

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060922.D
 Acq On : 6 Dec 2018 17:35
 Operator : VA/AP
 Sample : J6248-06
 Misc : 5.21g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-SW-6

Quant Time: Dec 06 18:21:39 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	4.88	168	76	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	431	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	239	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.50	152	77	50.00	ug/l	-0.07

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.76	65	73	81.54	ug/l	-0.12
Spiked Amount	50.000		Recovery	=	163.08%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.56	98	947	94.02	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	188.04%	
62) 4-Bromofluorobenzene	11.38	95	3089	674.81	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	1349.62%	

Target Compounds						Qvalue
3) Chloromethane	1.09	50	294	397.594	ug/l #	41
4) Vinyl Chloride	1.24	62	66	95.688	ug/l #	1
5) Bromomethane	1.35	94	329	676.453	ug/l #	2
6) Chloroethane	1.24	64	87	291.798	ug/l #	40
8) Diethyl Ether	1.70	74	158	742.459	ug/l	63
11) Tert butyl alcohol	2.54	59	62	1689.338	ug/l #	1
12) 1,1-Dichloroethene	1.82	96	276	458.645	ug/l #	1
13) Acrolein	1.92	56	413	11877.119	ug/l	91
14) Allyl chloride	2.10	41	308	410.638	ug/l #	36
15) Acrylonitrile	2.94	53	684	8313.062	ug/l #	55
16) Acetone	2.21	43	393	2380.382	ug/l	99
17) Carbon Disulfide	1.69	76	73	45.243	ug/l #	68
18) Methyl Acetate	2.37	43	1260	4702.634	ug/l #	61
19) Methyl tert-butyl Ether	2.41	73	89	65.665	ug/l #	58
20) Methylene Chloride	2.33	84	78	128.781	ug/l #	2
21) trans-1,2-Dichloroethene	2.33	96	143	246.485	ug/l #	43
22) Diisopropyl ether	2.82	45	174	85.225	ug/l #	1
23) Vinyl Acetate	3.19	43	473	506.827	ug/l #	80
24) 1,1-Dichloroethane	2.93	63	232	190.993	ug/l #	86
25) 2-Butanone	4.35	43	98	343.180	ug/l #	57
26) 2,2-Dichloropropane	3.58	77	181	229.840	ug/l #	60
27) cis-1,2-Dichloroethene	3.50	96	64	67.761	ug/l	1
29) Tetrahydrofuran	4.10	42	65	536.984	ug/l #	37
30) Chloroform	3.90	83	66	35.304	ug/l #	17
31) Cyclohexane	3.71	56	77	61.080	ug/l #	83
37) Ethyl Acetate	4.11	43	416	214.138	ug/l #	14
40) Benzene	4.70	78	63	5.965	ug/l #	52
41) Methacrylonitrile	4.76	41	144	151.003	ug/l #	47
43) Isopropyl Acetate	6.96	43	349	151.104	ug/l #	49
47) Bromodichloromethane	6.42	83	62	12.546	ug/l #	25
48) Methyl methacrylate	6.72	41	227	129.090	ug/l #	18
51) 4-Methyl-2-Pentanone	8.28	43	25240	14089.111	ug/l #	42
53) t-1,3-Dichloropropene	8.30	75	88	21.892	ug/l #	40
55) 1,1,2-Trichloroethane	8.39	97	1926	891.010	ug/l #	50

