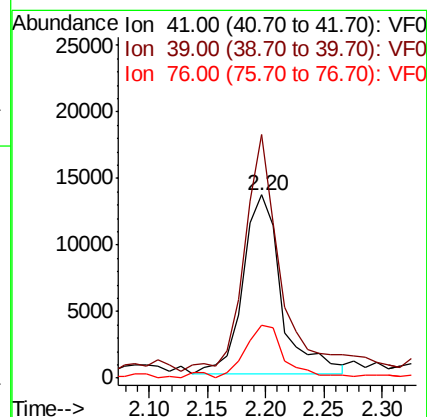
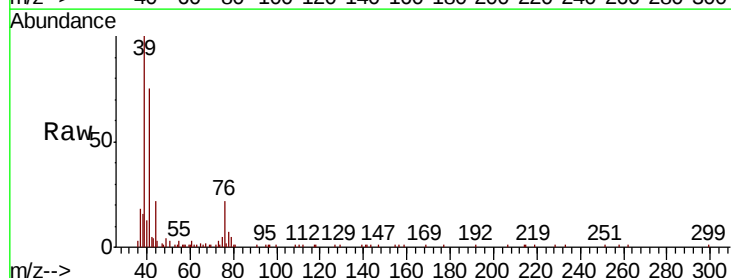
Tgt Ion: 41 Resp: 30701

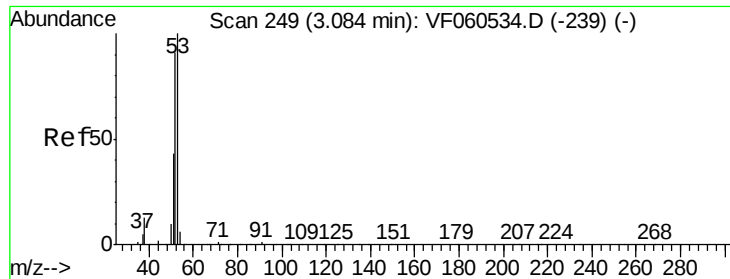
Ion Ratio Lower Upper

41 100

39 133.0 100.6 151.0

76 29.1 27.6 41.4





#15

Acrylonitrile

Concen: 30.034 ug/l

RT: 3.07 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

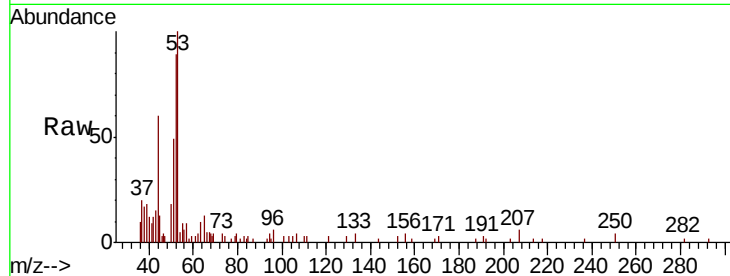
Tgt Ion: 53 Resp: 13806

Ion Ratio Lower Upper

53 100

52 89.5 73.2 109.8

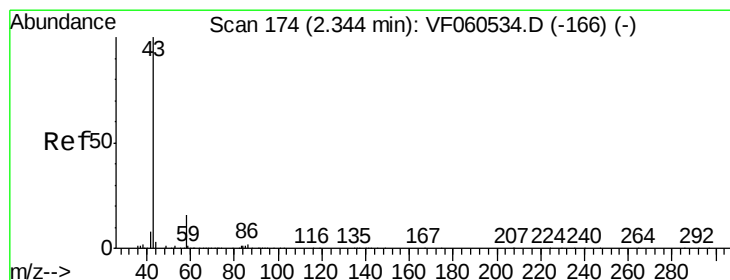
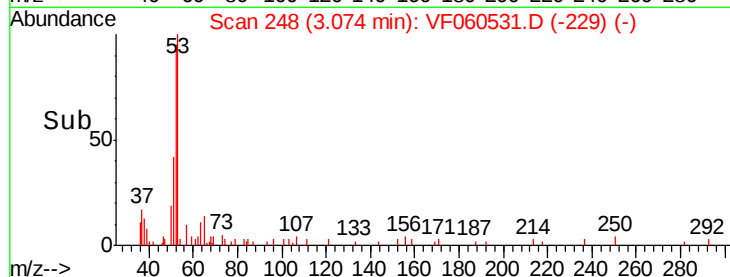
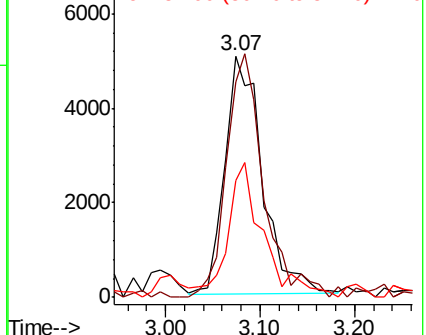
51 48.5 35.0 52.4



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 26.152 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.00 min

Lab File: VF060531.D

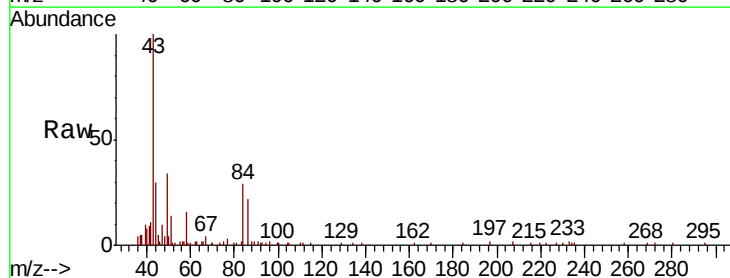
Acq: 29 Oct 2018 16:27

Tgt Ion: 43 Resp: 33663

Ion Ratio Lower Upper

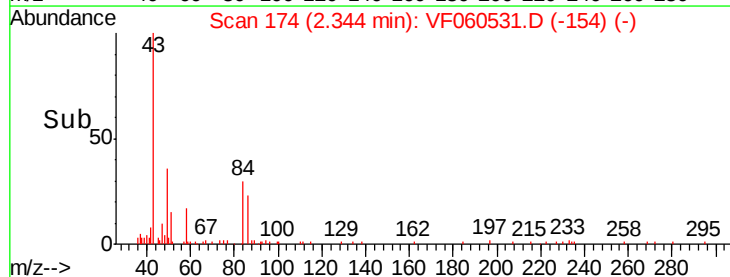
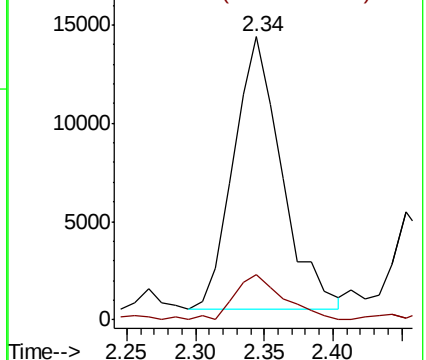
43 100

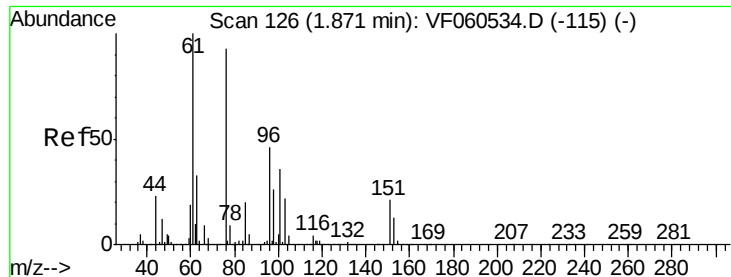
58 15.9 12.8 19.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

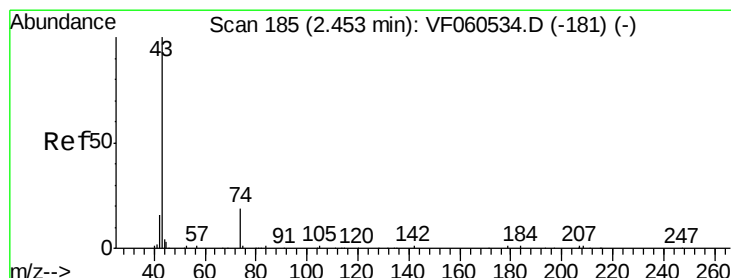
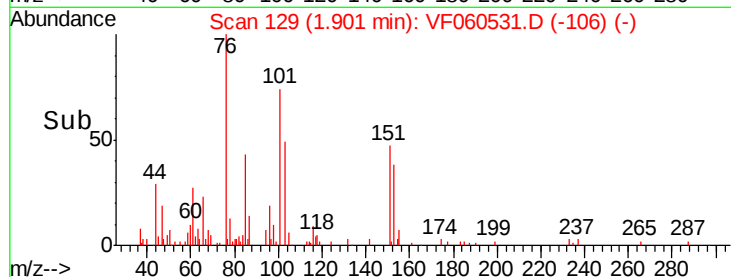
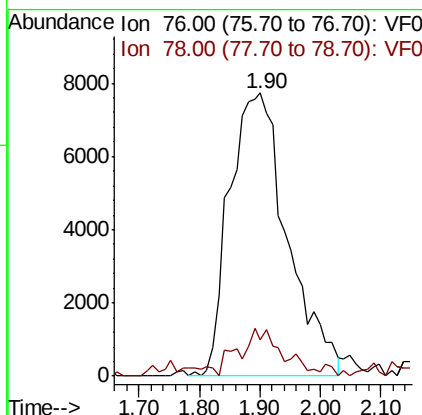
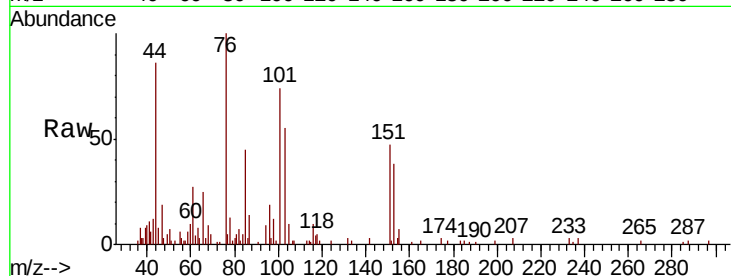




#17
Carbon Disulfide
Concen: 4.704 ug/l
RT: 1.90 min Scan# 129
Delta R.T. 0.03 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

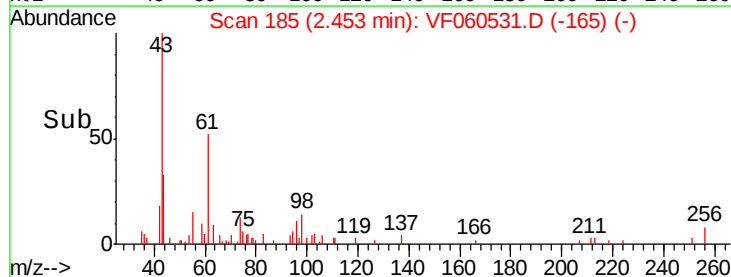
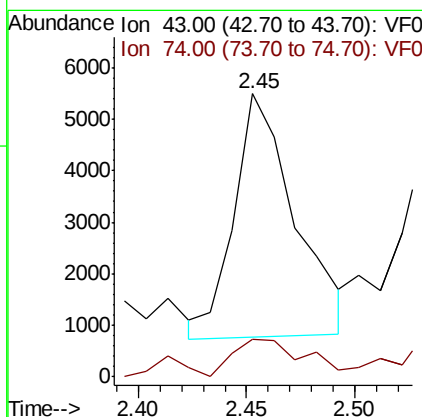
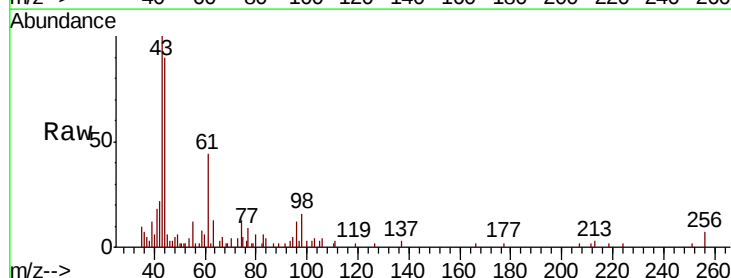
Instrument :
MSVOA_F
ClientSampleId :

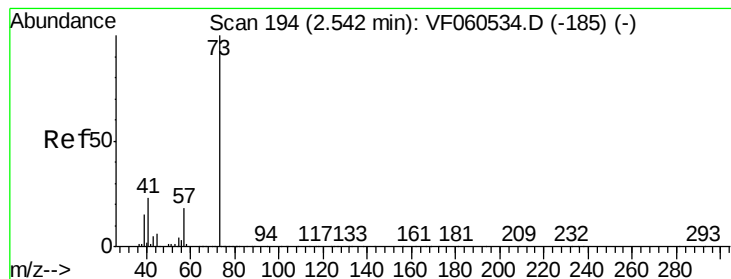
Tgt Ion: 76 Resp: 51358
Ion Ratio Lower Upper
76 100
78 13.0 8.0 12.0#



#18
Methyl Acetate
Concen: 5.112 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Tgt Ion: 43 Resp: 9251
Ion Ratio Lower Upper
43 100
74 13.2 13.5 20.3#



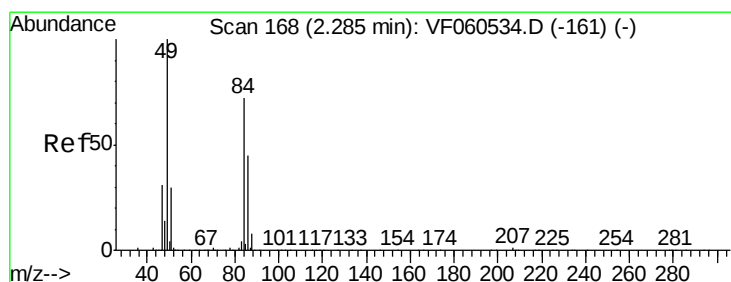
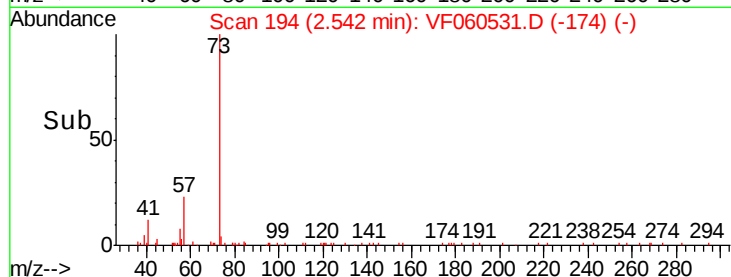
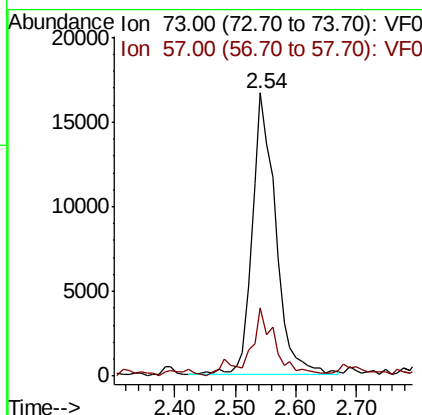
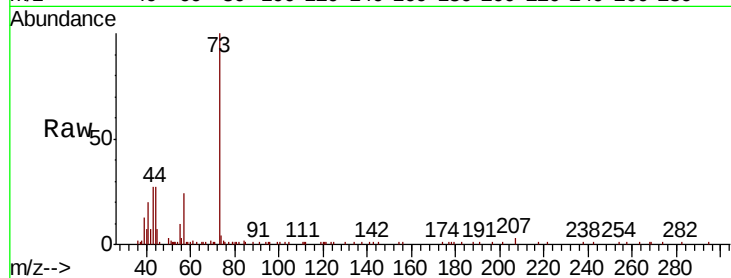


#19

Methyl tert-butyl Ether
Concen: 4.613 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Instrument :
MSVOA_F
ClientSampleId :

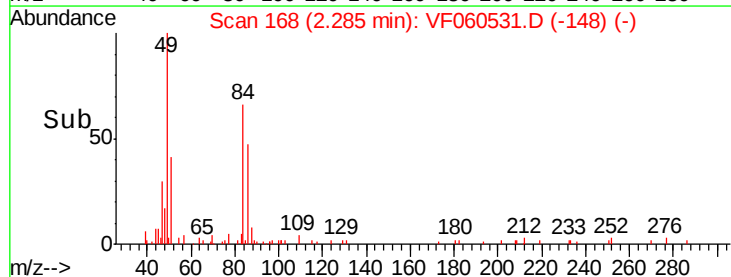
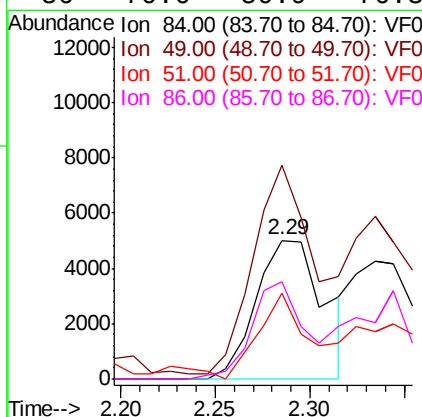
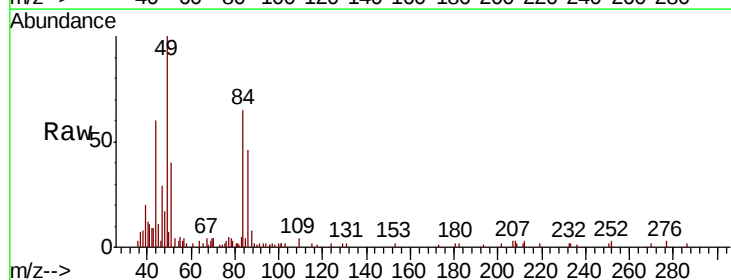
Tgt Ion: 73 Resp: 44789
Ion Ratio Lower Upper
73 100
57 24.3 14.7 22.1#

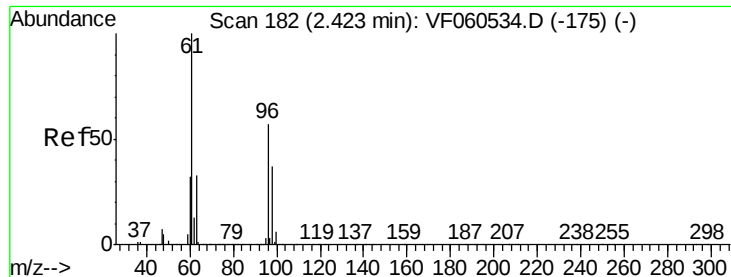


#20

Methylene Chloride
Concen: 3.194 ug/l
RT: 2.29 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Tgt Ion: 84 Resp: 12584
Ion Ratio Lower Upper
84 100
49 154.1 115.4 173.0
51 61.9 35.4 53.2#
86 70.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 5.178 ug/l

RT: 2.42 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

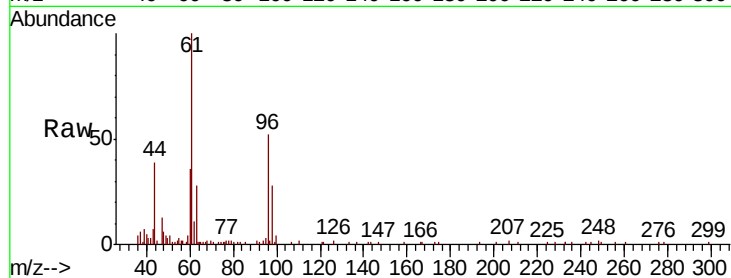
Tgt Ion: 96 Resp: 19624

Ion Ratio Lower Upper

96 100

61 191.2 139.8 209.6

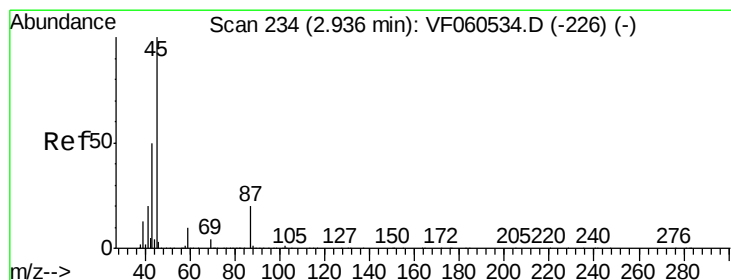
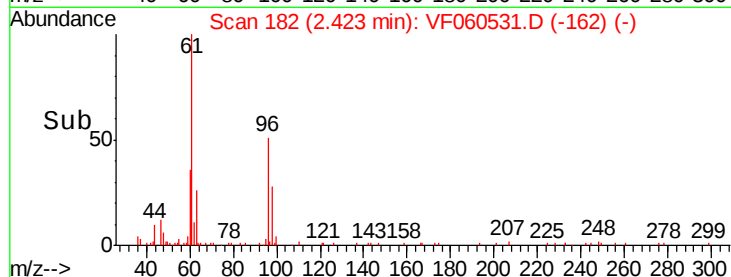
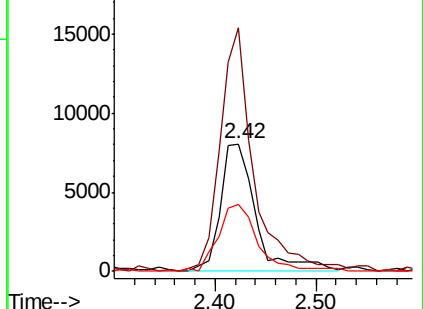
98 52.7 52.2 78.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 5.010 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Tgt Ion: 45 Resp: 56028

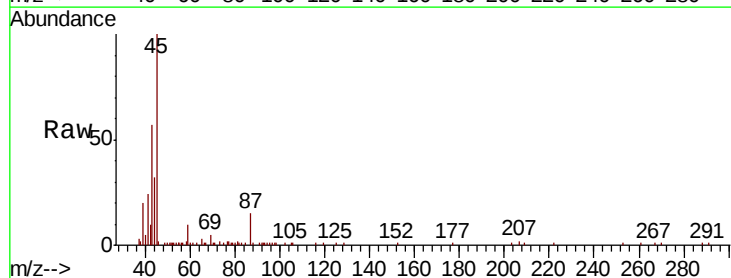
Ion Ratio Lower Upper

45 100

43 56.5 40.6 60.8

87 15.1 15.9 23.9#

59 9.9 8.0 12.0

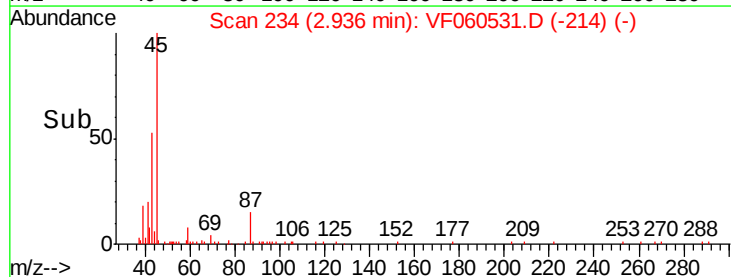
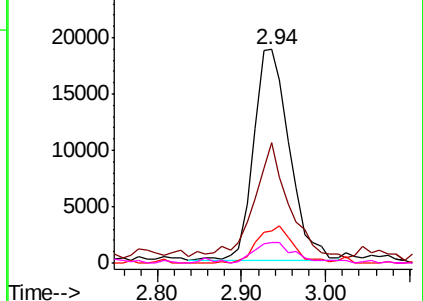


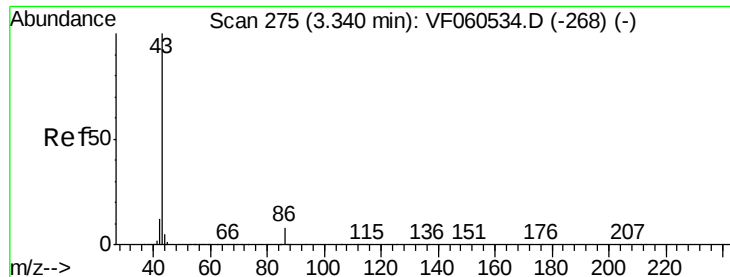
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 28.541 ug/l

RT: 3.34 min Scan# 275

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

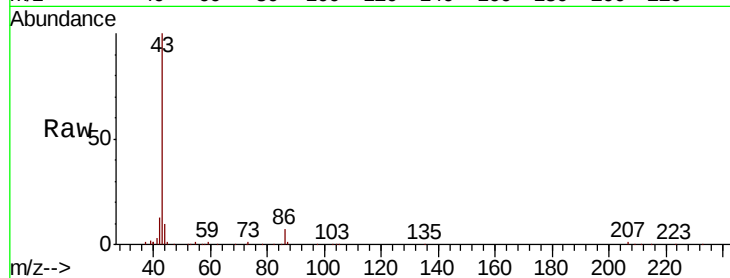
ClientSampleId :

Tgt Ion: 43 Resp: 104456

Ion Ratio Lower Upper

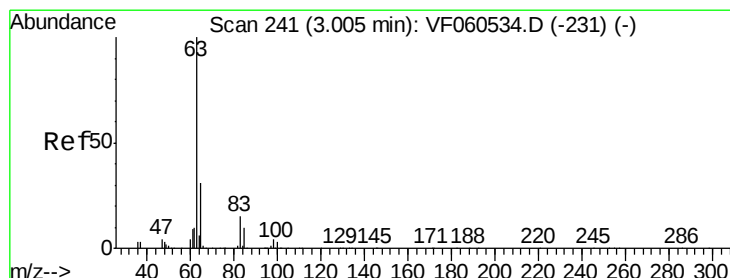
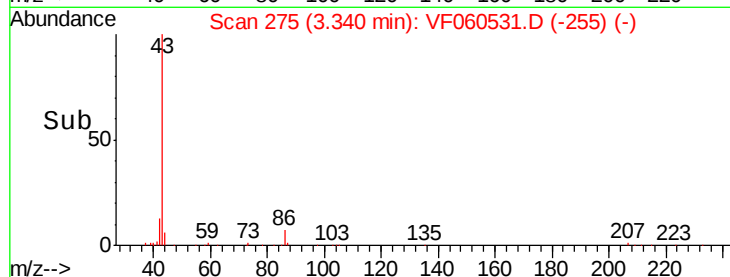
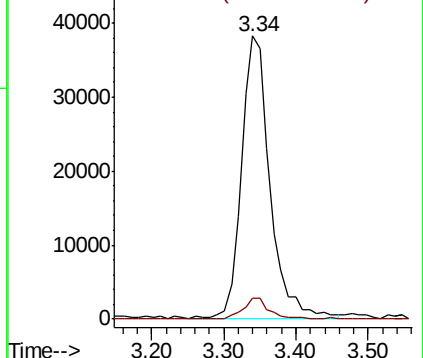
43 100

86 7.4 6.2 9.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 4.612 ug/l

RT: 3.00 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

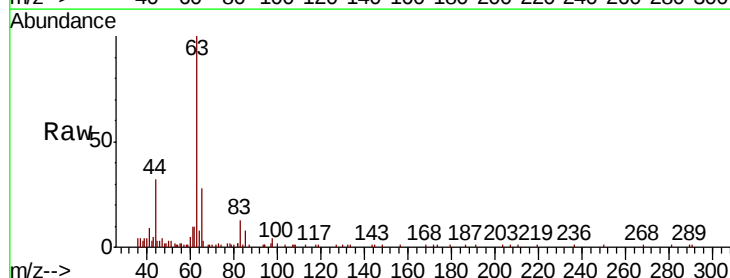
Tgt Ion: 63 Resp: 38766

Ion Ratio Lower Upper

63 100

98 4.3 2.0 6.0

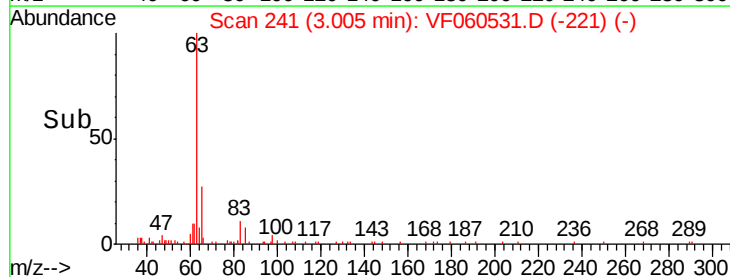
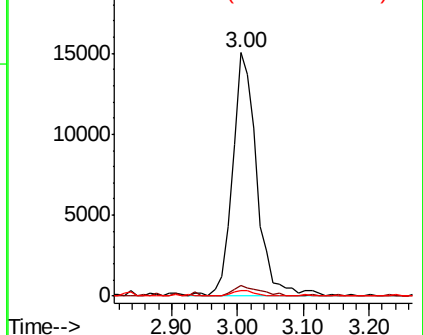
100 2.3 1.4 4.0

