

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
 Data File : VF060331.D
 Acq On : 25 Sep 2018 18:12
 Operator : VA/AP
 Sample : J5059-01
 Misc : 6.39/5mL/MSVOA_F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PHASE-2

Quant Time: Sep 26 01:46:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	28994	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	26299	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	9681	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	905	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	2469	6.32	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	12.64%	
35) Dibromofluoromethane	4.28	113	3205	13.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.34%	
50) Toluene-d8	7.69	98	11083	18.15	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	36.30%	
62) 4-Bromofluorobenzene	11.50	95	1462	5.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.08%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.01	85	77	Below Cal	# 40
5) Bromomethane	1.21	94	93	Below Cal	# 97
11) Tert butyl alcohol	2.66	59	97	Below Cal	# 63
13) Acrolein	2.04	56	92	Below Cal	# 93
14) Allyl chloride	2.17	41	922	1.601	ug/l # 73
15) Acrylonitrile	3.05	53	112	2.031	ug/l # 35
16) Acetone	2.31	43	826	7.513	ug/l # 65
17) Carbon Disulfide	1.91	76	66	Below Cal	# 70
18) Methyl Acetate	2.42	43	1281	6.994	ug/l # 62
20) Methylene Chloride	2.29	84	605	Below Cal	# 28
23) Vinyl Acetate	3.31	43	811	1.901	ug/l # 79
25) 2-Butanone	4.52	43	575	3.885	ug/l # 56
29) Tetrahydrofuran	4.26	42	422	7.787	ug/l # 35
37) Ethyl Acetate	4.27	43	313	2.255	ug/l # 1
41) Methacrylonitrile	4.88	41	596	7.913	ug/l # 49
43) Isopropyl Acetate	7.06	43	888	5.314	ug/l # 48
48) Methyl methacrylate	6.82	41	622	5.303	ug/l # 35
49) 1,4-Dioxane	6.80	88	115	109.738	ug/l # 44
55) 1,1,2-Trichloroethane	8.60	97	257	1.799	ug/l # 17
58) 2-Chloroethyl Vinyl ether	7.67	63	67	4.394	ug/l 100
59) 2-Hexanone	9.61	43	587	6.401	ug/l # 26
64) Tetrachloroethene	8.20	164	126	1.436	ug/l # 1
69) o-Xylene	10.79	106	158	1.005	ug/l # 1
73) Isopropylbenzene	11.22	105	122	1.502	ug/l # 51
74) N-amyl acetate	11.48	43	371	21.414	ug/l # 59
75) 1,1,2,2-Tetrachloroethane	11.78	83	73	5.070	ug/l # 27
76) 1,2,3-Trichloropropane	11.91	75	60	5.820	ug/l # 1
78) n-propylbenzene	11.68	91	180	Below Cal	# 57
79) 2-Chlorotoluene	11.80	91	139	2.536	ug/l # 42
80) 1,3,5-Trimethylbenzene	11.97	105	140	2.141	ug/l # 28
81) trans-1,4-Dichloro-2-buten	11.91	75	60	11.013	ug/l # 30
82) 4-Chlorotoluene	11.94	91	132	2.396	ug/l # 43
83) tert-Butylbenzene	12.19	119	70	1.056	ug/l # 29
84) 1,2,4-Trimethylbenzene	12.28	105	88	1.325	ug/l # 31

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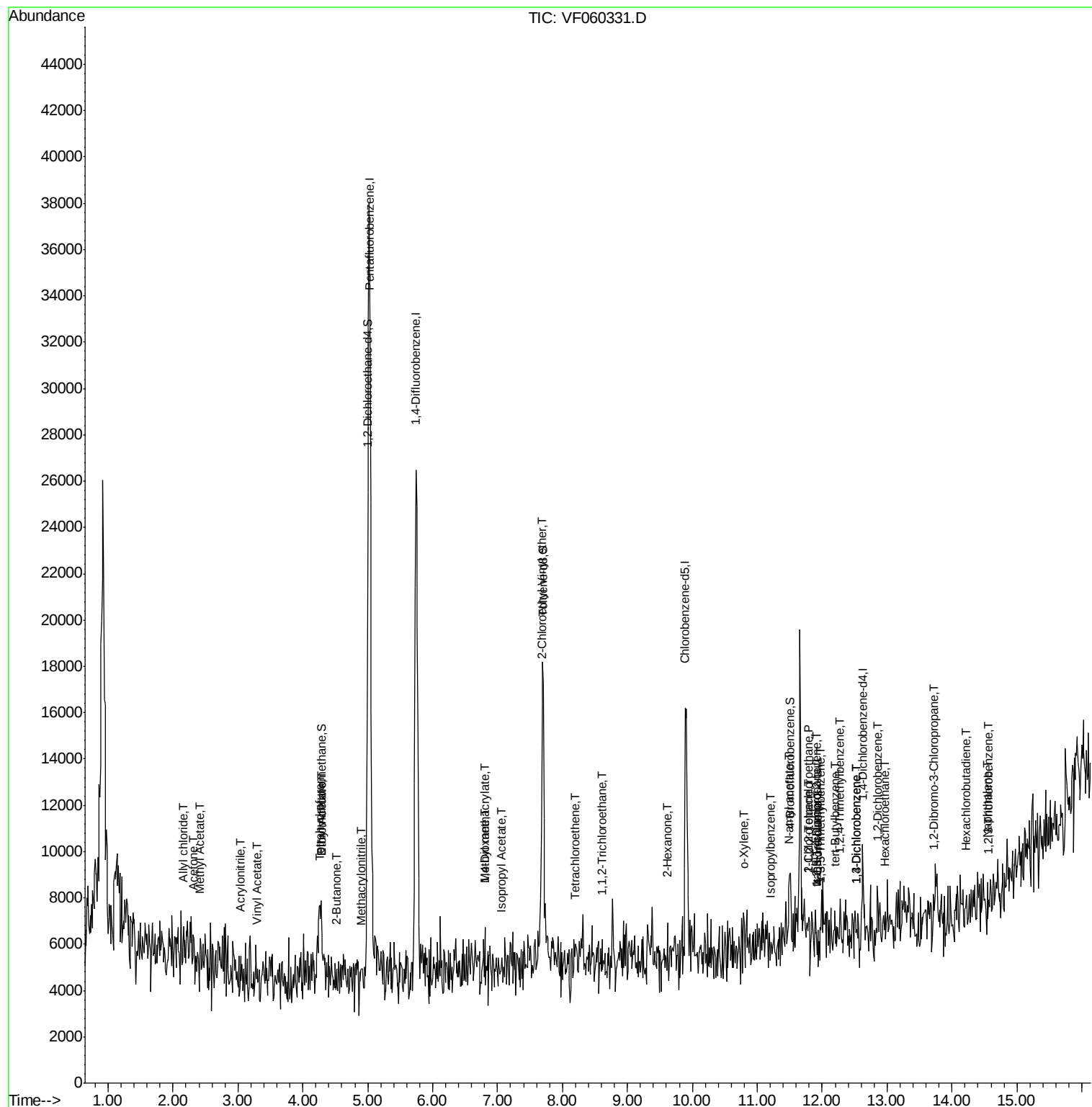
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	12.38	105	200	Below Cal	#	58
86) p-Isopropyltoluene	12.52	119	62	Below Cal	#	50
87) 1,3-Dichlorobenzene	12.53	146	127	3.882 ug/l	#	24
88) 1,4-Dichlorobenzene	12.53	146	127	3.927 ug/l	#	25
89) n-Butylbenzene	12.89	91	71	Below Cal	#	28
90) Hexachloroethane	12.97	117	201	10.835 ug/l	#	22
91) 1,2-Dichlorobenzene	12.85	146	70	2.243 ug/l	#	24
92) 1,2-Dibromo-3-Chloropropan	13.73	75	163	60.297 ug/l	#	1
94) Hexachlorobutadiene	14.23	225	62	4.043 ug/l	#	19
95) Naphthalene	14.55	128	75	1.886 ug/l	#	68
96) 1,2,3-Trichlorobenzene	14.57	180	147	7.013 ug/l	#	12

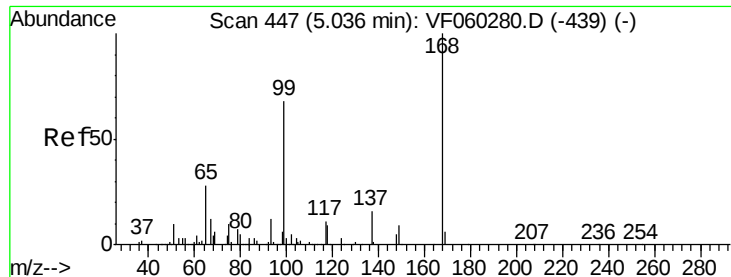
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

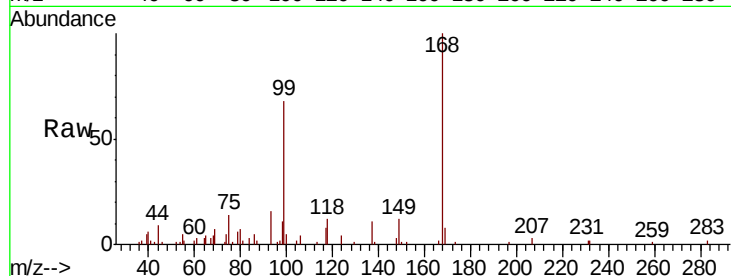
PHASE-2

Tgt Ion:168 Resp: 28994

Ion Ratio Lower Upper

168 100

99 67.8 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

10000

8000

6000

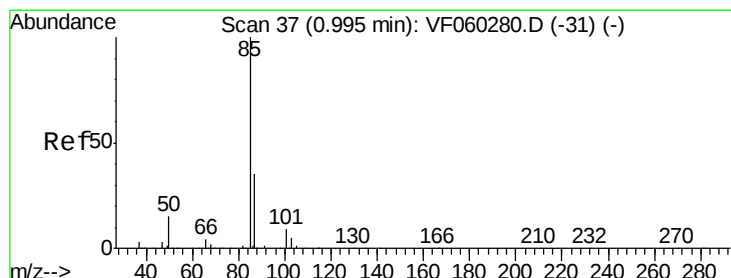
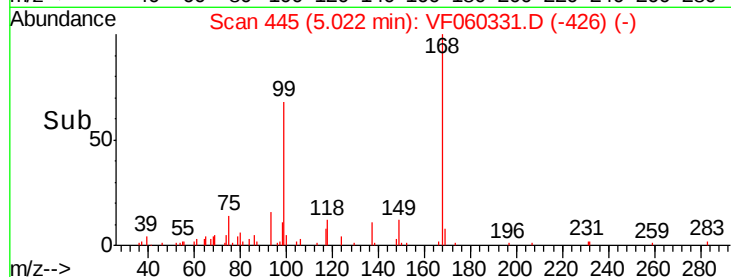
4000

2000

0

Time-->

4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 38

Delta R.T. 0.02 min

Lab File: VF060331.D

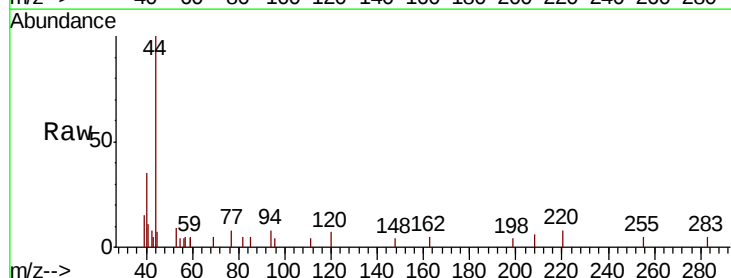
Acq: 25 Sep 2018 18:12

Tgt Ion: 85 Resp: 77

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

150

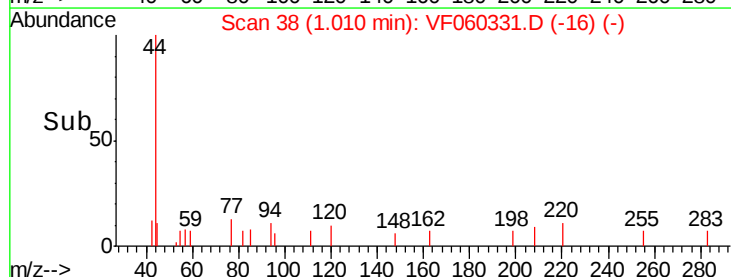
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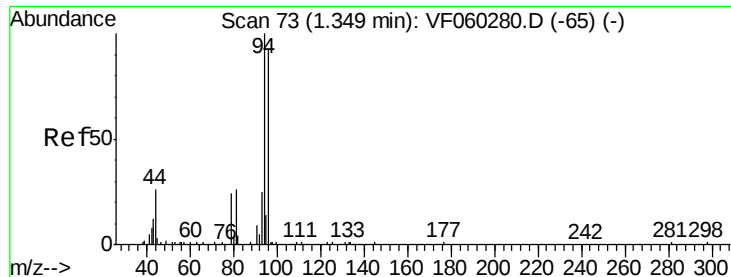
50

0

Time-->

0.98 1.00 1.02 1.04





#5

Bromomethane

Concen: Below Cal

RT: 1.21 min Scan# 58

Delta R.T. -0.14 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

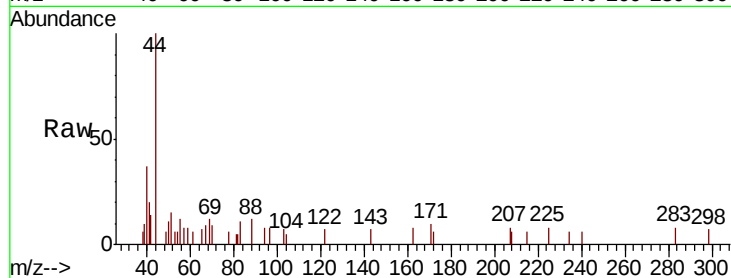
PHASE-2

Tgt Ion: 94 Resp: 93

Ion Ratio Lower Upper

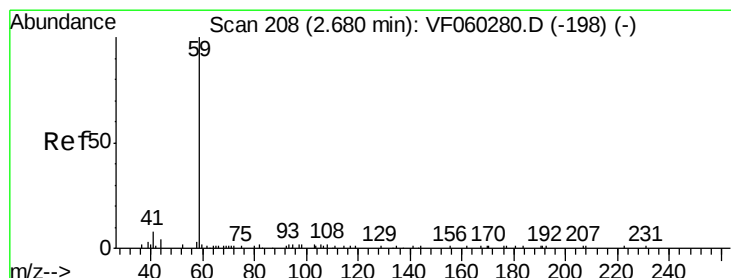
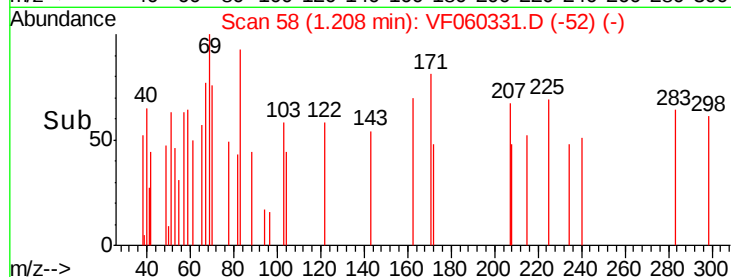
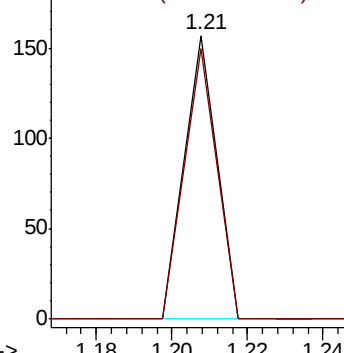
94 100

96 95.5 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.66 min Scan# 205

Delta R.T. -0.02 min

Lab File: VF060331.D

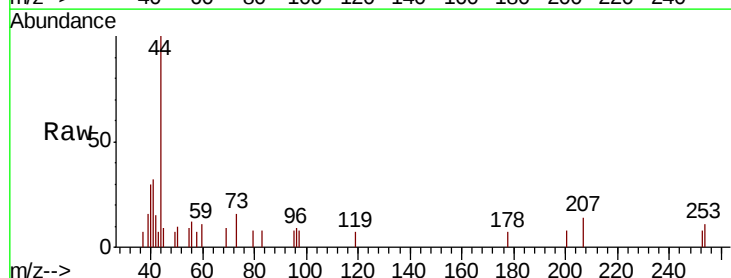
Acq: 25 Sep 2018 18:12

Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

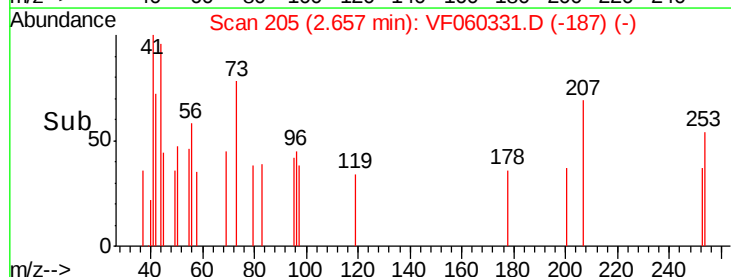
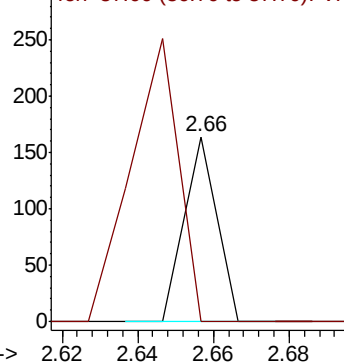
59 100

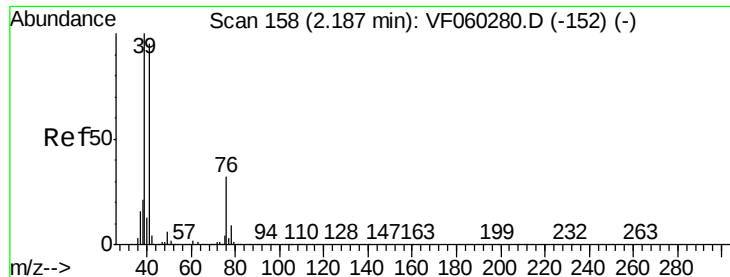
57 0.0 12.4 18.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

