

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
 Data File : VF060277.D
 Acq On : 19 Sep 2018 12:50
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 20 02:18:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:18:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	260090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	439783	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	392132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	208438	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	19825	5.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.32%	
35) Dibromofluoromethane	4.28	113	21268	5.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.86%	
50) Toluene-d8	7.70	98	57168	5.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.20%	
62) 4-Bromofluorobenzene	11.50	95	28670	6.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.00%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.98	85	27335	5.919	ug/l 97
3) Chloromethane	1.25	50	819	0.234	ug/l 89
4) Vinyl Chloride	1.17	62	21127	5.849	ug/l 98
5) Bromomethane	1.36	94	15112	6.237	ug/l 93
6) Chloroethane	1.42	64	10542	6.128	ug/l # 71
7) Trichlorofluoromethane	1.53	101	38140	5.668	ug/l 96
8) Diethyl Ether	1.69	74	6791	6.065	ug/l 59
9) 1,1,2-Trichlorotrifluoroet	1.88	101	21203	5.924	ug/l 92
10) Methyl Iodide	1.96	142	33270	5.765	ug/l # 79
11) Tert butyl alcohol	2.68	59	6167	27.624	ug/l # 42
12) 1,1-Dichloroethene	1.85	96	17183	5.805	ug/l # 68
13) Acrolein	2.08	56	5170	47.377	ug/l # 68
14) Allyl chloride	2.18	41	27762	5.375	ug/l 96
15) Acrylonitrile	3.06	53	14529	29.374	ug/l # 93
16) Acetone	2.33	43	29635	30.047	ug/l 95
17) Carbon Disulfide	1.87	76	53793	6.022	ug/l 100
18) Methyl Acetate	2.44	43	10186	6.199	ug/l 93
19) Methyl tert-butyl Ether	2.53	73	42389	5.745	ug/l # 87
20) Methylene Chloride	2.28	84	11617	3.313	ug/l 85
21) trans-1,2-Dichloroethene	2.40	96	18218	5.959	ug/l 92
22) Diisopropyl ether	2.92	45	54321	5.574	ug/l # 92
23) Vinyl Acetate	3.32	43	106059	27.711	ug/l 99
24) 1,1-Dichloroethane	2.99	63	37860	5.991	ug/l 98
25) 2-Butanone	4.50	43	36156	27.235	ug/l 96
26) 2,2-Dichloropropane	3.74	77	21117	5.856	ug/l 99
27) cis-1,2-Dichloroethene	3.63	96	21754	5.417	ug/l 85
28) Bromochloromethane	3.87	49	14472	5.882	ug/l 89
29) Tetrahydrofuran	4.25	42	14817	30.478	ug/l 98
30) Chloroform	4.02	83	41108	5.391	ug/l 96
31) Cyclohexane	3.85	56	31241	5.852	ug/l 86
32) 1,1,1-Trichloroethane	4.27	97	32775	5.447	ug/l 96
36) 1,1-Dichloropropene	4.44	75	27565	5.025	ug/l 98
37) Ethyl Acetate	4.28	43	12809	5.518	ug/l # 70
38) Carbon Tetrachloride	4.16	117	31380	5.013	ug/l 98

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 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 20 02:18:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:18:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	34248	5.760	ug/l	93
40) Benzene	4.80	78	68269	5.488	ug/l #	89
41) Methacrylonitrile	4.91	41	7762	6.163	ug/l #	88
42) 1,2-Dichloroethane	5.11	62	23427	5.117	ug/l	98
43) Isopropyl Acetate	7.11	43	15987	5.721	ug/l #	94
44) Trichloroethene	5.67	130	20381	5.506	ug/l	93
45) 1,2-Dichloropropane	6.40	63	18415	5.720	ug/l	93
46) Dibromomethane	6.24	93	11839	5.145	ug/l #	85
47) Bromodichloromethane	6.54	83	29933	5.413	ug/l	99
48) Methyl methacrylate	6.87	41	11584	5.906	ug/l	93
49) 1,4-Dioxane	6.86	88	1916	109.334	ug/l #	57
51) 4-Methyl-2-Pentanone	8.40	43	55817	25.917	ug/l	89
52) Toluene	7.77	92	46396	5.896	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	24770	5.553	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	29599	5.267	ug/l #	87
55) 1,1,2-Trichloroethane	8.62	97	12421	5.201	ug/l #	85
56) Ethyl methacrylate	8.75	69	15652	5.426	ug/l #	85
57) 1,3-Dichloropropane	8.99	76	21059	5.325	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	7537	29.557	ug/l	100
59) 2-Hexanone	9.62	43	41963	27.365	ug/l	91
60) Dibromochloromethane	8.86	129	18677	5.247	ug/l	97
61) 1,2-Dibromoethane	9.13	107	14182	5.332	ug/l	90
64) Tetrachloroethene	8.30	164	19915	5.602	ug/l	94
65) Chlorobenzene	9.94	112	48474	5.454	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	19843	5.380	ug/l	92
67) Ethyl Benzene	10.03	91	93527	5.692	ug/l	98
68) m/p-Xylenes	10.26	106	65140	11.474	ug/l	91
69) o-Xylene	10.82	106	34592	5.432	ug/l	95
70) Styrene	10.90	104	50180	5.588	ug/l	95
71) Bromoform	10.88	173	9745	4.811	ug/l #	99
73) Isopropylbenzene	11.23	105	105115	5.618	ug/l	98
74) N-amyl acetate	11.46	43	20600	5.163	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	16856	5.083	ug/l	84
76) 1,2,3-Trichloropropane	11.89	75	13942	5.872	ug/l	92
77) Bromobenzene	11.59	156	22872	5.672	ug/l	95
78) n-propylbenzene	11.68	91	131375	5.947	ug/l	96
79) 2-Chlorotoluene	11.81	91	69303	5.491	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	85195	5.656	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	9185	6.004	ug/l	95
82) 4-Chlorotoluene	11.99	91	70681	5.571	ug/l	97
83) tert-Butylbenzene	12.21	119	85794	5.619	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	89396	5.845	ug/l	97
85) sec-Butylbenzene	12.38	105	121430	5.744	ug/l	94
86) p-Isopropyltoluene	12.54	119	93058	5.563	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	42646	5.659	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	41377	5.555	ug/l	96
89) n-Butylbenzene	12.91	91	101867	5.756	ug/l	91
90) Hexachloroethane	12.99	117	22857	5.350	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	42107	5.858	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	2992	4.805	ug/l	81

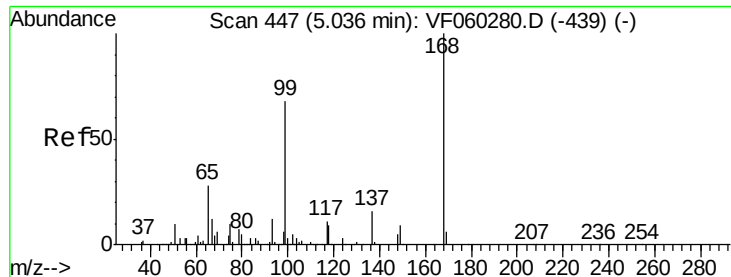
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
Data File : VF060277.D
Acq On : 19 Sep 2018 12:50
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00/5mL/MSVOA_F/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: Sep 20 02:18:57 2018
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Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:18:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	30504	5.838	ug/l	89
94) Hexachlorobutadiene	14.25	225	19254	5.451	ug/l	94
95) Naphthalene	14.52	128	47058	5.137	ug/l	95
96) 1,2,3-Trichlorobenzene	14.67	180	24702	5.116	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

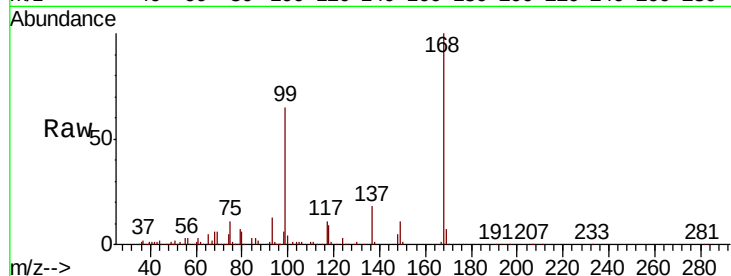
VSTDIC005

Tgt Ion:168 Resp: 260090

Ion Ratio Lower Upper

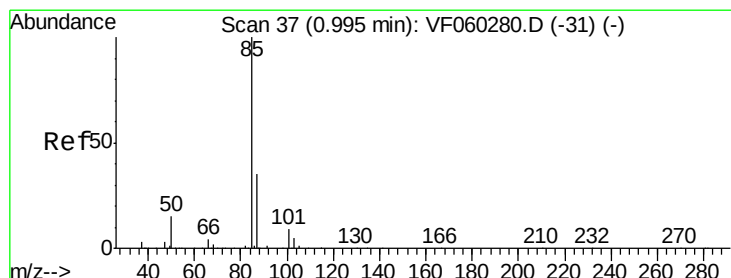
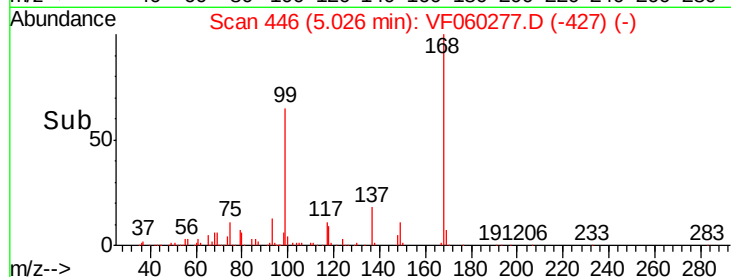
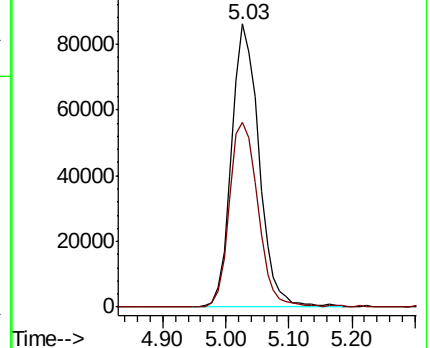
168 100

99 65.2 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 5.919 ug/l

RT: 0.98 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060277.D

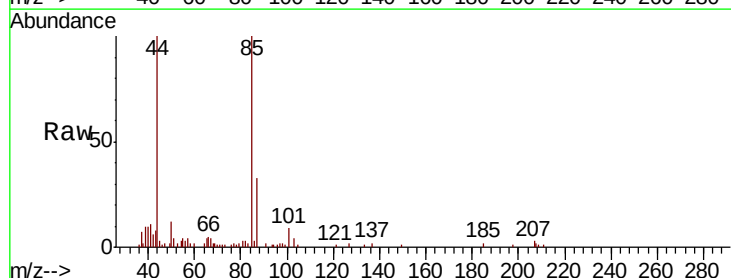
Acq: 19 Sep 2018 12:50

Tgt Ion: 85 Resp: 27335

Ion Ratio Lower Upper

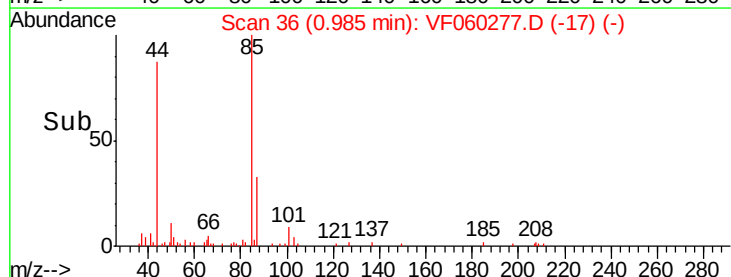
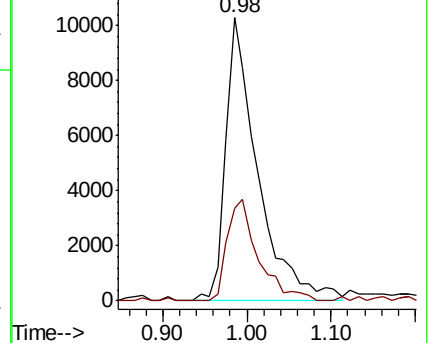
85 100

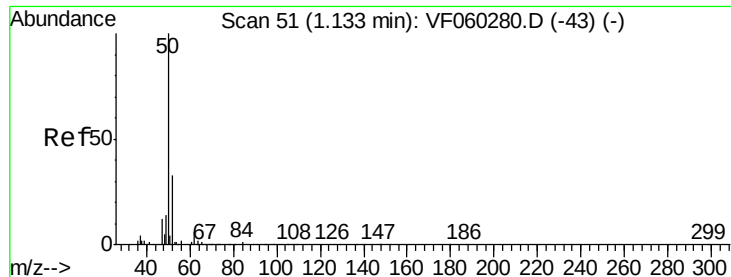
87 32.9 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.25 min Scan# 63

Delta R.T. 0.12 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

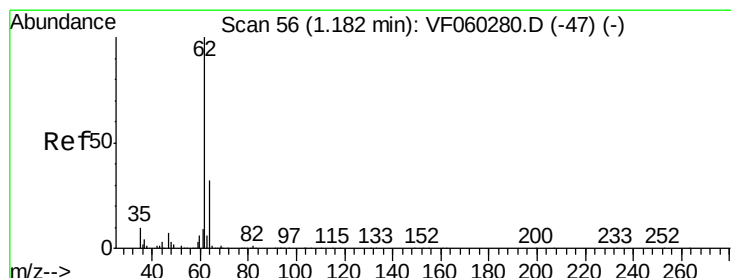
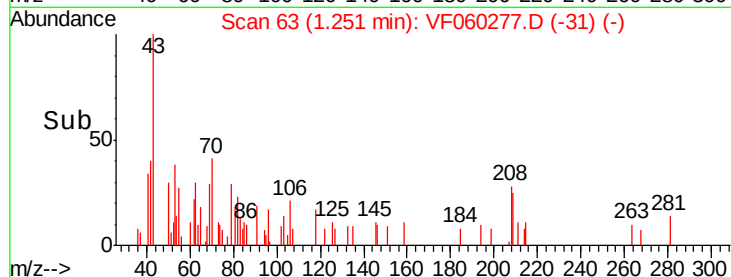
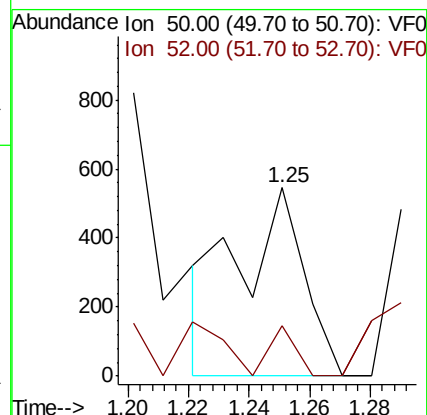
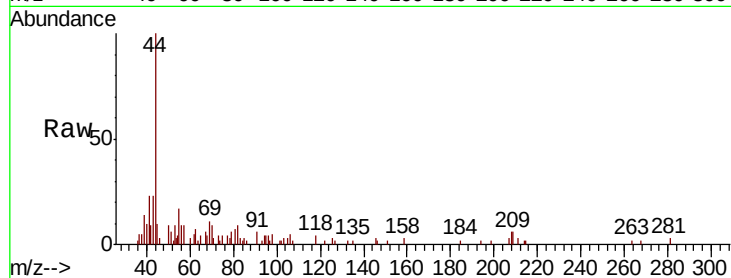
VSTDIC005

Tgt Ion: 50 Resp: 819

Ion Ratio Lower Upper

50 100

52 26.9 26.5 39.7



#4

Vinyl Chloride

Concen: 5.849 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060277.D

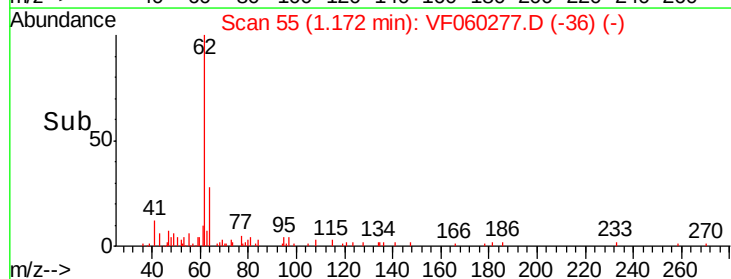
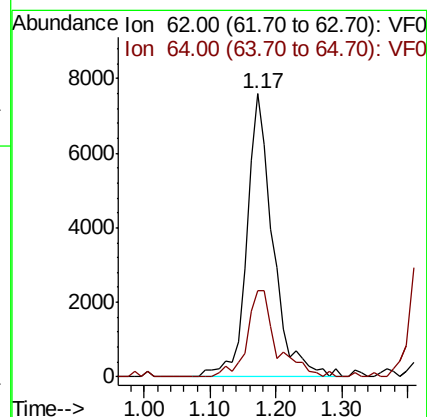
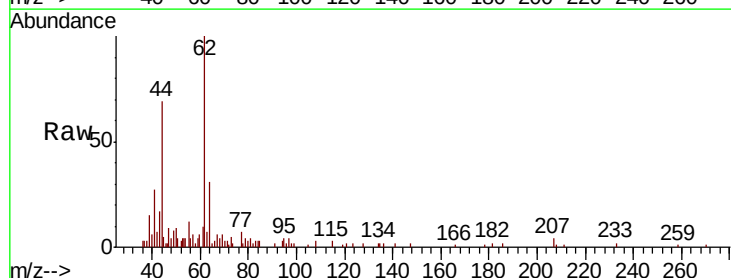
Acq: 19 Sep 2018 12:50

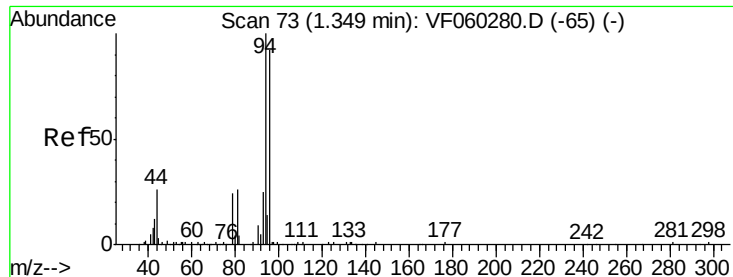
Tgt Ion: 62 Resp: 21127

Ion Ratio Lower Upper

62 100

64 30.5 25.2 37.8





#5

Bromomethane

Concen: 6.237 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

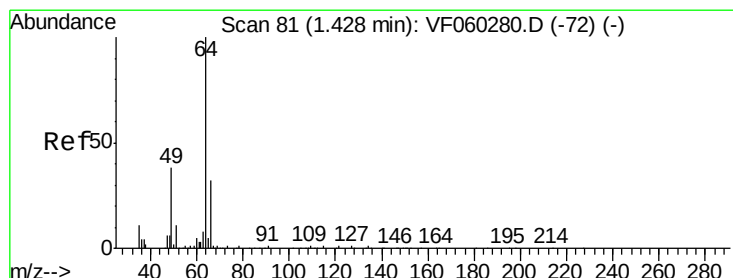
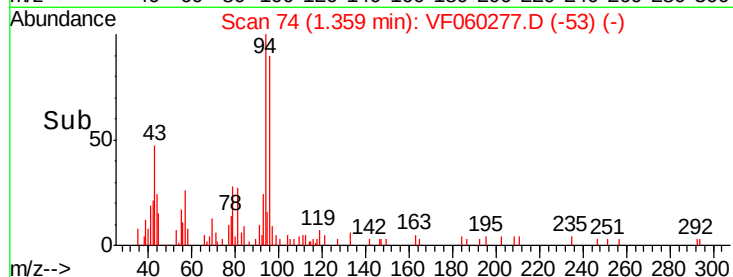
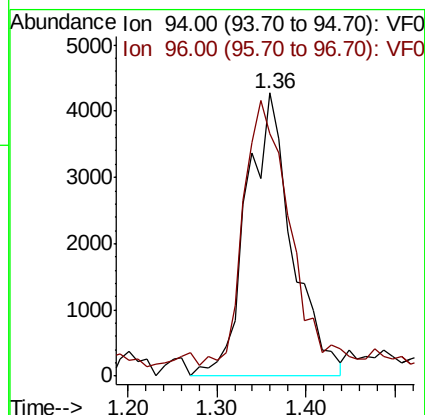
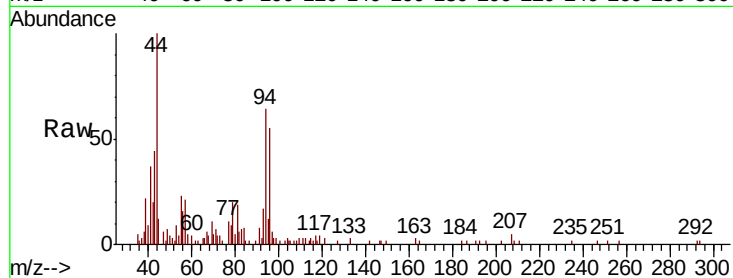
VSTDIC005

Tgt Ion: 94 Resp: 15112

Ion Ratio Lower Upper

94 100

96 85.9 73.9 110.9



#6

Chloroethane

Concen: 6.128 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060277.D

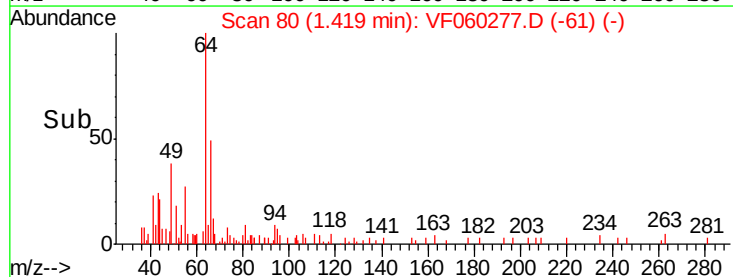
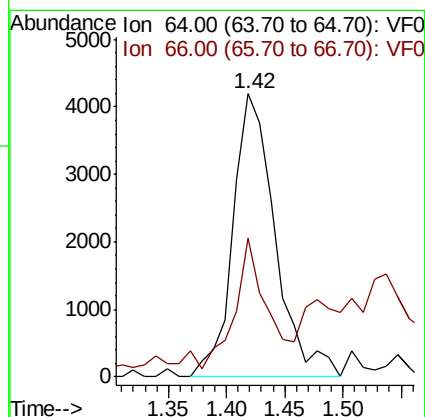
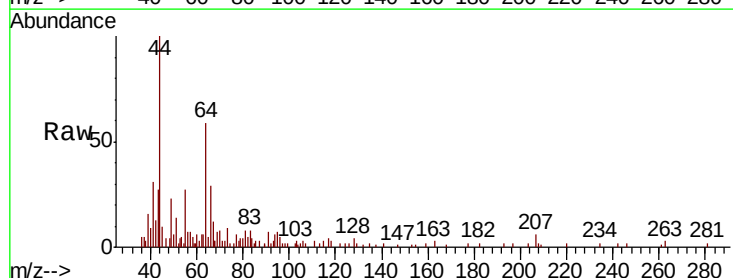
Acq: 19 Sep 2018 12:50

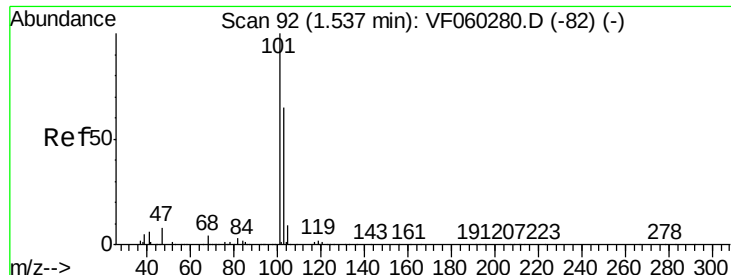
Tgt Ion: 64 Resp: 10542

Ion Ratio Lower Upper

64 100

66 49.2 26.2 39.2#





#7

Trichlorofluoromethane

Concen: 5.668 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

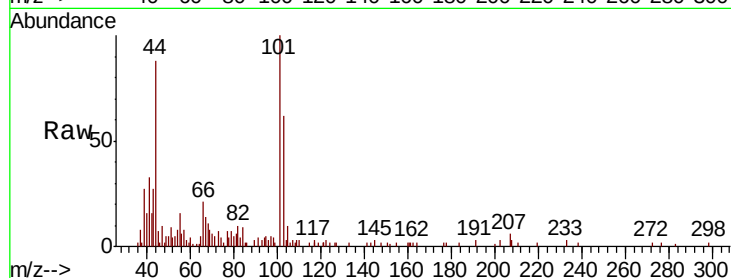
VSTDIC005

Tgt Ion:101 Resp: 38140

Ion Ratio Lower Upper

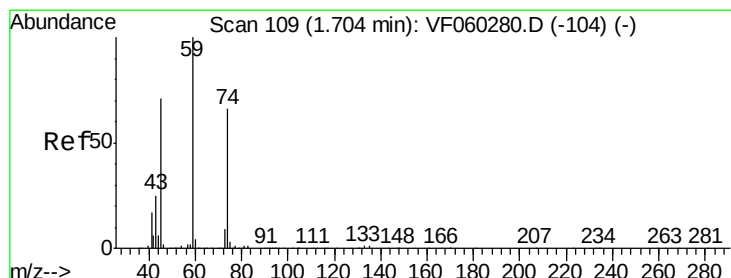
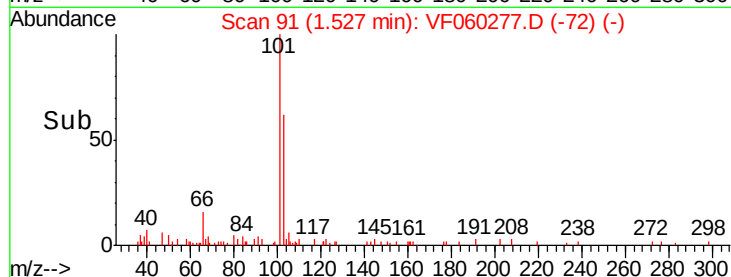
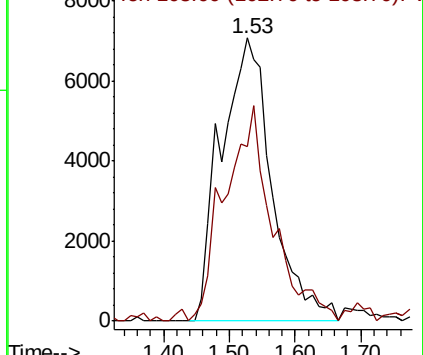
101 100

103 61.9 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 6.065 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060277.D

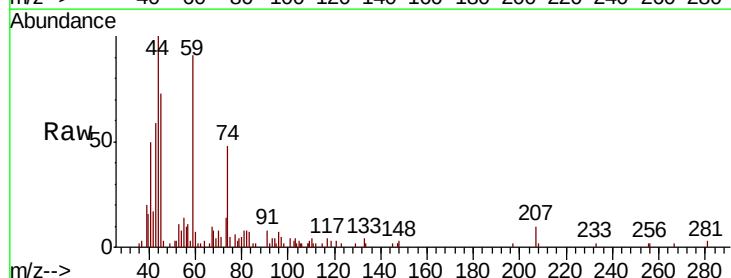
Acq: 19 Sep 2018 12:50

Tgt Ion: 74 Resp: 6791

Ion Ratio Lower Upper

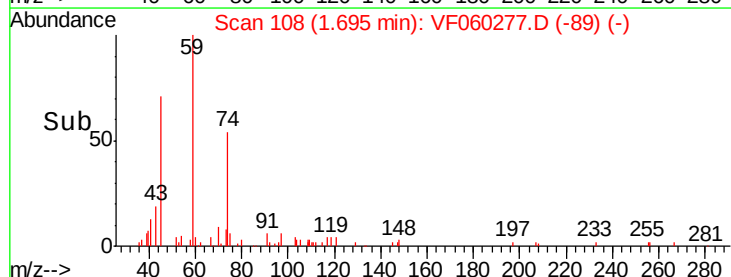
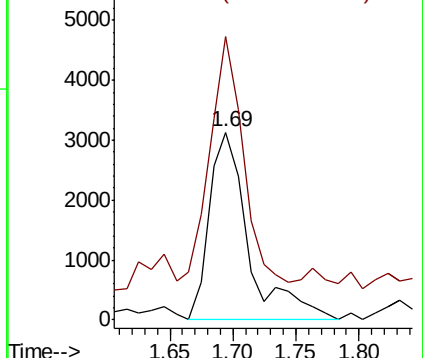
74 100

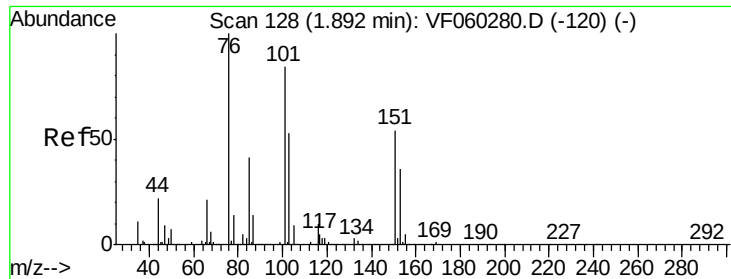
45 150.8 53.9 161.7



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: 5.924 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

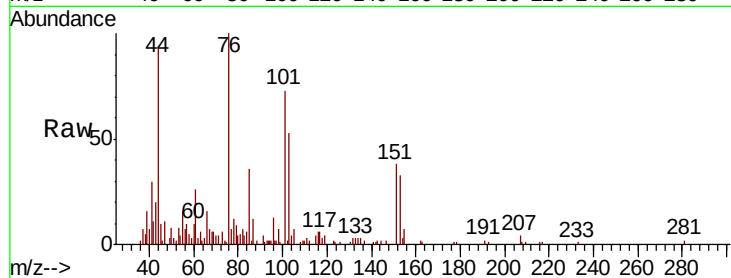
Tgt Ion:101 Resp: 21203

Ion Ratio Lower Upper

101 100

85 48.7 38.7 58.1

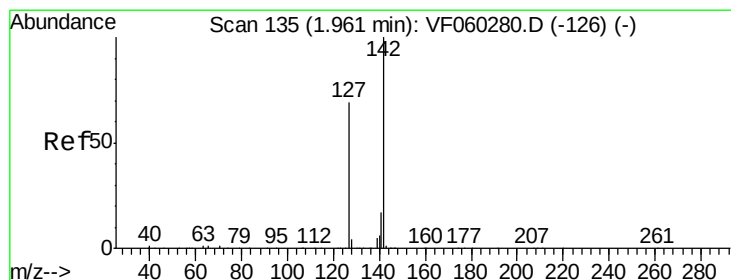
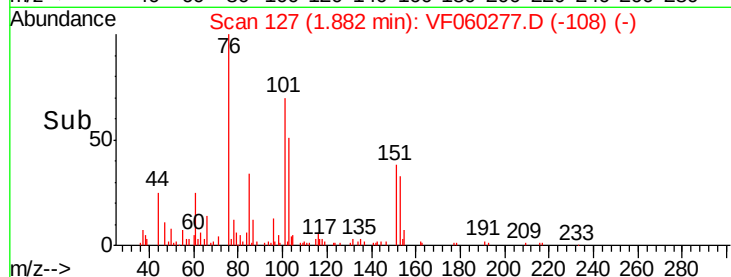
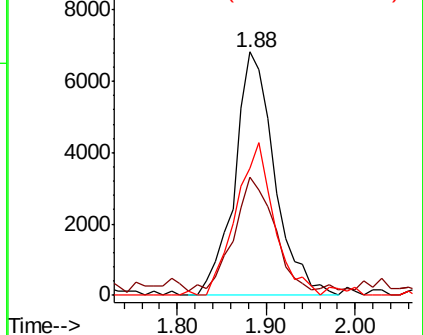
151 52.4 50.8 76.2



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: 5.765 ug/l

RT: 1.96 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

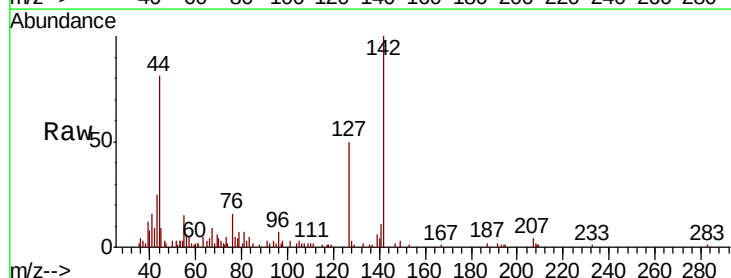
Tgt Ion:142 Resp: 33270

Ion Ratio Lower Upper

142 100

127 50.2 55.4 83.0#

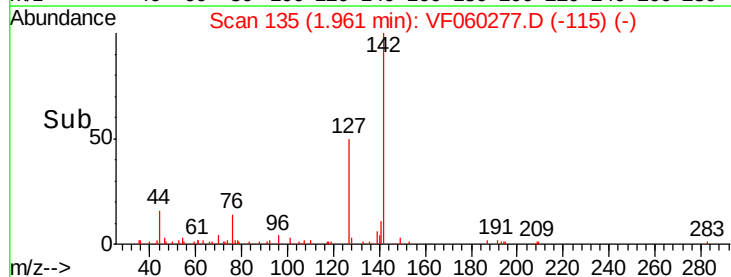
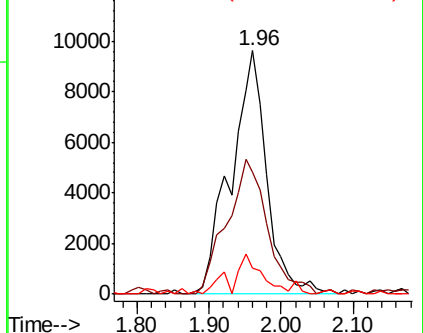
141 10.9 13.3 19.9#