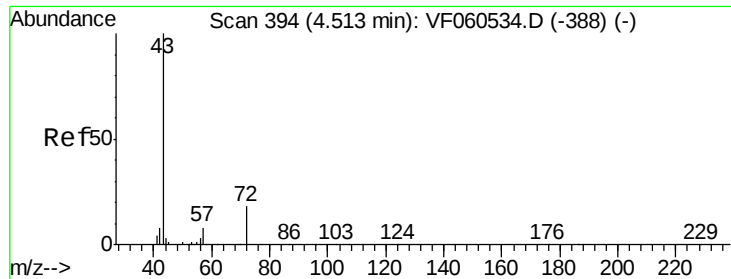


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 34.699 ug/l

RT: 4.51 min Scan# 394

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

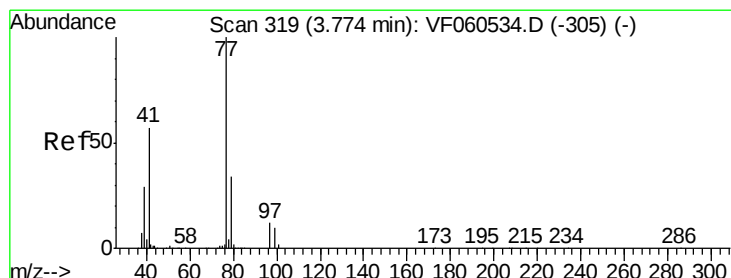
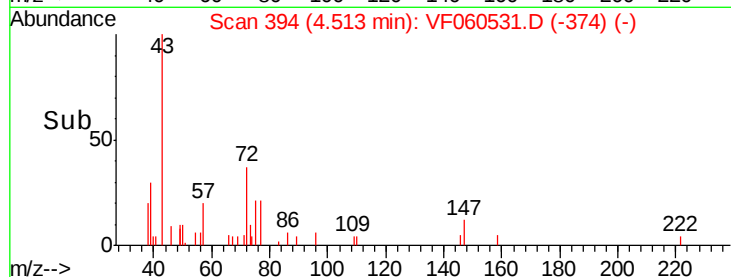
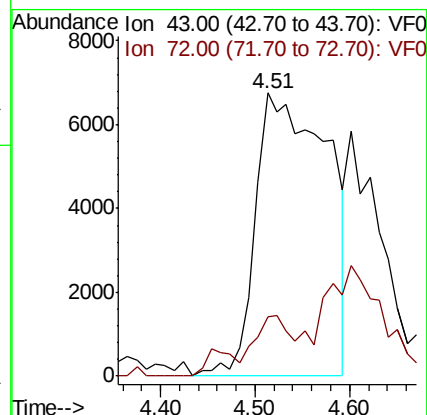
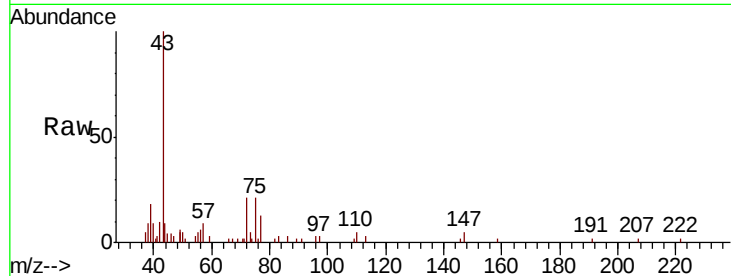
Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 35841

Ion Ratio Lower Upper

43 100

72 21.1 17.4 26.0



#26

2,2-Dichloropropane

Concen: 3.744 ug/l

RT: 3.77 min Scan# 319

Delta R.T. -0.00 min

Lab File: VF060531.D

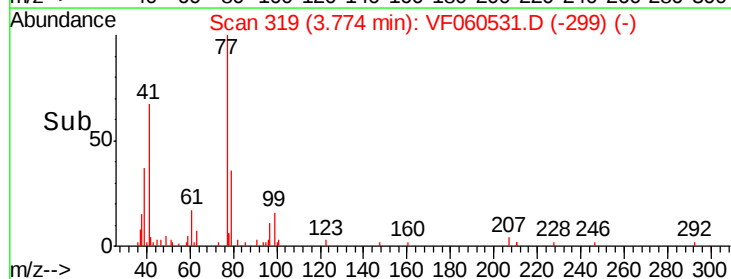
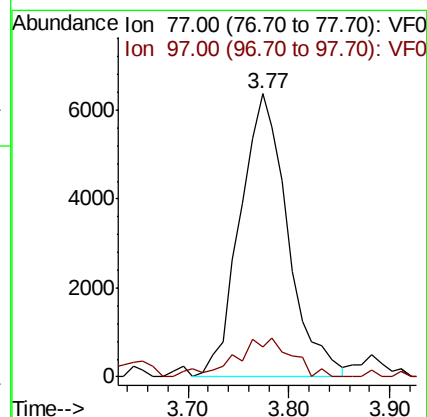
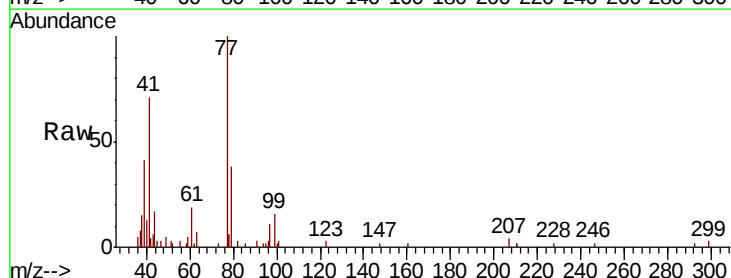
Acq: 29 Oct 2018 16:27

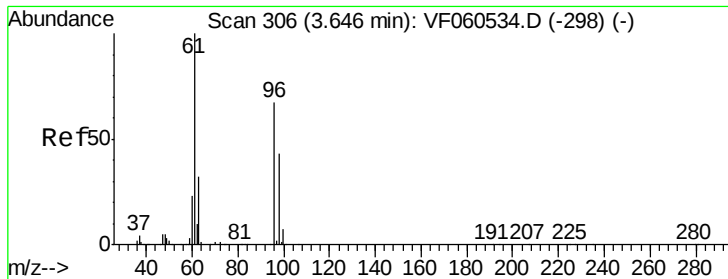
Tgt Ion: 77 Resp: 20939

Ion Ratio Lower Upper

77 100

97 10.5 8.5 25.5



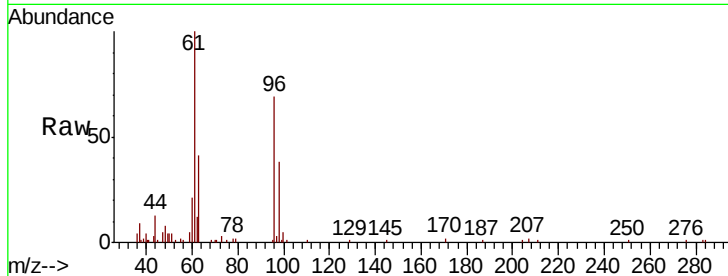


#27

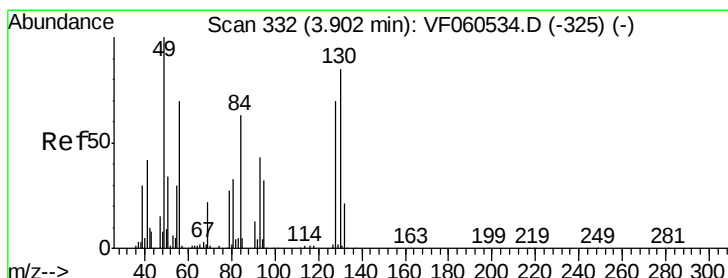
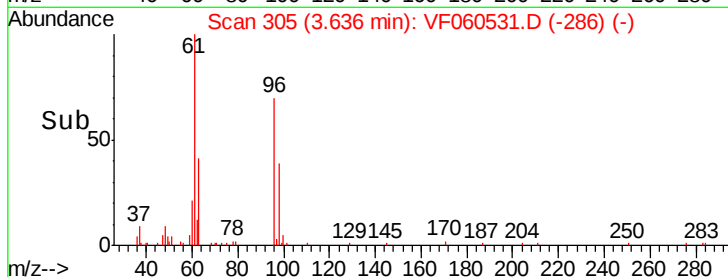
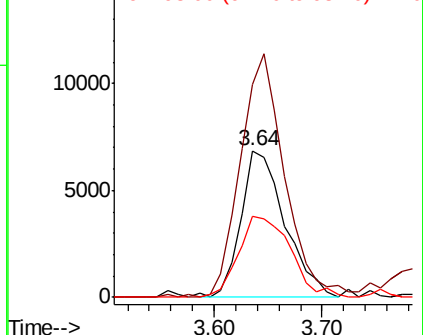
cis-1,2-Dichloroethene
 Concen: 5.183 ug/l
 RT: 3.64 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VF060531.D
 Acq: 29 Oct 2018 16:27

Instrument :
 MSVOA_F
 ClientSampleId :

Tgt Ion: 96 Resp: 19521
 Ion Ratio Lower Upper
 96 100
 61 145.3 0.0 300.8
 98 55.4 0.0 128.4



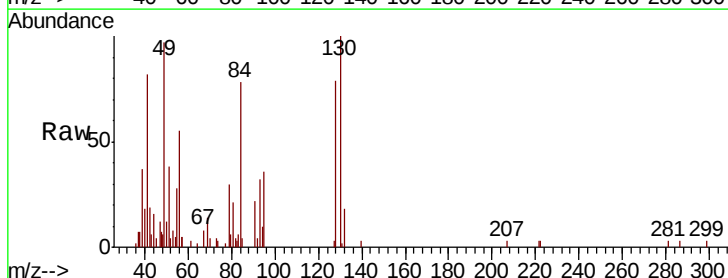
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



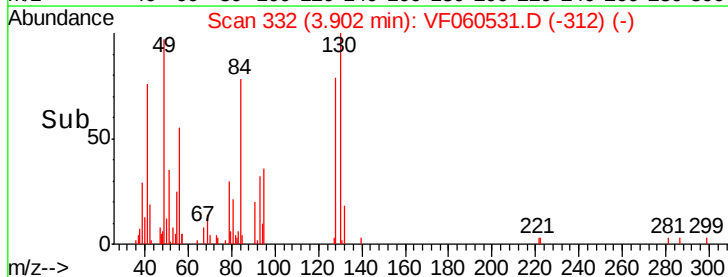
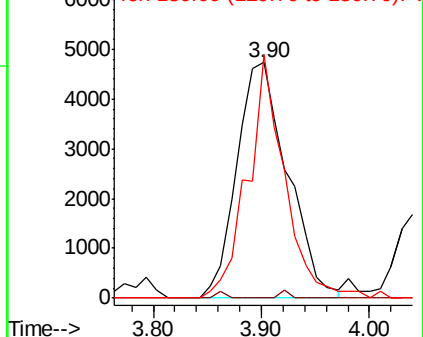
#28

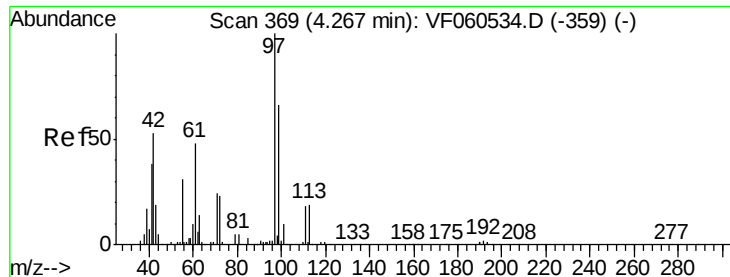
Bromochloromethane
 Concen: 5.932 ug/l
 RT: 3.90 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VF060531.D
 Acq: 29 Oct 2018 16:27

Tgt Ion: 49 Resp: 15485
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.8
 130 103.4 67.5 101.3#



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: 34.183 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

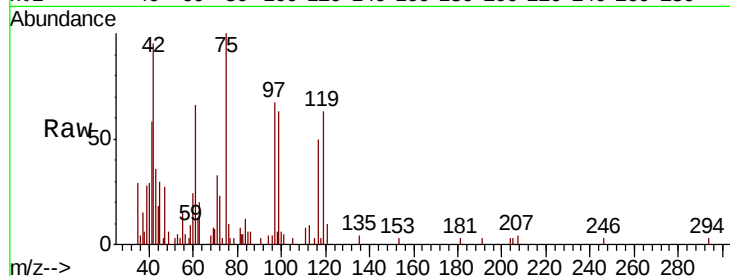
Tgt Ion: 42 Resp: 13825

Ion Ratio Lower Upper

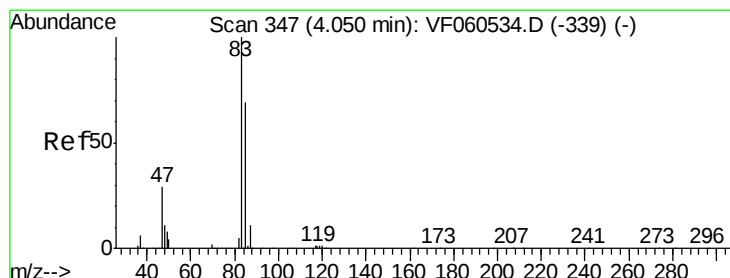
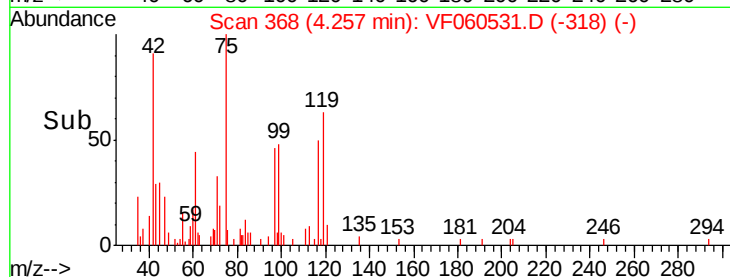
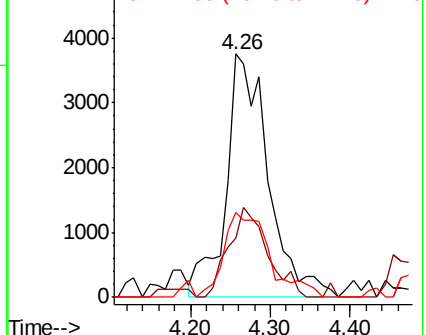
42 100

72 34.1 32.5 48.7

71 37.8 34.5 51.7



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: 4.674 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.00 min

Lab File: VF060531.D

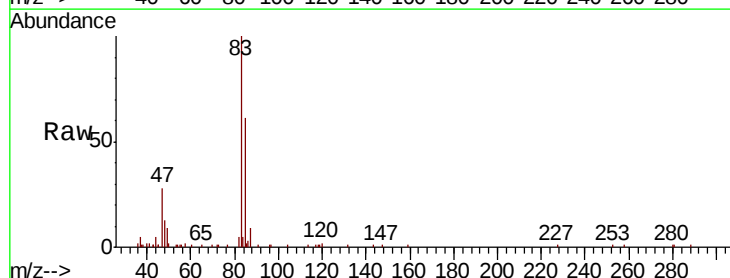
Acq: 29 Oct 2018 16:27

Tgt Ion: 83 Resp: 46461

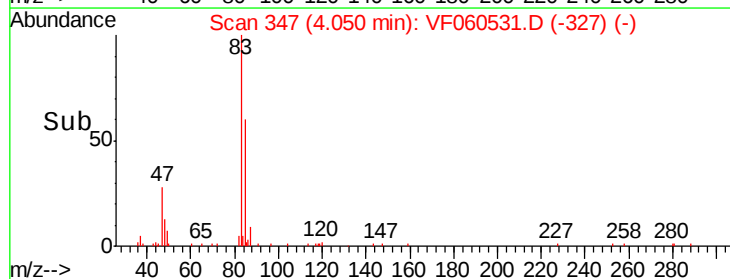
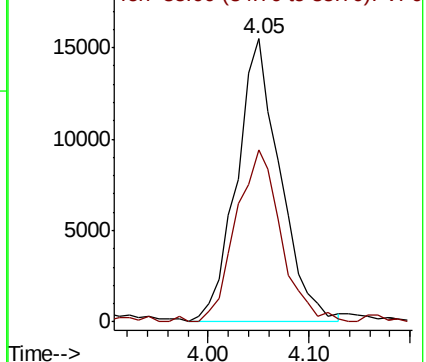
Ion Ratio Lower Upper

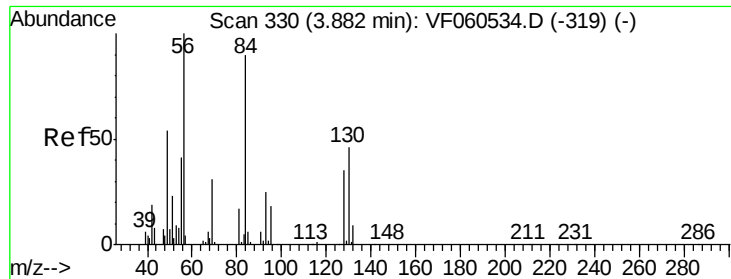
83 100

85 62.8 55.0 82.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

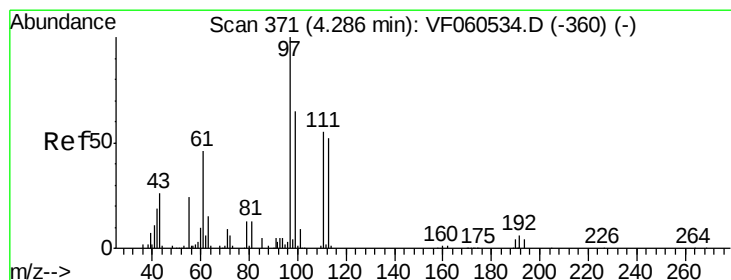
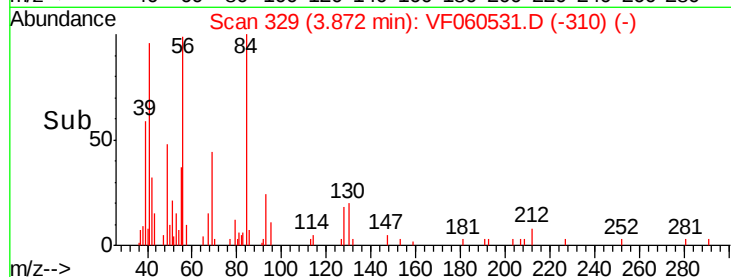
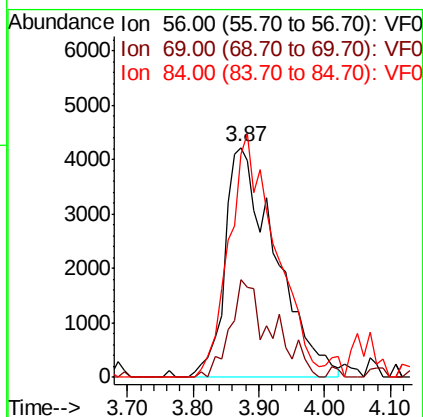
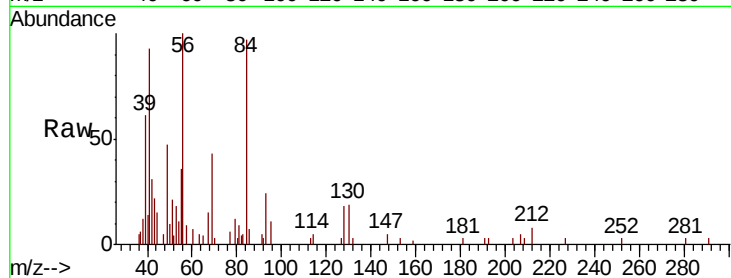




#31
Cyclohexane
Concen: 5.074 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

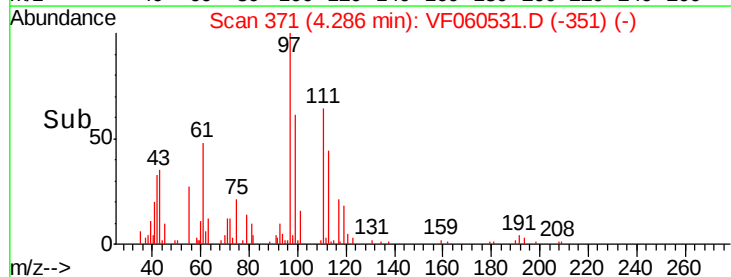
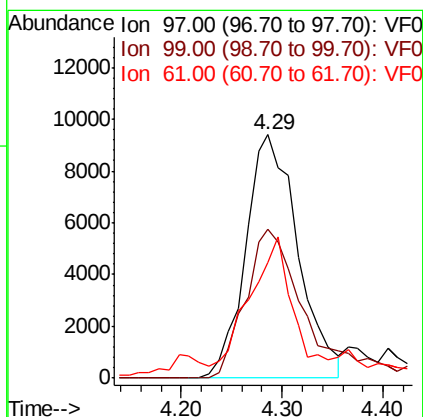
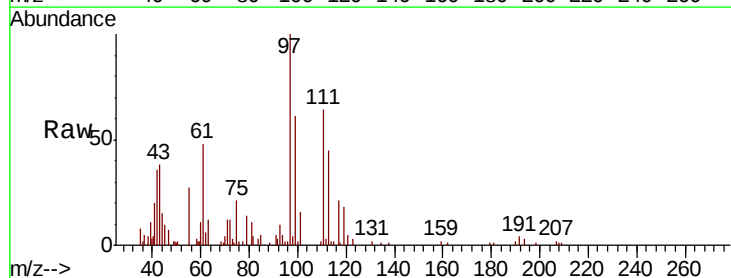
Instrument :
MSVOA_F
ClientSampled :

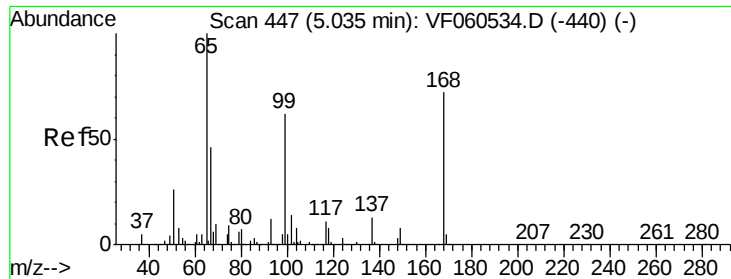
Tgt Ion: 56 Resp: 22692
Ion Ratio Lower Upper
56 100
69 42.7 25.0 37.6#
84 97.2 72.1 108.1



#32
1,1,1-Trichloroethane
Concen: 3.750 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Tgt Ion: 97 Resp: 33851
Ion Ratio Lower Upper
97 100
99 61.0 51.7 77.5
61 47.6 36.8 55.2

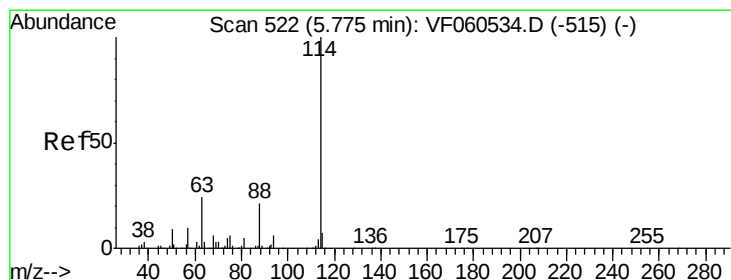
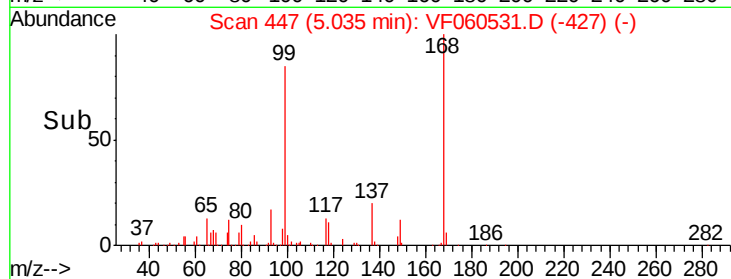
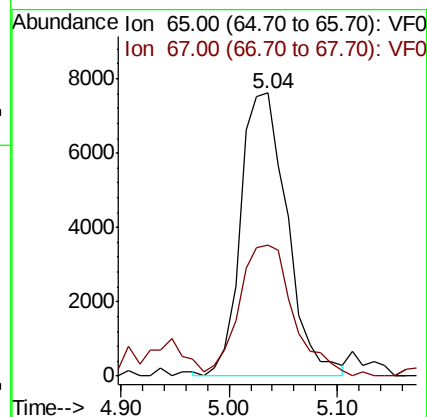
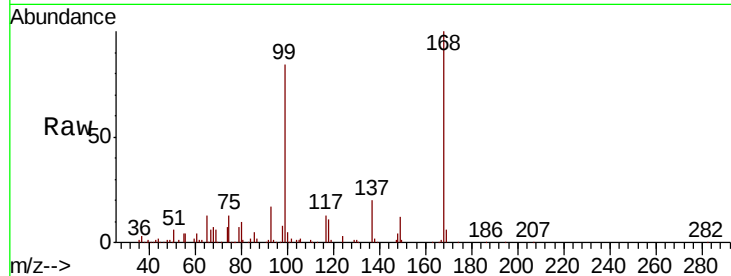




#33
 1,2-Dichloroethane-d4
 Concen: 4.159 ug/l
 RT: 5.04 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: VF060531.D
 Acq: 29 Oct 2018 16:27

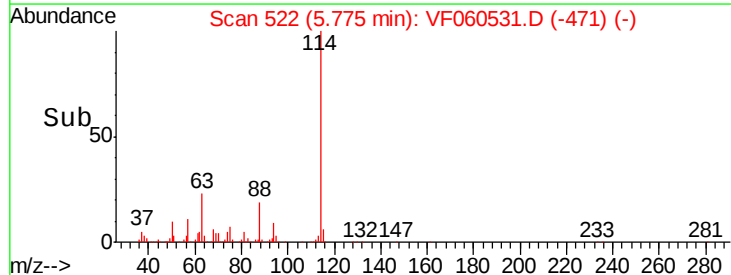
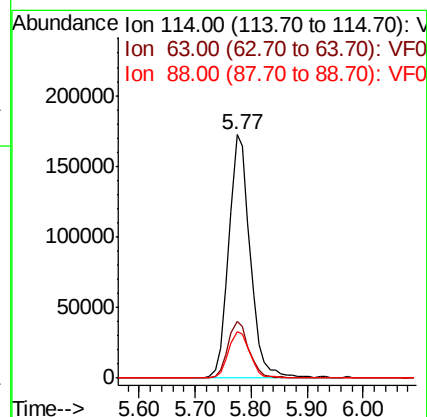
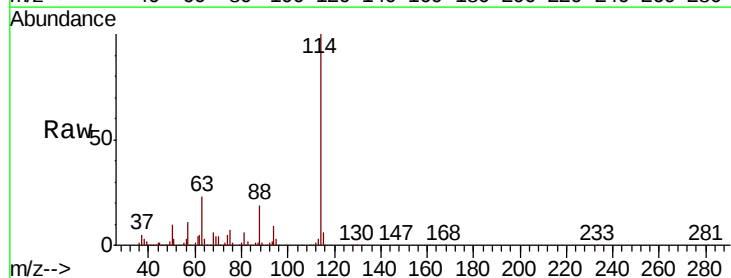
Instrument :
 MSVOA_F
 ClientSampled :