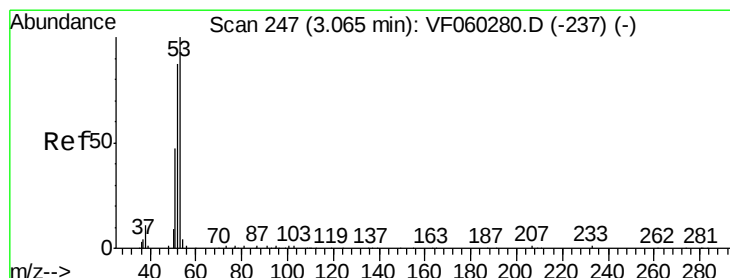
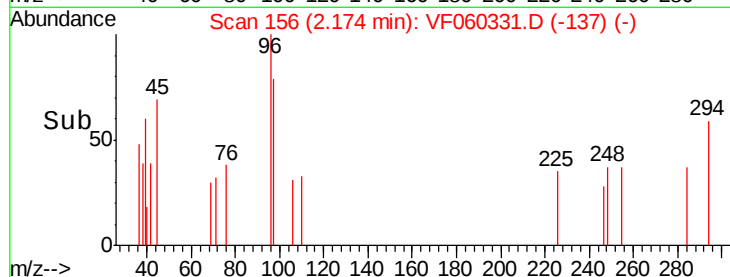
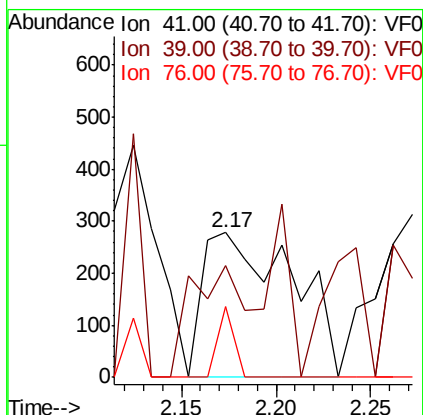
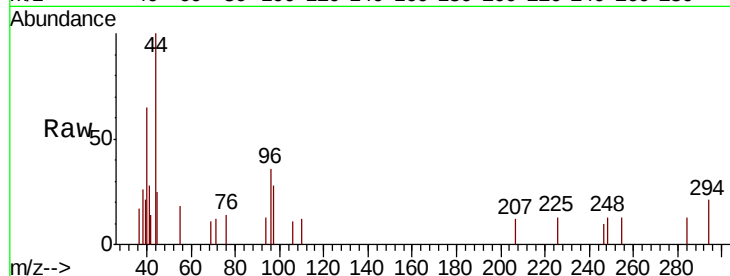




#14
 Allyl chloride
 Concen: 1.601 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.01 min
 Lab File: VF060331.D
 Acq: 25 Sep 2018 18:12

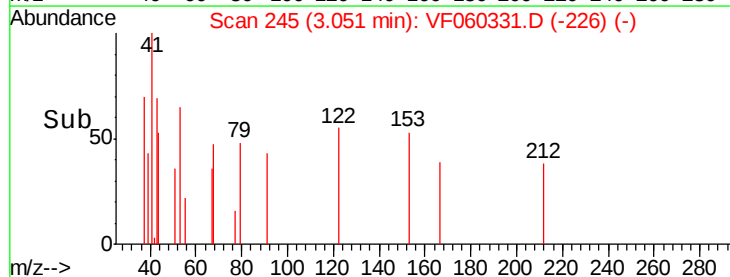
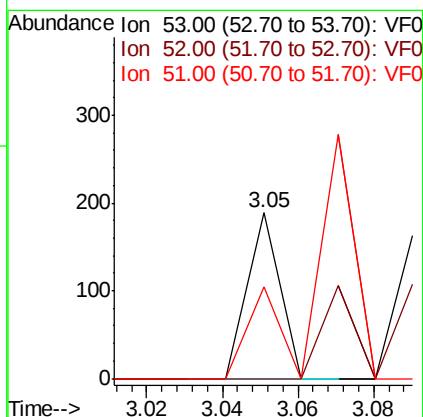
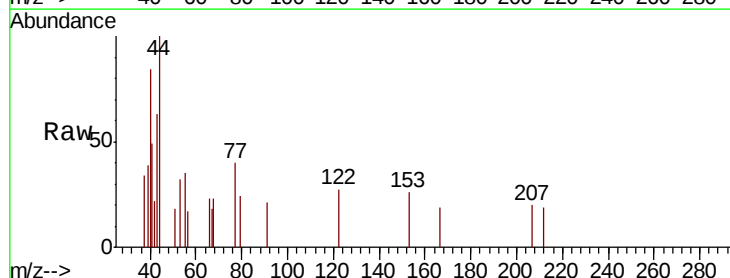
Instrument :
 MSVOA_F
 ClientSampled :
 PHASE-2

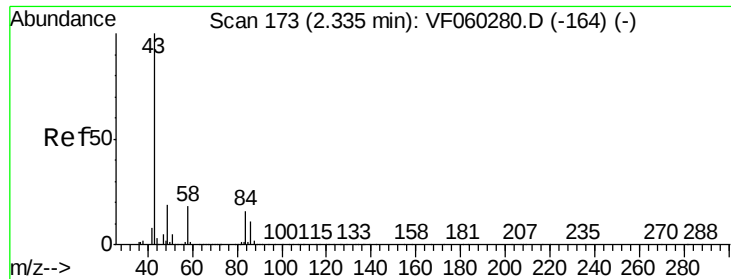
Tgt Ion: 41 Resp: 922
 Ion Ratio Lower Upper
 41 100
 39 77.0 84.8 127.2#
 76 48.9 27.4 41.2#



#15
 Acrylonitrile
 Concen: 2.031 ug/l
 RT: 3.05 min Scan# 245
 Delta R.T. -0.01 min
 Lab File: VF060331.D
 Acq: 25 Sep 2018 18:12

Tgt Ion: 53 Resp: 112
 Ion Ratio Lower Upper
 53 100
 52 0.0 69.5 104.3#
 51 55.6 38.1 57.1

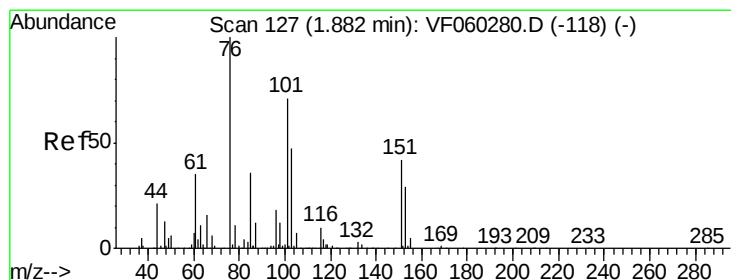
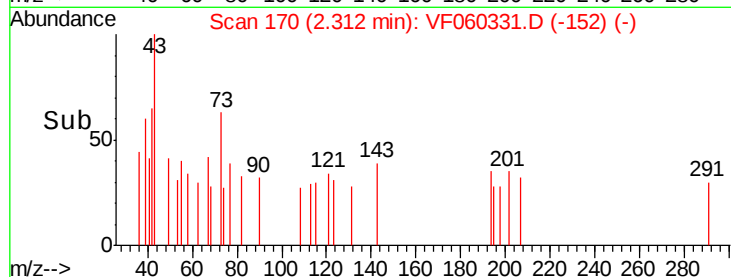
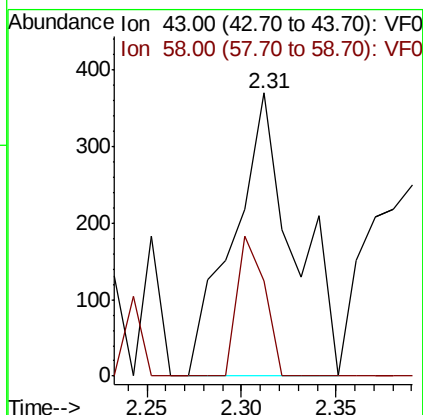
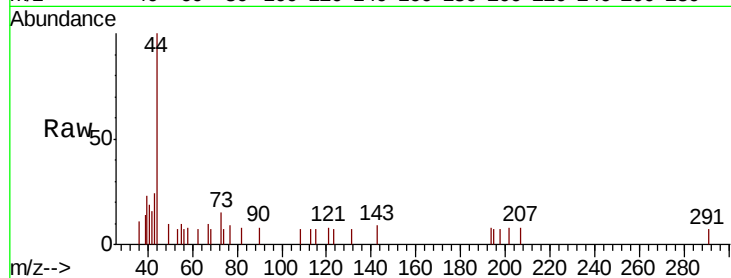




#16
Acetone
Concen: 7.513 ug/l
RT: 2.31 min Scan# 170
Delta R.T. -0.02 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

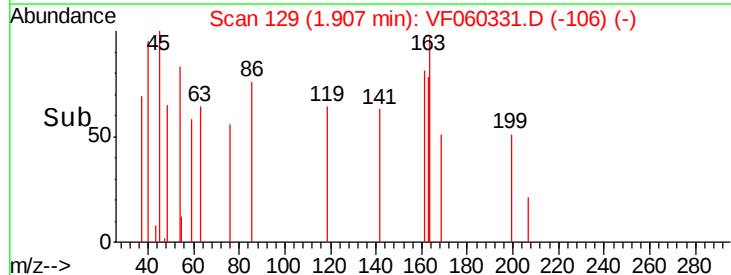
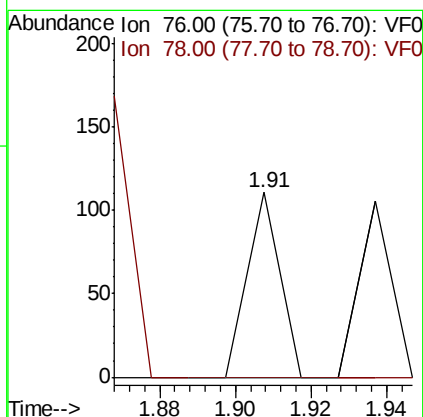
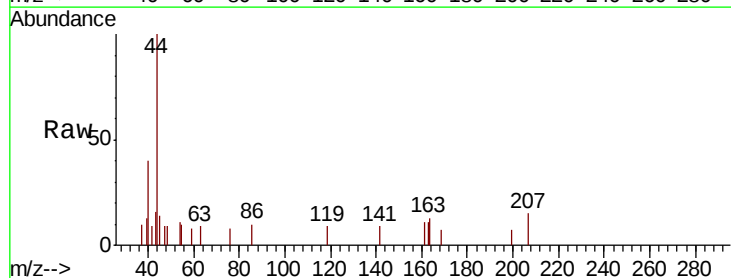
Instrument :
MSVOA_F
ClientSampled :
PHASE-2

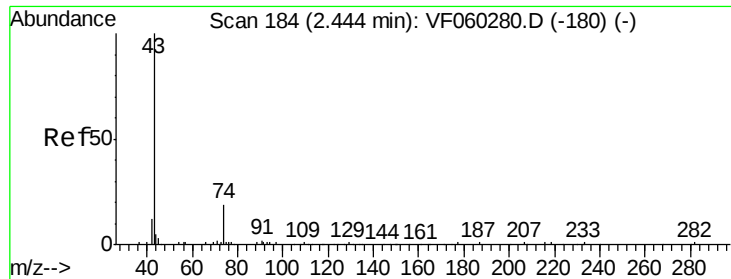
Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
58 33.5 14.5 21.7#



#17
Carbon Disulfide
Concen: Below Cal
RT: 1.91 min Scan# 129
Delta R.T. 0.03 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

Tgt Ion: 76 Resp: 66
Ion Ratio Lower Upper
76 100
78 0.0 9.4 14.0#

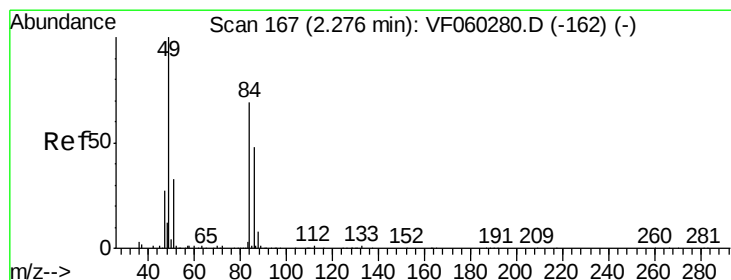
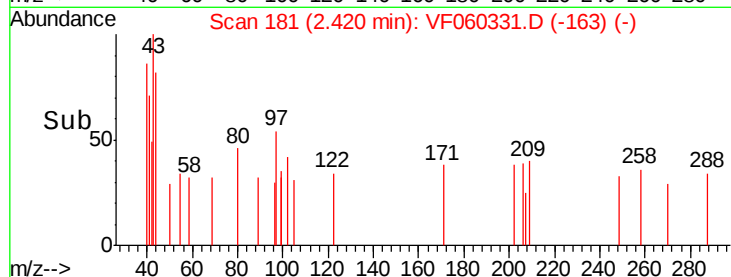
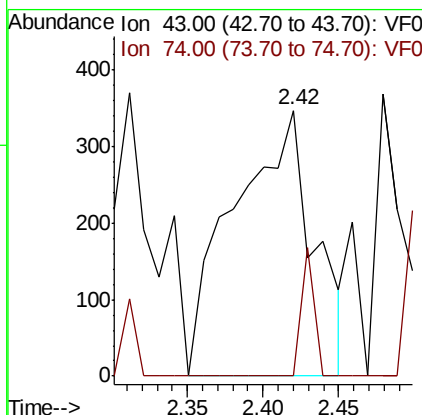
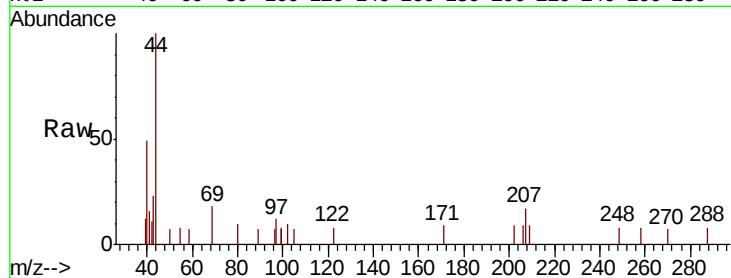




#18
Methyl Acetate
Concen: 6.994 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

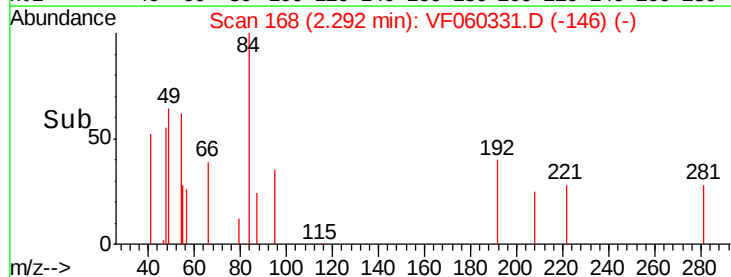
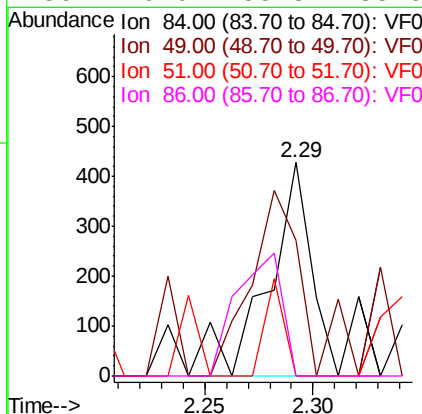
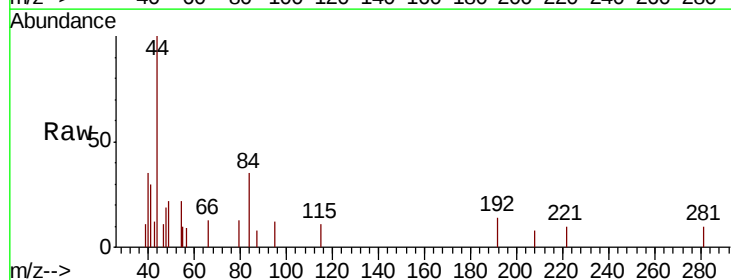
Instrument :
MSVOA_F
ClientSampleId :
PHASE-2

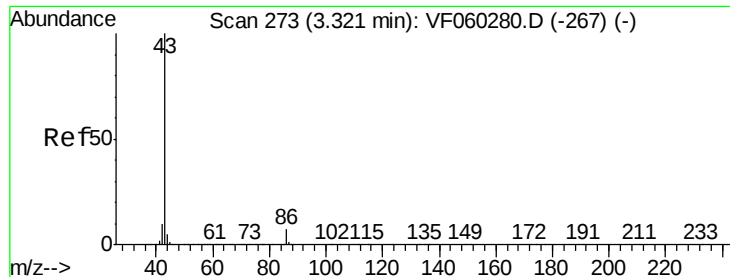
Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
74 0.0 12.7 19.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.29 min Scan# 168
Delta R.T. 0.02 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

Tgt Ion: 84 Resp: 605
Ion Ratio Lower Upper
84 100
49 63.8 118.3 177.5#
51 0.0 38.7 58.1#
86 0.0 55.8 83.6#





#23

Vinyl Acetate

Concen: 1.901 ug/l

RT: 3.31 min Scan# 271

Delta R.T. -0.01 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampled :