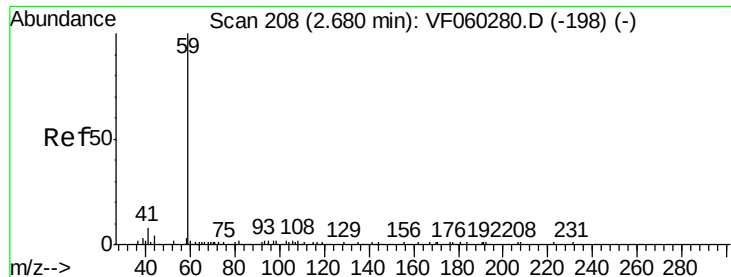


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



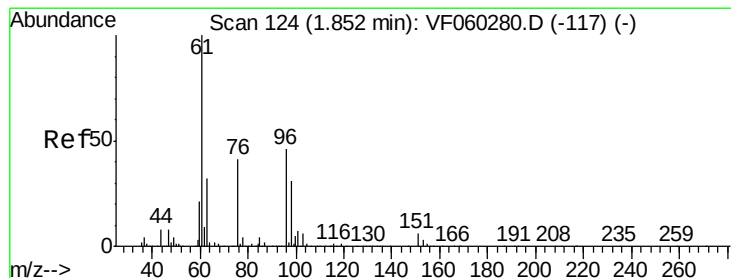
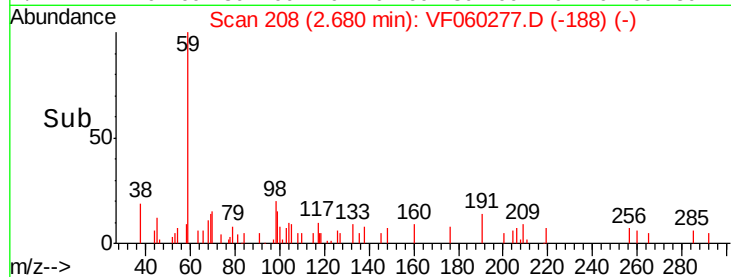
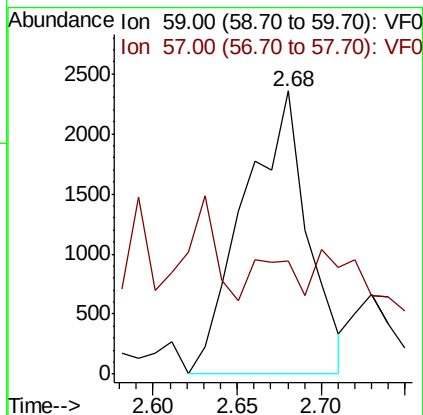
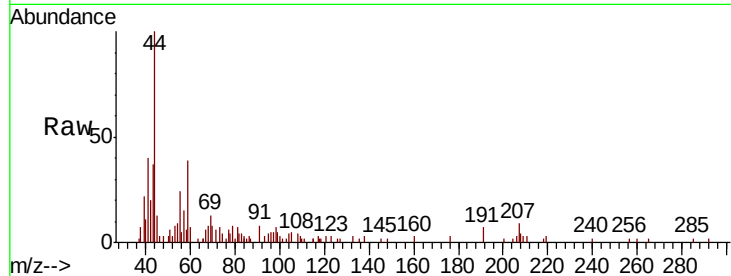


#11

Tert butyl alcohol
Concen: 27.624 ug/l
RT: 2.68 min Scan# 208
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampled :
VSTDIC005

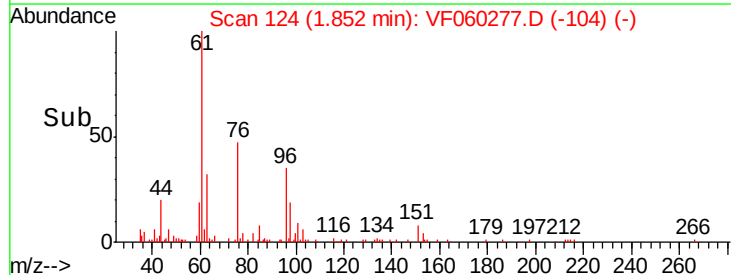
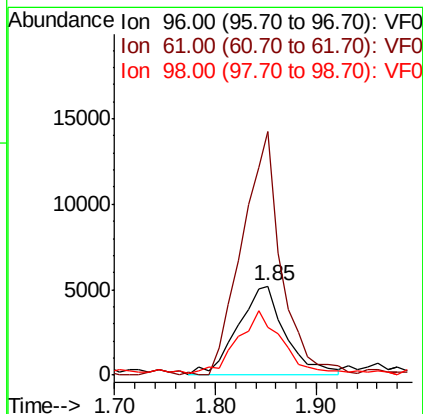
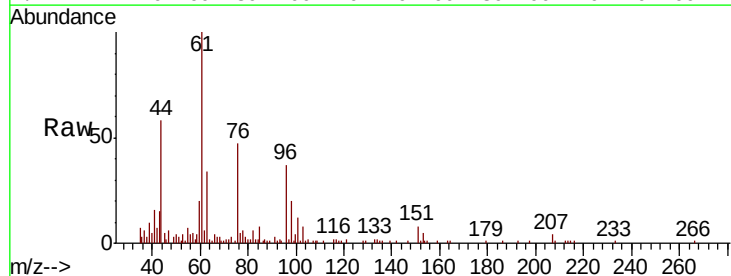
Tgt Ion: 59 Resp: 6167
Ion Ratio Lower Upper
59 100
57 39.8 12.4 18.6#

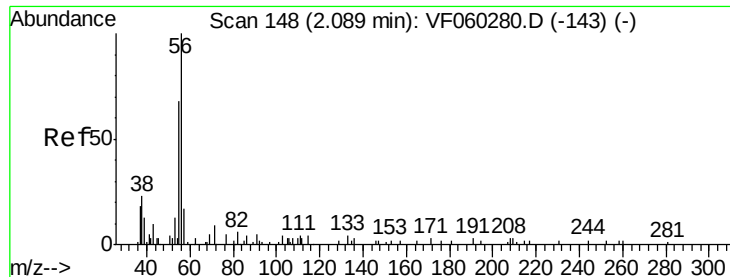


#12

1,1-Dichloroethene
Concen: 5.805 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion: 96 Resp: 17183
Ion Ratio Lower Upper
96 100
61 273.1 172.2 258.2#
98 54.1 54.1 81.1

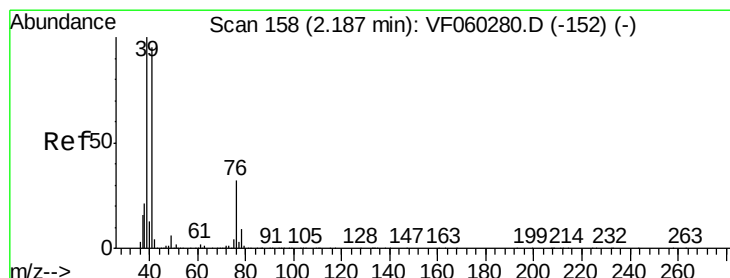
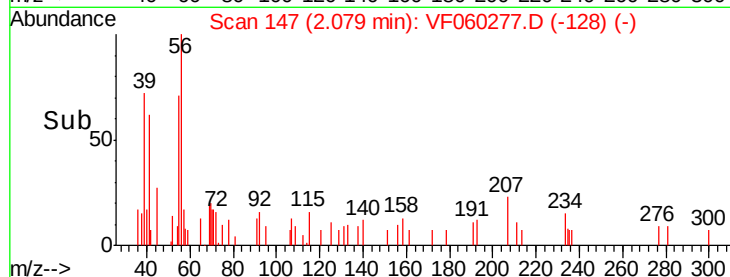
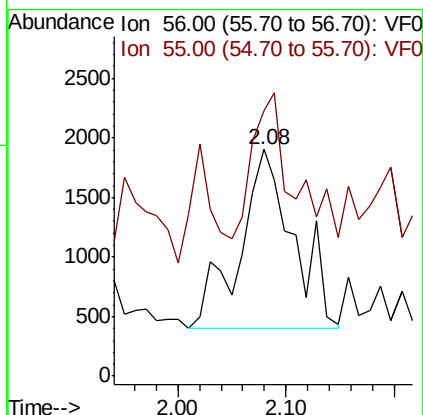
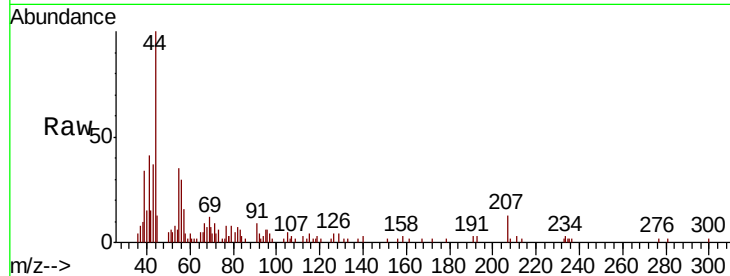




#13
Acrolein
Concen: 47.377 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

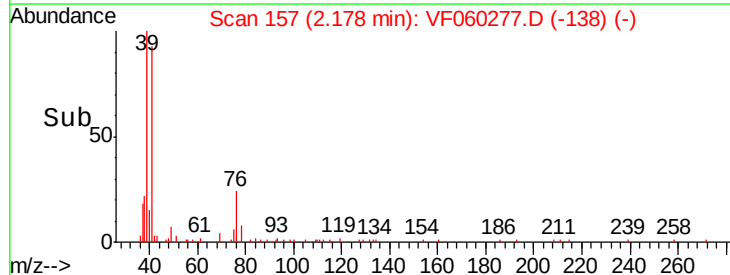
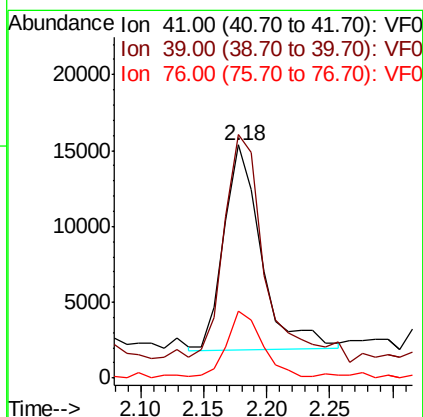
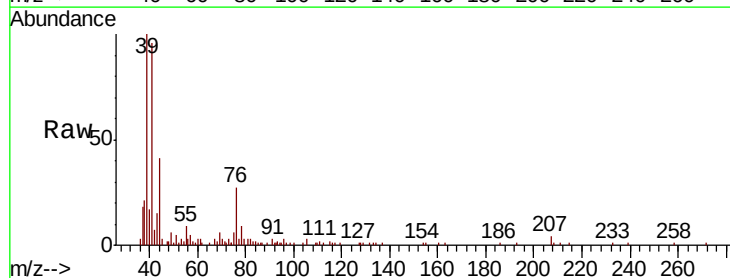
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

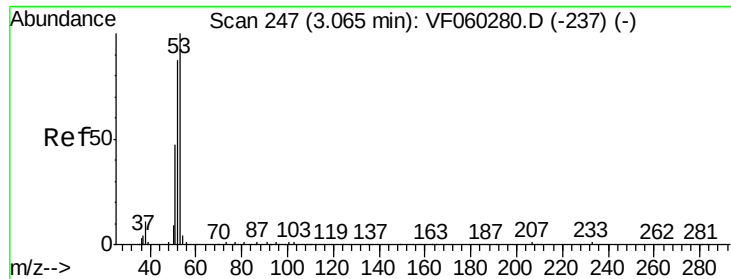
Tgt Ion: 56 Resp: 5170
Ion Ratio Lower Upper
56 100
55 117.0 69.9 104.9#



#14
Allyl chloride
Concen: 5.375 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion: 41 Resp: 27762
Ion Ratio Lower Upper
41 100
39 104.4 84.8 127.2
76 28.7 27.4 41.2





#15

Acrylonitrile

Concen: 29.374 ug/l

RT: 3.06 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

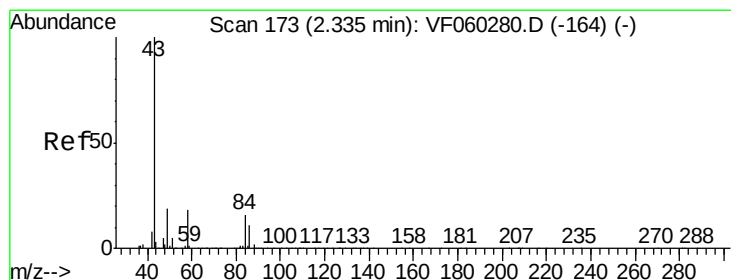
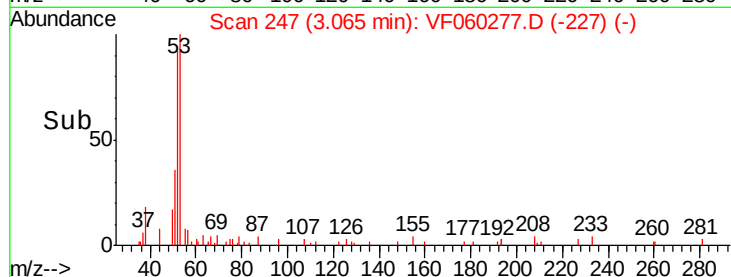
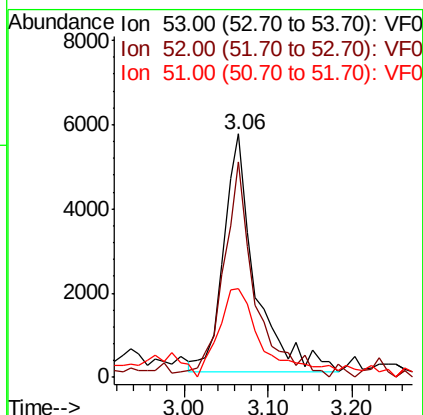
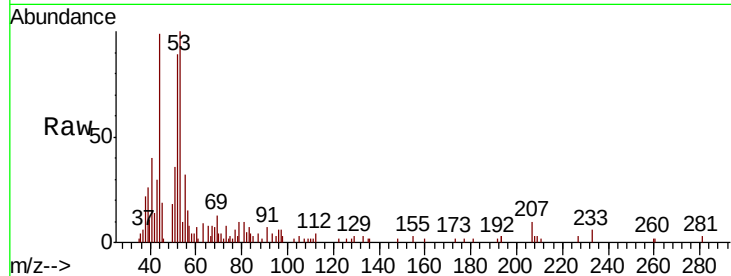
Tgt Ion: 53 Resp: 14529

Ion Ratio Lower Upper

53 100

52 88.5 69.5 104.3

51 36.3 38.1 57.1#



#16

Acetone

Concen: 30.047 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060277.D

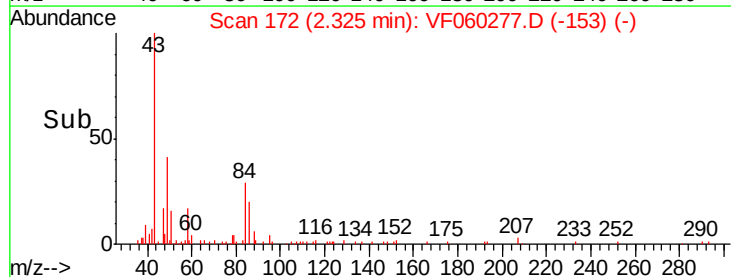
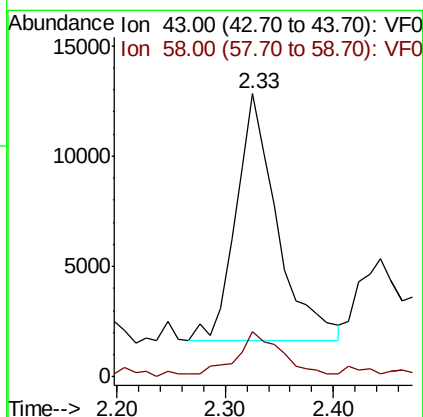
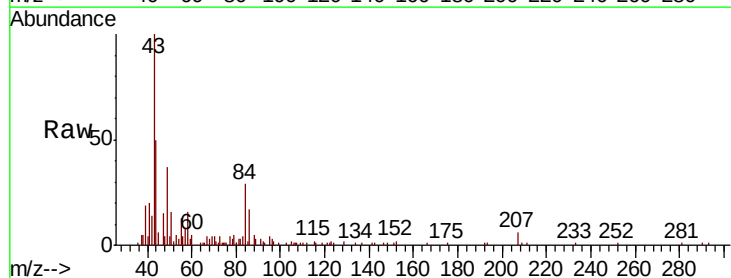
Acq: 19 Sep 2018 12:50

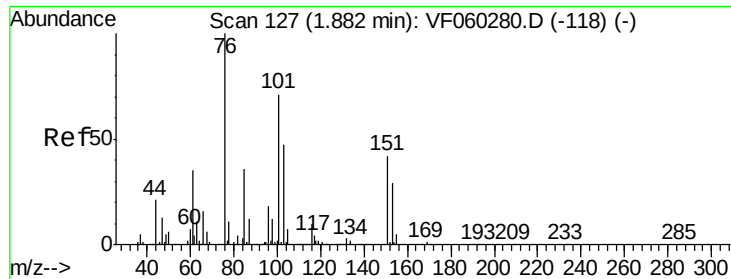
Tgt Ion: 43 Resp: 29635

Ion Ratio Lower Upper

43 100

58 16.0 14.5 21.7





#17

Carbon Disulfide

Concen: 6.022 ug/l

RT: 1.87 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

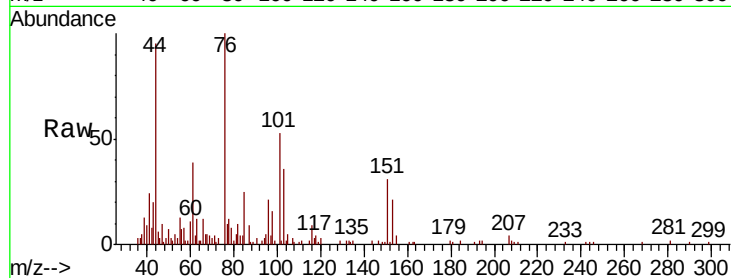
VSTDIC005

Tgt Ion: 76 Resp: 53793

Ion Ratio Lower Upper

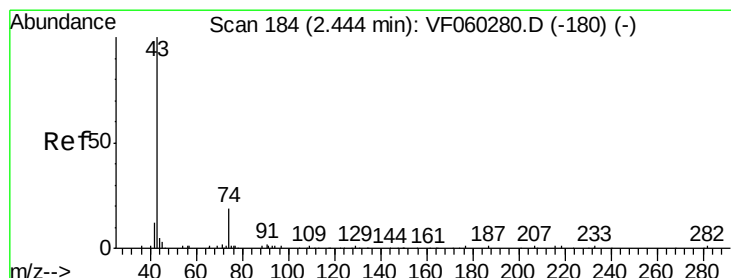
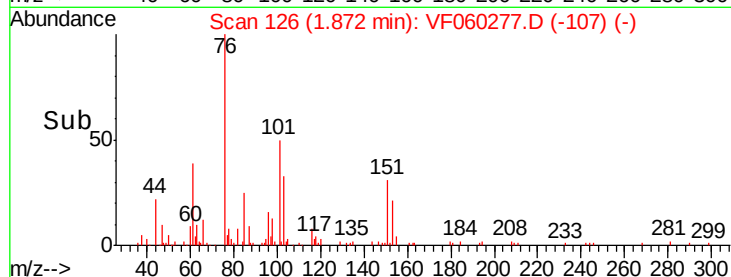
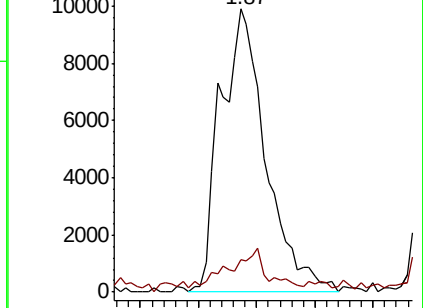
76 100

78 11.6 9.4 14.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 6.199 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF060277.D

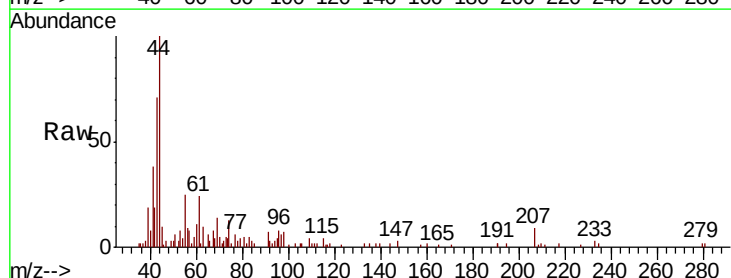
Acq: 19 Sep 2018 12:50

Tgt Ion: 43 Resp: 10186

Ion Ratio Lower Upper

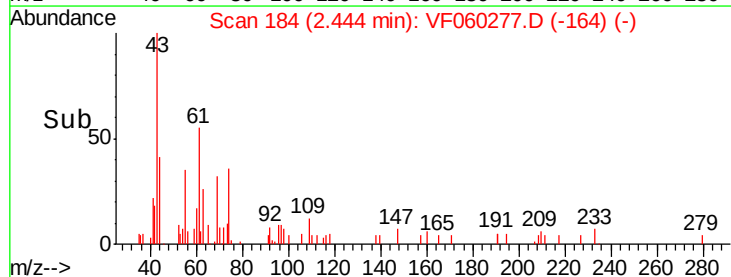
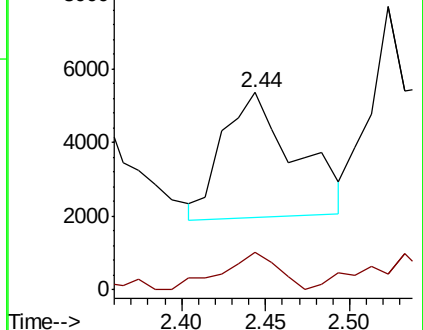
43 100

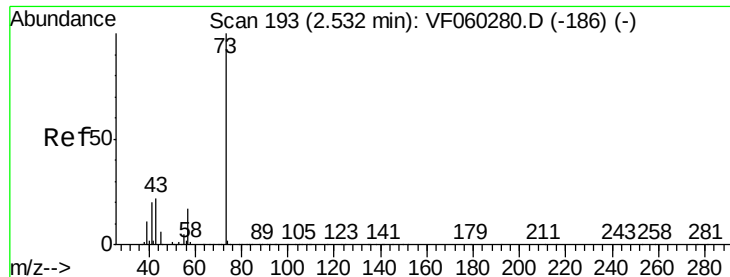
74 18.9 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

Methyl tert-butyl Ether

Concen: 5.745 ug/l

RT: 2.53 min Scan# 193

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

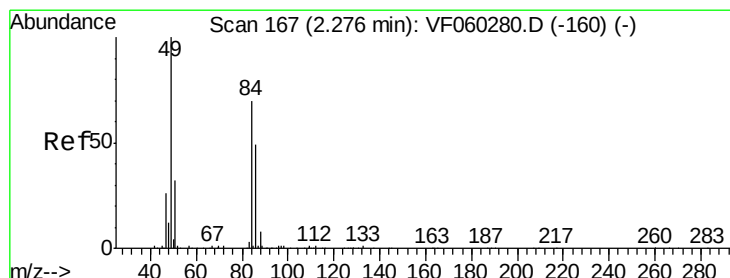
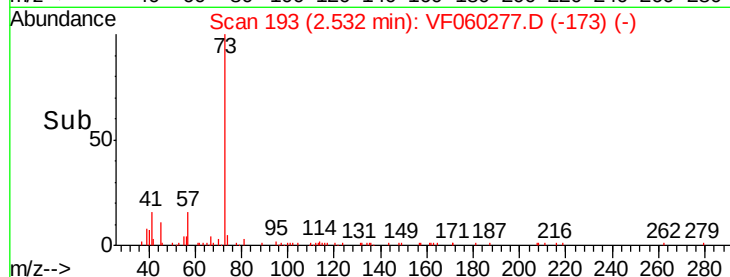
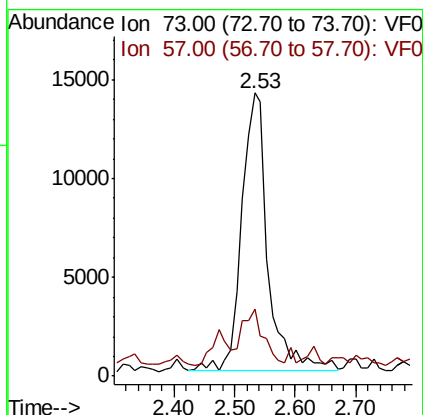
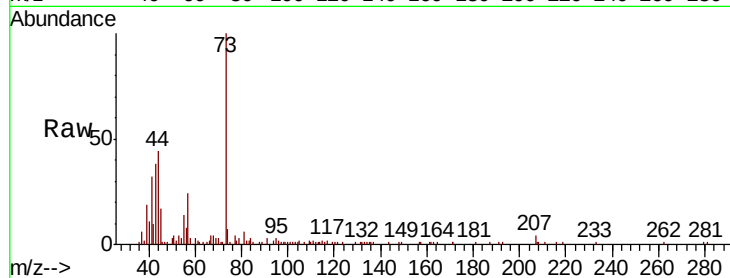
VSTDIC005

Tgt Ion: 73 Resp: 42389

Ion Ratio Lower Upper

73 100

57 23.8 14.5 21.7#



#20

Methylene Chloride

Concen: 3.313 ug/l

RT: 2.28 min Scan# 167

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Tgt Ion: 84 Resp: 11617

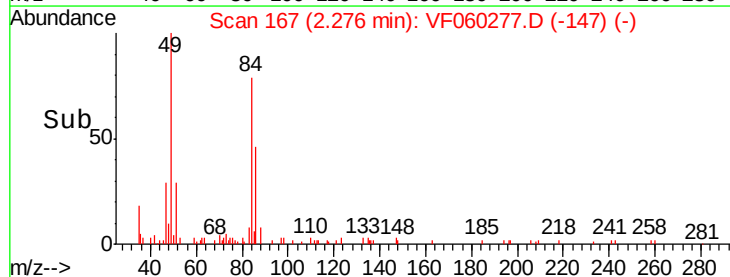
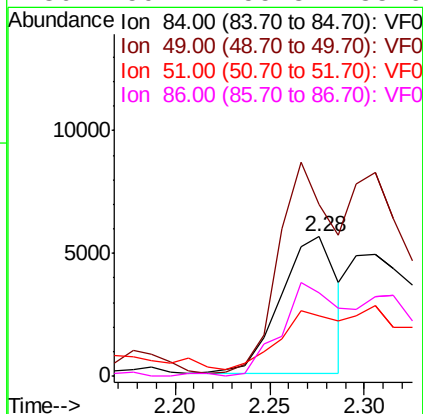
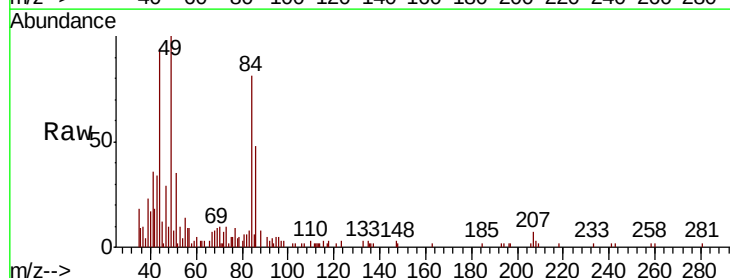
Ion Ratio Lower Upper

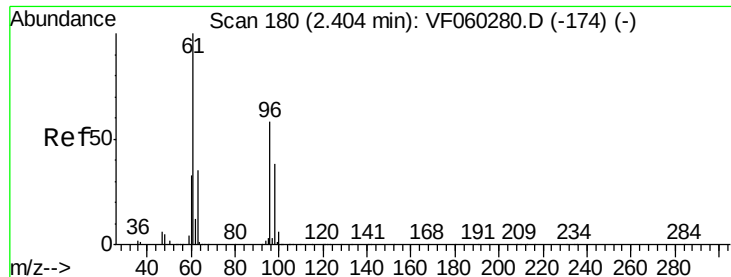
84 100

49 123.5 118.3 177.5

51 42.9 38.7 58.1

86 59.7 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 5.959 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

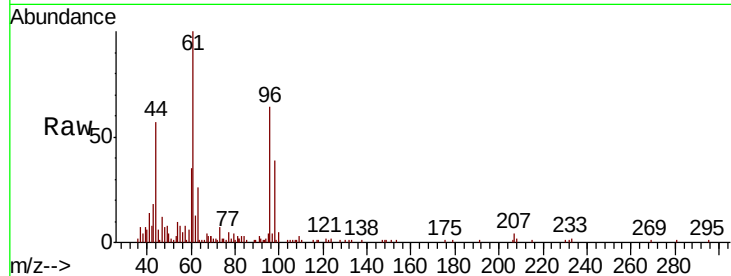
Tgt Ion: 96 Resp: 18218

Ion Ratio Lower Upper

96 100

61 156.5 136.4 204.6

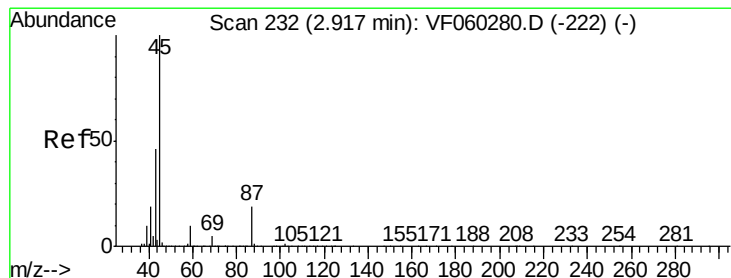
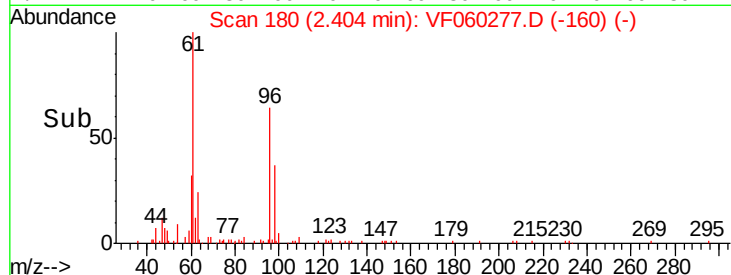
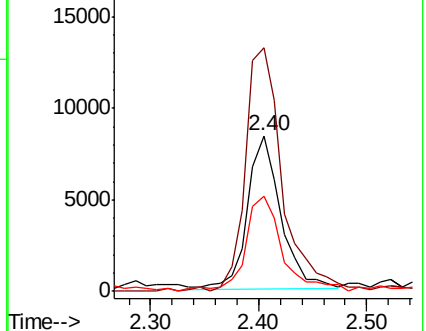
98 63.0 51.8 77.6



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: 5.574 ug/l

RT: 2.92 min Scan# 232

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Tgt Ion: 45 Resp: 54321

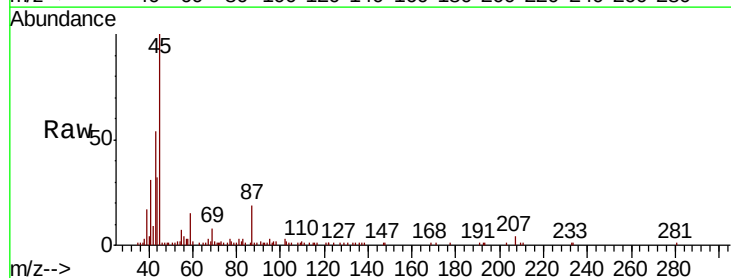
Ion Ratio Lower Upper

45 100

43 54.4 38.2 57.2

87 19.4 15.5 23.3

59 15.0 7.7 11.5#

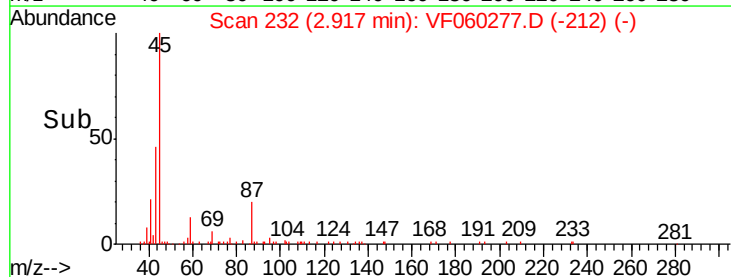
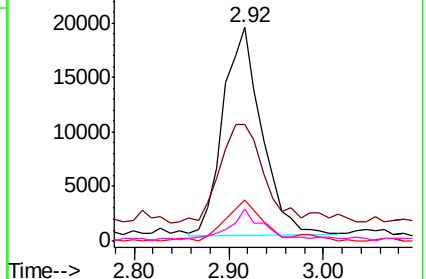


