

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060923.D
 Acq On : 6 Dec 2018 18:06
 Operator : VA/AP
 Sample : J6248-07
 Misc : 5.53g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-BASE

Quant Time: Dec 07 00:20:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	1678	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	3036	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.78	117	1042	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	1368	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	504	25.50	ug/l	-0.06
Spiked Amount			Recovery	=	51.00%	
35) Dibromofluoromethane	4.10	113	701	29.10	ug/l	-0.05
Spiked Amount			Recovery	=	58.20%	
50) Toluene-d8	7.55	98	4231	59.63	ug/l	-0.04
Spiked Amount			Recovery	=	119.26%	
62) 4-Bromofluorobenzene	11.38	95	13751	426.45	ug/l	-0.06
Spiked Amount			Recovery	=	852.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.10	85	74	2.949	ug/l #	41
3) Chloromethane	1.05	50	221	13.536	ug/l #	41
4) Vinyl Chloride	1.21	62	65	4.268	ug/l #	42
5) Bromomethane	1.32	94	318	29.614	ug/l #	2
7) Trichlorofluoromethane	1.47	101	72	2.204	ug/l #	15
8) Diethyl Ether	1.57	74	73	15.537	ug/l	74
10) Methyl Iodide	1.86	142	61	2.429	ug/l #	26
11) Tert butyl alcohol	2.51	59	88	108.600	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	82	6.172	ug/l #	1
13) Acrolein	2.06	56	538	700.753	ug/l	97
14) Allyl chloride	2.08	41	832	50.240	ug/l #	47
15) Acrylonitrile	2.95	53	331	182.203	ug/l #	11
16) Acetone	2.33	43	812	222.757	ug/l	97
17) Carbon Disulfide	1.76	76	62	1.740	ug/l #	68
18) Methyl Acetate	2.33	43	812	135.604	ug/l #	61
19) Methyl tert-butyl Ether	2.43	73	87	2.907	ug/l #	1
20) Methylene Chloride	2.24	84	76	5.683	ug/l #	1
21) trans-1,2-Dichloroethene	2.29	96	89	6.948	ug/l #	1
22) Diisopropyl ether	2.85	45	167	3.705	ug/l #	1
23) Vinyl Acetate	3.14	43	121	5.872	ug/l #	80
24) 1,1-Dichloroethane	2.87	63	153	5.705	ug/l #	86
25) 2-Butanone	4.34	43	392	62.173	ug/l #	57
26) 2,2-Dichloropropane	3.64	77	67	3.853	ug/l #	60
27) cis-1,2-Dichloroethene	3.42	96	91	4.364	ug/l	1
29) Tetrahydrofuran	4.09	42	218	81.569	ug/l #	61
31) Cyclohexane	3.66	56	82	2.946	ug/l #	15
32) 1,1,1-Trichloroethane	3.98	97	79	2.760	ug/l #	22
36) 1,1-Dichloropropene	4.13	75	92	2.732	ug/l #	44
37) Ethyl Acetate	4.07	43	281	20.534	ug/l #	14
39) Methylcyclohexane	5.43	83	1003	28.422	ug/l #	57
41) Methacrylonitrile	4.78	41	670	98.313	ug/l #	43
43) Isopropyl Acetate	7.02	43	3553	219.666	ug/l #	49
45) 1,2-Dichloropropane	6.12	63	170	8.799	ug/l #	46
48) Methyl methacrylate	6.80	41	8611	695.179	ug/l #	45

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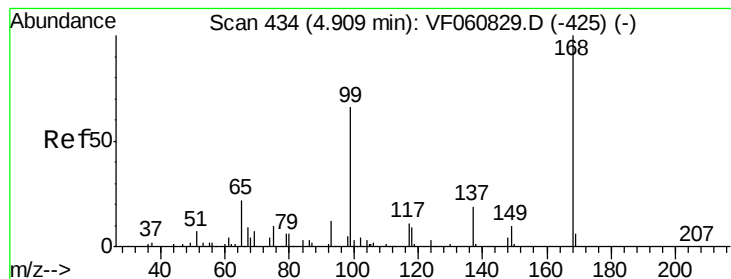
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

51) 4-Methyl-2-Pentanone	8.27	43	191744	15194.679	ug/l #	42
52) Toluene	7.57	92	69	1.320	ug/l	97
53) t-1,3-Dichloropropene	8.18	75	59	2.084	ug/l #	40
55) 1,1,2-Trichloroethane	8.38	97	13920	914.199	ug/l #	54
56) Ethyl methacrylate	8.62	69	298383	17640.519	ug/l #	75
57) 1,3-Dichloropropane	8.65	76	138	5.180	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.29	63	60	34.680	ug/l #	46
59) 2-Hexanone	9.41	43	25677	2900.337	ug/l #	30
60) Dibromochloromethane	8.64	129	66	2.909	ug/l #	1
61) 1,2-Dibromoethane	8.95	107	70	4.256	ug/l #	1
64) Tetrachloroethene	8.17	164	73	9.172	ug/l #	34
65) Chlorobenzene	9.90	112	1404	69.262	ug/l #	42
67) Ethyl Benzene	9.89	91	5238	138.798	ug/l	97
68) m/p-Xylenes	10.13	106	29279	2157.157	ug/l	99
69) o-Xylene	10.71	106	13040	871.247	ug/l	71
70) Styrene	10.72	104	703	33.884	ug/l #	1
73) Isopropylbenzene	11.12	105	77851	720.129	ug/l	99
74) N-amyl acetate	11.39	43	43877	1757.649	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	11.77	83	15405	865.837	ug/l #	63
76) 1,2,3-Trichloropropane	11.82	75	740	57.221	ug/l #	1
77) Bromobenzene	11.61	156	89	3.755	ug/l #	1
78) n-propylbenzene	11.60	91	172849	1365.303	ug/l	98
79) 2-Chlorotoluene	11.72	91	14979	206.346	ug/l #	51
80) 1,3,5-Trimethylbenzene	11.82	105	49900	568.578	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.82	75	740	116.786	ug/l #	1
82) 4-Chlorotoluene	12.01	91	10544	138.022	ug/l	99
83) tert-Butylbenzene	12.13	119	18021	201.582	ug/l	84
84) 1,2,4-Trimethylbenzene	12.20	105	307487	3510.554	ug/l	94
85) sec-Butylbenzene	12.31	105	123003	1005.090	ug/l	88
86) p-Isopropyltoluene	12.46	119	69915	681.414	ug/l	93
89) n-Butylbenzene	12.84	91	58682	565.619	ug/l	98
90) Hexachloroethane	12.93	117	2731	110.536	ug/l #	25
91) 1,2-Dichlorobenzene	12.93	146	69	1.616	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.58	75	70	20.350	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

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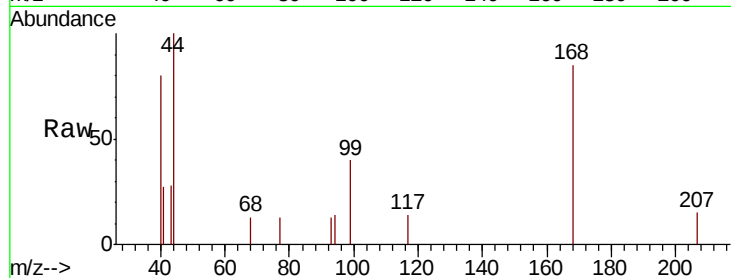
4UST-BASE

Tot Ion:168 Resp: 1678

Ion Ratio Lower Upper

168 100

99 47.0 52.6 79.0#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

600

400

200

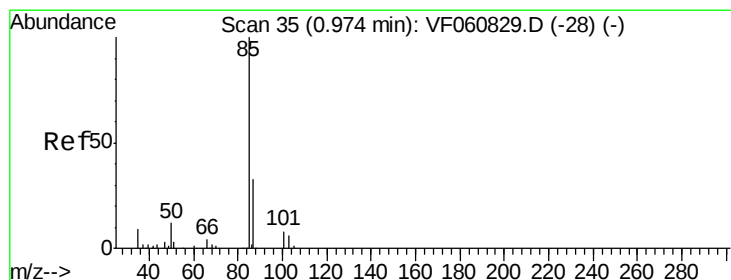
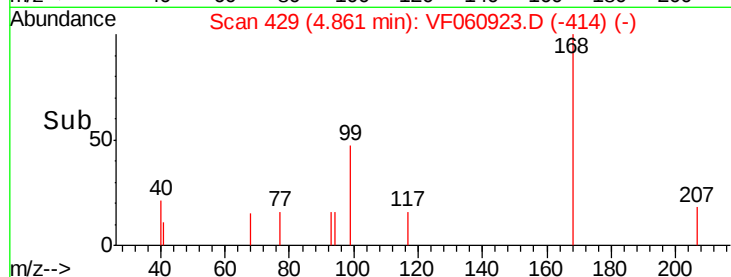
0

4.80

4.85

4.90

Time-->



#2

Dichlorodifluoromethane

Concen: 2.949 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.13 min

Lab File: VF060923.D

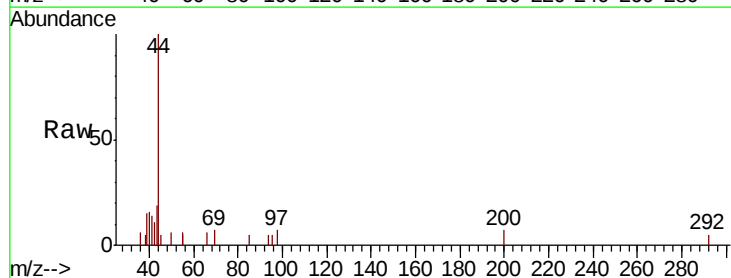
Acq: 6 Dec 2018 18:06

Tgt Ion: 85 Resp: 74

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.10

100

50

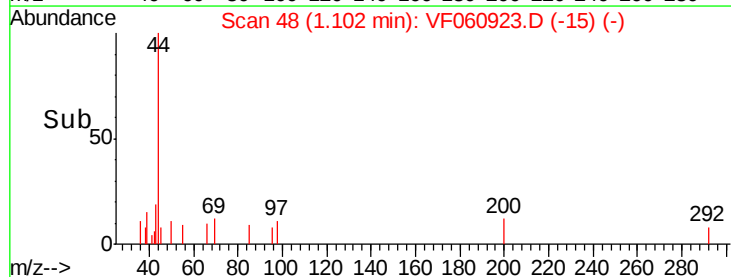
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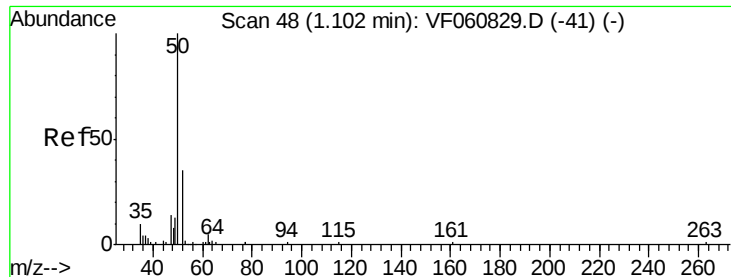
1.08

1.10

1.12

Time-->





#3

Chloromethane

Concen: 13.536 ug/l

RT: 1.05 min Scan# 43

Delta R.T. -0.05 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

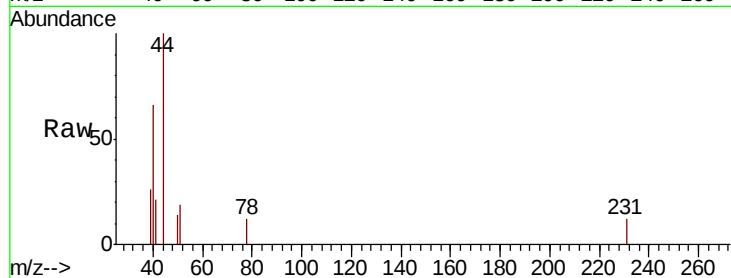
4UST-BASE

Tot Ion: 50 Resp: 221

Ion Ratio Lower Upper

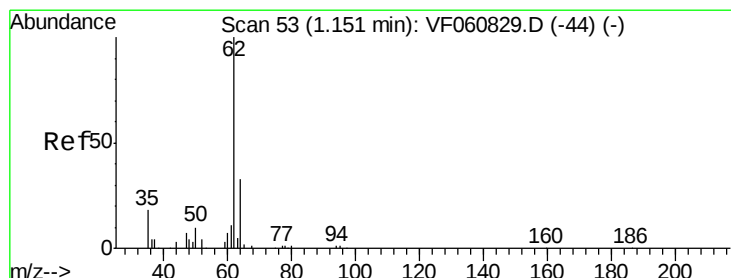
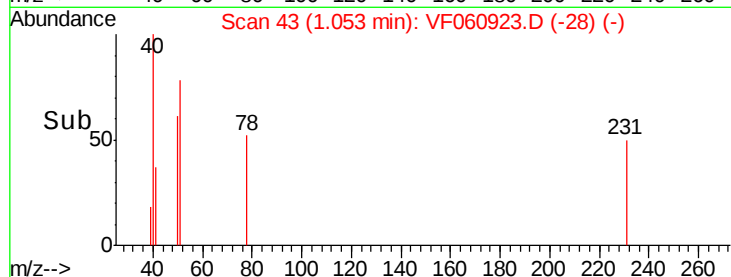
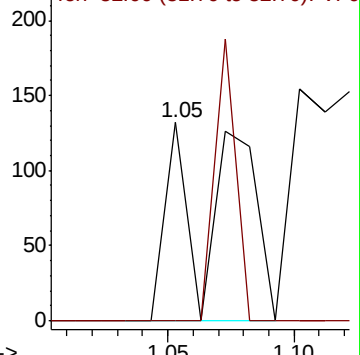
50 100

52 0.0 27.0 40.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 4.268 ug/l

RT: 1.21 min Scan# 59

Delta R.T. 0.06 min

Lab File: VF060923.D

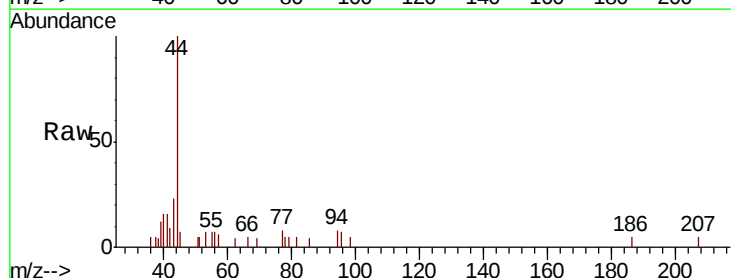
Acq: 6 Dec 2018 18:06

Tgt Ion: 62 Resp: 65

Ion Ratio Lower Upper

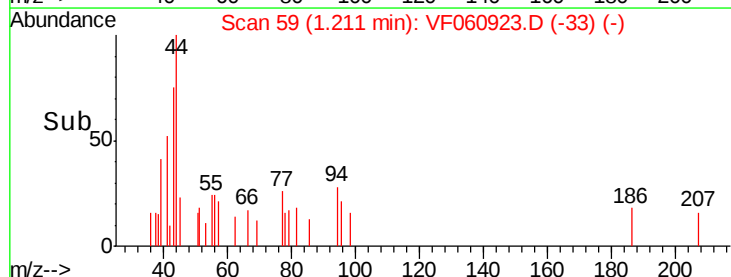
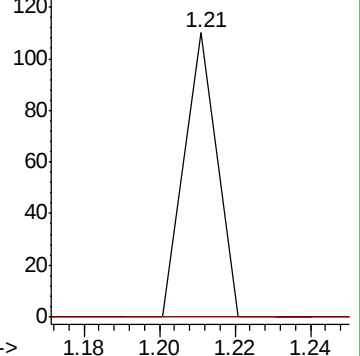
62 100

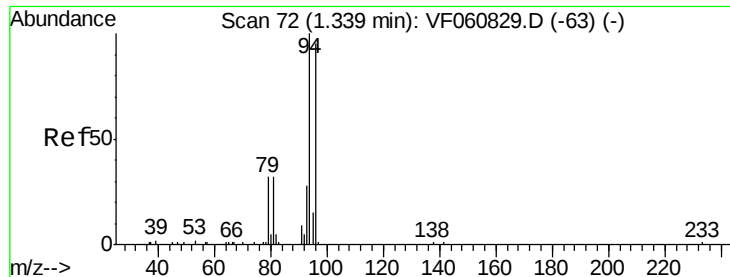
64 0.0 26.4 39.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 29.614 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

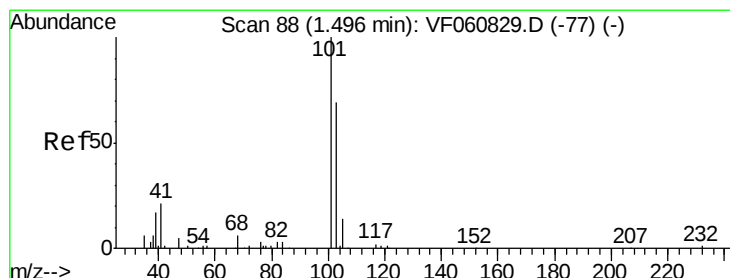
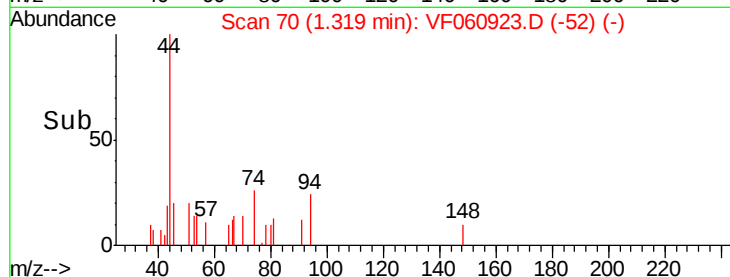
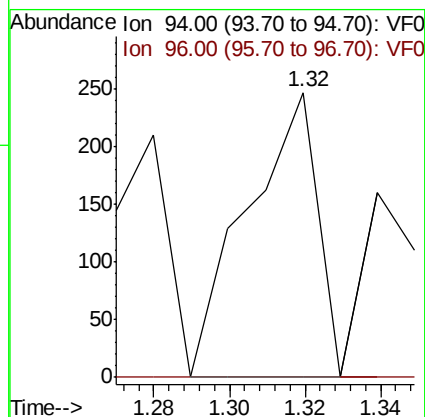
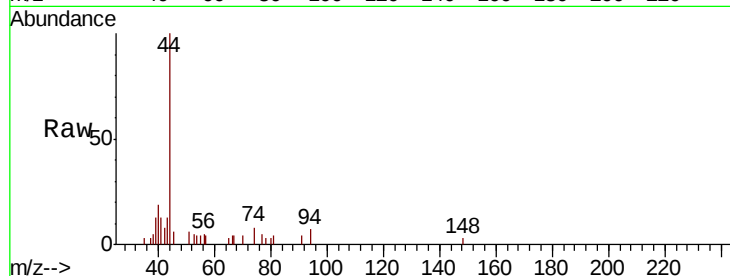
4UST-BASE

Tot Ion: 94 Resp: 318

Ion Ratio Lower Upper

94 100

96 0.0 75.9 113.9#



#7

Trichlorofluoromethane

Concen: 2.204 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.03 min

Lab File: VF060923.D

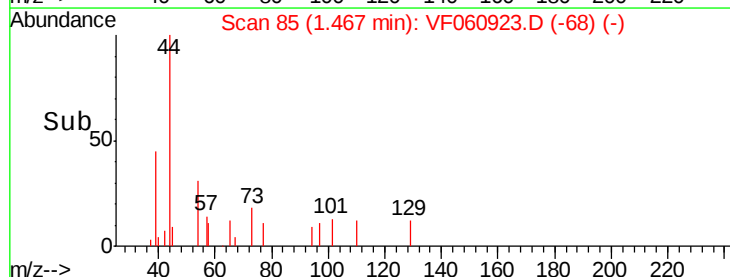
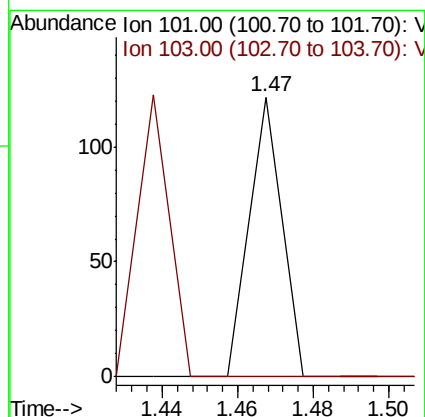
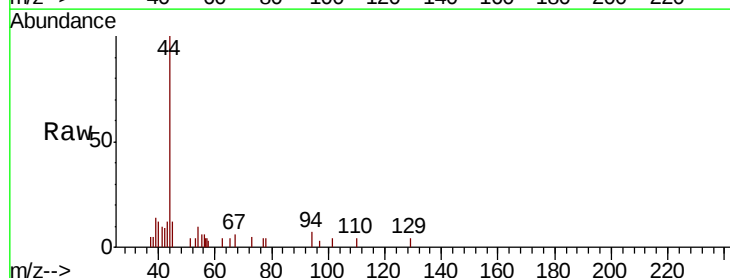
Acq: 6 Dec 2018 18:06

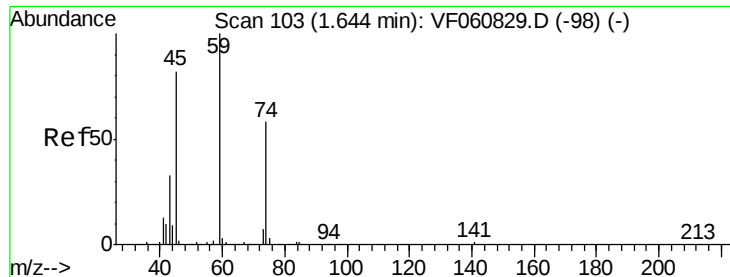
Tgt Ion: 101 Resp: 72

Ion Ratio Lower Upper

101 100

103 0.0 55.4 83.0#





#8

Diethyl Ether

Concen: 15.537 ug/l

RT: 1.57 min Scan# 95

Delta R.T. -0.08 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

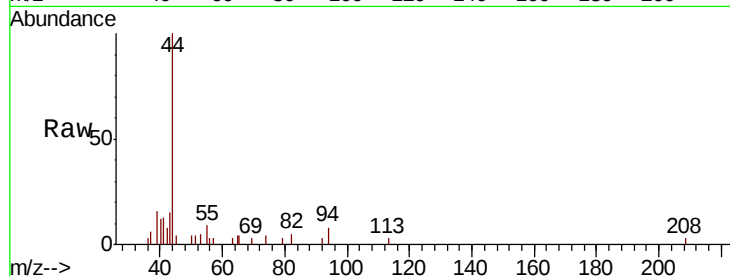
4UST-BASE

Tot Ion: 74 Resp: 73

Ion Ratio Lower Upper

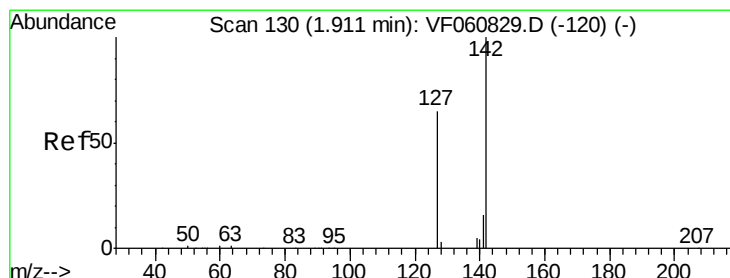
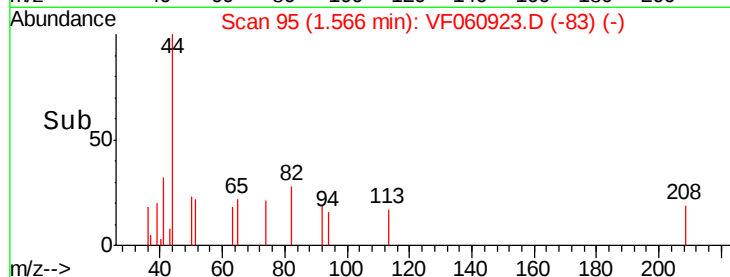
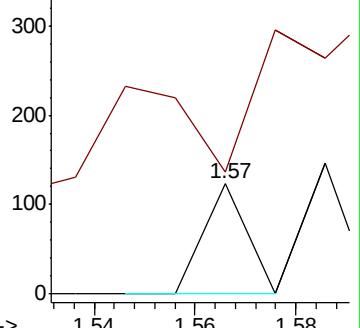
74 100

45 110.6 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#10

Methyl Iodide

Concen: 2.429 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.05 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

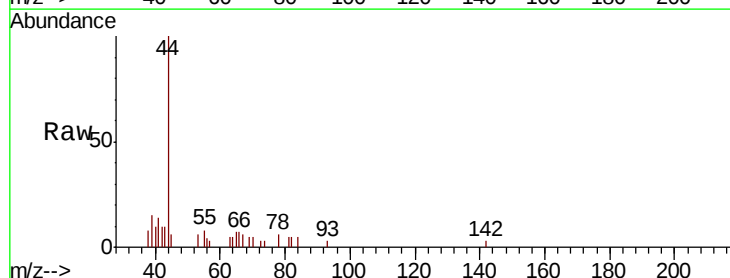
Tgt Ion: 142 Resp: 61

Ion Ratio Lower Upper

142 100

127 0.0 51.9 77.9#

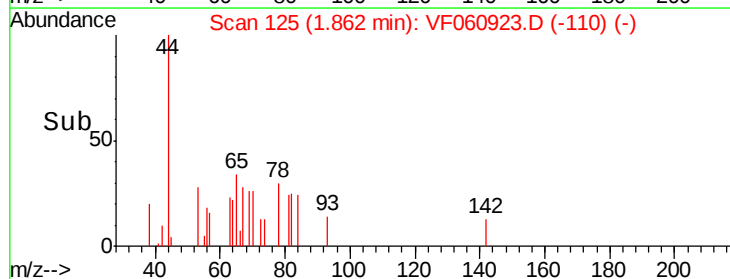
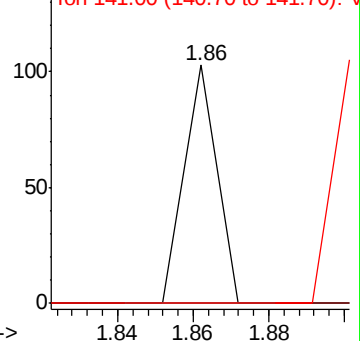
141 0.0 12.7 19.1#