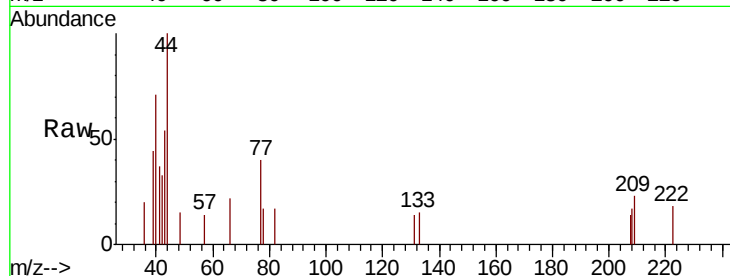
PHASE-2

Tgt Ion: 43 Resp: 811

Ion Ratio Lower Upper

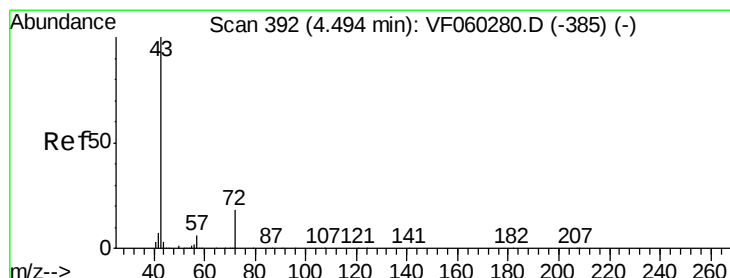
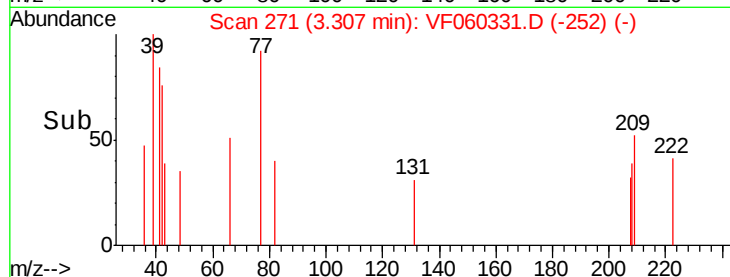
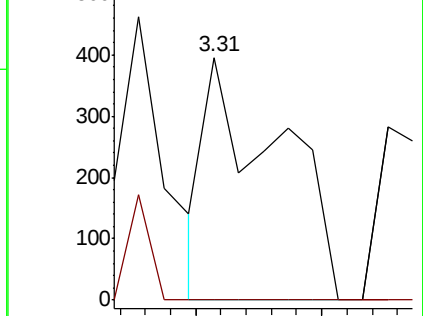
43 100

86 0.0 5.9 8.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 3.885 ug/l

RT: 4.52 min Scan# 394

Delta R.T. 0.03 min

Lab File: VF060331.D

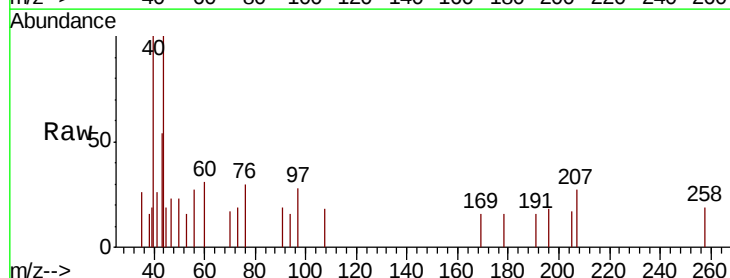
Acq: 25 Sep 2018 18:12

Tgt Ion: 43 Resp: 575

Ion Ratio Lower Upper

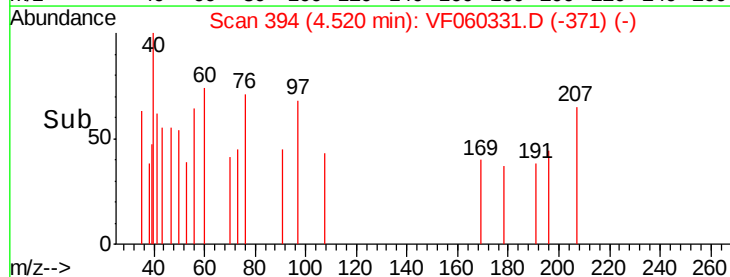
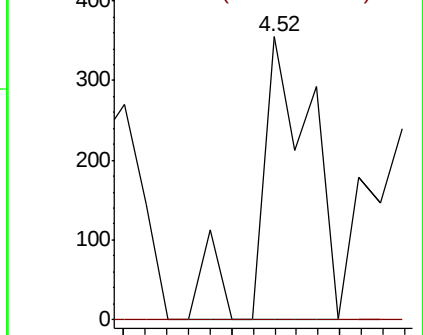
43 100

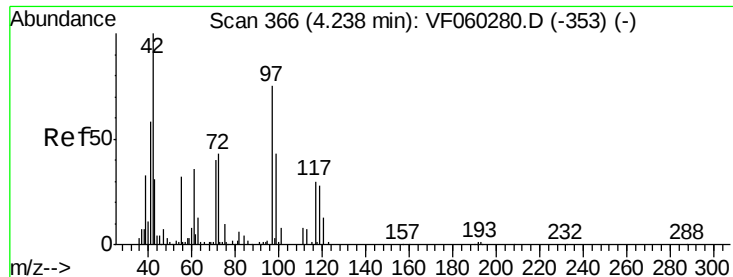
72 0.0 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

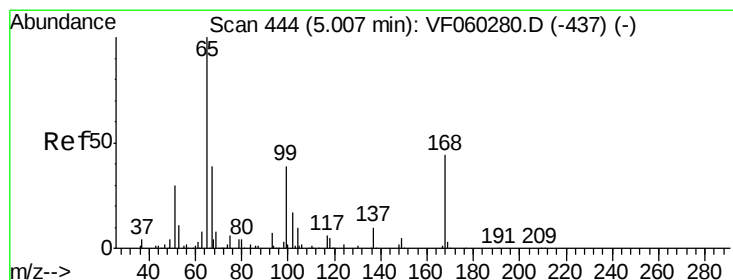
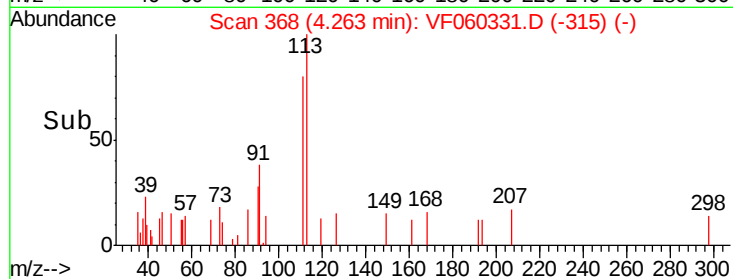
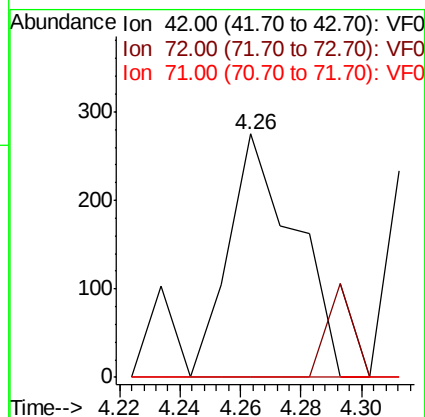
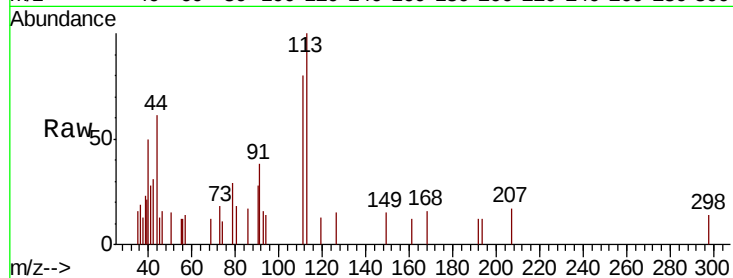




#29
Tetrahydrofuran
Concen: 7.787 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.03 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

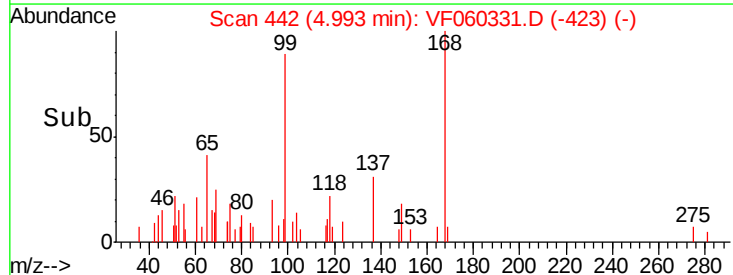
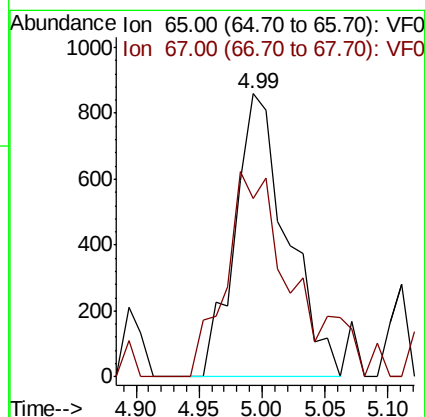
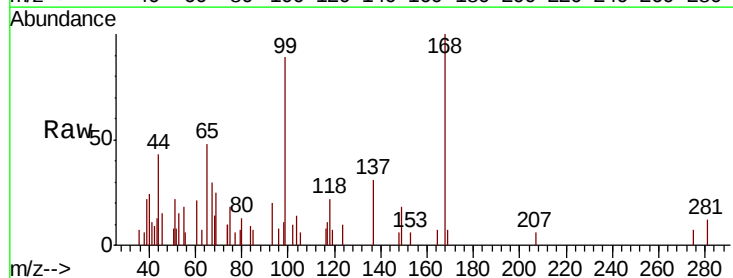
Instrument :
MSVOA_F
ClientSampleId :
PHASE-2

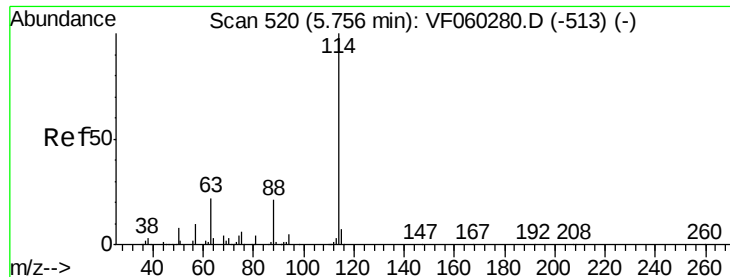
Tgt Ion: 42 Resp: 422
Ion Ratio Lower Upper
42 100
72 0.0 32.6 49.0#
71 0.0 32.7 49.1#



#33
1,2-Dichloroethane-d4
Concen: 6.324 ug/l
RT: 4.99 min Scan# 442
Delta R.T. -0.01 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

Tgt Ion: 65 Resp: 2469
Ion Ratio Lower Upper
65 100
67 63.1 0.0 94.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 518

Delta R.T. -0.01 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

PHASE-2

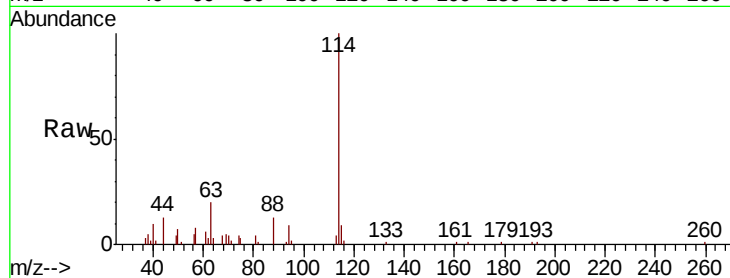
Tgt Ion:114 Resp: 26299

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.8

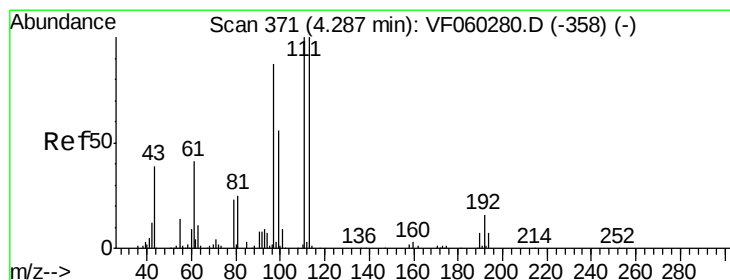
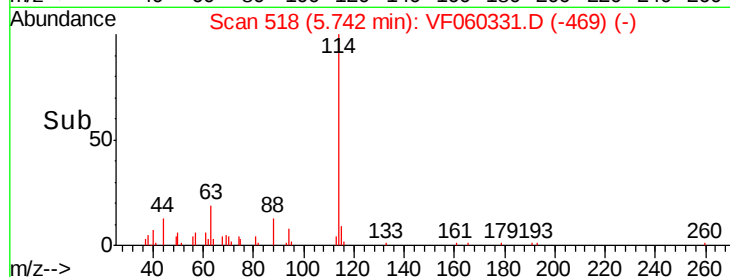
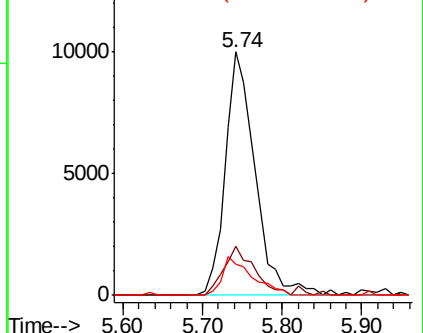
88 12.8 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 13.671 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

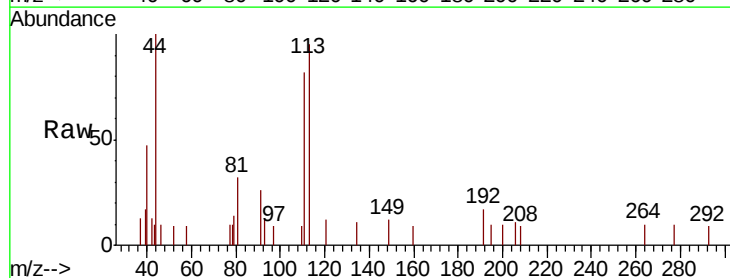
Tgt Ion:113 Resp: 3205

Ion Ratio Lower Upper

113 100

111 86.1 79.6 119.4

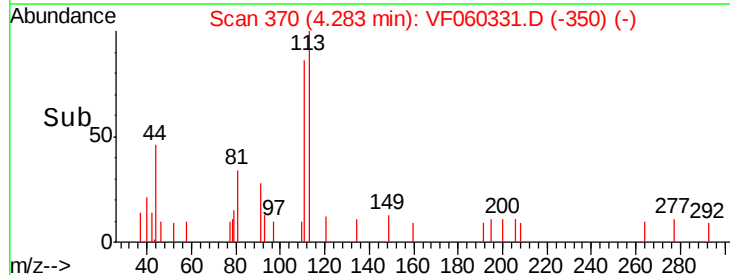
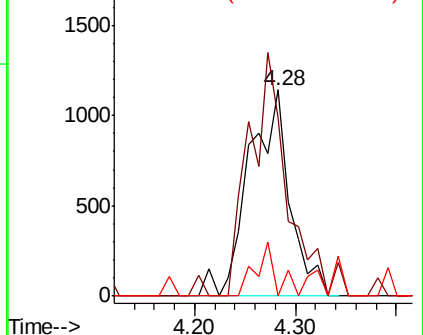
192 0.0 13.0 19.6#

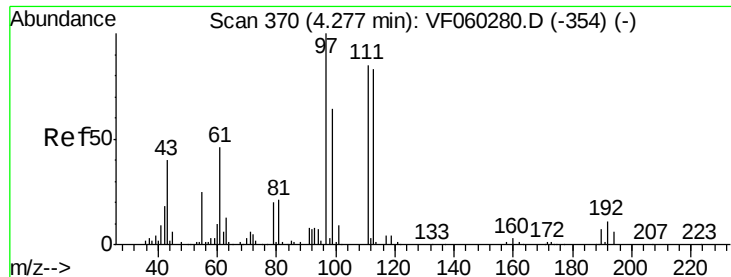


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

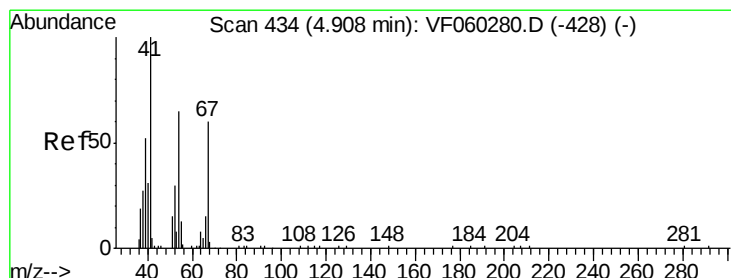
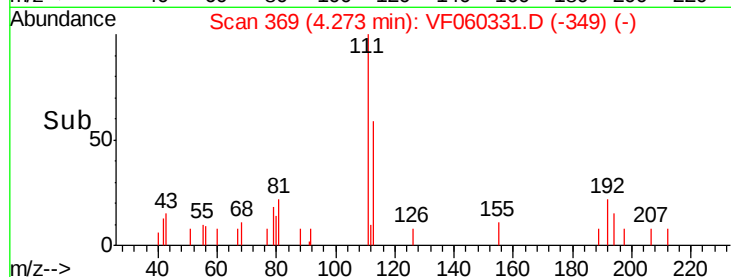
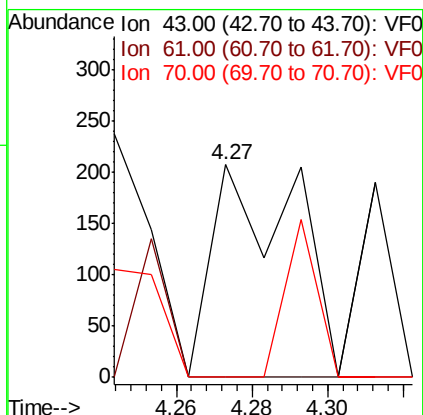
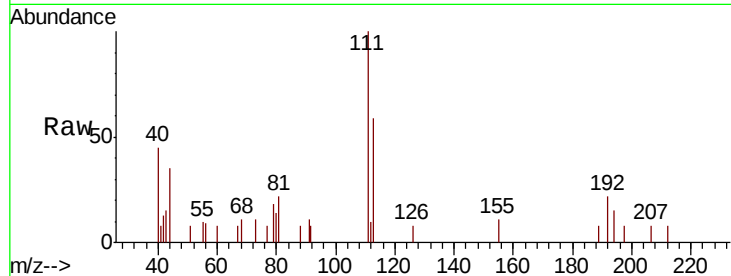




#37
Ethyl Acetate
Concen: 2.255 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