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

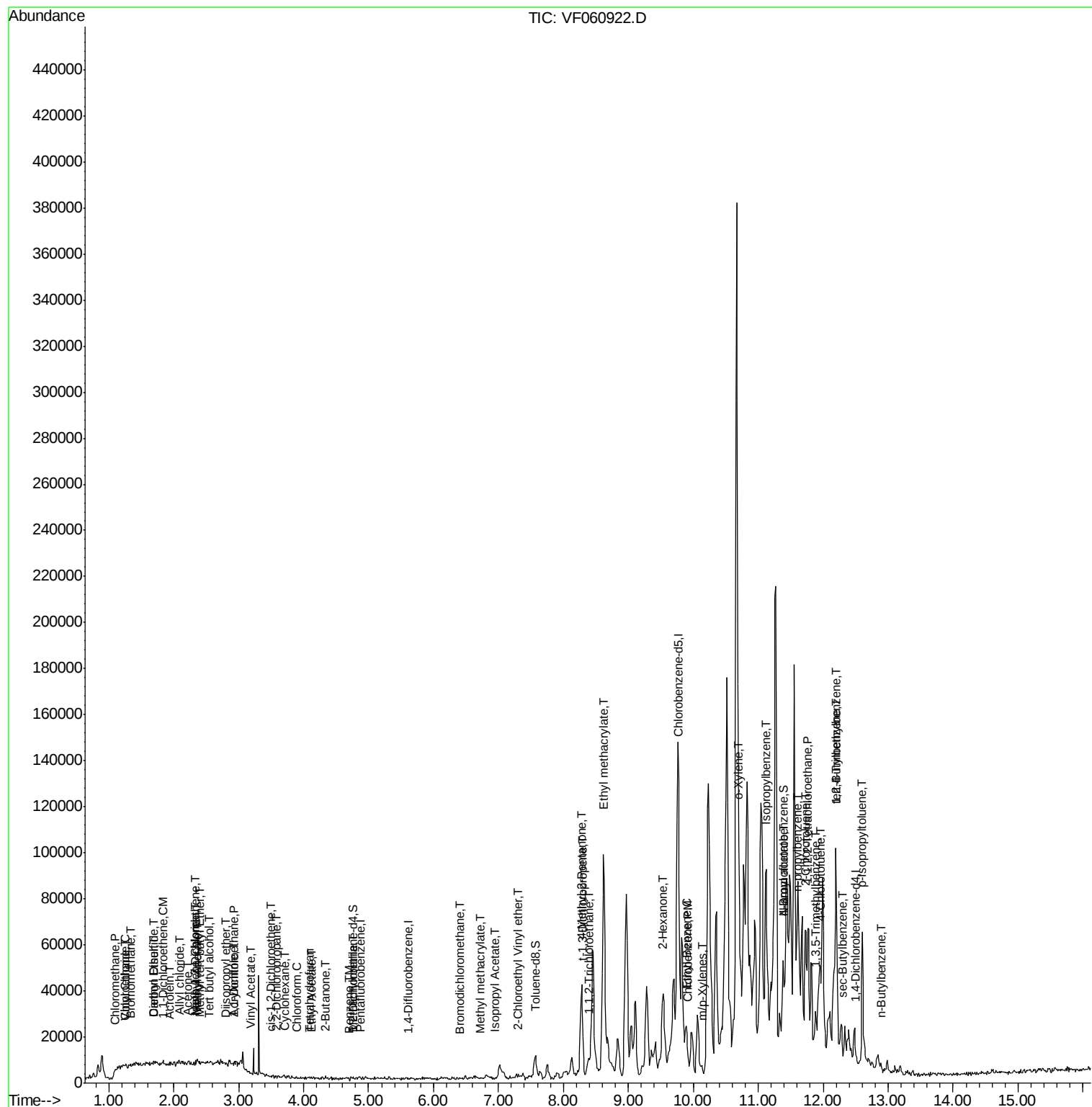
56) Ethyl methacrylate	8.62	69	50270	20934.889	ug/l #	74
58) 2-Chloroethyl Vinyl ether	7.30	63	63	256.500	ug/l #	46
59) 2-Hexanone	9.52	43	4580	3644.133	ug/l #	43
65) Chlorobenzene	9.92	112	86	18.497	ug/l #	42
67) Ethyl Benzene	9.91	91	508	58.688	ug/l #	47
68) m/p-Xylenes	10.13	106	1169	375.500	ug/l	76
69) o-Xylene	10.71	106	578	168.369	ug/l	43
73) Isopropylbenzene	11.12	105	2256	370.750	ug/l	90
74) N-amyl acetate	11.40	43	2782	1979.921	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.77	83	2323	2319.633	ug/l #	46
78) n-propylbenzene	11.59	91	913	128.123	ug/l	96
79) 2-Chlorotoluene	11.73	91	118	28.880	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.89	105	70	14.170	ug/l #	26
82) 4-Chlorotoluene	11.94	91	651	151.397	ug/l #	55
83) tert-Butylbenzene	12.19	119	63	12.520	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.19	105	185	37.525	ug/l #	29
85) sec-Butylbenzene	12.31	105	640	92.910	ug/l #	58
86) p-Isopropyltoluene	12.59	119	65	11.255	ug/l #	1
89) n-Butylbenzene	12.89	91	208	35.619	ug/l #	27

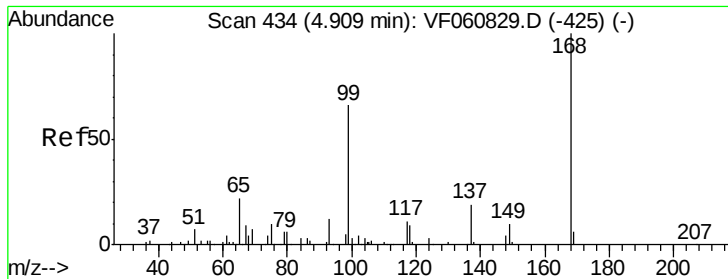
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