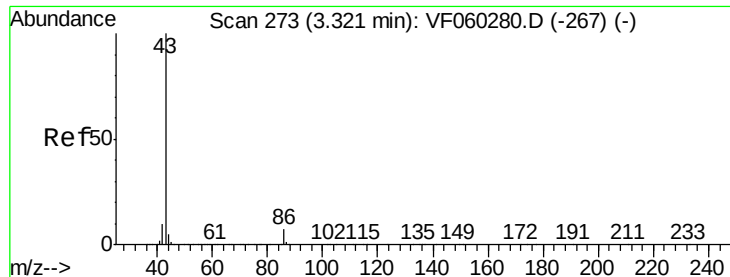
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 27.711 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

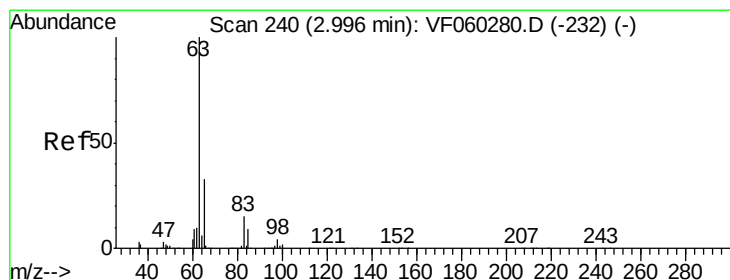
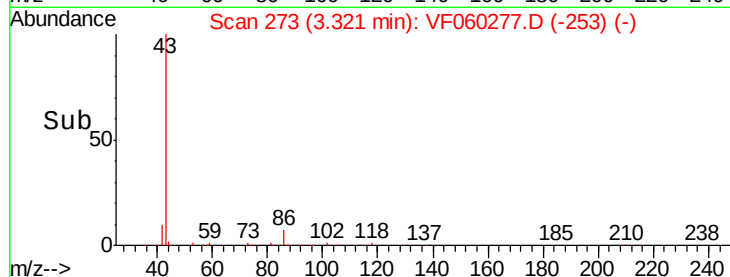
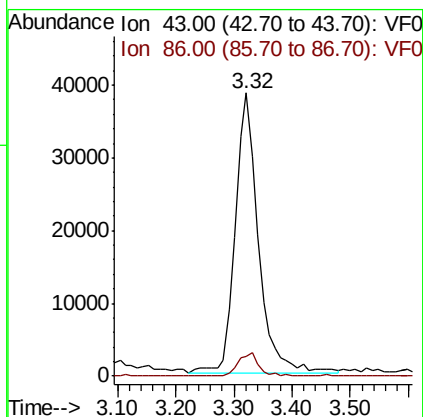
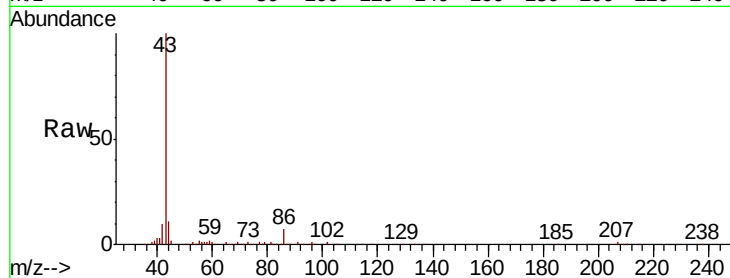
VSTDIC005

Tgt Ion: 43 Resp: 106059

Ion Ratio Lower Upper

43 100

86 7.2 5.9 8.9



#24

1,1-Dichloroethane

Concen: 5.991 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

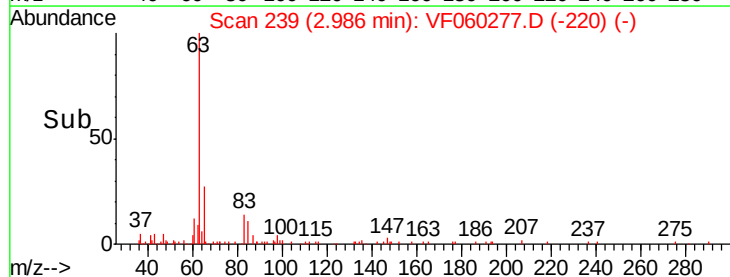
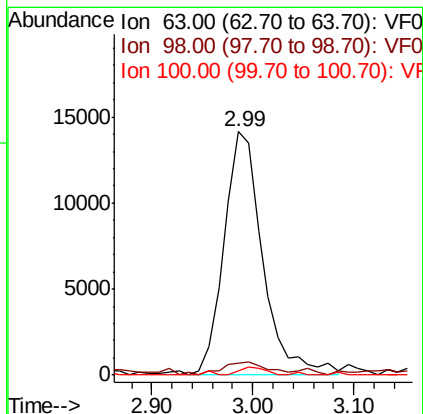
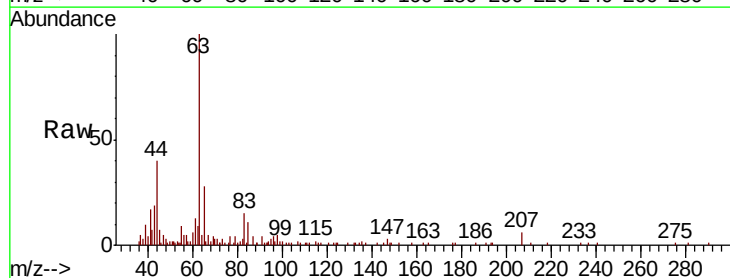
Tgt Ion: 63 Resp: 37860

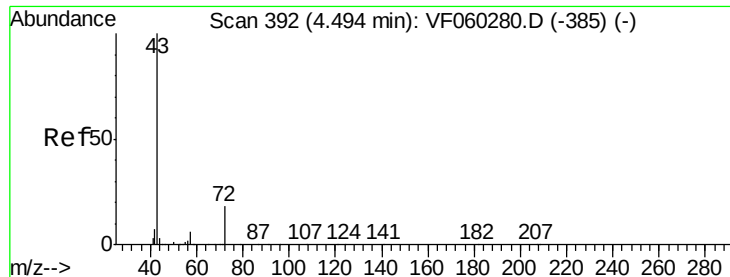
Ion Ratio Lower Upper

63 100

98 4.9 2.1 6.5

100 1.5 1.1 3.3





#25

2-Butanone

Concen: 27.235 ug/l

RT: 4.50 min Scan# 393

Delta R.T. 0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

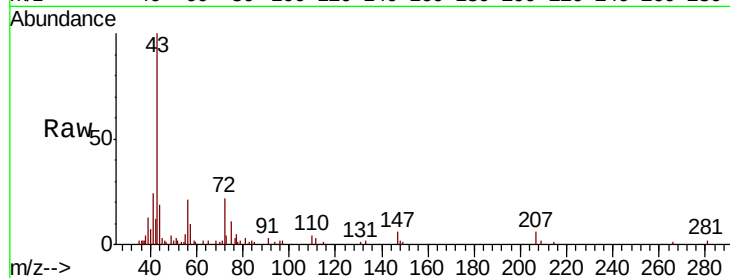
VSTDIC005

Tgt Ion: 43 Resp: 36156

Ion Ratio Lower Upper

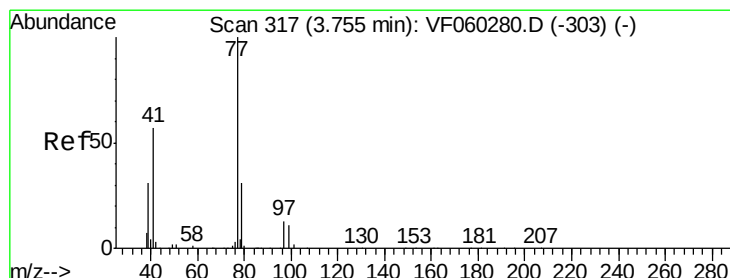
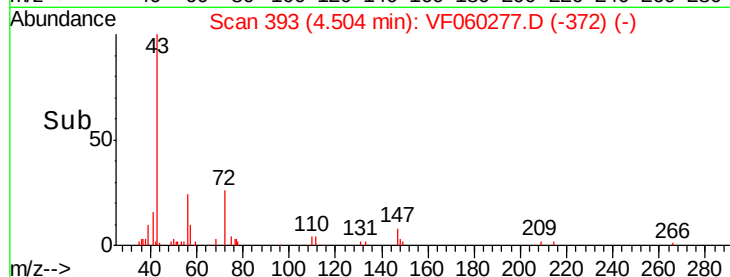
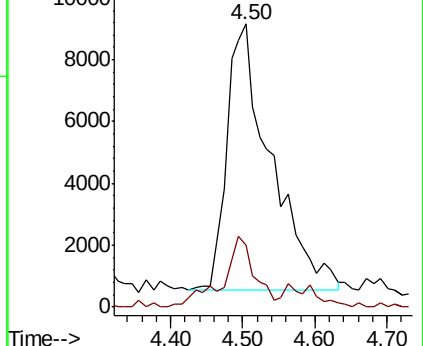
43 100

72 21.8 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 5.856 ug/l

RT: 3.74 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060277.D

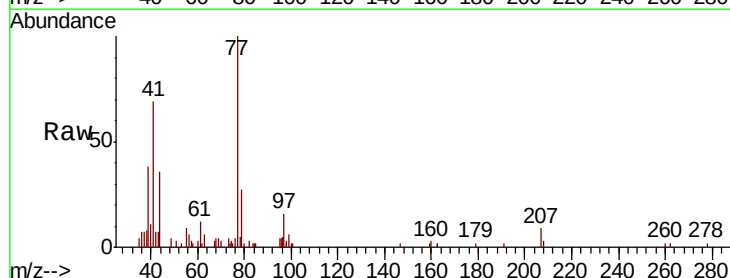
Acq: 19 Sep 2018 12:50

Tgt Ion: 77 Resp: 21117

Ion Ratio Lower Upper

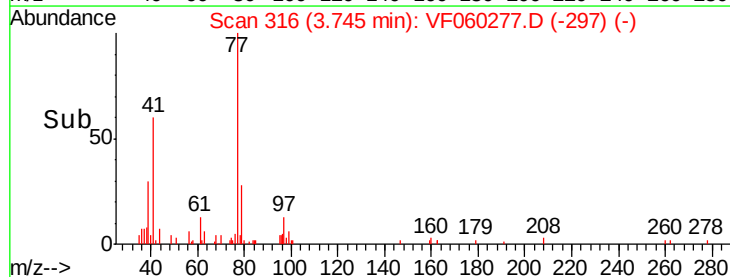
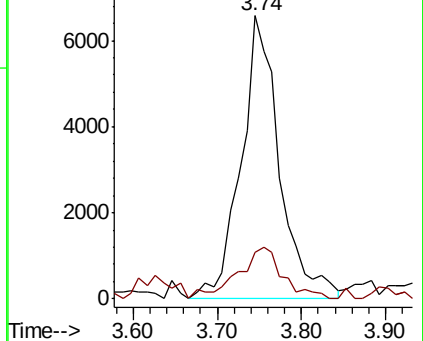
77 100

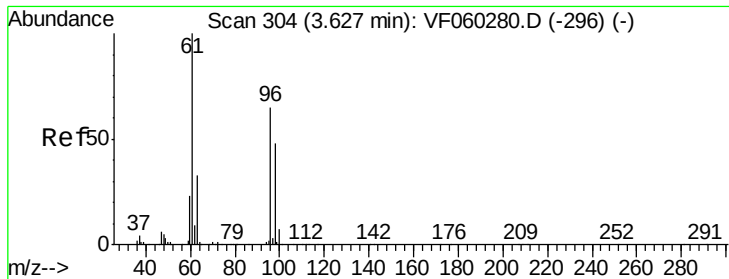
97 19.2 9.3 27.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

cis-1,2-Dichloroethene

Concen: 5.417 ug/l

RT: 3.63 min Scan# 304

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

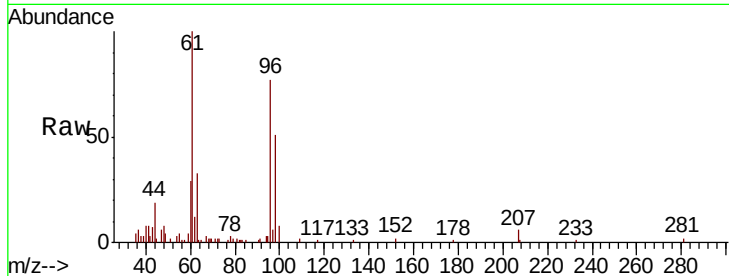
Tgt Ion: 96 Resp: 21754

Ion Ratio Lower Upper

96 100

61 130.0 0.0 304.8

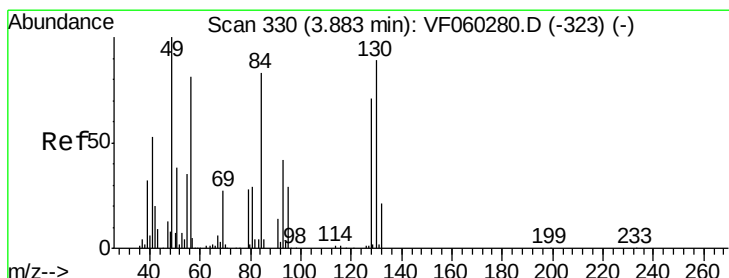
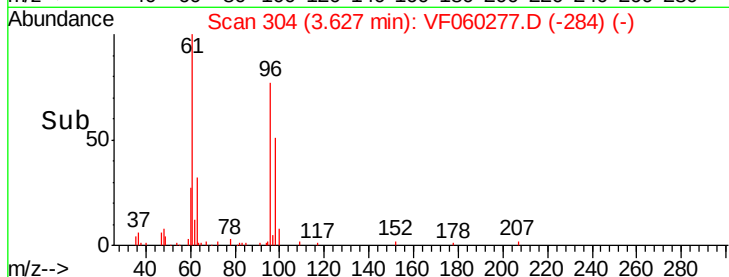
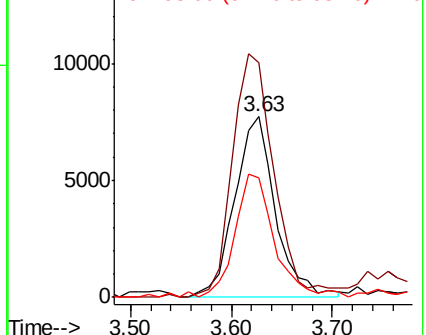
98 65.9 0.0 146.4



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: 5.882 ug/l

RT: 3.87 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

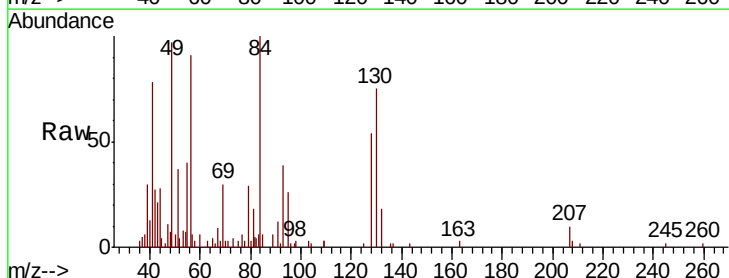
Tgt Ion: 49 Resp: 14472

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

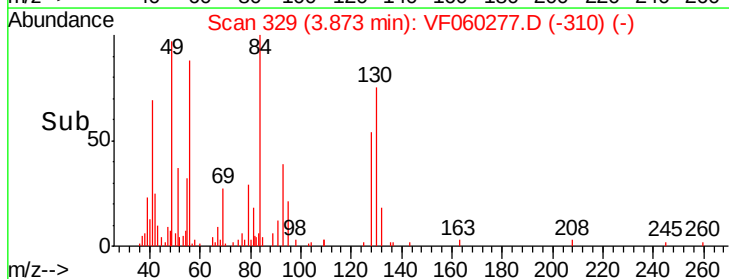
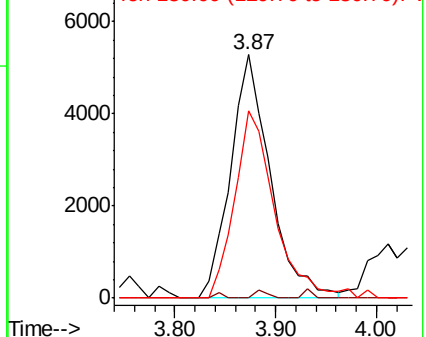
130 77.1 70.3 105.5

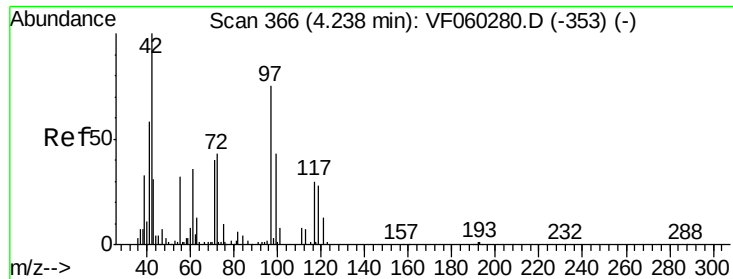


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 30.478 ug/l

RT: 4.25 min Scan# 367

Delta R.T. 0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

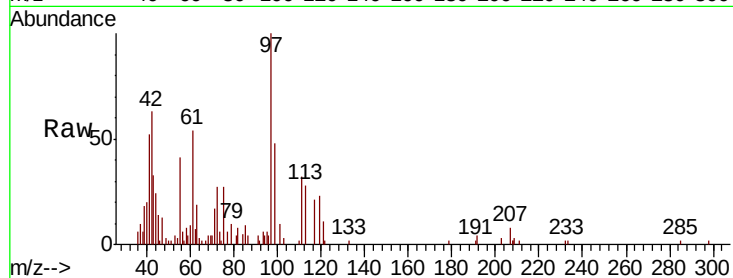
Tgt Ion: 42 Resp: 14817

Ion Ratio Lower Upper

42 100

72 40.8 32.6 49.0

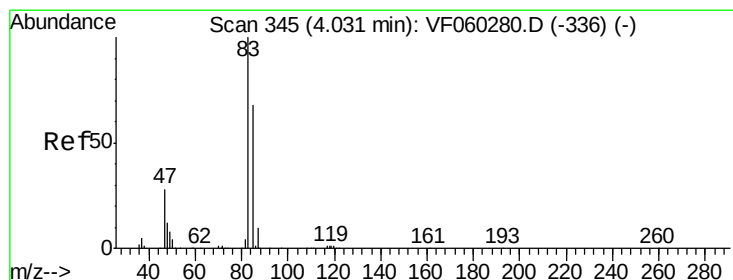
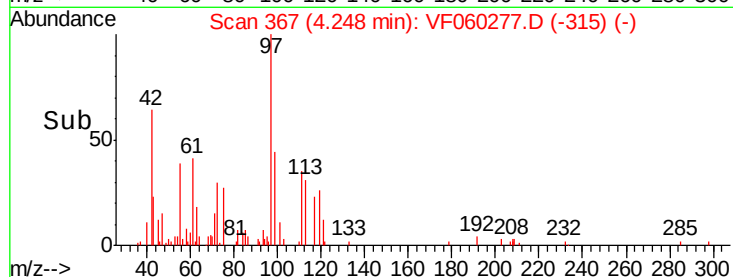
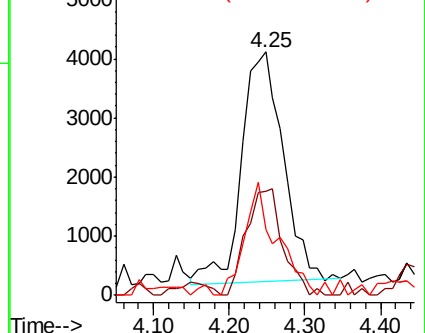
71 37.9 32.7 49.1



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: 5.391 ug/l

RT: 4.02 min Scan# 344

Delta R.T. -0.01 min

Lab File: VF060277.D

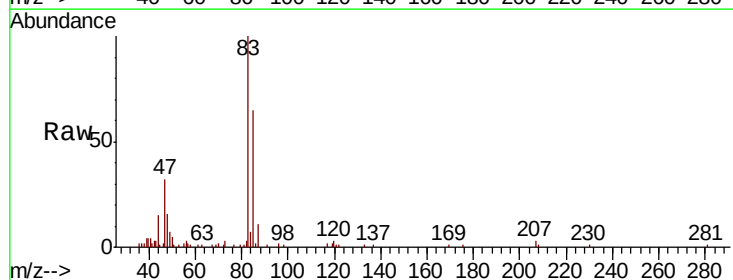
Acq: 19 Sep 2018 12:50

Tgt Ion: 83 Resp: 41108

Ion Ratio Lower Upper

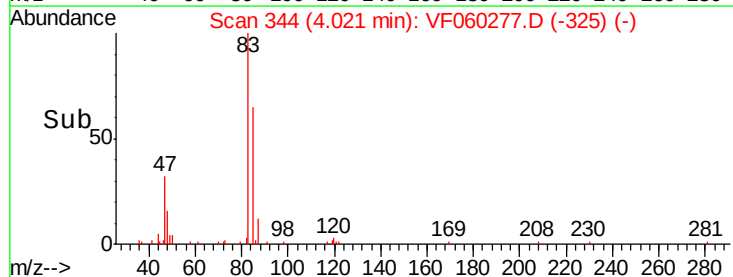
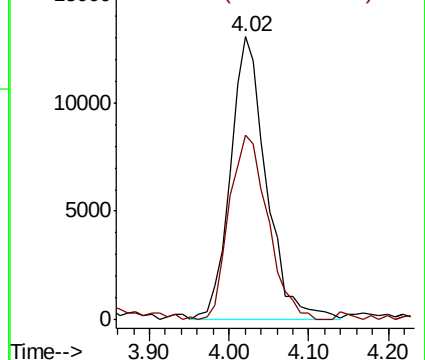
83 100

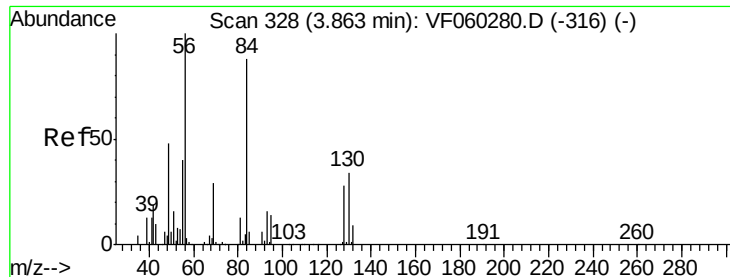
85 65.5 54.9 82.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

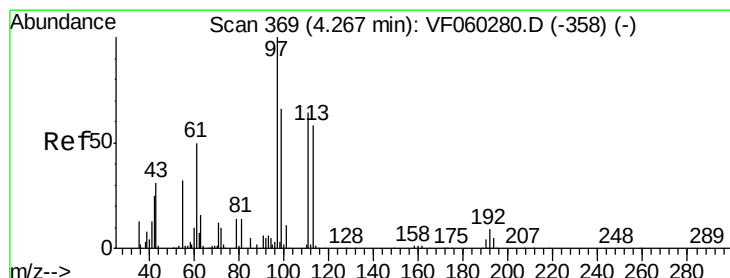
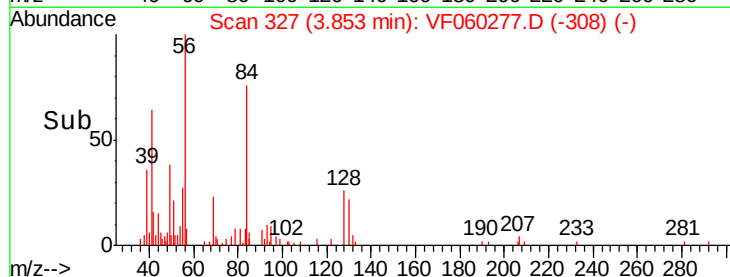
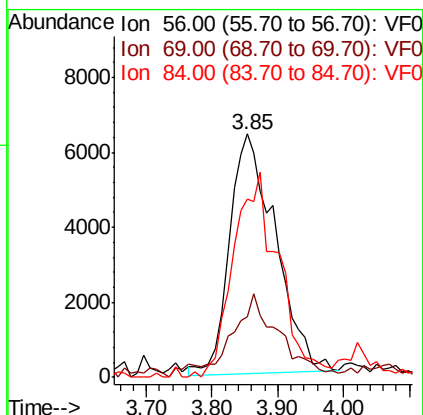
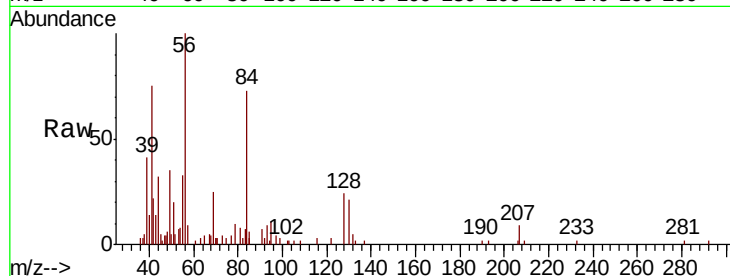




#31
Cyclohexane
Concen: 5.852 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

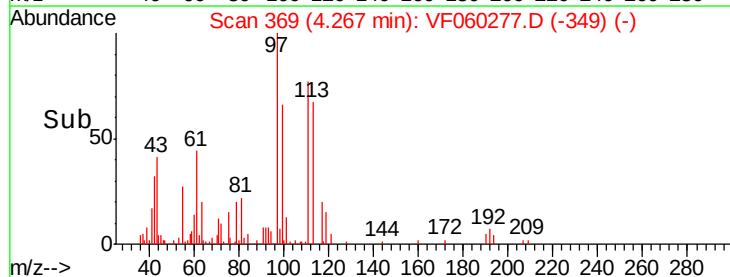
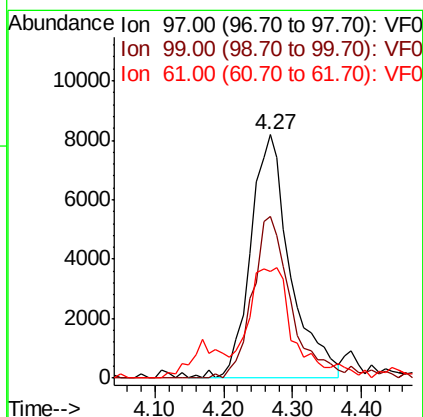
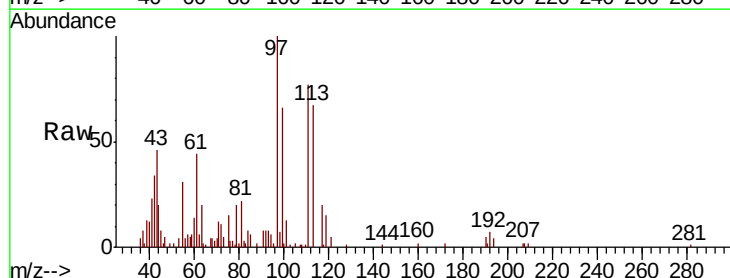
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

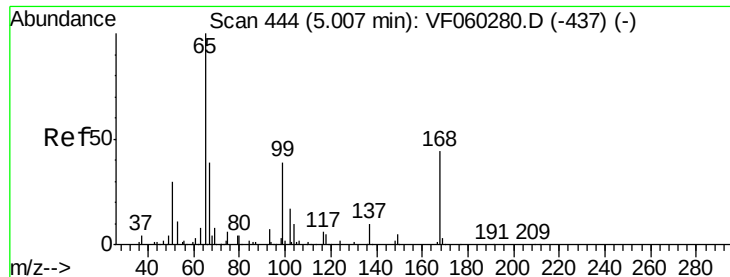
Tgt Ion: 56 Resp: 31241
Ion Ratio Lower Upper
56 100
69 24.8 23.8 35.6
84 73.3 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 5.447 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion: 97 Resp: 32775
Ion Ratio Lower Upper
97 100
99 66.3 53.0 79.4
61 43.9 40.6 61.0

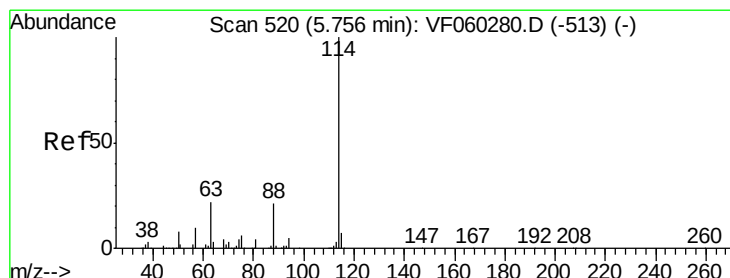
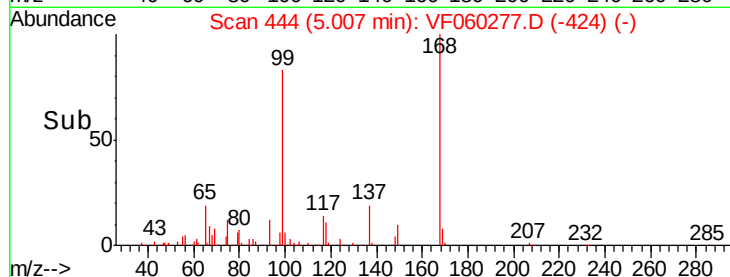
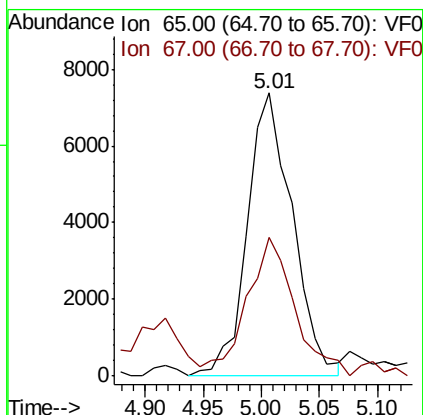
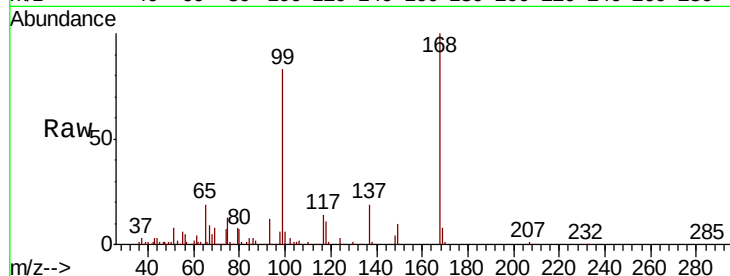




#33
 1,2-Dichloroethane-d4
 Concen: 5.661 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

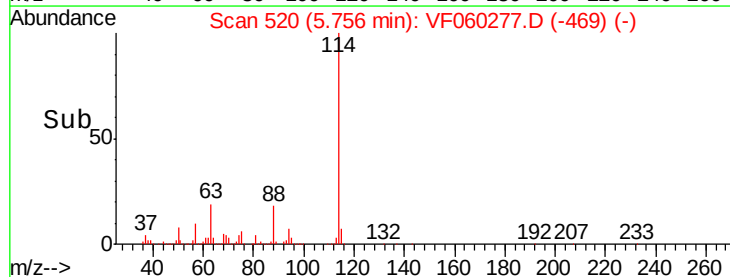
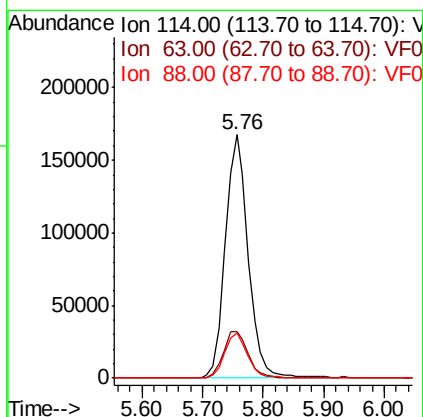
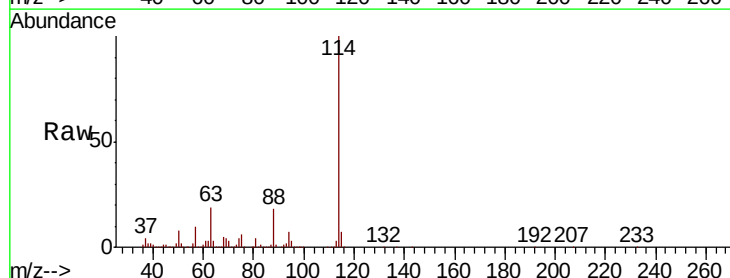
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