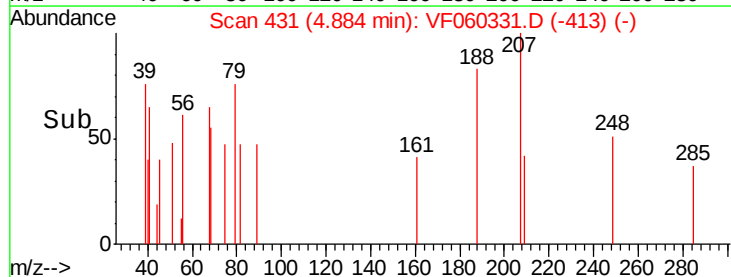
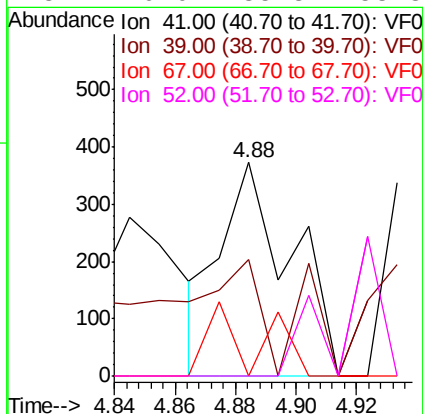
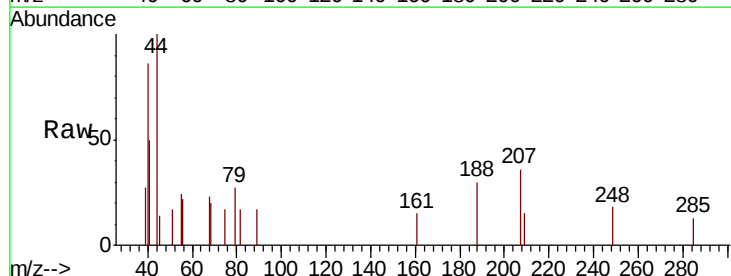
Instrument :
MSVOA_F
ClientSampleId :
PHASE-2

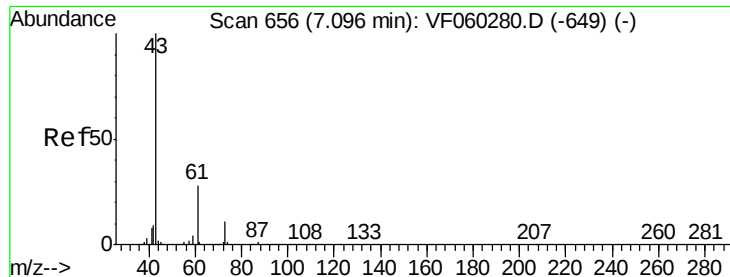
Tgt Ion: 43 Resp: 313
Ion Ratio Lower Upper
43 100
61 0.0 91.1 136.7#
70 0.0 6.9 10.3#



#41
Methacrylonitrile
Concen: 7.913 ug/l
RT: 4.88 min Scan# 431
Delta R.T. -0.02 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

Tgt Ion: 41 Resp: 596
Ion Ratio Lower Upper
41 100
39 54.7 49.1 73.7
67 0.0 48.2 72.4#
52 0.0 35.8 53.8#





#43

Isopropyl Acetate

Concen: 5.314 ug/l

RT: 7.06 min Scan# 652

Delta R.T. -0.03 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampled :

PHASE-2

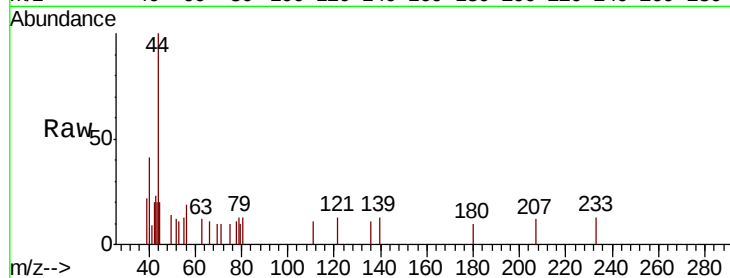
Tgt Ion: 43 Resp: 888

Ion Ratio Lower Upper

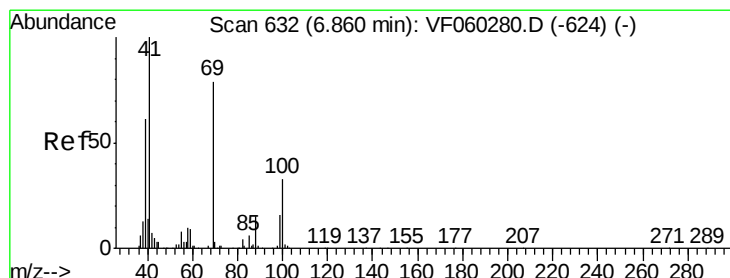
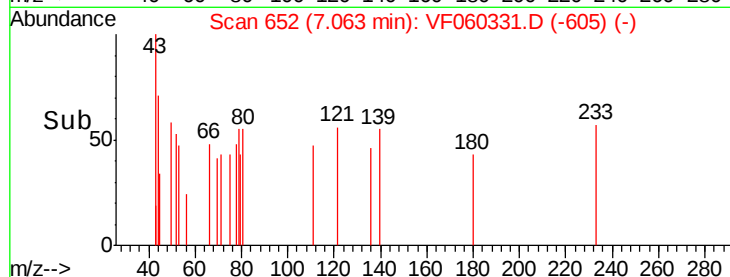
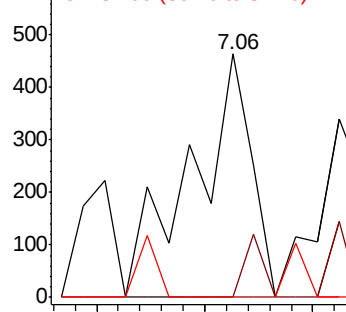
43 100

61 0.0 22.4 33.6#

87 0.0 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



#48

Methyl methacrylate

Concen: 5.303 ug/l

RT: 6.82 min Scan# 627

Delta R.T. -0.04 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

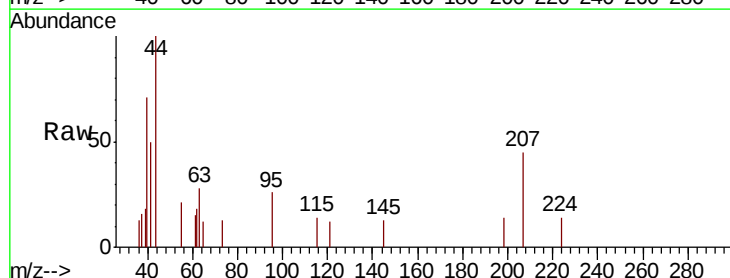
Tgt Ion: 41 Resp: 622

Ion Ratio Lower Upper

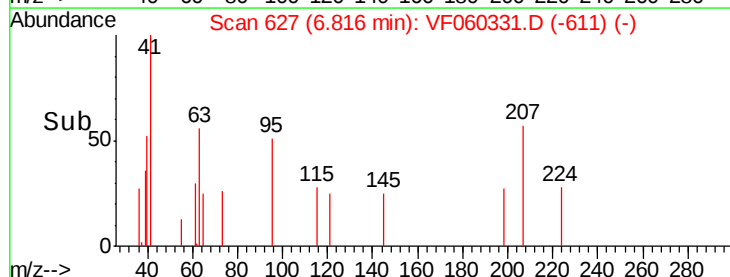
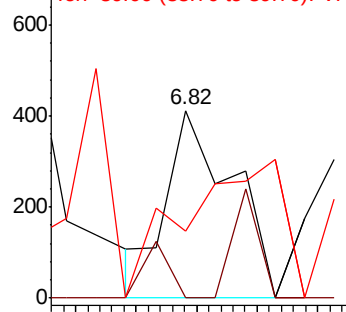
41 100

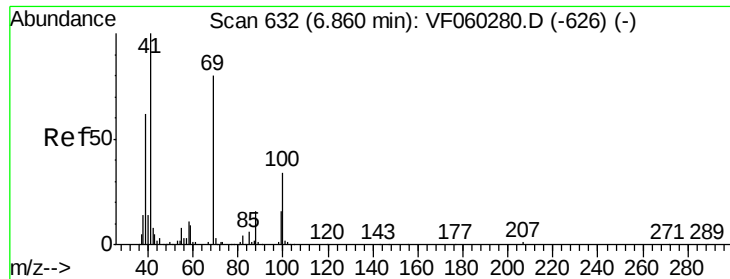
69 0.0 62.6 94.0#

39 35.7 49.1 73.7#



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 109.738 ug/l

RT: 6.80 min Scan# 625

Delta R.T. -0.06 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

PHASE-2

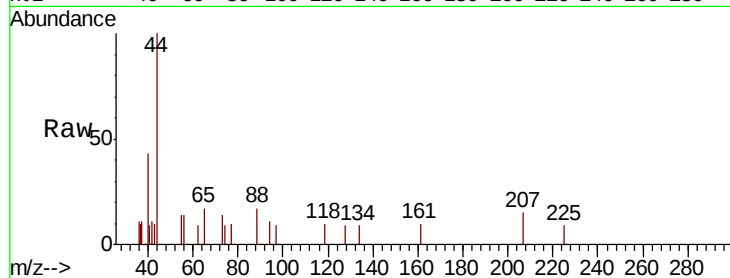
Tgt Ion: 88 Resp: 115

Ion Ratio Lower Upper

88 100

43 59.5 40.2 60.4

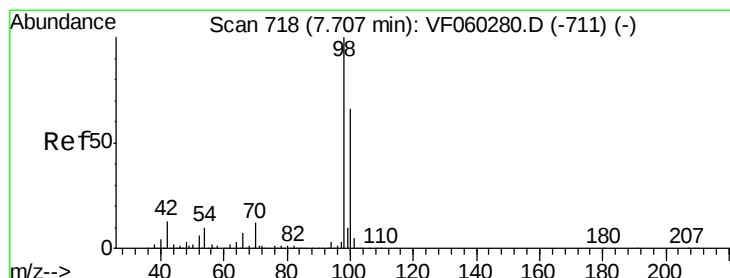
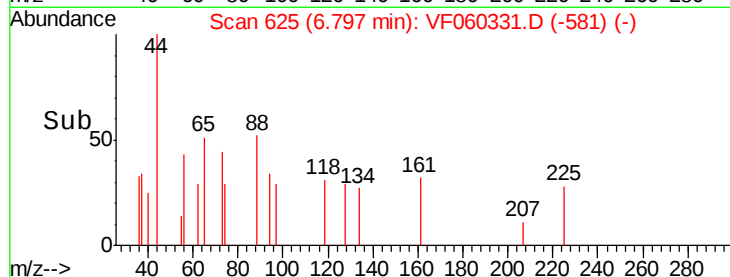
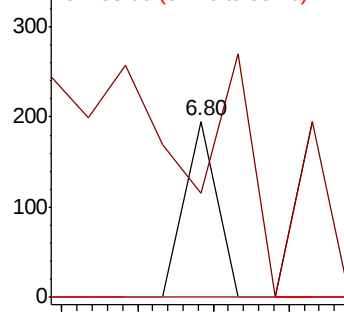
58 0.0 56.7 85.1#



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: 18.153 ug/l

RT: 7.69 min Scan# 716

Delta R.T. -0.01 min

Lab File: VF060331.D

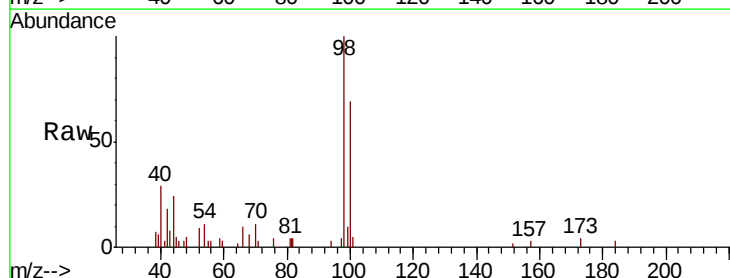
Acq: 25 Sep 2018 18:12

Tgt Ion: 98 Resp: 11083

Ion Ratio Lower Upper

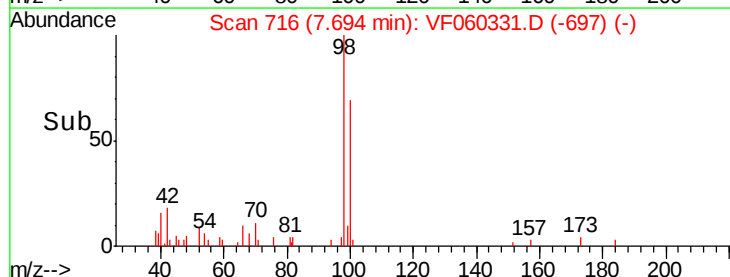
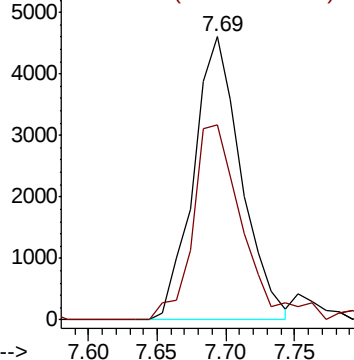
98 100

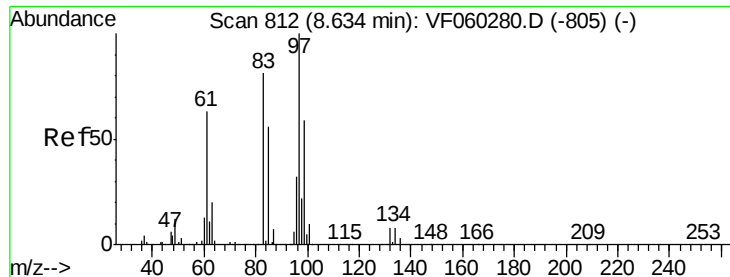
100 68.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

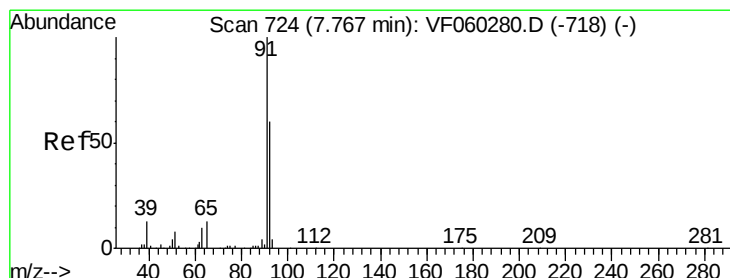
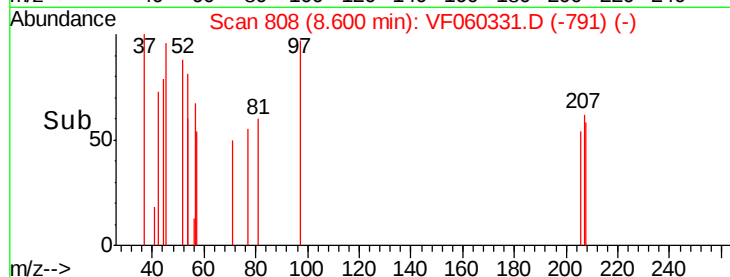
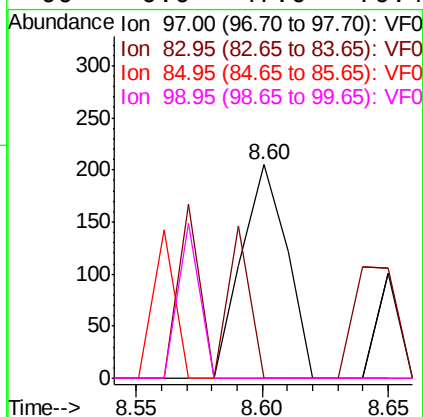
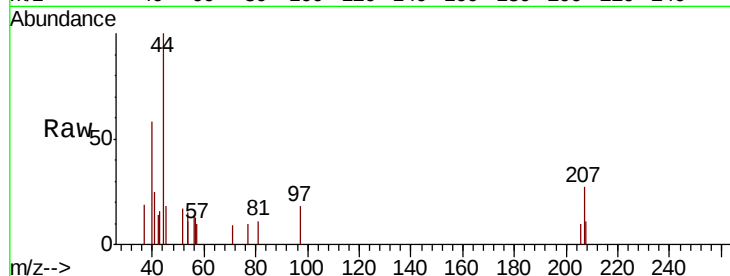




#55
 1,1,2-Trichloroethane
 Concen: 1.799 ug/l
 RT: 8.60 min Scan# 808
 Delta R.T. -0.03 min
 Lab File: VF060331.D
 Acq: 25 Sep 2018 18:12

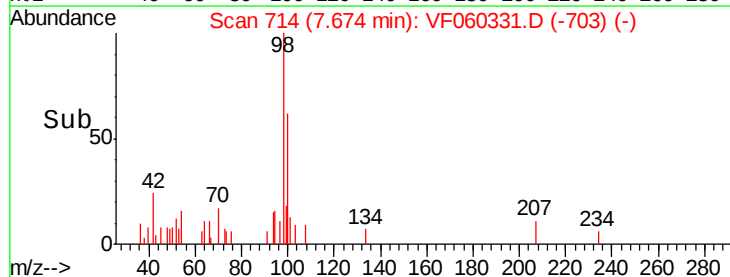
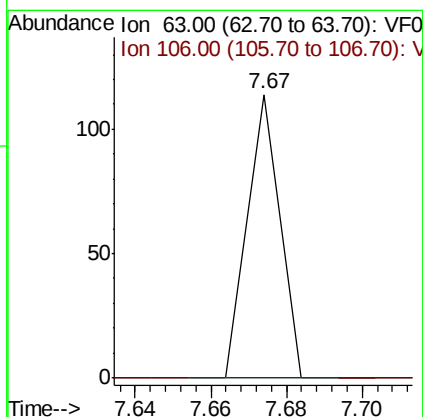
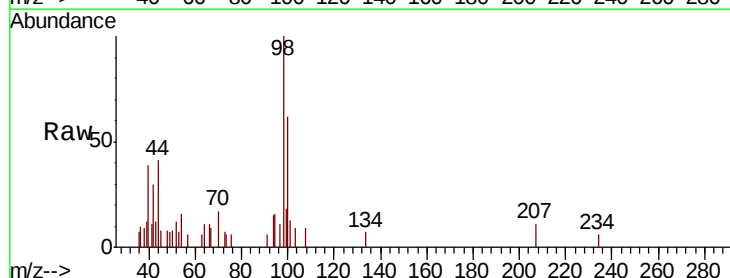
Instrument :
 MSVOA_F
 ClientSampleId :
 PHASE-2