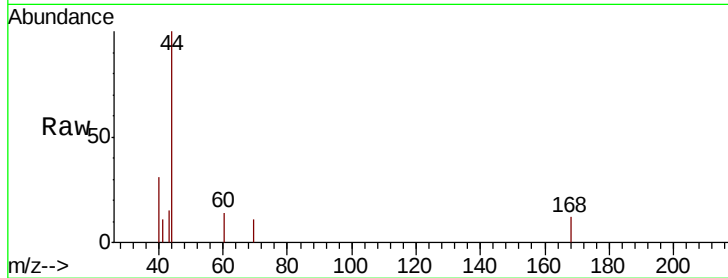
4UST-SW-6

Tot Ion:168 Resp: 76

Ion Ratio Lower Upper

168 100

99 0.0 52.6 79.0#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

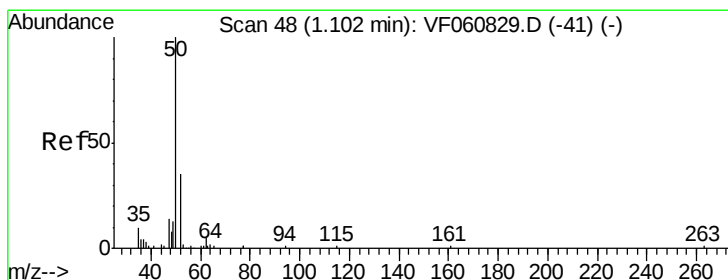
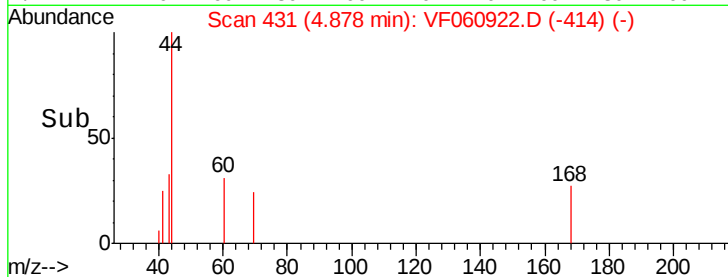
4.88