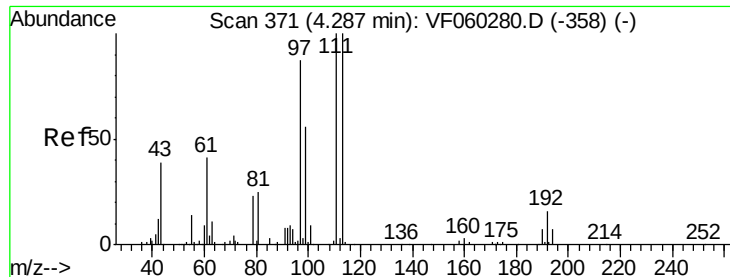
Tgt Ion: 65 Resp: 19825
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Tgt Ion: 114 Resp: 439783
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 43.8
 88 18.4 0.0 41.2

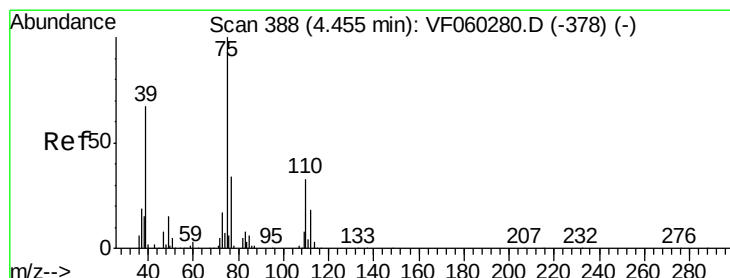
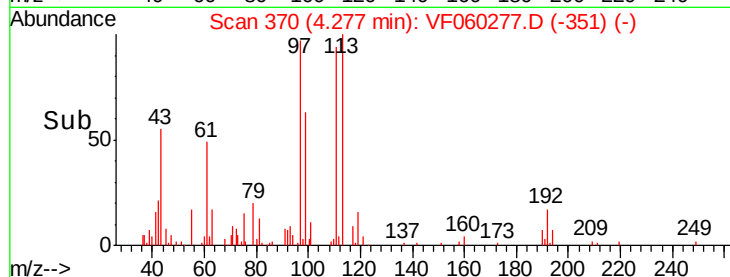
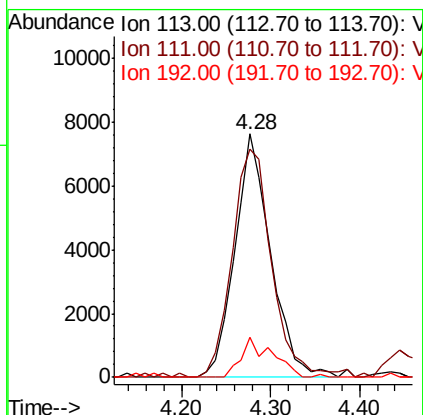
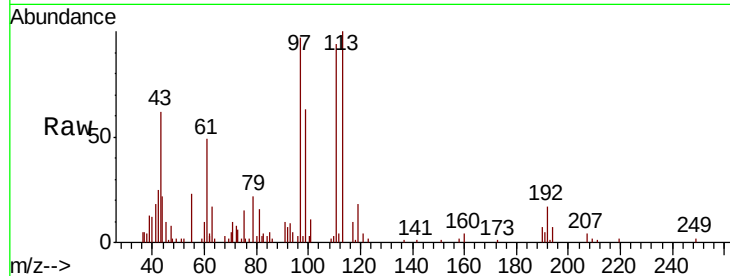




#35
 Dibromofluoromethane
 Concen: 5.425 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

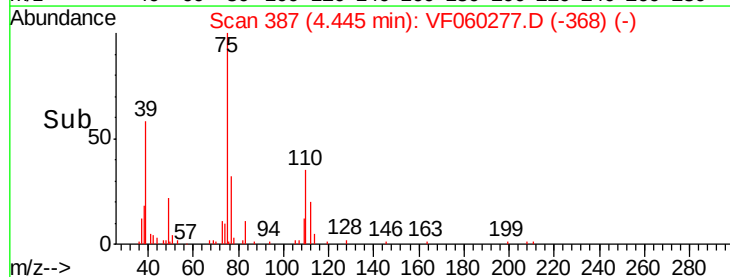
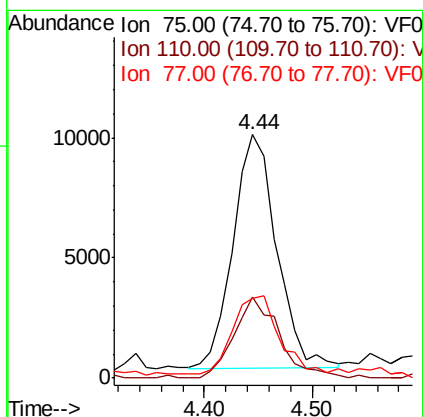
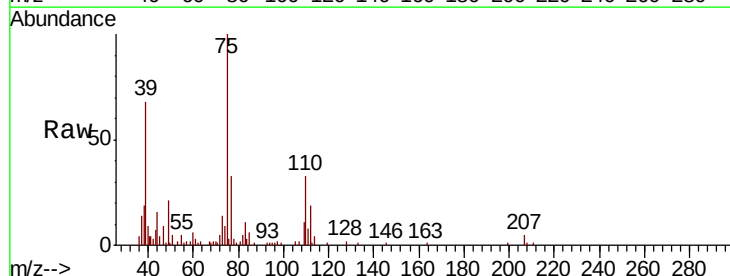
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

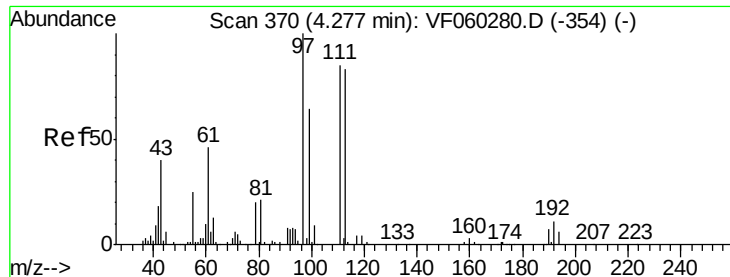
Tgt Ion	Ratio	Lower	Upper
113	100		
111	93.5	79.6	119.4
192	16.6	13.0	19.6



#36
 1,1-Dichloropropene
 Concen: 5.025 ug/l
 RT: 4.44 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.4	49.2
77	32.5	27.3	40.9





#37

Ethyl Acetate

Concen: 5.518 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

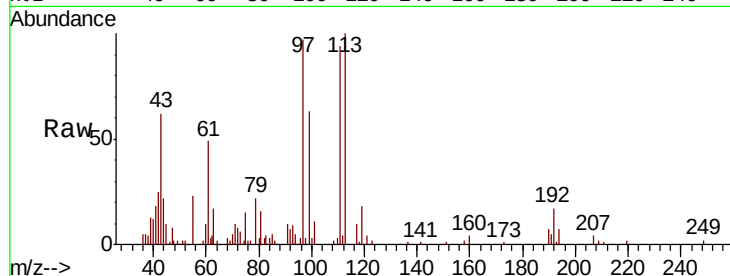
Tgt Ion: 43 Resp: 12809

Ion Ratio Lower Upper

43 100

61 78.8 91.1 136.7#

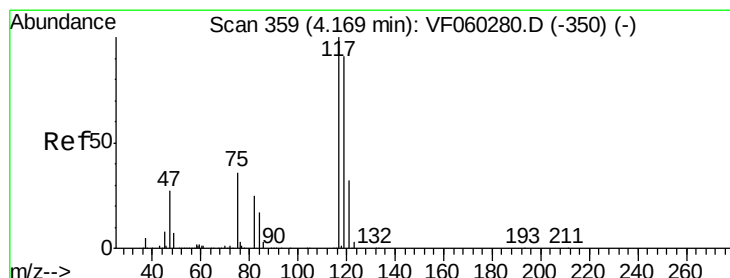
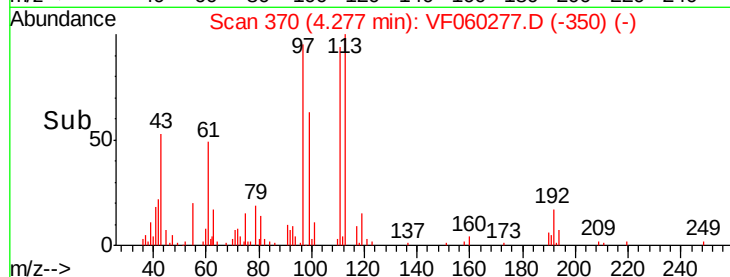
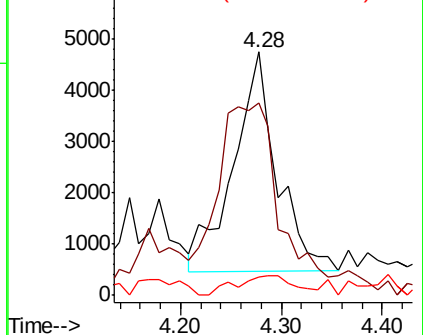
70 7.6 6.9 10.3



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: 5.013 ug/l

RT: 4.16 min Scan# 358

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

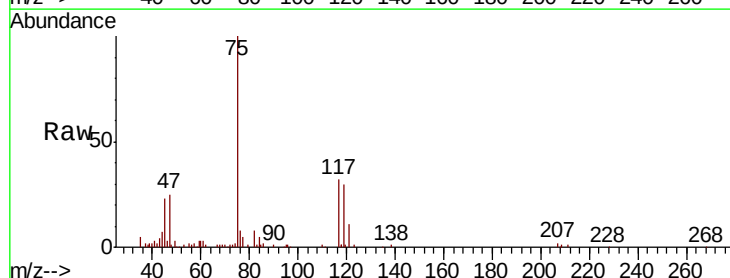
Tgt Ion: 117 Resp: 31380

Ion Ratio Lower Upper

117 100

119 93.6 73.0 109.6

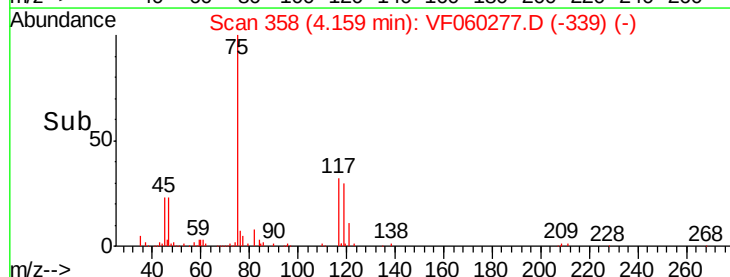
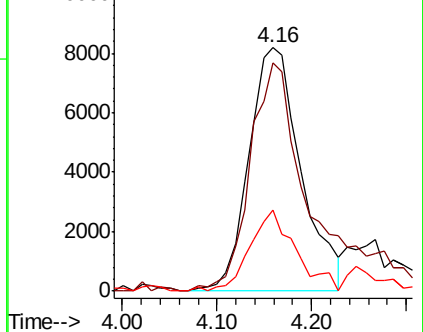
121 33.2 25.4 38.2

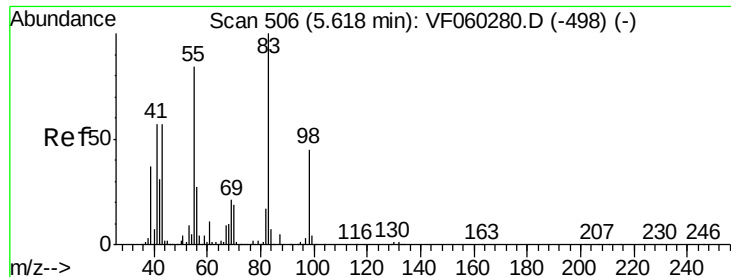


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

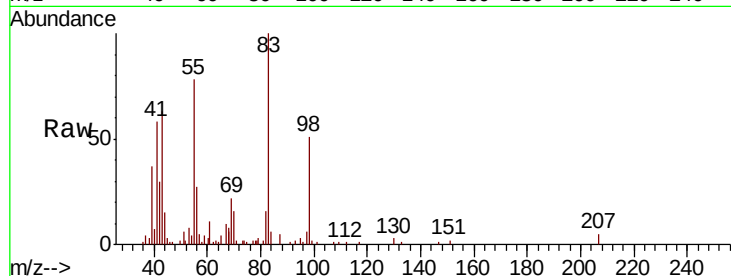




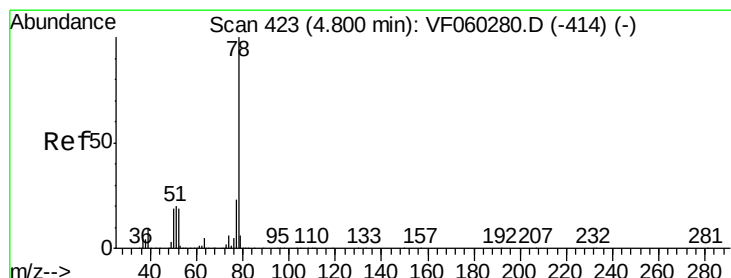
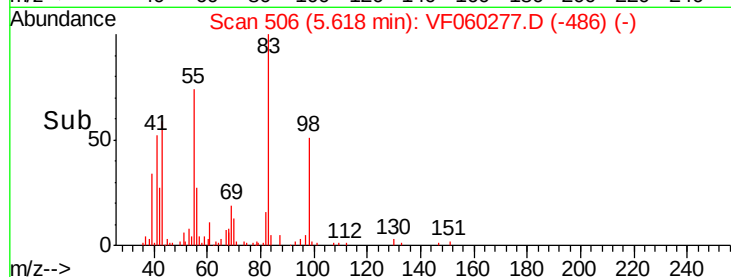
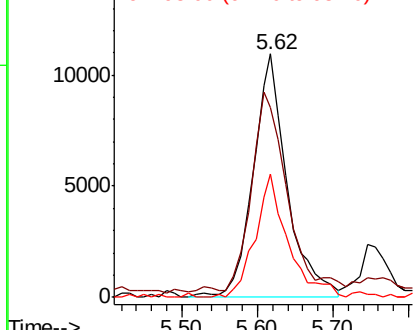
#39
Methylcyclohexane
Concen: 5.760 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 34248
Ion Ratio Lower Upper
83 100
55 78.2 67.3 100.9
98 50.6 36.1 54.1

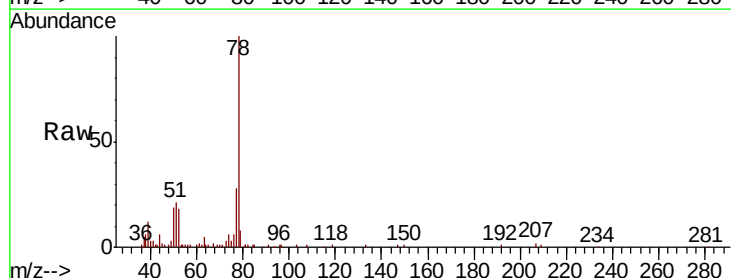


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

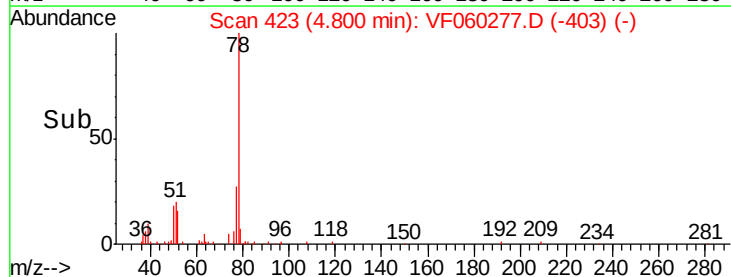
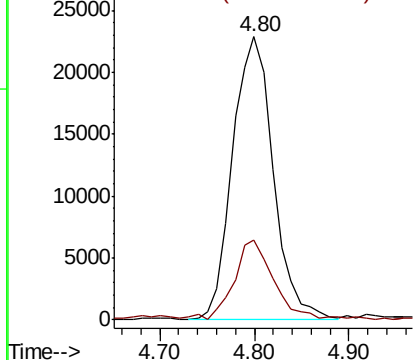


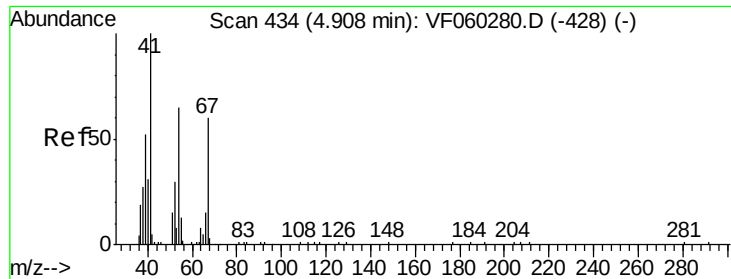
#40
Benzene
Concen: 5.488 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion: 78 Resp: 68269
Ion Ratio Lower Upper
78 100
77 28.3 18.4 27.6#



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

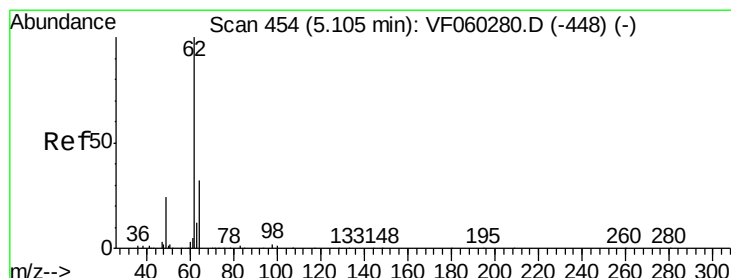
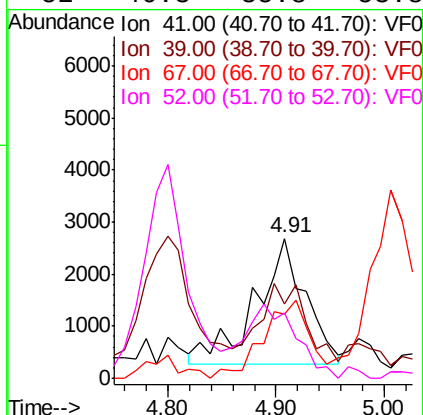
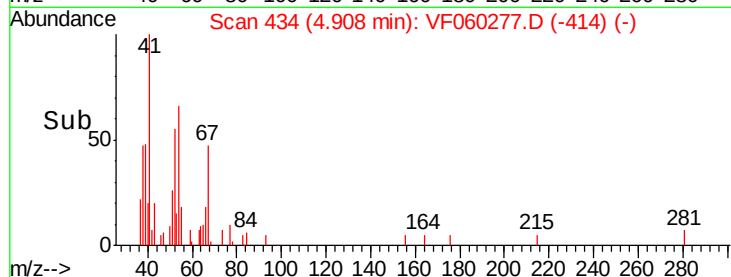
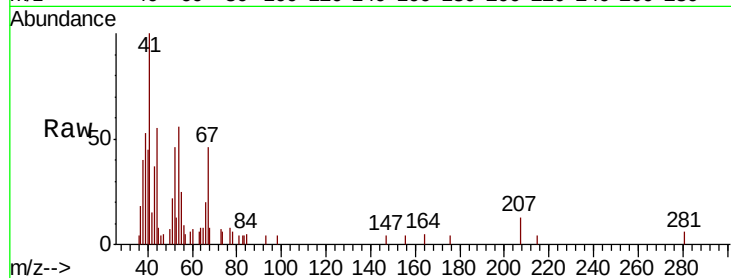




#41
Methacrylonitrile
Concen: 6.163 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

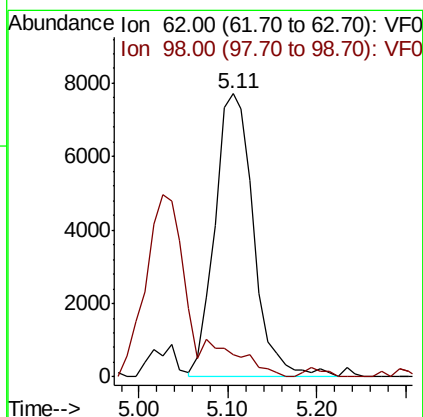
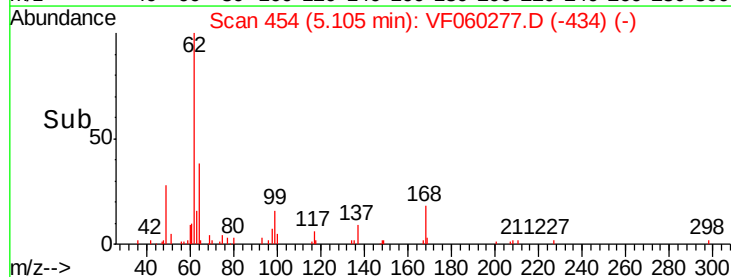
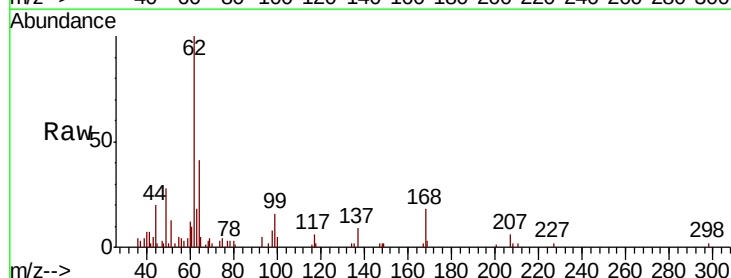
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

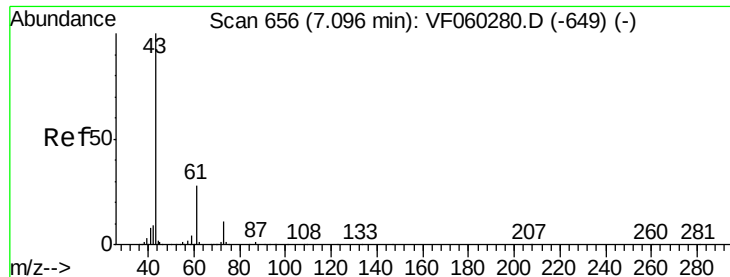
Tgt Ion: 41 Resp: 7762
Ion Ratio Lower Upper
41 100
39 53.1 49.1 73.7
67 45.5 48.2 72.4#
52 46.3 35.8 53.8



#42
1,2-Dichloroethane
Concen: 5.117 ug/l
RT: 5.11 min Scan# 454
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion: 62 Resp: 23427
Ion Ratio Lower Upper
62 100
98 7.9 0.0 14.4





#43

Isopropyl Acetate

Concen: 5.721 ug/l

RT: 7.11 min Scan# 657

Delta R.T. 0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

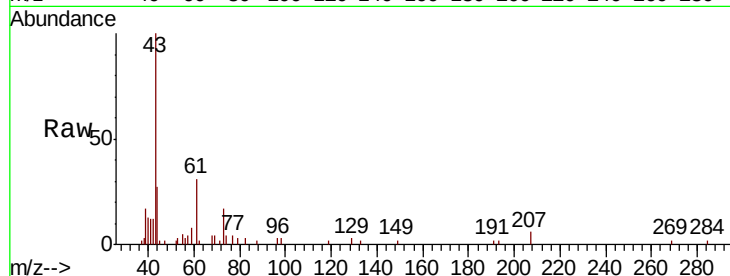
Instrument :

MSVOA_F

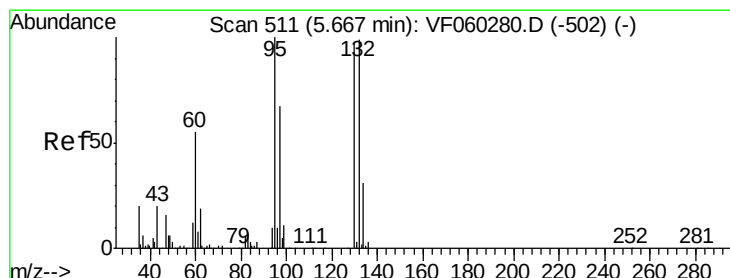
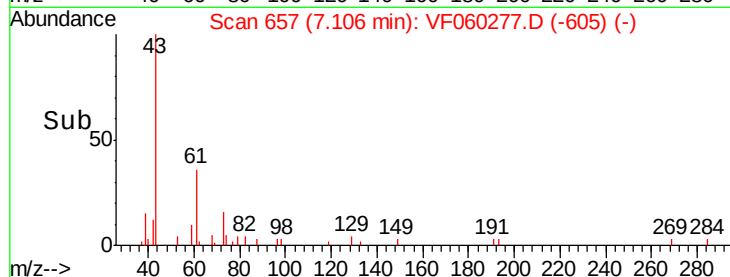
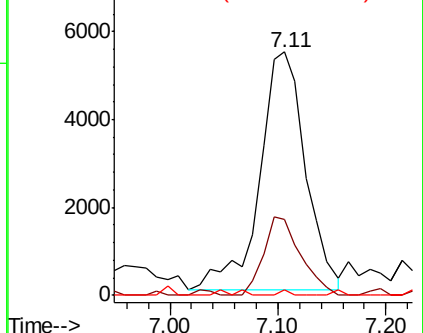
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	15987
Ion	Ratio	Lower	Upper
43	100		
61	31.4	22.4	33.6
87	2.1	0.6	0.8#



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



#44

Trichloroethene

Concen: 5.506 ug/l

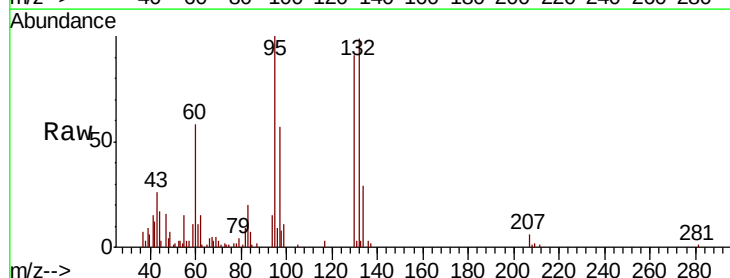
RT: 5.67 min Scan# 511

Delta R.T. 0.00 min

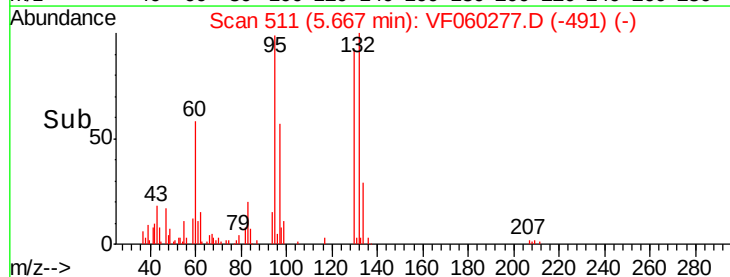
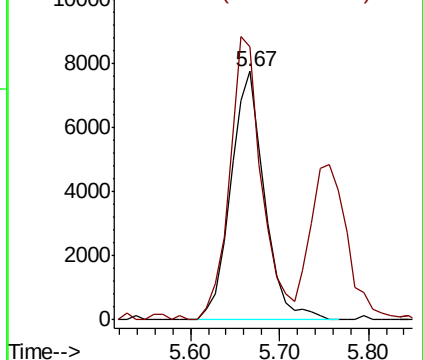
Lab File: VF060277.D

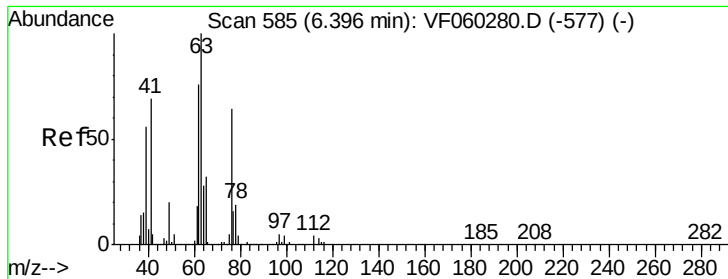
Acq: 19 Sep 2018 12:50

Tgt Ion:	130	Resp:	20381
Ion	Ratio	Lower	Upper
130	100		
95	110.0	0.0	205.6



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





#45

1,2-Dichloropropane

Concen: 5.720 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

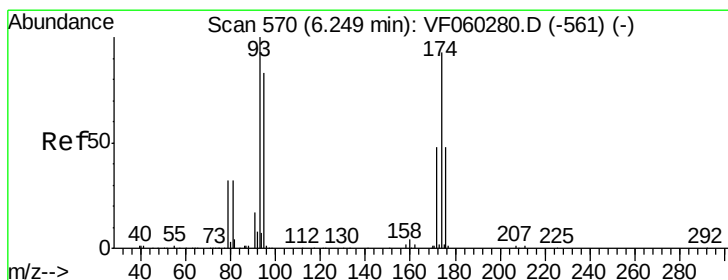
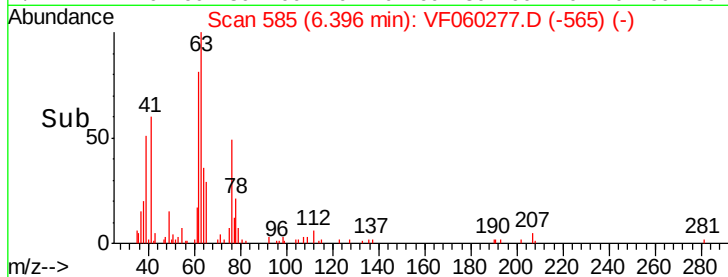
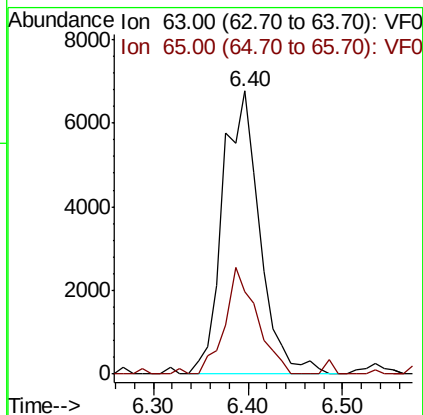
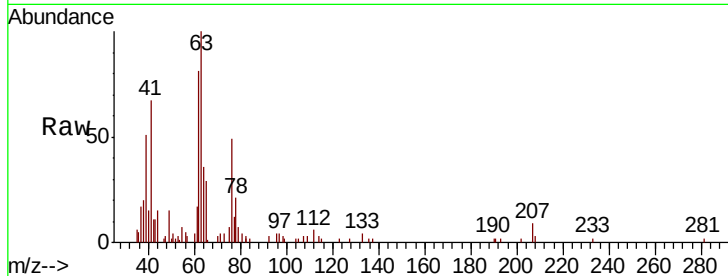
VSTDIC005

Tgt Ion: 63 Resp: 18415

Ion Ratio Lower Upper

63 100

65 28.9 26.2 39.4



#46

Dibromomethane

Concen: 5.145 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

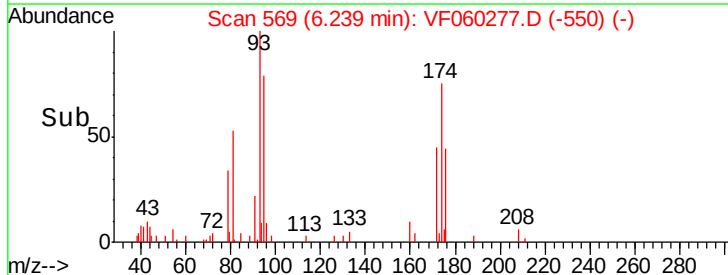
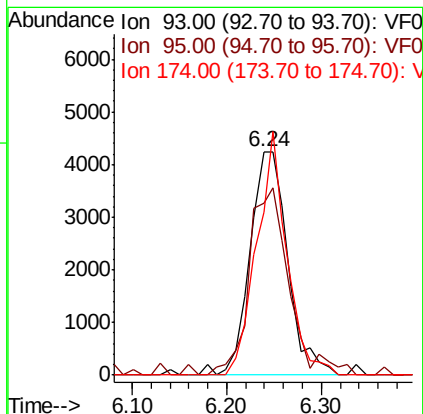
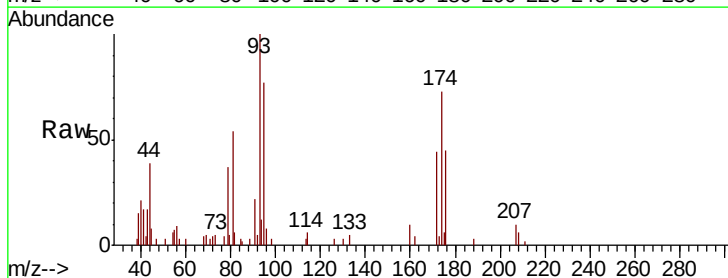
Tgt Ion: 93 Resp: 11839