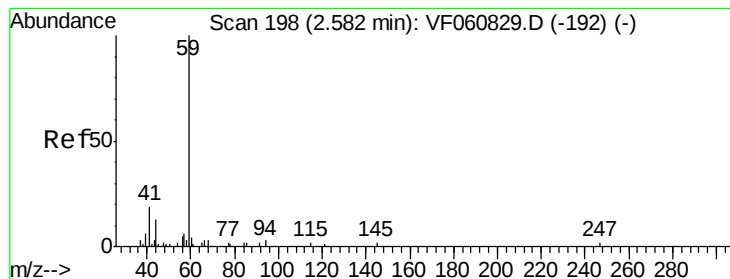


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



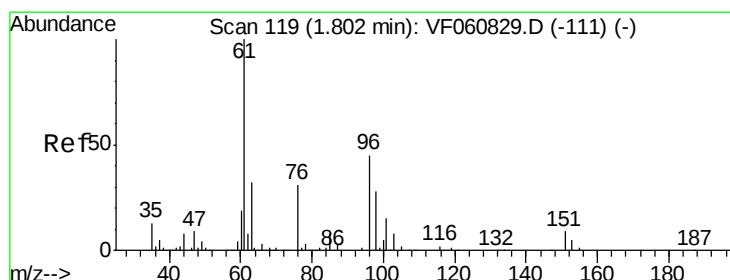
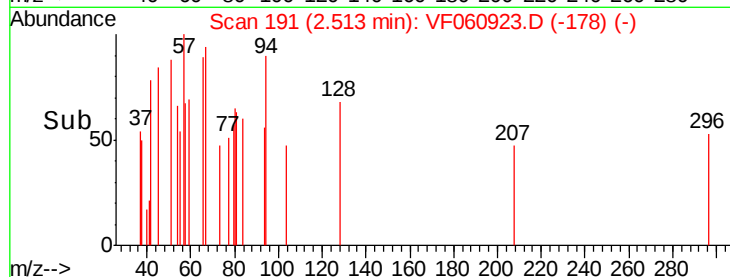
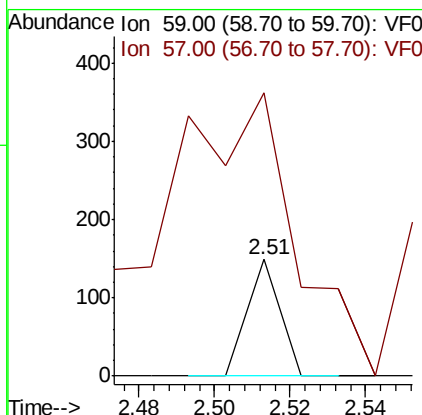
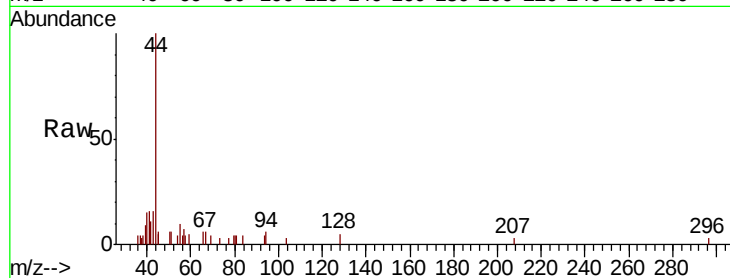


#11

Tert butyl alcohol
Concen: 108.600 ug/l
RT: 2.51 min Scan# 191
Delta R.T. -0.07 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

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4UST-BASE

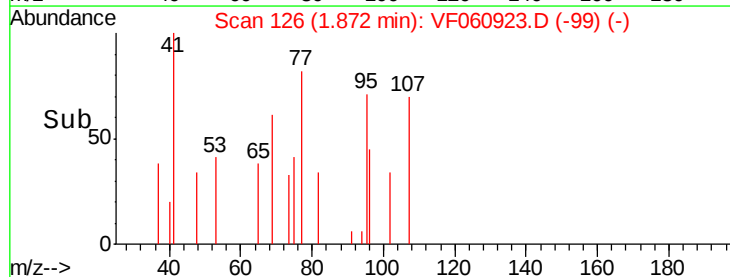
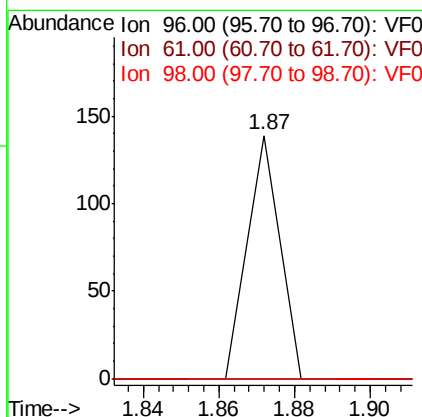
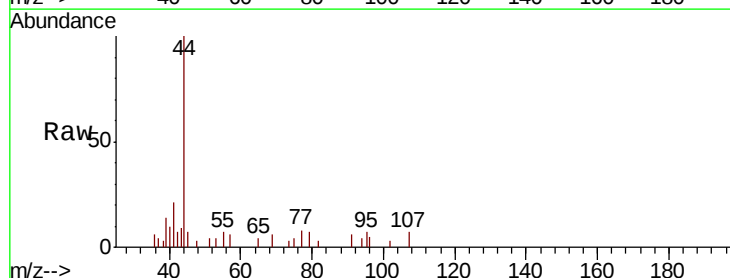
Tot Ion: 59 Resp: 88
Ion Ratio Lower Upper
59 100
57 243.0 12.7 19.1#

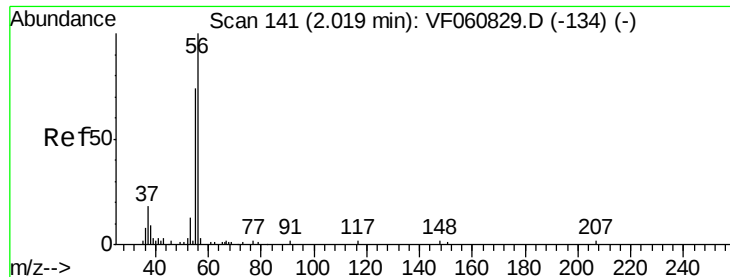


#12

1,1-Dichloroethene
Concen: 6.172 ug/l
RT: 1.87 min Scan# 126
Delta R.T. 0.07 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

Tgt Ion: 96 Resp: 82
Ion Ratio Lower Upper
96 100
61 0.0 177.3 265.9#
98 0.0 49.6 74.4#





#13

Acrolein

Concen: 700.753 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.04 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

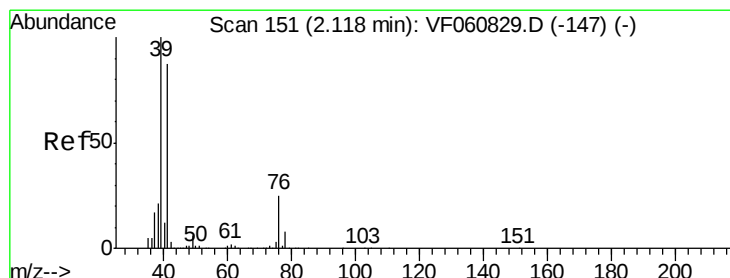
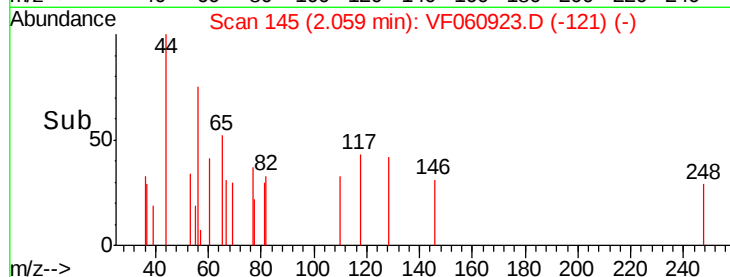
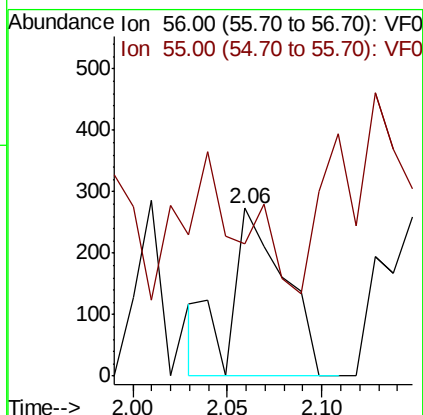
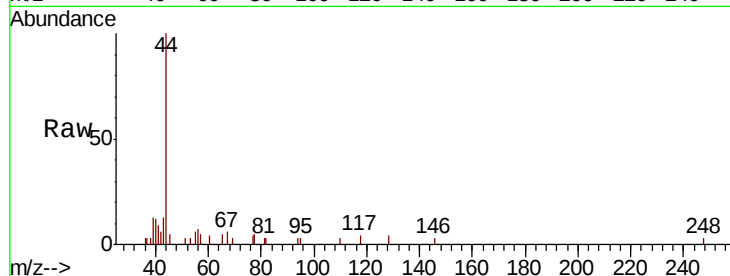
Instrument :
MSVOA_F
ClientSampleId :
4UST-BASE

Tot Ion: 56 Resp: 538

Ion Ratio Lower Upper

56 100

55 79.1 61.2 91.8



#14

Allyl chloride

Concen: 50.240 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.04 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

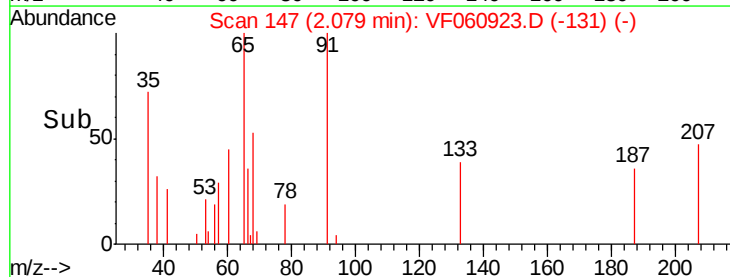
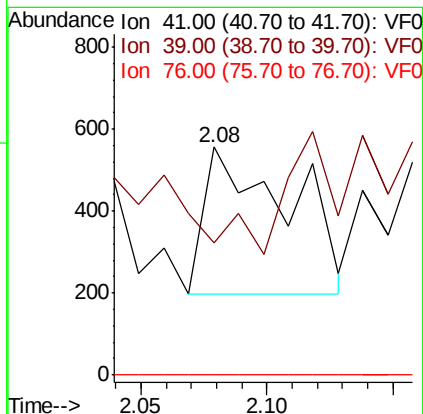
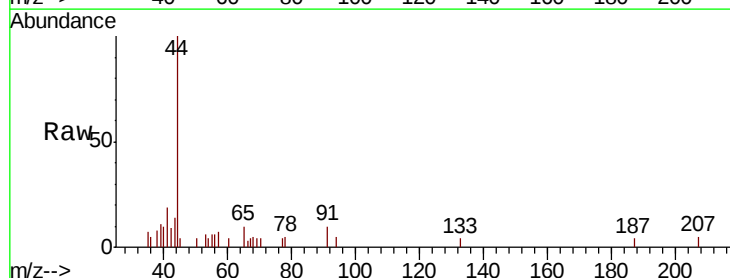
Tgt Ion: 41 Resp: 832

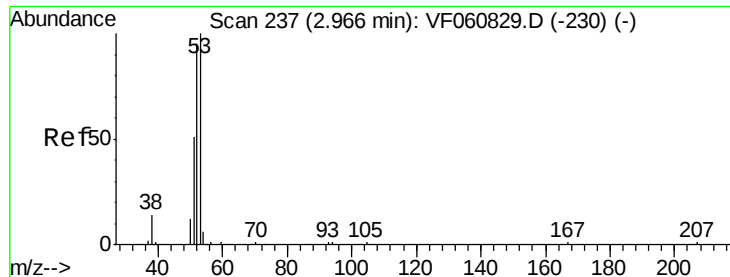
Ion Ratio Lower Upper

41 100

39 58.2 91.7 137.5#

76 0.0 23.5 35.3#





#15

Acrylonitrile

Concen: 182.203 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

4UST-BASE

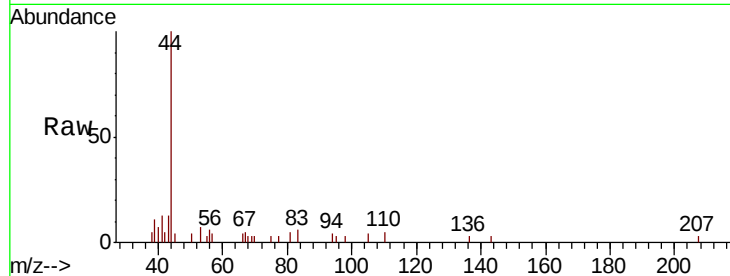
Tot Ion: 53 Resp: 331

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

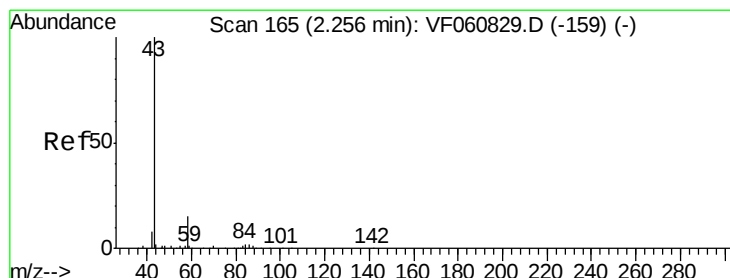
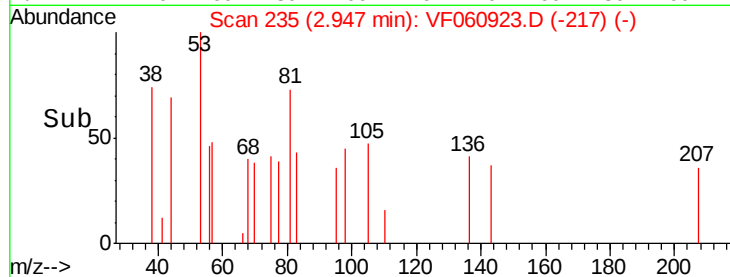
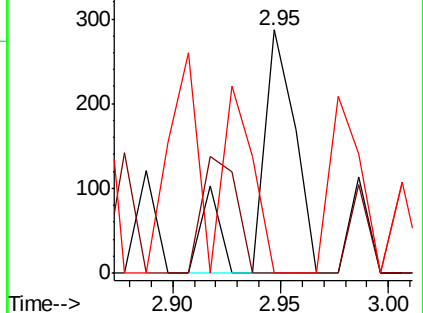
51 0.0 40.7 61.1#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 222.757 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.07 min

Lab File: VF060923.D

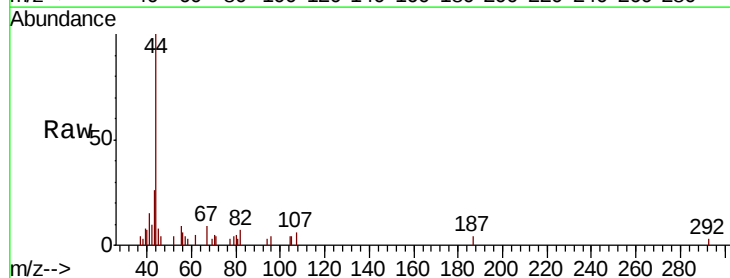
Acq: 6 Dec 2018 18:06

Tgt Ion: 43 Resp: 812

Ion Ratio Lower Upper

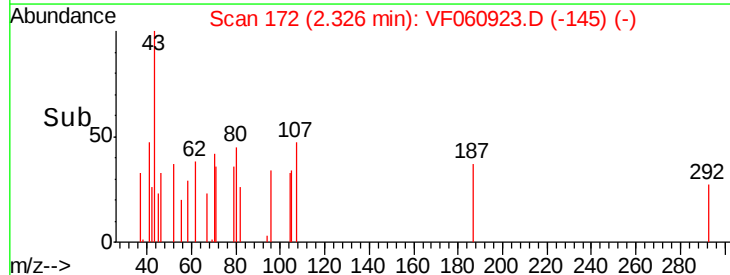
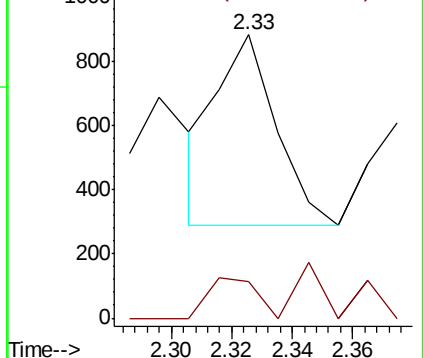
43 100

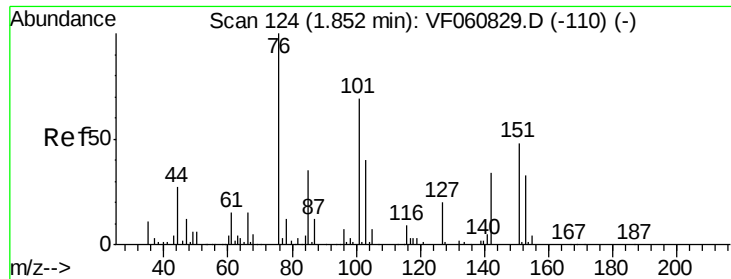
58 12.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 1.740 ug/l

RT: 1.76 min Scan# 115

Delta R.T. -0.09 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

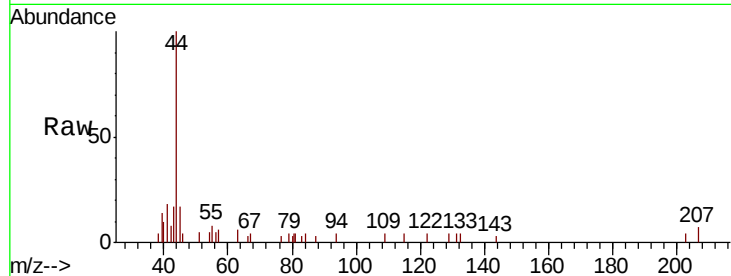
4UST-BASE

Tot Ion: 76 Resp: 62

Ion Ratio Lower Upper

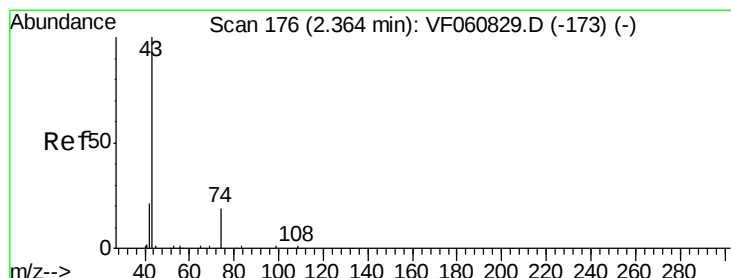
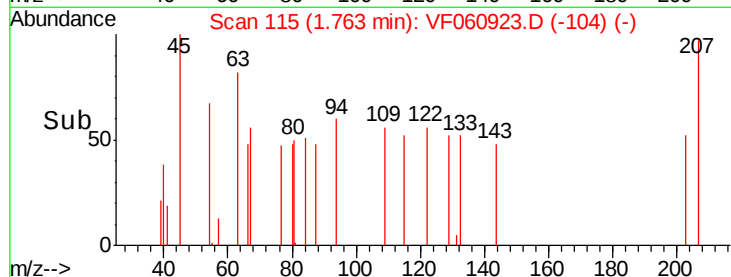
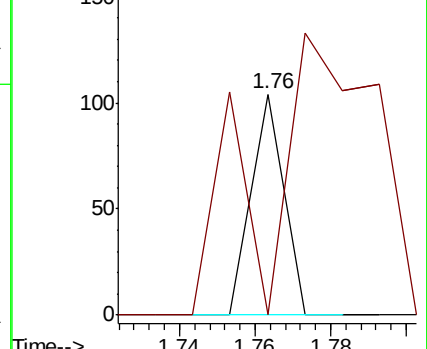
76 100

78 0.0 10.2 15.2#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 135.604 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.04 min

Lab File: VF060923.D

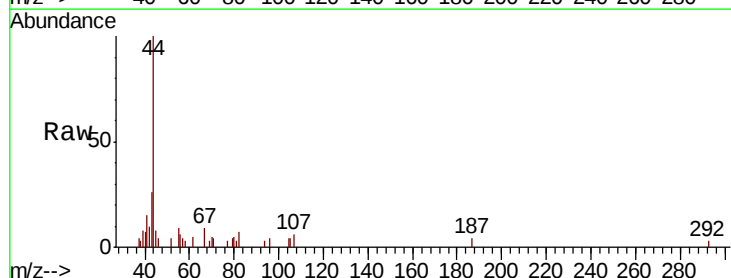
Acq: 6 Dec 2018 18:06

Tgt Ion: 43 Resp: 812

Ion Ratio Lower Upper

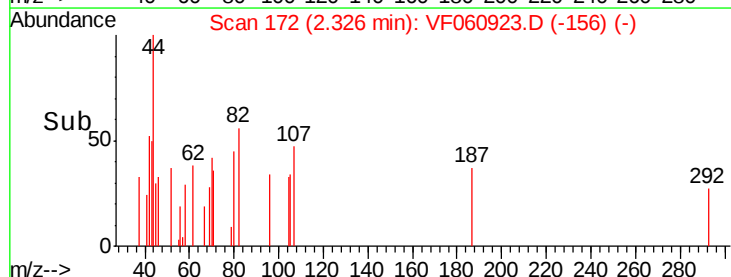
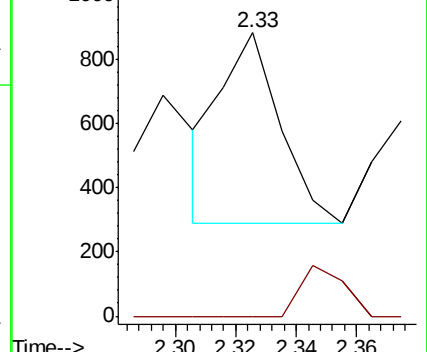
43 100

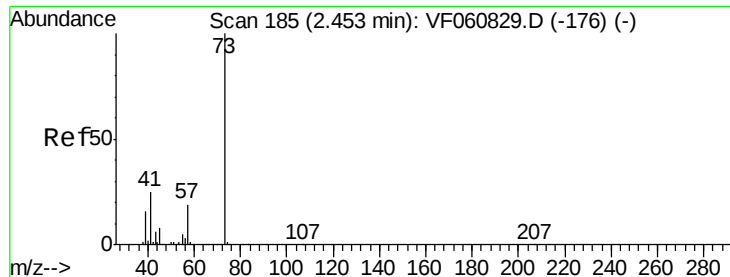
74 0.0 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



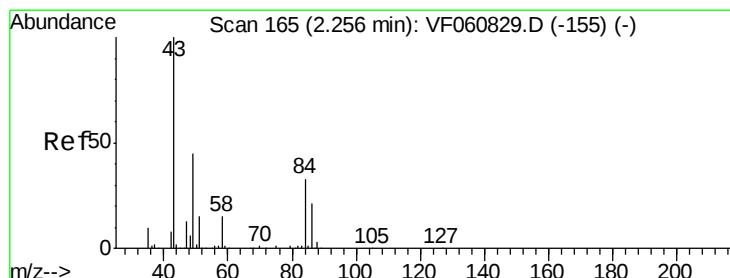
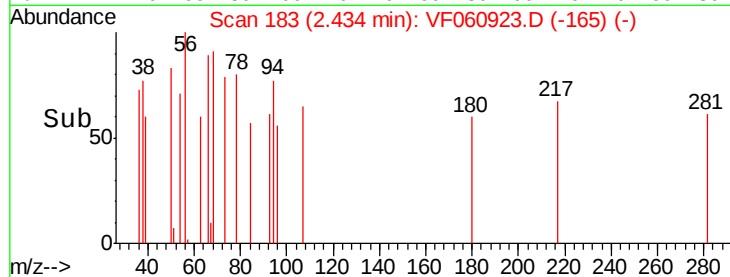
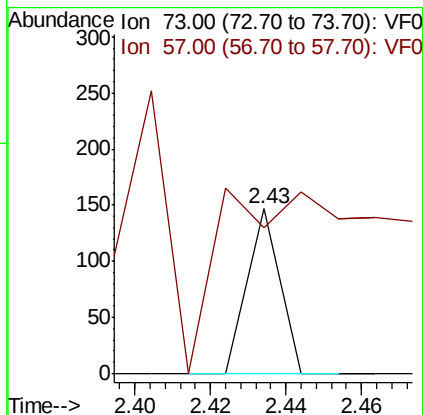
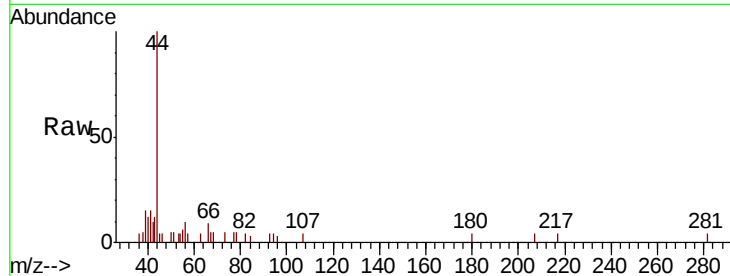


#19

Methyl tert-butyl Ether
 Concen: 2.907 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VF060923.D
 Acq: 6 Dec 2018 18:06

Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-BASE

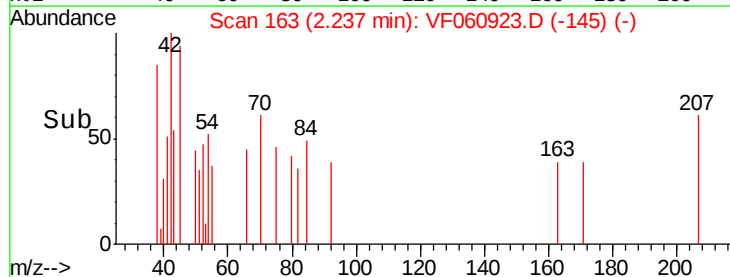
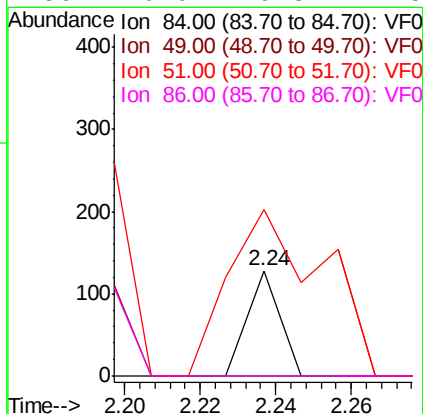
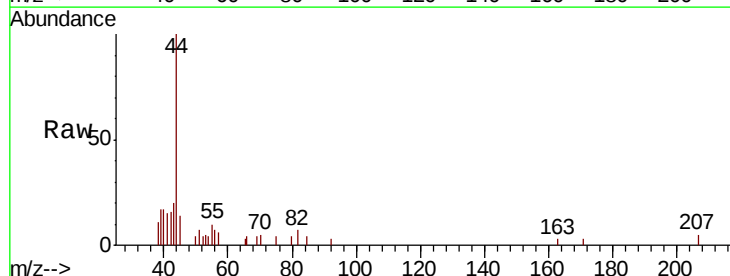
Tot Ion: 73 Resp: 87
 Ion Ratio Lower Upper
 73 100
 57 88.4 15.3 22.9#

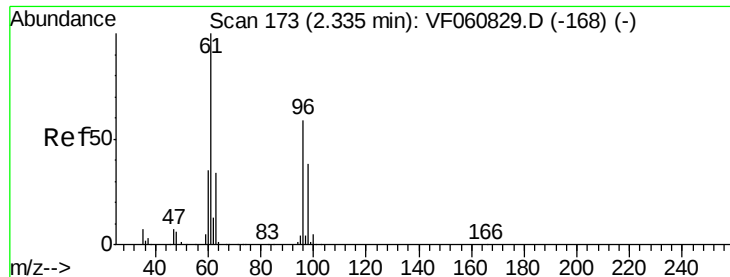


#20

Methylene Chloride
 Concen: 5.683 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: VF060923.D
 Acq: 6 Dec 2018 18:06

Tgt Ion: 84 Resp: 76
 Ion Ratio Lower Upper
 84 100
 49 0.0 111.3 166.9#
 51 158.6 38.0 57.0#
 86 0.0 49.8 74.8#





#21

trans-1,2-Dichloroethene

Concen: 6.948 ug/l

RT: 2.29 min Scan# 168

Delta R.T. -0.05 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

4UST-BASE

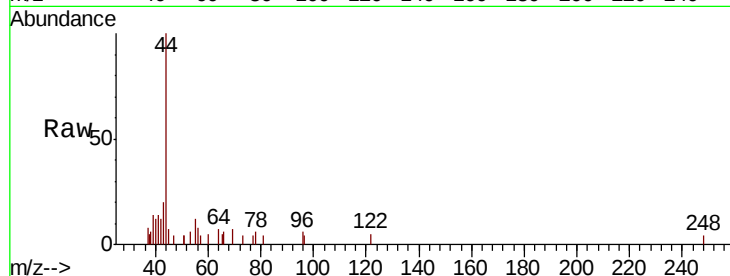
Tot Ion: 96 Resp: 89

Ion Ratio Lower Upper

96 100

61 0.0 134.5 201.7#

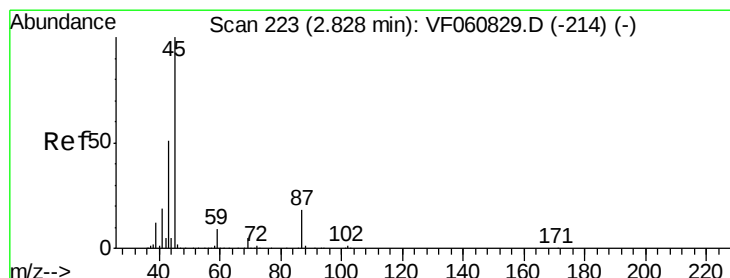
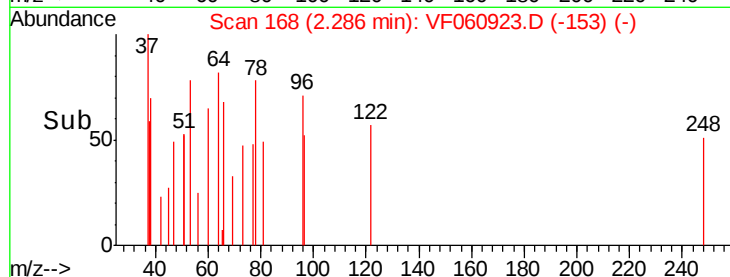
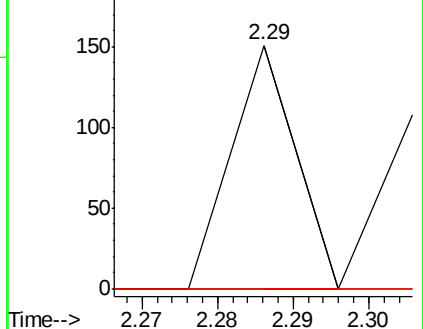
98 0.0 51.6 77.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 3.705 ug/l

RT: 2.85 min Scan# 225

Delta R.T. 0.02 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Tgt Ion: 45 Resp: 167

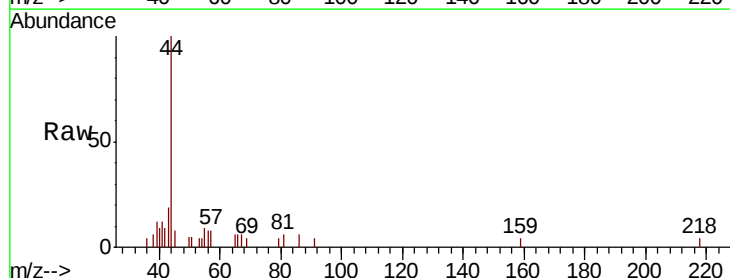
Ion Ratio Lower Upper

45 100

43 231.6 41.0 61.6#

87 0.0 14.6 22.0#

59 0.0 7.5 11.3#

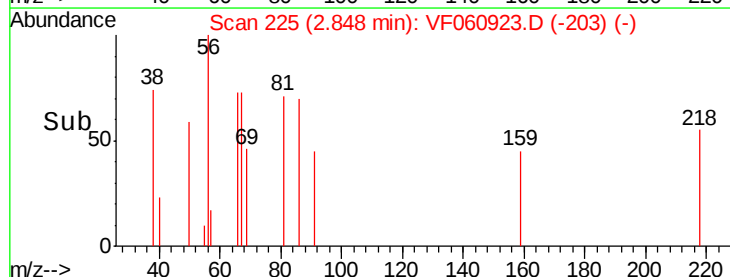
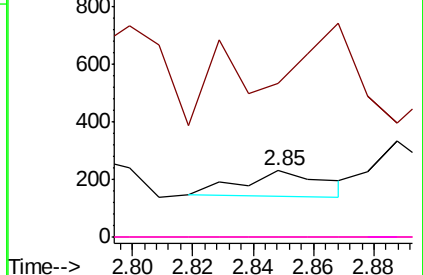


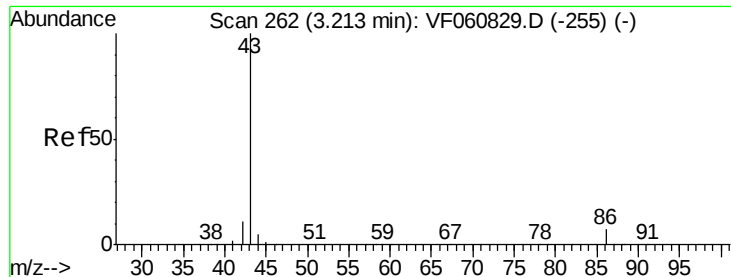
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 5.872 ug/l

RT: 3.14 min Scan# 255

Delta R.T. -0.07 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

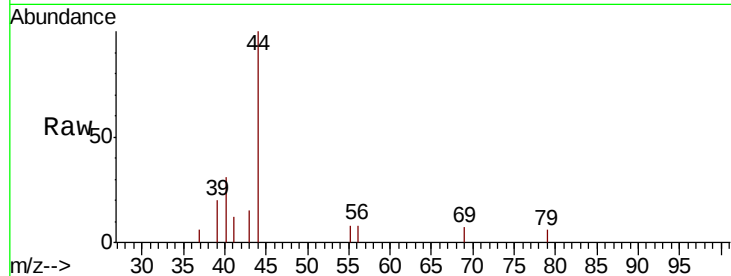
4UST-BASE

Tot Ion: 43 Resp: 121

Ion Ratio Lower Upper

43 100

86 0.0 5.4 8.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.14

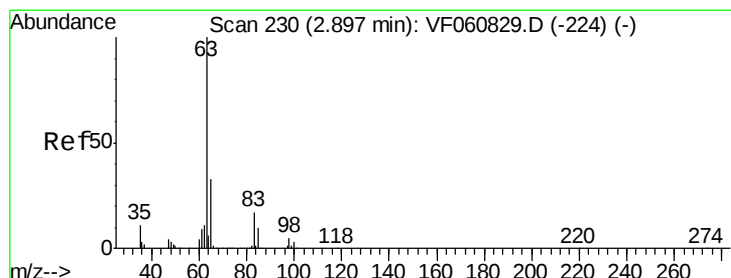
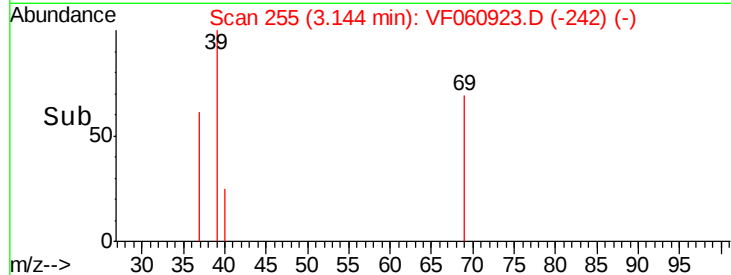
300

200

100

0

Time-->



#24

1,1-Dichloroethane

Concen: 5.705 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

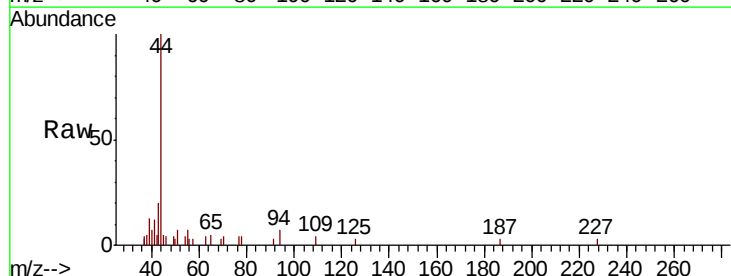
Tgt Ion: 63 Resp: 153

Ion Ratio Lower Upper

63 100

98 0.0 2.7 8.1#

100 0.0 1.5 4.5#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

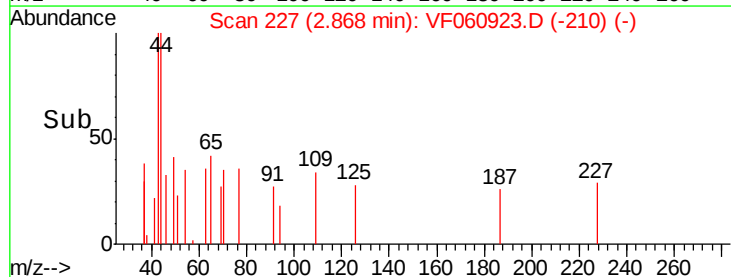
150

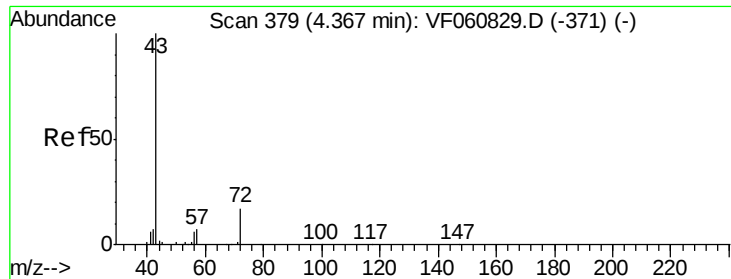
100

50

0

Time-->





#25

2-Butanone

Concen: 62.173 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

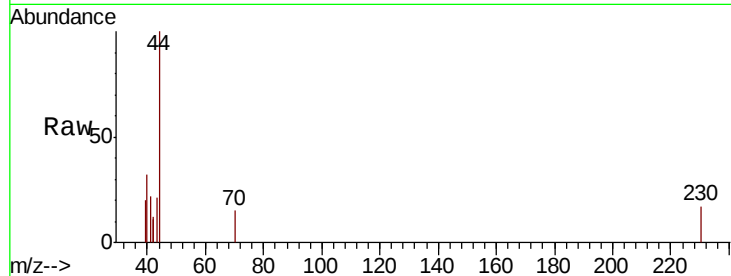
4UST-BASE

Tot Ion: 43 Resp: 392

Ion Ratio Lower Upper

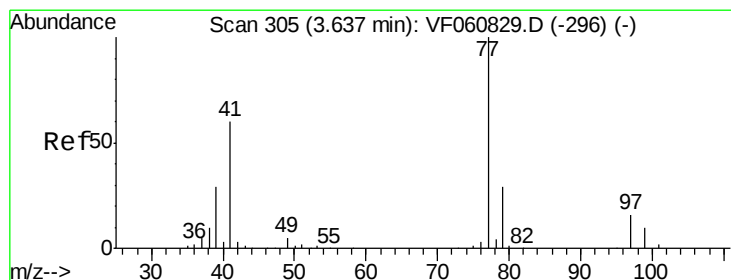
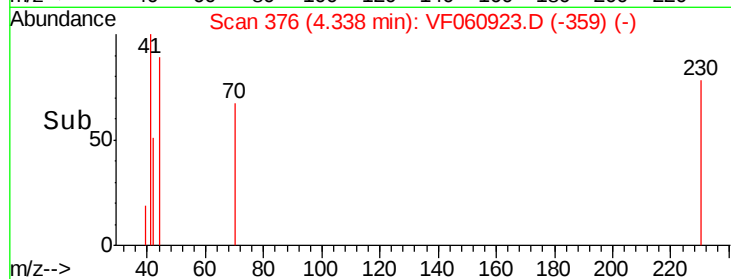
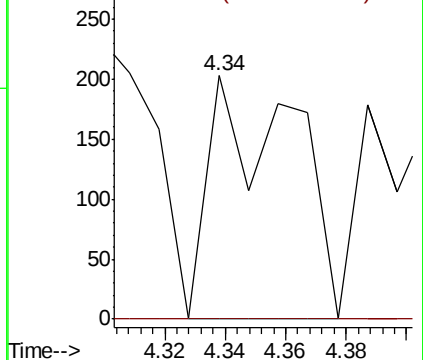
43 100

72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 3.853 ug/l

RT: 3.64 min Scan# 305

Delta R.T. 0.00 min

Lab File: VF060923.D

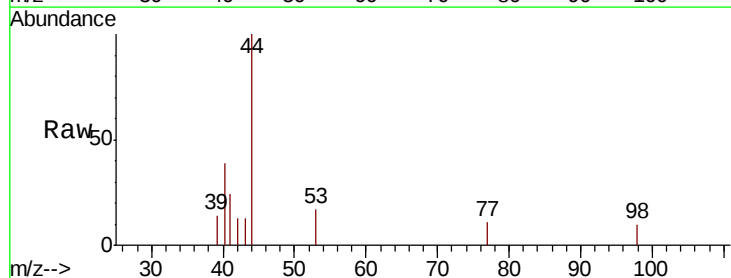
Acq: 6 Dec 2018 18:06

Tgt Ion: 77 Resp: 67

Ion Ratio Lower Upper

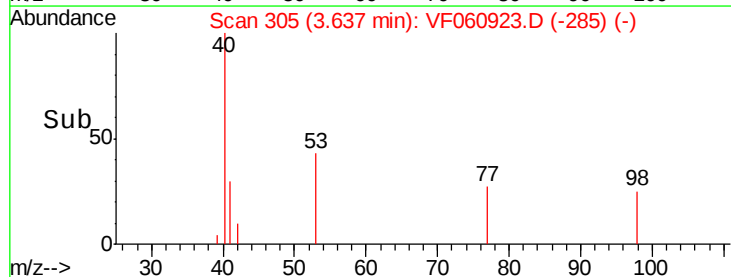
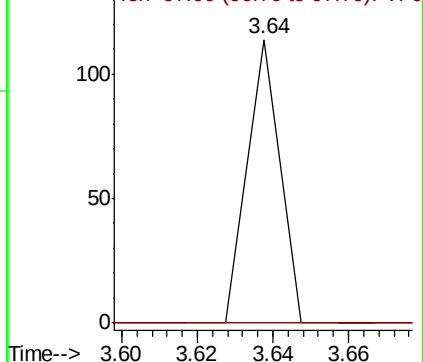
77 100

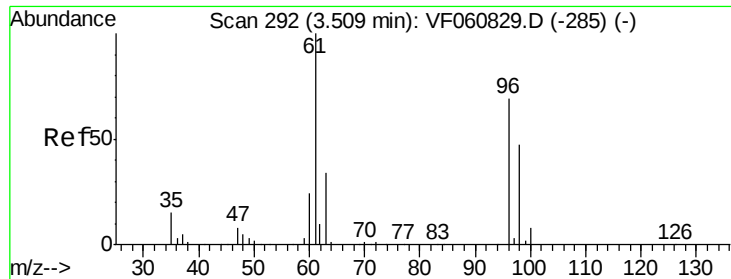
97 0.0 8.6 25.8#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



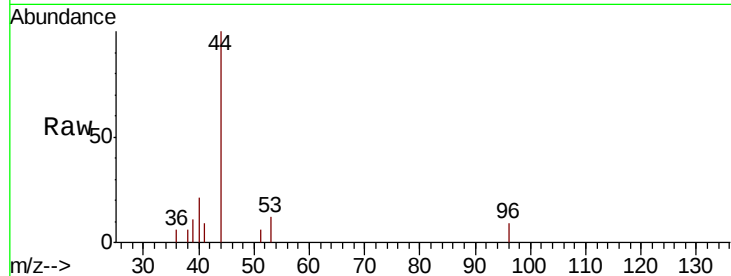


#27

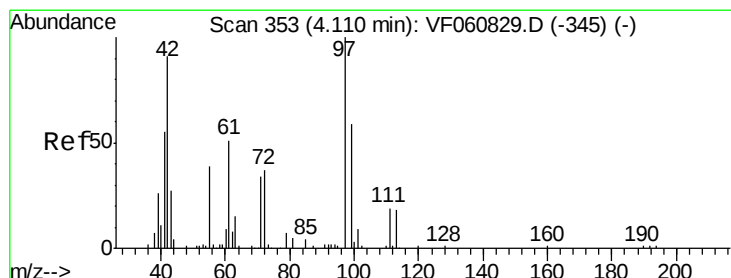
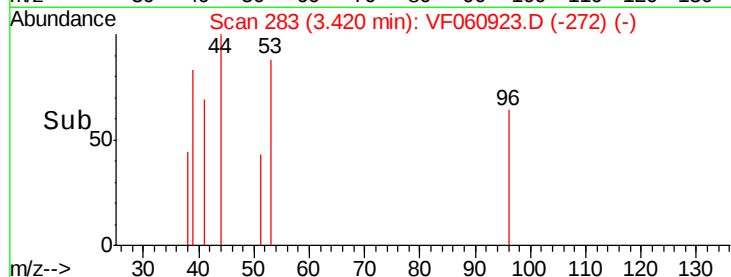
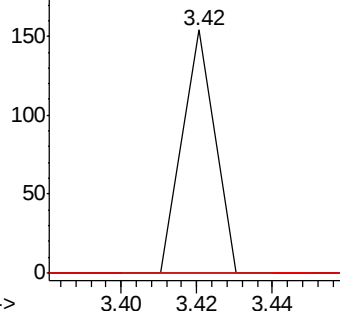
cis-1,2-Dichloroethene
 Concen: 4.364 ug/l
 RT: 3.42 min Scan# 283
 Delta R.T. -0.09 min
 Lab File: VF060923.D
 Acq: 6 Dec 2018 18:06

Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-BASE

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	290.6
98	0.0	0.0	137.8



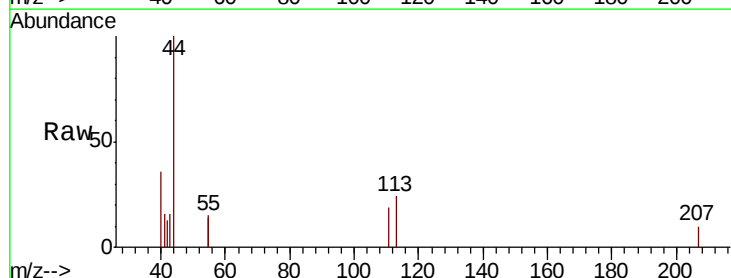
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



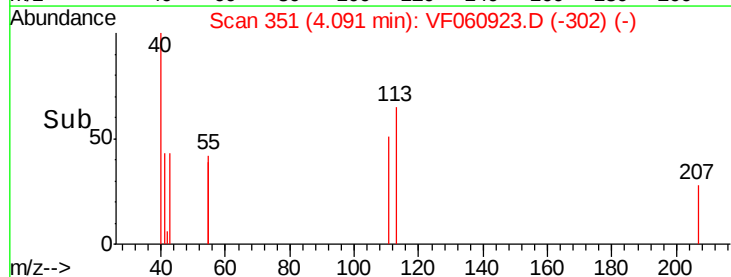
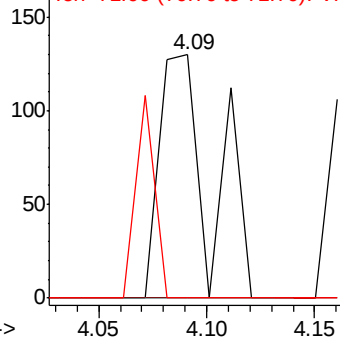
#29

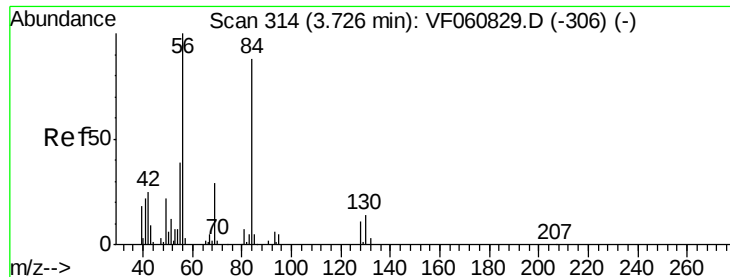
Tetrahydrofuran
 Concen: 81.569 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF060923.D
 Acq: 6 Dec 2018 18:06

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	29.4	28.7	43.1



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

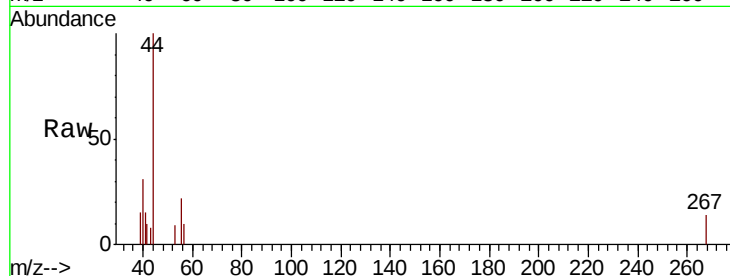




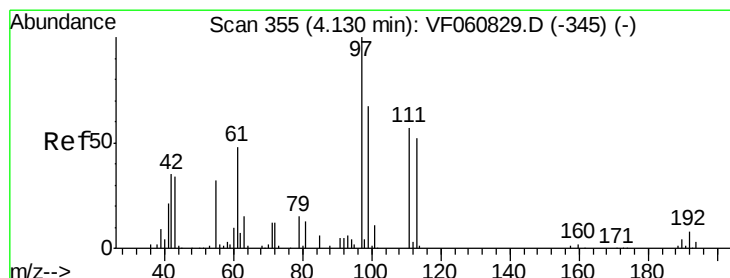
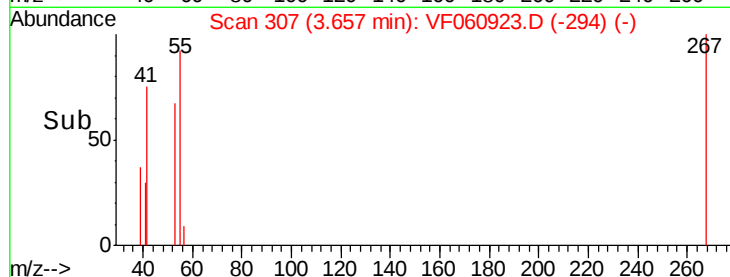
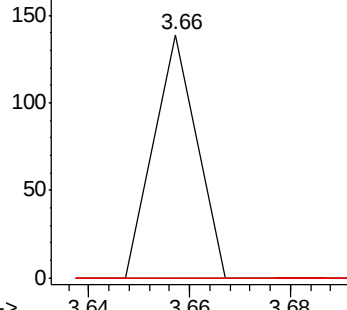
#31
Cyclohexane
Concen: 2.946 ug/l
RT: 3.66 min Scan# 307
Delta R.T. -0.07 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
4UST-BASE

Tot Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
69 0.0 23.0 34.4#
84 0.0 70.4 105.6#