100

50

0

Time-->



#3

Chloromethane

Concen: 397.594 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060922.D

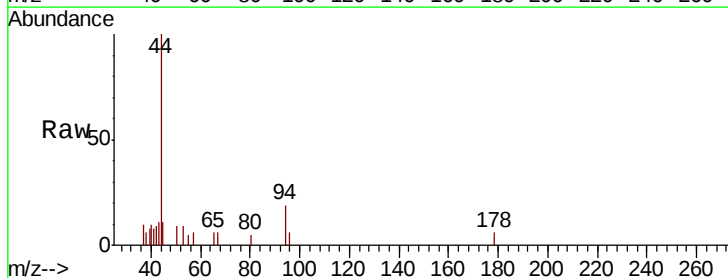
Acq: 6 Dec 2018 17:35

Tgt Ion: 50 Resp: 294

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

1.09

200

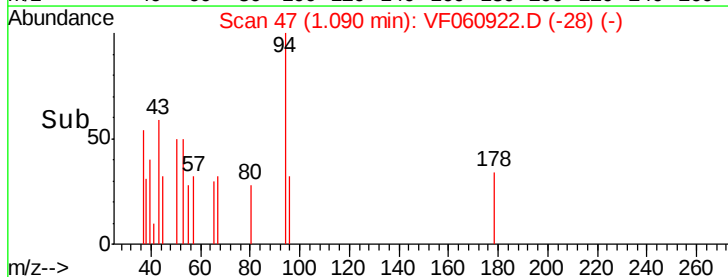
150

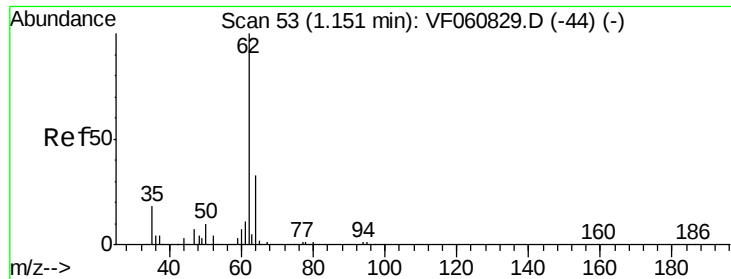
100

50

0

Time-->





#4

Vinyl Chloride

Concen: 95.688 ug/l

RT: 1.24 min Scan# 62

Delta R.T. 0.09 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

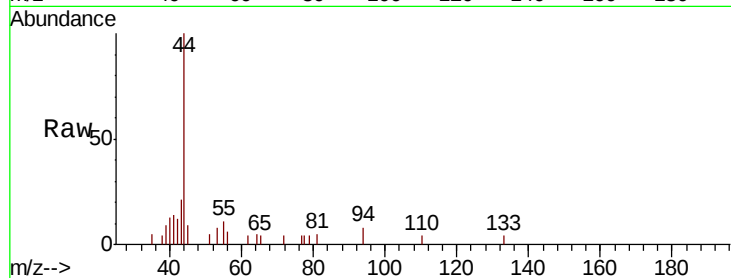
4UST-SW-6

Tot Ion: 62 Resp: 66

Ion Ratio Lower Upper

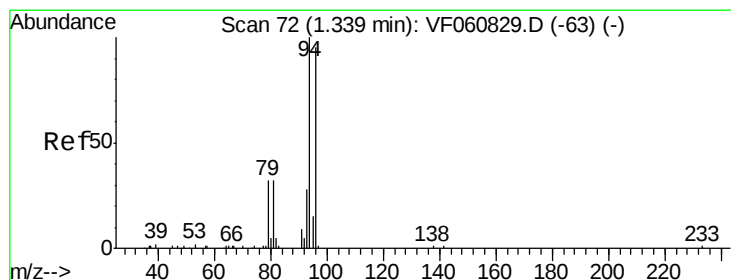
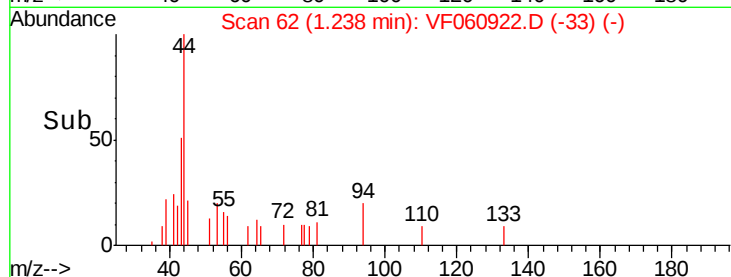
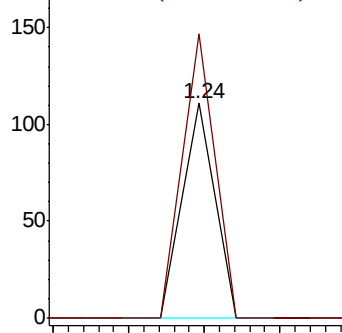
62 100

64 132.4 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: 676.453 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060922.D

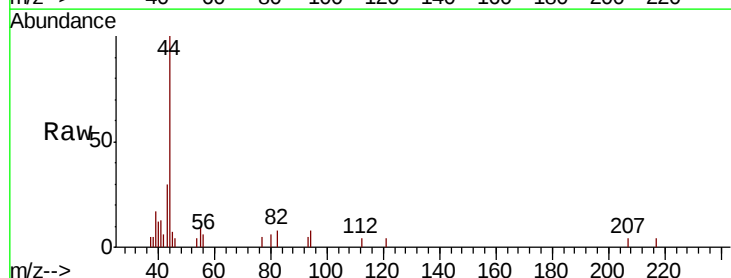
Acq: 6 Dec 2018 17:35

Tgt Ion: 94 Resp: 329

Ion Ratio Lower Upper

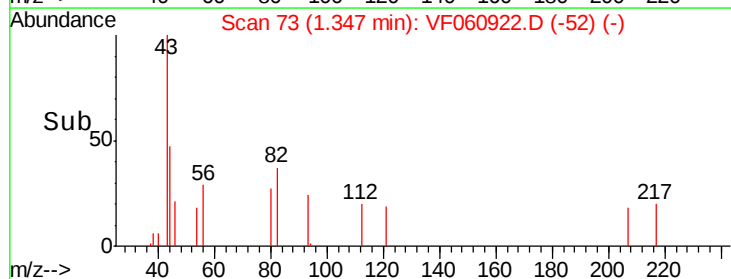
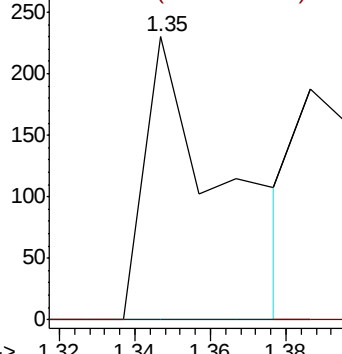
94 100