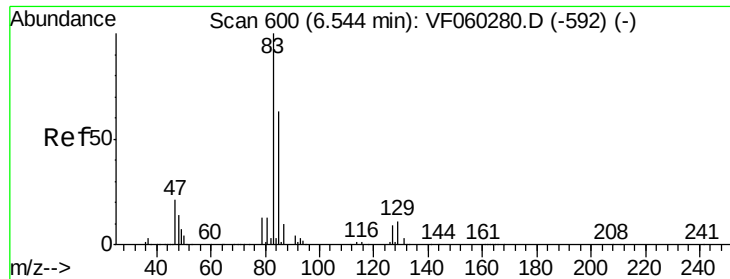
Ion Ratio Lower Upper

93 100

95 76.7 67.0 100.6

174 72.7 74.8 112.2#





#47

Bromodichloromethane

Concen: 5.413 ug/l

RT: 6.54 min Scan# 600

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

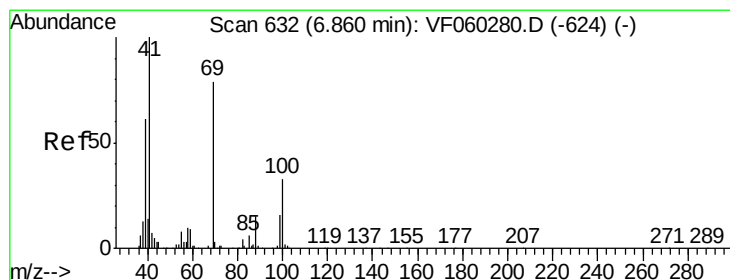
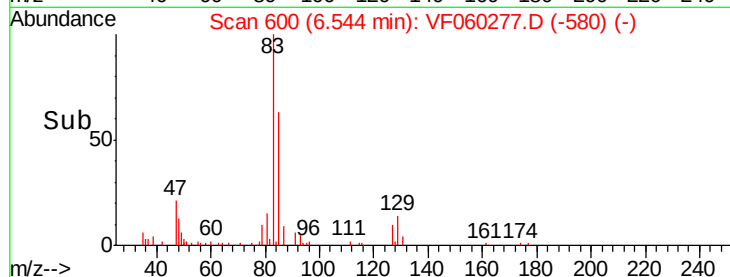
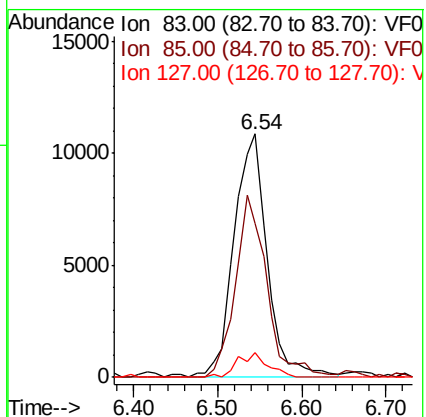
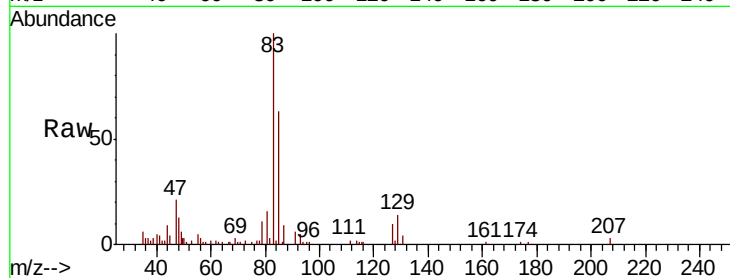
Tgt Ion: 83 Resp: 29933

Ion Ratio Lower Upper

83 100

85 63.2 50.6 76.0

127 10.2 7.1 10.7



#48

Methyl methacrylate

Concen: 5.906 ug/l

RT: 6.87 min Scan# 633

Delta R.T. 0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

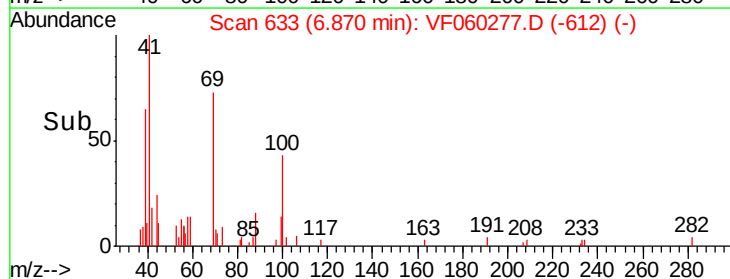
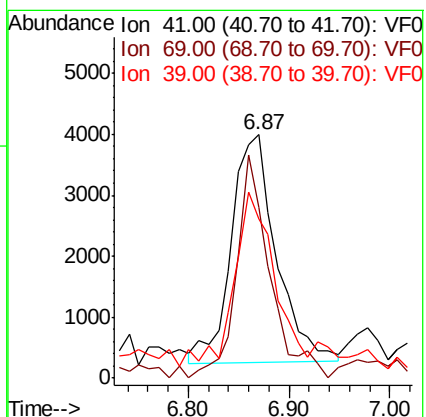
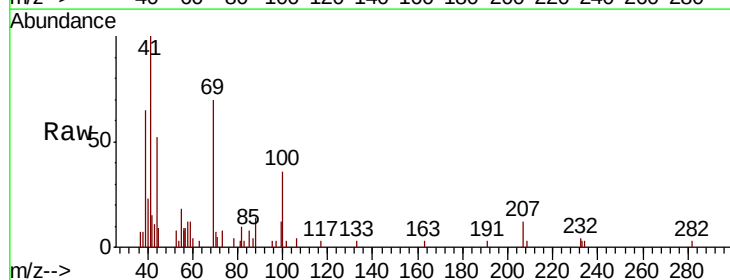
Tgt Ion: 41 Resp: 11584

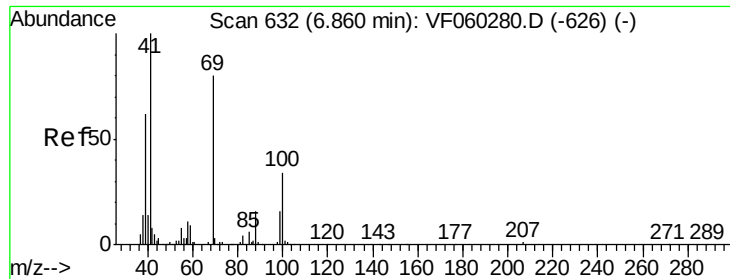
Ion Ratio Lower Upper

41 100

69 70.3 62.6 94.0

39 65.1 49.1 73.7





#49

1,4-Dioxane

Concen: 109.334 ug/l

RT: 6.86 min Scan# 632

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

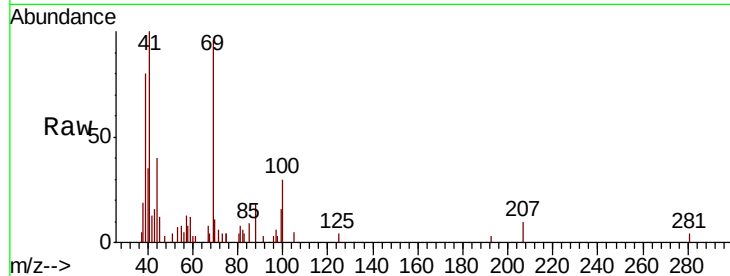
Tgt Ion: 88 Resp: 1916

Ion Ratio Lower Upper

88 100

43 88.3 40.2 60.4#

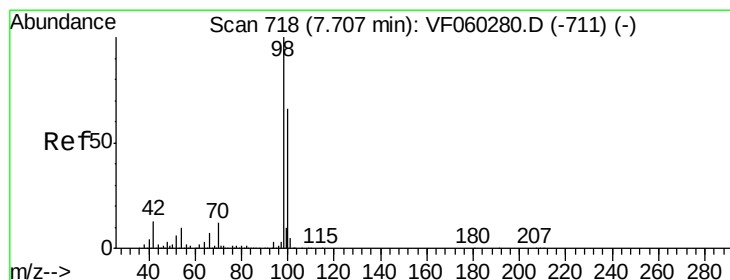
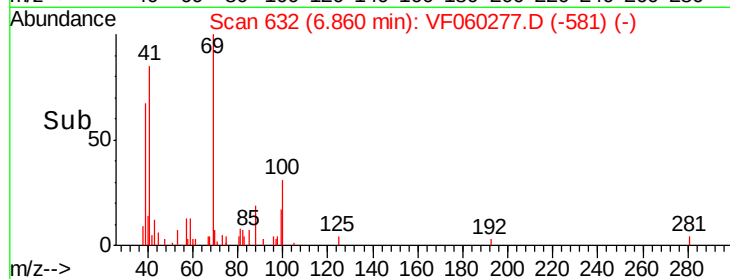
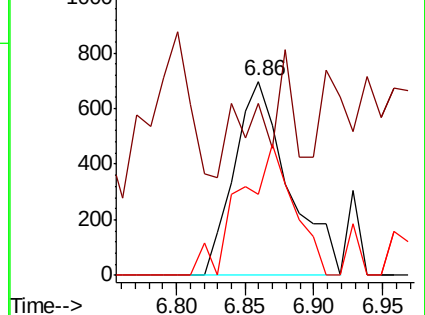
58 41.9 56.7 85.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 5.600 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF060277.D

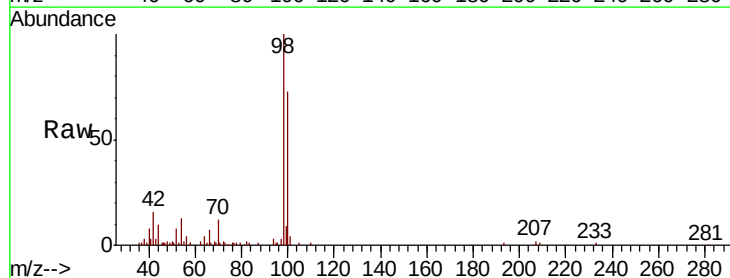
Acq: 19 Sep 2018 12:50

Tgt Ion: 98 Resp: 57168

Ion Ratio Lower Upper

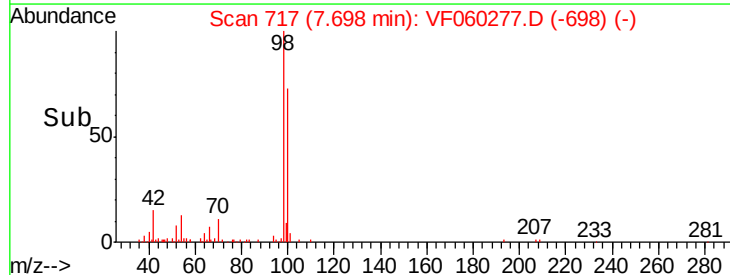
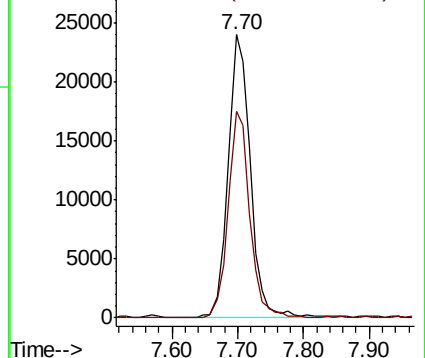
98 100

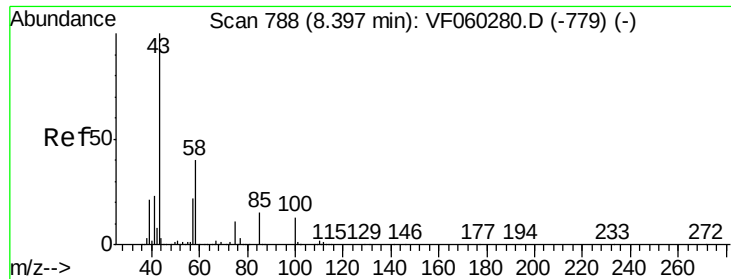
100 72.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

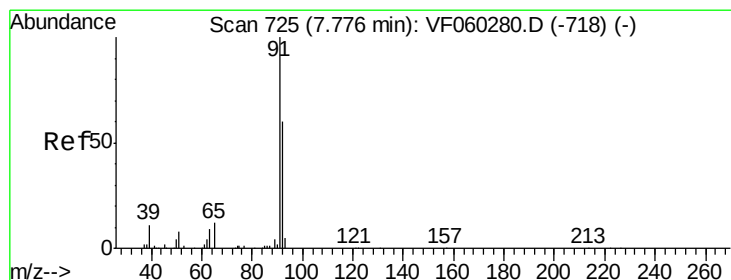
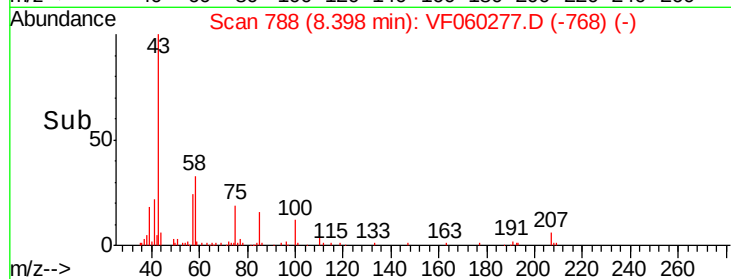
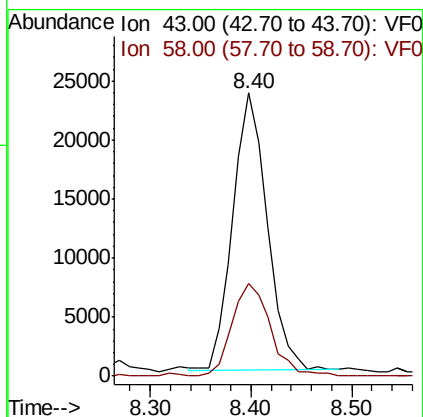
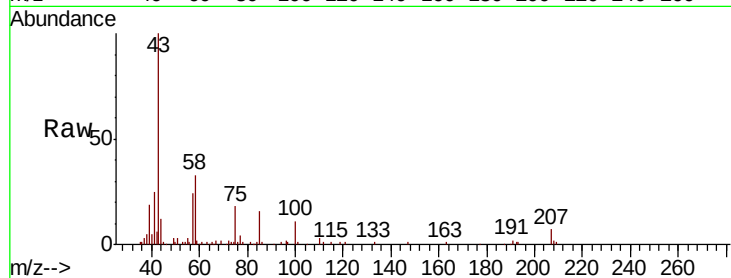




#51
 4-Methyl-2-Pentanone
 Concen: 25.917 ug/l
 RT: 8.40 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

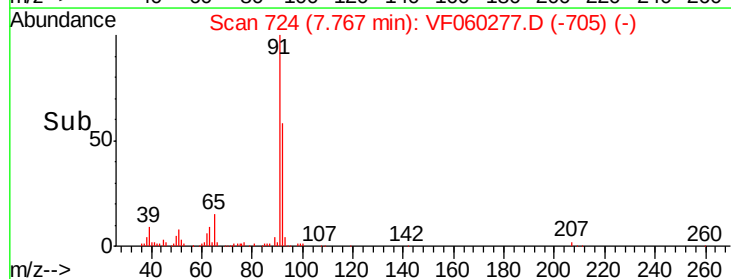
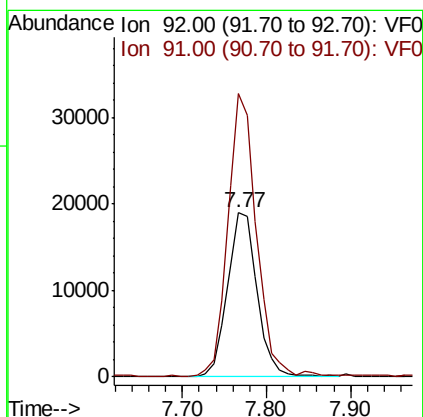
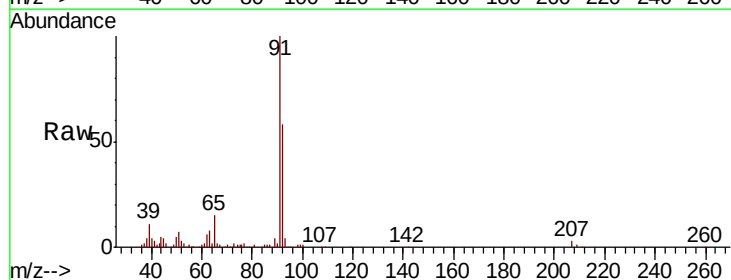
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

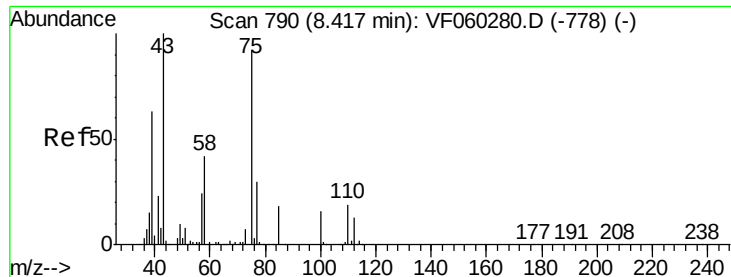
Tgt Ion: 43 Resp: 55817
 Ion Ratio Lower Upper
 43 100
 58 32.8 31.8 47.8



#52
 Toluene
 Concen: 5.896 ug/l
 RT: 7.77 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Tgt Ion: 92 Resp: 46396
 Ion Ratio Lower Upper
 92 100
 91 172.8 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 5.553 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

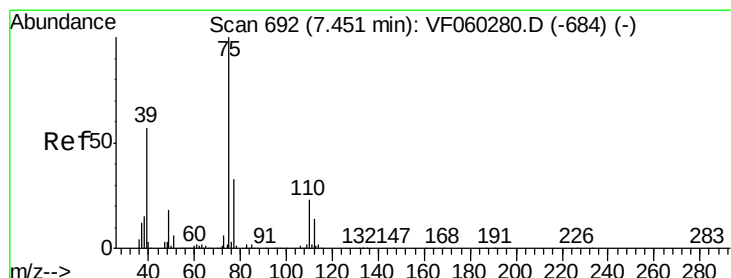
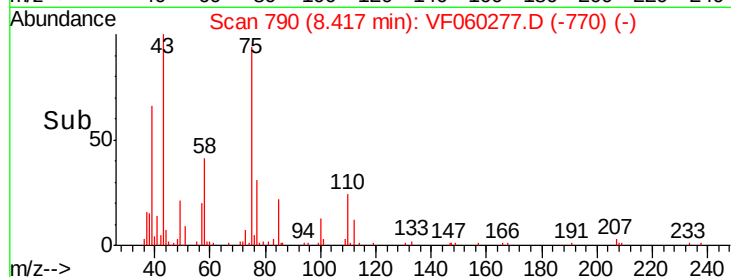
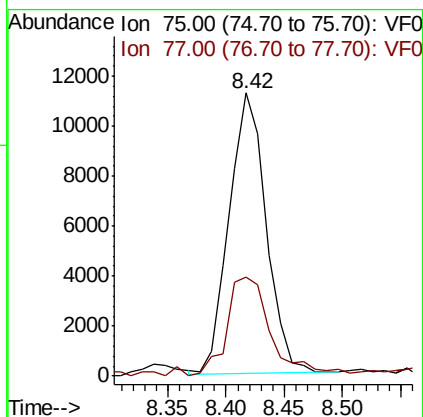
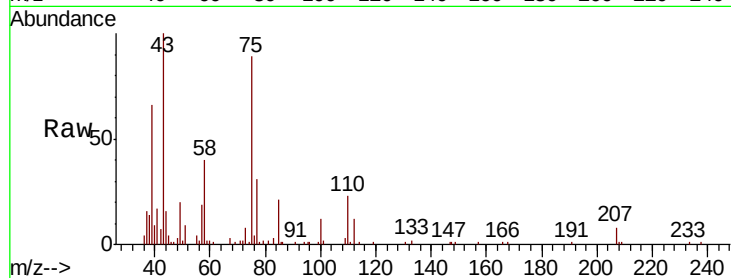
VSTDIC005

Tgt Ion: 75 Resp: 24770

Ion Ratio Lower Upper

75 100

77 34.8 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 5.267 ug/l

RT: 7.45 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

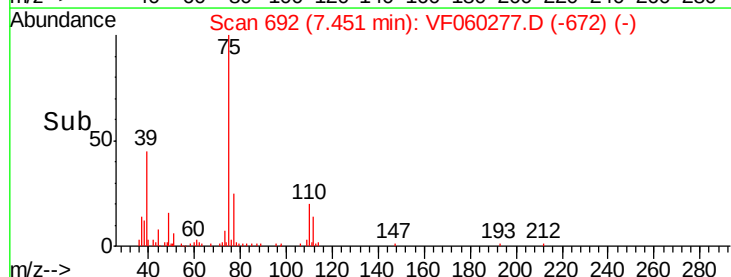
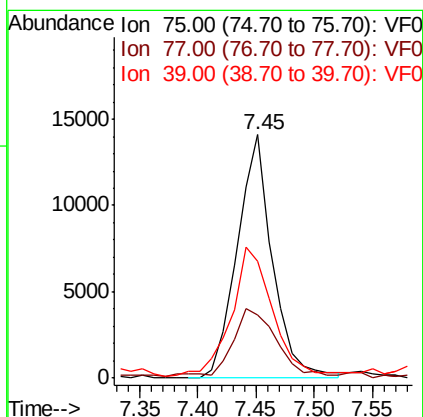
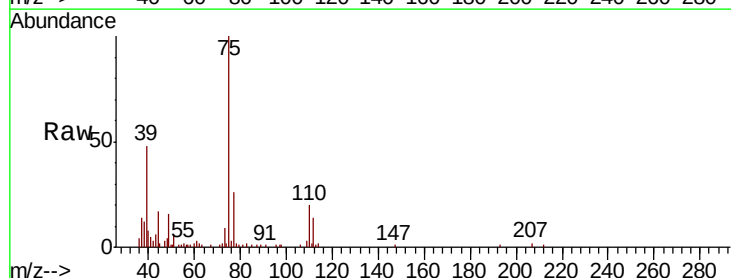
Tgt Ion: 75 Resp: 29599

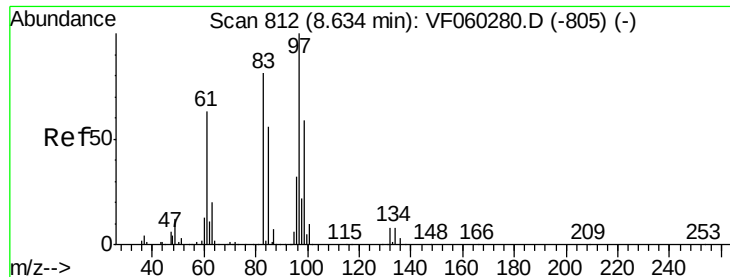
Ion Ratio Lower Upper

75 100

77 25.8 26.3 39.5#

39 47.9 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 5.201 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 12421

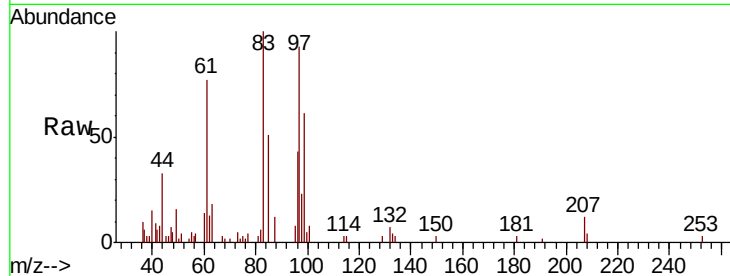
Ion Ratio Lower Upper

97 100

83 107.2 65.3 97.9#

85 54.6 44.7 67.1

99 65.5 47.0 70.4

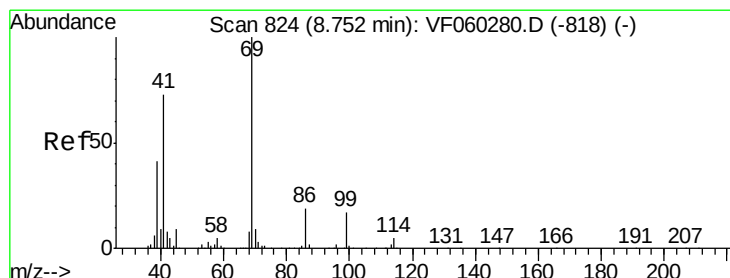
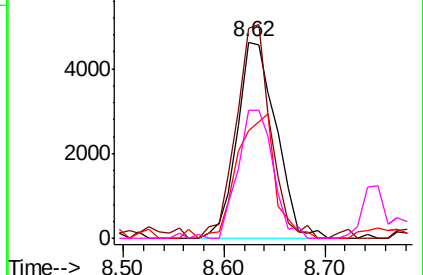
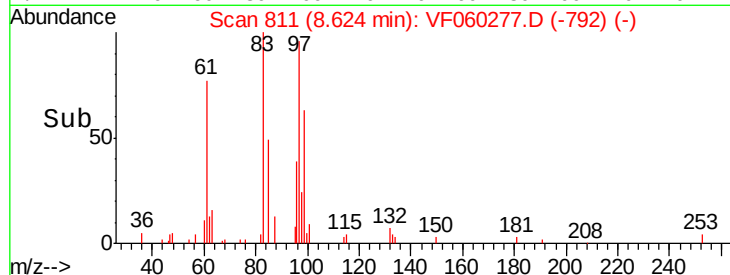


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 5.426 ug/l

RT: 8.75 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

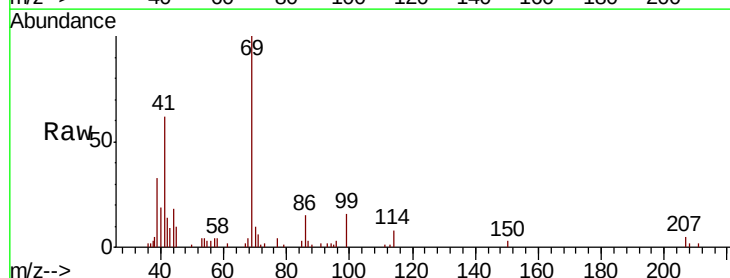
Tgt Ion: 69 Resp: 15652

Ion Ratio Lower Upper

69 100

41 61.7 59.4 89.2

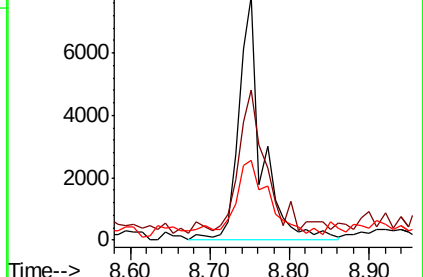
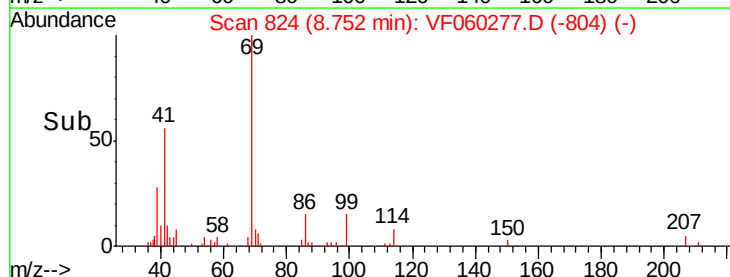
39 32.5 33.5 50.3#

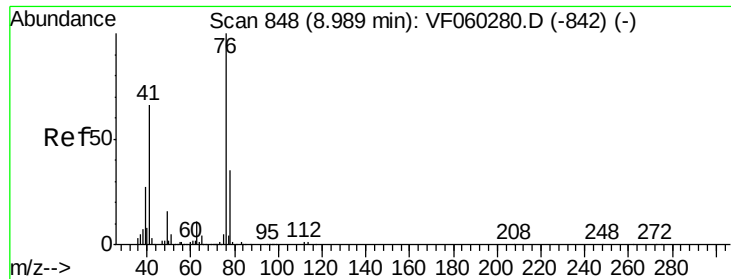


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 5.325 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

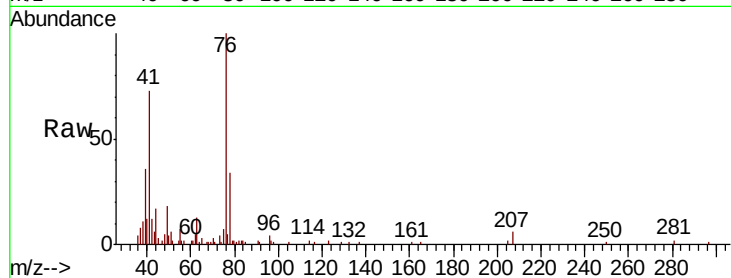
VSTDIC005

Tgt Ion: 76 Resp: 21059

Ion Ratio Lower Upper

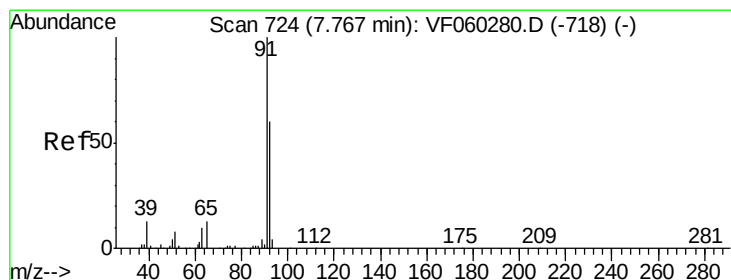
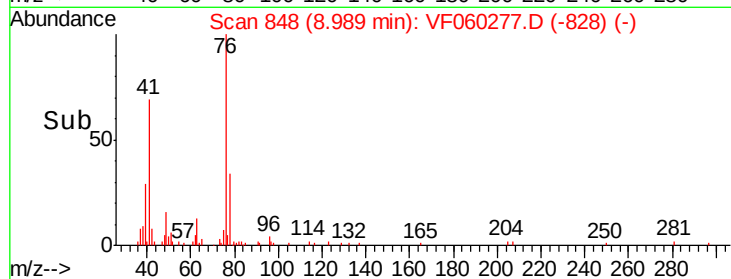
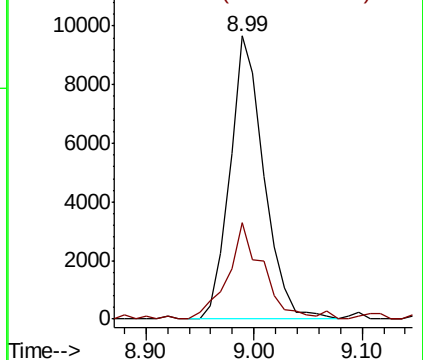
76 100

78 33.9 28.2 42.2



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: 29.557 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.01 min

Lab File: VF060277.D

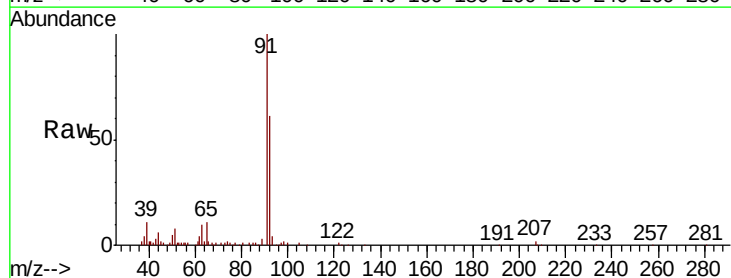
Acq: 19 Sep 2018 12:50

Tgt Ion: 63 Resp: 7537

Ion Ratio Lower Upper

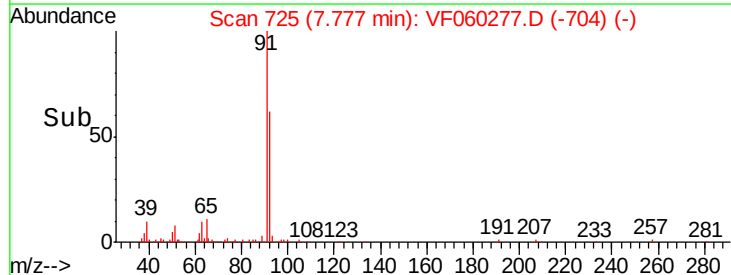
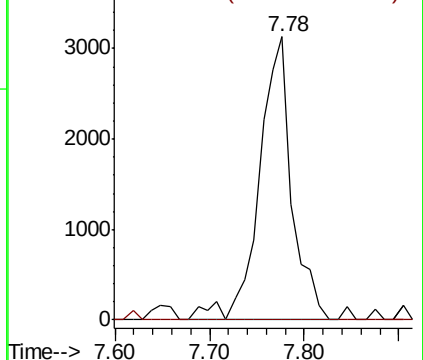
63 100