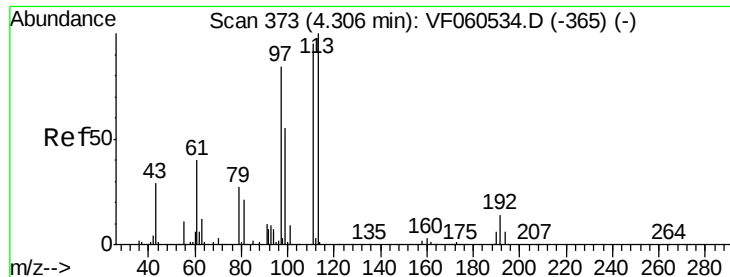
Tgt Ion: 65 Resp: 22858
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF060531.D
 Acq: 29 Oct 2018 16:27

Tgt Ion: 114 Resp: 459051
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 48.0
 88 19.3 0.0 42.0





#35

Dibromofluoromethane

Concen: 4.412 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :
MSVOA_F
ClientSampleId :

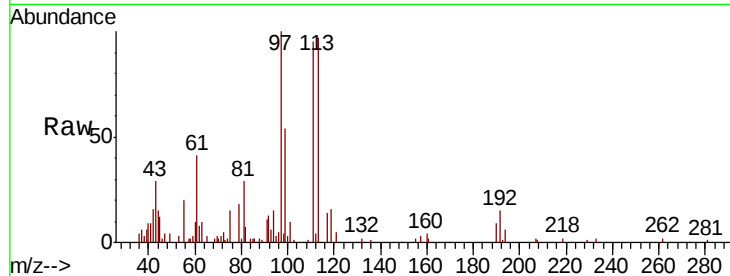
Tgt Ion:113 Resp: 23445

Ion Ratio Lower Upper

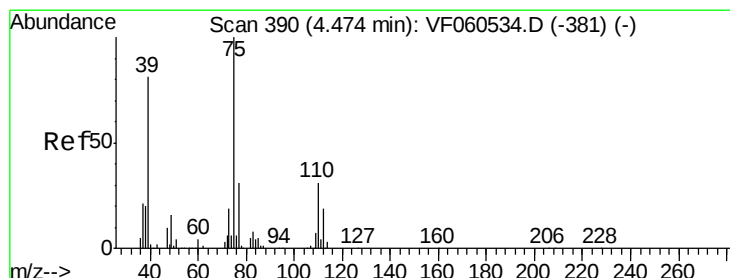
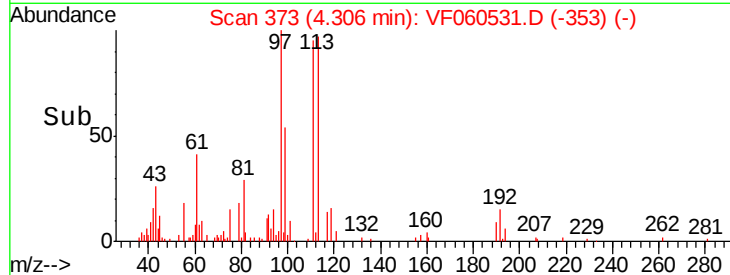
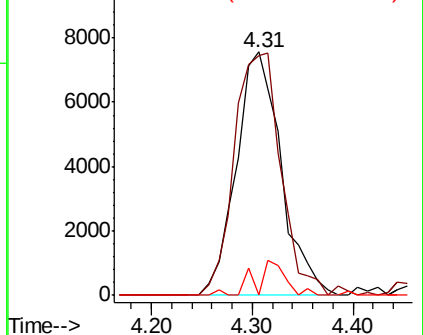
113 100

111 98.4 75.9 113.9

192 0.0 11.2 16.8#



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



#36

1,1-Dichloropropene

Concen: 4.137 ug/l

RT: 4.47 min Scan# 390

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

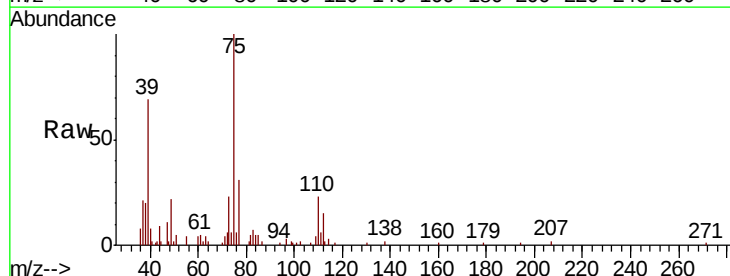
Tgt Ion: 75 Resp: 27551

Ion Ratio Lower Upper

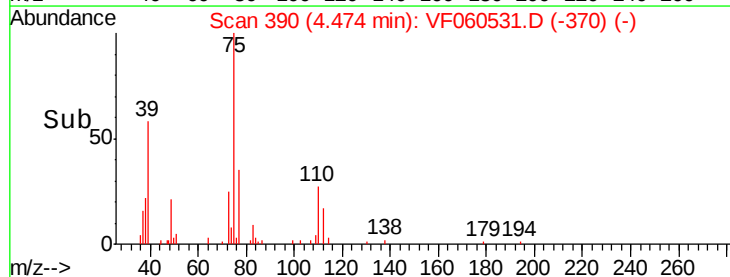
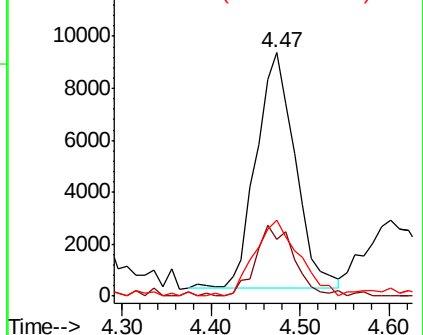
75 100

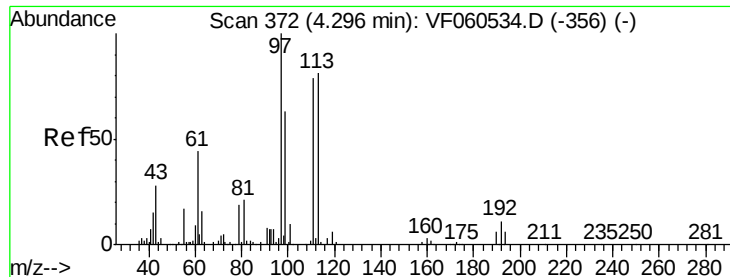
110 23.2 15.3 45.8

77 31.4 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 7.169 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.02 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :
MSVOA_F
ClientSampled :

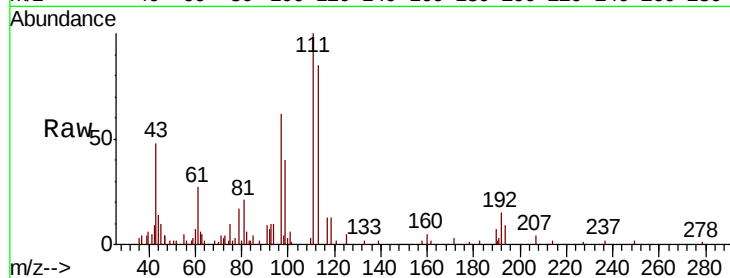
Tgt Ion: 43 Resp: 15748

Ion Ratio Lower Upper

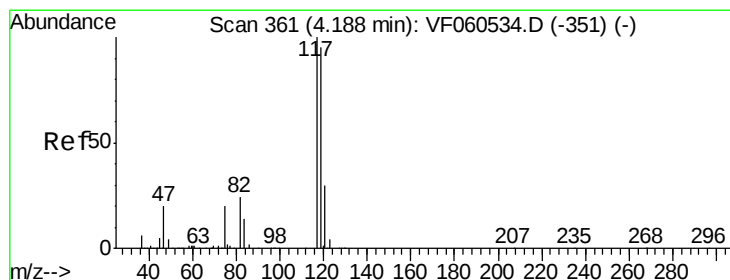
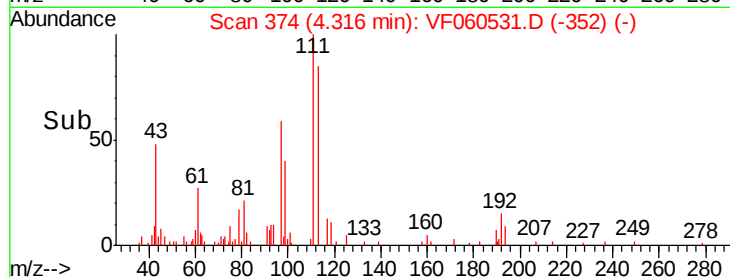
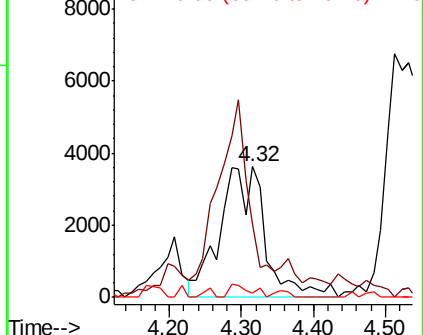
43 100

61 56.0 123.9 185.9#

70 2.9 7.3 10.9#



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



#38

Carbon Tetrachloride

Concen: 4.399 ug/l

RT: 4.18 min Scan# 360

Delta R.T. -0.01 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

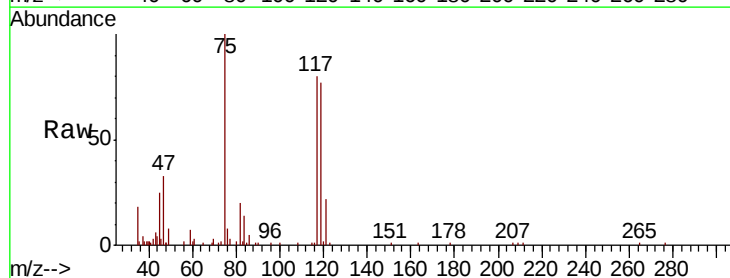
Tgt Ion: 117 Resp: 42645

Ion Ratio Lower Upper

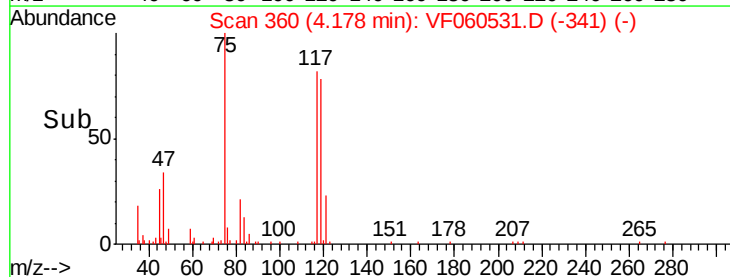
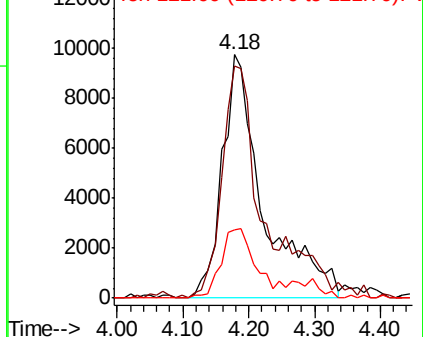
117 100

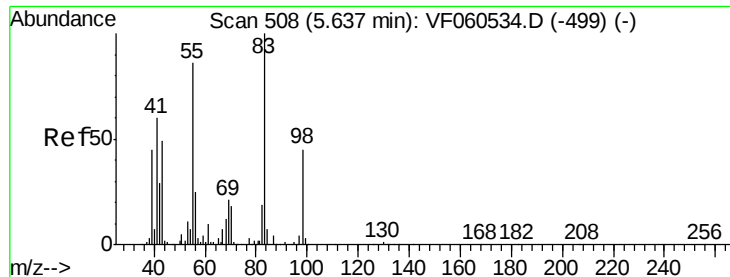
119 95.6 76.5 114.7

121 28.0 24.3 36.5



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

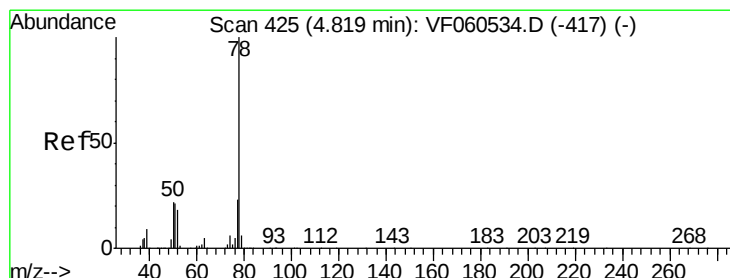
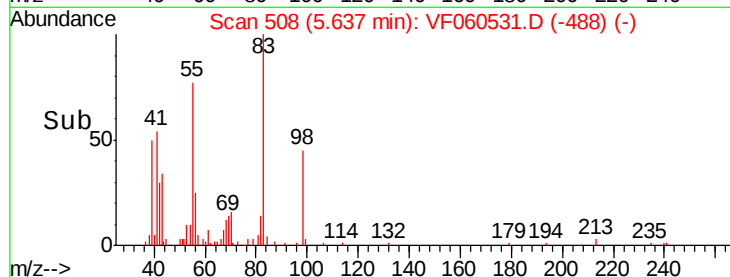
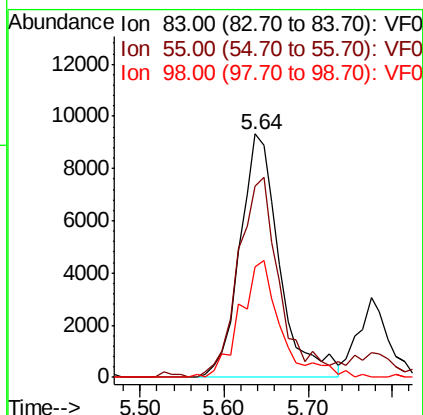
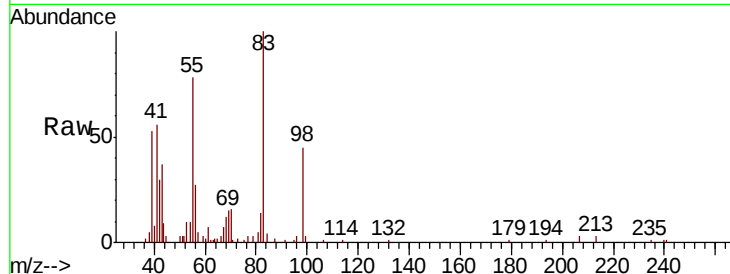




#39
Methylcyclohexane
Concen: 5.461 ug/l
RT: 5.64 min Scan# 508
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

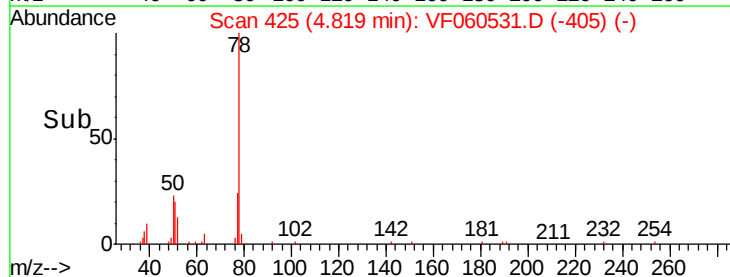
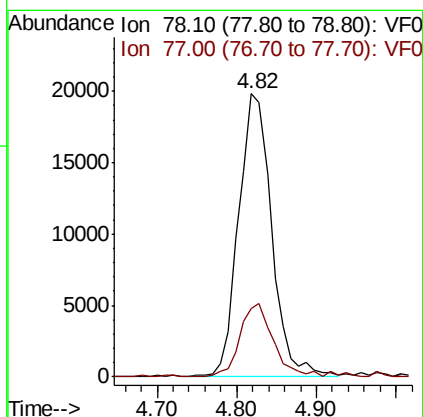
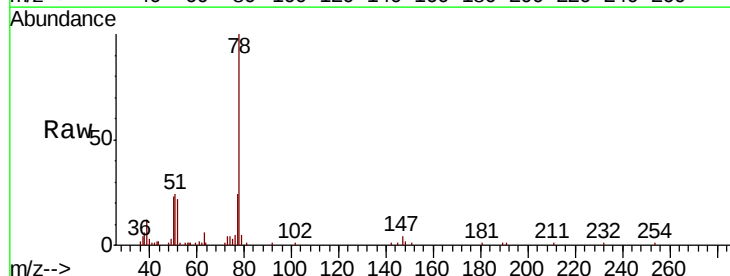
Instrument :
MSVOA_F
ClientSampleId :

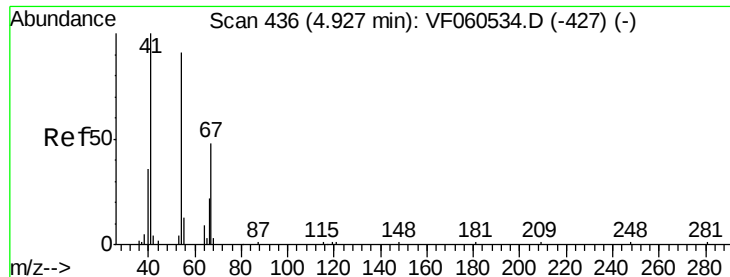
Tgt Ion: 83 Resp: 30614
Ion Ratio Lower Upper
83 100
55 78.4 69.0 103.4
98 45.5 36.1 54.1



#40
Benzene
Concen: 5.048 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Tgt Ion: 78 Resp: 57173
Ion Ratio Lower Upper
78 100
77 23.9 18.5 27.7





#41

Methacrylonitrile

Concen: 7.233 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.01 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

Tgt Ion: 41 Resp: 8178

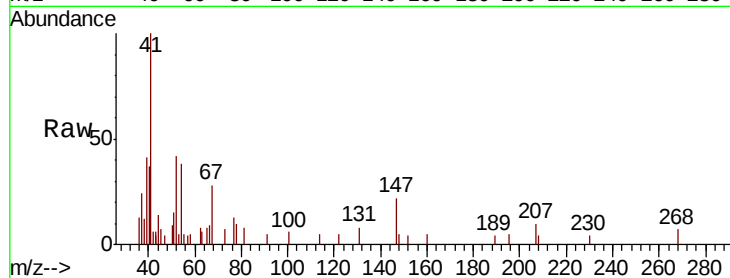
Ion Ratio Lower Upper

41 100

39 41.4 51.0 76.6#

67 27.6 38.0 57.0#

52 42.3 40.6 61.0

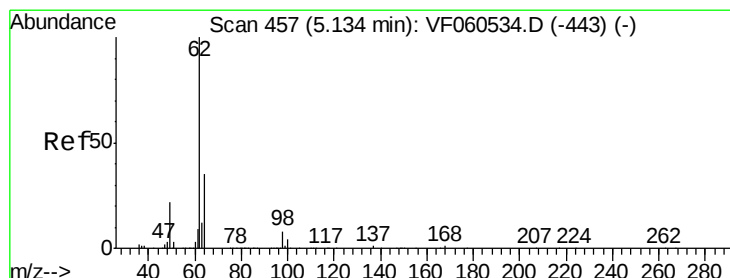
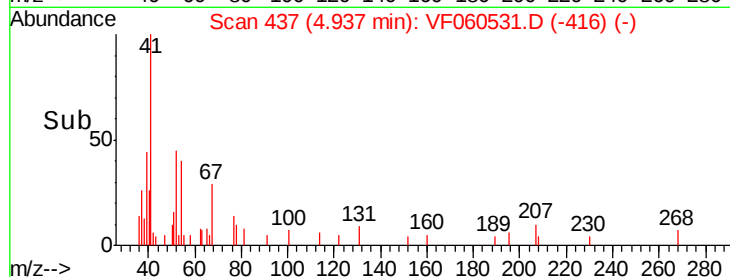
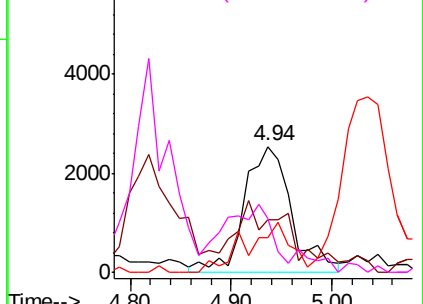


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 4.293 ug/l

RT: 5.12 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF060531.D

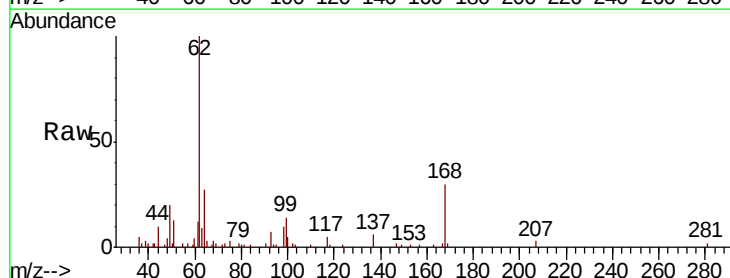
Acq: 29 Oct 2018 16:27

Tgt Ion: 62 Resp: 29667

Ion Ratio Lower Upper

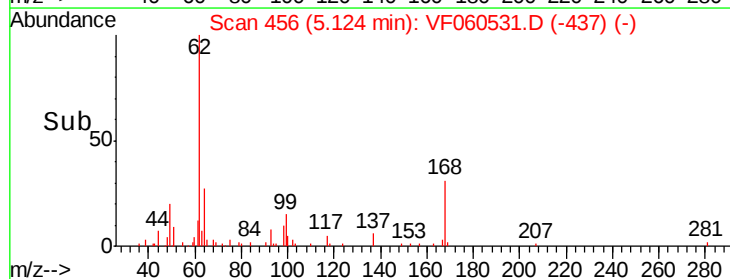
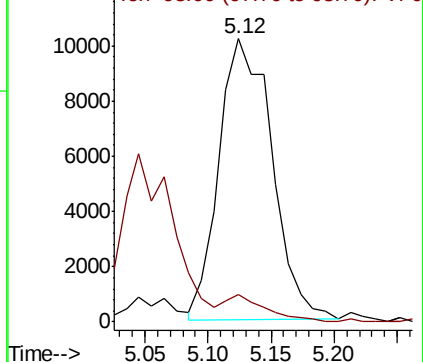
62 100

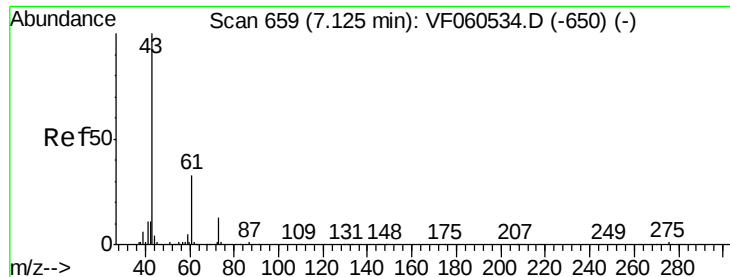
98 9.8 0.0 15.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 5.673 ug/l

RT: 7.13 min Scan# 659

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

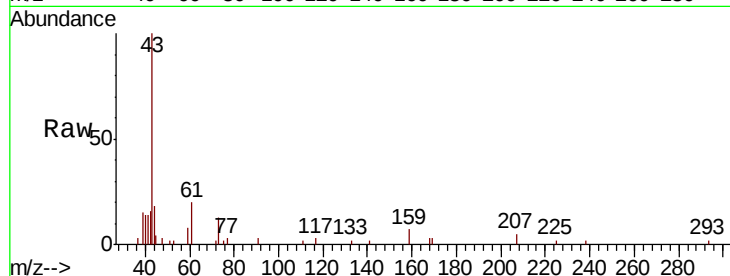
Tgt Ion: 43 Resp: 13435

Ion Ratio Lower Upper

43 100

61 20.2 26.6 40.0#

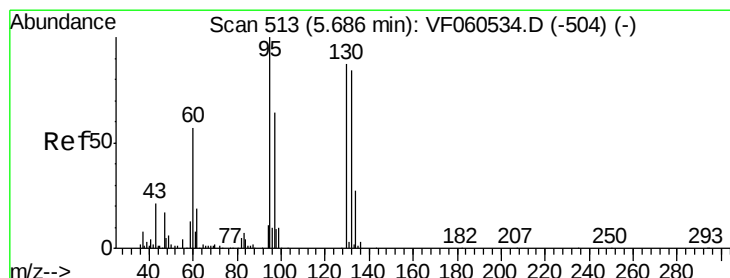
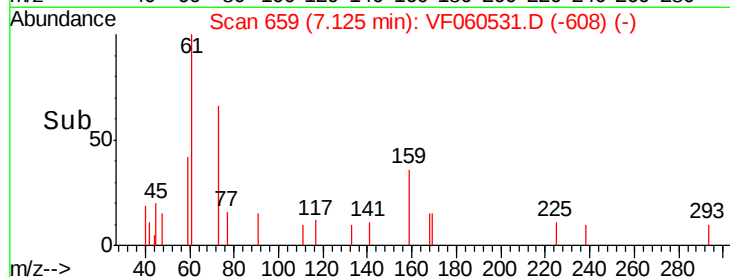
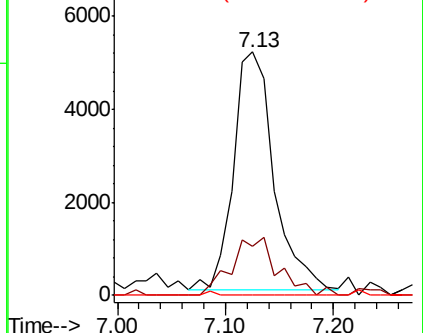
87 0.0 0.6 1.0#



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: 5.122 ug/l

RT: 5.69 min Scan# 513

Delta R.T. -0.00 min

Lab File: VF060531.D

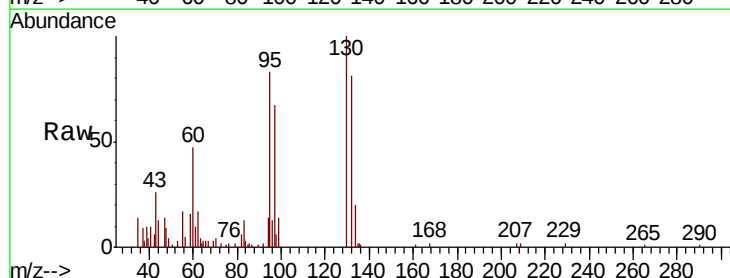
Acq: 29 Oct 2018 16:27

Tgt Ion: 130 Resp: 19882

Ion Ratio Lower Upper

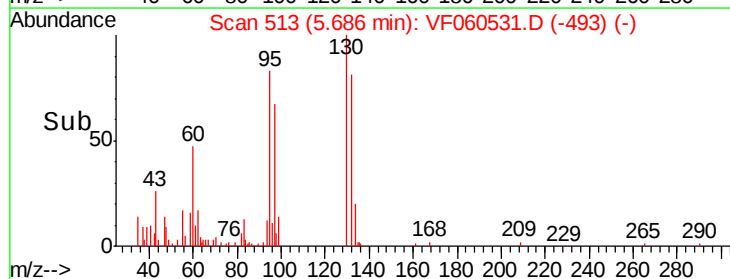
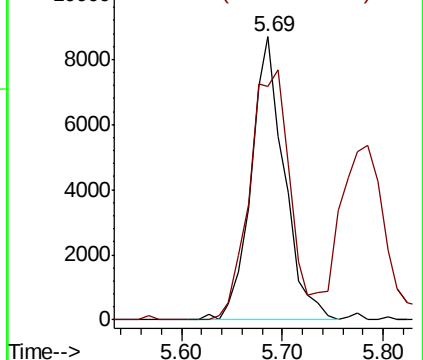
130 100

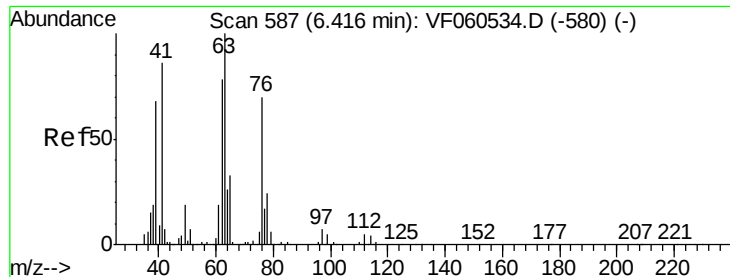
95 82.7 0.0 229.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 5.273 ug/l