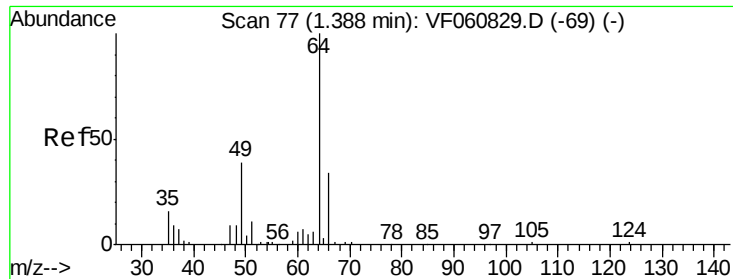
96 0.0 75.9 113.9#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 291.798 ug/l

RT: 1.24 min Scan# 62

Delta R.T. -0.15 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

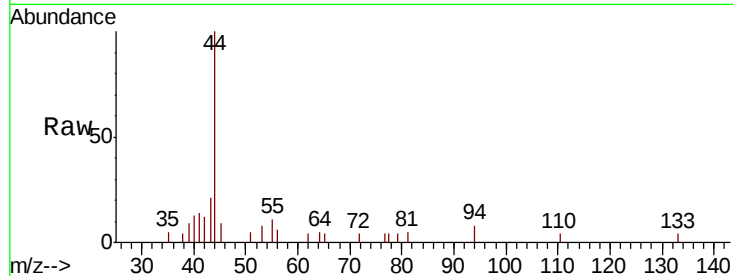
4UST-SW-6

Tot Ion: 64 Resp: 87

Ion Ratio Lower Upper

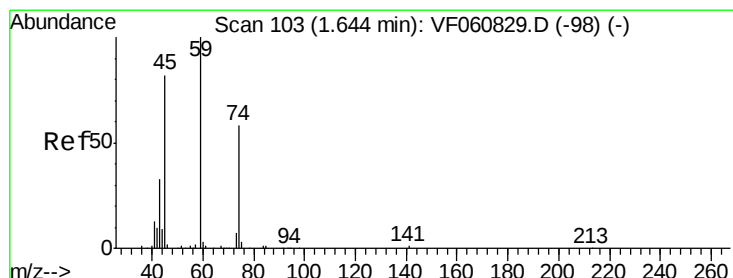
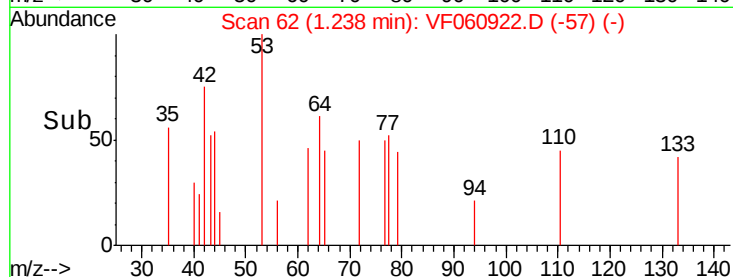
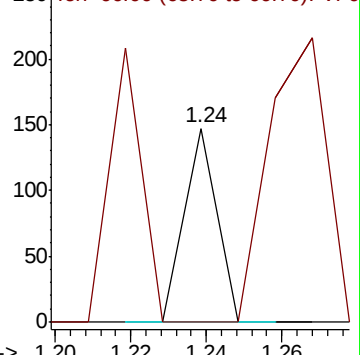
64 100

66 0.0 28.1 42.1#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#8

Diethyl Ether

Concen: 742.459 ug/l

RT: 1.70 min Scan# 109

Delta R.T. 0.06 min

Lab File: VF060922.D

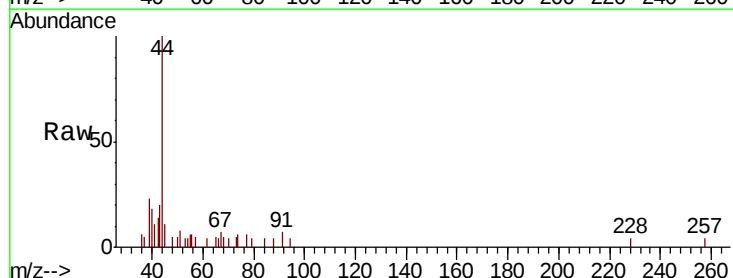
Acq: 6 Dec 2018 17:35

Tgt Ion: 74 Resp: 158

Ion Ratio Lower Upper

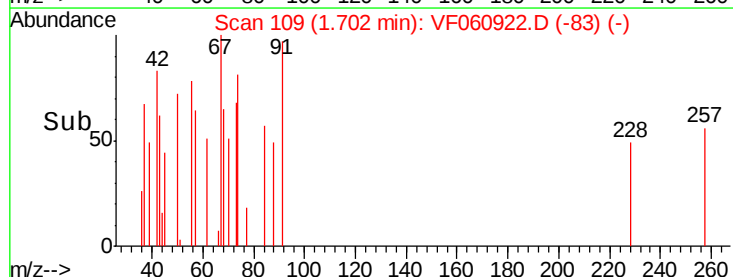
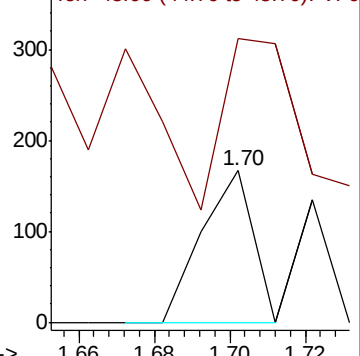
74 100