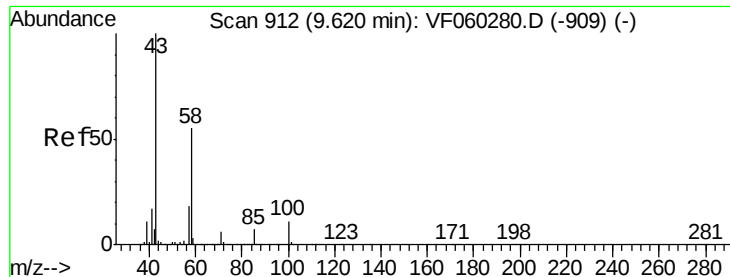
Tgt Ion: 97 Resp: 257
 Ion Ratio Lower Upper
 97 100
 83 0.0 65.3 97.9#
 85 0.0 44.7 67.1#
 99 0.0 47.0 70.4#



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.394 ug/l
 RT: 7.67 min Scan# 714
 Delta R.T. -0.09 min
 Lab File: VF060331.D
 Acq: 25 Sep 2018 18:12

Tgt Ion: 63 Resp: 67
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

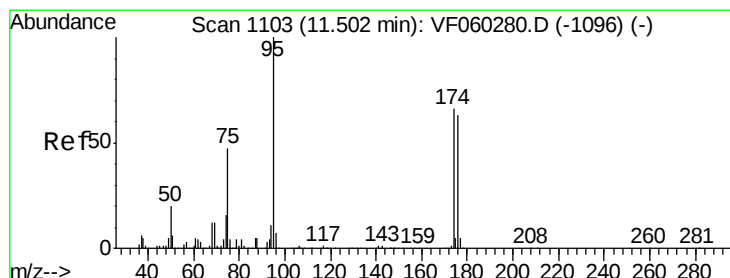
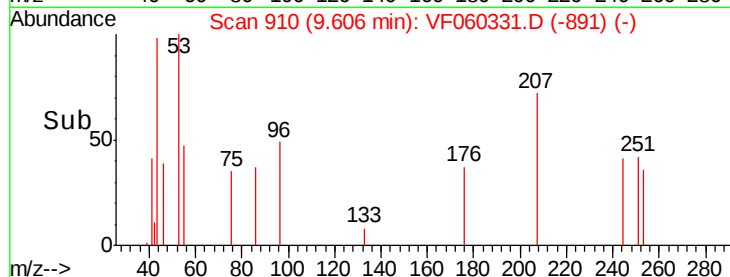
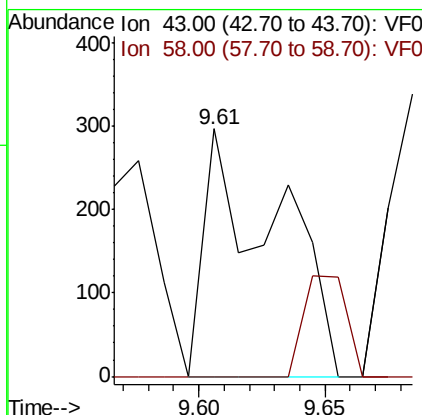
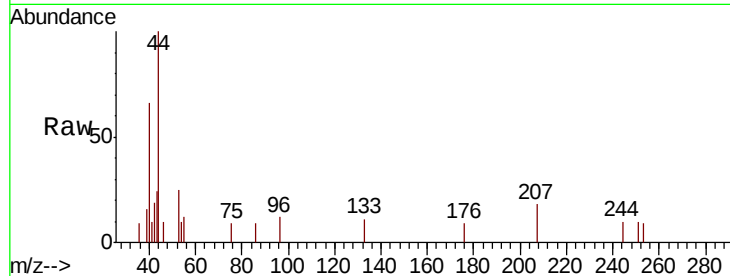




#59
2-Hexanone
Concen: 6.401 ug/l
RT: 9.61 min Scan# 910
Delta R.T. -0.01 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

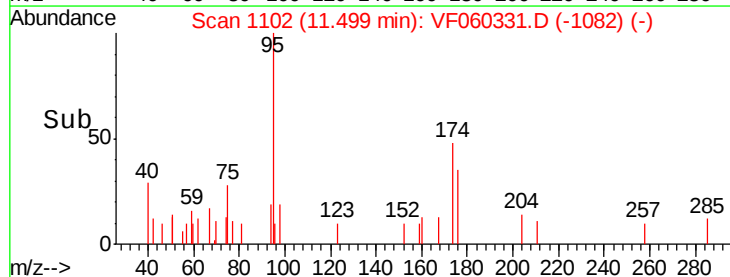
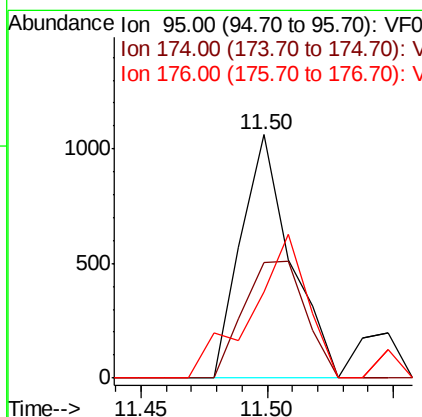
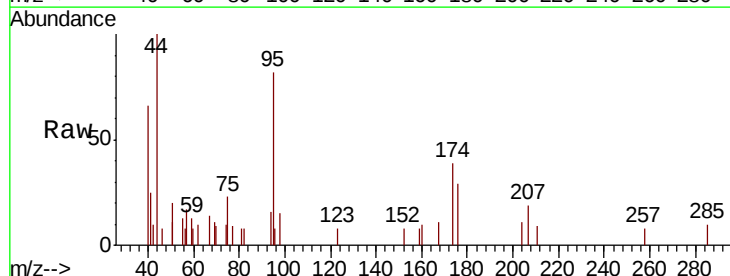
Instrument :
MSVOA_F
ClientSampled :
PHASE-2

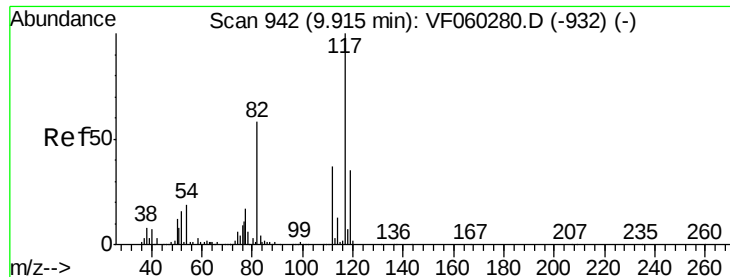
Tgt Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 5.540 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

Tgt Ion: 95 Resp: 1462
Ion Ratio Lower Upper
95 100
174 43.2 0.0 131.2
176 32.1 0.0 126.6

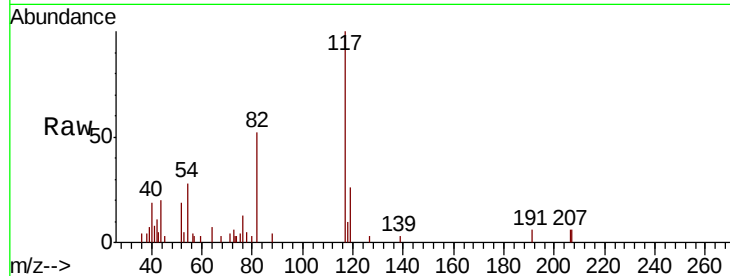




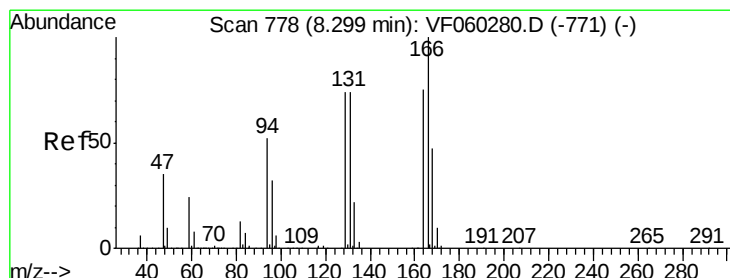
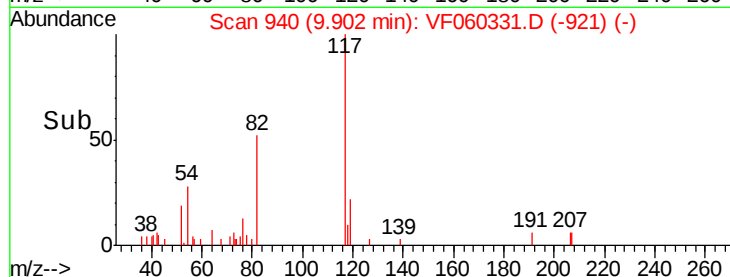
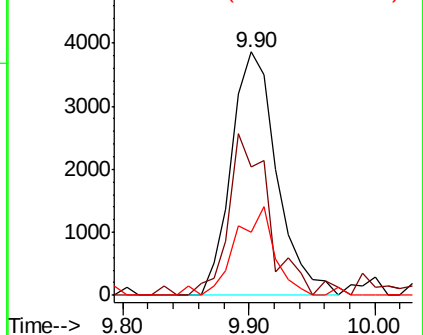
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.01 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

Instrument :
MSVOA_F
ClientSampled :
PHASE-2

Tgt Ion:117 Resp: 9681
Ion Ratio Lower Upper
117 100
82 52.5 46.2 69.2
119 26.0 27.8 41.6#

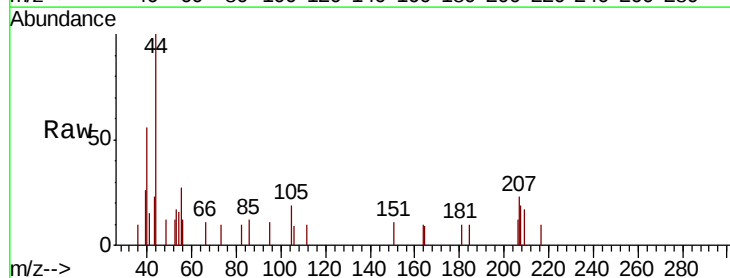


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

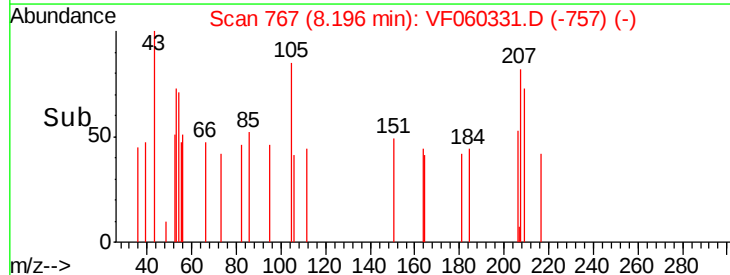
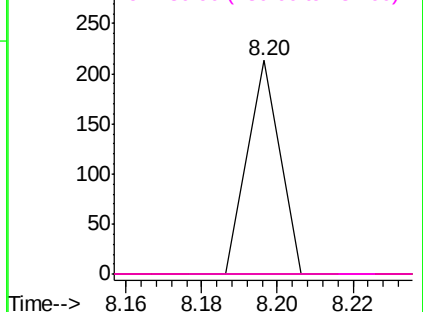


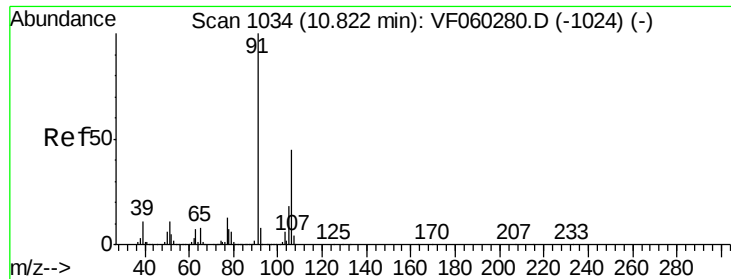
#64
Tetrachloroethene
Concen: 1.436 ug/l
RT: 8.20 min Scan# 767
Delta R.T. -0.10 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

Tgt Ion:164 Resp: 126
Ion Ratio Lower Upper
164 100
166 0.0 106.8 160.2#
129 0.0 78.8 118.2#
131 0.0 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

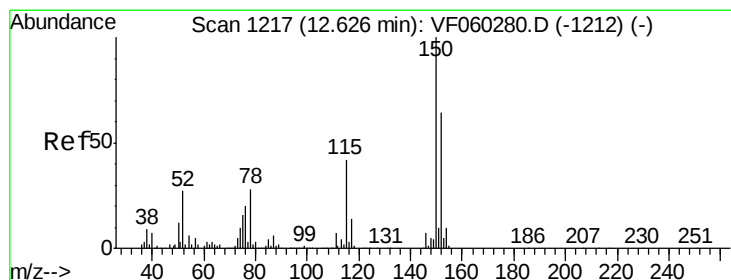
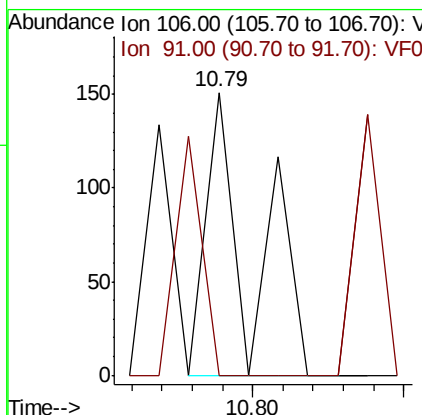
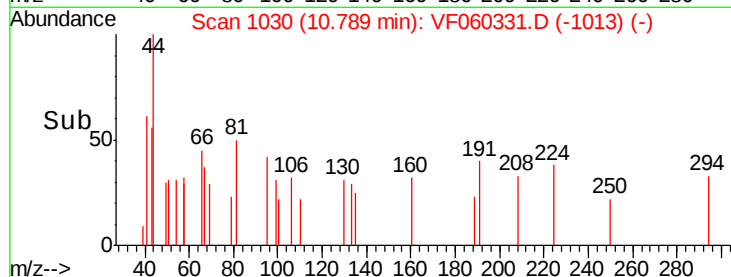
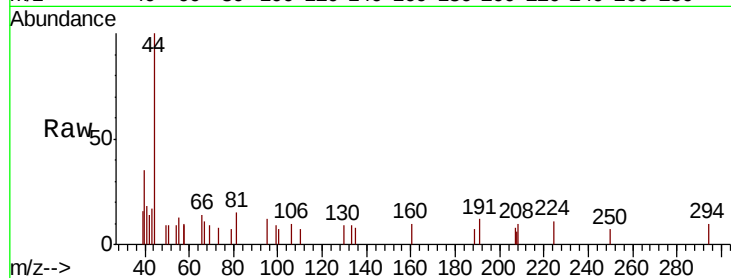




#69
o-Xylene
Concen: 1.005 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

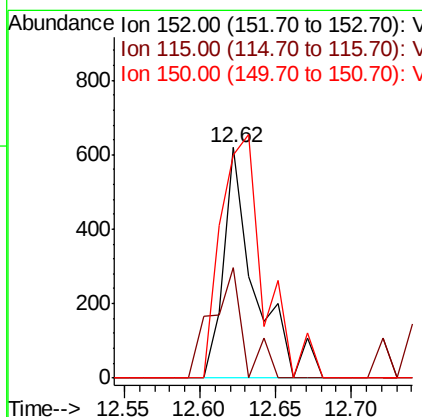
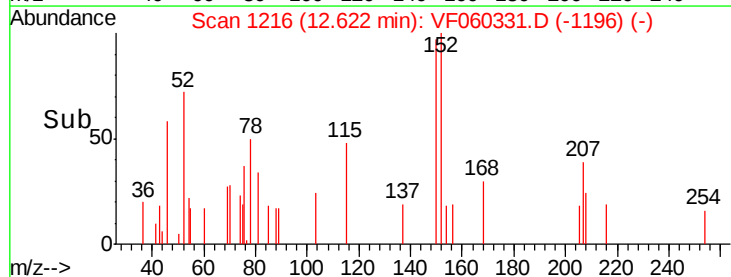
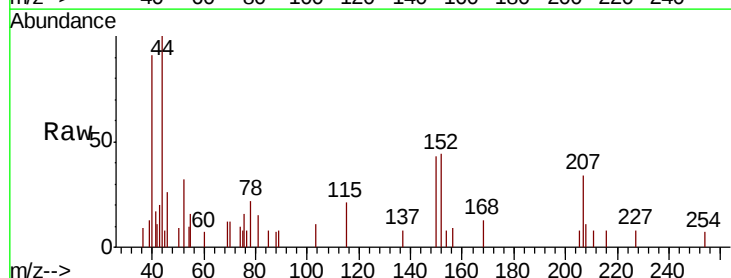
Instrument :
MSVOA_F
ClientSampleId :
PHASE-2

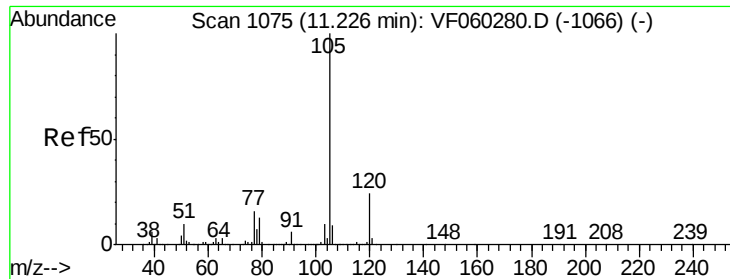
Tgt Ion:106 Resp: 158
Ion Ratio Lower Upper
106 100
91 0.0 110.9 332.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

Tgt Ion:152 Resp: 905
Ion Ratio Lower Upper
152 100
115 48.0 32.6 97.8
150 96.8 0.0 314.2





#73

Isopropylbenzene

Concen: 1.502 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampled :

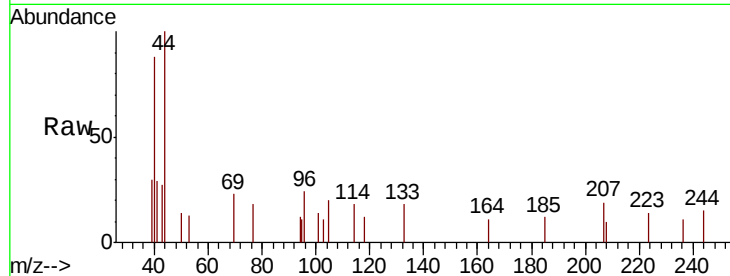
PHASE-2

Tgt Ion: 105 Resp: 122

Ion Ratio Lower Upper

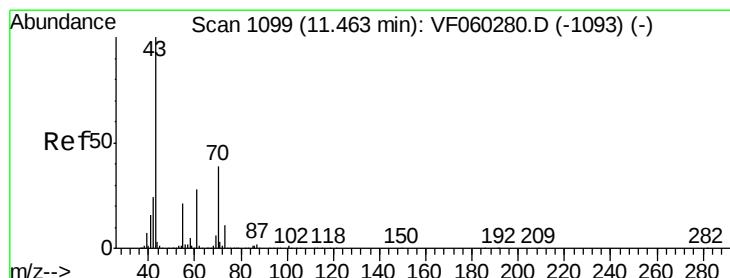
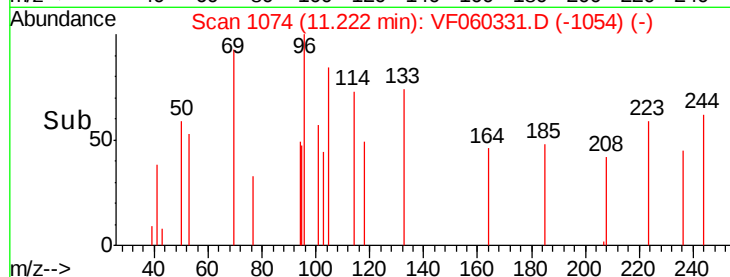
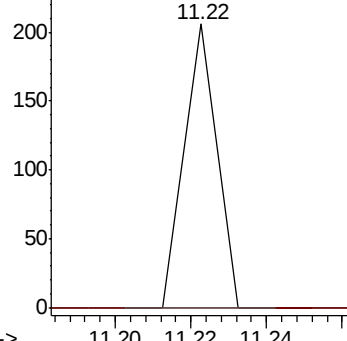
105 100

120 0.0 12.2 36.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.414 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. 0.02 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Tgt Ion: 43 Resp: 371

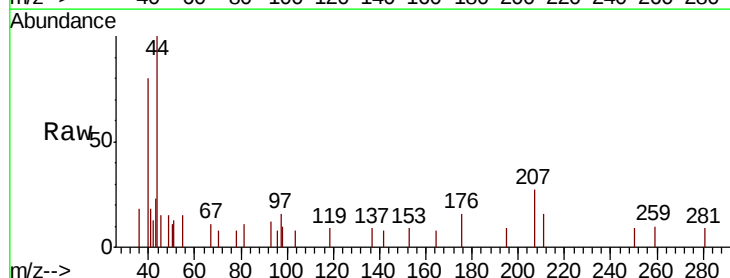
Ion Ratio Lower Upper

43 100

70 35.6 31.4 47.2

55 62.3 16.8 25.2#

61 0.0 22.6 34.0#

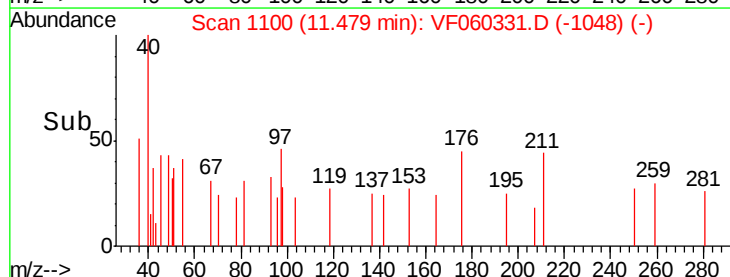
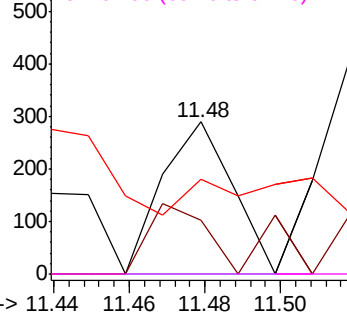


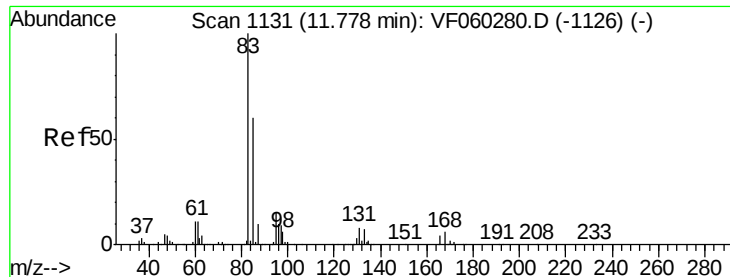
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.070 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

PHASE-2

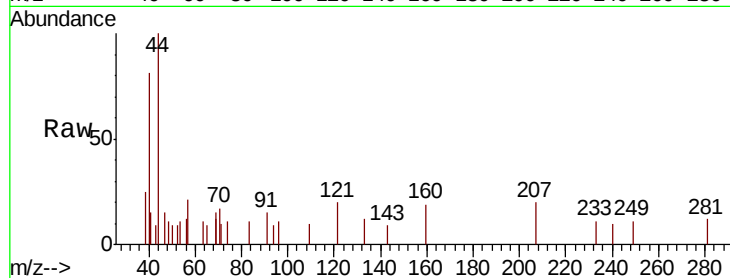
Tgt Ion: 83 Resp: 73

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

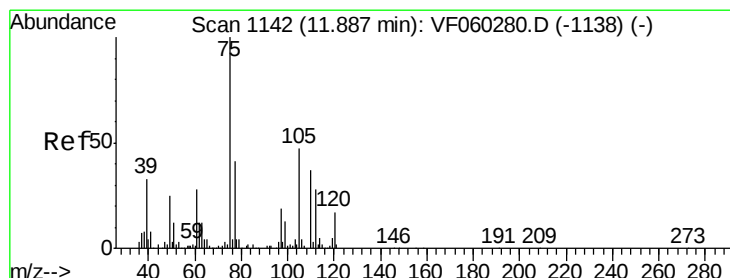
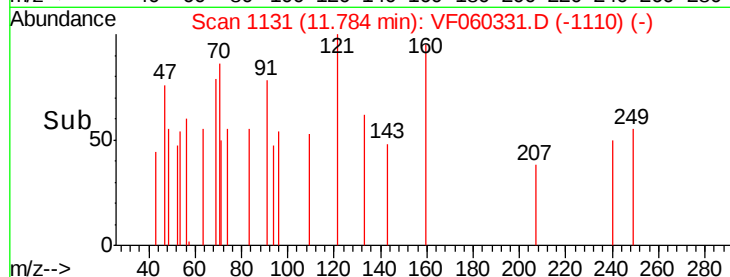
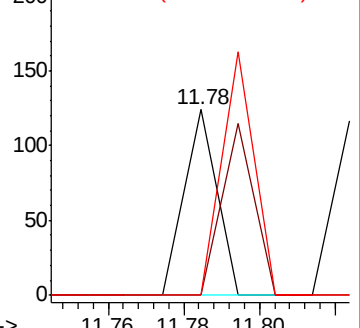
85 0.0 30.1 90.5#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 5.820 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.03 min

Lab File: VF060331.D

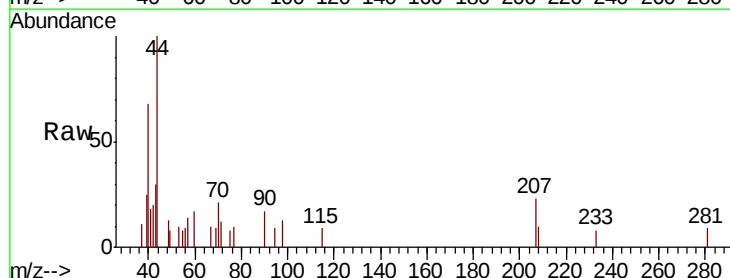
Acq: 25 Sep 2018 18:12

Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

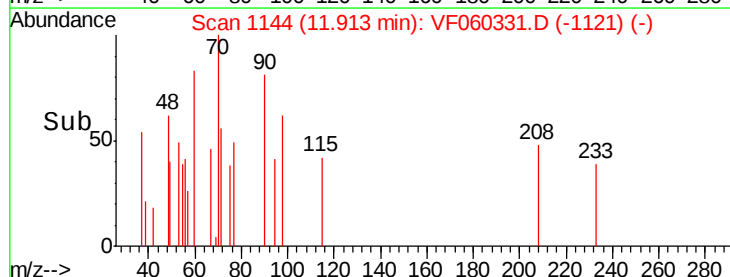
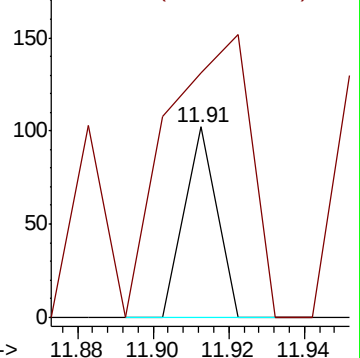
75 100

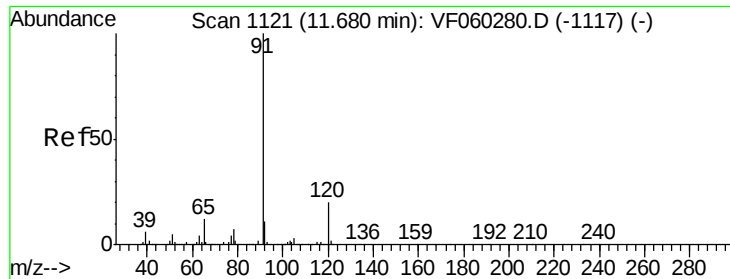
77 128.4 20.5 61.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

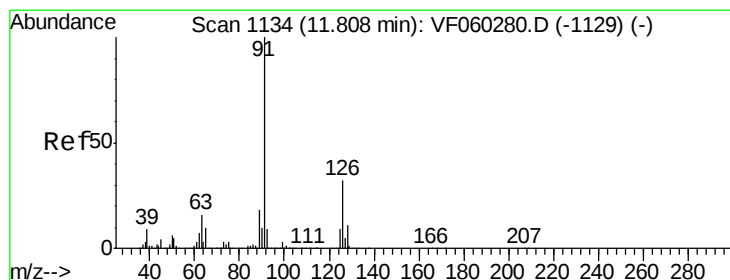
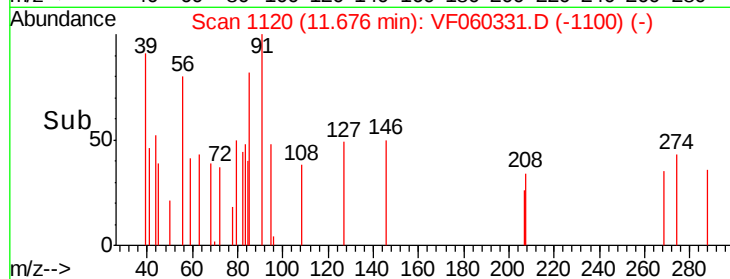
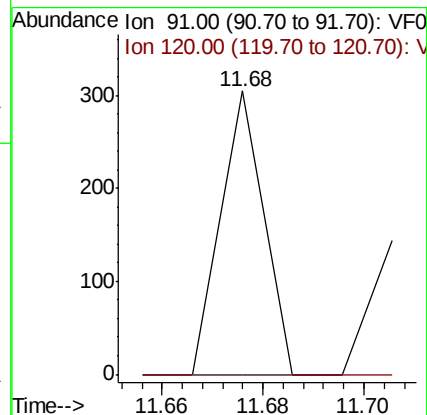
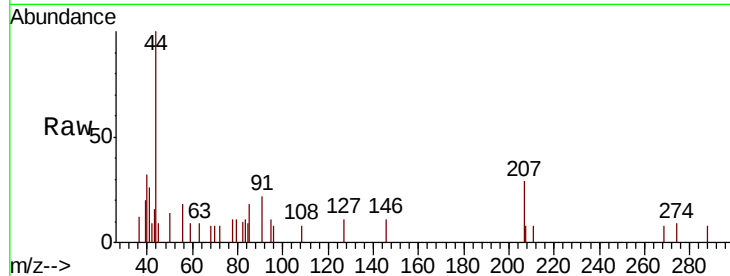
PHASE-2

Tgt Ion: 91 Resp: 180

Ion Ratio Lower Upper

91 100

120 0.0 10.0 29.8#



#79

2-Chlorotoluene

Concen: 2.536 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF060331.D

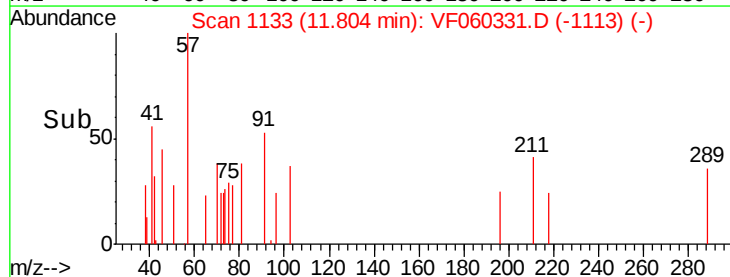
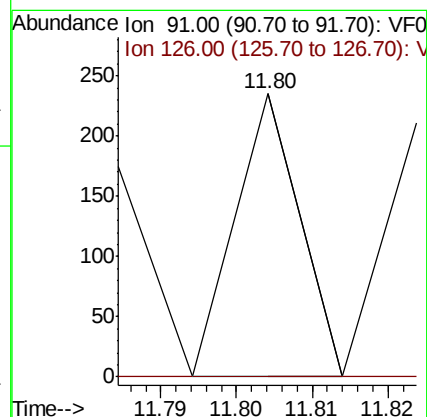
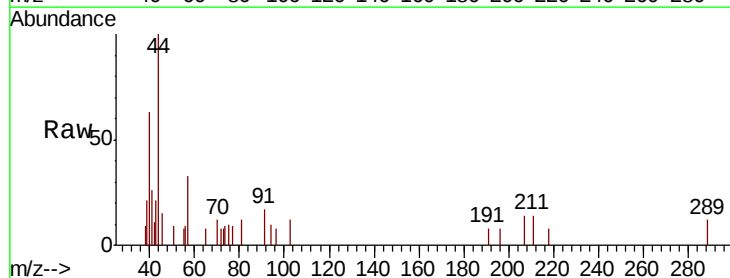
Acq: 25 Sep 2018 18:12

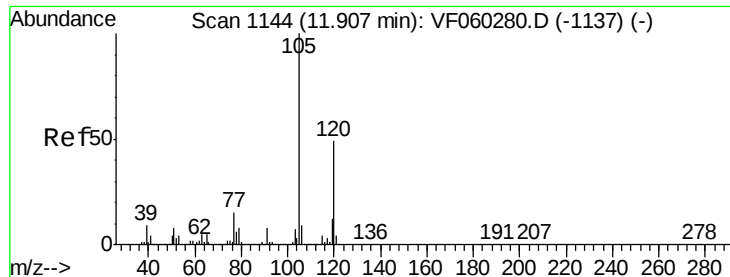
Tgt Ion: 91 Resp: 139

Ion Ratio Lower Upper

91 100

126 0.0 16.1 48.3#

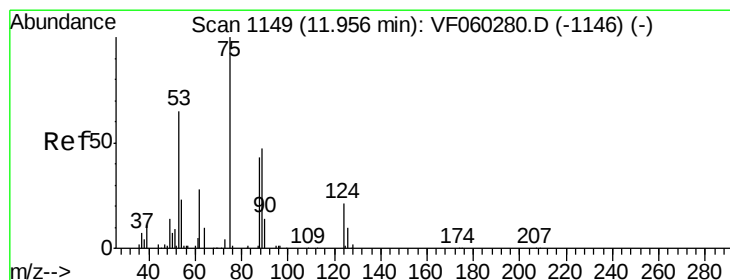
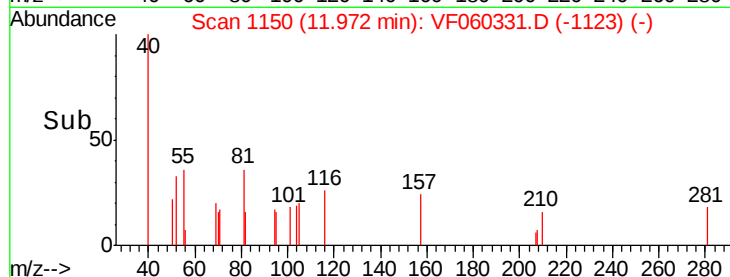
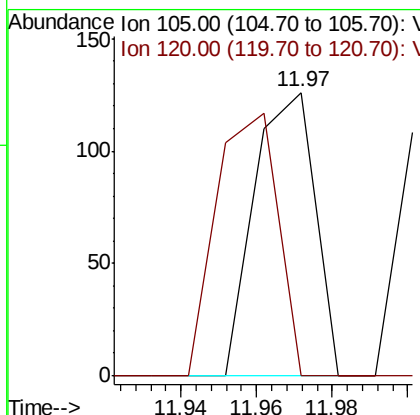
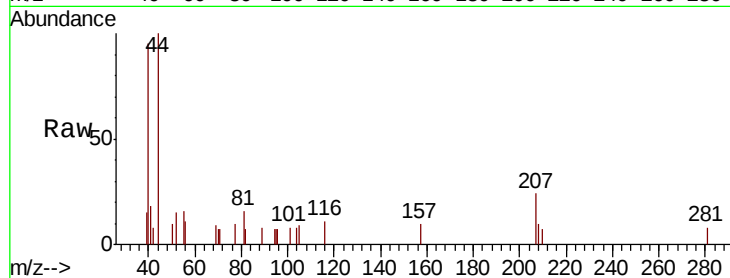




#80
 1,3,5-Trimethylbenzene
 Concen: 2.141 ug/l
 RT: 11.97 min Scan# 1150
 Delta R.T. 0.07 min
 Lab File: VF060331.D
 Acq: 25 Sep 2018 18:12