RT: 6.42 min Scan# 587

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

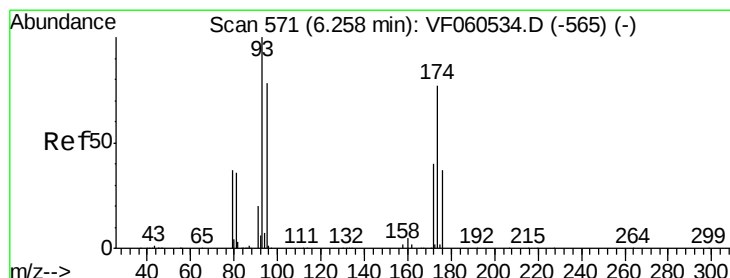
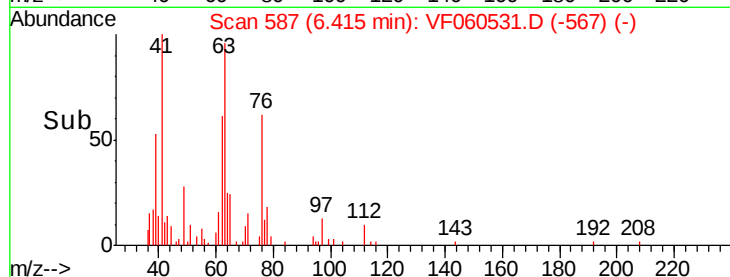
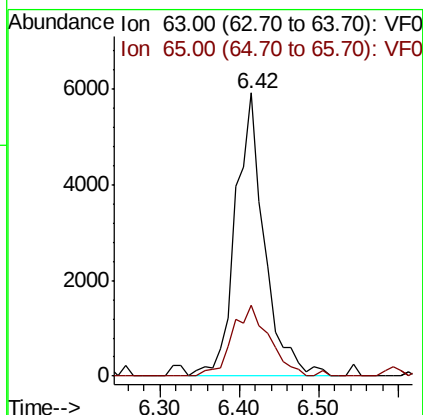
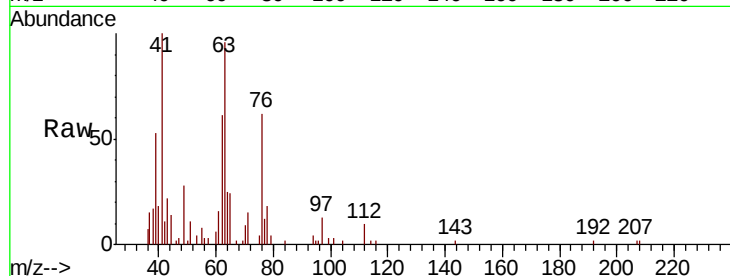
ClientSampleId :

Tgt Ion: 63 Resp: 14963

Ion Ratio Lower Upper

63 100

65 25.2 26.5 39.7#



#46

Dibromomethane

Concen: 4.672 ug/l

RT: 6.27 min Scan# 572

Delta R.T. 0.01 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

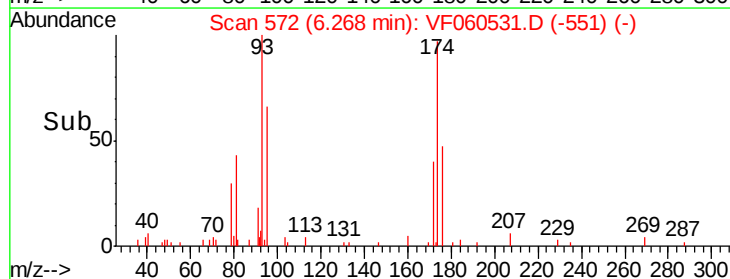
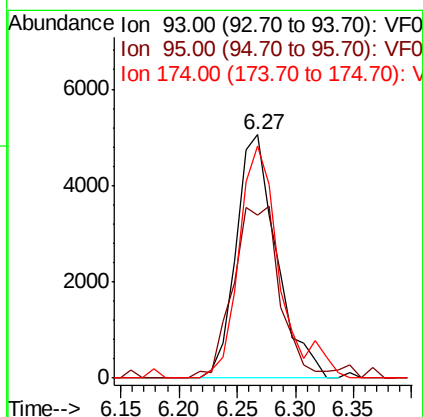
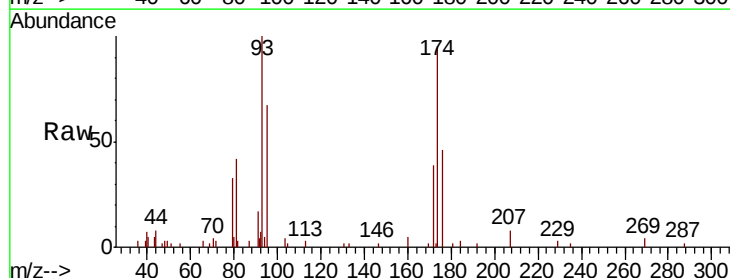
Tgt Ion: 93 Resp: 12185

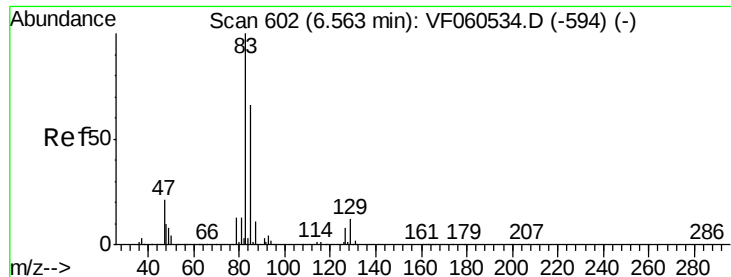
Ion Ratio Lower Upper

93 100

95 66.8 64.3 96.5

174 95.2 63.3 94.9#





#47

Bromodichloromethane

Concen: 4.348 ug/l

RT: 6.56 min Scan# 602

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

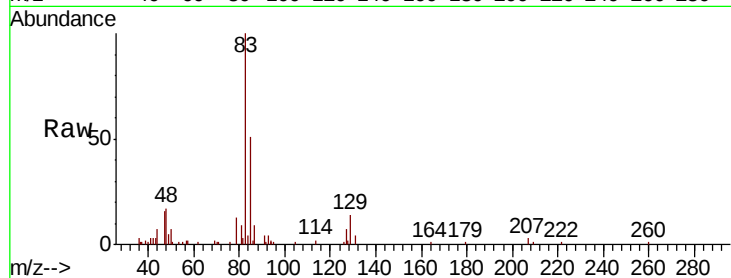
Tgt Ion: 83 Resp: 31324

Ion Ratio Lower Upper

83 100

85 51.4 52.7 79.1#

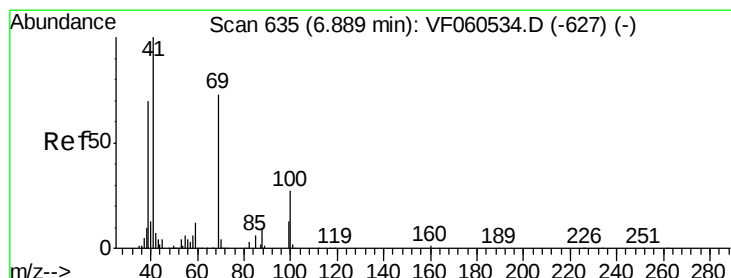
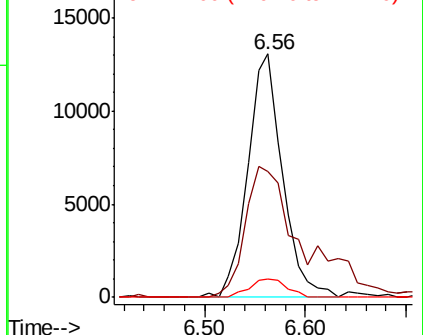
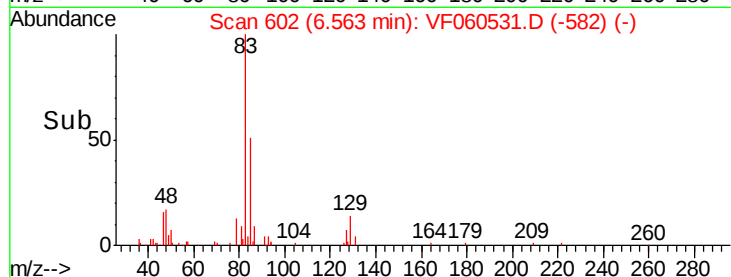
127 7.3 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 4.796 ug/l

RT: 6.89 min Scan# 635

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

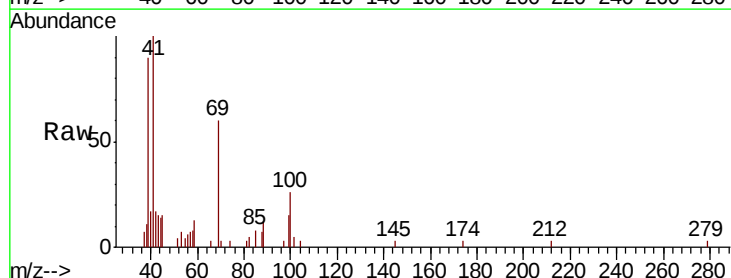
Tgt Ion: 41 Resp: 8410

Ion Ratio Lower Upper

41 100

69 59.5 58.4 87.6

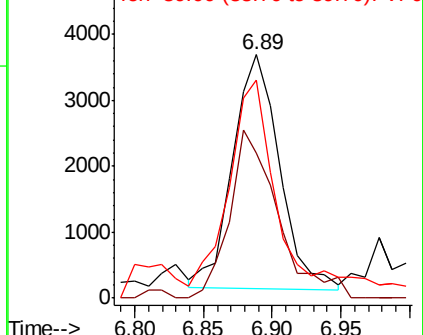
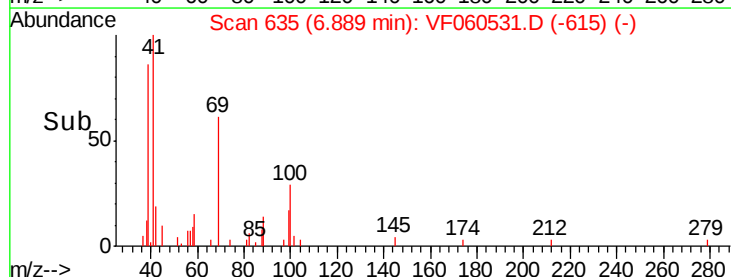
39 89.7 56.4 84.6#

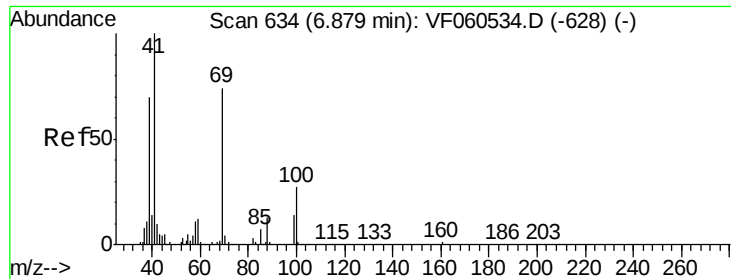


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

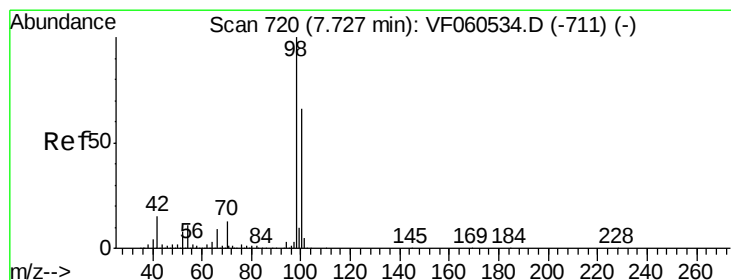
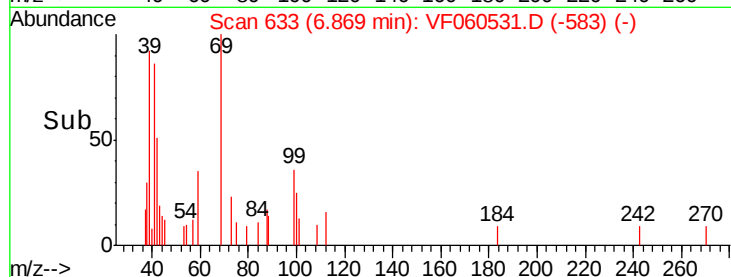
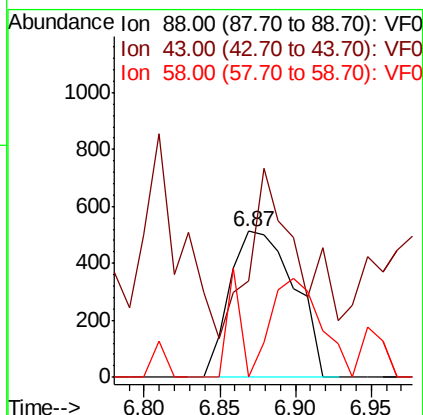
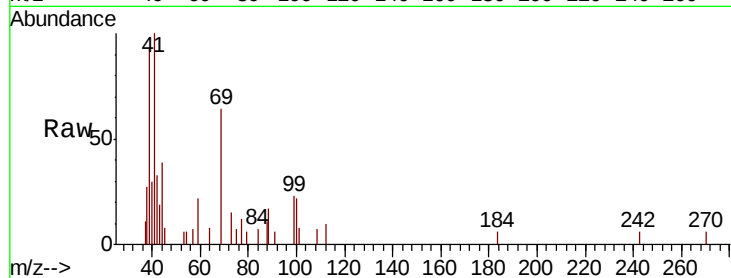




#49
 1,4-Dioxane
 Concen: 98.925 ug/l
 RT: 6.87 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VF060531.D
 Acq: 29 Oct 2018 16:27

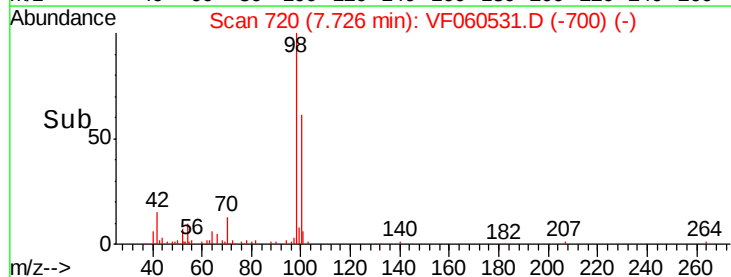
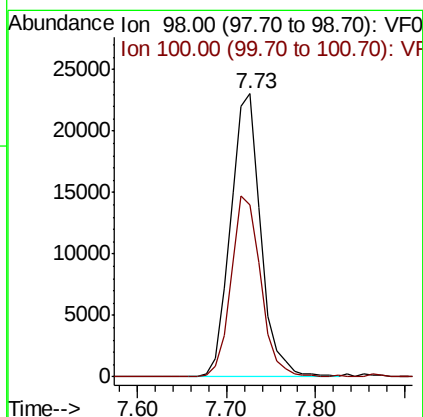
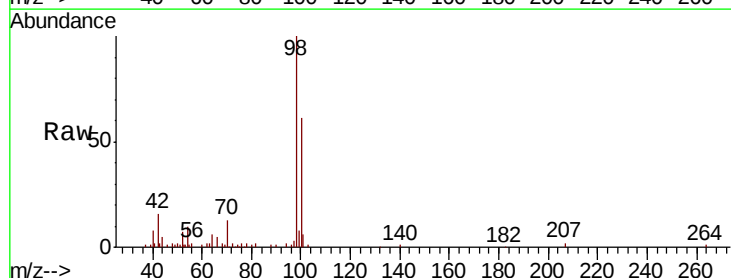
Instrument :
 MSVOA_F
 ClientSampleId :

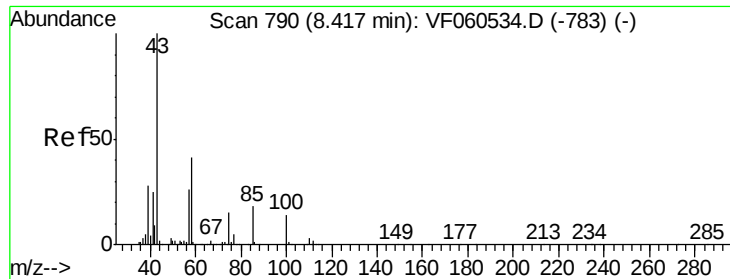
Tgt Ion: 88 Resp: 1528
 Ion Ratio Lower Upper
 88 100
 43 65.8 49.7 74.5
 58 0.0 67.7 101.5#



#50
 Toluene-d8
 Concen: 4.936 ug/l
 RT: 7.73 min Scan# 720
 Delta R.T. -0.00 min
 Lab File: VF060531.D
 Acq: 29 Oct 2018 16:27

Tgt Ion: 98 Resp: 54641
 Ion Ratio Lower Upper
 98 100
 100 60.9 53.0 79.6

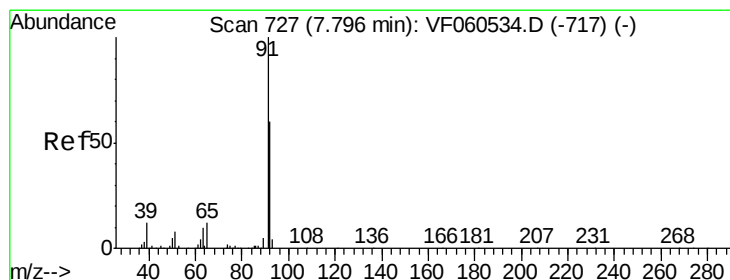
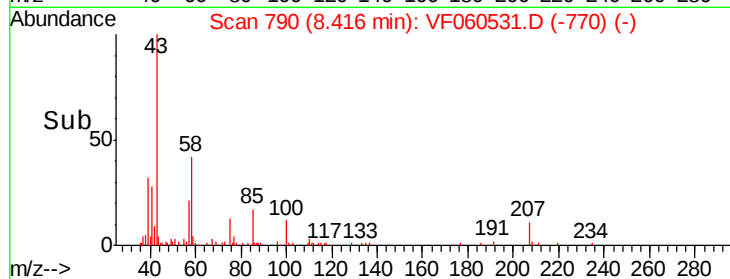
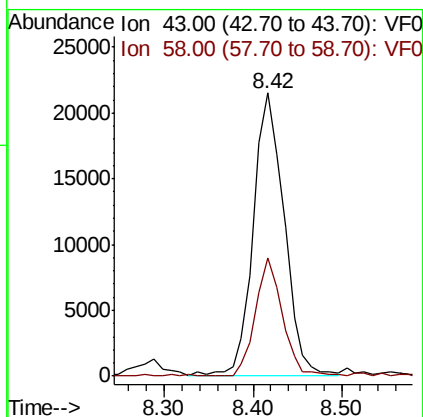
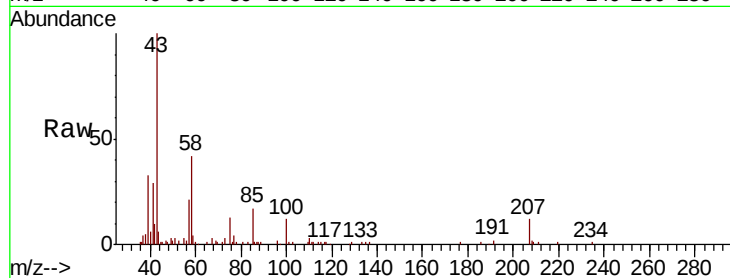




#51
 4-Methyl-2-Pentanone
 Concen: 28.749 ug/l
 RT: 8.42 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: VF060531.D
 Acq: 29 Oct 2018 16:27

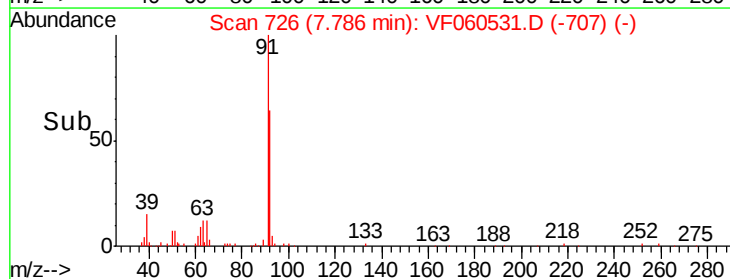
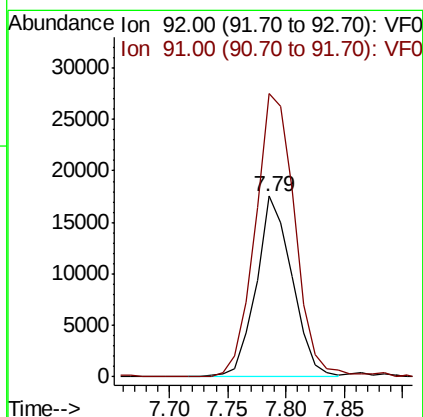
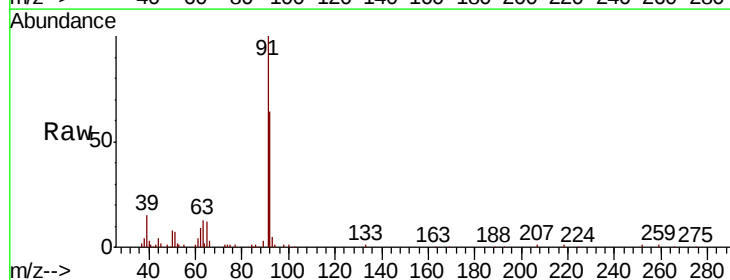
Instrument :
 MSVOA_F
 ClientSampleId :

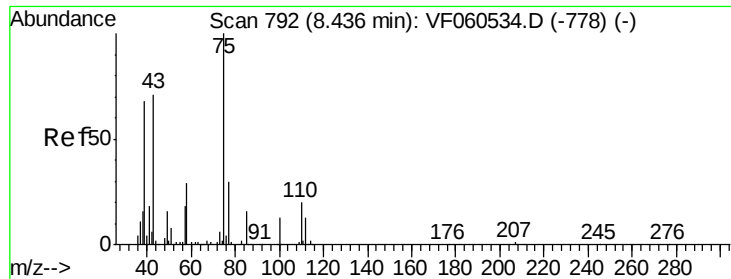
Tgt Ion: 43 Resp: 51829
 Ion Ratio Lower Upper
 43 100
 58 41.8 32.6 49.0



#52
 Toluene
 Concen: 5.014 ug/l
 RT: 7.79 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: VF060531.D
 Acq: 29 Oct 2018 16:27

Tgt Ion: 92 Resp: 37384
 Ion Ratio Lower Upper
 92 100
 91 156.5 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 4.855 ug/l

RT: 8.44 min Scan# 792

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

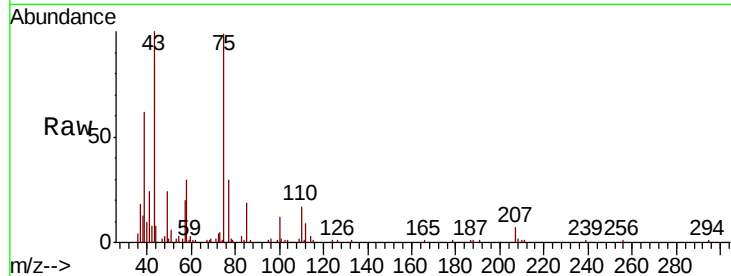
Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 75 Resp: 26162

Ion Ratio Lower Upper

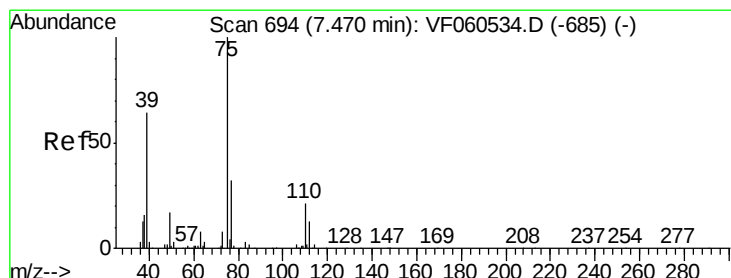
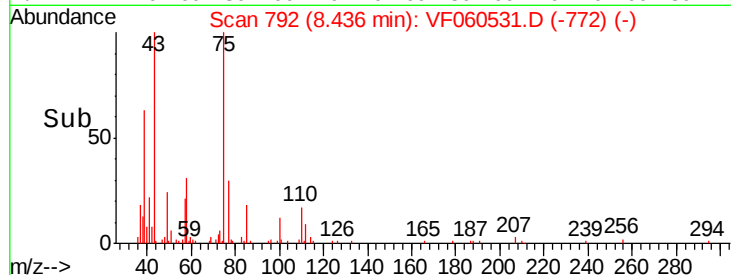
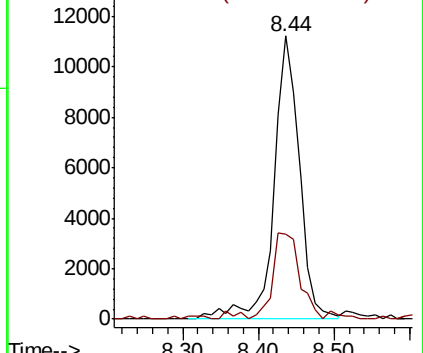
75 100

77 30.0 24.2 36.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 4.662 ug/l

RT: 7.47 min Scan# 694

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

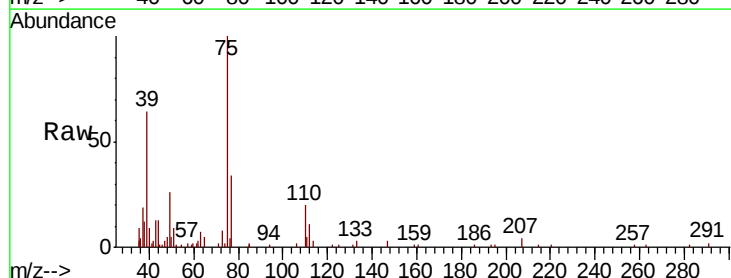
Tgt Ion: 75 Resp: 26301

Ion Ratio Lower Upper

75 100

77 34.4 25.7 38.5

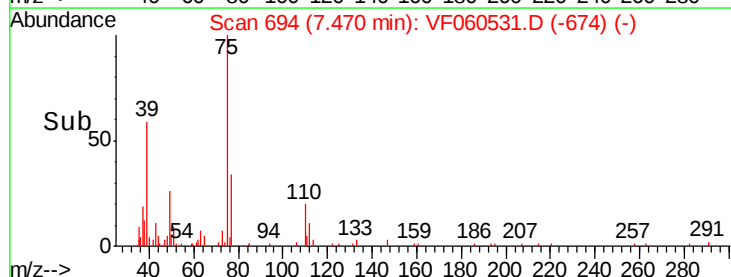
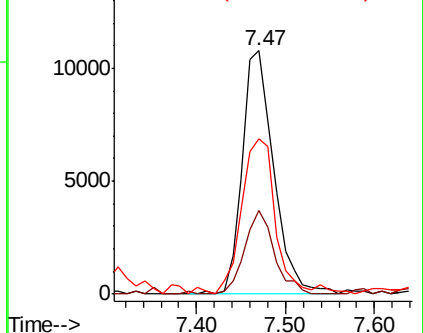
39 63.9 51.5 77.3