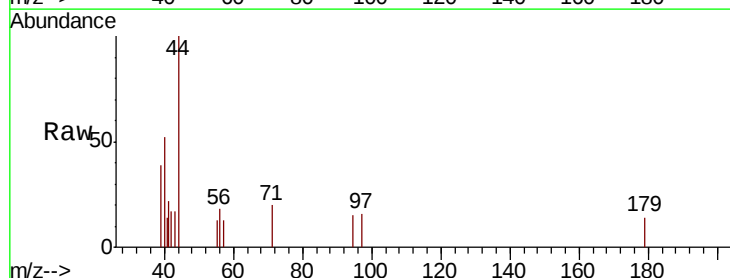


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

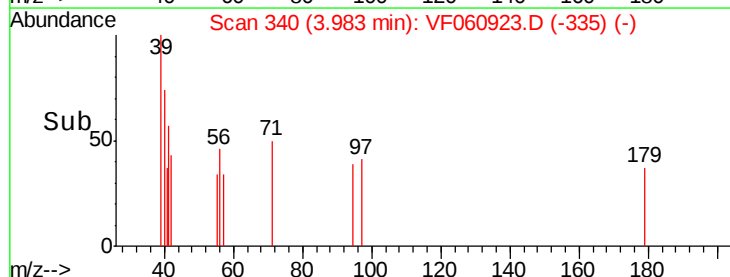
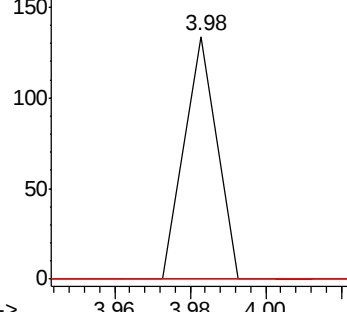


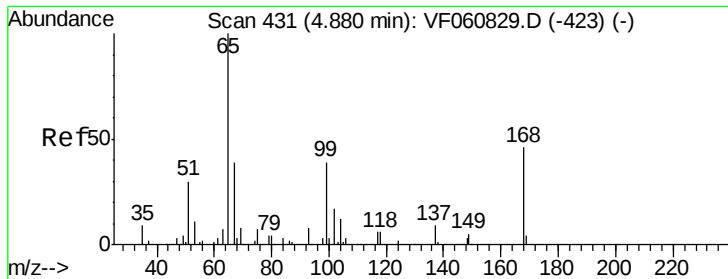
#32
1,1,1-Trichloroethane
Concen: 2.760 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.15 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

Tgt Ion: 97 Resp: 79
Ion Ratio Lower Upper
97 100
99 0.0 53.5 80.3#
61 0.0 38.6 58.0#



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 25.497 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.06 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampled :

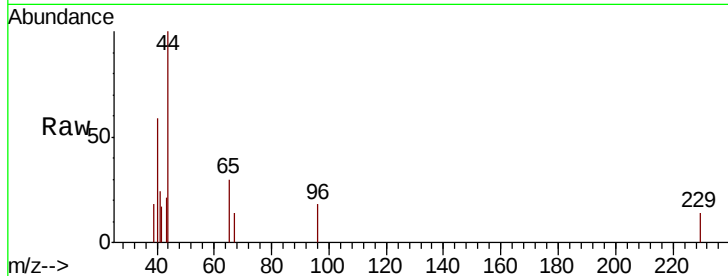
4UST-BASE

Tot Ion: 65 Resp: 504

Ion Ratio Lower Upper

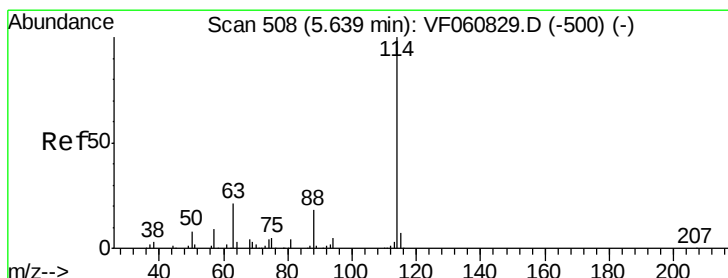
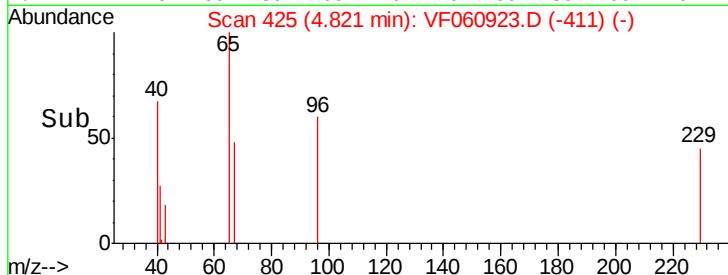
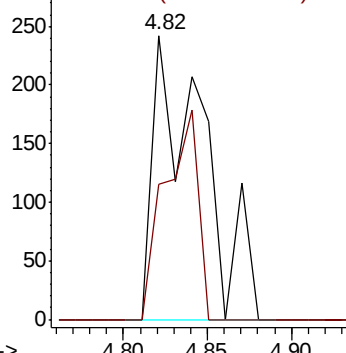
65 100

67 47.5 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

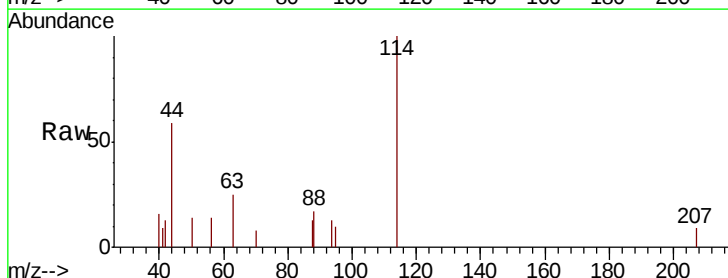
Tgt Ion: 114 Resp: 3036

Ion Ratio Lower Upper

114 100

63 25.4 0.0 41.6

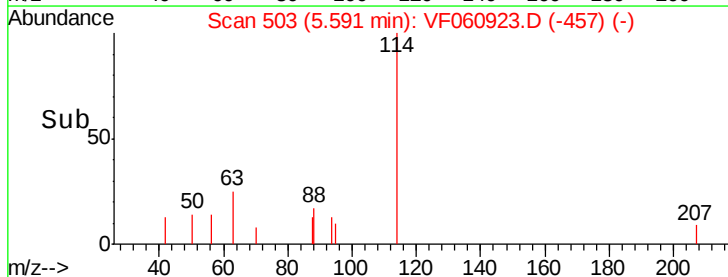
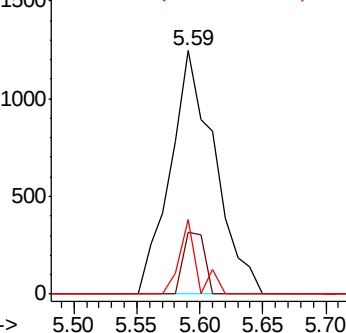
88 30.5 0.0 36.6

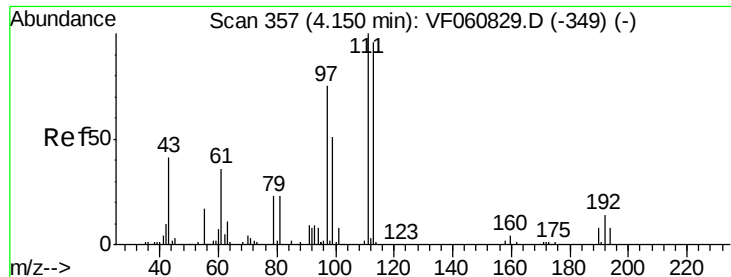


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 29.105 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

4UST-BASE

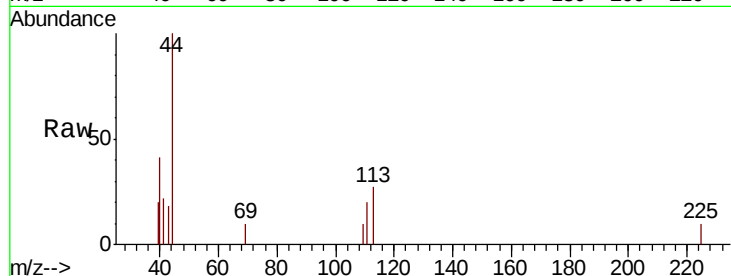
Tot Ion:113 Resp: 701

Ion Ratio Lower Upper

113 100

111 72.9 83.0 124.6#

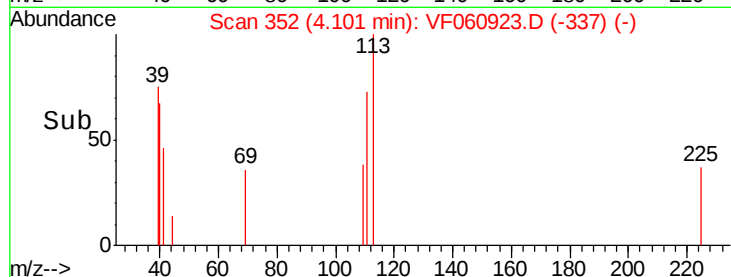
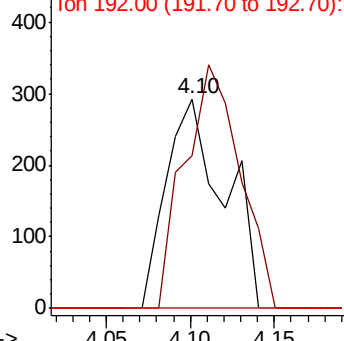
192 0.0 12.3 18.5#



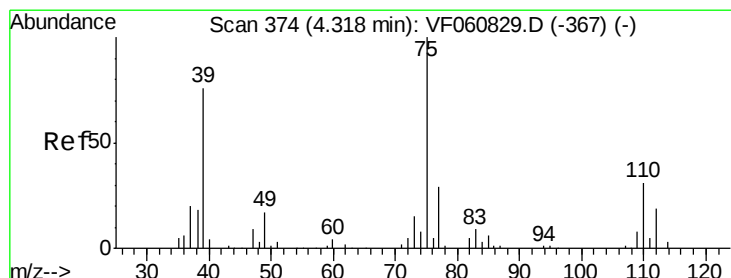
Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



Time-->



#36

1,1-Dichloropropene

Concen: 2.732 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.19 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

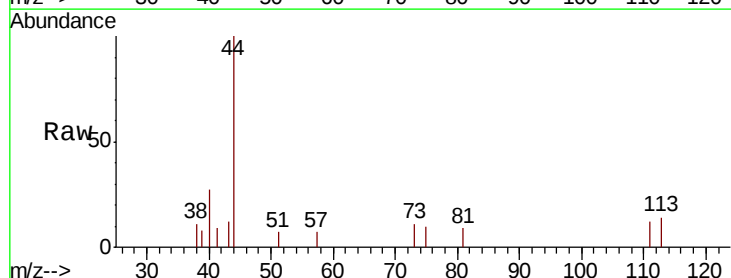
Tgt Ion: 75 Resp: 92

Ion Ratio Lower Upper

75 100

110 0.0 15.6 46.8#

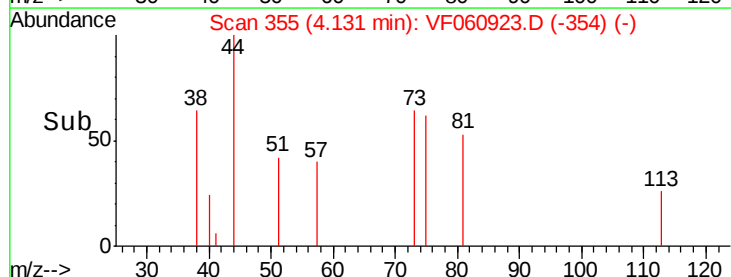
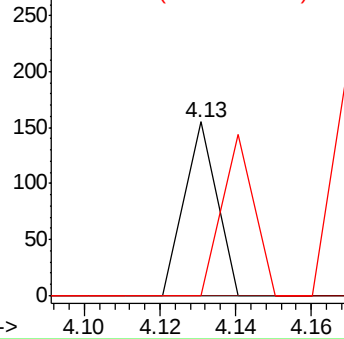
77 0.0 23.4 35.0#



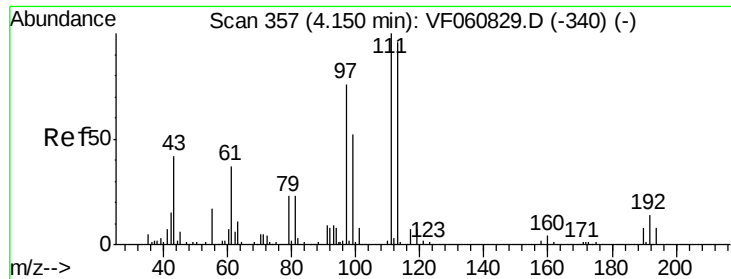
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0



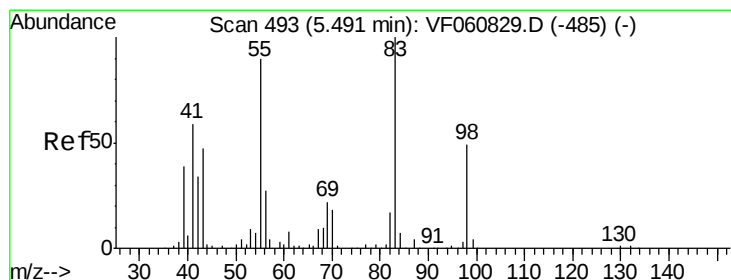
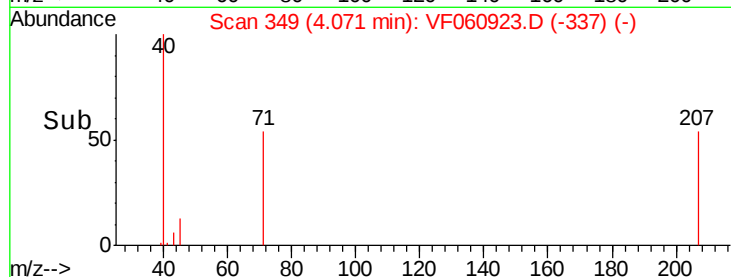
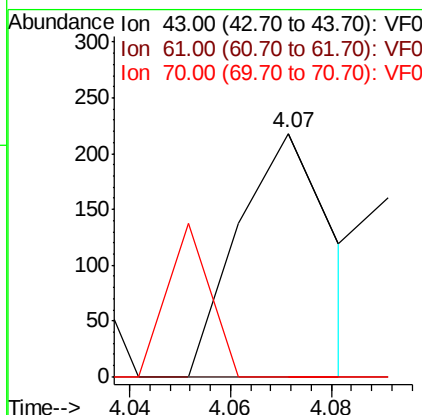
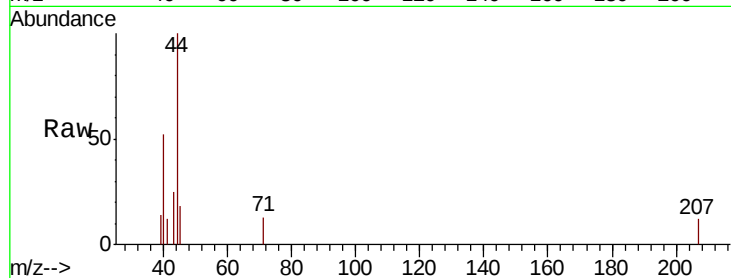
Time-->



#37
Ethyl Acetate
Concen: 20.534 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.08 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

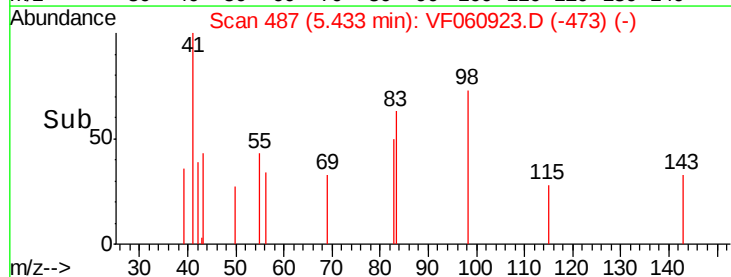
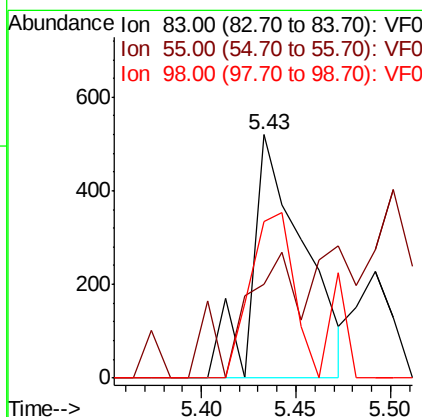
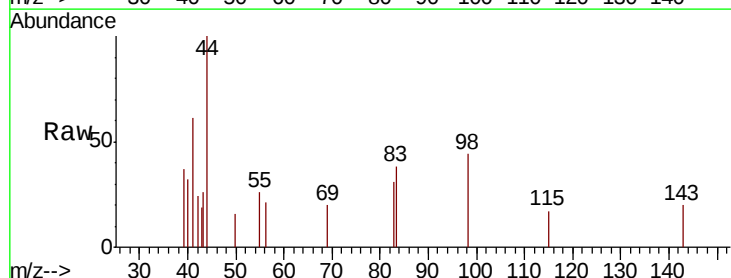
Instrument :
MSVOA_F
ClientSampleId :
4UST-BASE

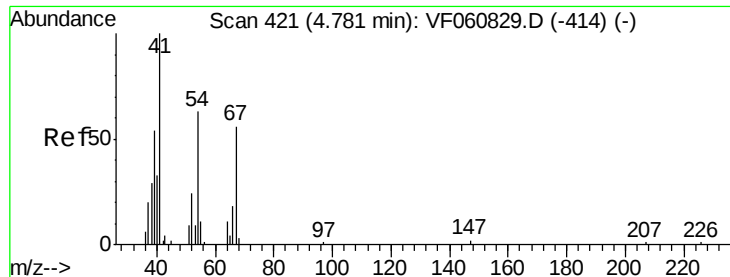
Tot Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
61 0.0 68.6 103.0#
70 0.0 9.0 13.4#



#39
Methylcyclohexane
Concen: 28.422 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.06 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

Tgt Ion: 83 Resp: 1003
Ion Ratio Lower Upper
83 100
55 38.5 72.1 108.1#
98 64.2 39.1 58.7#





#41

Methacrylonitrile

Concen: 98.313 ug/l

RT: 4.78 min Scan# 421

Delta R.T. 0.00 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

4UST-BASE

Tot Ion: 41 Resp: 670

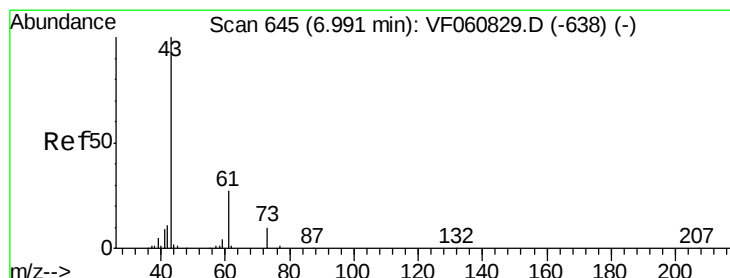
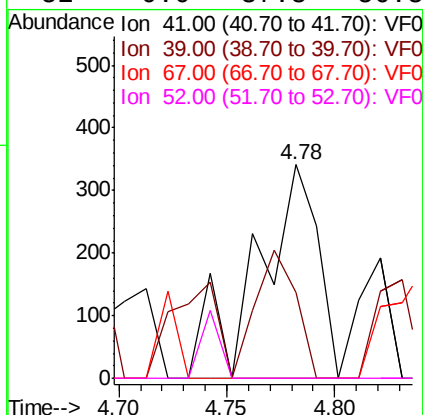
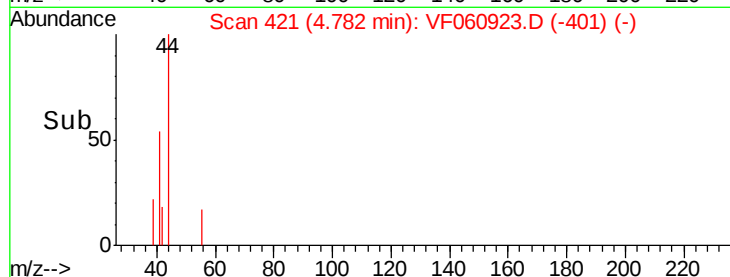
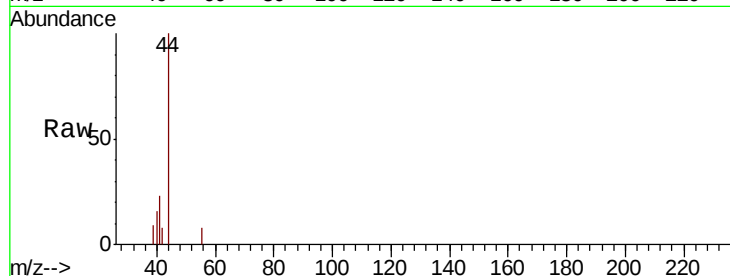
Ion Ratio Lower Upper

41 100

39 40.5 53.0 79.6#

67 0.0 43.8 65.6#

52 0.0 37.8 56.8#



#43

Isopropyl Acetate

Concen: 219.666 ug/l

RT: 7.02 min Scan# 648

Delta R.T. 0.03 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

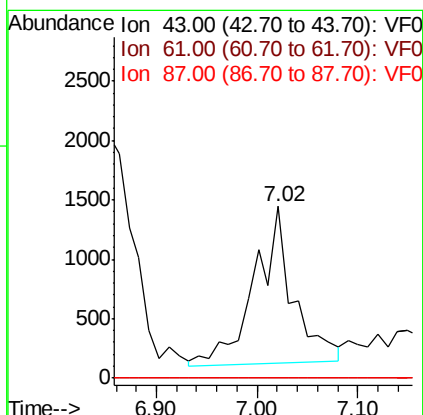
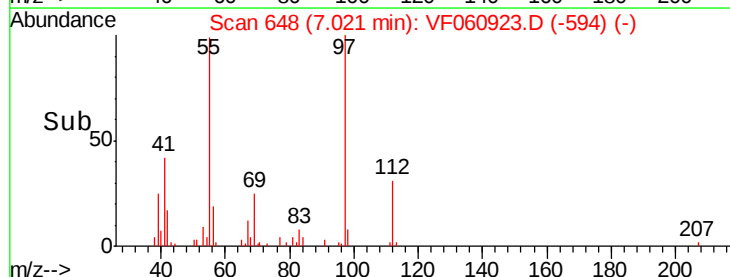
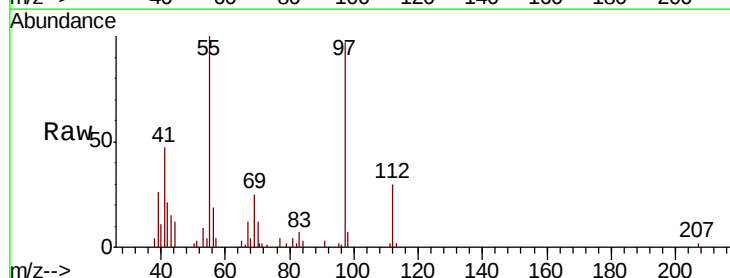
Tgt Ion: 43 Resp: 3553

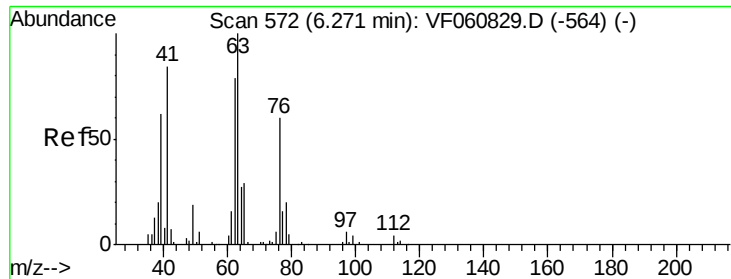
Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

87 0.0 0.2 0.4#





#45

1,2-Dichloropropane

Concen: 8.799 ug/l

RT: 6.12 min Scan# 557

Delta R.T. -0.15 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

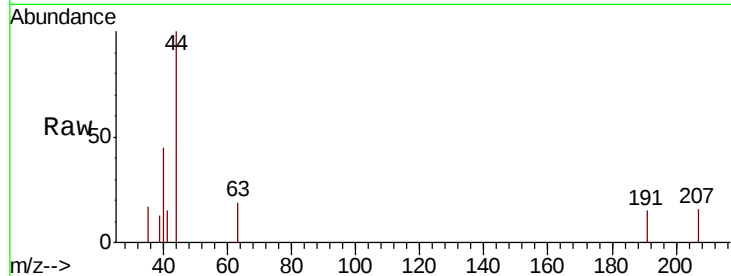
4UST-BASE

Tot Ion: 63 Resp: 170

Ion Ratio Lower Upper

63 100

65 0.0 23.2 34.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.12

150

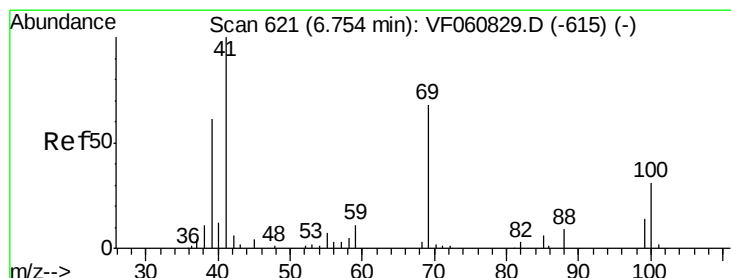
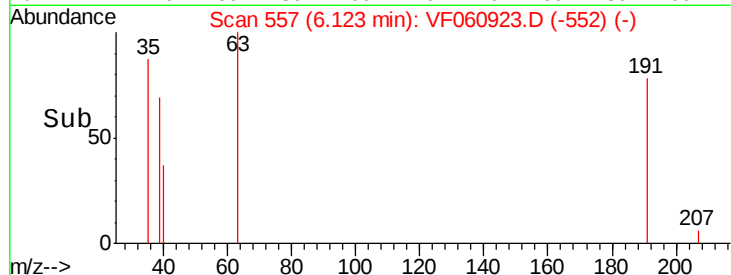
100