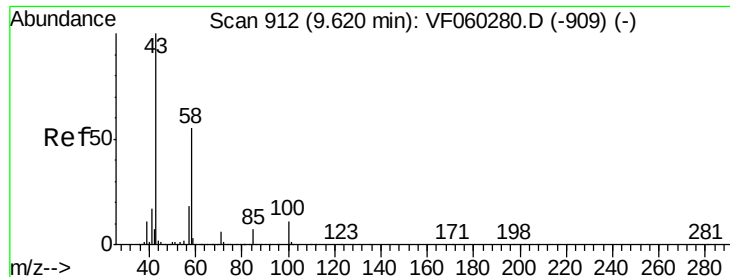
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

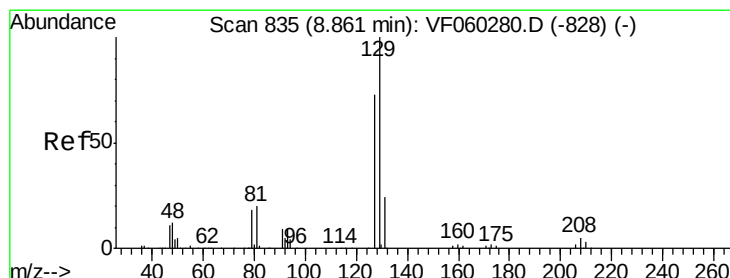
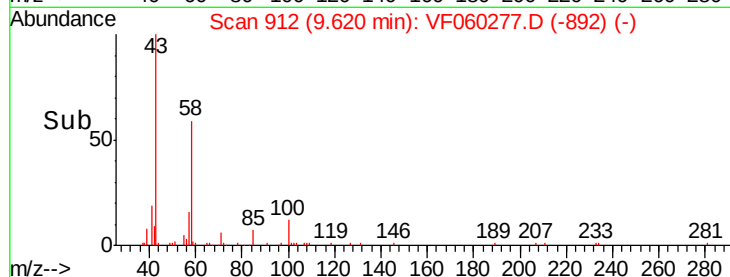
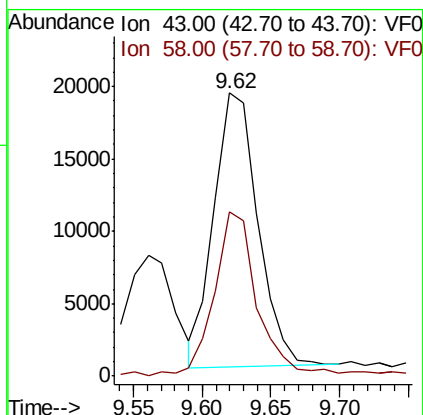
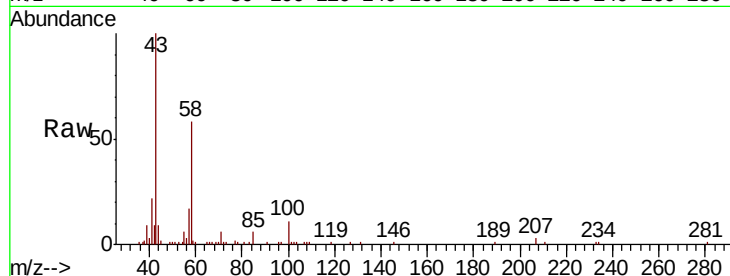




#59
2-Hexanone
Concen: 27.365 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

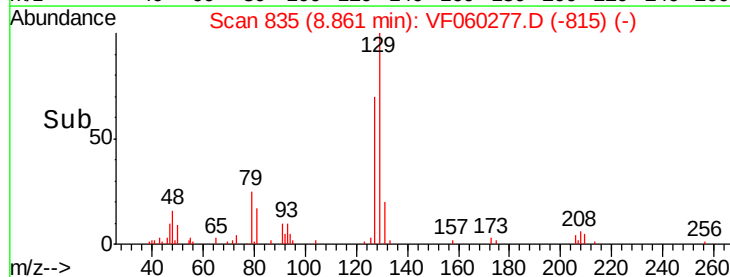
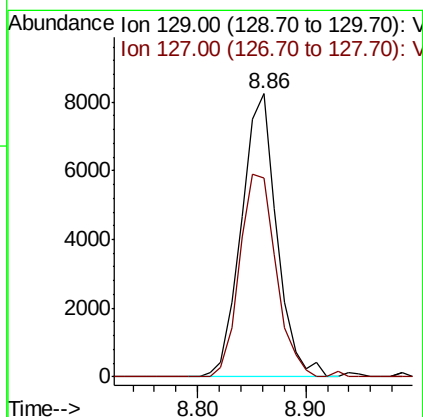
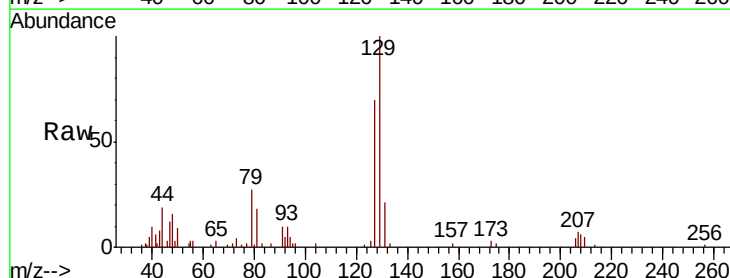
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

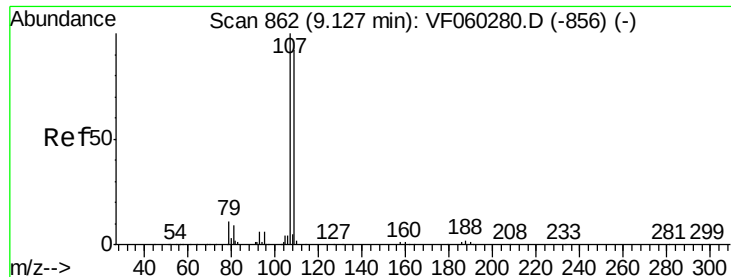
Tgt Ion: 43 Resp: 41963
Ion Ratio Lower Upper
43 100
58 57.9 25.9 77.6



#60
Dibromochloromethane
Concen: 5.247 ug/l
RT: 8.86 min Scan# 835
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion: 129 Resp: 18677
Ion Ratio Lower Upper
129 100
127 70.3 36.6 109.8





#61

1,2-Dibromoethane

Concen: 5.332 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

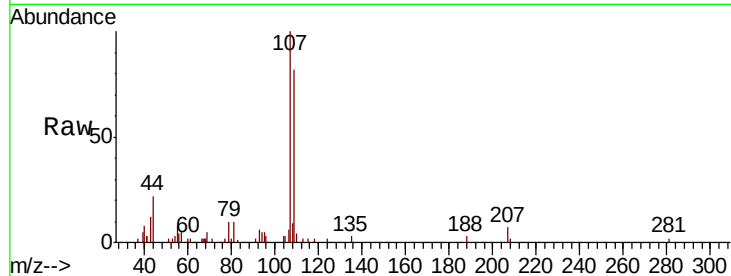
VSTDIC005

Tgt Ion: 107 Resp: 14182

Ion Ratio Lower Upper

107 100

109 81.7 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8000

6000

4000

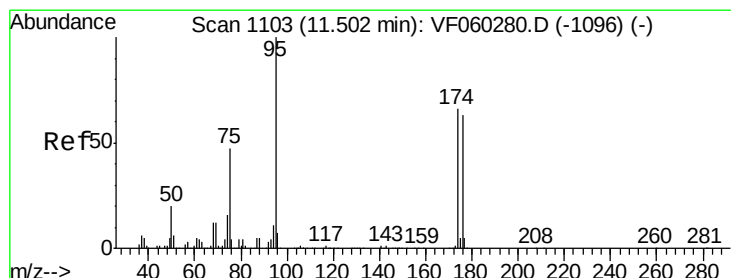
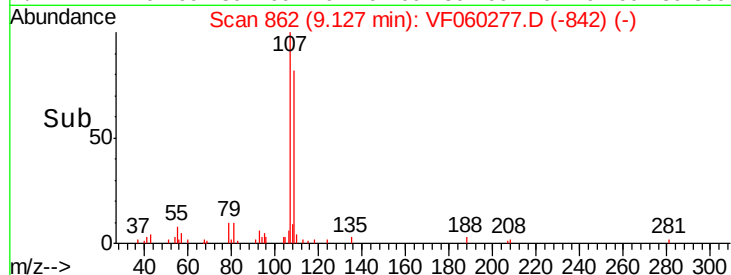
2000

0

9.13

9.10 9.15 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 6.496 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

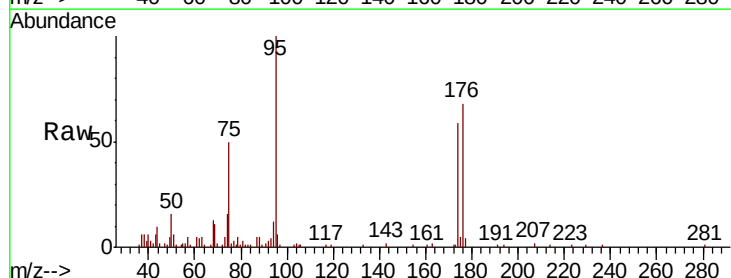
Tgt Ion: 95 Resp: 28670

Ion Ratio Lower Upper

95 100

174 58.9 0.0 131.2

176 68.2 0.0 126.6



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

20000

15000

10000

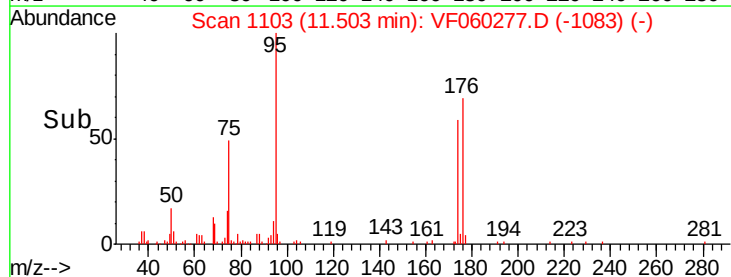
5000

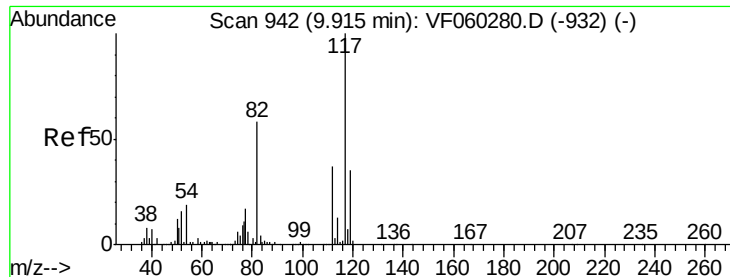
0

11.50

11.40 11.50 11.60

Time-->

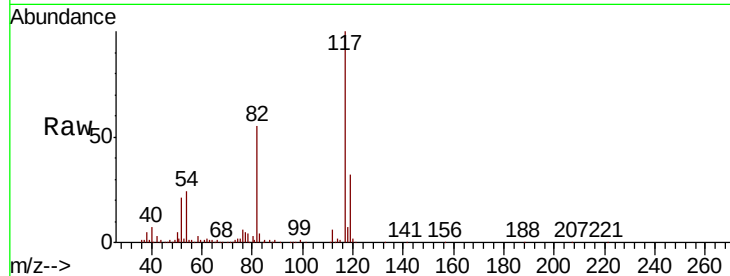




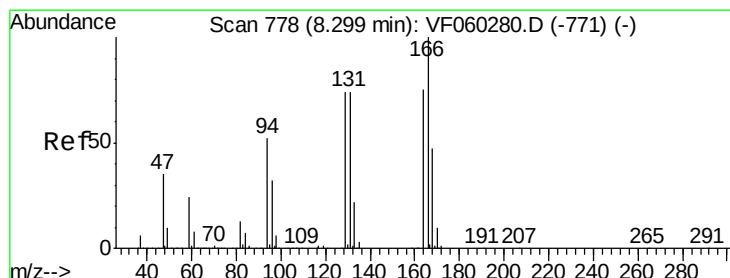
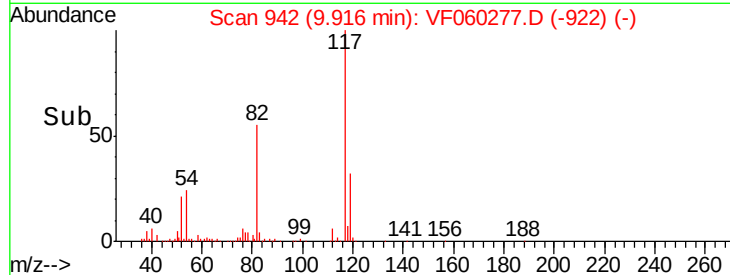
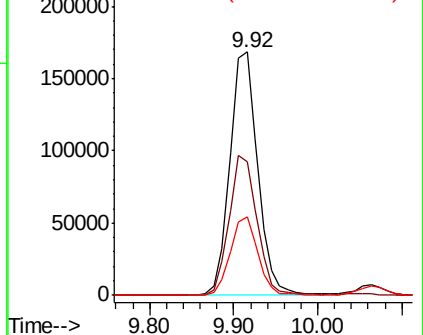
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.2	69.2
119	32.1	27.8	41.6



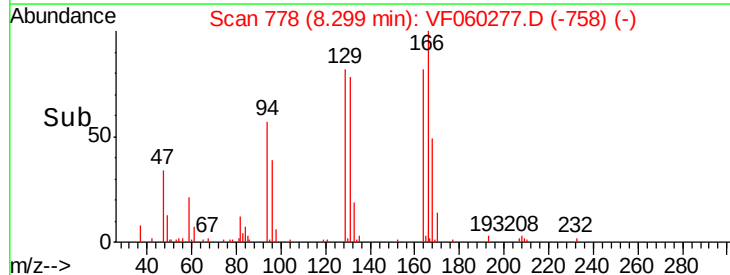
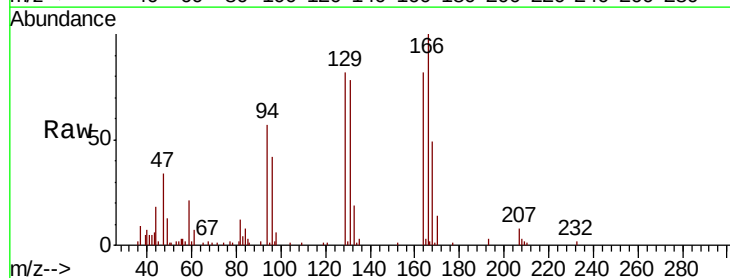
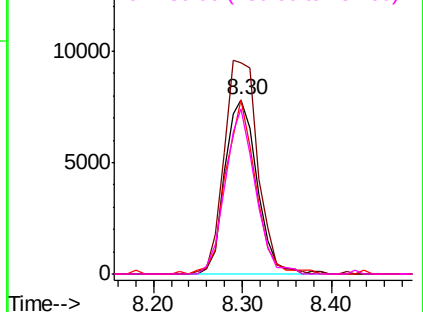
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

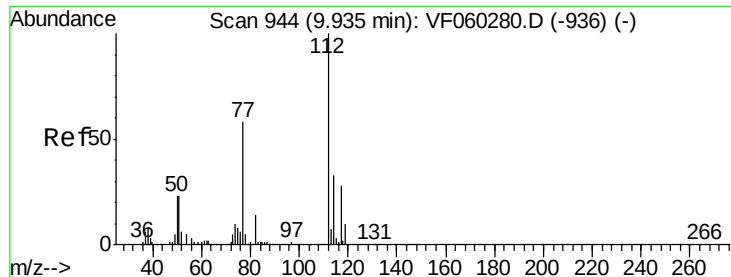


#64
Tetrachloroethene
Concen: 5.602 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.4	106.8	160.2
129	99.5	78.8	118.2
131	94.4	78.7	118.1

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: 5.454 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

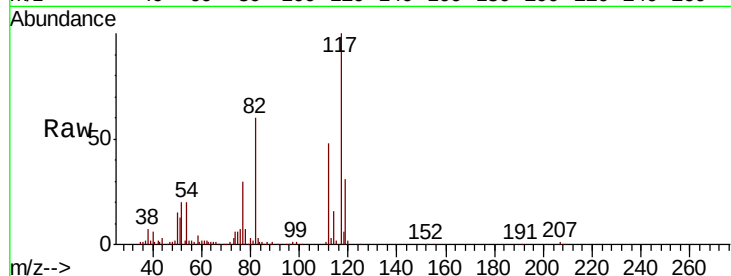
VSTDIC005

Tgt Ion:112 Resp: 48474

Ion Ratio Lower Upper

112 100

114 32.8 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.94

25000

20000

15000

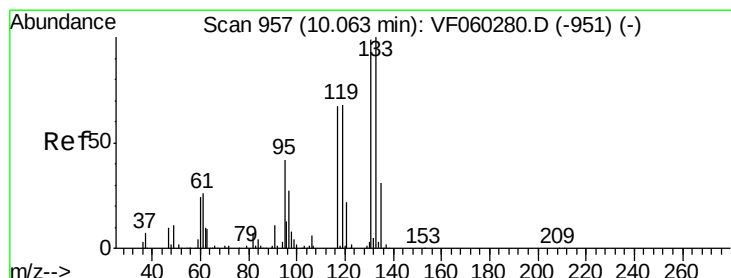
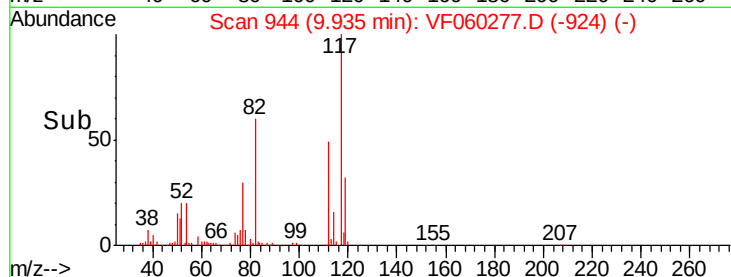
10000

5000

0

Time-->

9.80 9.90 10.00 10.10



#66

1,1,1,2-Tetrachloroethane

Concen: 5.380 ug/l

RT: 10.06 min Scan# 957

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

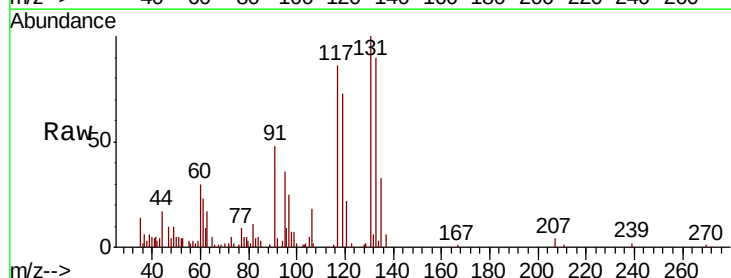
Tgt Ion:131 Resp: 19843

Ion Ratio Lower Upper

131 100

133 90.4 50.4 151.2

119 72.9 34.8 104.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

15000

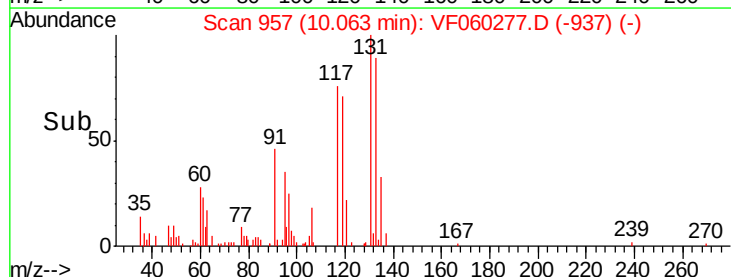
10000

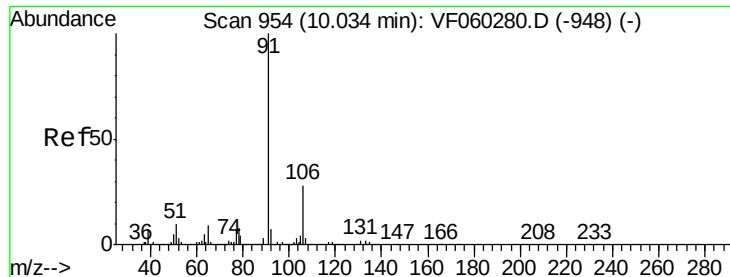
5000

0

Time-->

10.00 10.10





#67

Ethyl Benzene

Concen: 5.692 ug/l

RT: 10.03 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

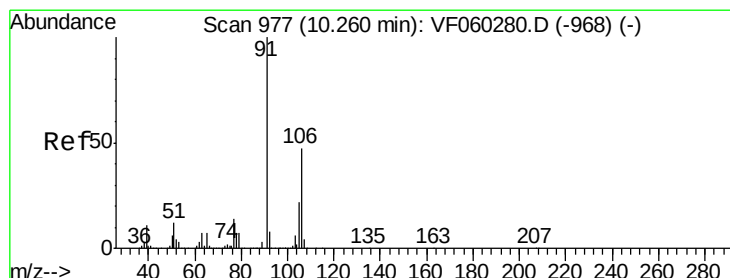
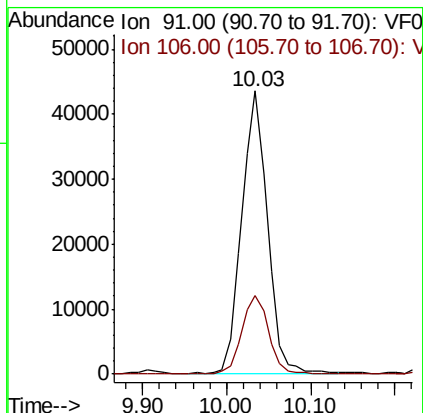
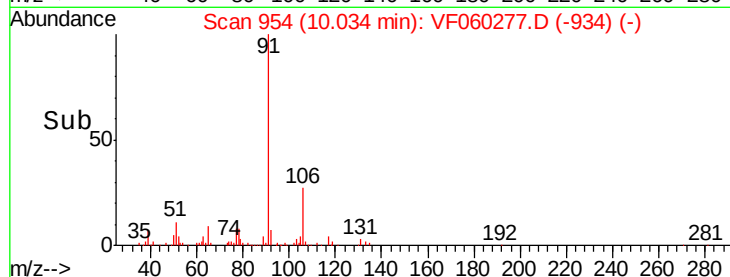
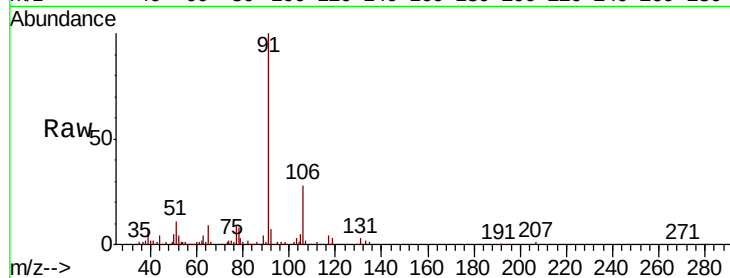
VSTDIC005

Tgt Ion: 91 Resp: 93527

Ion Ratio Lower Upper

91 100

106 27.6 22.7 34.1



#68

m/p-Xylenes

Concen: 11.474 ug/l

RT: 10.26 min Scan# 977

Delta R.T. 0.00 min

Lab File: VF060277.D

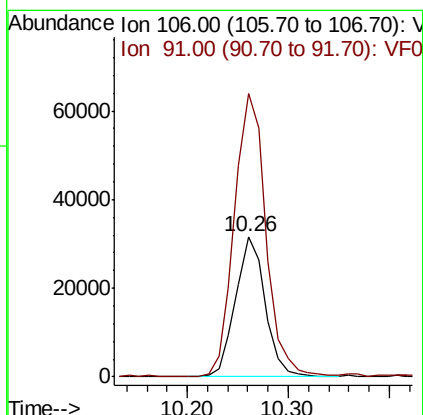
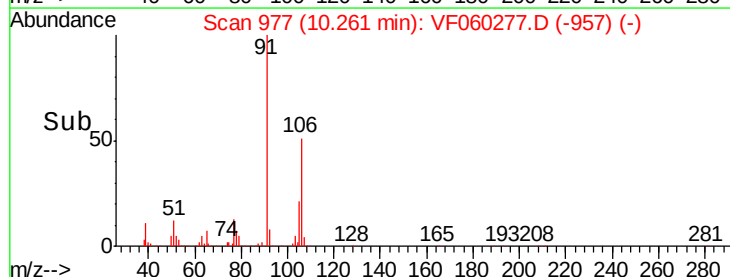
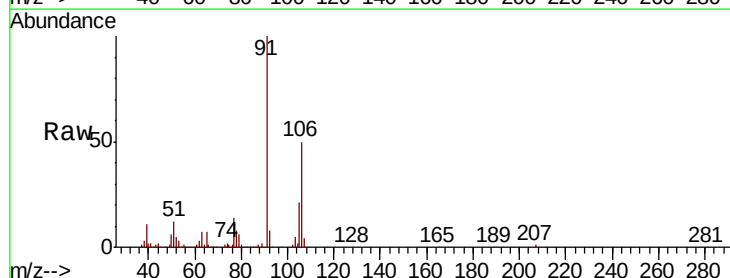
Acq: 19 Sep 2018 12:50

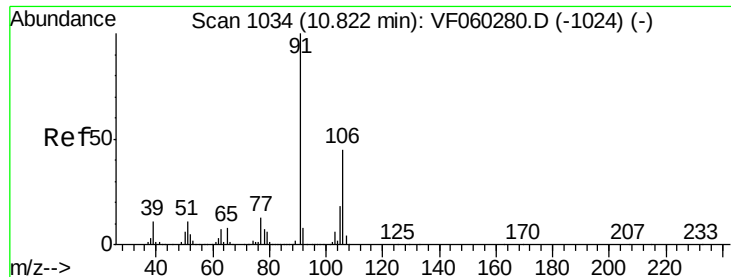
Tgt Ion: 106 Resp: 65140

Ion Ratio Lower Upper

106 100

91 201.8 172.3 258.5

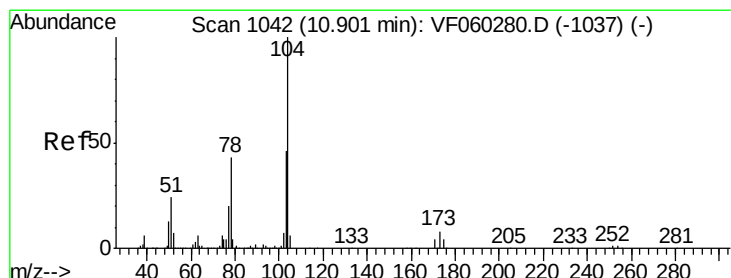
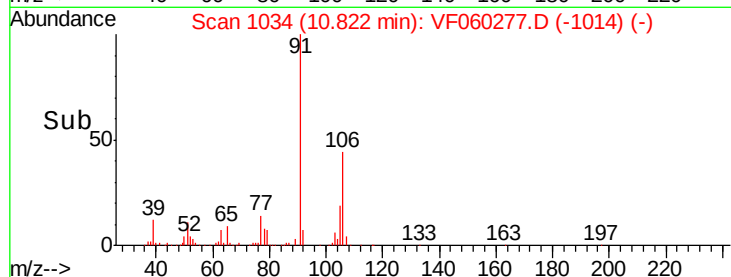
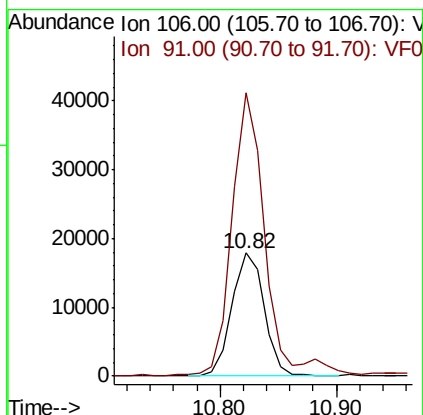
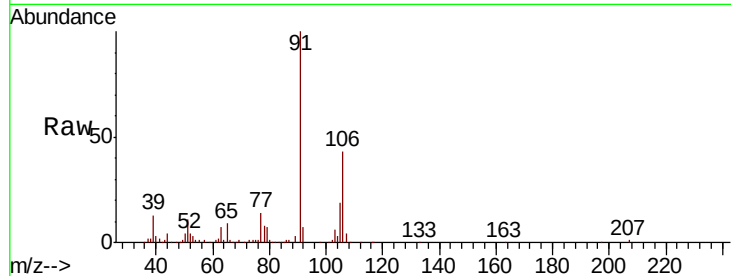




#69
o-Xylene
Concen: 5.432 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

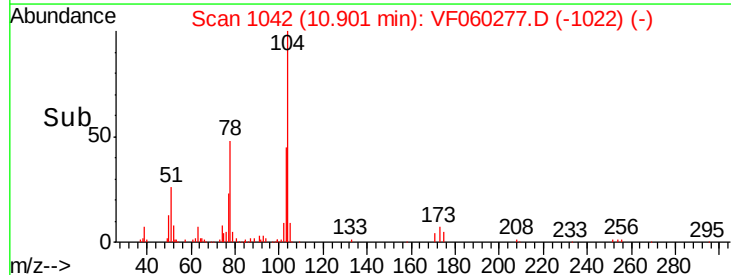
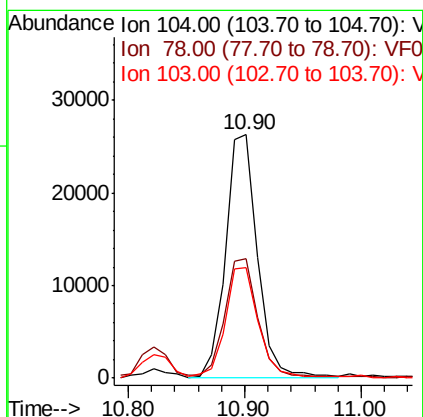
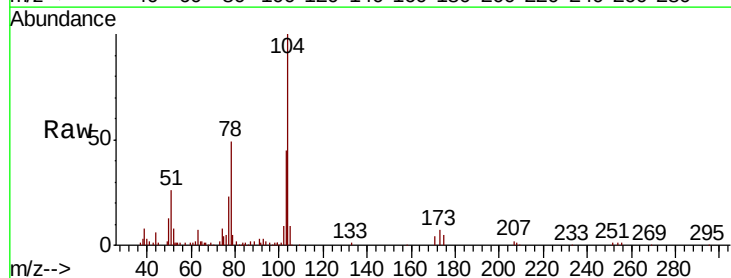
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

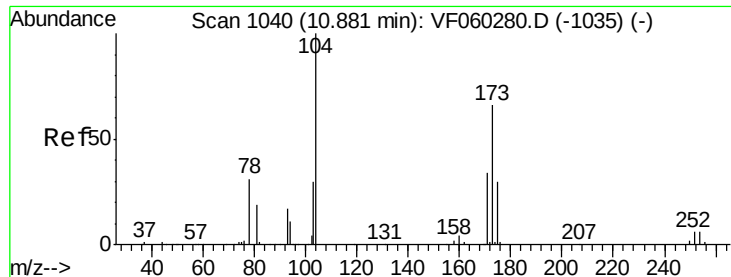
Tgt Ion:106 Resp: 34592
Ion Ratio Lower Upper
106 100
91 230.4 110.9 332.6



#70
Styrene
Concen: 5.588 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion:104 Resp: 50180
Ion Ratio Lower Upper
104 100
78 49.1 35.0 52.6
103 45.2 37.4 56.0





#71

Bromoform

Concen: 4.811 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

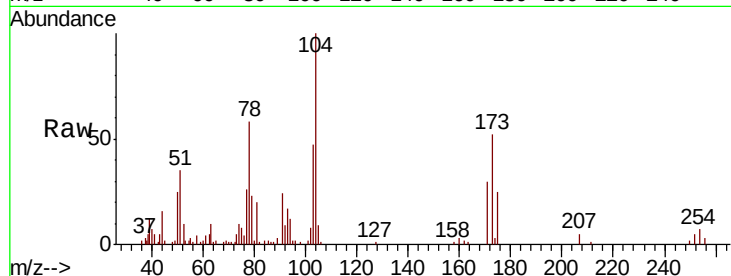
Tgt Ion:173 Resp: 9745

Ion Ratio Lower Upper

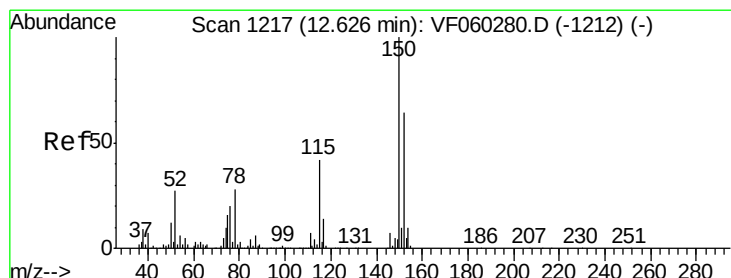
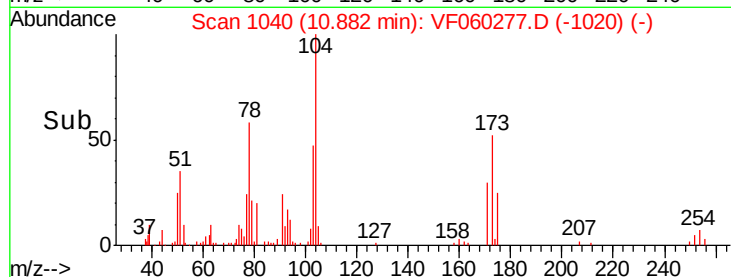
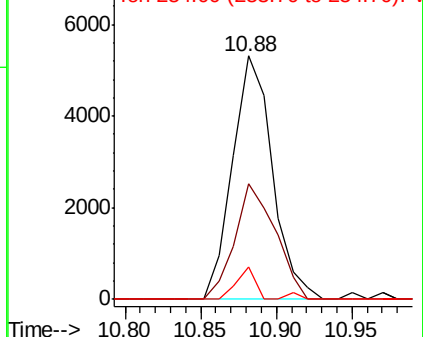
173 100