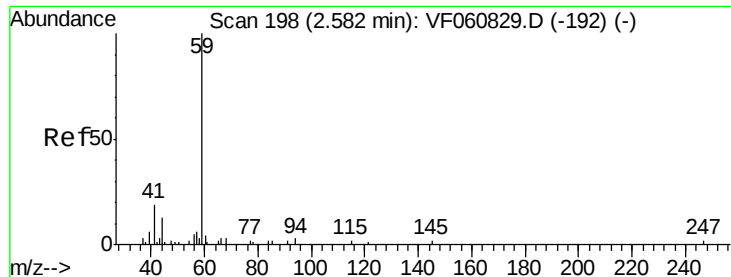
45 186.8 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



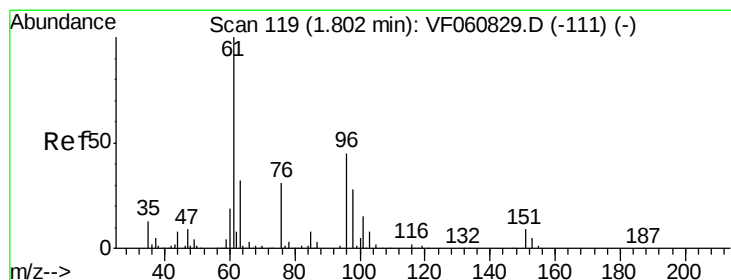
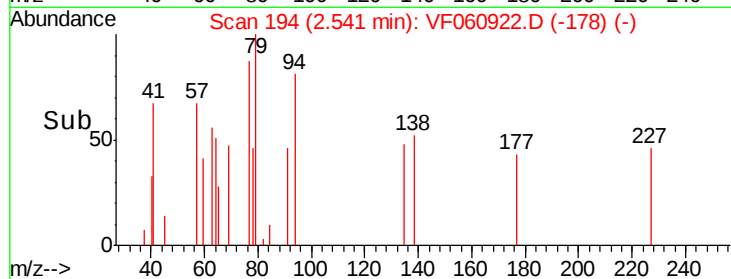
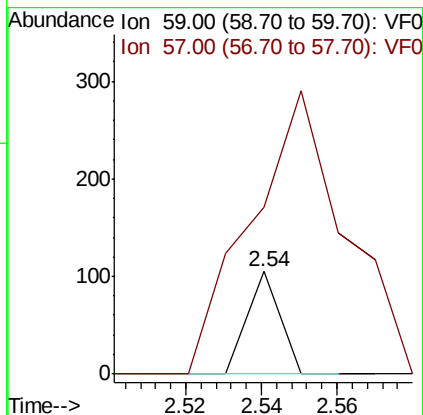
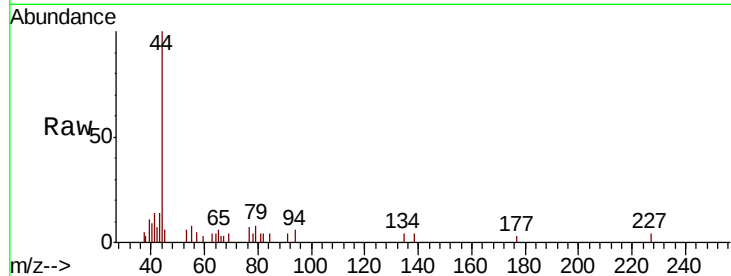


#11

Tert butyl alcohol
Concen: 1689.338 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.04 min
Lab File: VF060922.D
Acq: 6 Dec 2018 17:35