50

0

6.08 6.10 6.12 6.14 6.16

Time-->



#48

Methyl methacrylate

Concen: 695.179 ug/l

RT: 6.80 min Scan# 626

Delta R.T. 0.05 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

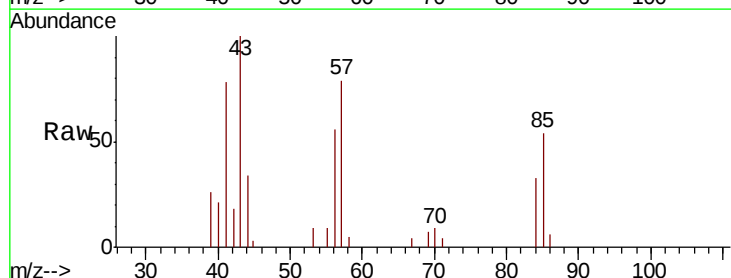
Tgt Ion: 41 Resp: 8611

Ion Ratio Lower Upper

41 100

69 8.9 53.9 80.9#

39 33.9 49.0 73.6#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

3000

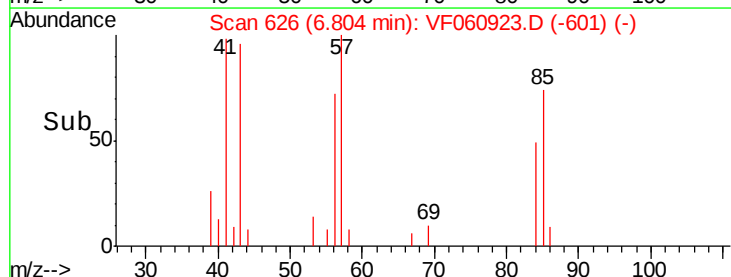
2000

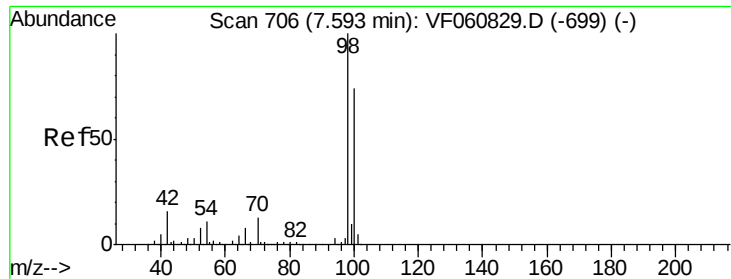
1000

0

6.70 6.80 6.90

Time-->





#50

Toluene-d8

Concen: 59.635 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

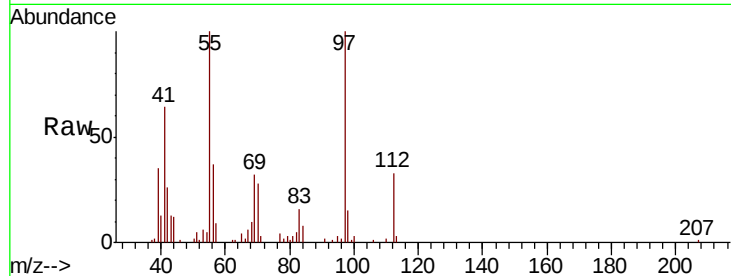
4UST-BASE

Tot Ion: 98 Resp: 4231

Ion Ratio Lower Upper

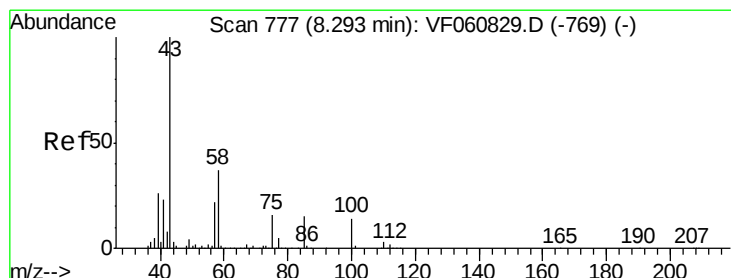
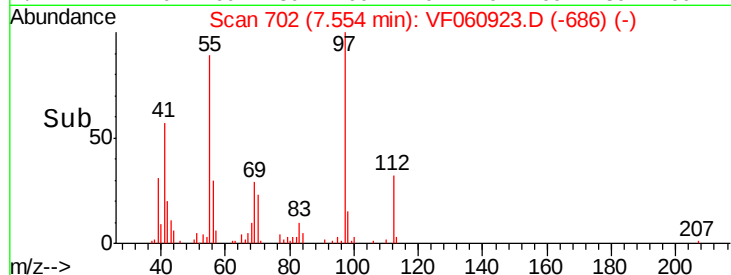
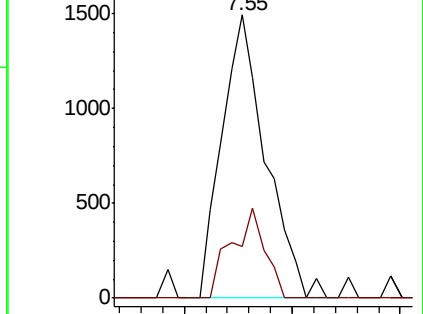
98 100

100 18.4 59.3 88.9#



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: 15194.679 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF060923.D

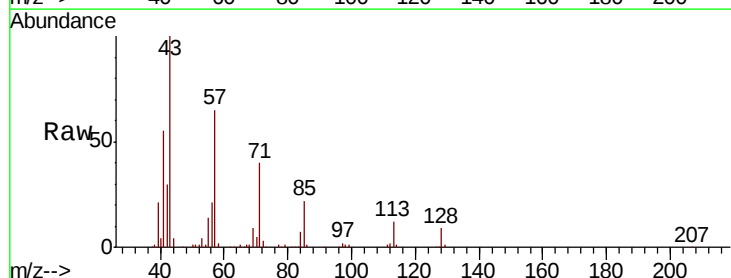
Acq: 6 Dec 2018 18:06

Tgt Ion: 43 Resp: 191744

Ion Ratio Lower Upper

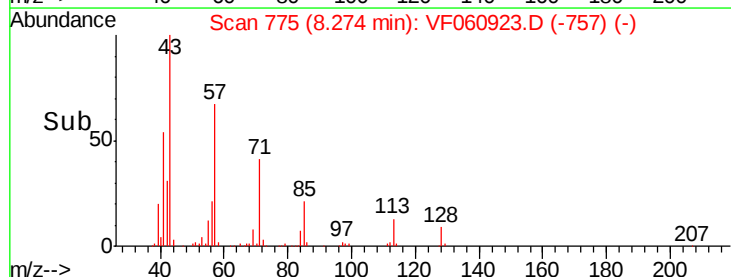
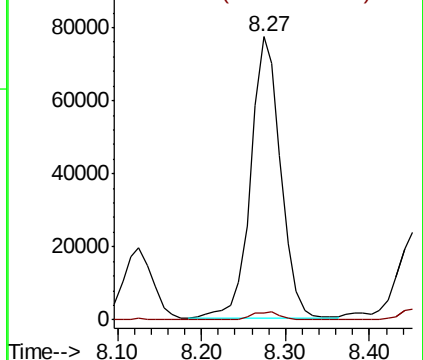
43 100

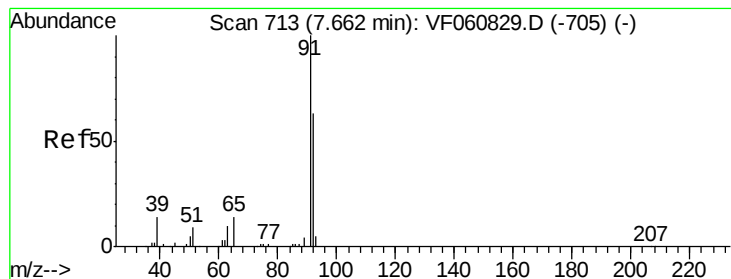
58 2.2 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 1.320 ug/l

RT: 7.57 min Scan# 704

Delta R.T. -0.09 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

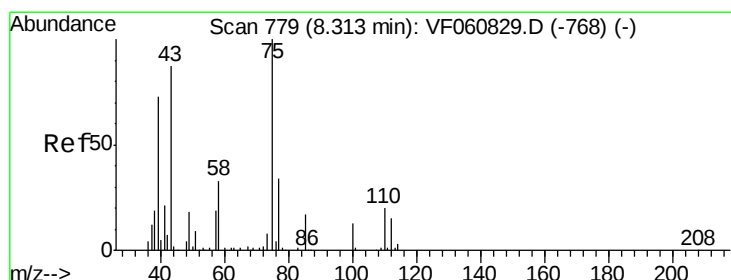
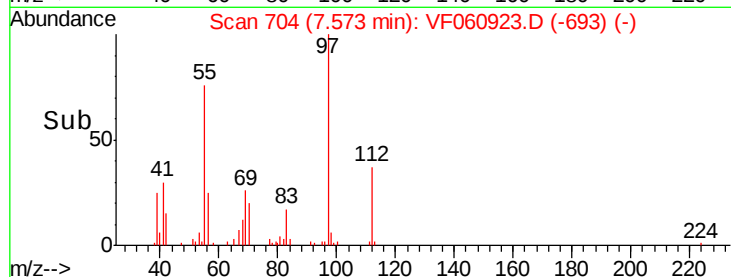
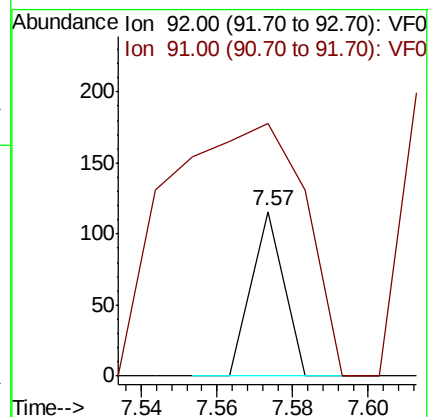
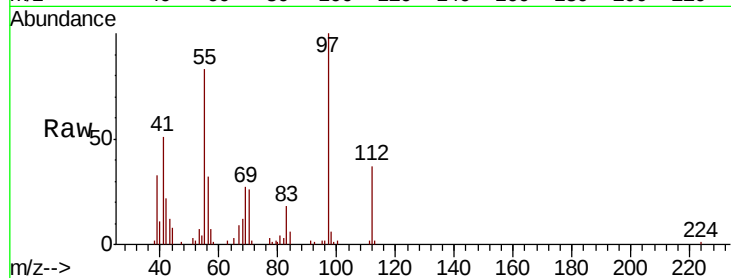
4UST-BASE

Tot Ion: 92 Resp: 69

Ion Ratio Lower Upper

92 100

91 153.4 126.2 189.2



#53

t-1,3-Dichloropropene

Concen: 2.084 ug/l

RT: 8.18 min Scan# 766

Delta R.T. -0.13 min

Lab File: VF060923.D

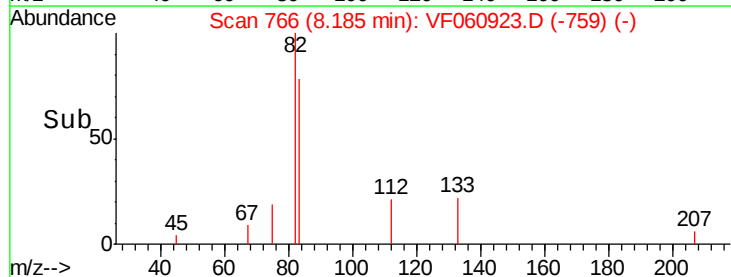
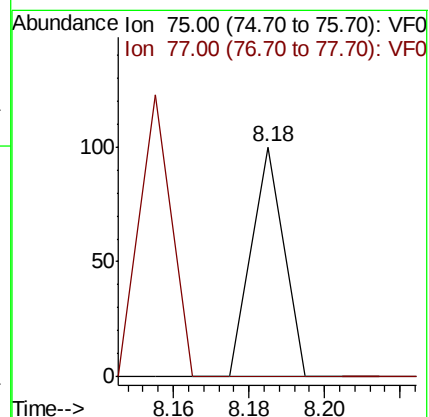
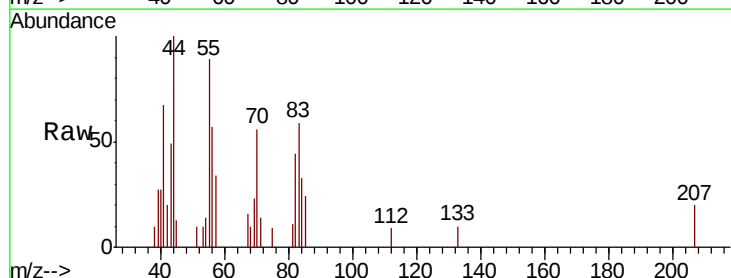
Acq: 6 Dec 2018 18:06

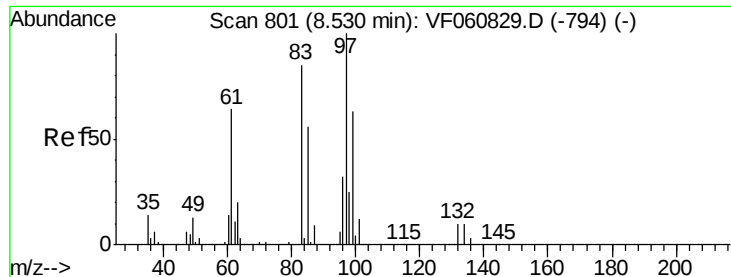
Tgt Ion: 75 Resp: 59

Ion Ratio Lower Upper

75 100

77 0.0 27.4 41.2#





#55

1,1,2-Trichloroethane

Concen: 914.199 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.15 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

4UST-BASE

Tot Ion: 97 Resp: 13920

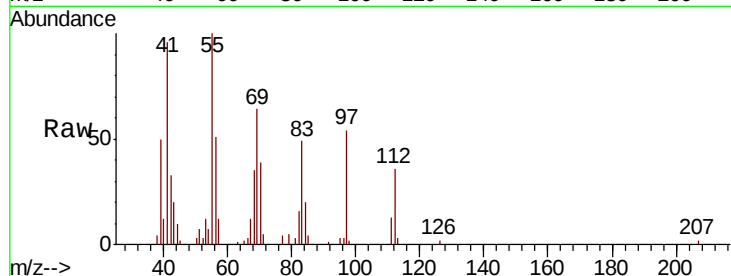
Ion Ratio Lower Upper

97 100

83 89.5 67.8 101.6

85 7.1 45.0 67.6#

99 0.0 50.5 75.7#

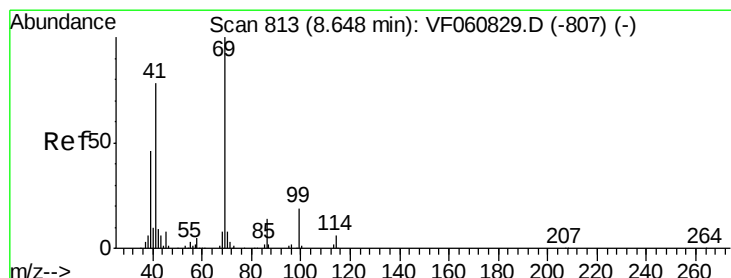
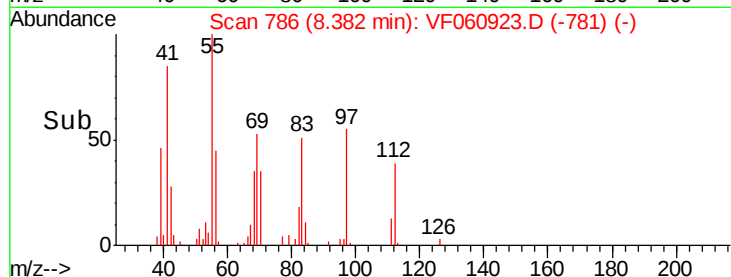
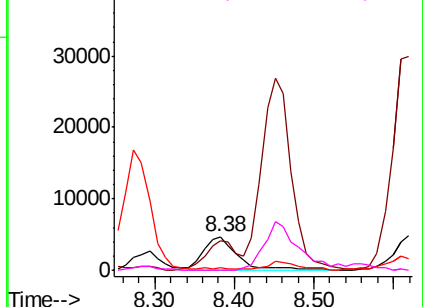


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 17640.519 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.03 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

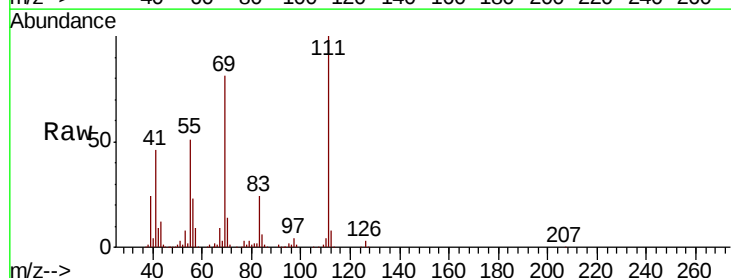
Tgt Ion: 69 Resp: 298383

Ion Ratio Lower Upper

69 100

41 56.9 62.6 94.0#

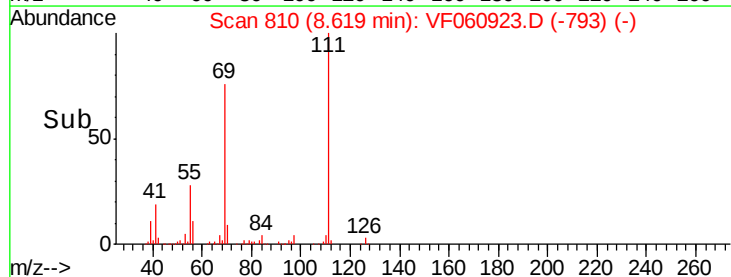
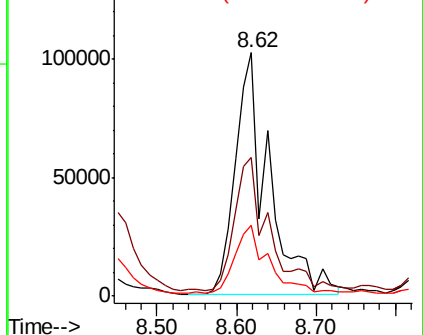
39 29.1 37.8 56.6#

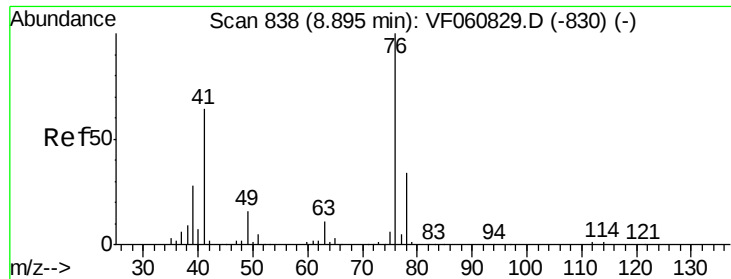


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

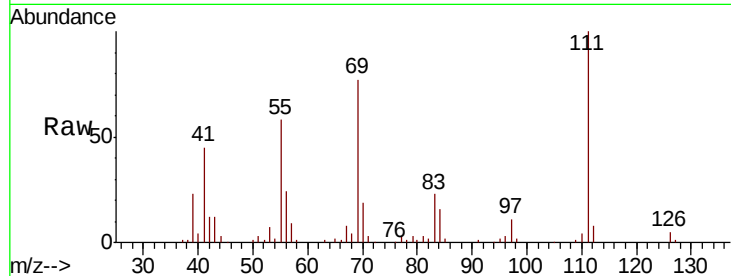




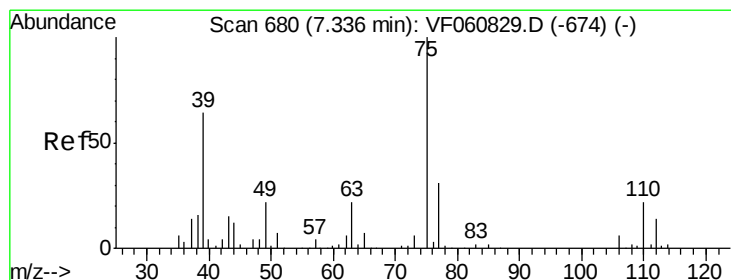
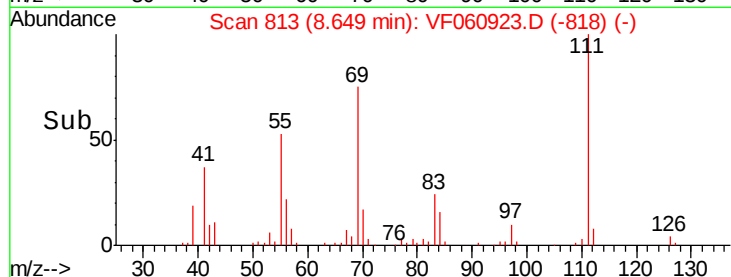
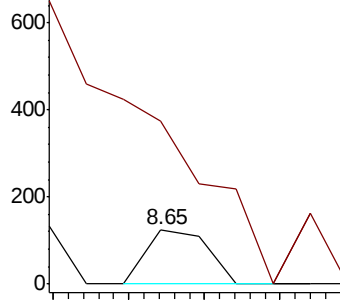
#57
 1,3-Dichloropropane
 Concen: 5.180 ug/l
 RT: 8.65 min Scan# 813
 Delta R.T. -0.25 min
 Lab File: VF060923.D
 Acq: 6 Dec 2018 18:06

Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-BASE

Tot Ion: 76 Resp: 138
 Ion Ratio Lower Upper
 76 100
 78 299.2 27.0 40.4#

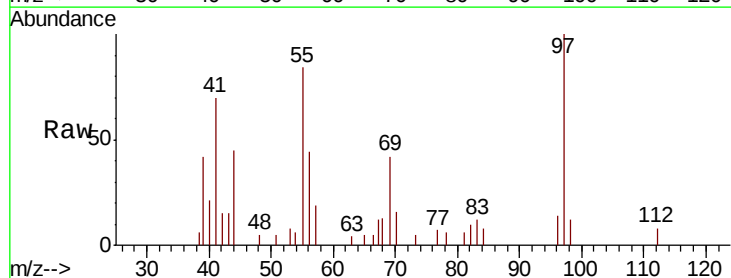


Abundance Ion 76.00 (75.70 to 76.70): VF0
 Ion 78.00 (77.70 to 78.70): VF0

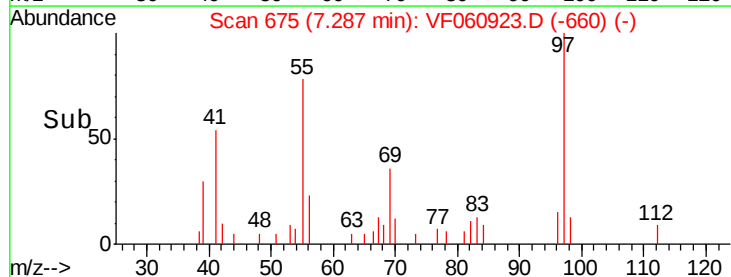
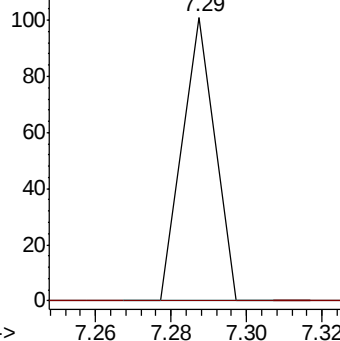


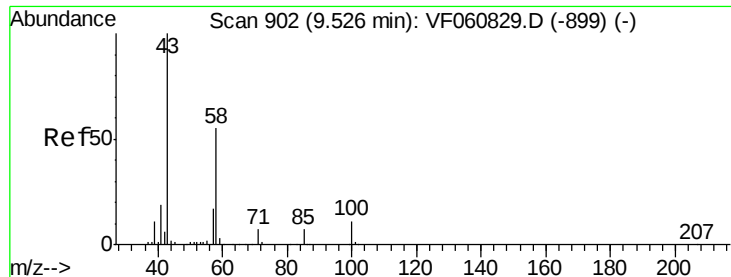
#58
 2-Chloroethyl Vinyl ether
 Concen: 34.680 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.05 min
 Lab File: VF060923.D
 Acq: 6 Dec 2018 18:06

Tgt Ion: 63 Resp: 60
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.0 34.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0
 Ion 106.00 (105.70 to 106.70): V

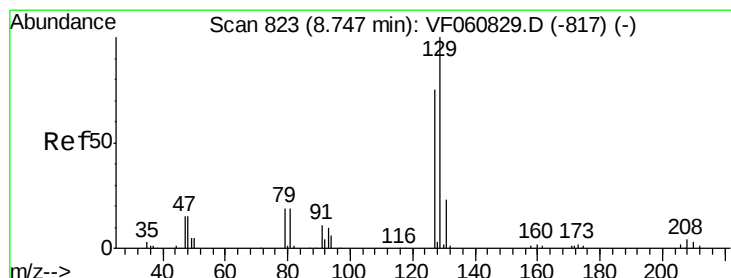
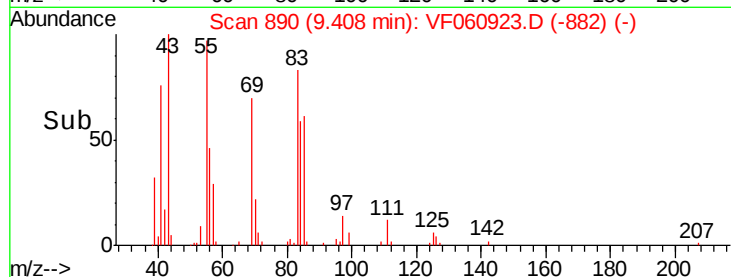
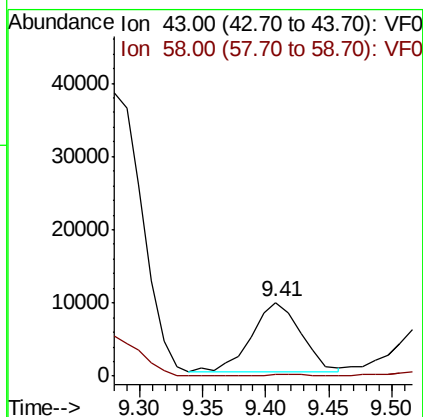
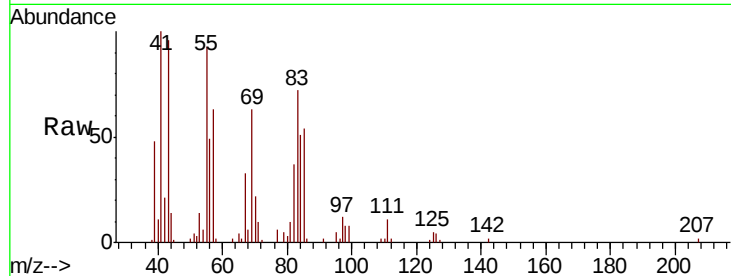