175 45.3 22.3 66.9

254 12.7 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

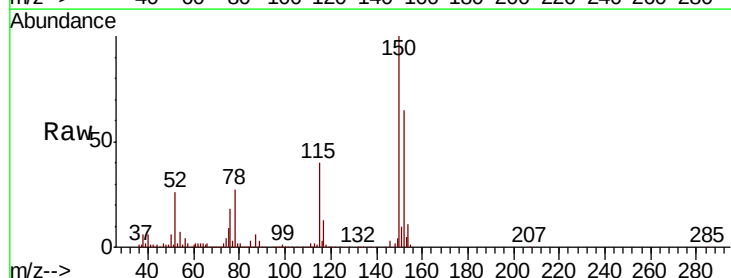
Tgt Ion:152 Resp: 208438

Ion Ratio Lower Upper

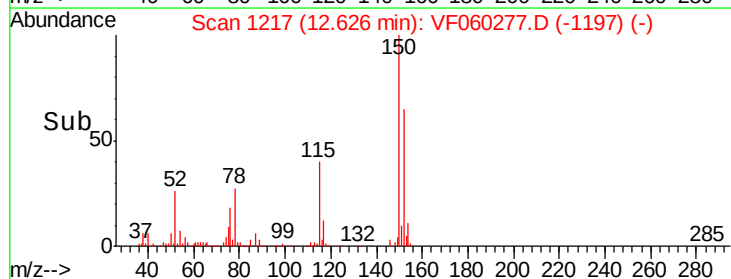
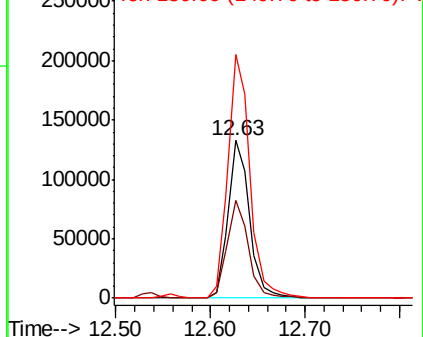
152 100

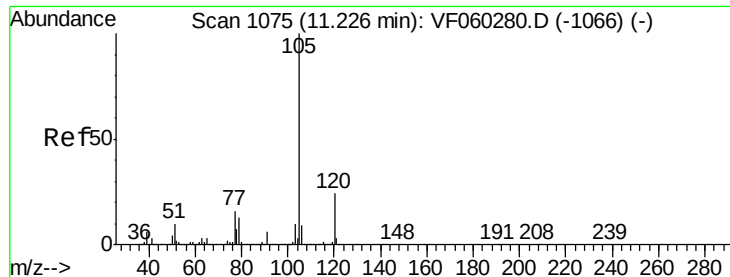
115 62.2 32.6 97.8

150 154.6 0.0 314.2



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





#73

Isopropylbenzene

Concen: 5.618 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

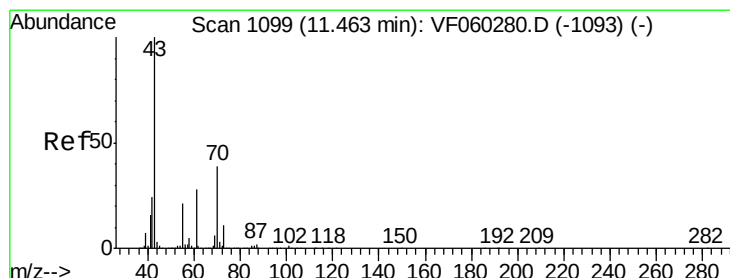
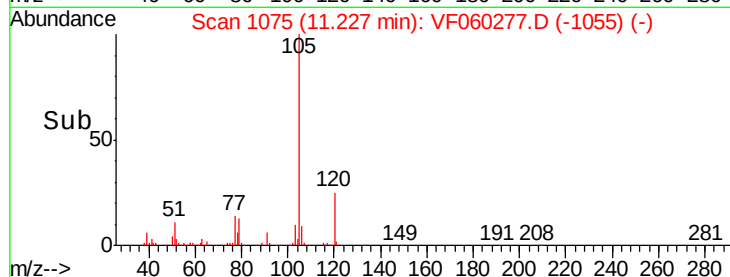
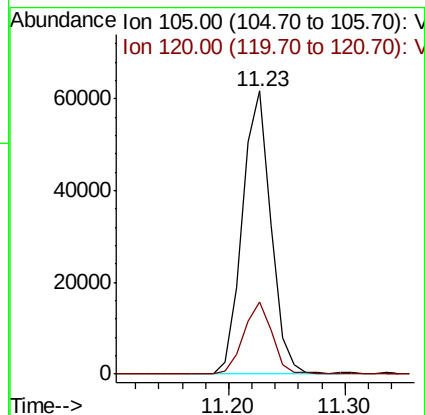
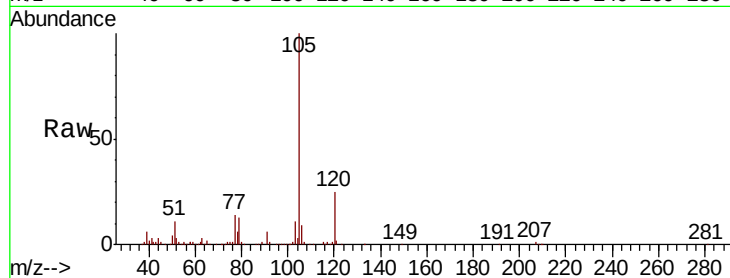
VSTDIC005

Tgt Ion: 105 Resp: 105115

Ion Ratio Lower Upper

105 100

120 25.4 12.2 36.6



#74

N-ethyl acetate

Concen: 5.163 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Tgt Ion: 43 Resp: 20600

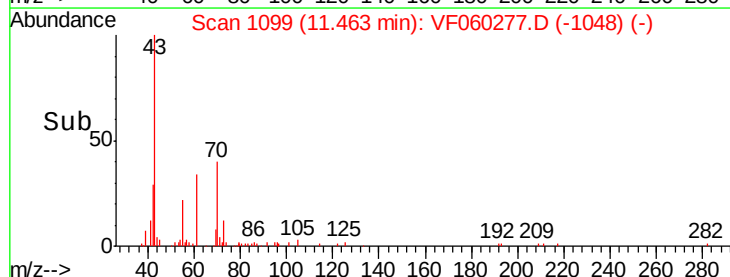
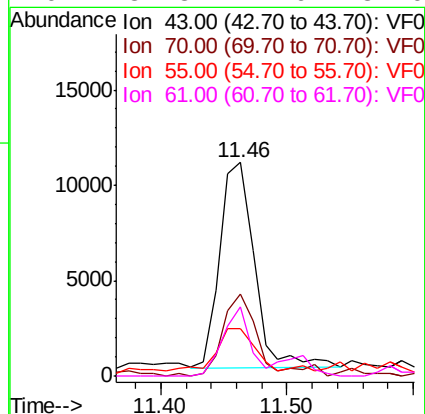
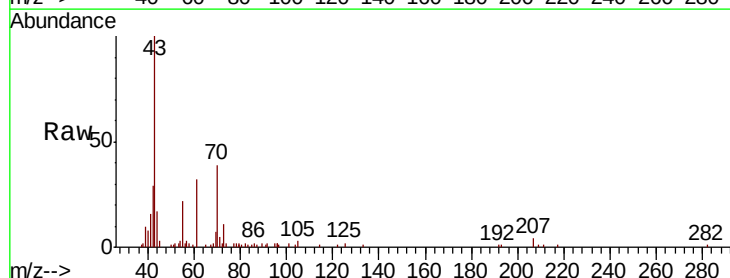
Ion Ratio Lower Upper

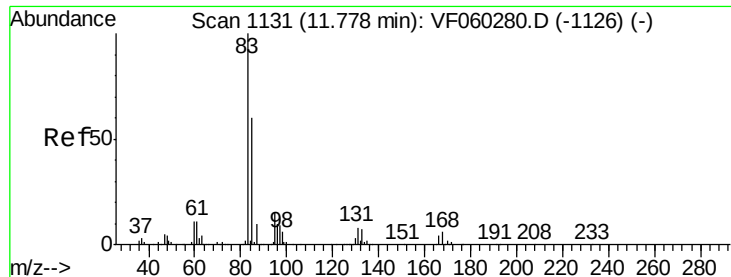
43 100

70 38.5 31.4 47.2

55 22.3 16.8 25.2

61 32.3 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.083 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

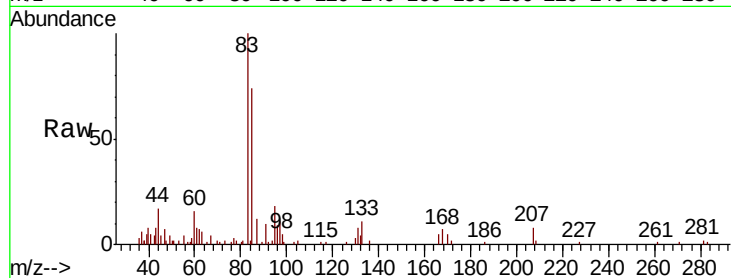
Tgt Ion: 83 Resp: 16856

Ion Ratio Lower Upper

83 100

131 8.4 4.2 12.4

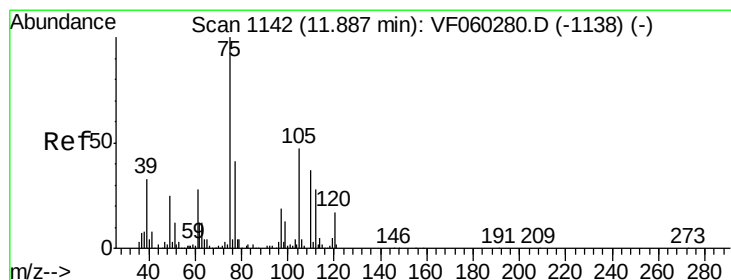
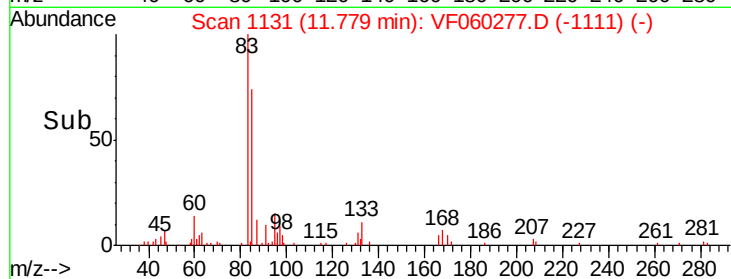
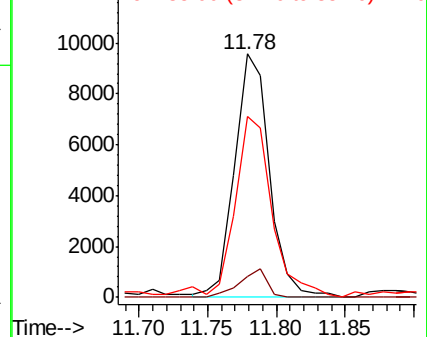
85 74.4 30.1 90.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 5.872 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060277.D

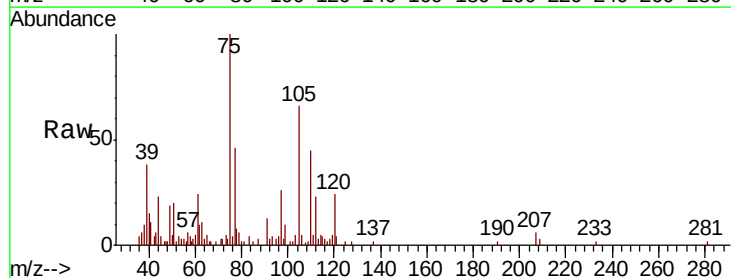
Acq: 19 Sep 2018 12:50

Tgt Ion: 75 Resp: 13942

Ion Ratio Lower Upper

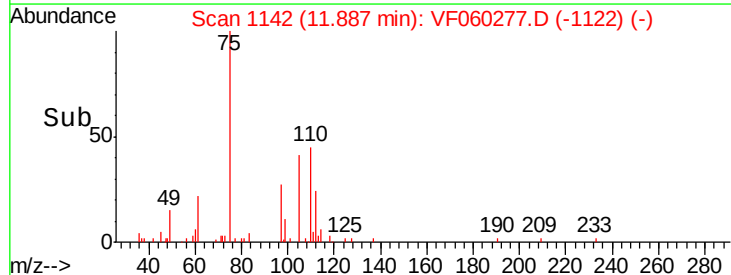
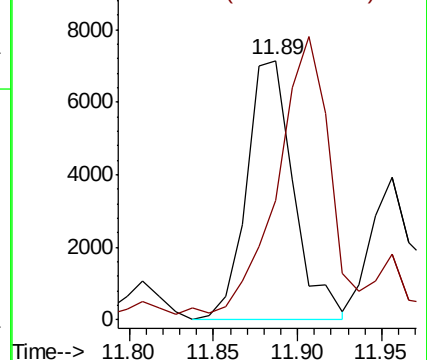
75 100

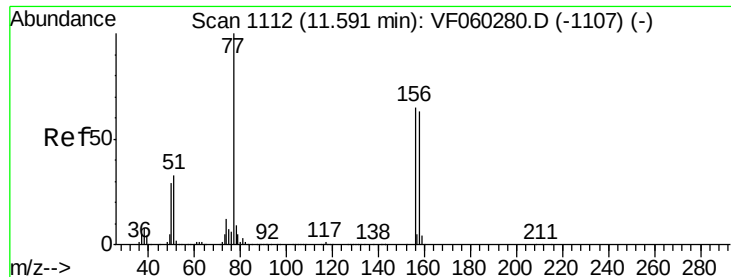
77 46.2 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 5.672 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

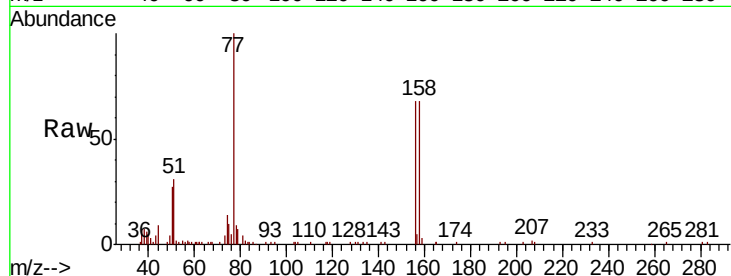
Tgt Ion:156 Resp: 22872

Ion Ratio Lower Upper

156 100

77 148.1 77.3 232.1

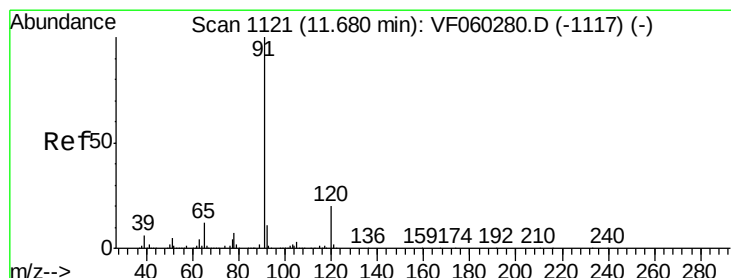
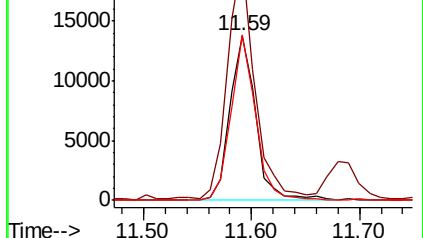
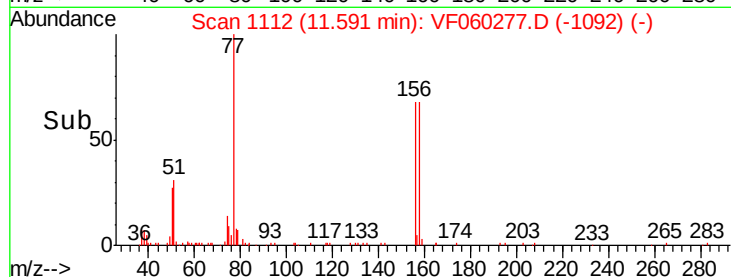
158 100.7 48.4 145.2



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: 5.947 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060277.D

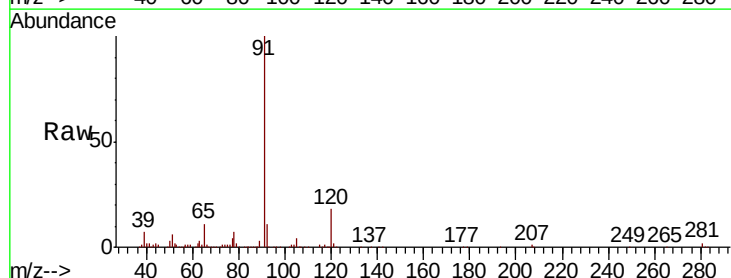
Acq: 19 Sep 2018 12:50

Tgt Ion: 91 Resp: 131375

Ion Ratio Lower Upper

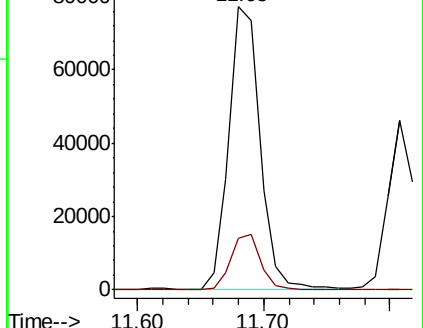
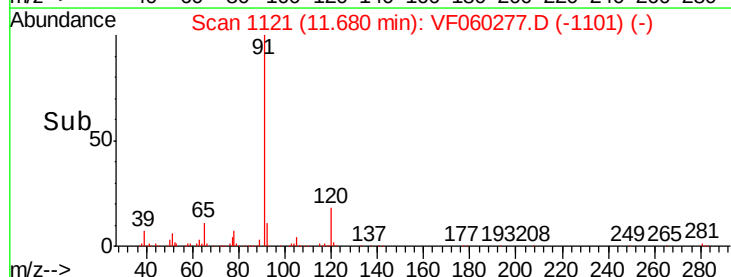
91 100

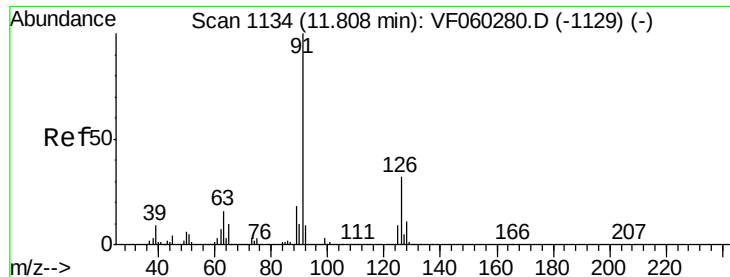
120 18.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.491 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

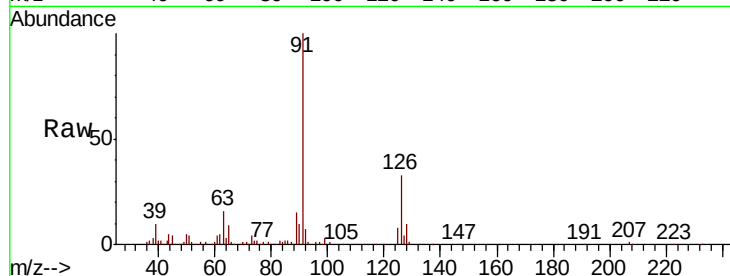
VSTDIC005

Tgt Ion: 91 Resp: 69303

Ion Ratio Lower Upper

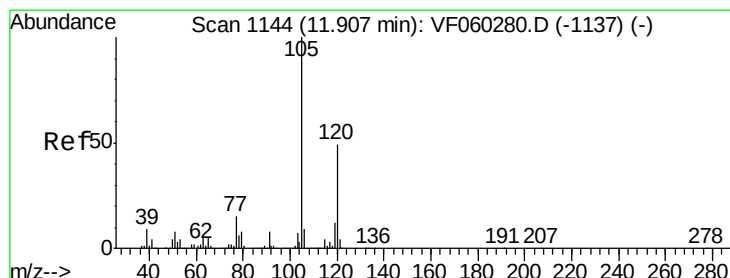
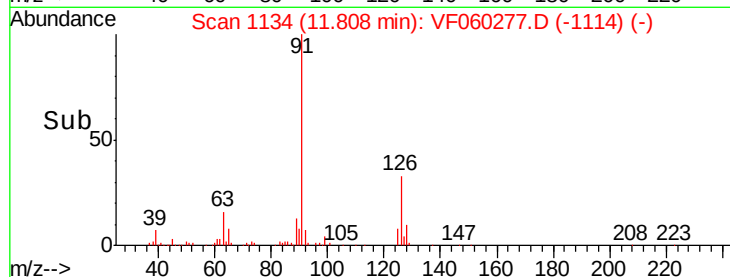
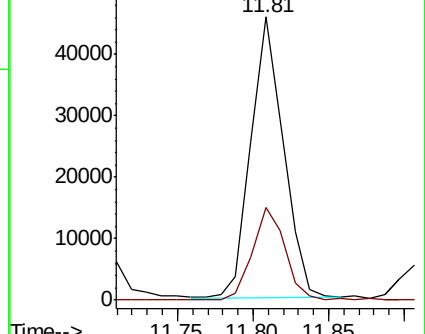
91 100

126 32.9 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 5.656 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060277.D

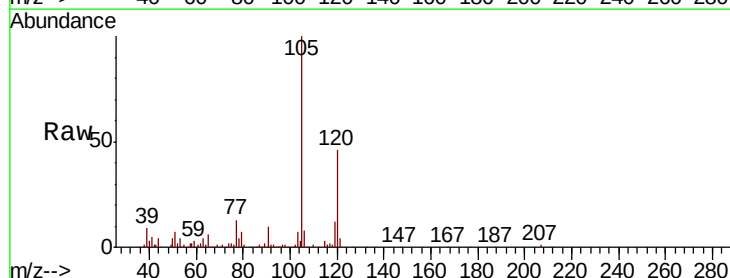
Acq: 19 Sep 2018 12:50

Tgt Ion: 105 Resp: 85195

Ion Ratio Lower Upper

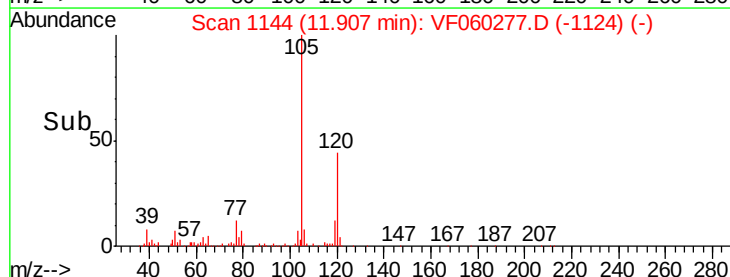
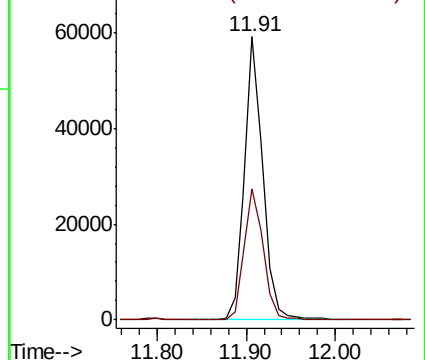
105 100

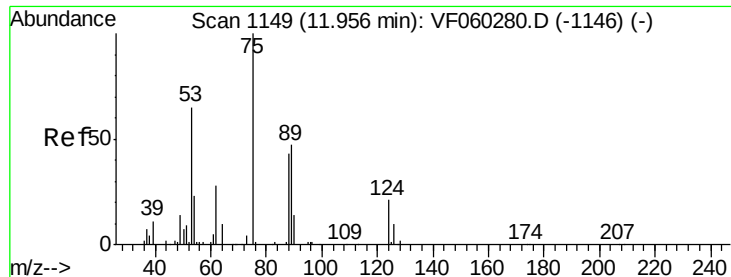
120 46.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 6.004 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

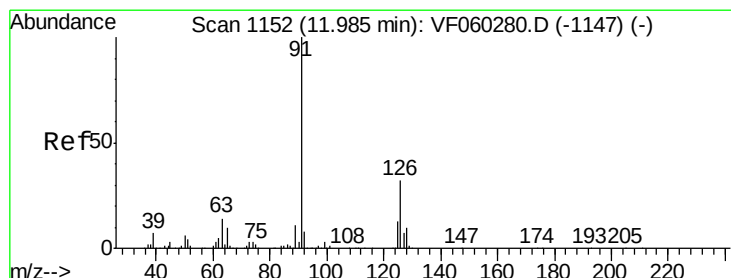
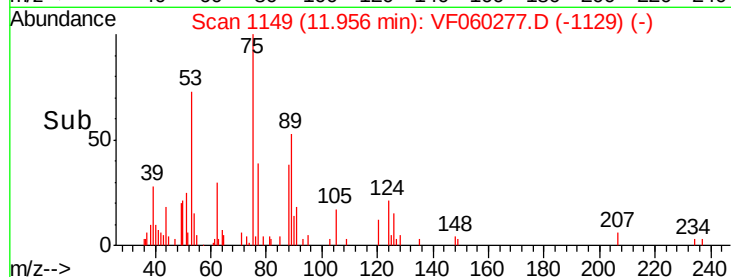
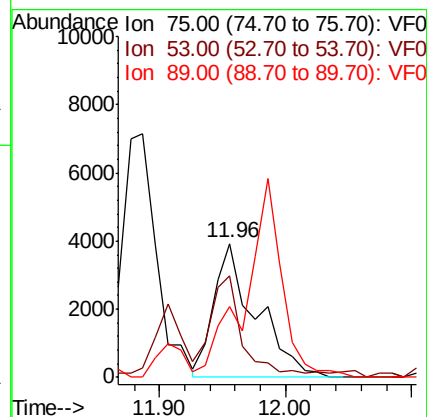
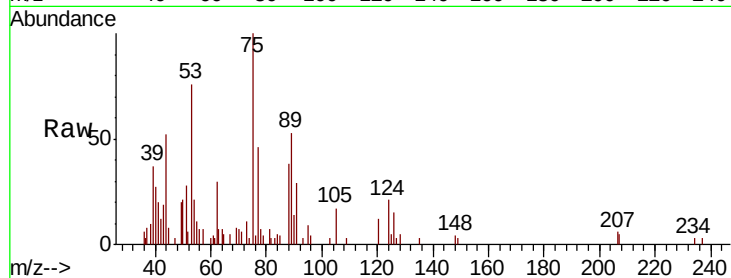
Tgt Ion: 75 Resp: 9185

Ion Ratio Lower Upper

75 100

53 75.9 56.5 84.7

89 53.0 40.6 60.8



#82

4-Chlorotoluene

Concen: 5.571 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060277.D

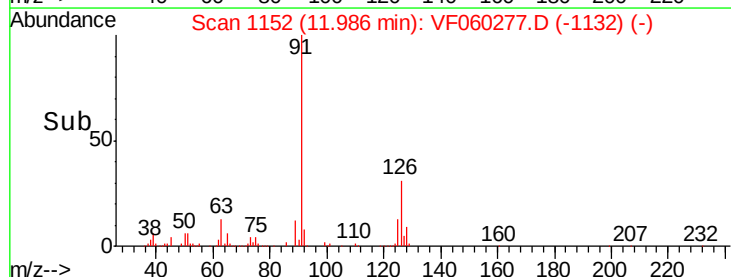
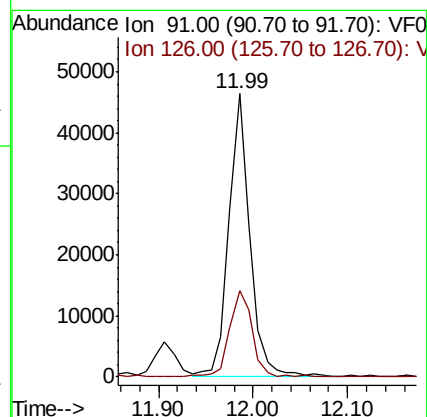
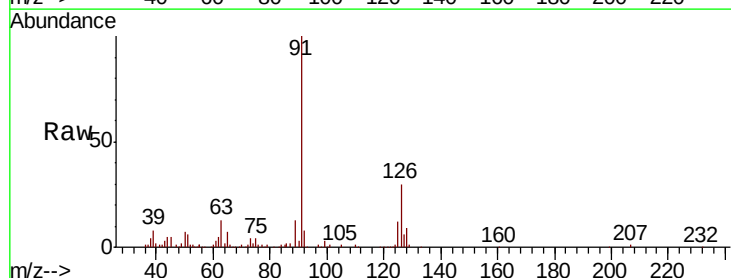
Acq: 19 Sep 2018 12:50

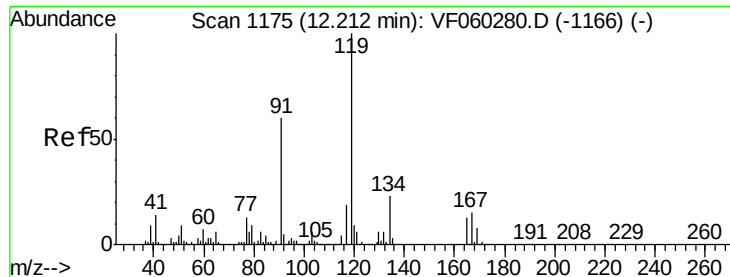
Tgt Ion: 91 Resp: 70681

Ion Ratio Lower Upper

91 100

126 30.3 16.1 48.2

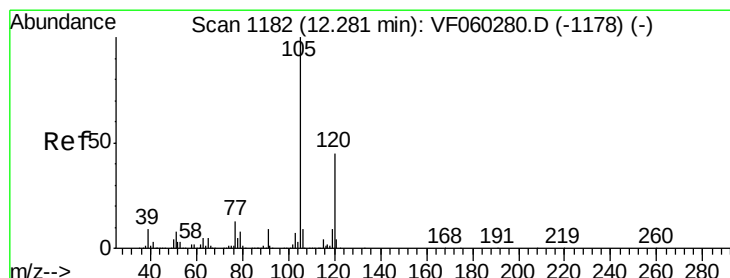
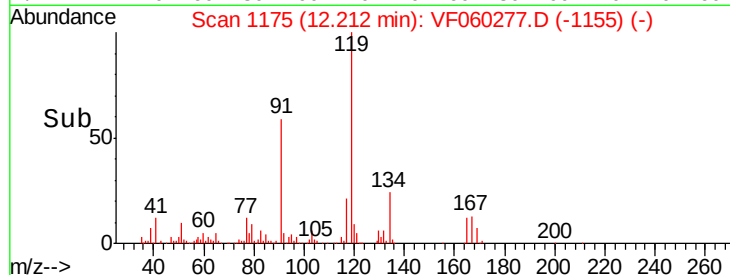
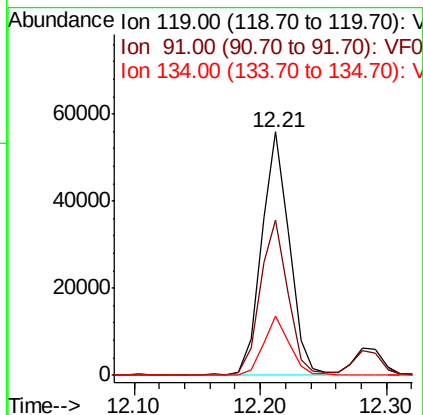
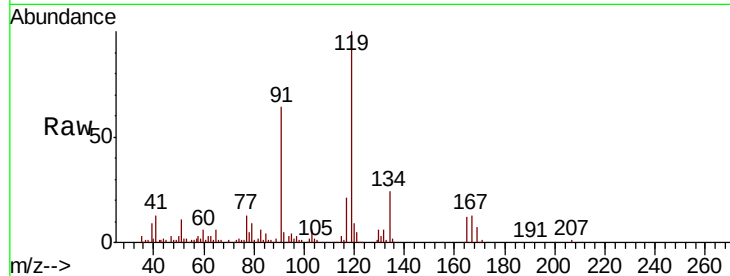