Instrument :
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4UST-SW-6

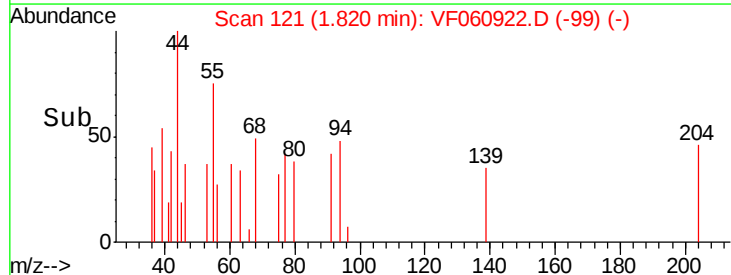
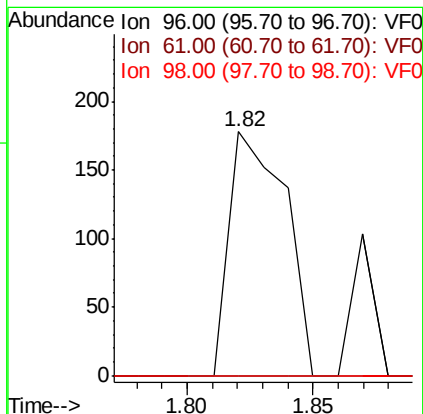
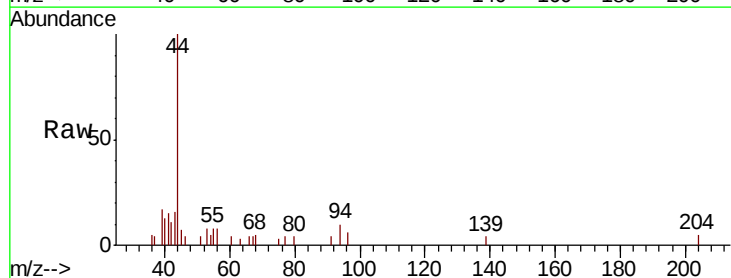
Tot Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 162.9 12.7 19.1#

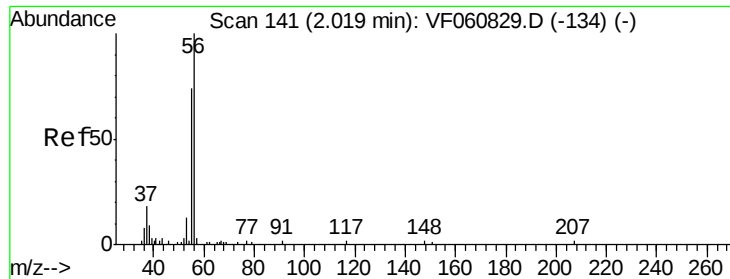


#12

1,1-Dichloroethene
Concen: 458.645 ug/l
RT: 1.82 min Scan# 121
Delta R.T. 0.02 min
Lab File: VF060922.D
Acq: 6 Dec 2018 17:35

Tgt Ion: 96 Resp: 276
Ion Ratio Lower Upper
96 100
61 0.0 177.3 265.9#
98 0.0 49.6 74.4#





#13

Acrolein

Concen: 11877.119 ug/l

RT: 1.92 min Scan# 131

Delta R.T. -0.10 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

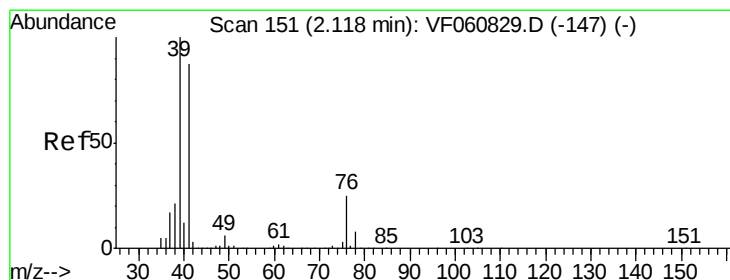
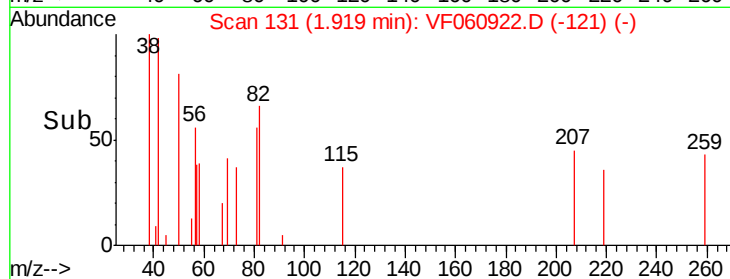
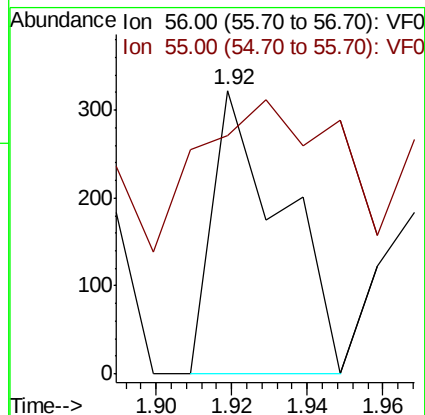
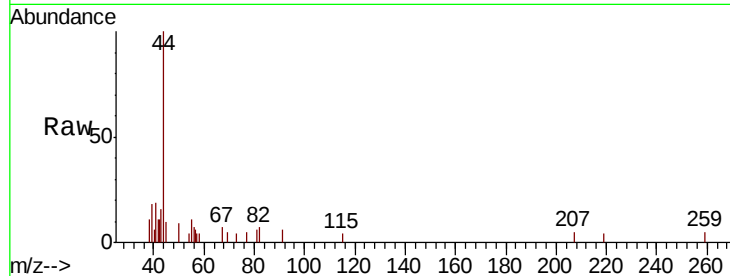
4UST-SW-6