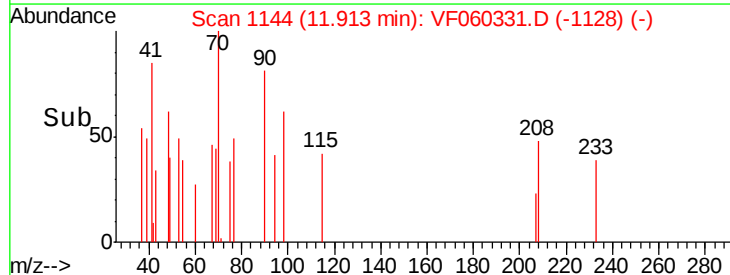
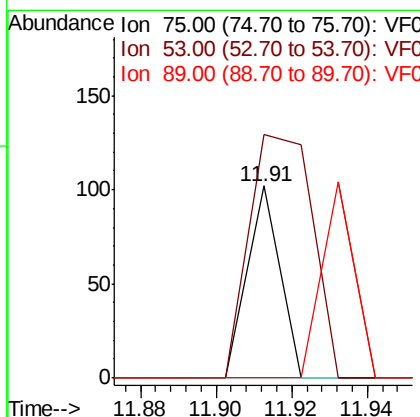
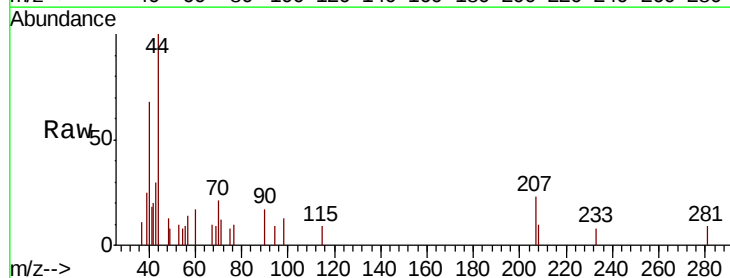
Instrument :
 MSVOA_F
 ClientSampled :
 PHASE-2

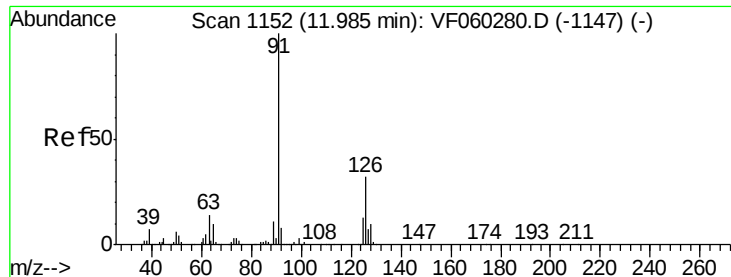
Tgt Ion: 105 Resp: 140
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.4 73.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 11.013 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. -0.04 min
 Lab File: VF060331.D
 Acq: 25 Sep 2018 18:12

Tgt Ion: 75 Resp: 60
 Ion Ratio Lower Upper
 75 100
 53 126.5 56.5 84.7#
 89 0.0 40.6 60.8#





#82

4-Chlorotoluene

Concen: 2.396 ug/l

RT: 11.94 min Scan# 1147

Delta R.T. -0.04 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

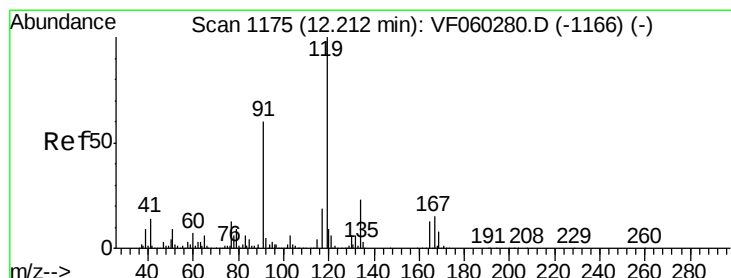
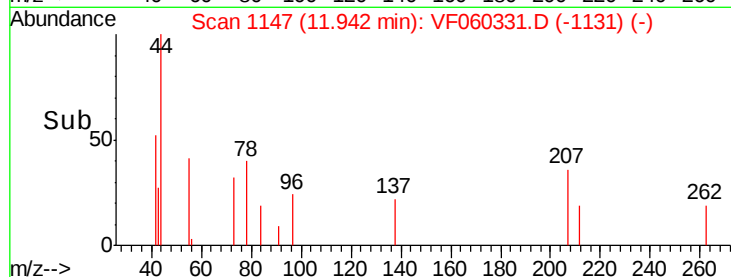
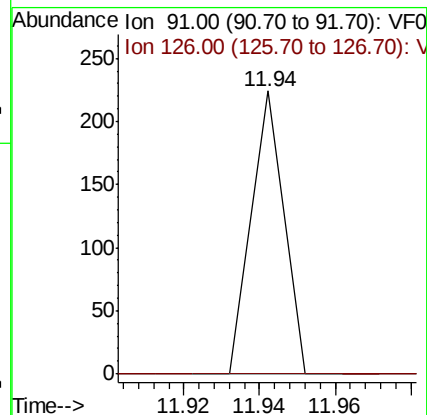
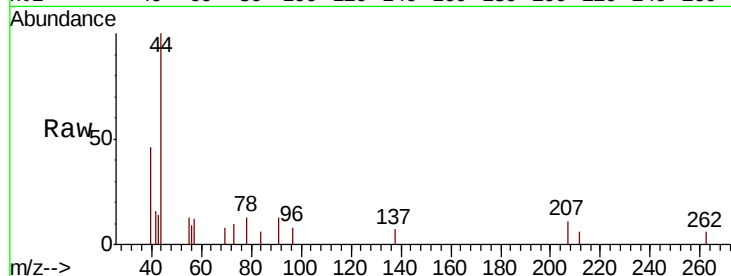
PHASE-2

Tgt Ion: 91 Resp: 132

Ion Ratio Lower Upper

91 100

126 0.0 16.1 48.2#



#83

tert-Butylbenzene

Concen: 1.056 ug/l

RT: 12.19 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

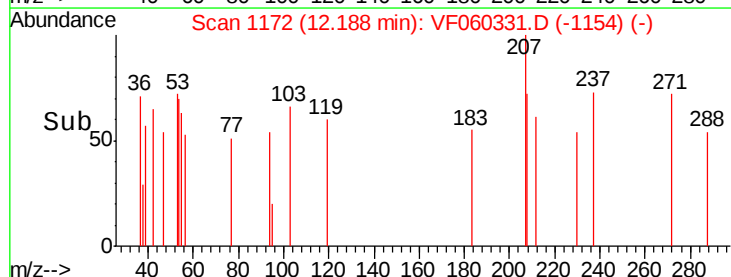
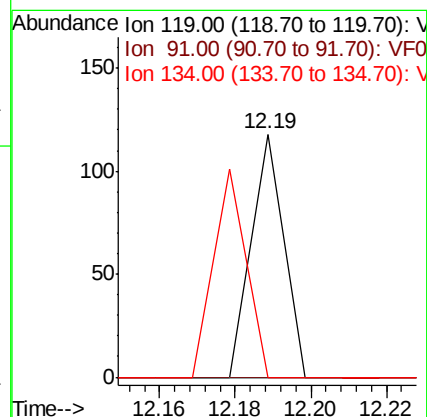
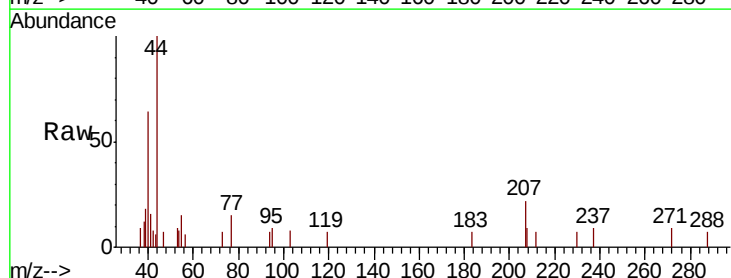
Tgt Ion: 119 Resp: 70

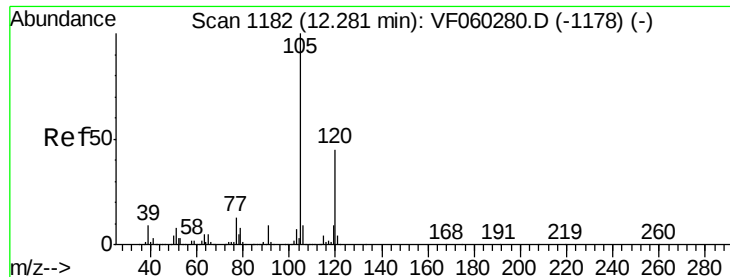
Ion Ratio Lower Upper

119 100

91 0.0 30.3 91.0#

134 0.0 11.6 34.8#

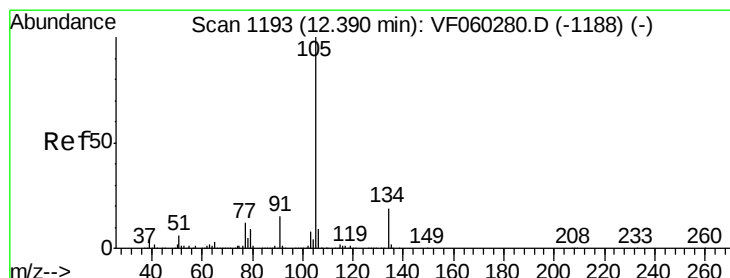
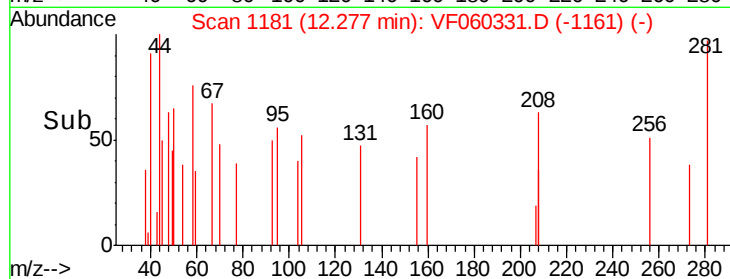
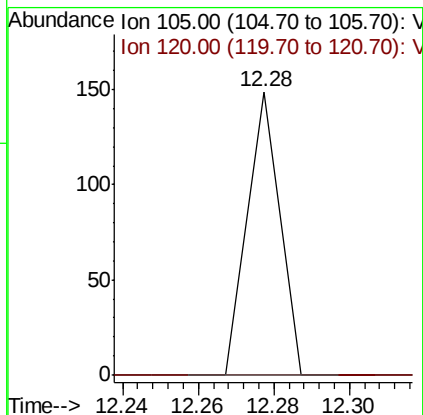
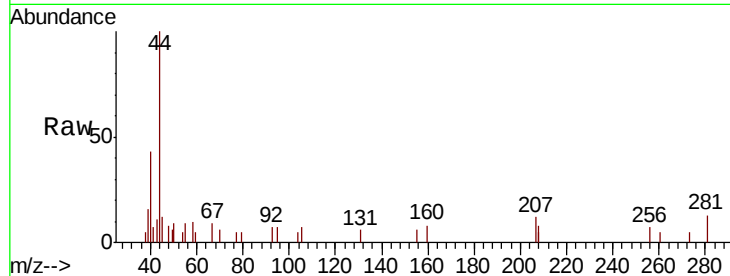




#84
 1,2,4-Trimethylbenzene
 Concen: 1.325 ug/l
 RT: 12.28 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VF060331.D
 Acq: 25 Sep 2018 18:12

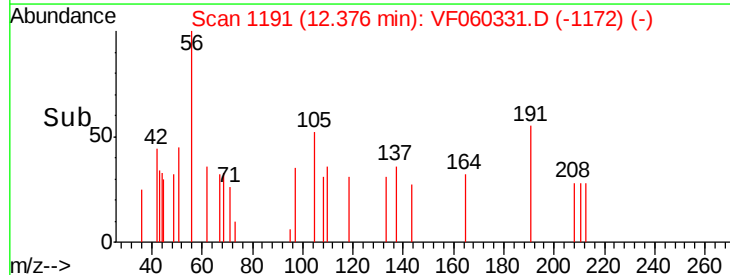
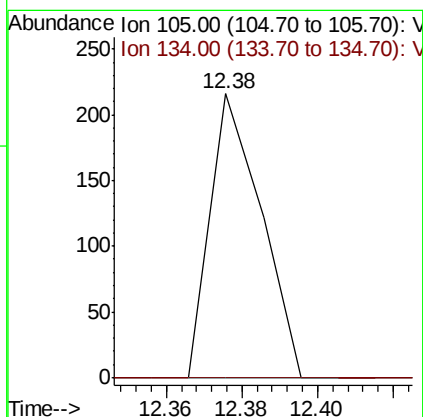
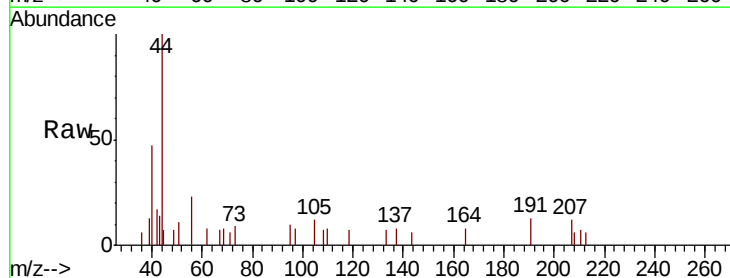
Instrument :
 MSVOA_F
 ClientSampleId :
 PHASE-2

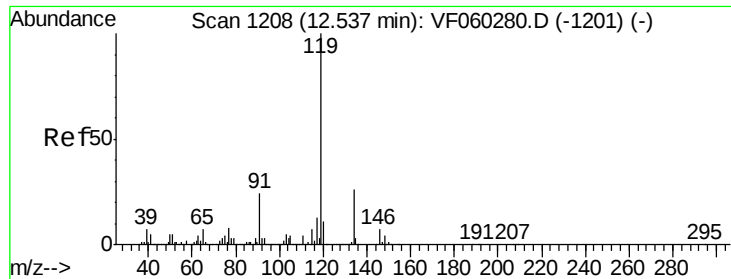
Tgt Ion:105 Resp: 88
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.4 67.0#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.38 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF060331.D
 Acq: 25 Sep 2018 18:12

Tgt Ion:105 Resp: 200
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#

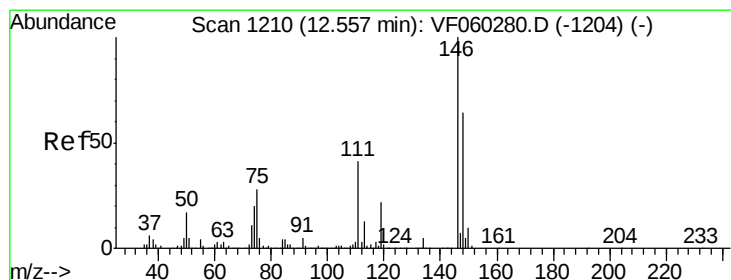
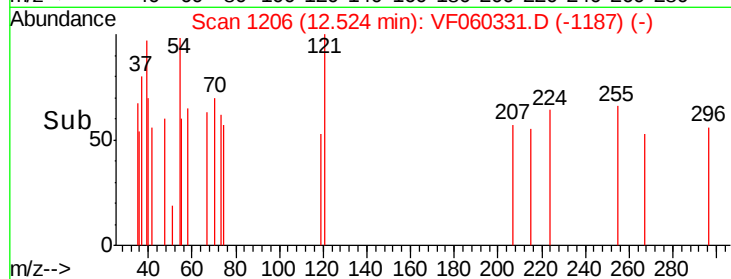
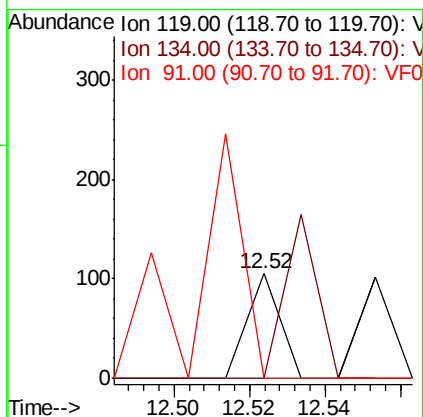
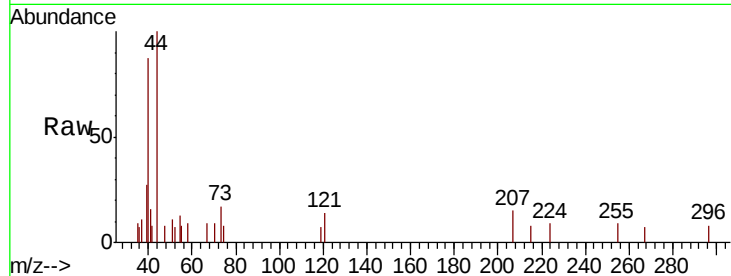




#86
p-Isopropyltoluene
Concen: Below Cal
RT: 12.52 min Scan# 1206
Delta R.T. -0.01 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

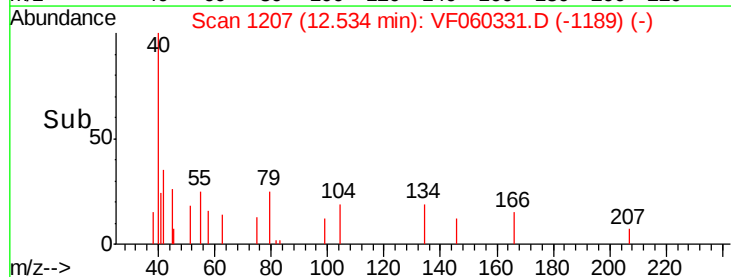
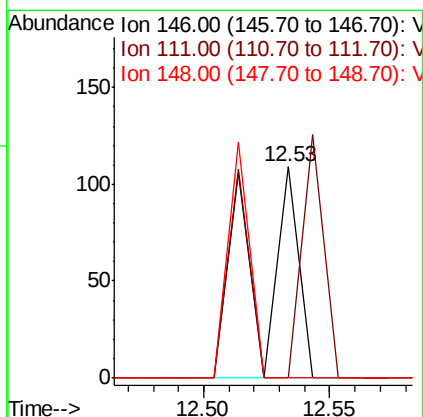
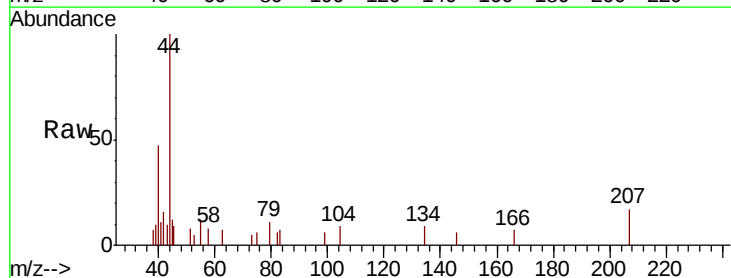
Instrument :
MSVOA_F
ClientSampled :
PHASE-2