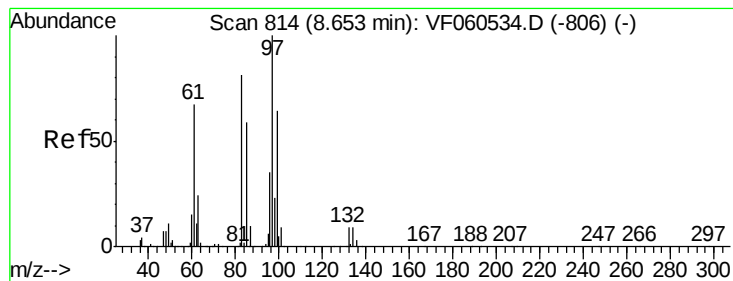


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 4.926 ug/l

RT: 8.64 min Scan# 813

Delta R.T. -0.01 min

Lab File: VF060531.D

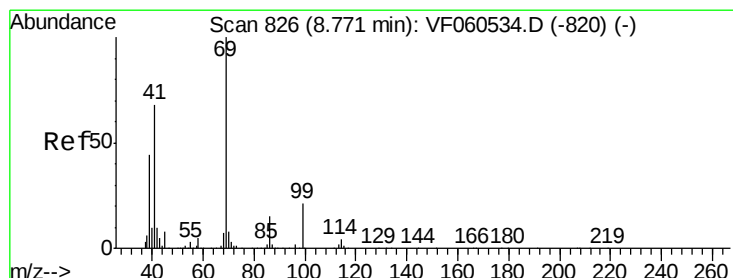
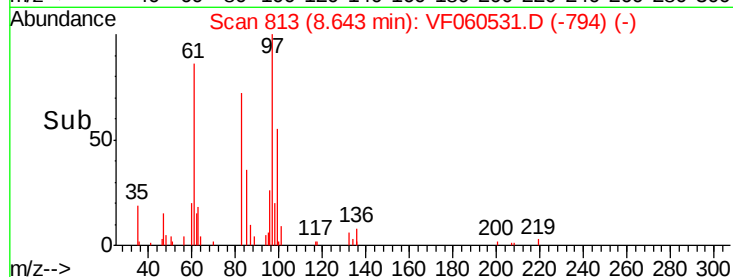
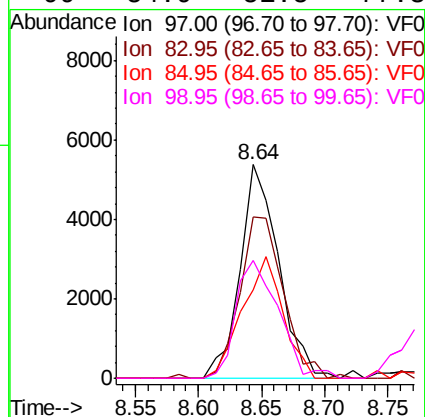
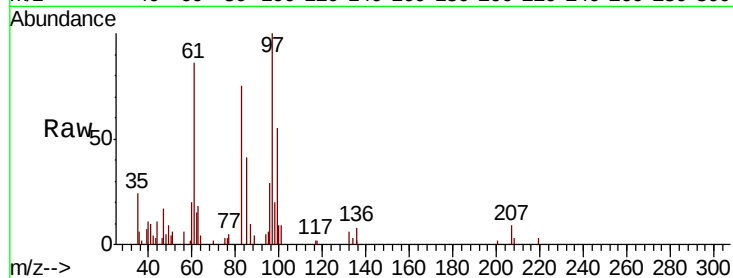
Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

Tgt Ion:	97	Resp:	11415
Ion	Ratio	Lower	Upper
97	100		
83	75.4	65.3	97.9
85	41.1	47.6	71.4#
99	54.9	51.5	77.3



#56

Ethyl methacrylate

Concen: 5.047 ug/l

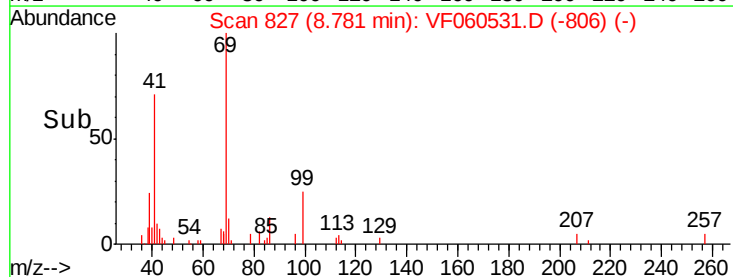
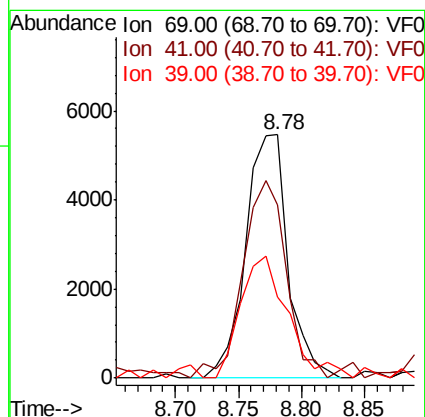
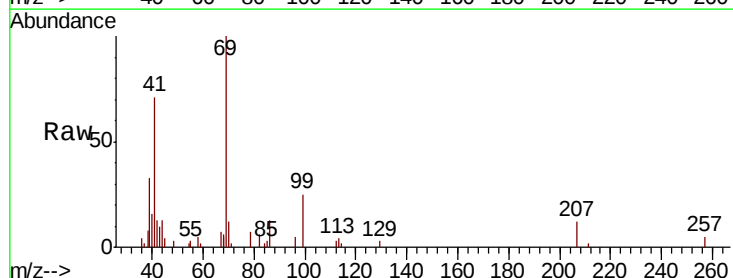
RT: 8.78 min Scan# 827

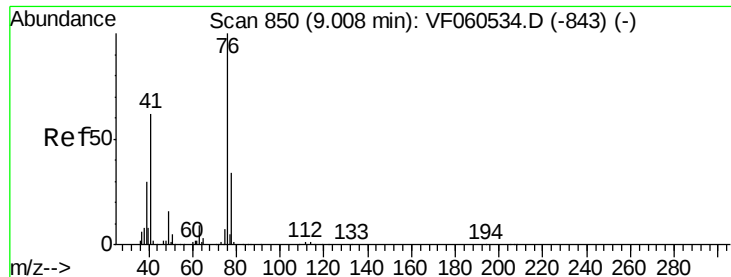
Delta R.T. 0.01 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Tgt Ion:	69	Resp:	12776
Ion	Ratio	Lower	Upper
69	100		
41	71.0	55.0	82.6
39	33.3	35.1	52.7#





#57

1,3-Dichloropropane

Concen: 4.909 ug/l

RT: 9.01 min Scan# 850

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

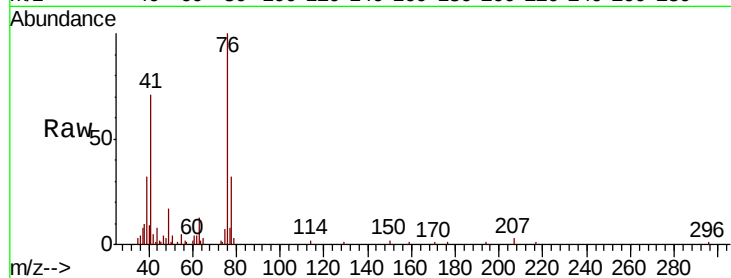
ClientSampleId :

Tgt Ion: 76 Resp: 20134

Ion Ratio Lower Upper

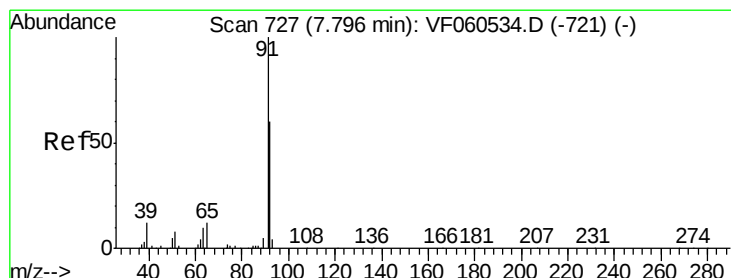
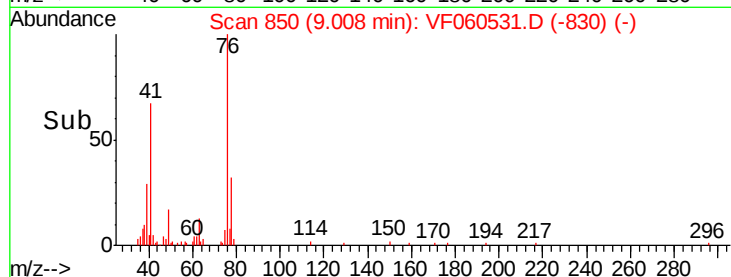
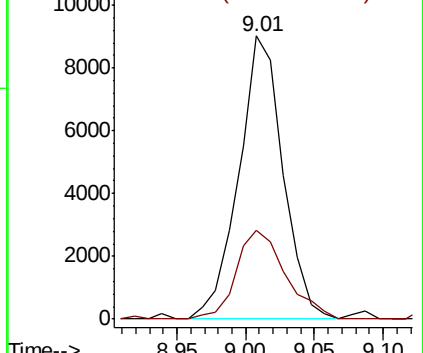
76 100

78 31.5 27.3 40.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 24.517 ug/l

RT: 7.79 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF060531.D

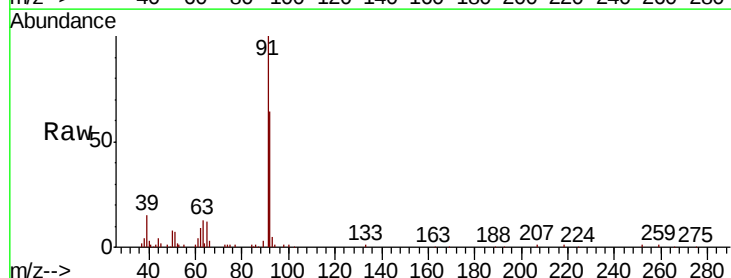
Acq: 29 Oct 2018 16:27

Tgt Ion: 63 Resp: 8010

Ion Ratio Lower Upper

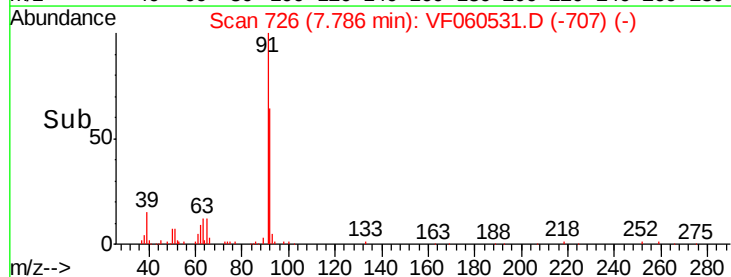
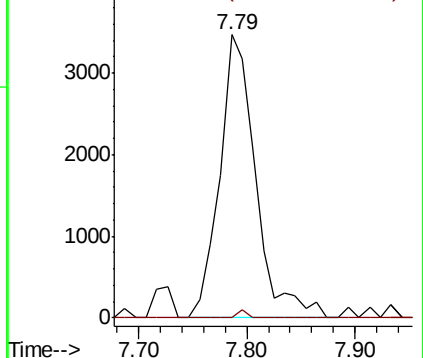
63 100

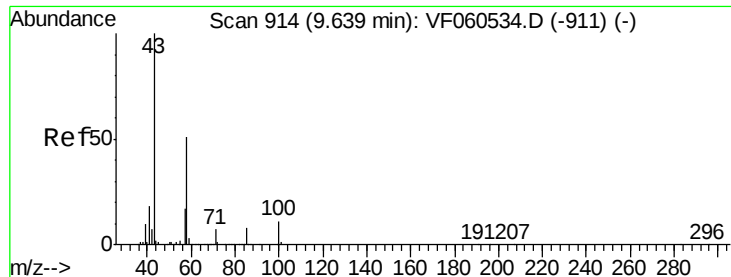
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

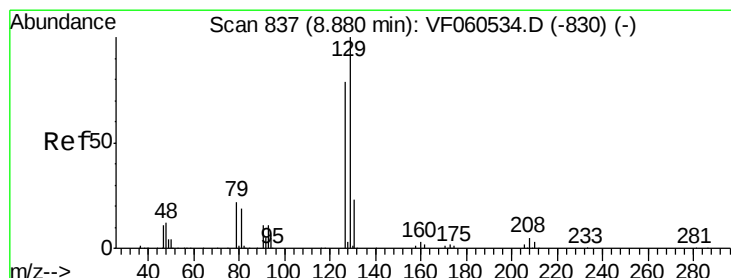
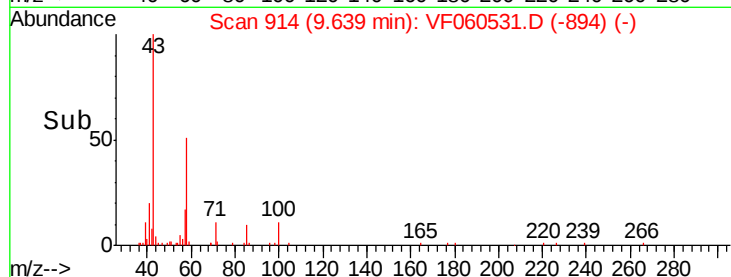
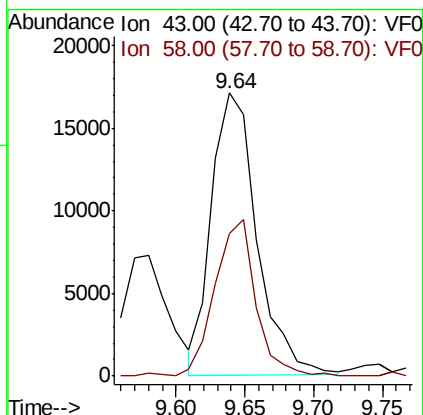
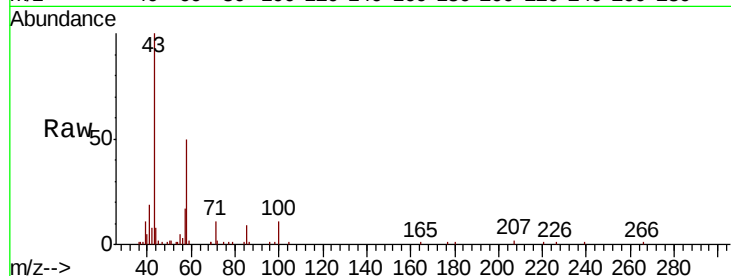




#59
2-Hexanone
Concen: 29.111 ug/l
RT: 9.64 min Scan# 914
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

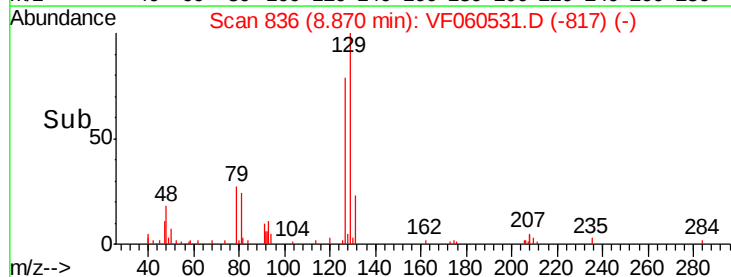
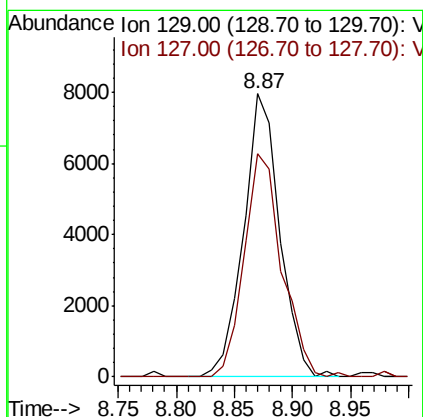
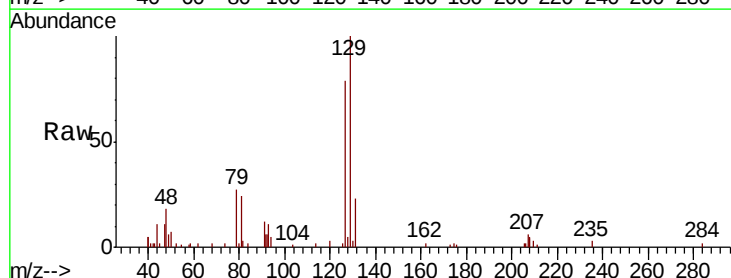
Instrument :
MSVOA_F
ClientSampleId :

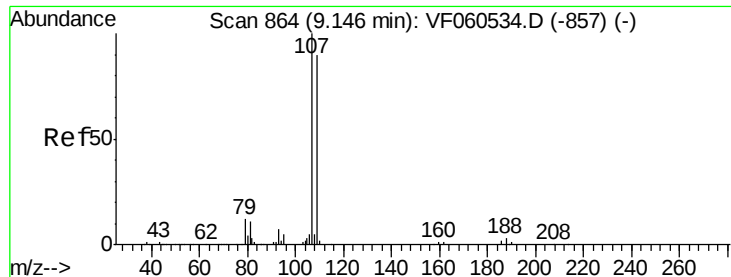
Tgt Ion: 43 Resp: 39089
Ion Ratio Lower Upper
43 100
58 50.4 24.1 72.3



#60
Dibromochloromethane
Concen: 3.971 ug/l
RT: 8.87 min Scan# 836
Delta R.T. -0.01 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Tgt Ion: 129 Resp: 17087
Ion Ratio Lower Upper
129 100
127 79.0 39.6 119.0





#61

1,2-Dibromoethane

Concen: 4.641 ug/l

RT: 9.15 min Scan# 864

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

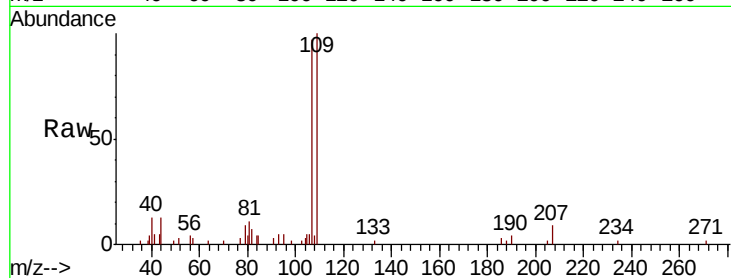
ClientSampleId :

Tgt Ion:107 Resp: 12714

Ion Ratio Lower Upper

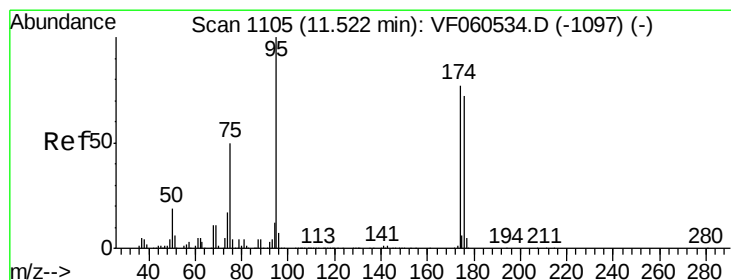
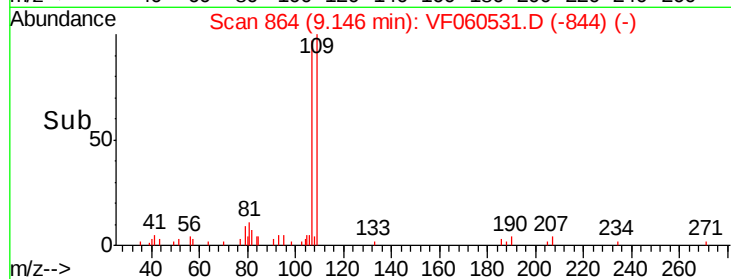
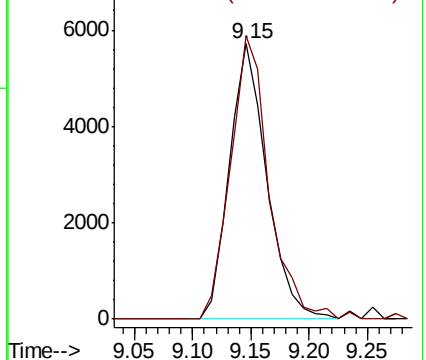
107 100

109 102.8 72.2 108.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 4.115 ug/l

RT: 11.52 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

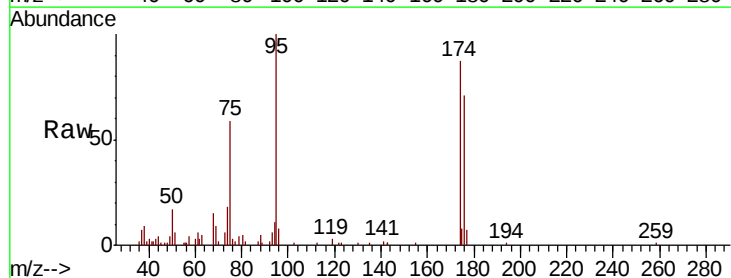
Tgt Ion: 95 Resp: 24654

Ion Ratio Lower Upper

95 100

174 86.5 0.0 153.8

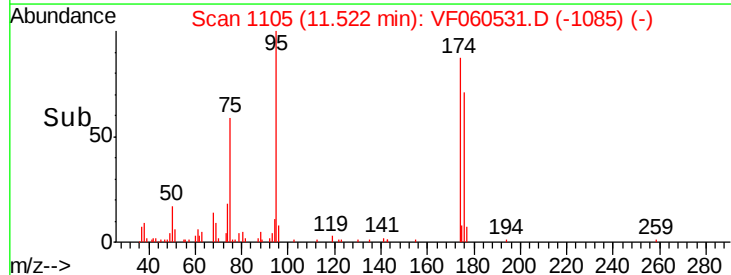
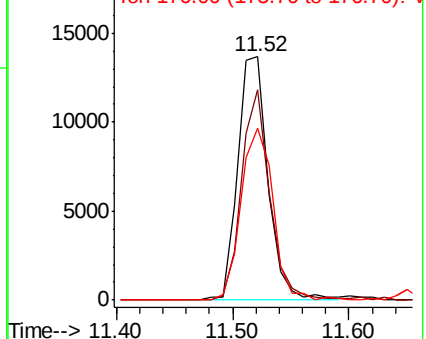
176 70.6 0.0 143.6

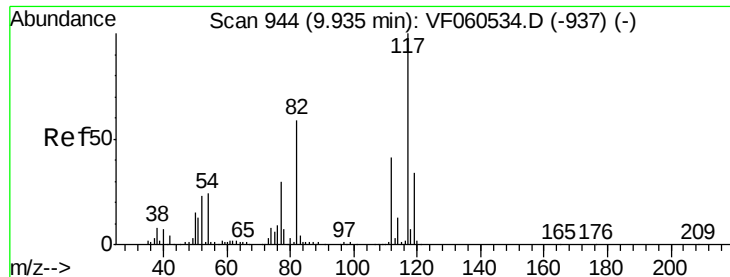


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

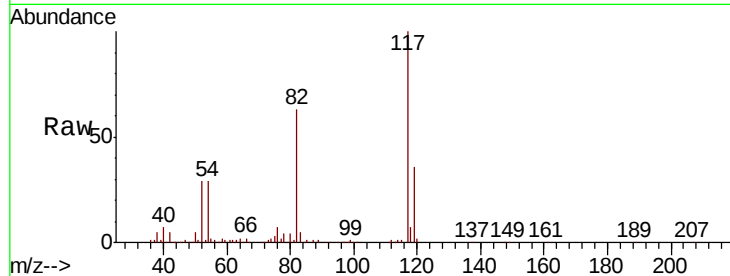




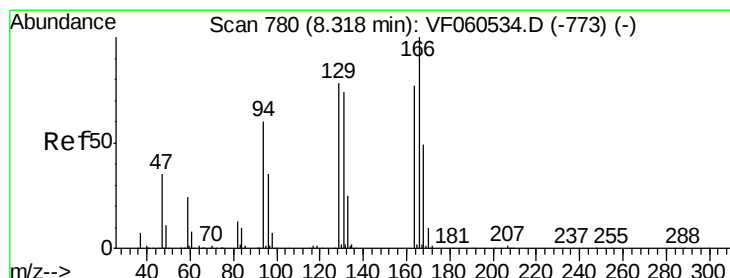
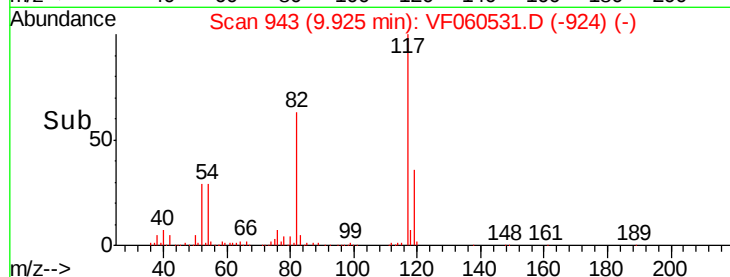
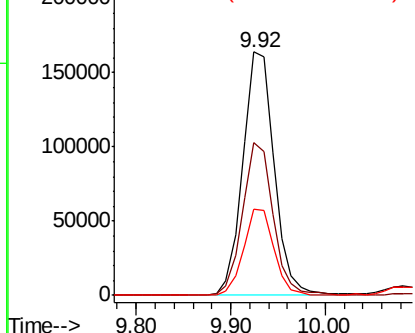
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Instrument :
MSVOA_F
ClientSampled :

Tgt Ion:117 Resp: 378979
Ion Ratio Lower Upper
117 100
82 62.7 47.6 71.4
119 35.5 27.3 40.9

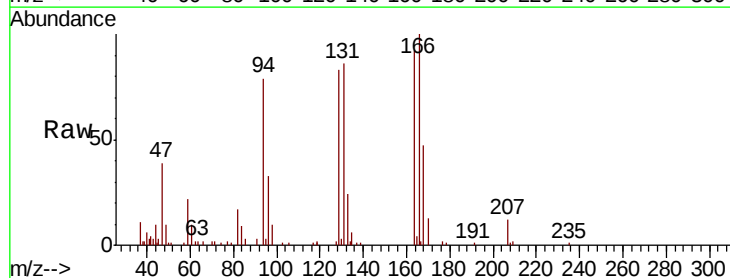


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

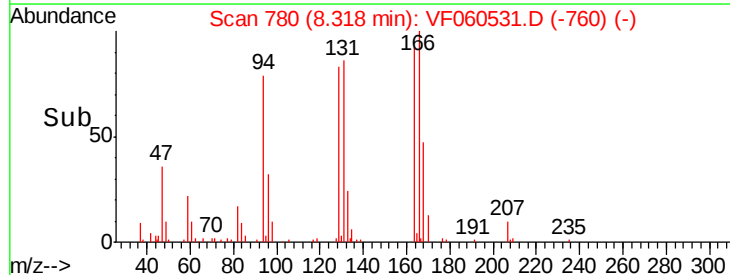
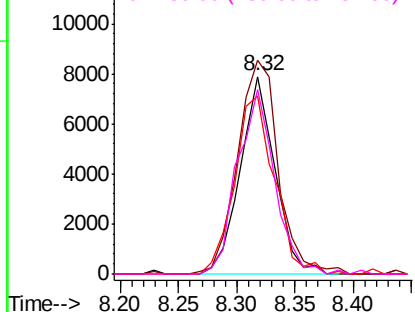


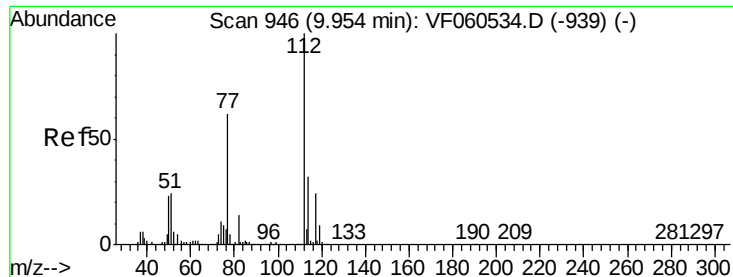
#64
Tetrachloroethene
Concen: 5.018 ug/l
RT: 8.32 min Scan# 780
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Tgt Ion:164 Resp: 16381
Ion Ratio Lower Upper
164 100
166 108.1 103.4 155.2
129 90.2 80.7 121.1
131 93.2 76.3 114.5