#83
 tert-Butylbenzene
 Concen: 5.619 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

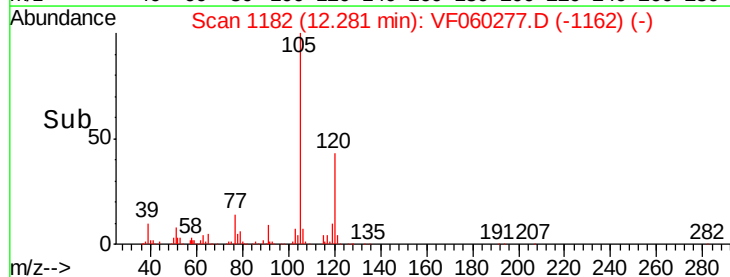
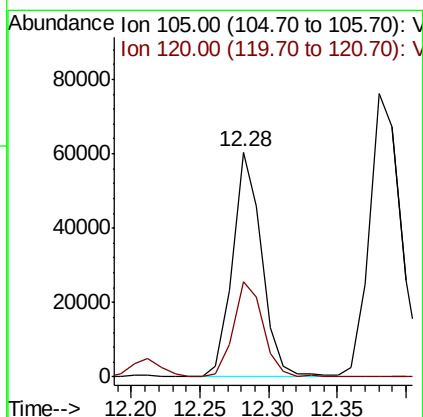
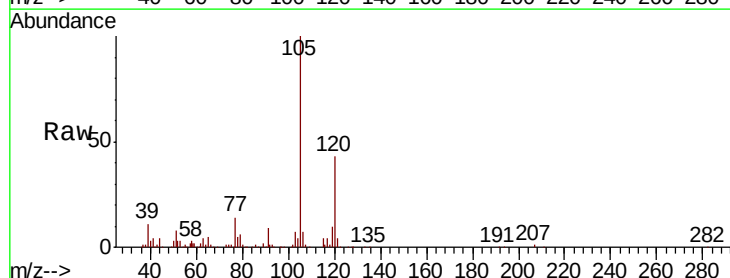
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

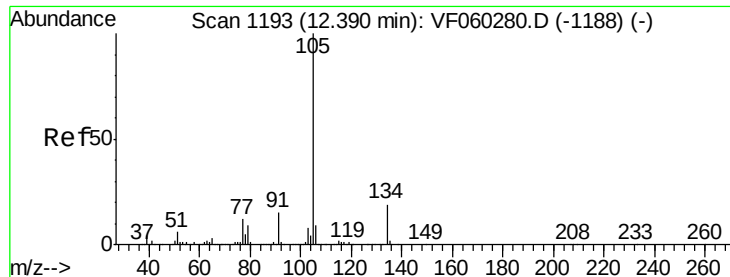
Tgt Ion:119 Resp: 85794
 Ion Ratio Lower Upper
 119 100
 91 63.7 30.3 91.0
 134 24.1 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 5.845 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Tgt Ion:105 Resp: 89396
 Ion Ratio Lower Upper
 105 100
 120 42.6 22.4 67.0





#85

sec-Butylbenzene

Concen: 5.744 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

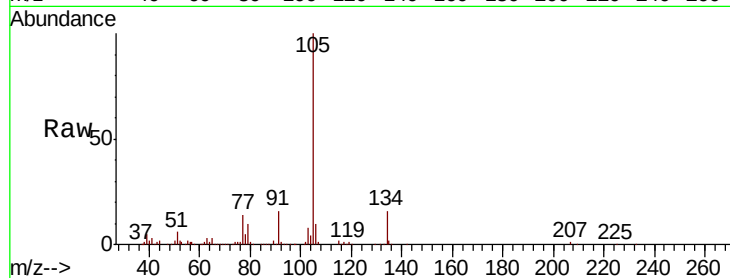
VSTDIC005

Tgt Ion:105 Resp: 121430

Ion Ratio Lower Upper

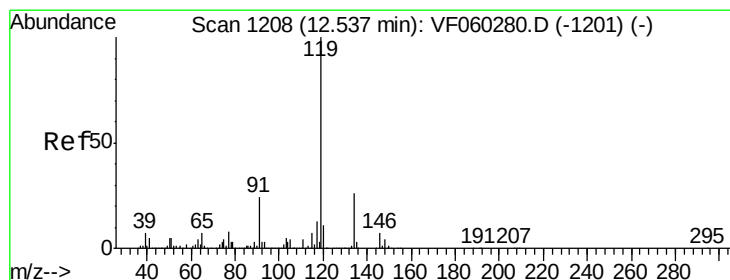
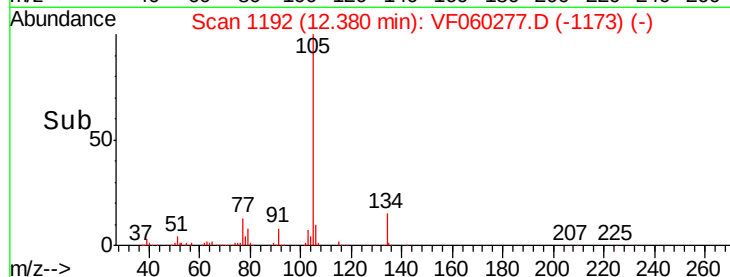
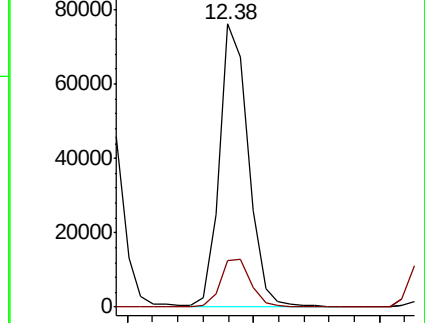
105 100

134 16.3 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: 5.563 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

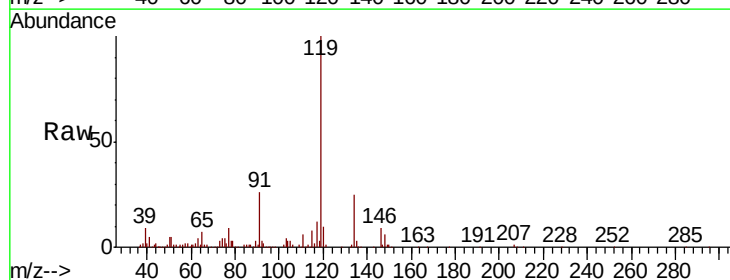
Tgt Ion:119 Resp: 93058

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.7

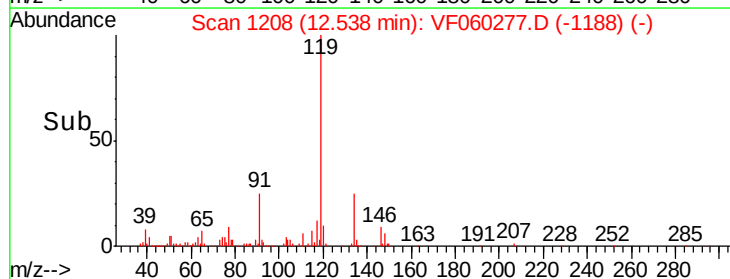
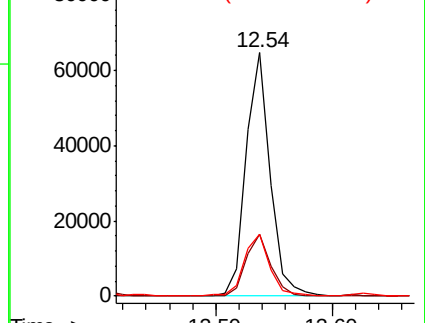
91 25.5 11.9 35.7

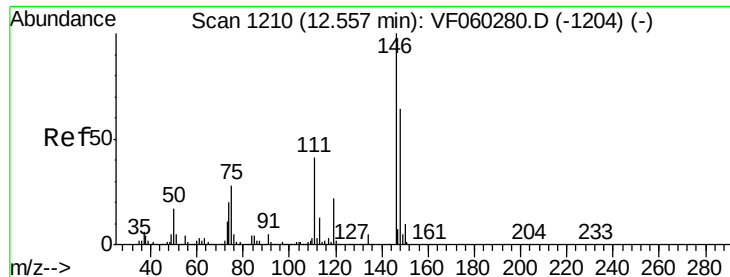


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 5.659 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

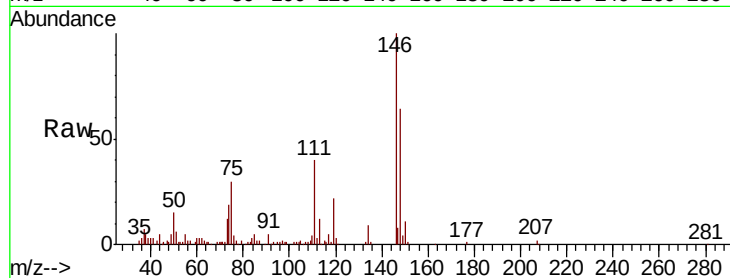
Tgt Ion:146 Resp: 42646

Ion Ratio Lower Upper

146 100

111 39.5 20.5 61.6

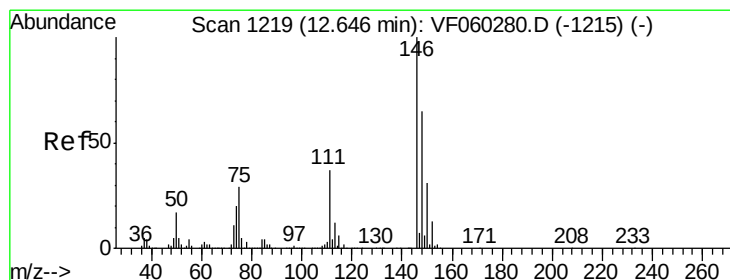
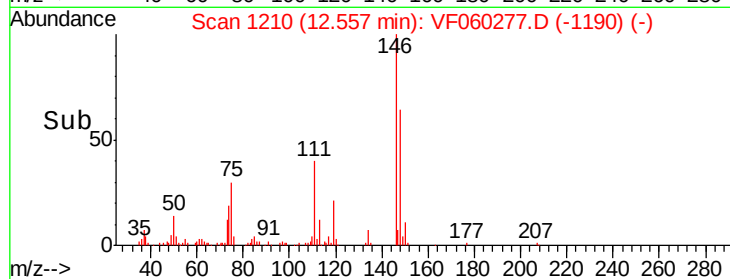
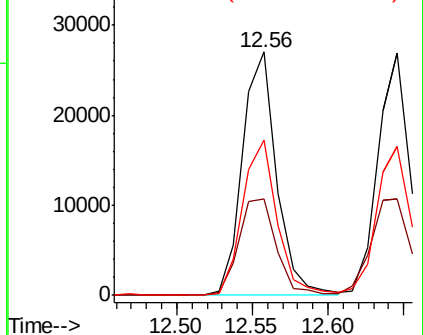
148 63.9 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 5.555 ug/l

RT: 12.65 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

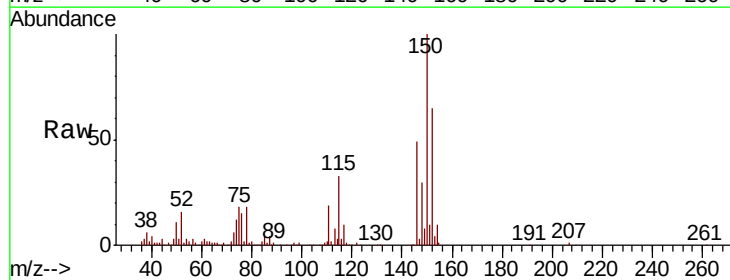
Tgt Ion:146 Resp: 41377

Ion Ratio Lower Upper

146 100

111 39.9 18.7 56.1

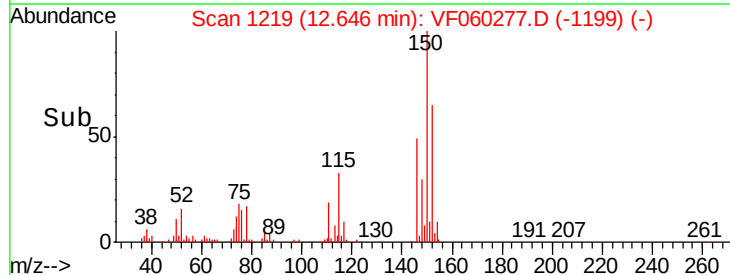
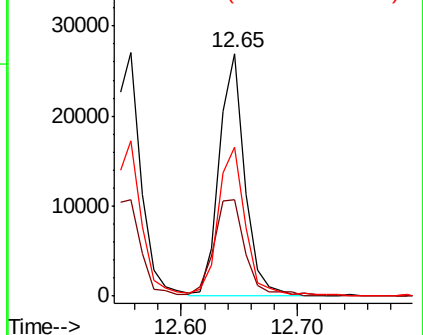
148 61.2 32.4 97.0

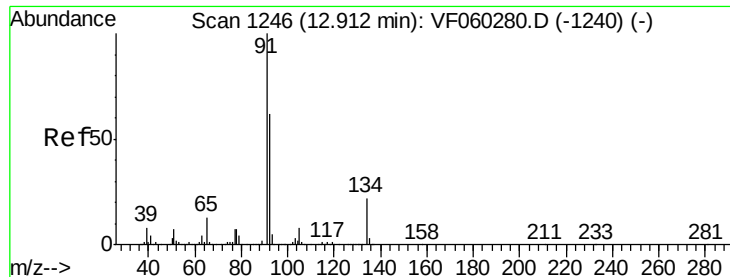


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 5.756 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VF060277.D

Acq: 19 Sep 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

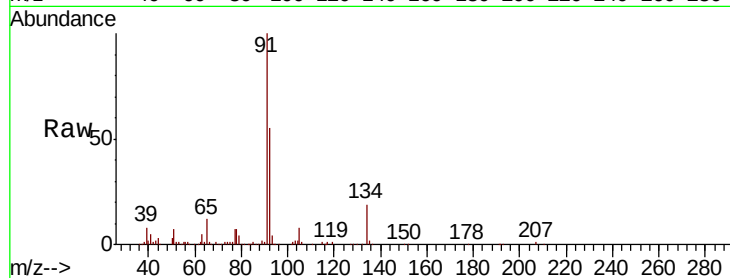
Tgt Ion: 91 Resp: 101867

Ion Ratio Lower Upper

91 100

92 54.5 31.1 93.5

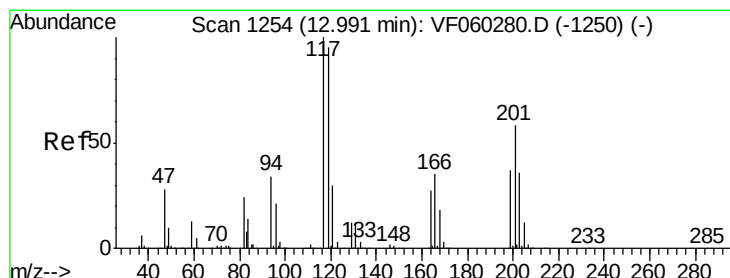
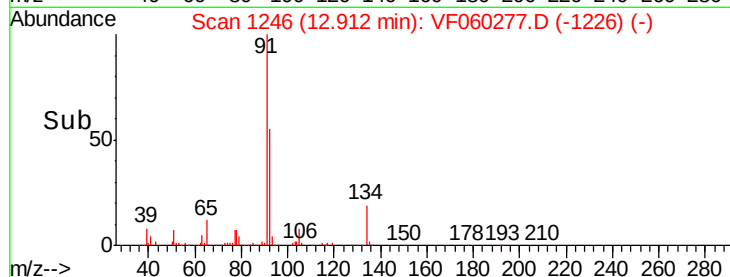
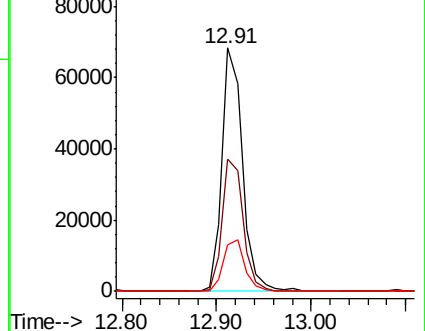
134 19.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 5.350 ug/l

RT: 12.99 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF060277.D

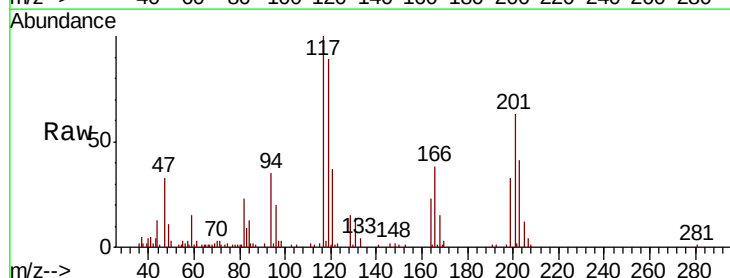
Acq: 19 Sep 2018 12:50

Tgt Ion: 117 Resp: 22857

Ion Ratio Lower Upper

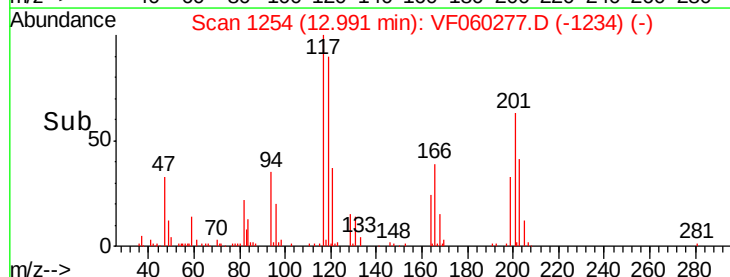
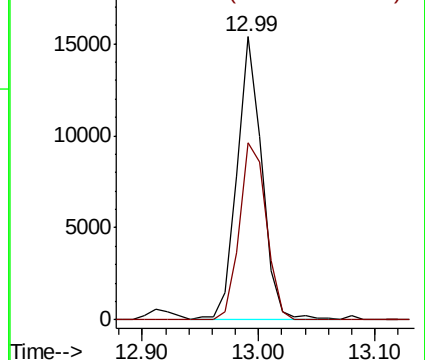
117 100

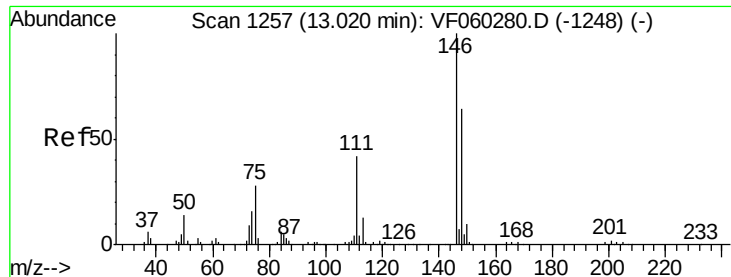
201 64.8 29.0 87.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

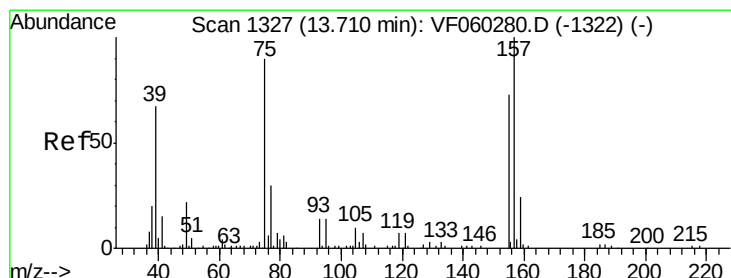
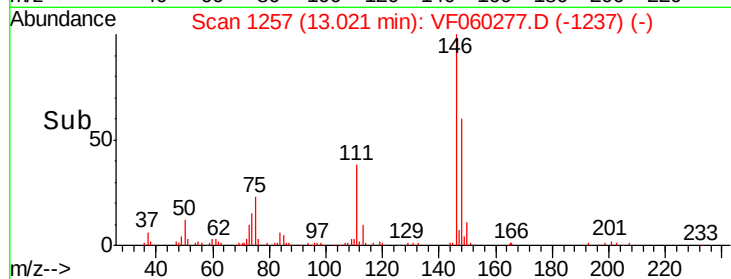
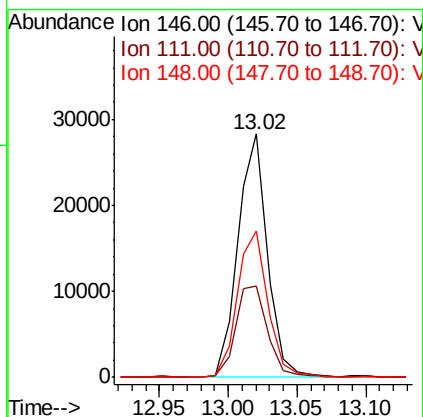
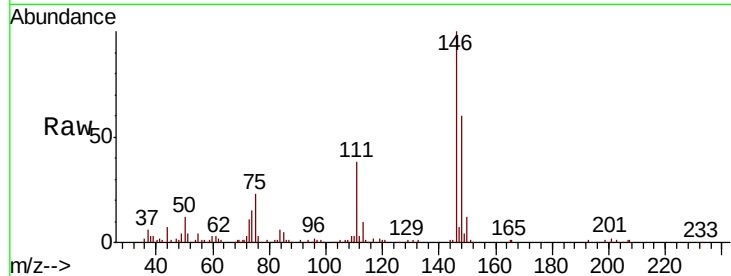




#91
 1,2-Dichlorobenzene
 Concen: 5.858 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

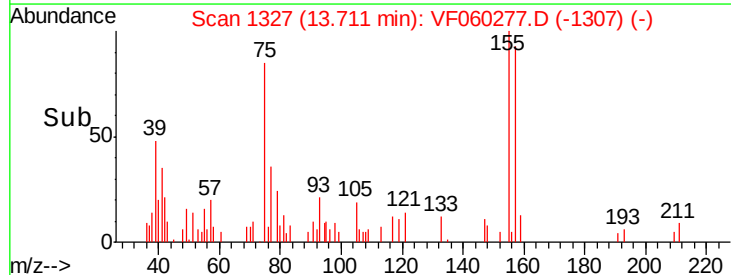
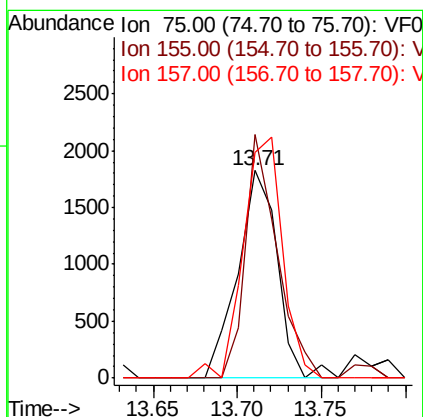
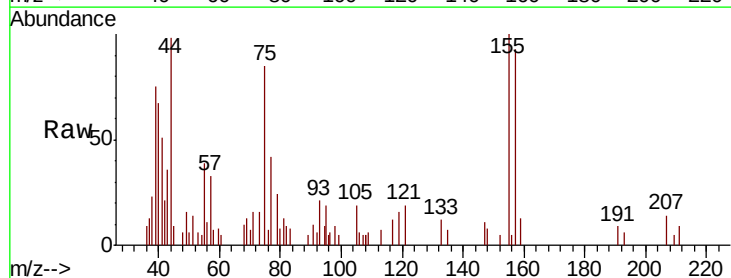
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

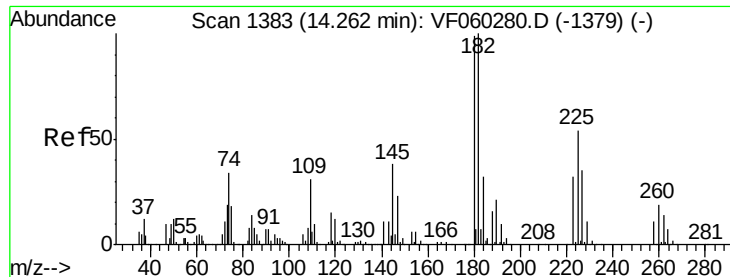
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.9	62.8
148	60.0	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.805 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	117.4	41.9	125.7
157	109.1	57.4	172.0

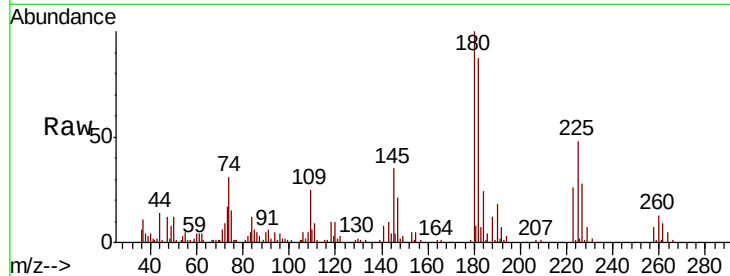




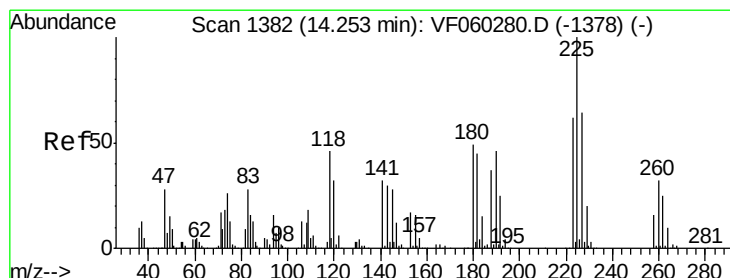
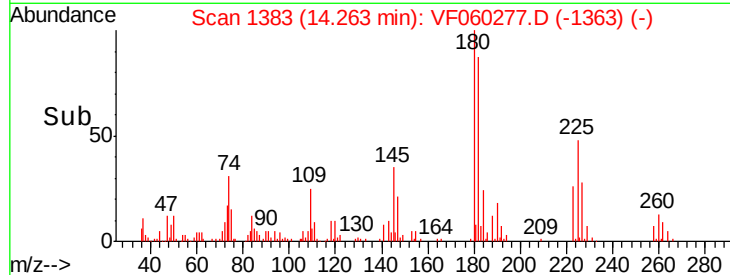
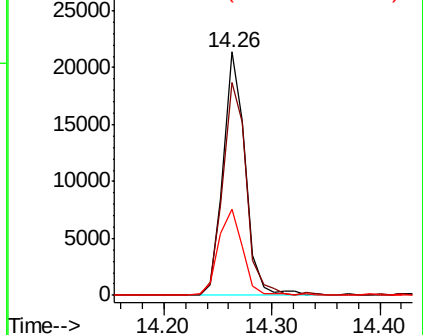
#93
 1,2,4-Trichlorobenzene
 Concen: 5.838 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 30504
 Ion Ratio Lower Upper
 180 100
 182 87.4 50.3 151.0
 145 35.2 18.9 56.9

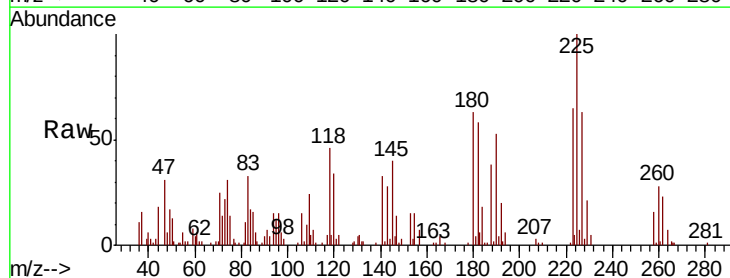


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

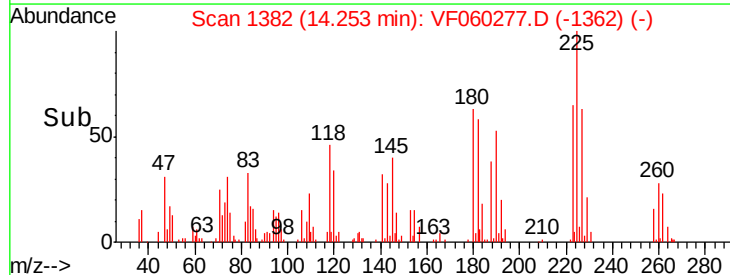
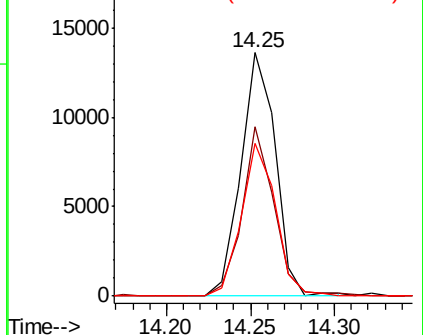


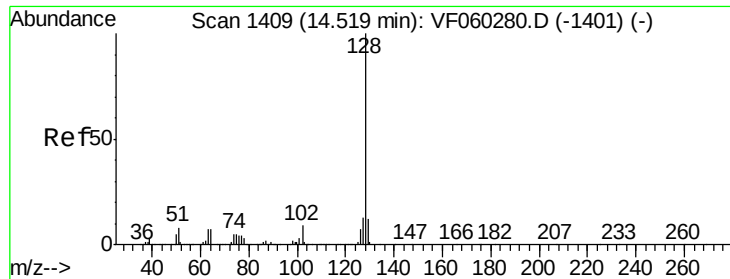
#94
 Hexachlorobutadiene
 Concen: 5.451 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060277.D
 Acq: 19 Sep 2018 12:50

Tgt Ion:225 Resp: 19254
 Ion Ratio Lower Upper
 225 100
 223 69.6 31.2 93.6
 227 62.6 32.2 96.6



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

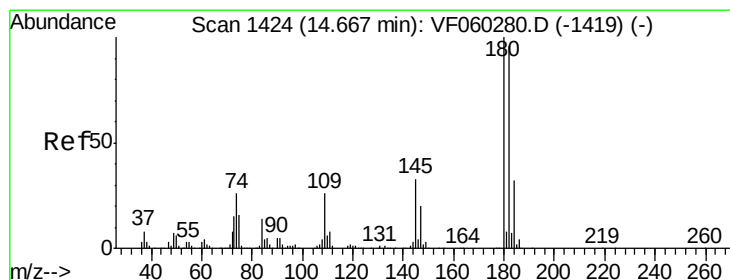
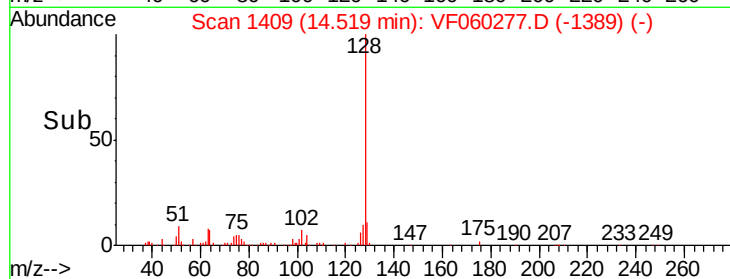
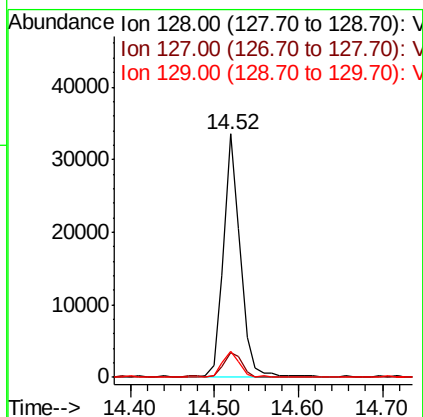
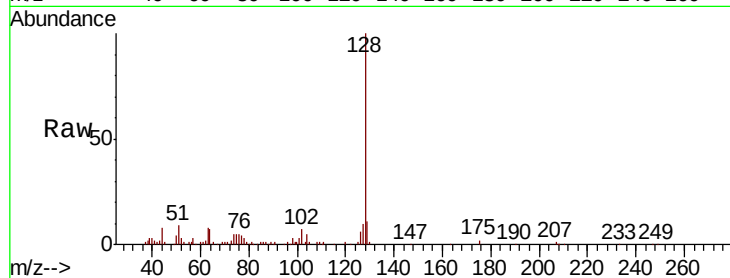




#95
Naphthalene
Concen: 5.137 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 47058
Ion Ratio Lower Upper
128 100
127 10.3 10.1 15.1
129 10.7 9.8 14.8



#96
1,2,3-Trichlorobenzene
Concen: 5.116 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VF060277.D
Acq: 19 Sep 2018 12:50

Tgt Ion:180 Resp: 24702
Ion Ratio Lower Upper
180 100
182 99.5 47.8 143.4
145 32.4 16.4 49.1