#59
2-Hexanone
Concen: 2900.337 ug/l
RT: 9.41 min Scan# 890
Delta R.T. -0.12 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

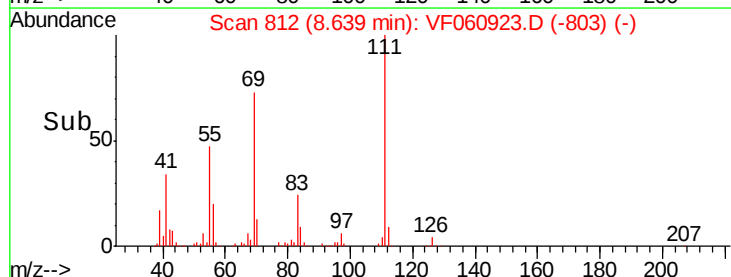
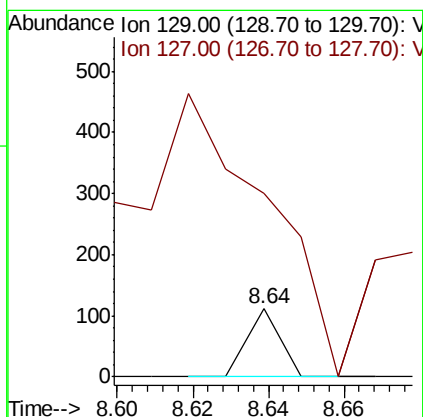
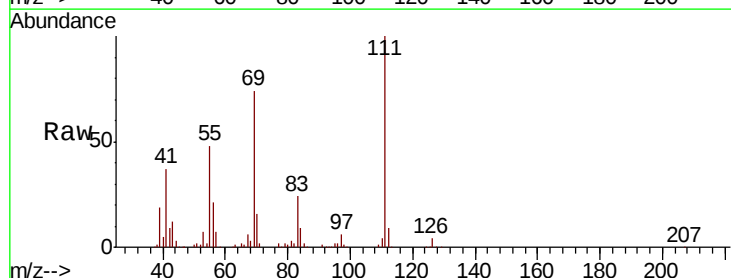
Instrument :
MSVOA_F
ClientSampleId :
4UST-BASE

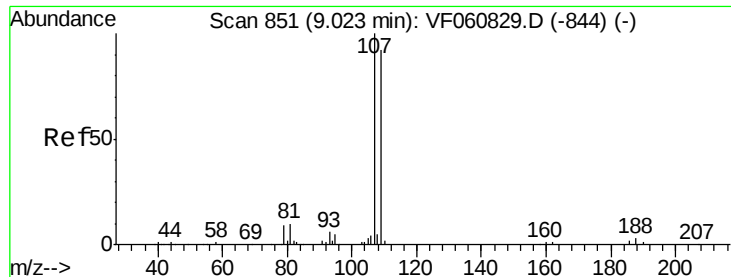
Tot Ion: 43 Resp: 25677
Ion Ratio Lower Upper
43 100
58 2.5 25.6 76.6#



#60
Dibromochloromethane
Concen: 2.909 ug/l
RT: 8.64 min Scan# 812
Delta R.T. -0.11 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

Tgt Ion: 129 Resp: 66
Ion Ratio Lower Upper
129 100
127 270.3 37.3 111.9#





#61

1,2-Dibromoethane

Concen: 4.256 ug/l

RT: 8.95 min Scan# 844

Delta R.T. -0.07 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

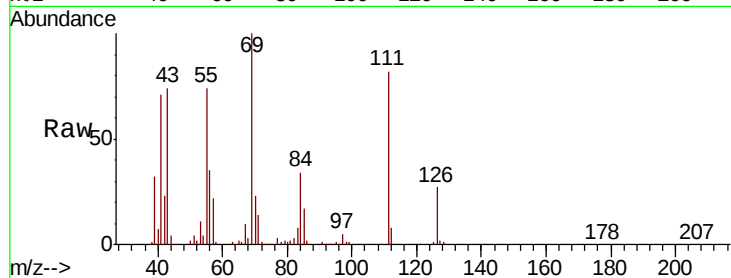
4UST-BASE

Tot Ion:107 Resp: 70

Ion Ratio Lower Upper

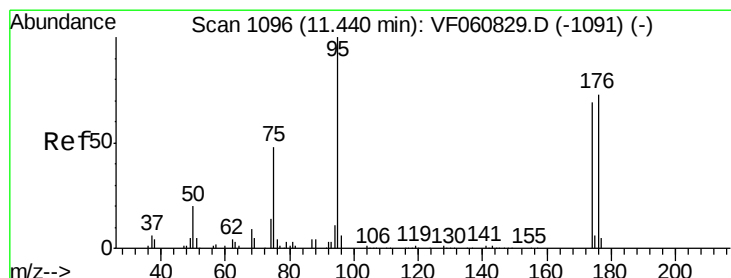
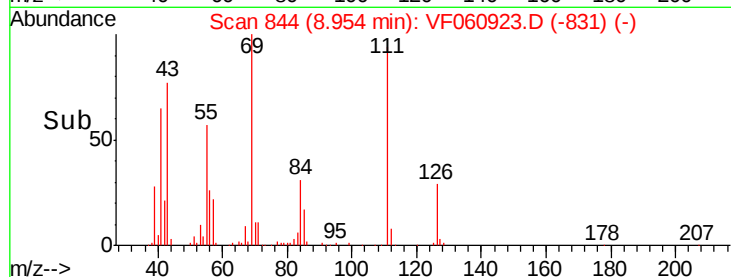
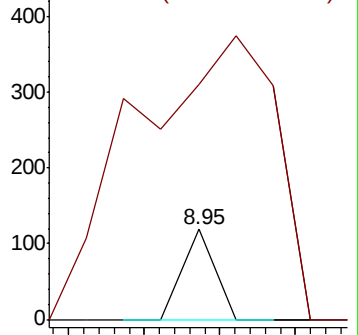
107 100

109 261.3 73.6 110.4#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 426.454 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.06 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

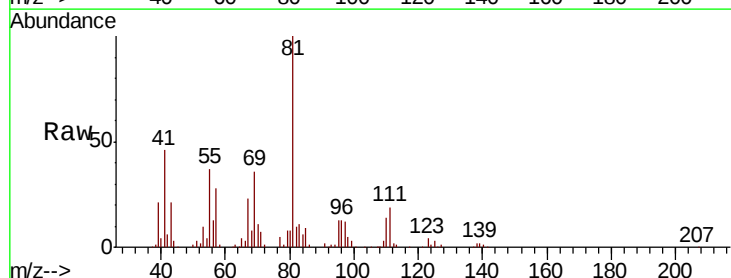
Tgt Ion: 95 Resp: 13751

Ion Ratio Lower Upper

95 100

174 0.0 0.0 138.2

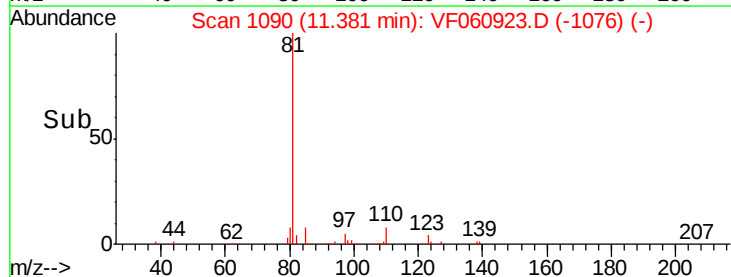
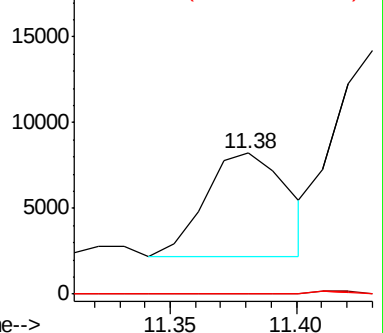
176 0.0 0.0 146.2

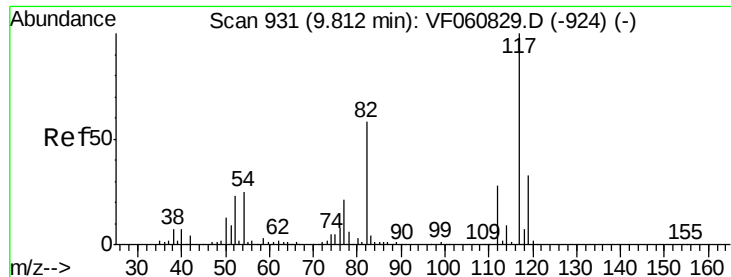


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

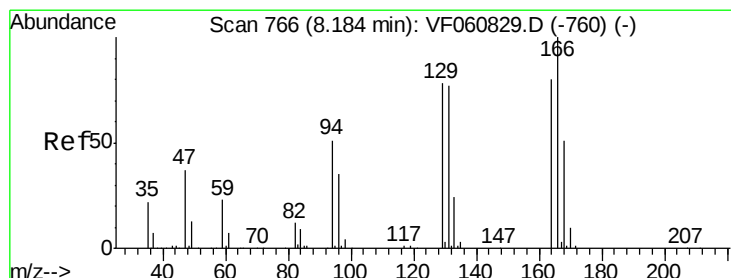
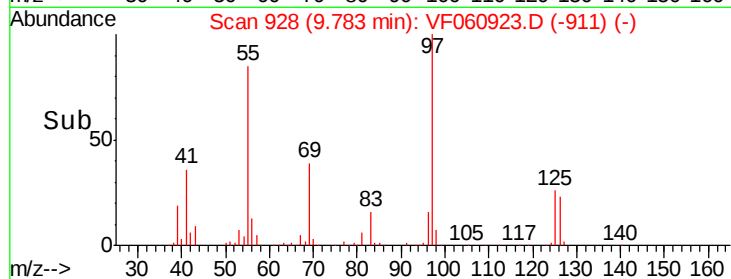
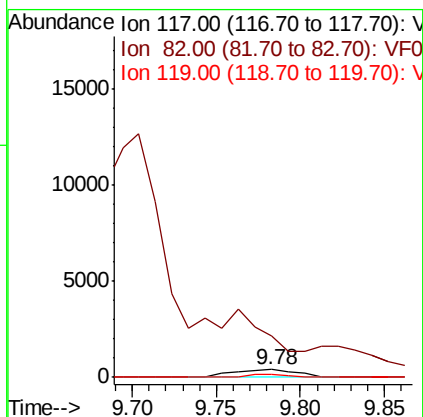
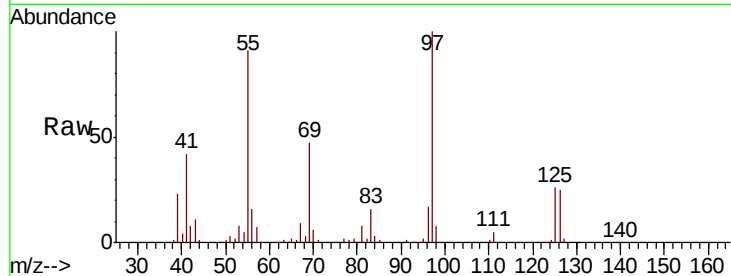




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

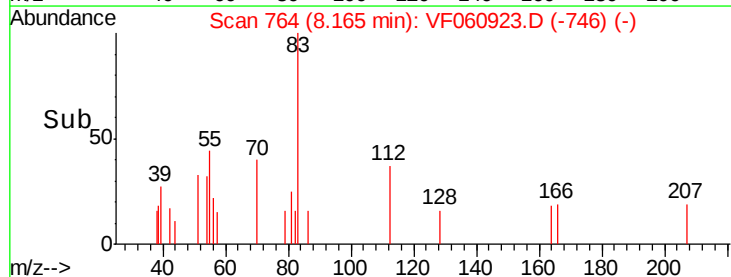
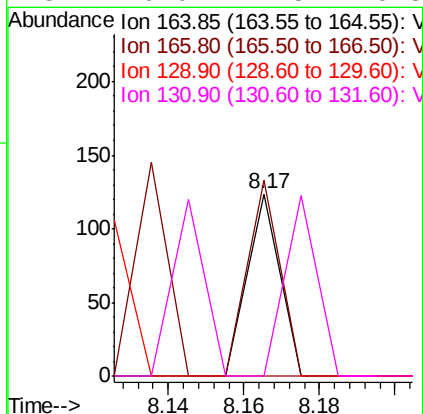
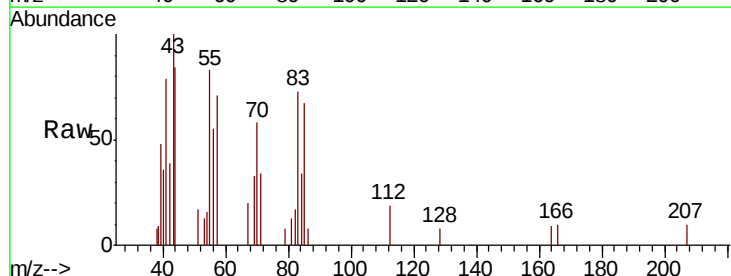
Instrument :
MSVOA_F
ClientSampleId :
4UST-BASE

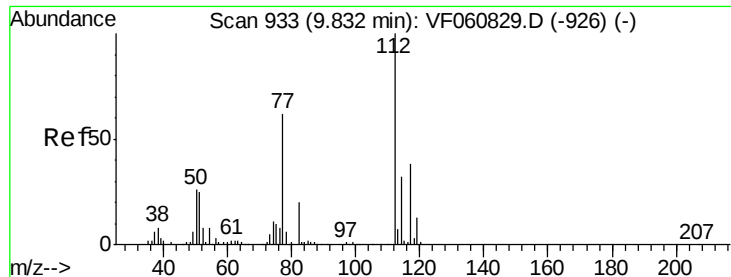
Tot Ion:117 Resp: 1042
Ion Ratio Lower Upper
117 100
82 534.8 46.6 69.8#
119 40.0 26.4 39.6#



#64
Tetrachloroethene
Concen: 9.172 ug/l
RT: 8.17 min Scan# 764
Delta R.T. -0.02 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

Tgt Ion:164 Resp: 73
Ion Ratio Lower Upper
164 100
166 107.3 100.3 150.5
129 0.0 77.9 116.9#
131 0.0 77.5 116.3#

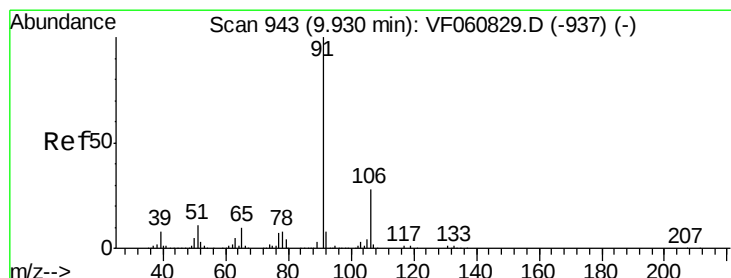
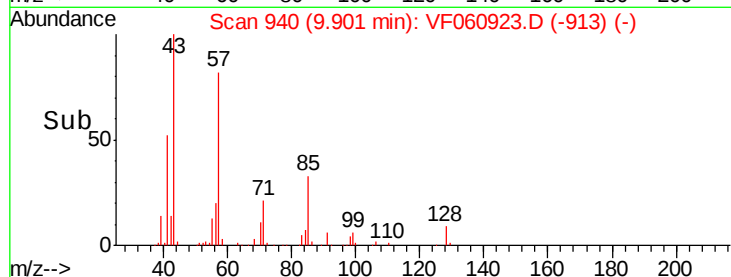
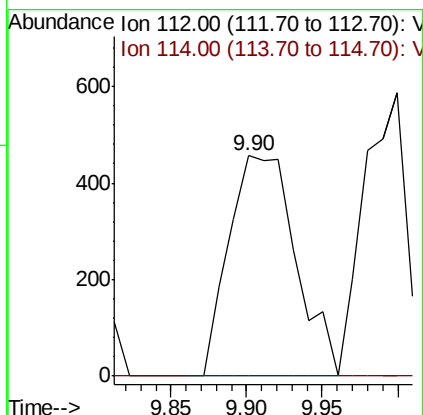
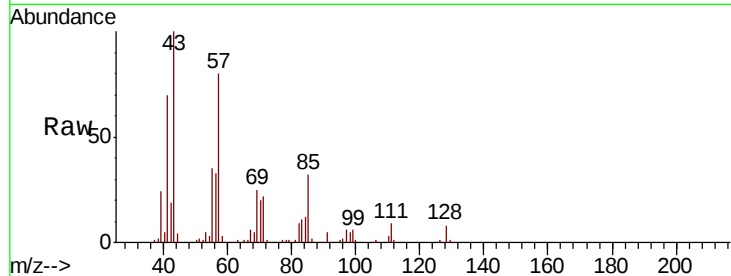




#65
Chlorobenzene
Concen: 69.262 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.07 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

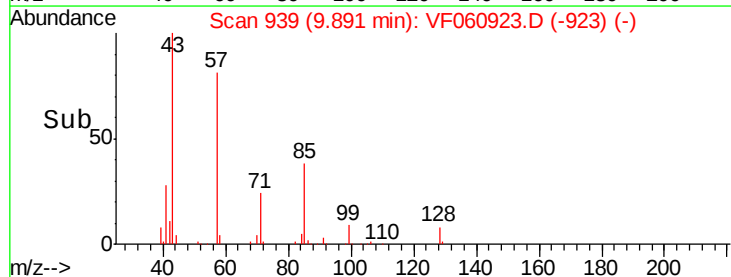
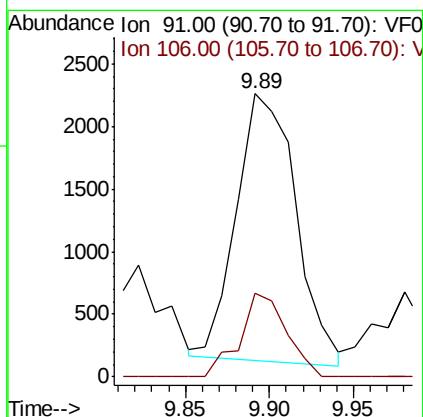
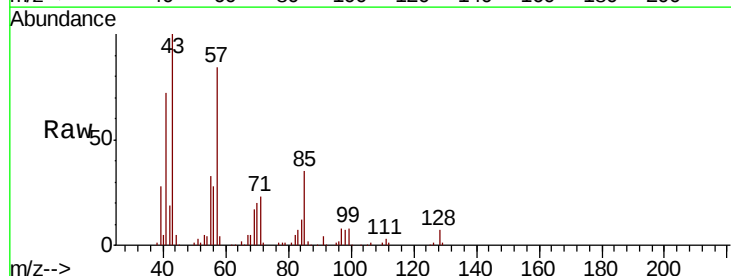
Instrument :
MSVOA_F
ClientSampleId :
4UST-BASE

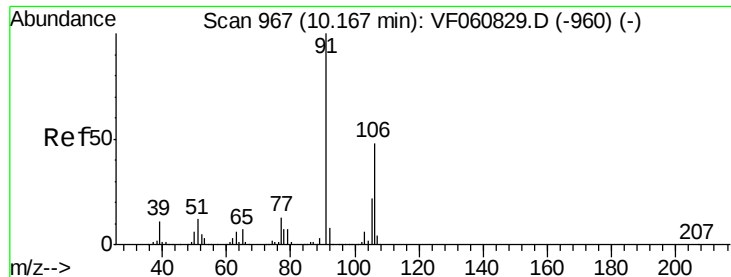
Tot Ion:112 Resp: 1404
Ion Ratio Lower Upper
112 100
114 0.0 26.0 39.0#



#67
Ethyl Benzene
Concen: 138.798 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.04 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

Tgt Ion: 91 Resp: 5238
Ion Ratio Lower Upper
91 100
106 29.5 22.2 33.2





#68

m/p-Xvlenes

Concen: 2157.157 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.04 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

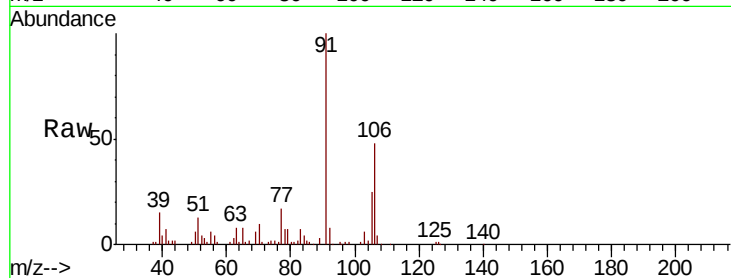
4UST-BASE

Tot Ion:106 Resp: 29279

Ion Ratio Lower Upper

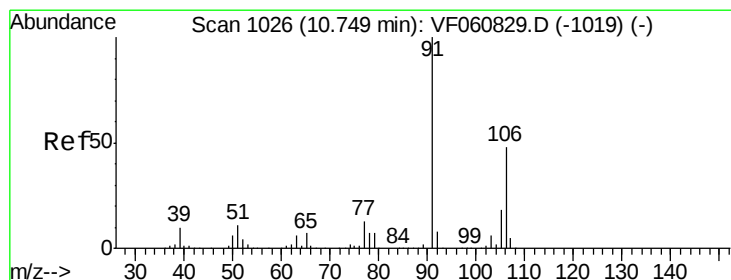
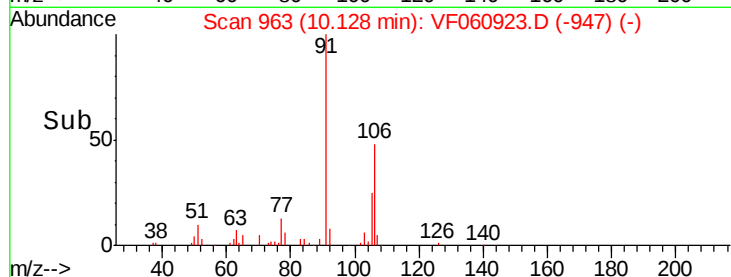
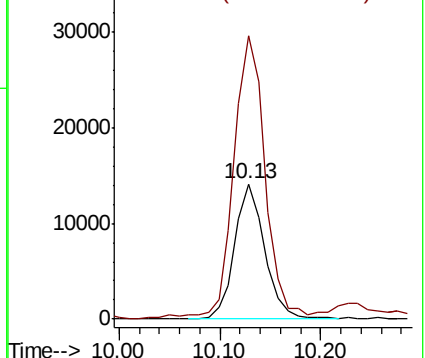
106 100

91 209.8 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 871.247 ug/l

RT: 10.71 min Scan# 1022

Delta R.T. -0.04 min

Lab File: VF060923.D

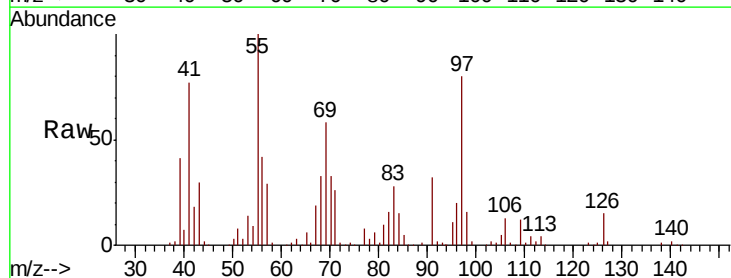
Acq: 6 Dec 2018 18:06

Tgt Ion:106 Resp: 13040

Ion Ratio Lower Upper

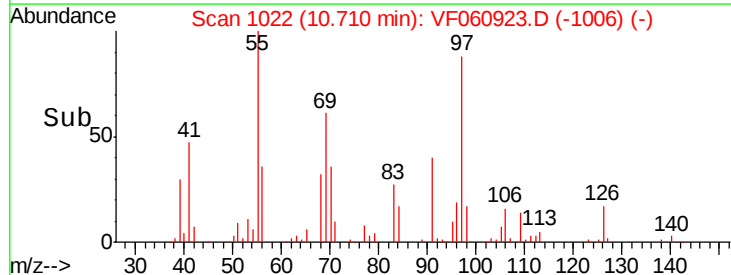
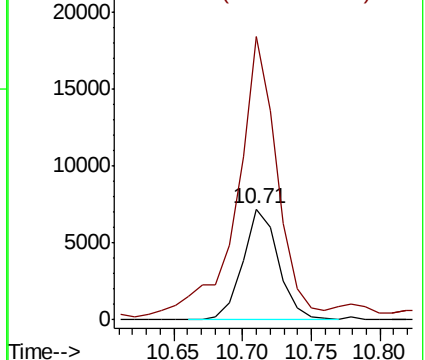
106 100

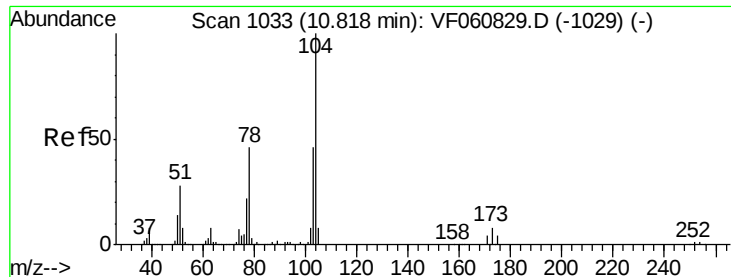
91 255.2 104.8 314.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