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

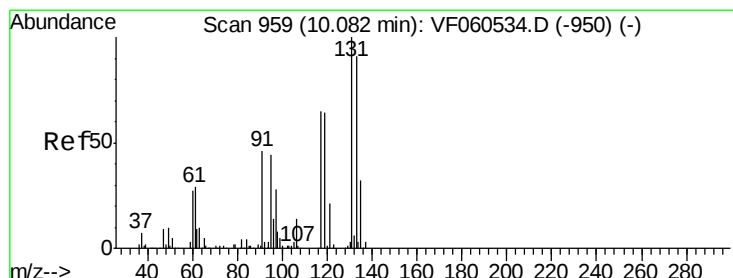
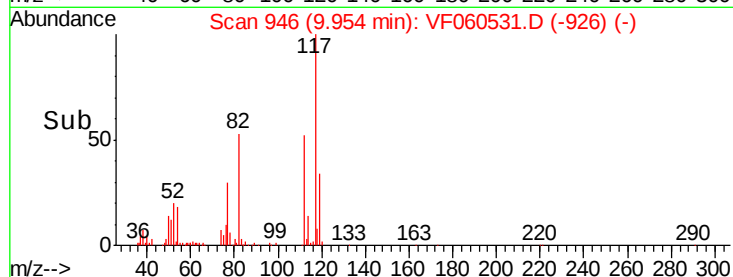
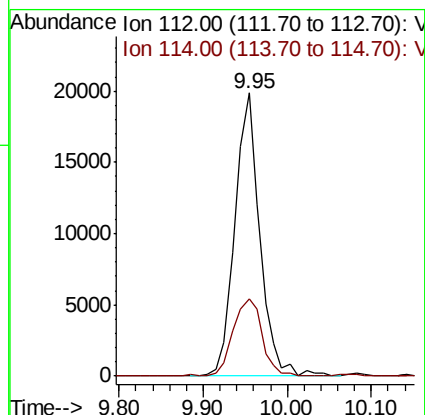
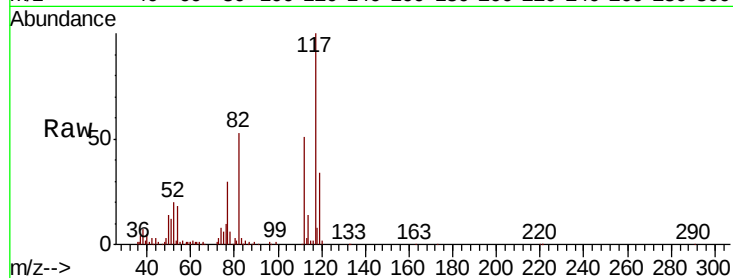




#65
Chlorobenzene
Concen: 5.086 ug/l
RT: 9.95 min Scan# 946
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

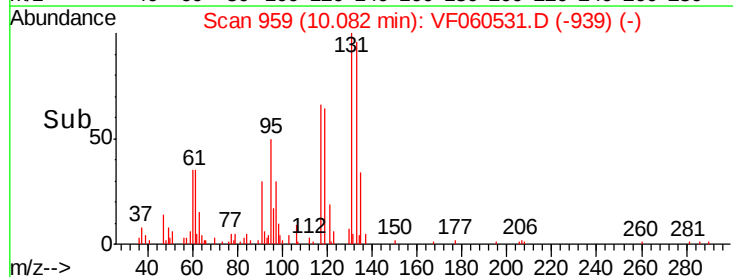
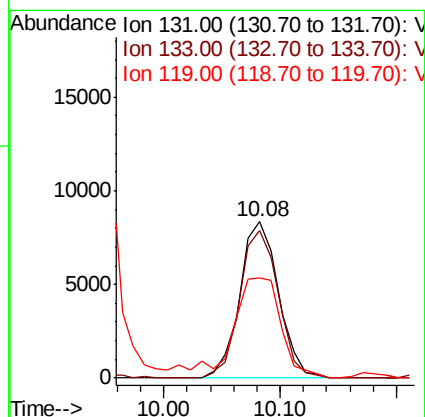
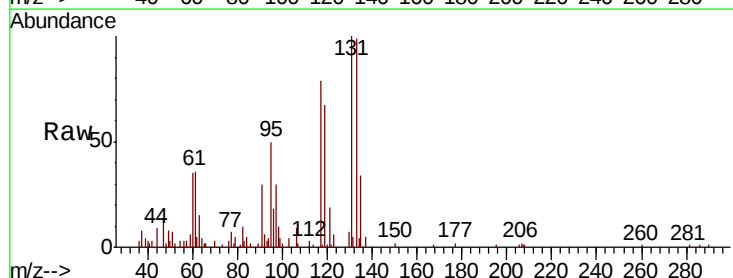
Instrument :
MSVOA_F
ClientSampleId :

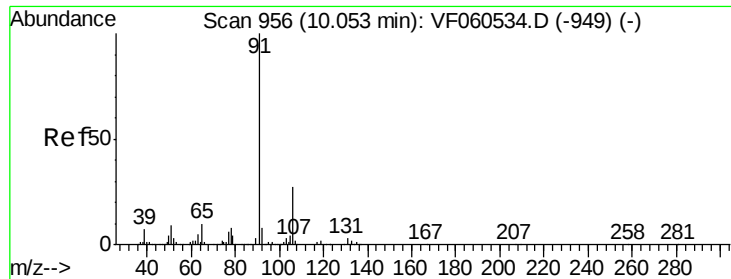
Tgt Ion:112 Resp: 40902
Ion Ratio Lower Upper
112 100
114 27.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 4.797 ug/l
RT: 10.08 min Scan# 959
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Tgt Ion:131 Resp: 19267
Ion Ratio Lower Upper
131 100
133 94.5 45.8 137.3
119 63.7 32.4 97.0





#67

Ethyl Benzene

Concen: 4.777 ug/l

RT: 10.05 min Scan# 956

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

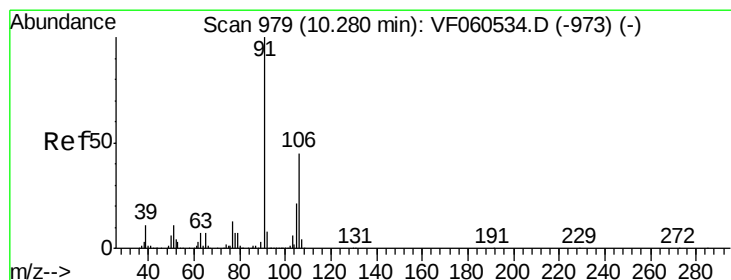
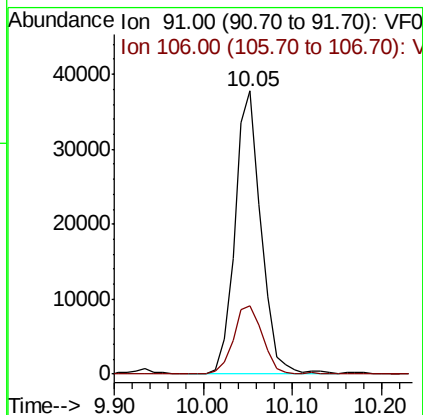
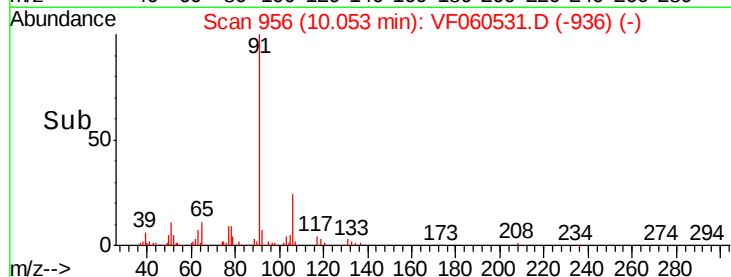
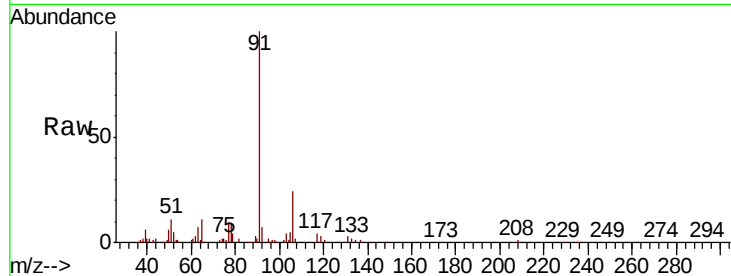
ClientSampleId :

Tgt Ion: 91 Resp: 77266

Ion Ratio Lower Upper

91 100

106 24.1 21.9 32.9



#68

m/p-Xylenes

Concen: 10.950 ug/l

RT: 10.28 min Scan# 979

Delta R.T. -0.00 min

Lab File: VF060531.D

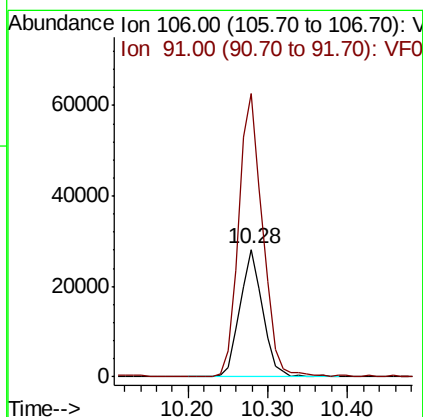
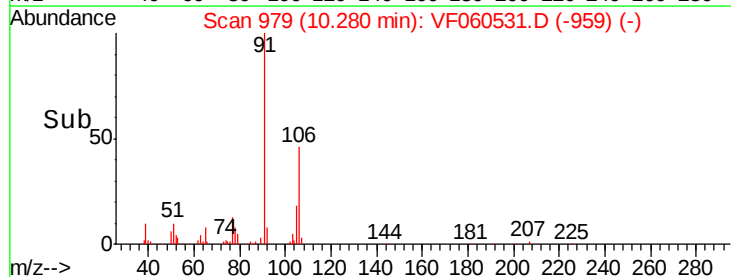
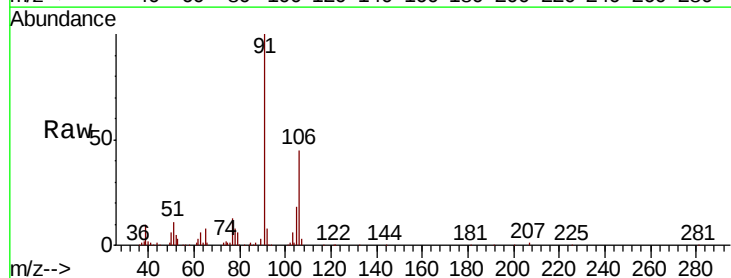
Acq: 29 Oct 2018 16:27

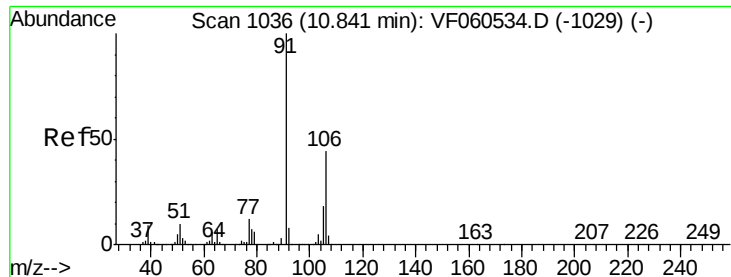
Tgt Ion: 106 Resp: 56077

Ion Ratio Lower Upper

106 100

91 222.5 176.2 264.2

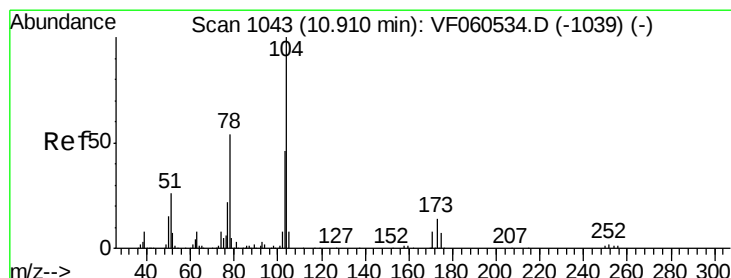
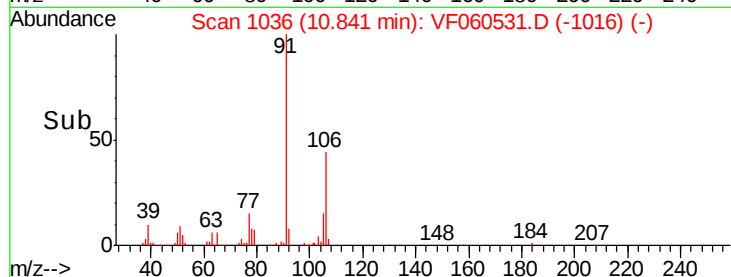
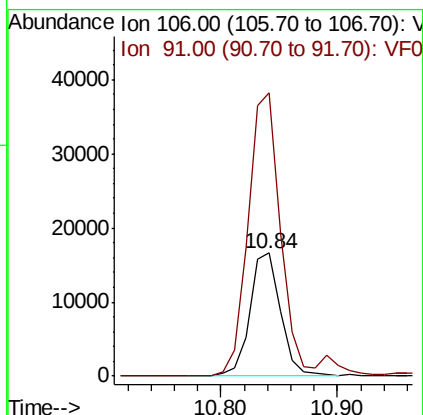
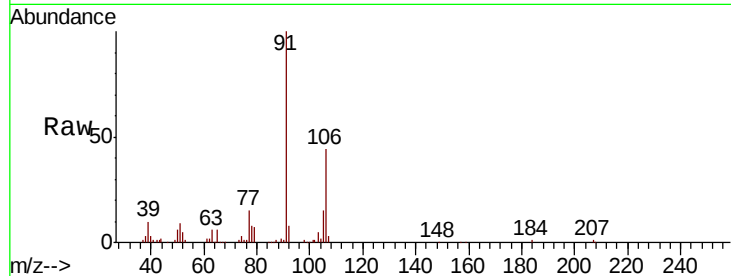




#69
o-Xylene
Concen: 5.205 ug/l
RT: 10.84 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

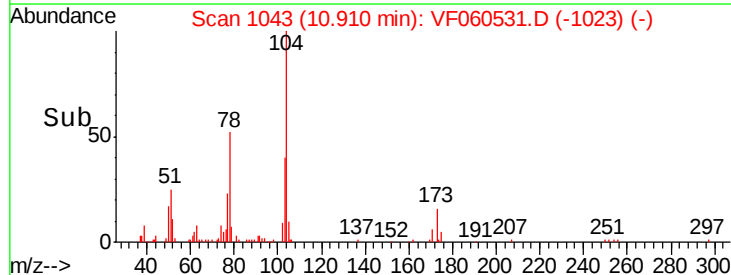
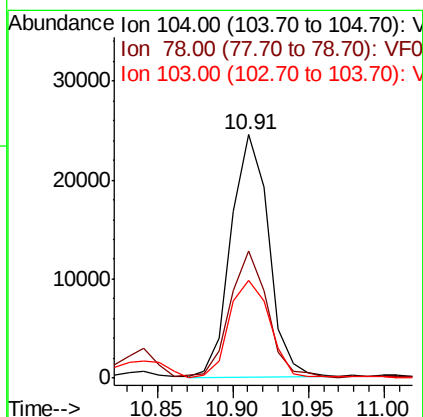
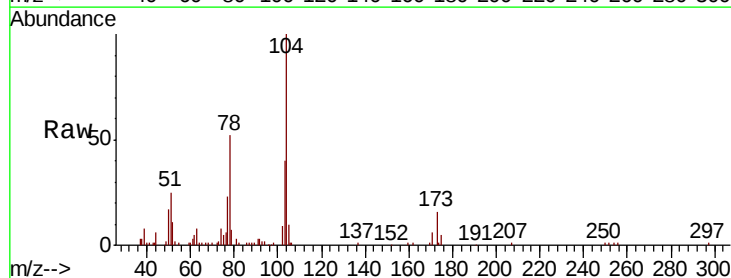
Instrument :
MSVOA_F
ClientSampleId :

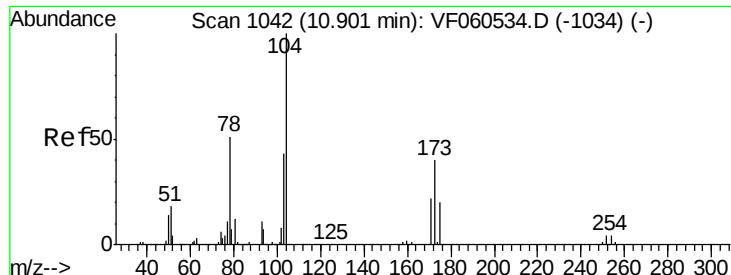
Tgt Ion:106 Resp: 30202
Ion Ratio Lower Upper
106 100
91 229.8 112.9 338.8



#70
Styrene
Concen: 5.221 ug/l
RT: 10.91 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Tgt Ion:104 Resp: 42361
Ion Ratio Lower Upper
104 100
78 52.4 43.4 65.2
103 39.9 36.9 55.3





#71

Bromoform

Concen: 4.921 ug/l

RT: 10.90 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

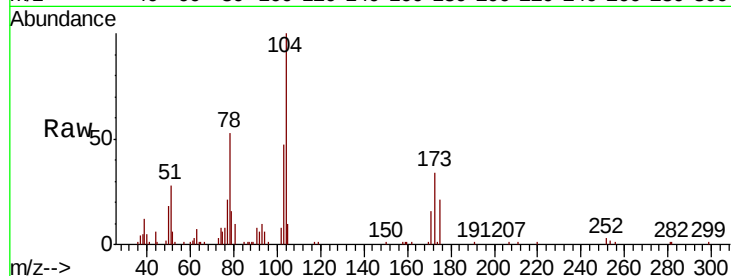
Tgt Ion:173 Resp: 10646

Ion Ratio Lower Upper

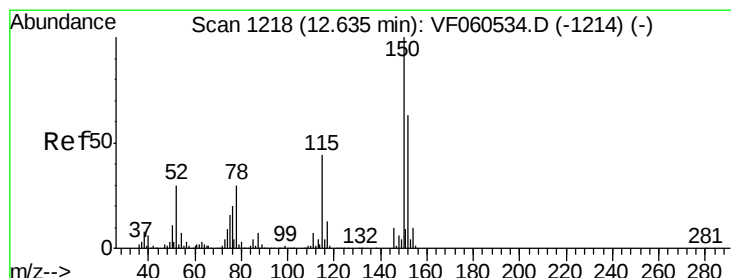
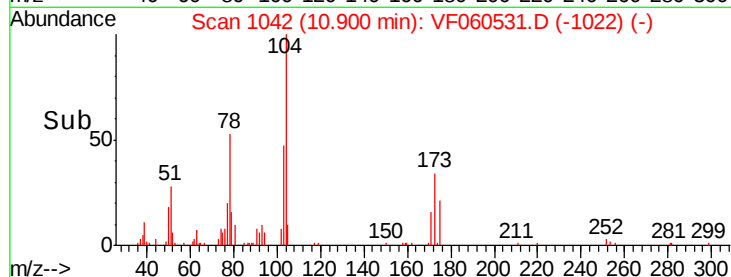
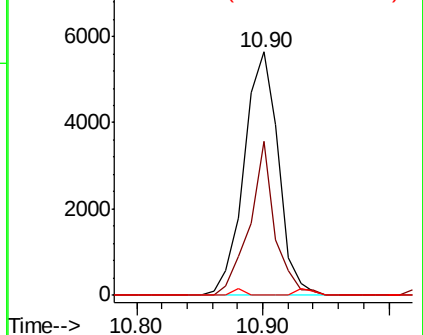
173 100

175 63.4 25.7 77.0

254 0.0 7.8 11.6#



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: 12.64 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

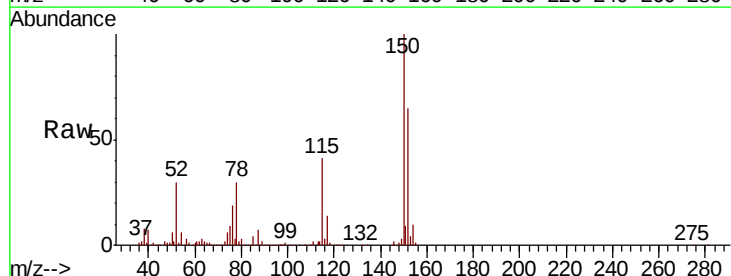
Tgt Ion:152 Resp: 245269

Ion Ratio Lower Upper

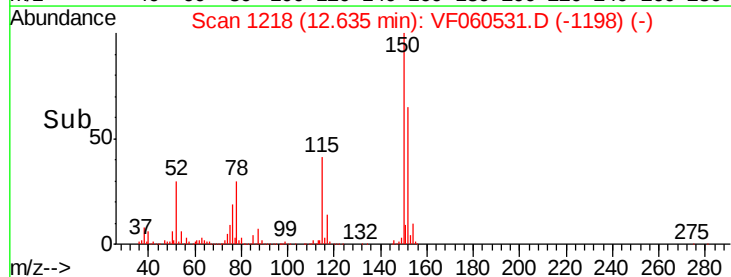
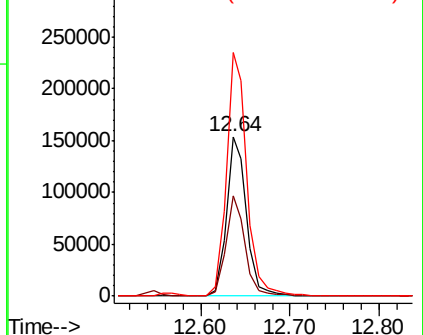
152 100

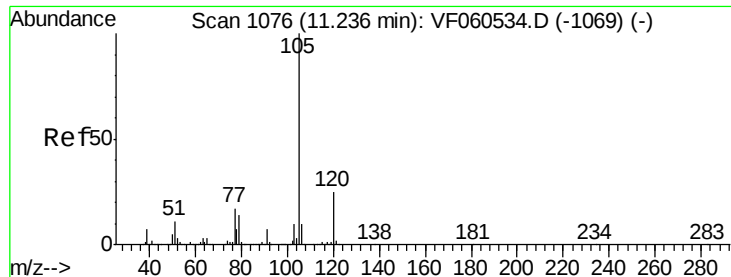
115 62.7 34.7 104.1

150 152.7 0.0 318.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 4.971 ug/l

RT: 11.24 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

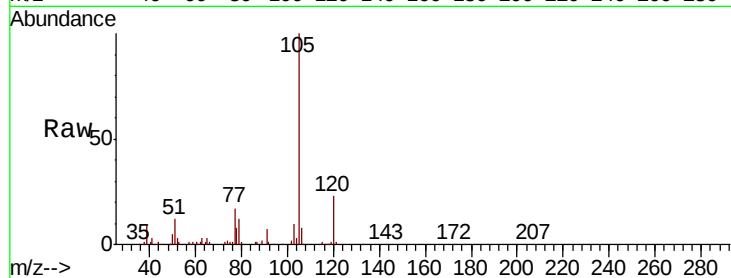
ClientSampleId :

Tgt Ion: 105 Resp: 96816

Ion Ratio Lower Upper

105 100

120 23.3 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

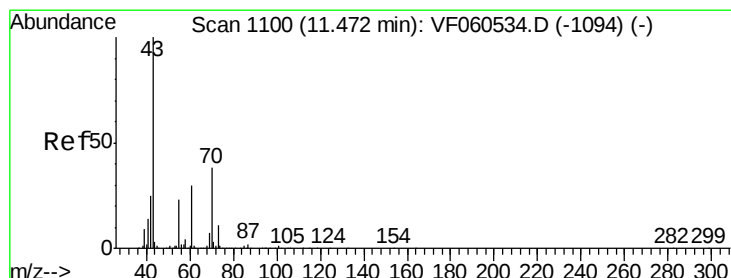
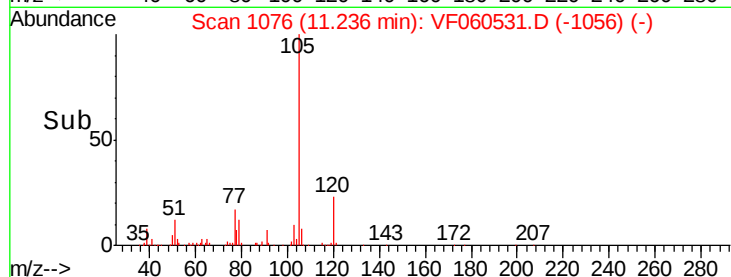
40000

20000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 6.623 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Tgt Ion: 43 Resp: 23421

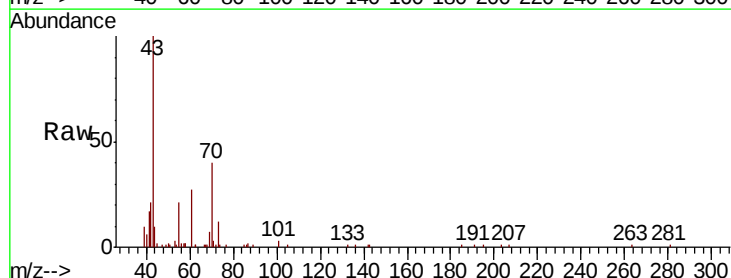
Ion Ratio Lower Upper

43 100

70 39.6 30.8 46.2

55 21.5 18.2 27.4

61 27.1 23.8 35.8



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

20000

15000

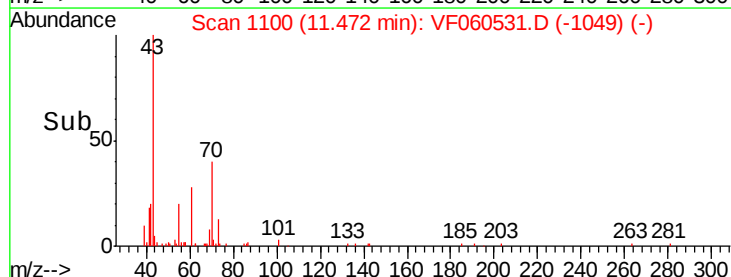
10000

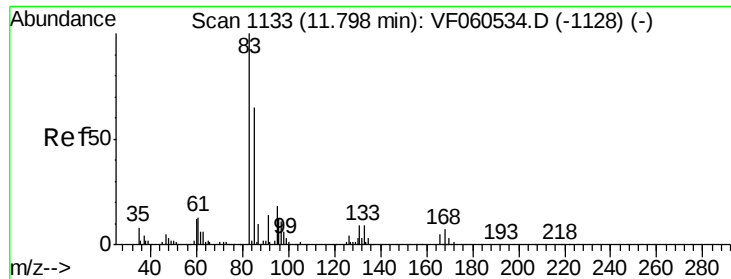
5000

0

11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.370 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060531.D

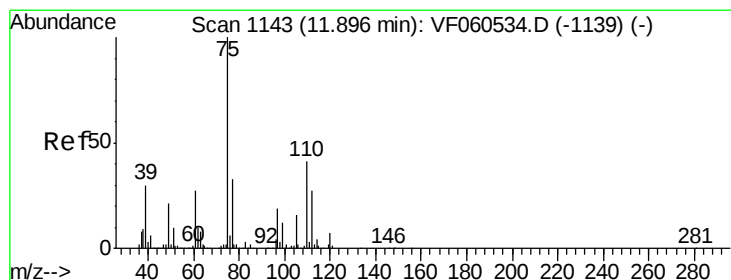
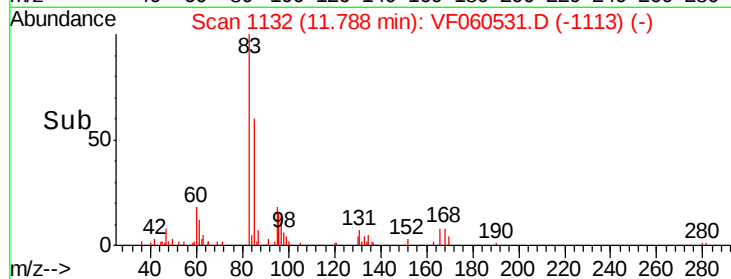
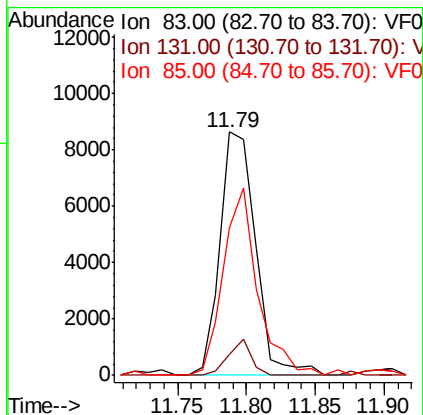
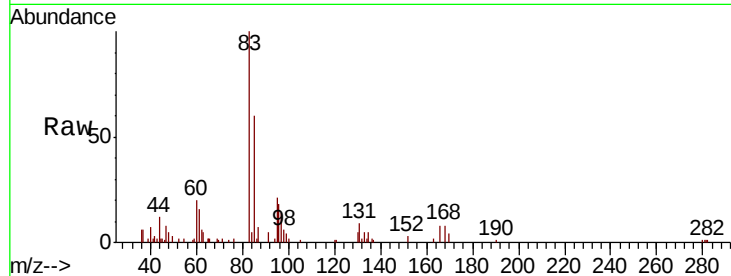
Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