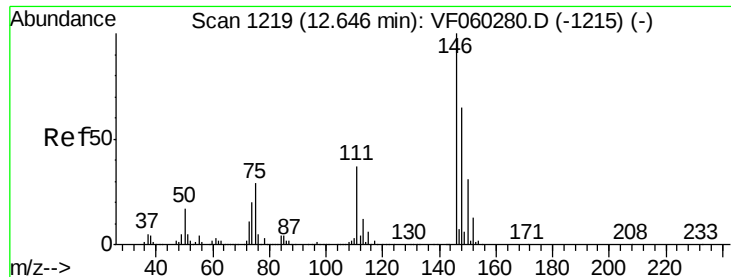
Tgt Ion:119 Resp: 62
Ion Ratio Lower Upper
119 100
134 0.0 12.9 38.7#
91 0.0 11.9 35.7#



#87
1,3-Dichlorobenzene
Concen: 3.882 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF060331.D
Acq: 25 Sep 2018 18:12

Tgt Ion:146 Resp: 127
Ion Ratio Lower Upper
146 100
111 0.0 20.5 61.6#
148 0.0 32.2 96.6#





#88

1,4-Dichlorobenzene

Concen: 3.927 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.11 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

PHASE-2

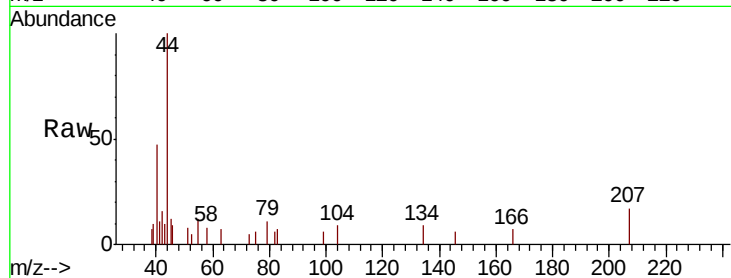
Tgt Ion:146 Resp: 127

Ion Ratio Lower Upper

146 100

111 0.0 18.7 56.1#

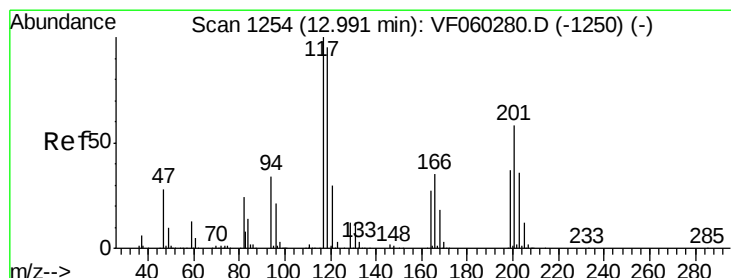
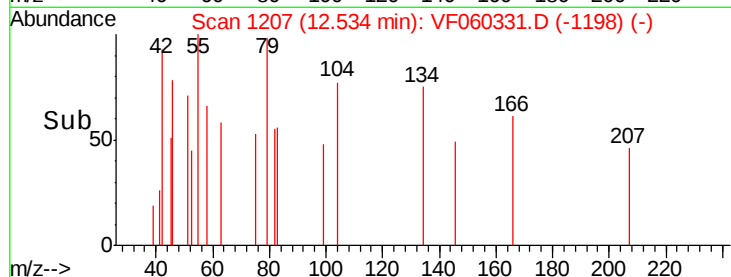
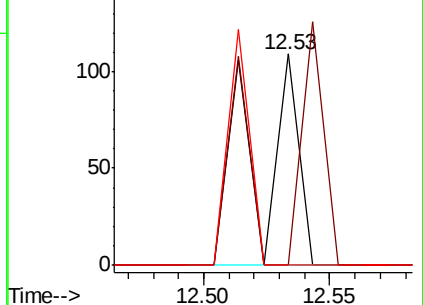
148 0.0 32.4 97.0#



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



#90

Hexachloroethane

Concen: 10.835 ug/l

RT: 12.97 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VF060331.D

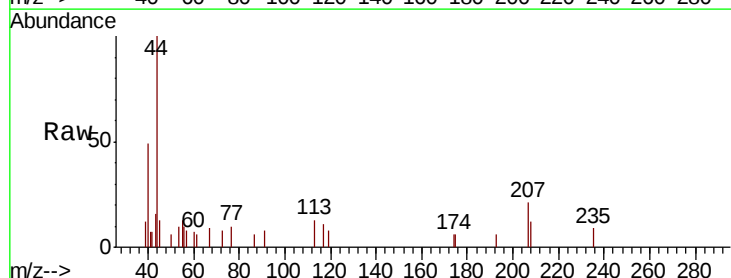
Acq: 25 Sep 2018 18:12

Tgt Ion:117 Resp: 201

Ion Ratio Lower Upper

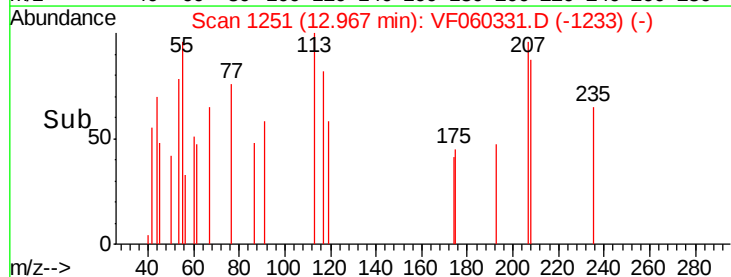
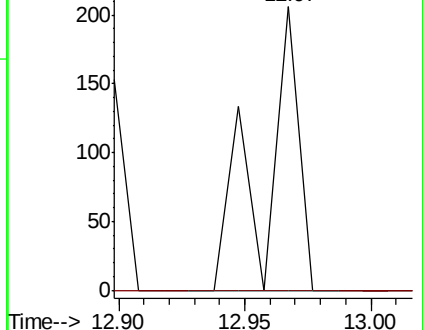
117 100

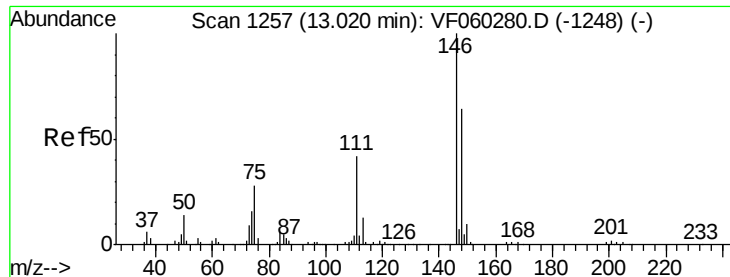
201 0.0 29.0 87.0#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 2.243 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.17 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

PHASE-2

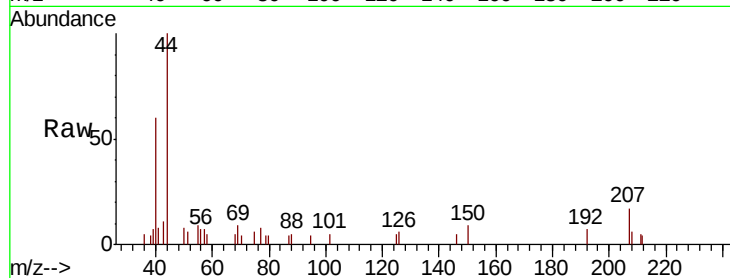
Tgt Ion: 146 Resp: 70

Ion Ratio Lower Upper

146 100

111 0.0 20.9 62.8#

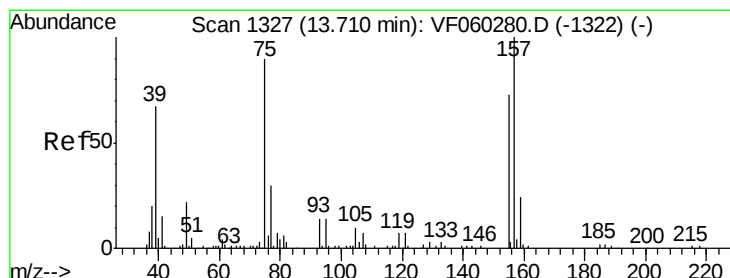
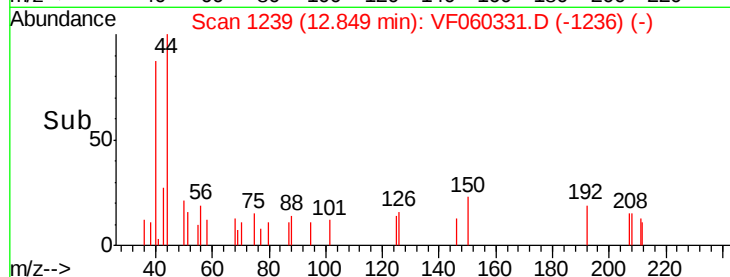
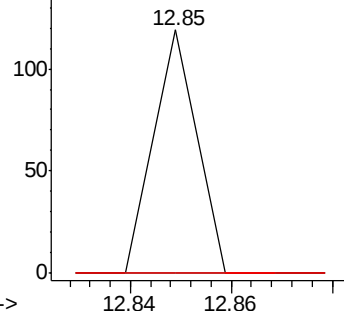
148 0.0 31.9 95.9#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 60.297 ug/l

RT: 13.73 min Scan# 1328

Delta R.T. 0.02 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

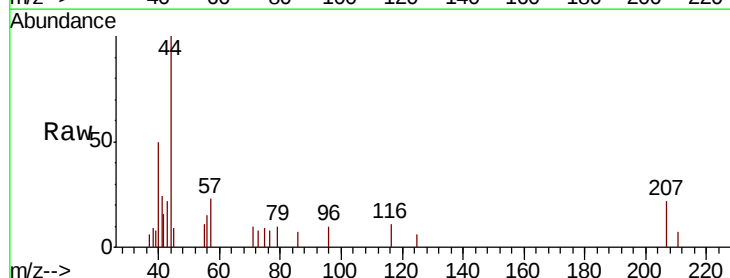
Tgt Ion: 75 Resp: 163

Ion Ratio Lower Upper

75 100

155 0.0 41.9 125.7#

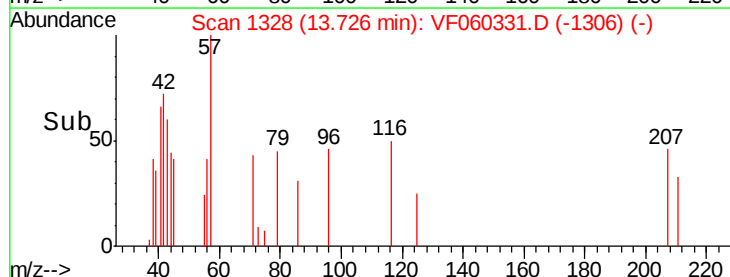
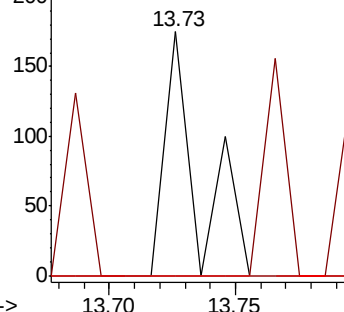
157 0.0 57.4 172.0#

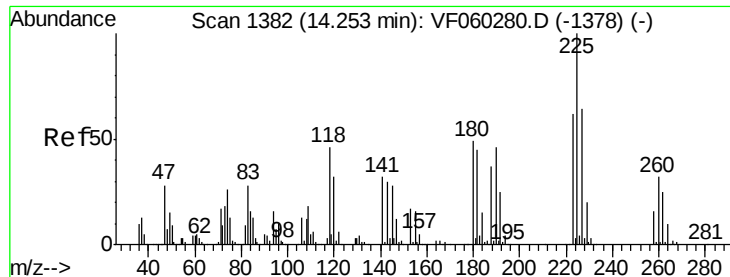


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#94

Hexachlorobutadiene

Concen: 4.043 ug/l

RT: 14.23 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

PHASE-2

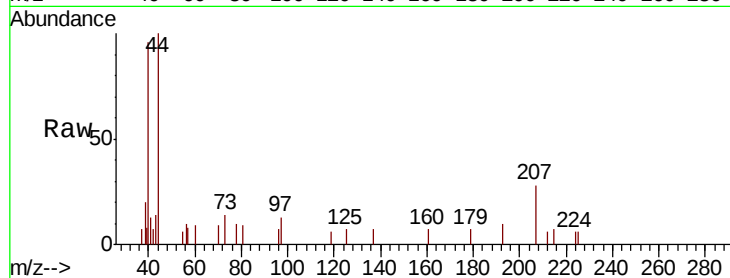
Tgt Ion:225 Resp: 62

Ion Ratio Lower Upper

225 100

223 0.0 31.2 93.6#

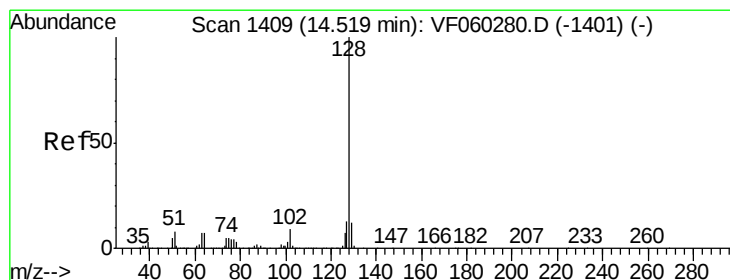
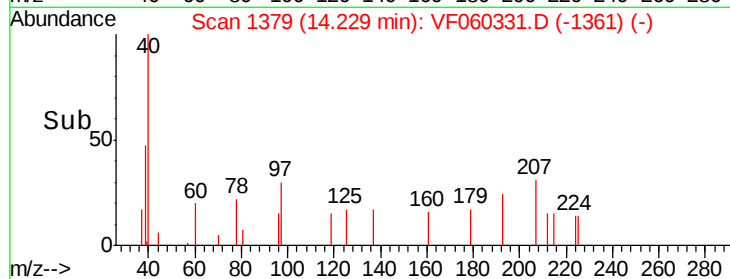
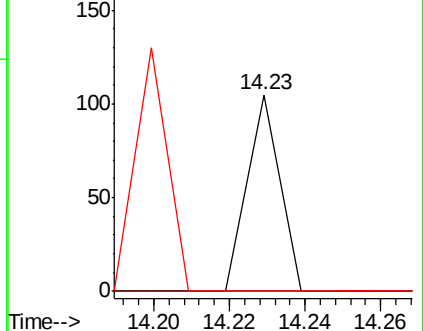
227 0.0 32.2 96.6#



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: 1.886 ug/l

RT: 14.55 min Scan# 1412

Delta R.T. 0.04 min

Lab File: VF060331.D

Acq: 25 Sep 2018 18:12

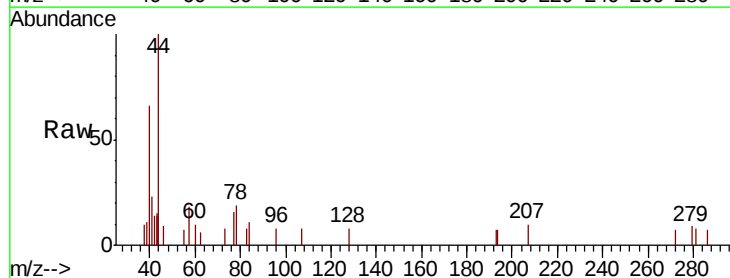
Tgt Ion:128 Resp: 75

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

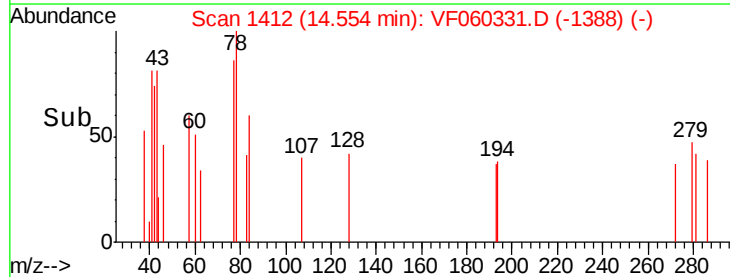
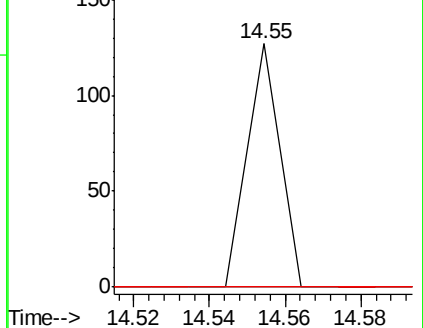
129 0.0 9.8 14.8#

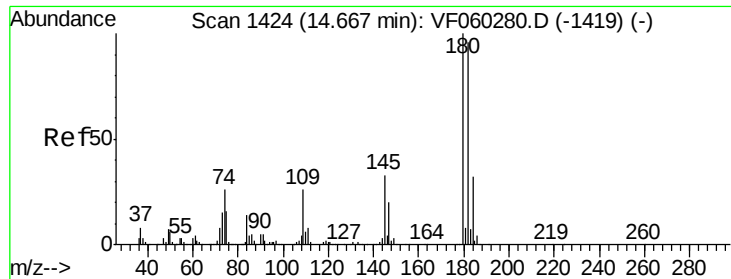


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 7.013 ug/l
 RT: 14.57 min Scan# 1414
 Delta R.T. -0.09 min
 Lab File: VF060331.D
 Acq: 25 Sep 2018 18:12

Instrument :
 MSVOA_F
 ClientSampleId :
 PHASE-2

Tgt Ion:180 Resp: 147
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.4#
 145 0.0 16.4 49.1#