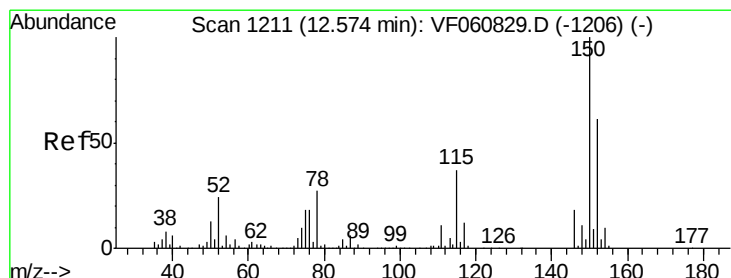
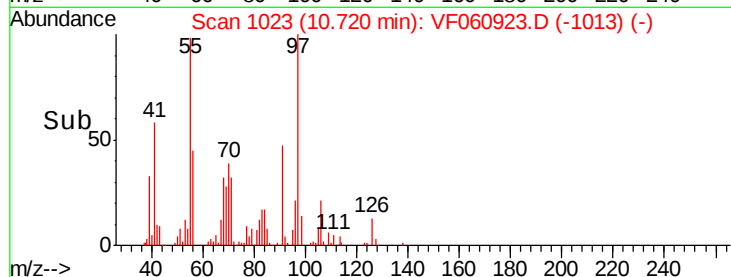
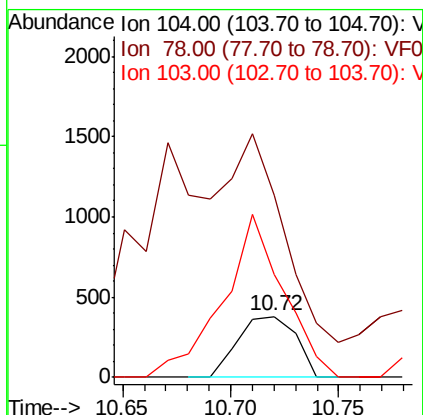
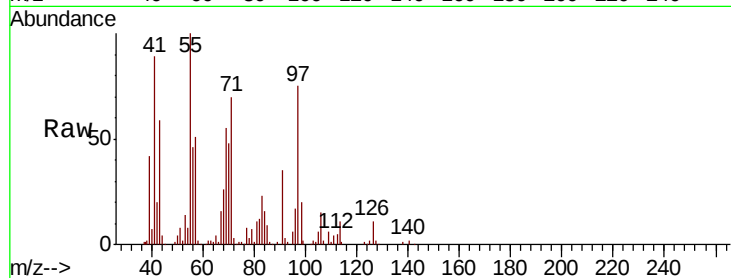




#70
Stvrene
Concen: 33.884 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.10 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

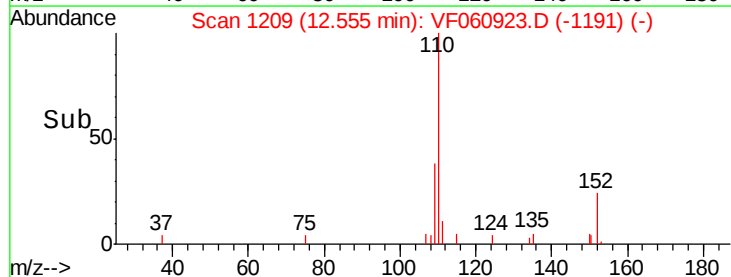
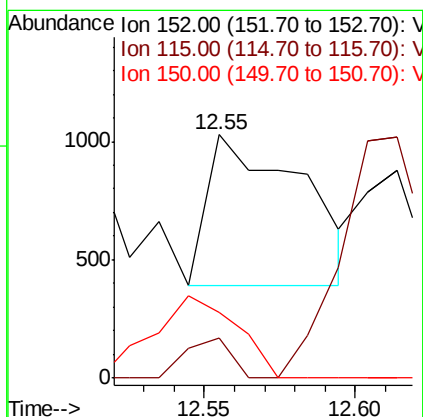
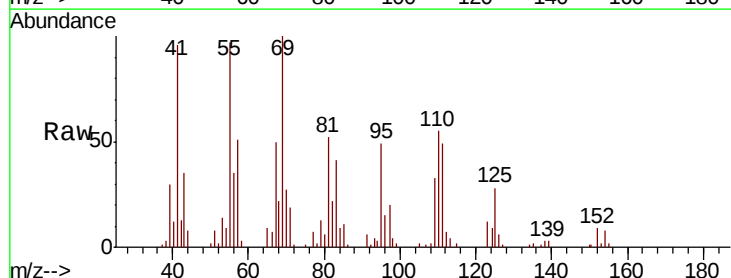
Instrument :
MSVOA_F
ClientSampleId :
4UST-BASE

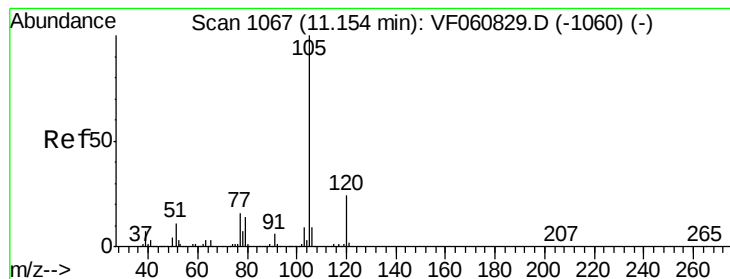
Tot Ion:104 Resp: 703
Ion Ratio Lower Upper
104 100
78 300.5 37.3 55.9#
103 168.5 36.8 55.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

Tgt Ion:152 Resp: 1368
Ion Ratio Lower Upper
152 100
115 16.4 30.1 90.5#
150 26.7 0.0 327.6





#73

Isopropylbenzene

Concen: 720.129 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

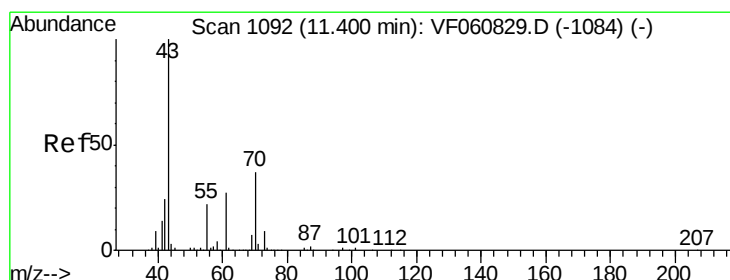
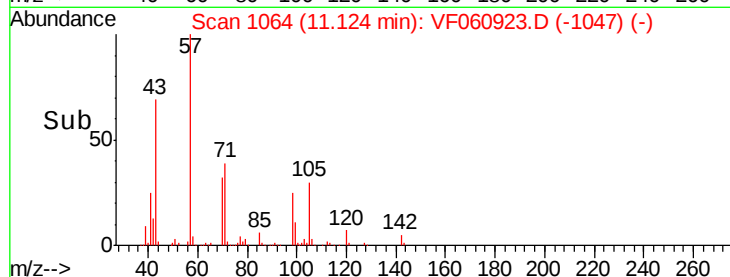
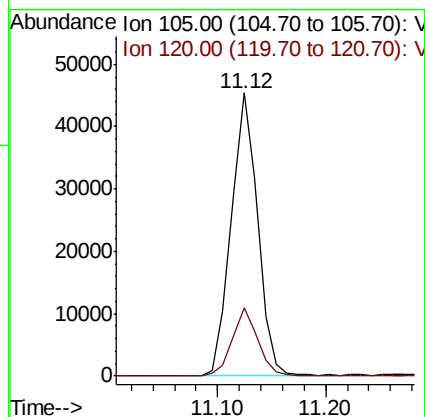
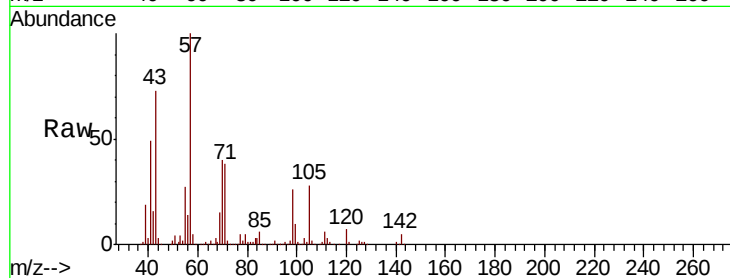
4UST-BASE

Tot Ion:105 Resp: 77851

Ion Ratio Lower Upper

105 100

120 24.0 12.2 36.4



#74

N-ethyl acetate

Concen: 1757.649 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Tgt Ion: 43 Resp: 43877

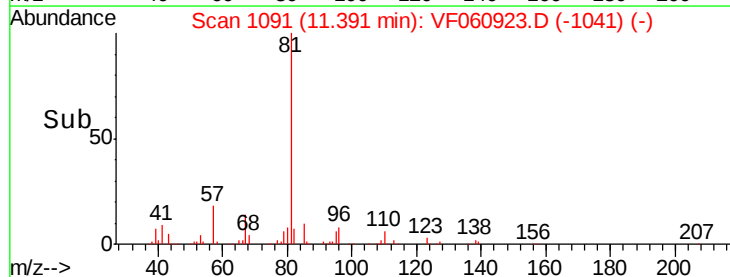
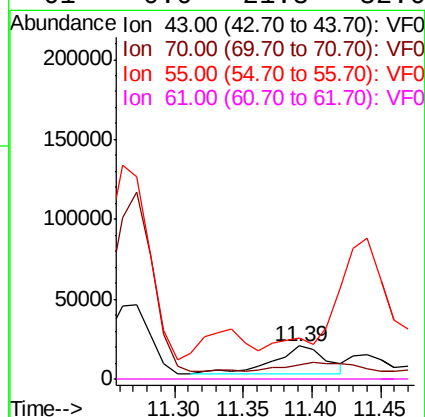
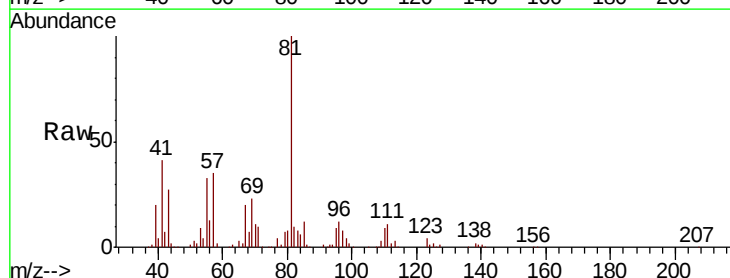
Ion Ratio Lower Upper

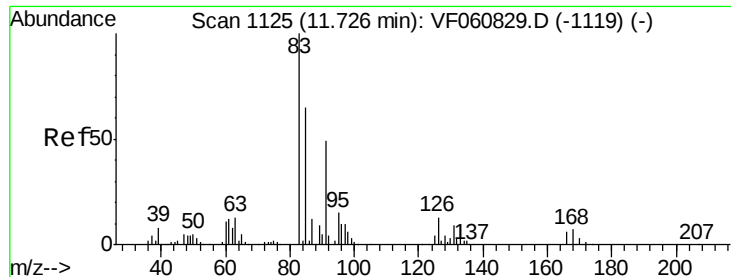
43 100

70 41.7 29.6 44.4

55 122.6 17.2 25.8#

61 0.0 21.8 32.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 865.837 ug/l

RT: 11.77 min Scan# 1129

Delta R.T. 0.04 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

4UST-BASE

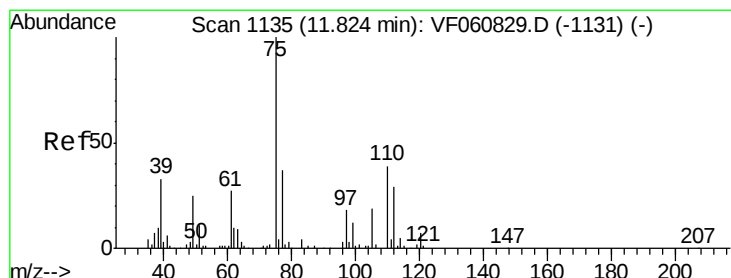
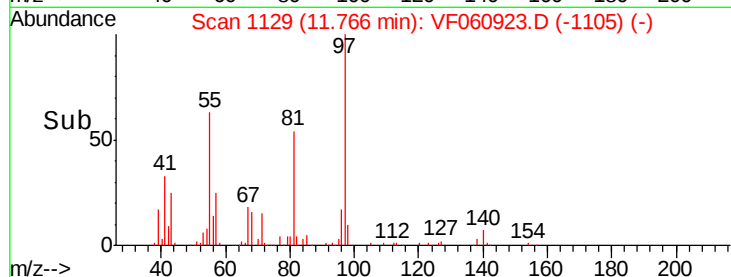
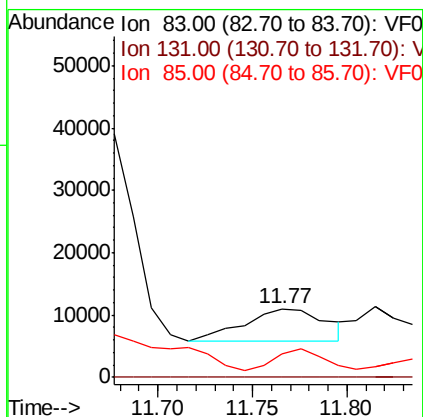
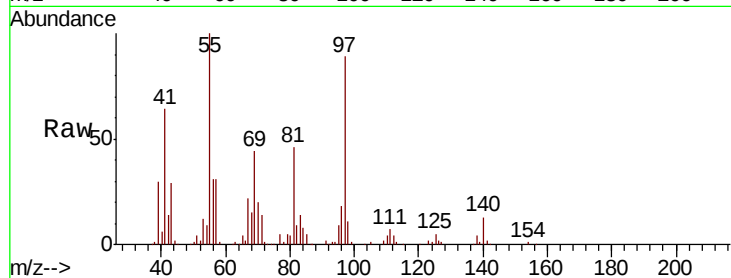
Tot Ion: 83 Resp: 15405

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 34.6 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 57.221 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF060923.D

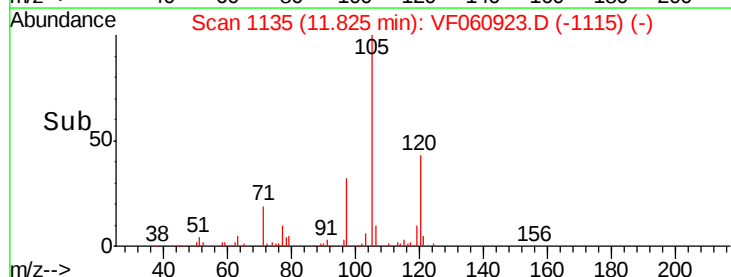
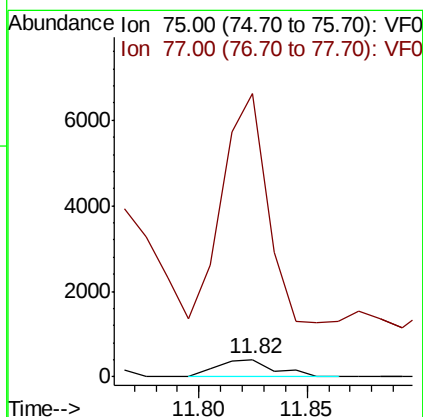
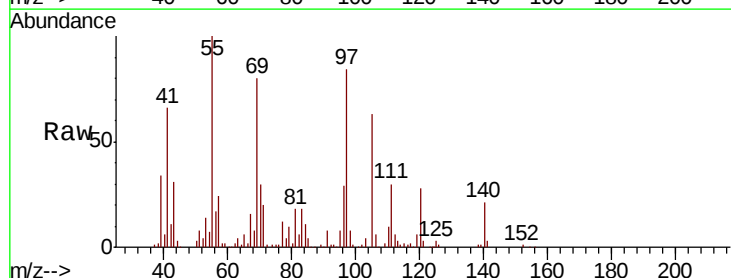
Acq: 6 Dec 2018 18:06

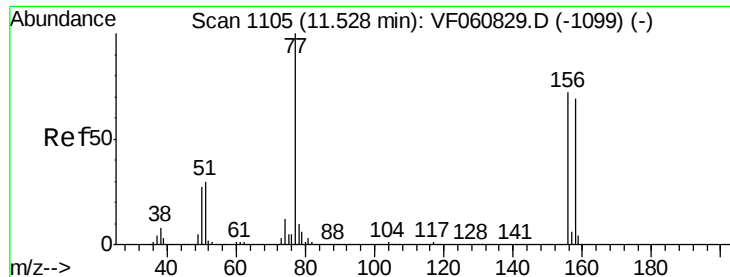
Tgt Ion: 75 Resp: 740

Ion Ratio Lower Upper

75 100

77 1590.4 18.4 55.4#





#77

Bromobenzene

Concen: 3.755 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.08 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

4UST-BASE

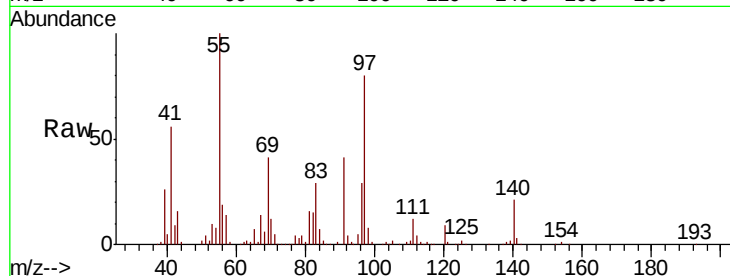
Tot Ion:156 Resp: 89

Ion Ratio Lower Upper

156 100

77 3275.3 69.7 209.0#

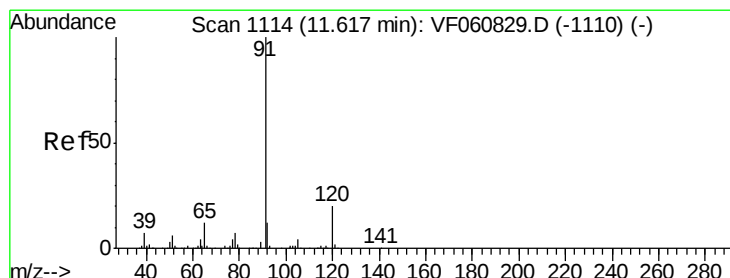
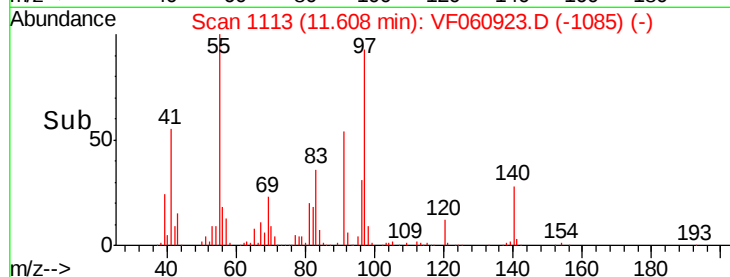
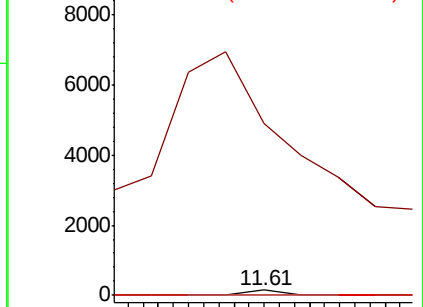
158 0.0 47.8 143.4#



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: 1365.303 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF060923.D

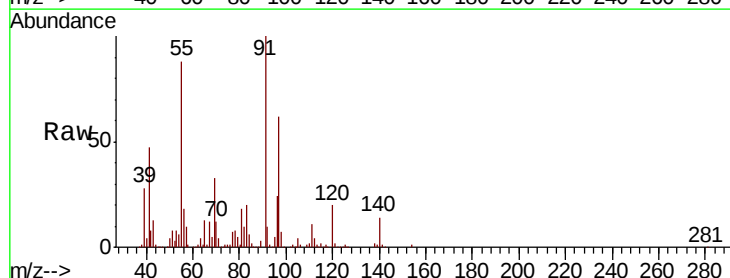
Acq: 6 Dec 2018 18:06

Tgt Ion: 91 Resp: 172849

Ion Ratio Lower Upper

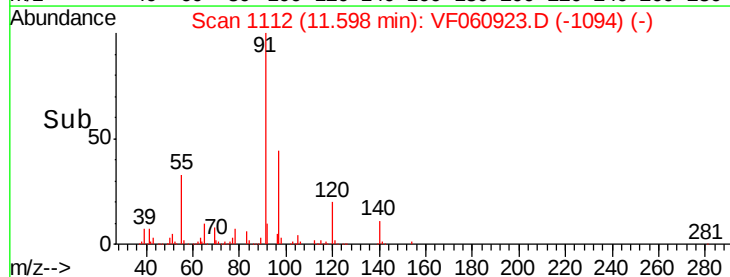
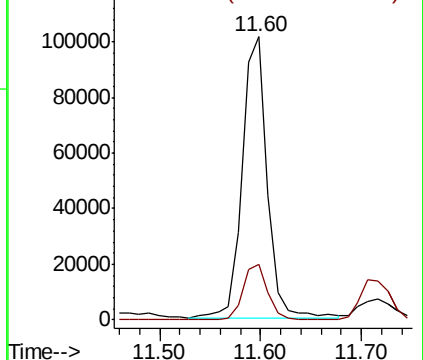
91 100

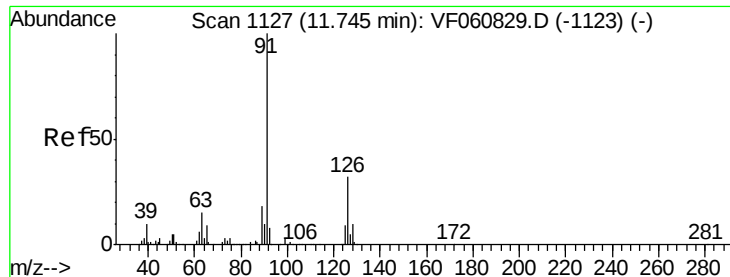
120 19.6 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

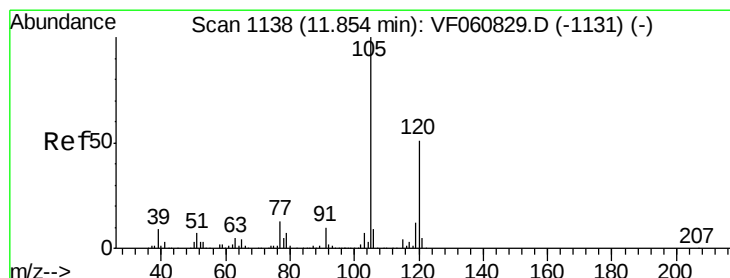
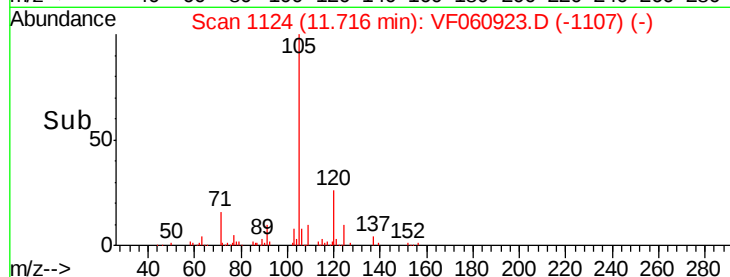
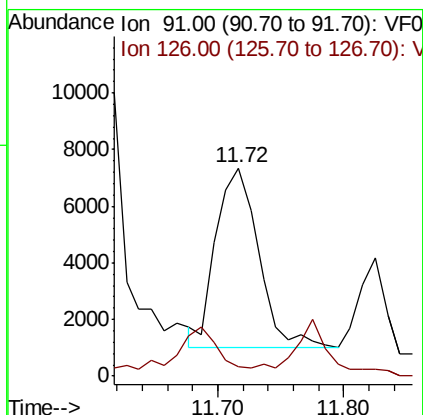
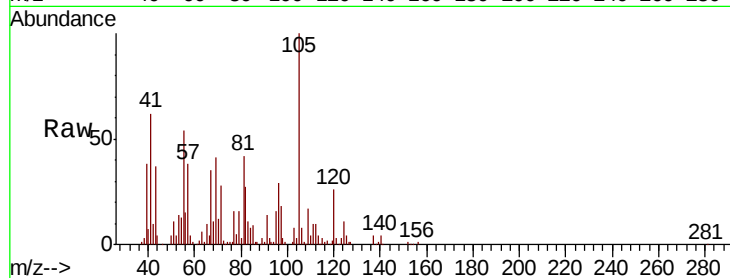




#79
 2-Chlorotoluene
 Concen: 206.346 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.03 min
 Lab File: VF060923.D
 Acq: 6 Dec 2018 18:06

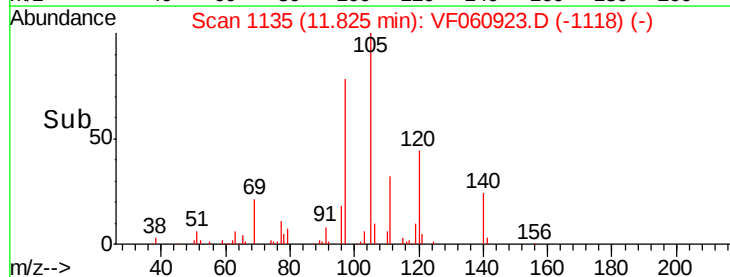
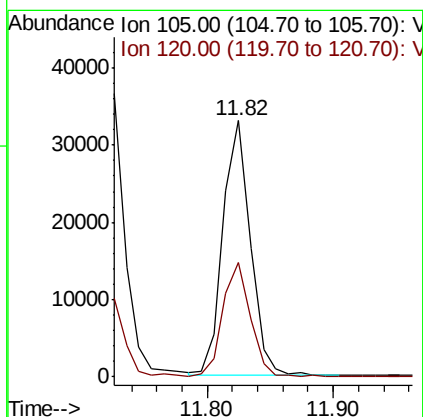
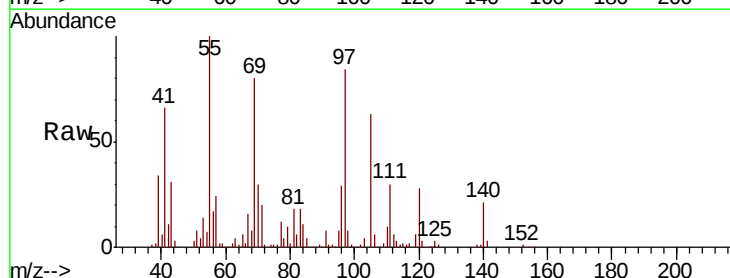
Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-BASE

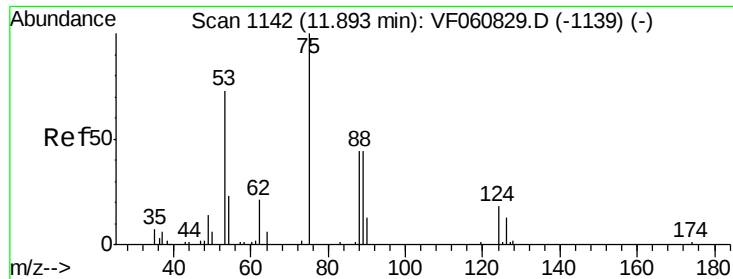
Tot Ion: 91 Resp: 14979
 Ion Ratio Lower Upper
 91 100
 126 4.5 15.9 47.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 568.578 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.03 min
 Lab File: VF060923.D
 Acq: 6 Dec 2018 18:06