Tgt Ion:	83	Resp:	15518
Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.7	14.0
85	60.4	32.4	97.0



#76

1,2,3-Trichloropropane

Concen: 5.058 ug/l

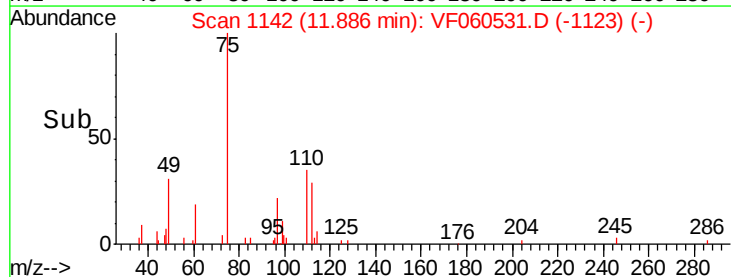
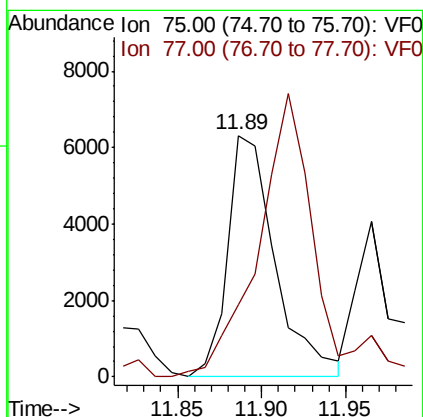
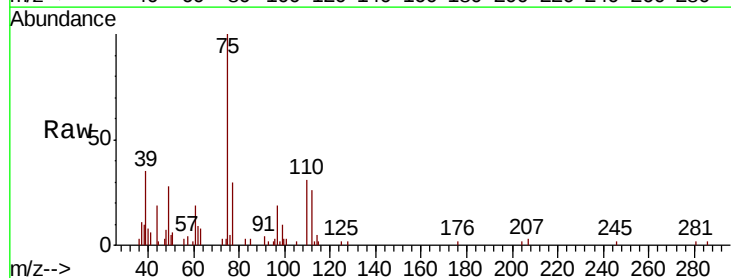
RT: 11.89 min Scan# 1142

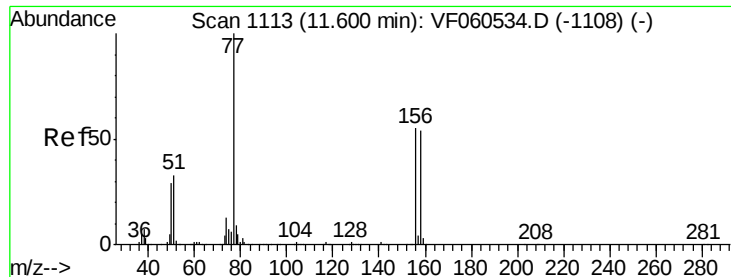
Delta R.T. -0.01 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Tgt Ion:	75	Resp:	12419
Ion	Ratio	Lower	Upper
75	100		
77	29.9	16.7	50.1





#77

Bromobenzene

Concen: 4.934 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampled :

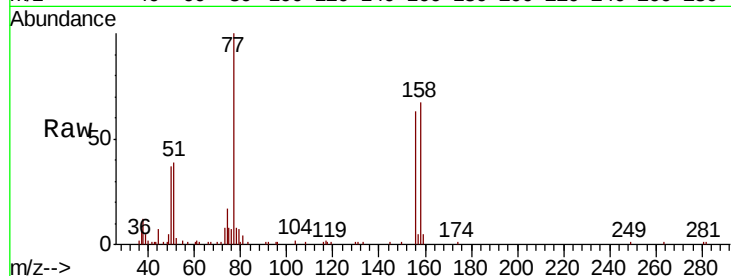
Tgt Ion:156 Resp: 20215

Ion Ratio Lower Upper

156 100

77 160.0 91.3 274.1

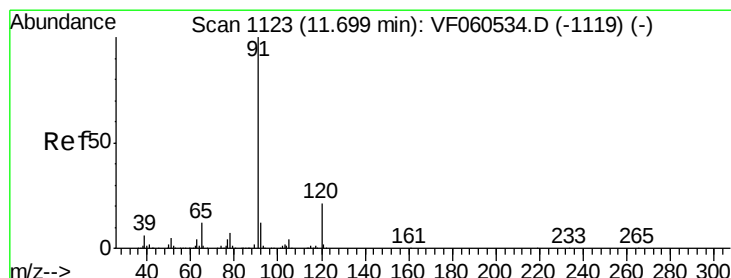
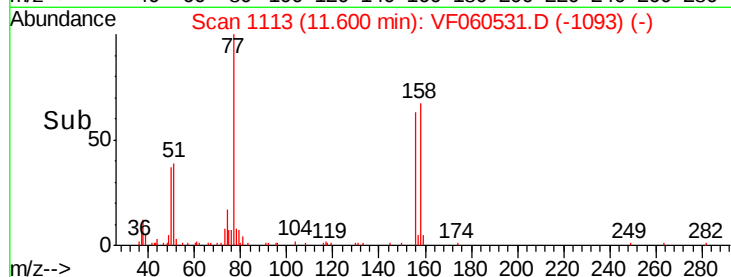
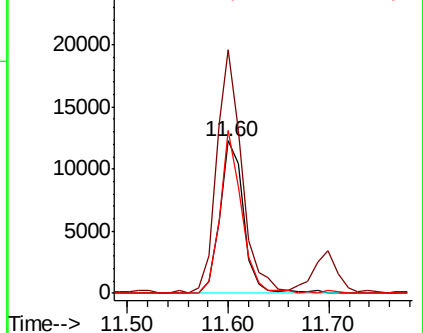
158 106.7 49.3 147.9



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: 5.273 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060531.D

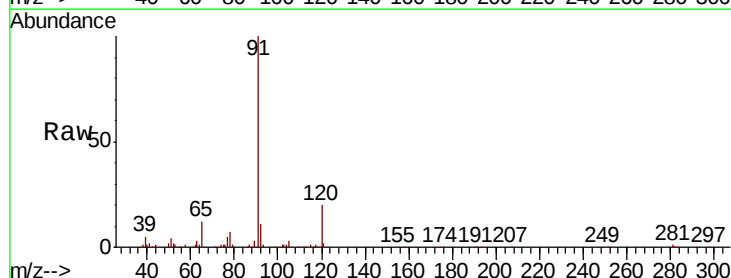
Acq: 29 Oct 2018 16:27

Tgt Ion: 91 Resp: 119754

Ion Ratio Lower Upper

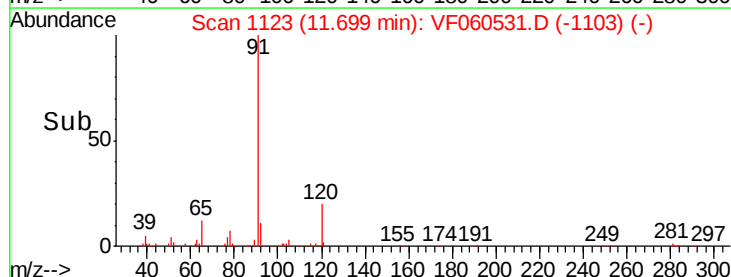
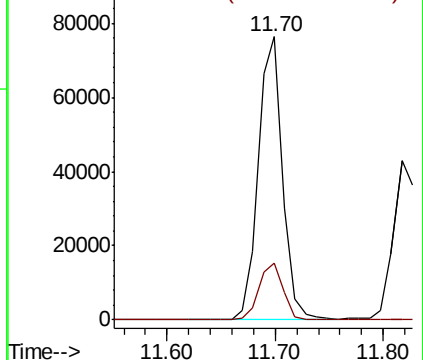
91 100

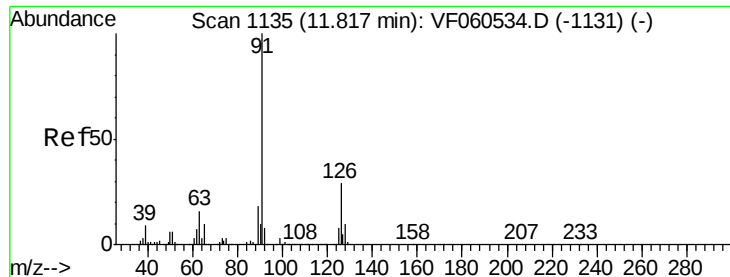
120 20.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

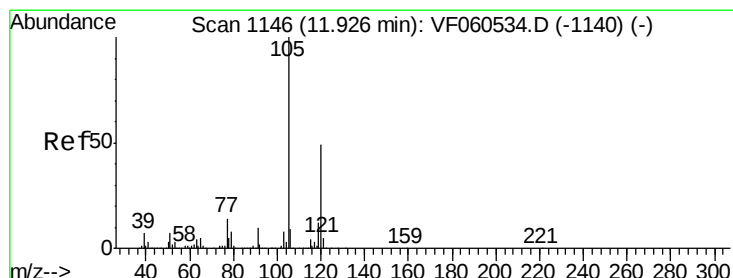
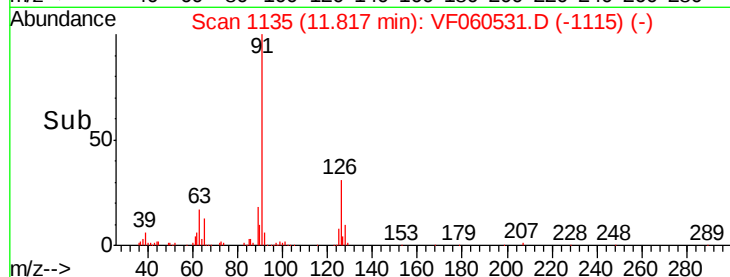
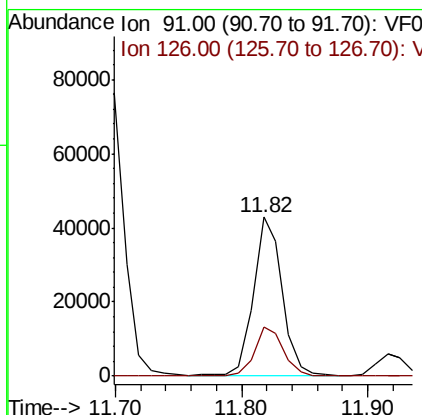
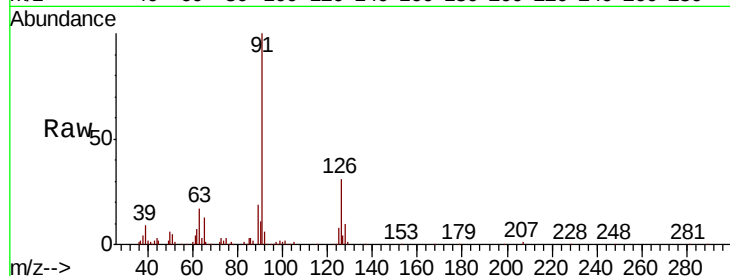




#79
 2-Chlorotoluene
 Concen: 4.874 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VF060531.D
 Acq: 29 Oct 2018 16:27

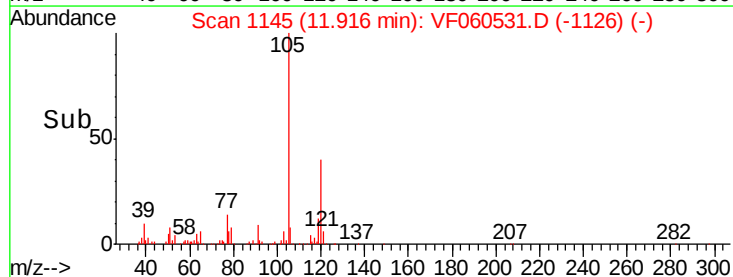
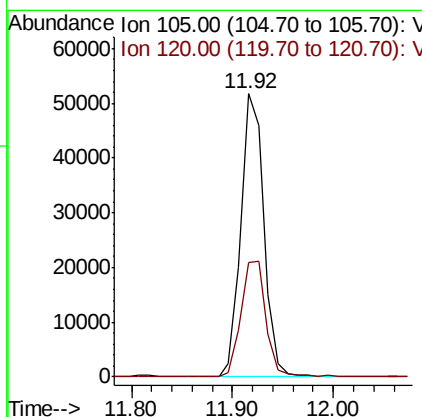
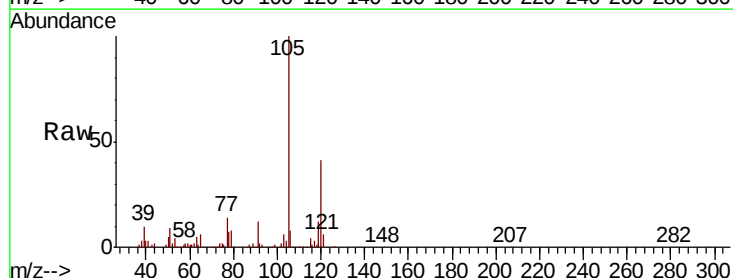
Instrument :
 MSVOA_F
 ClientSampleId :

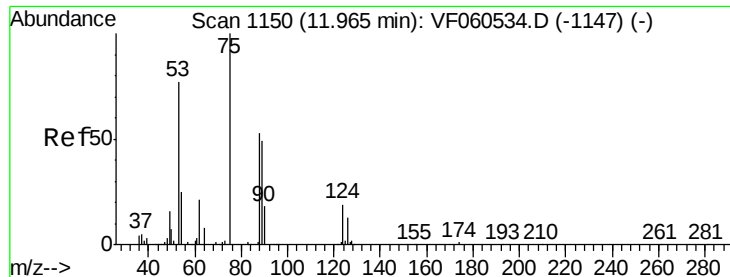
Tgt Ion: 91 Resp: 67073
 Ion Ratio Lower Upper
 91 100
 126 30.6 14.2 42.8



#80
 1,3,5-Trimethylbenzene
 Concen: 4.838 ug/l
 RT: 11.92 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VF060531.D
 Acq: 29 Oct 2018 16:27

Tgt Ion: 105 Resp: 82473
 Ion Ratio Lower Upper
 105 100
 120 40.6 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 7.425 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

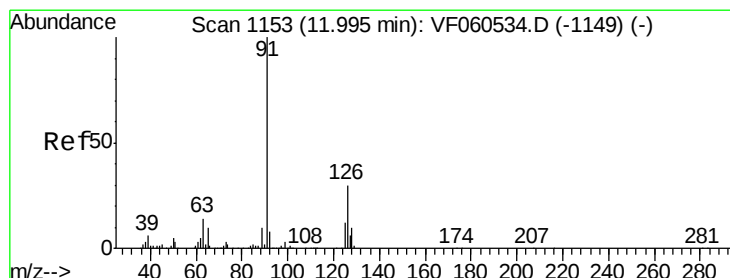
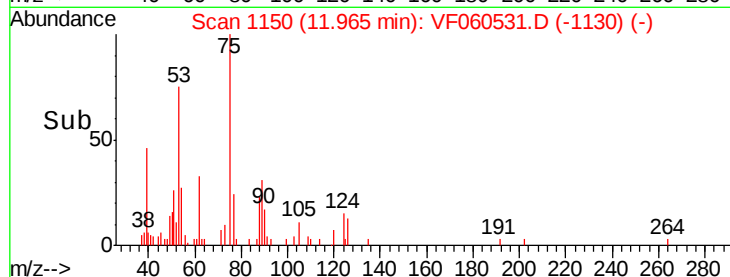
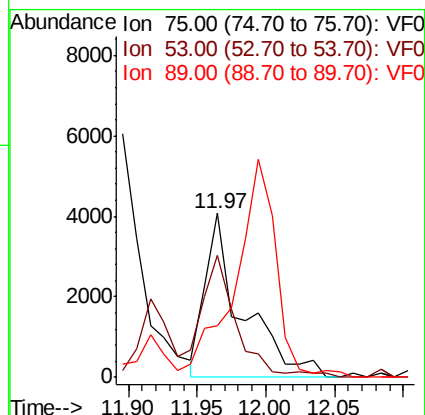
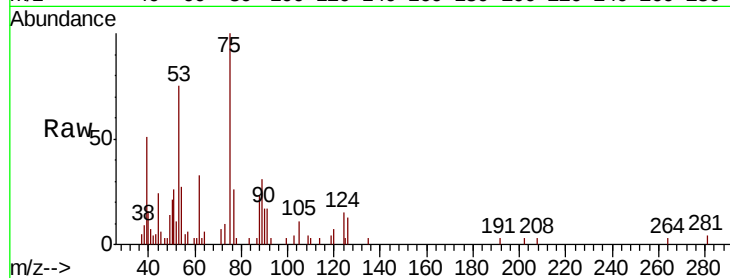
Tgt Ion: 75 Resp: 7658

Ion Ratio Lower Upper

75 100

53 74.7 65.8 98.6

89 31.5 44.0 66.0#



#82

4-Chlorotoluene

Concen: 4.981 ug/l

RT: 11.99 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF060531.D

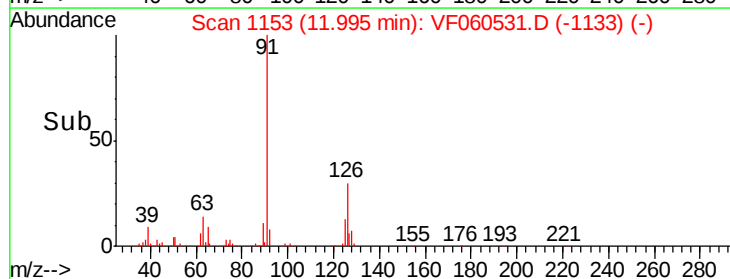
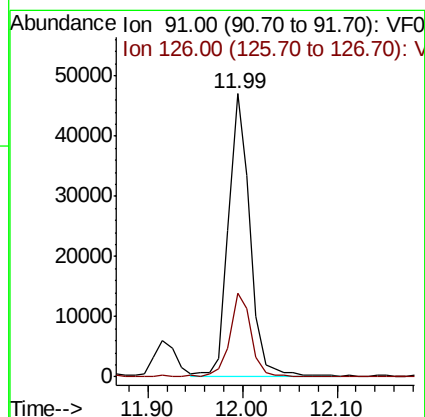
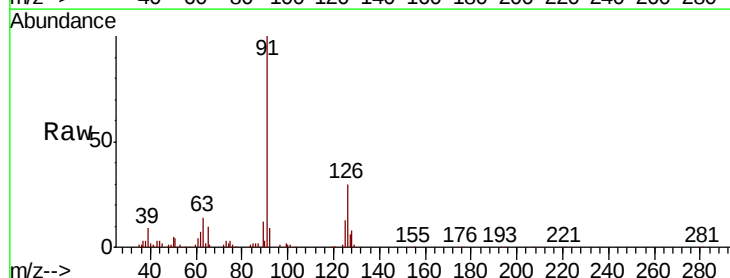
Acq: 29 Oct 2018 16:27

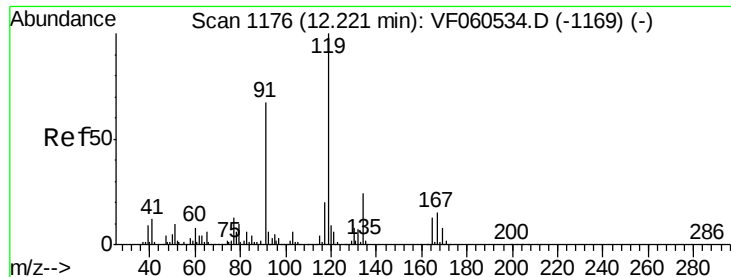
Tgt Ion: 91 Resp: 72571

Ion Ratio Lower Upper

91 100

126 29.6 15.1 45.3





#83

tert-Butylbenzene

Concen: 4.784 ug/l

RT: 12.22 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

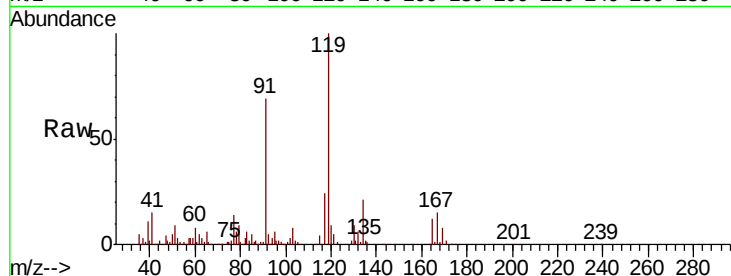
Tgt Ion:119 Resp: 81288

Ion Ratio Lower Upper

119 100

91 69.1 33.6 100.8

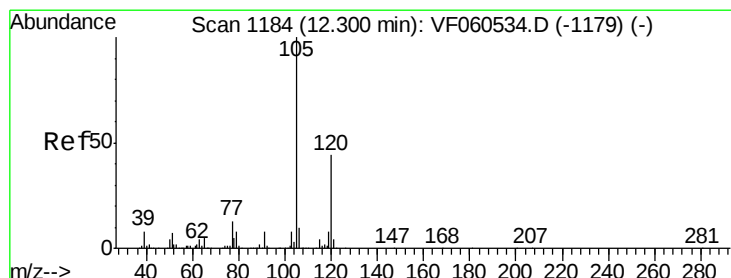
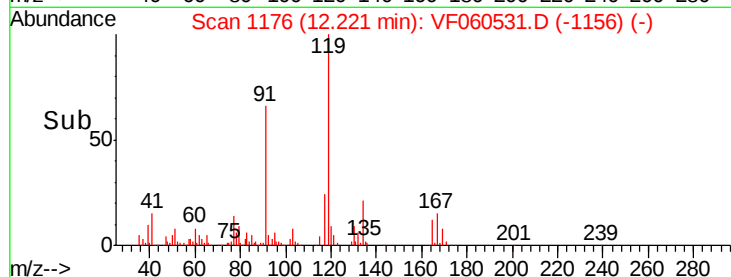
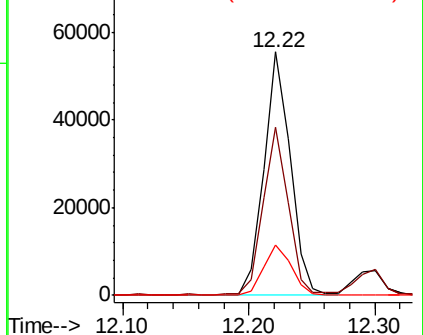
134 20.7 12.0 36.0



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: 5.102 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF060531.D

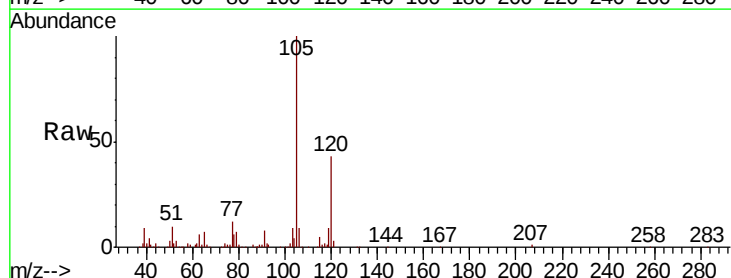
Acq: 29 Oct 2018 16:27

Tgt Ion:105 Resp: 86105

Ion Ratio Lower Upper

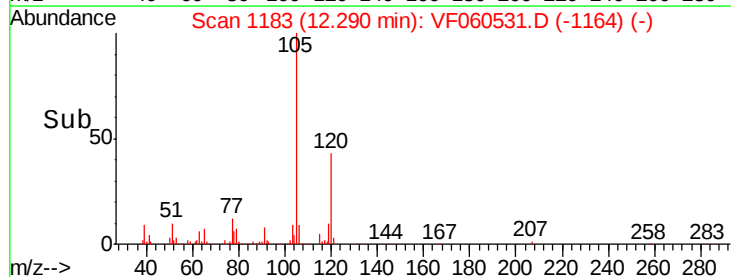
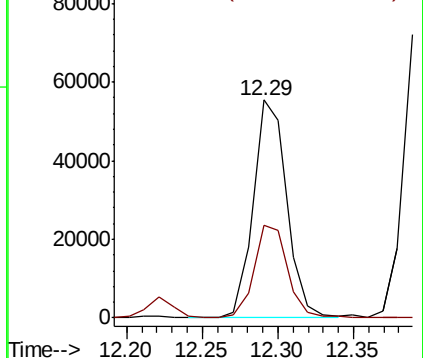
105 100

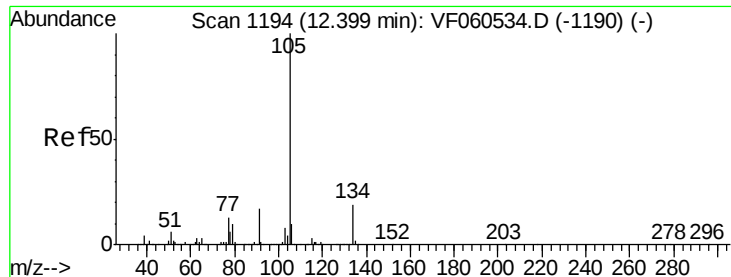
120 42.7 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.029 ug/l

RT: 12.40 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

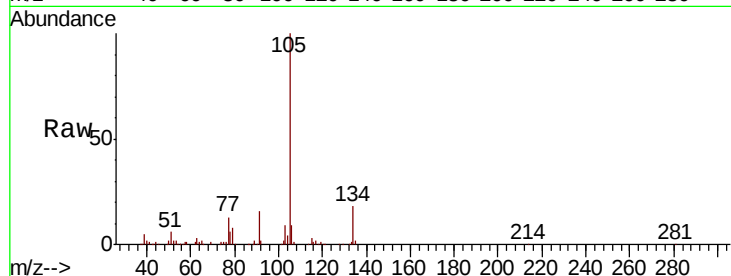
ClientSampleId :

Tgt Ion:105 Resp: 115944

Ion Ratio Lower Upper

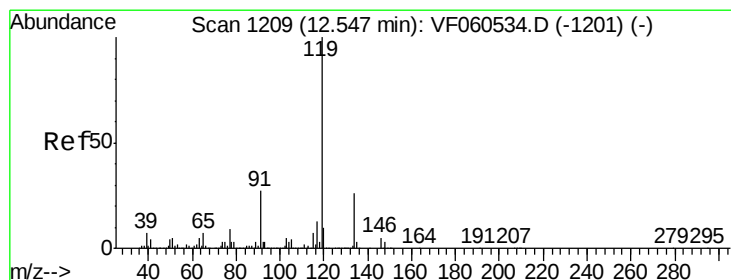
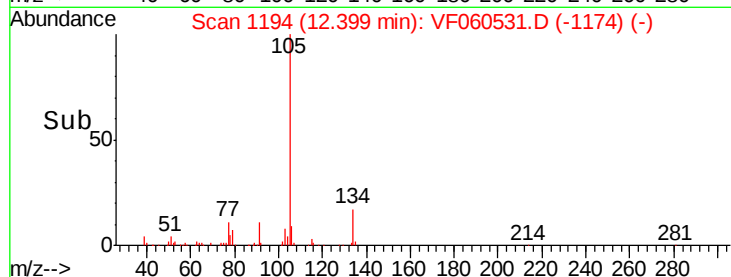
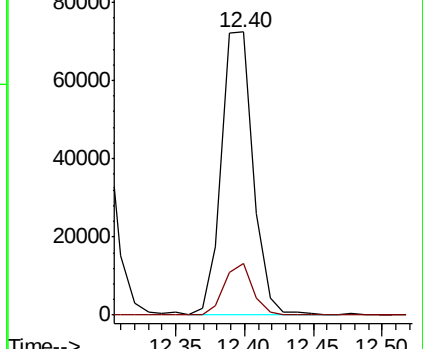
105 100

134 18.2 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.049 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

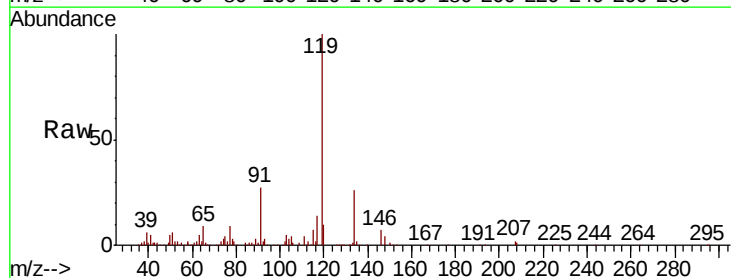
Tgt Ion:119 Resp: 98433

Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.1

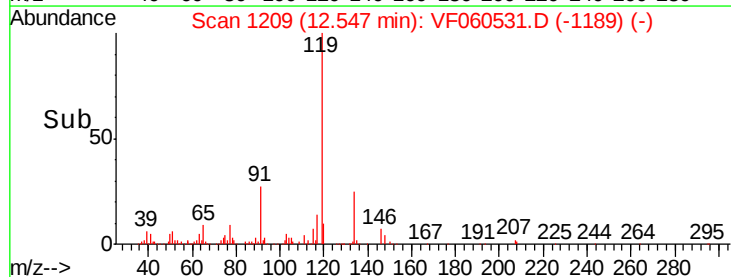
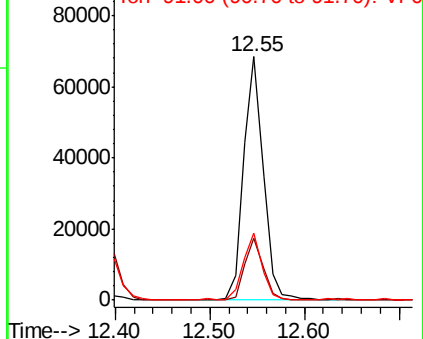
91 27.3 13.5 40.4

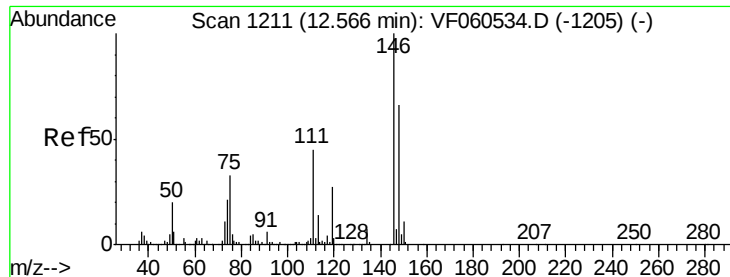


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.518 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VF060531.D

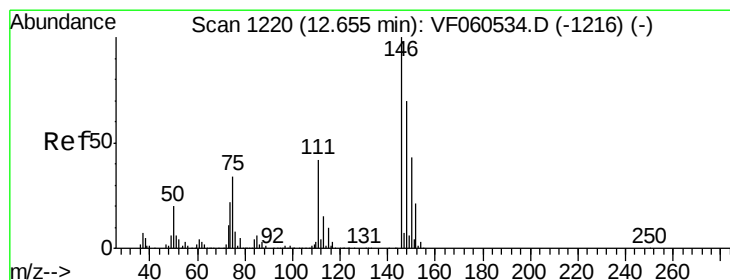
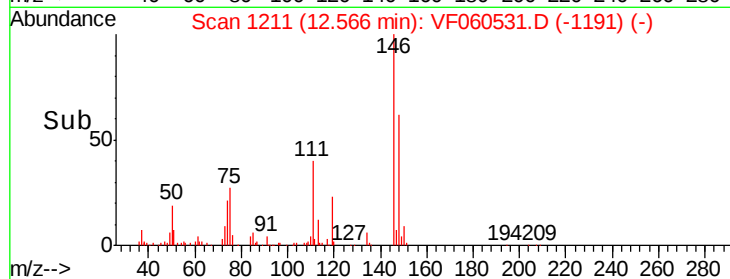
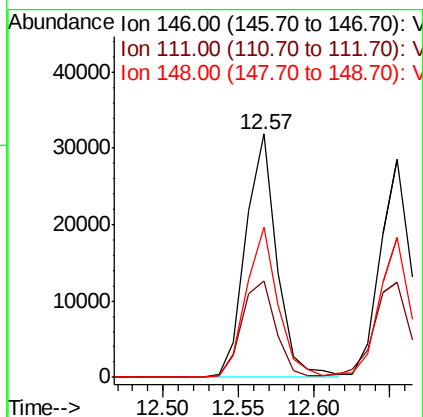
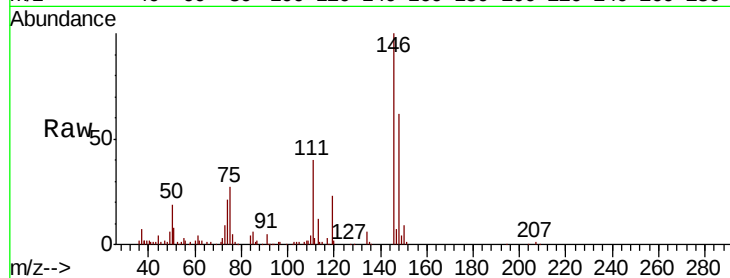
Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

Tgt Ion:	146	Resp:	45758
Ion	Ratio	Lower	Upper
146	100		
111	39.7	22.6	67.7
148	61.6	33.1	99.3



#88

1,4-Dichlorobenzene

Concen: 5.228 ug/l

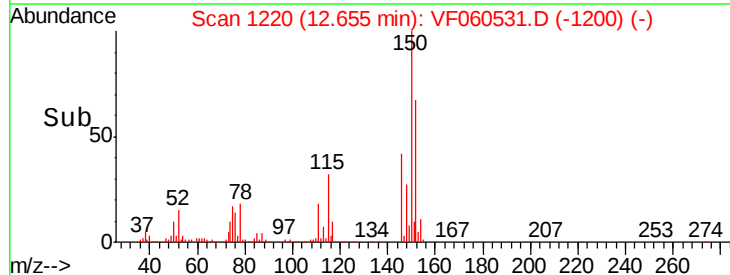
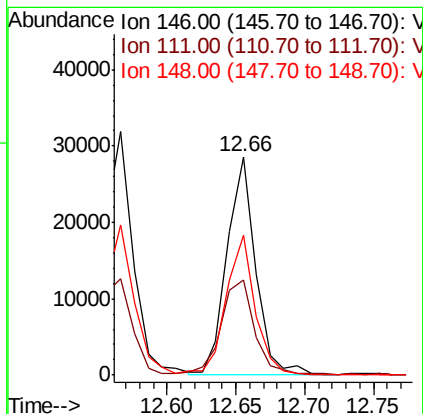
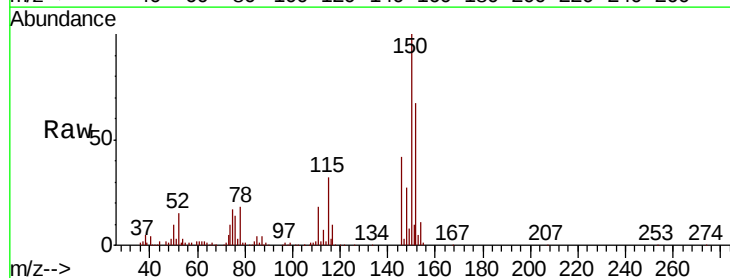
RT: 12.66 min Scan# 1220

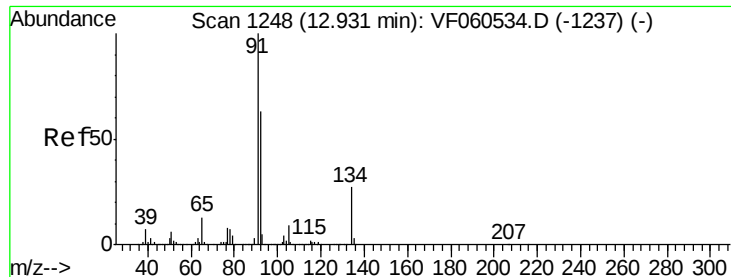
Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Tgt Ion:	146	Resp:	41742
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.2	63.6
148	64.2	35.1	105.5

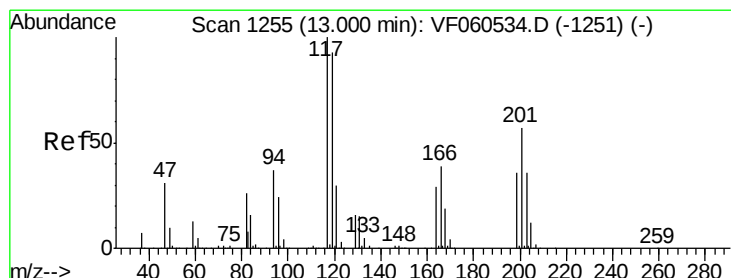
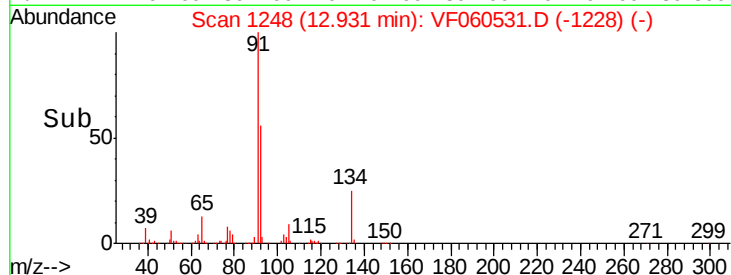
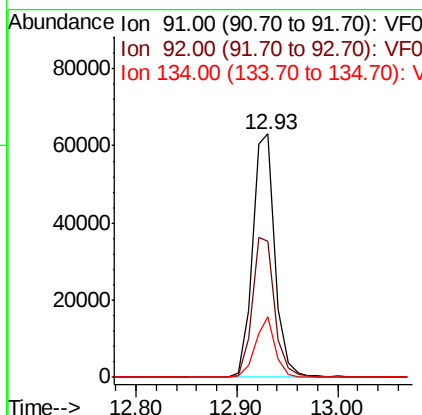
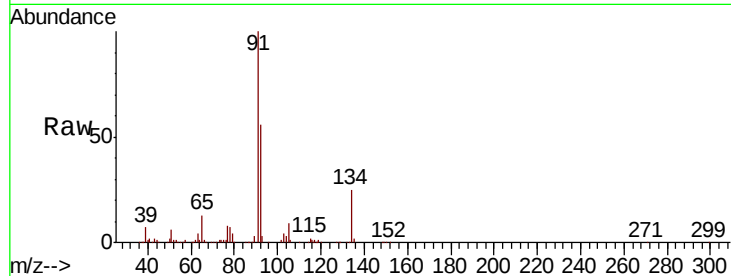




#89
n-Butylbenzene
Concen: 4.728 ug/l
RT: 12.93 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

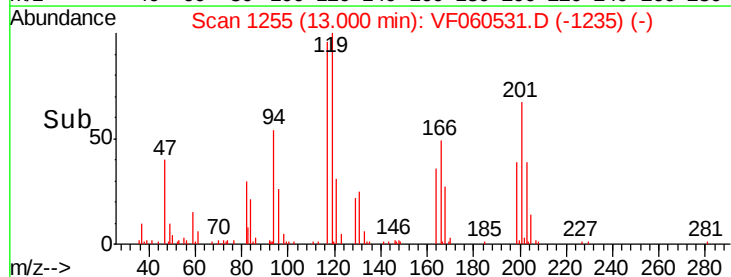
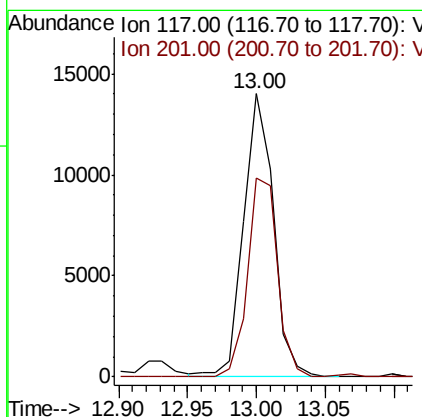
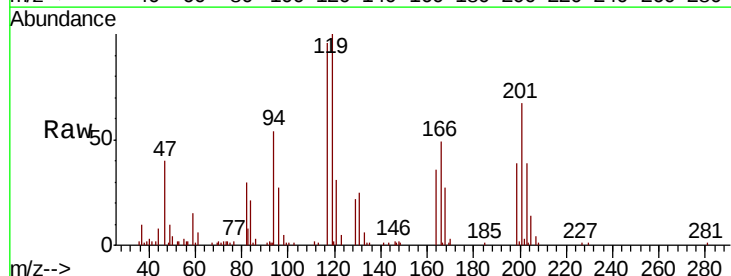
Instrument :
MSVOA_F
ClientSampleId :

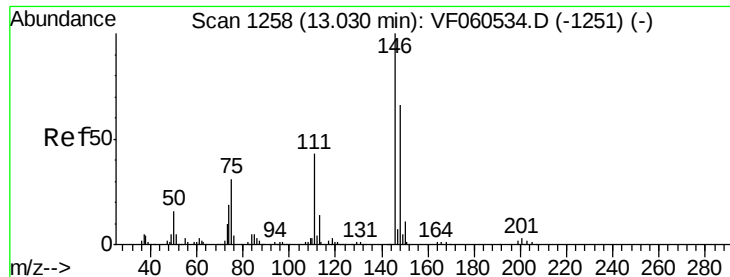
Tgt Ion: 91 Resp: 98192
Ion Ratio Lower Upper
91 100
92 56.0 31.3 93.9
134 24.8 13.3 39.8



#90
Hexachloroethane
Concen: 4.167 ug/l
RT: 13.00 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Tgt Ion: 117 Resp: 21255
Ion Ratio Lower Upper
117 100
201 70.3 28.2 84.7





#91

1,2-Dichlorobenzene

Concen: 5.341 ug/l

RT: 13.03 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

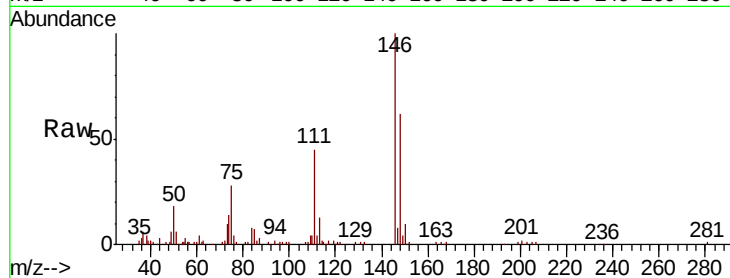
Tgt Ion:146 Resp: 42459

Ion Ratio Lower Upper

146 100

111 45.4 21.5 64.5

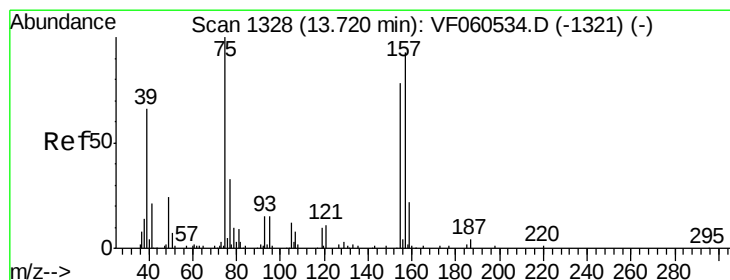
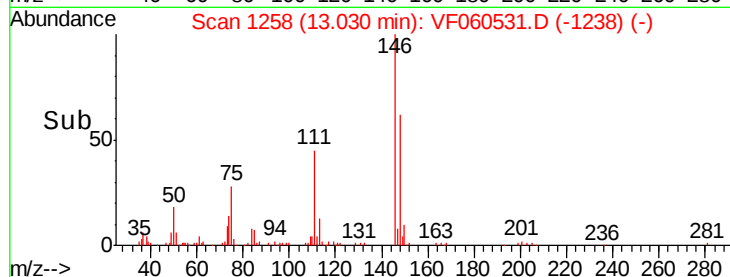
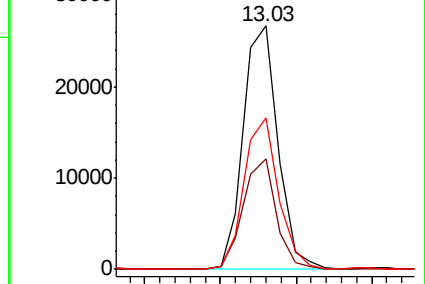
148 62.4 33.1 99.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.325 ug/l

RT: 13.72 min Scan# 1328

Delta R.T. -0.00 min

Lab File: VF060531.D

Acq: 29 Oct 2018 16:27

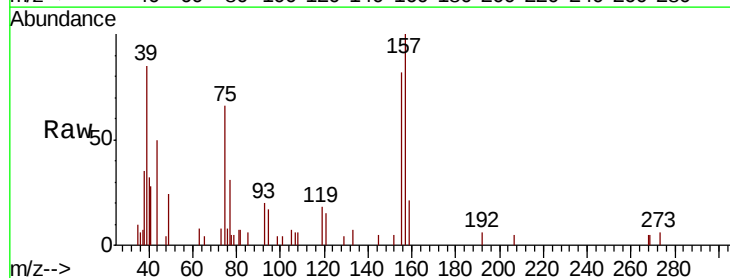
Tgt Ion: 75 Resp: 3036

Ion Ratio Lower Upper

75 100

155 124.4 40.8 122.5#

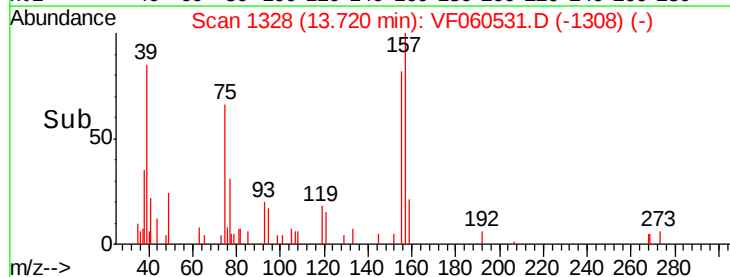
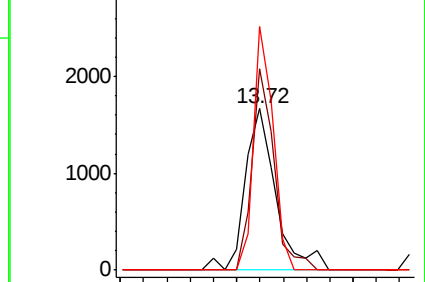
157 150.9 46.5 139.5#

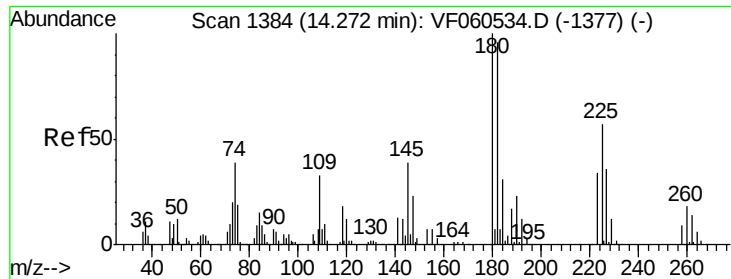


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

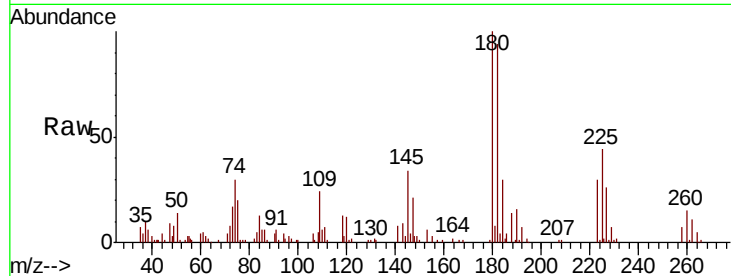




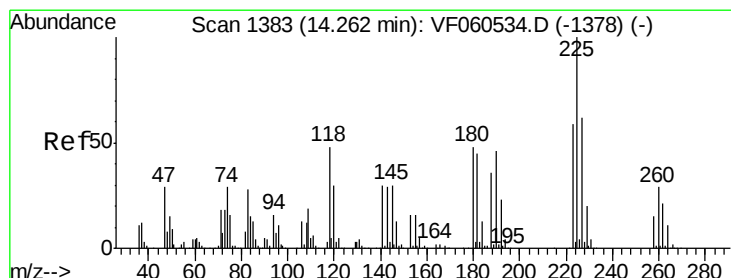
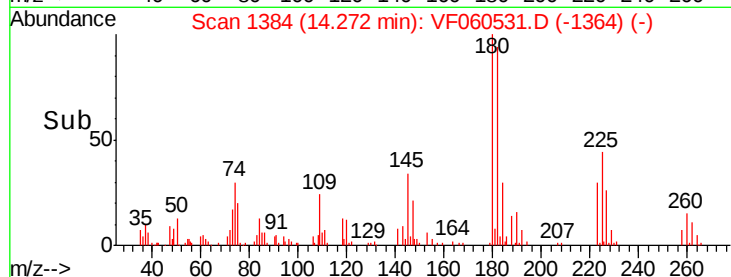
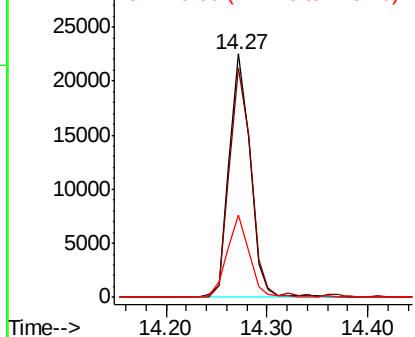
#93
 1,2,4-Trichlorobenzene
 Concen: 5.142 ug/l
 RT: 14.27 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: VF060531.D
 Acq: 29 Oct 2018 16:27

Instrument :
 MSVOA_F
 ClientSampleId :

Tgt Ion:180 Resp: 32712
 Ion Ratio Lower Upper
 180 100
 182 94.2 48.1 144.3
 145 33.7 19.5 58.5

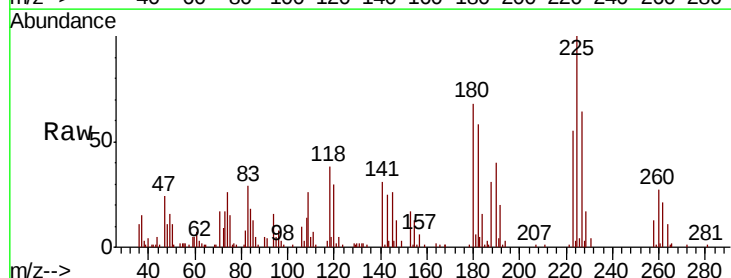


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

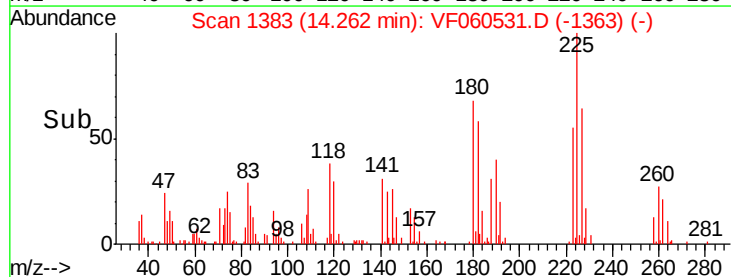
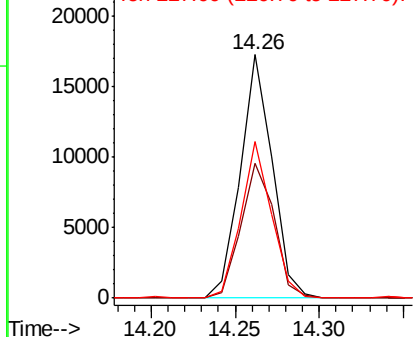


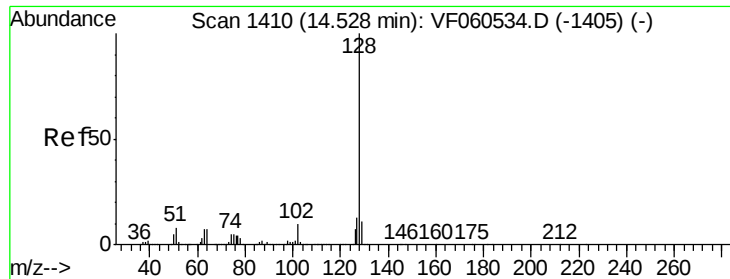
#94
 Hexachlorobutadiene
 Concen: 4.834 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060531.D
 Acq: 29 Oct 2018 16:27

Tgt Ion:225 Resp: 22666
 Ion Ratio Lower Upper
 225 100
 223 55.3 29.5 88.5
 227 64.4 31.3 93.8



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

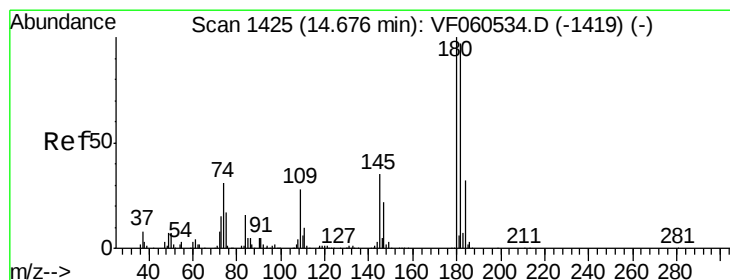
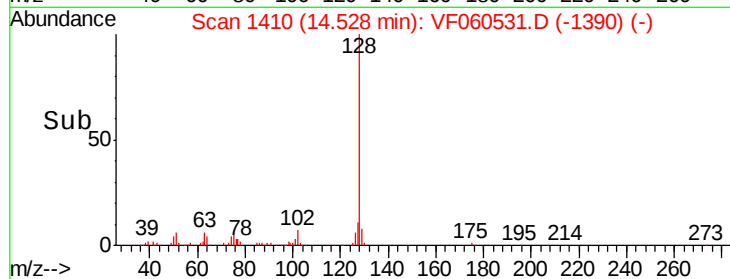
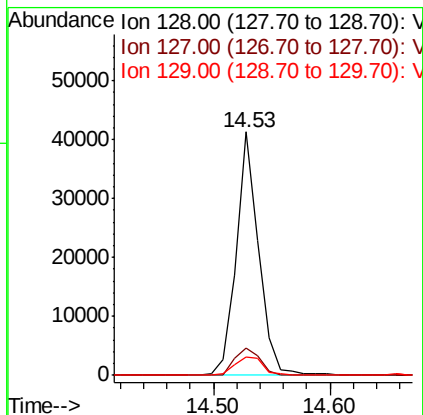
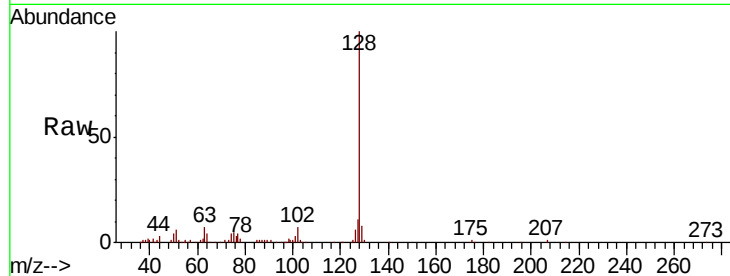




#95
Naphthalene
Concen: 5.372 ug/l
RT: 14.53 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:128 Resp: 54951
Ion Ratio Lower Upper
128 100
127 11.4 10.1 15.1
129 7.8 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 4.997 ug/l
RT: 14.68 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VF060531.D
Acq: 29 Oct 2018 16:27

Tgt Ion:180 Resp: 29286
Ion Ratio Lower Upper
180 100
182 85.5 48.7 146.1
145 33.5 17.3 52.0