Tgt Ion: 105 Resp: 49900
 Ion Ratio Lower Upper
 105 100
 120 44.6 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 116.786 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.07 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

4UST-BASE

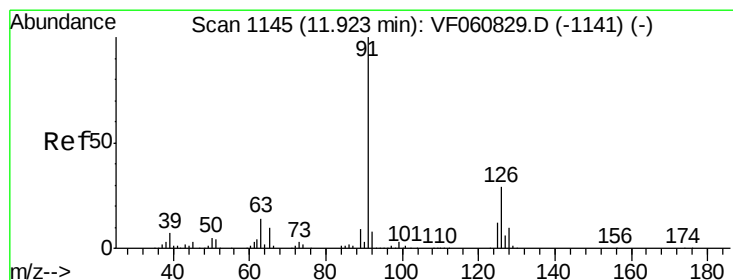
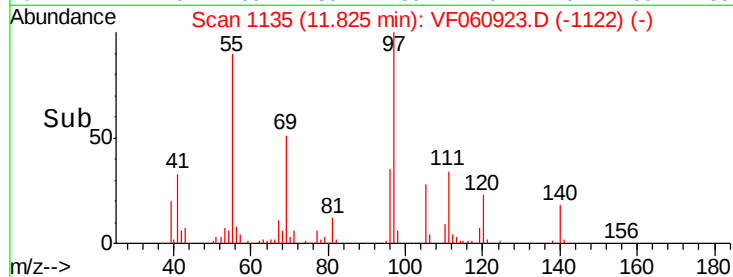
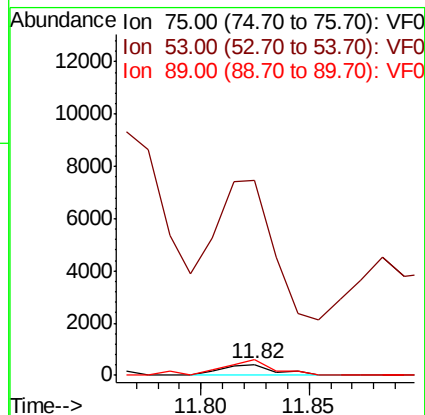
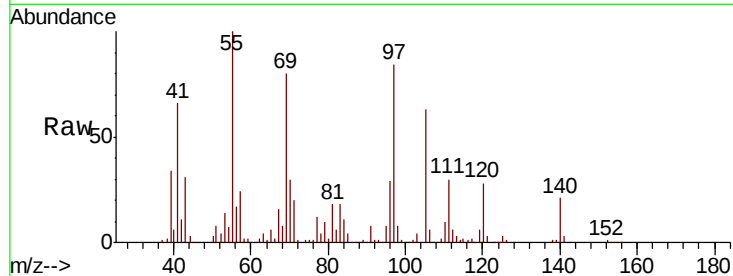
Tot Ion: 75 Resp: 740

Ion Ratio Lower Upper

75 100

53 1799.5 65.9 98.9#

89 145.9 38.8 58.2#



#82

4-Chlorotoluene

Concen: 138.022 ug/l

RT: 12.01 min Scan# 1154

Delta R.T. 0.09 min

Lab File: VF060923.D

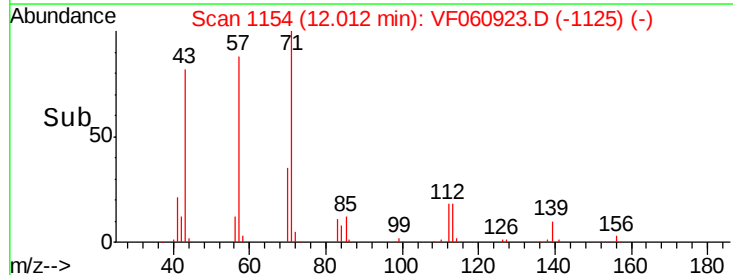
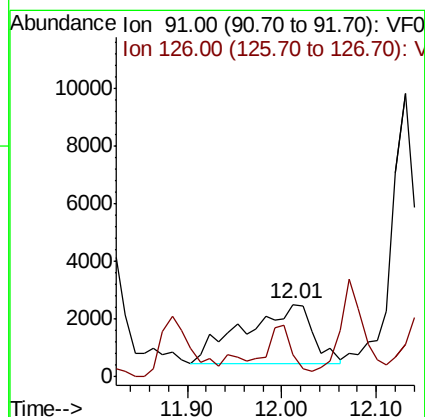
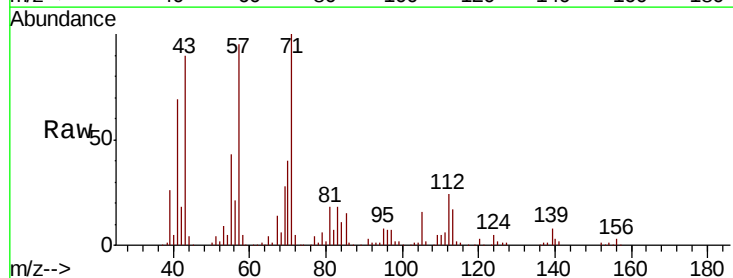
Acq: 6 Dec 2018 18:06

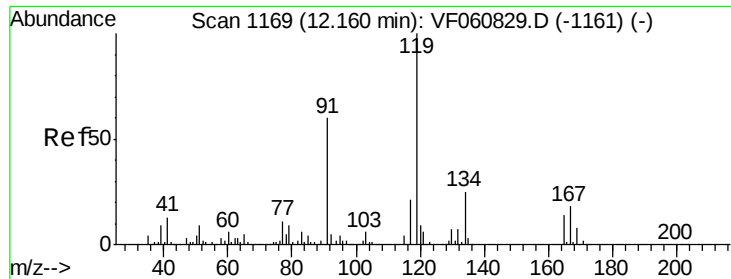
Tgt Ion: 91 Resp: 10544

Ion Ratio Lower Upper

91 100

126 30.4 14.8 44.4





#83

tert-Butylbenzene

Concen: 201.582 ug/l

RT: 12.13 min Scan# 1166

Delta R.T. -0.03 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

4UST-BASE

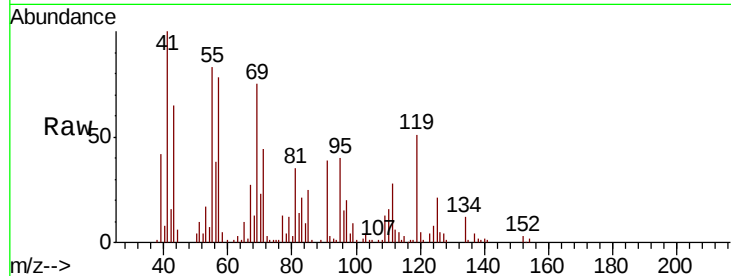
Tot Ion:119 Resp: 18021

Ion Ratio Lower Upper

119 100

91 76.2 30.1 90.3

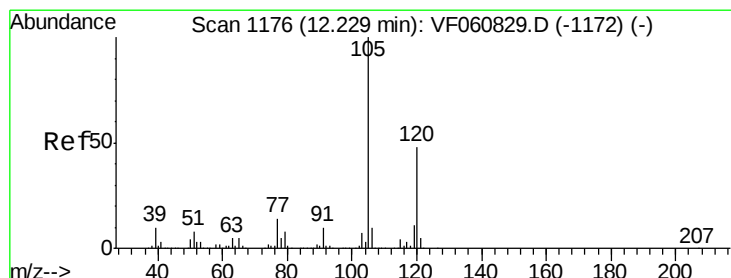
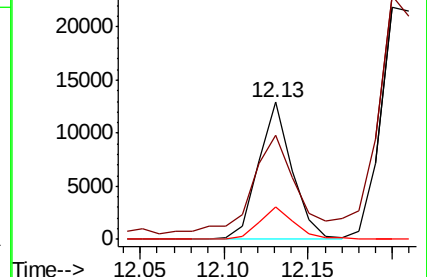
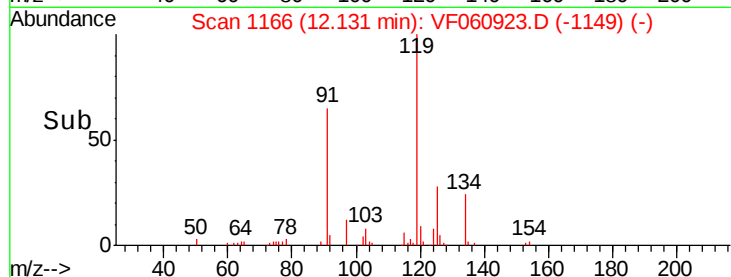
134 23.6 12.6 37.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 3510.554 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.03 min

Lab File: VF060923.D

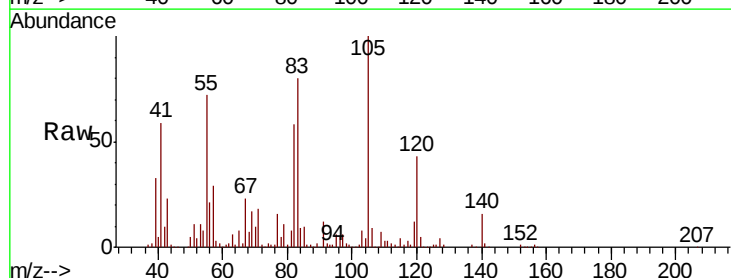
Acq: 6 Dec 2018 18:06

Tgt Ion:105 Resp: 307487

Ion Ratio Lower Upper

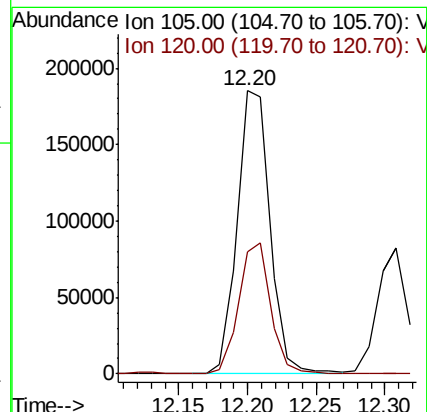
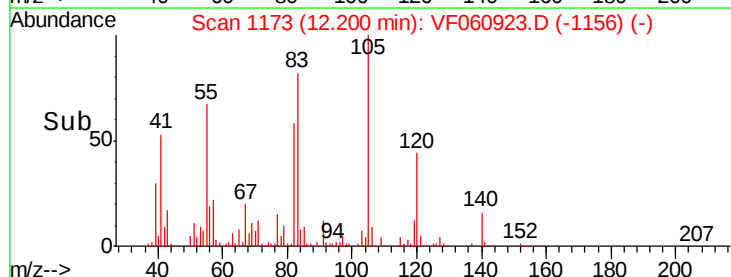
105 100

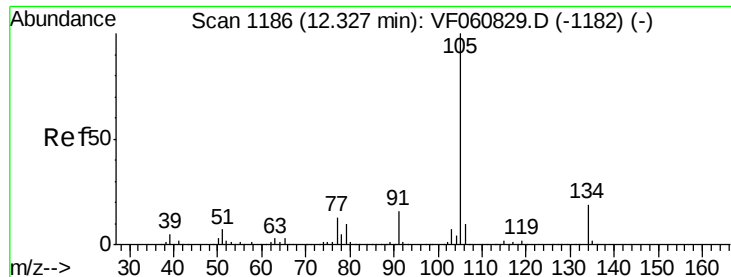
120 43.4 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

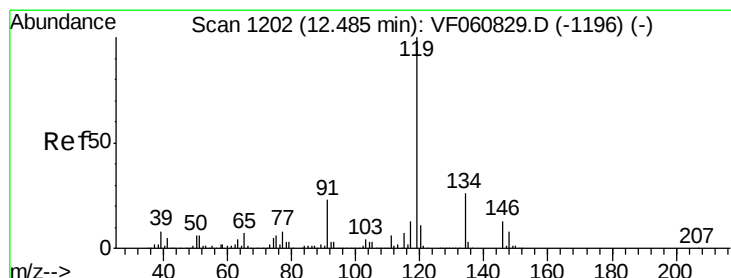
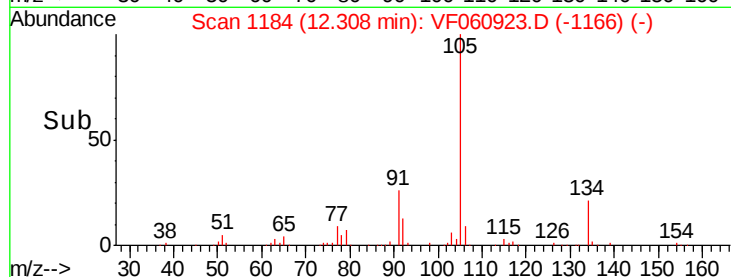
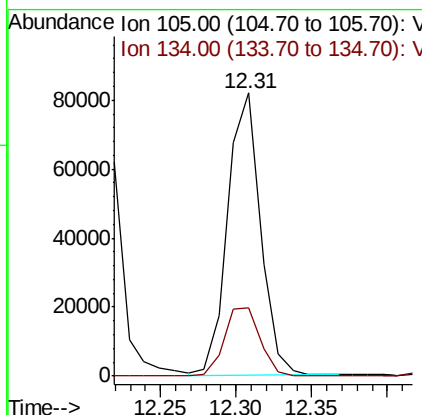
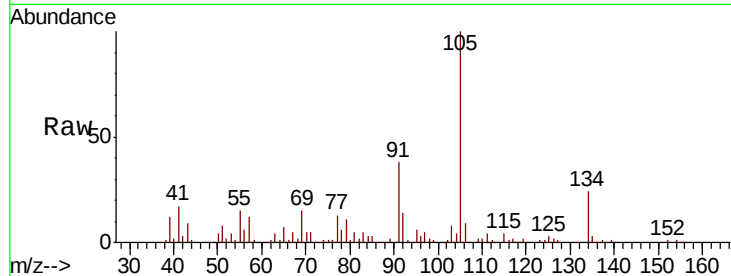




#85
 sec-Butylbenzene
 Concen: 1005.090 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VF060923.D
 Acq: 6 Dec 2018 18:06

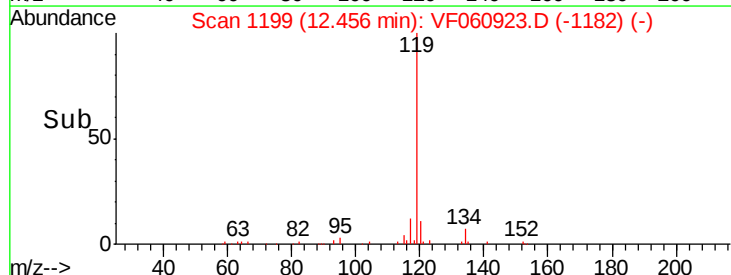
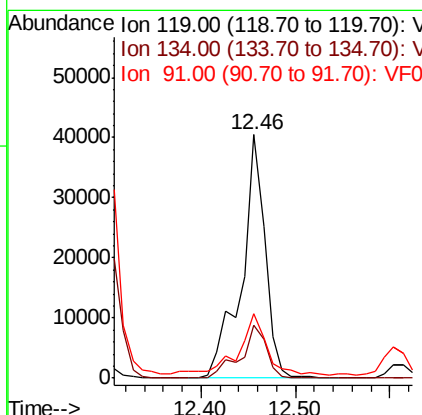
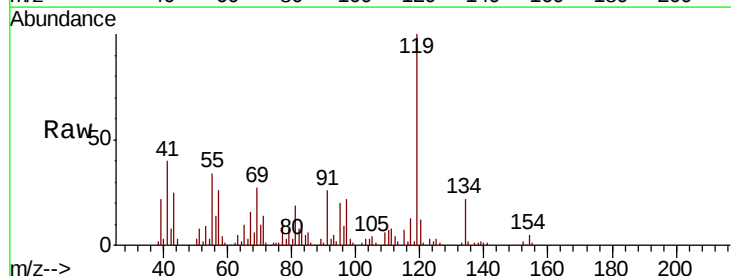
Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-BASE

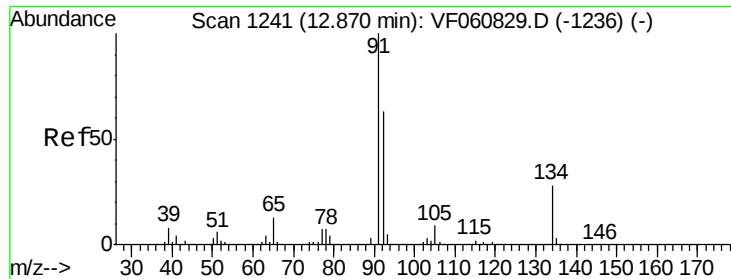
Tot Ion:105 Resp: 123003
 Ion Ratio Lower Upper
 105 100
 134 24.2 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 681.414 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF060923.D
 Acq: 6 Dec 2018 18:06

Tgt Ion:119 Resp: 69915
 Ion Ratio Lower Upper
 119 100
 134 21.8 12.9 38.6
 91 26.2 11.8 35.3

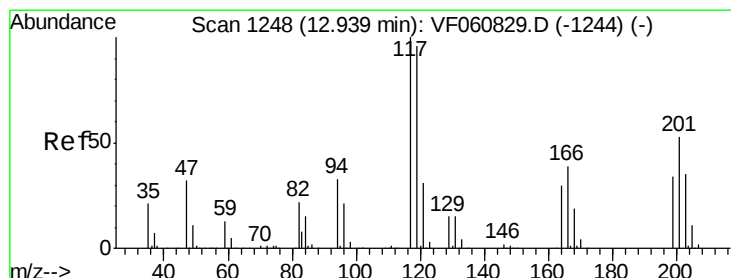
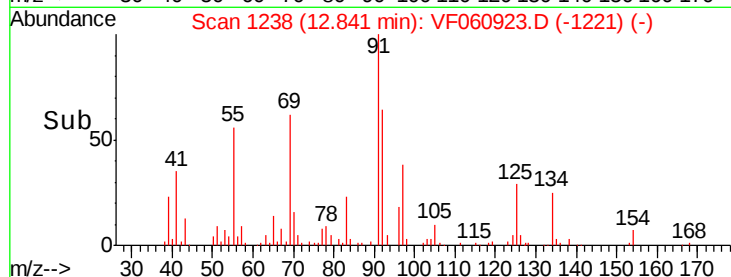
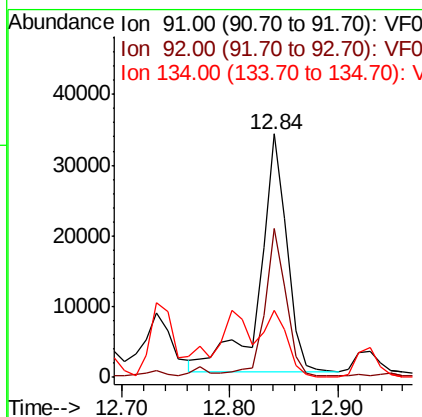
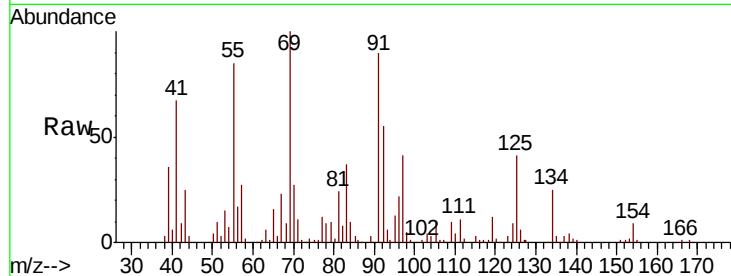




#89
n-Butylbenzene
Concen: 565.619 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

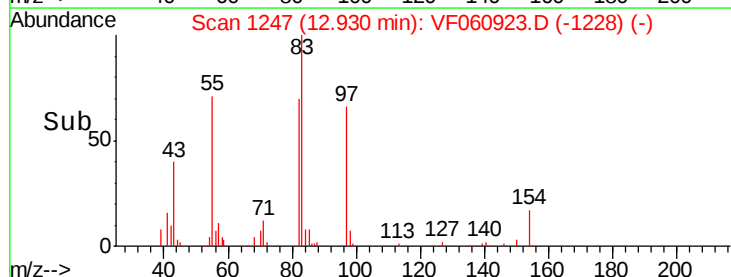
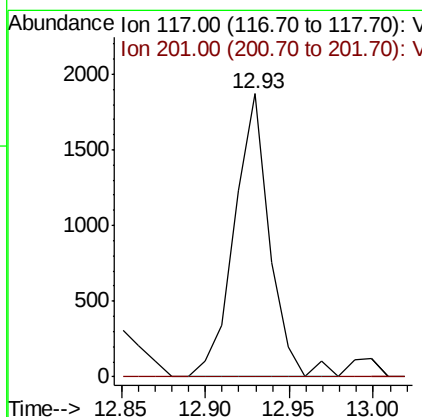
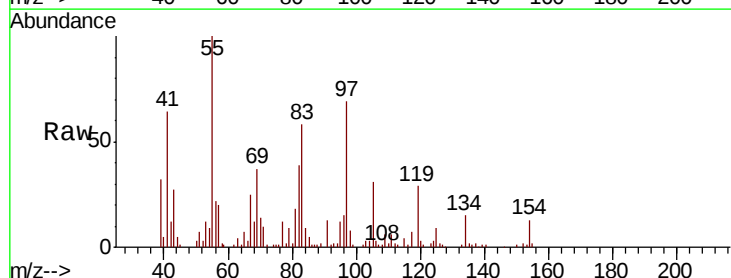
Instrument :
MSVOA_F
ClientSampleId :
4UST-BASE

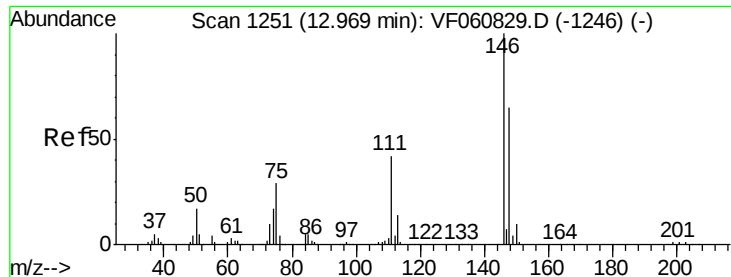
Tot Ion: 91 Resp: 58682
Ion Ratio Lower Upper
91 100
92 61.1 31.6 94.7
134 27.4 13.8 41.4



#90
Hexachloroethane
Concen: 110.536 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060923.D
Acq: 6 Dec 2018 18:06

Tgt Ion: 117 Resp: 2731
Ion Ratio Lower Upper
117 100
201 0.0 26.7 80.1#





#91

1,2-Dichlorobenzene

Concen: 1.616 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.04 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

4UST-BASE

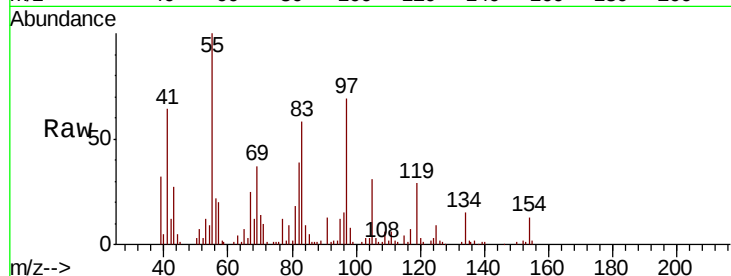
Tot Ion:146 Resp: 69

Ion Ratio Lower Upper

146 100

111 1418.8 21.2 63.6#

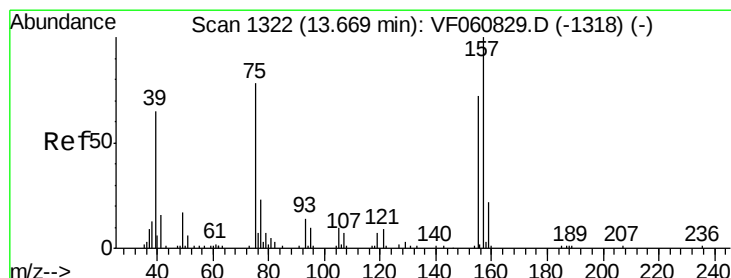
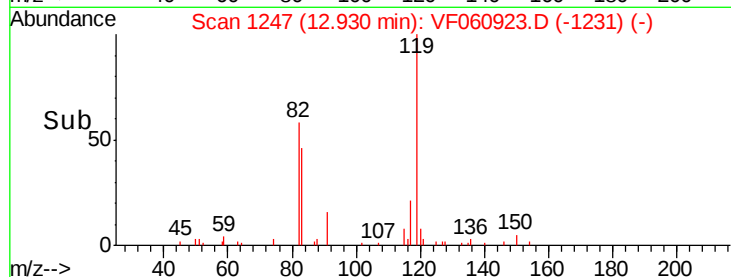
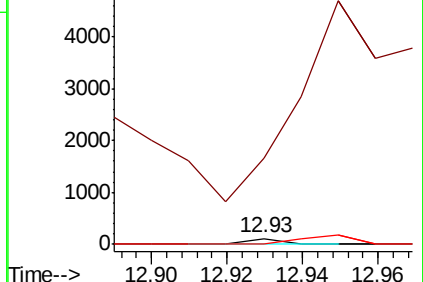
148 0.0 32.5 97.5#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.350 ug/l

RT: 13.58 min Scan# 1313

Delta R.T. -0.09 min

Lab File: VF060923.D

Acq: 6 Dec 2018 18:06

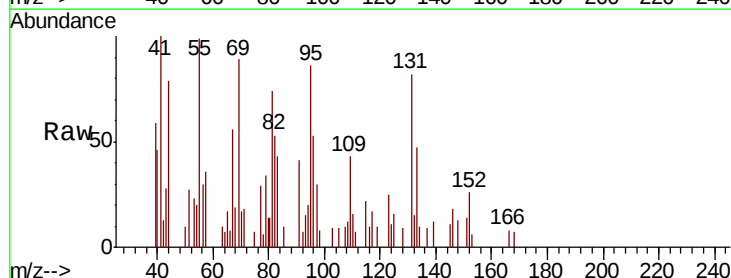
Tgt Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

155 0.0 45.6 136.9#

157 0.0 63.8 191.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