Tot Ion: 56 Resp: 413

Ion Ratio Lower Upper

56 100

55 84.2 61.2 91.8



#14

Allyl chloride

Concen: 410.638 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

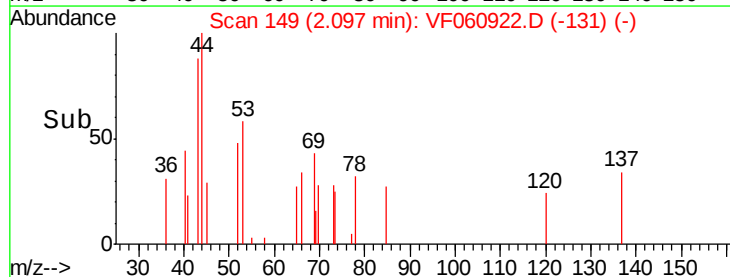
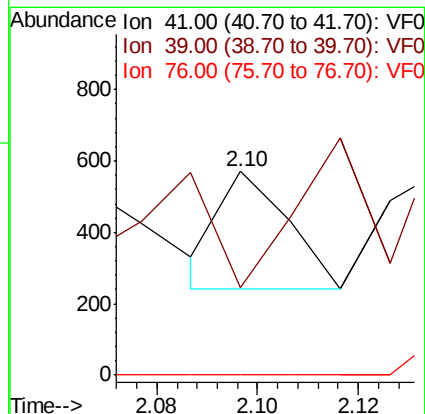
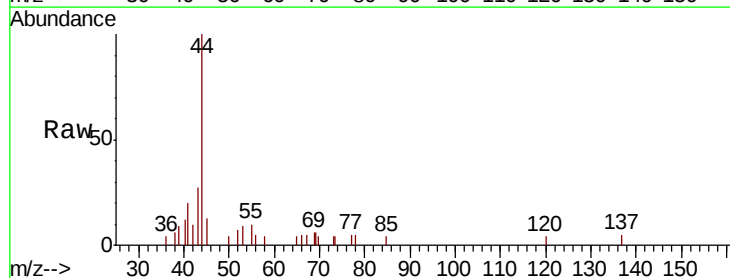
Tgt Ion: 41 Resp: 308

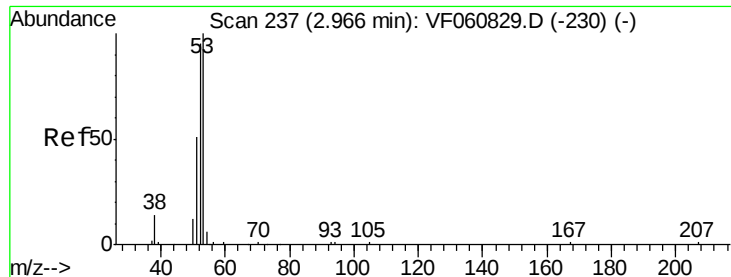
Ion Ratio Lower Upper

41 100

39 43.3 91.7 137.5#

76 0.0 23.5 35.3#





#15

Acrylonitrile

Concen: 8313.062 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.03 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

4UST-SW-6

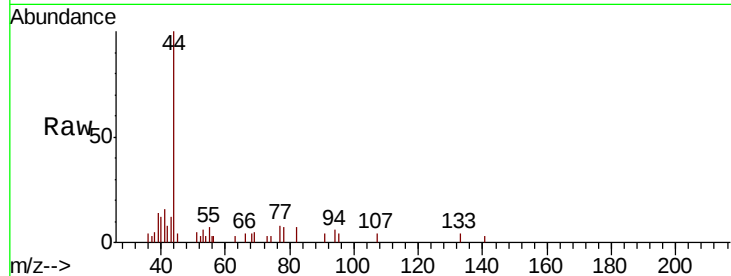
Tot Ion: 53 Resp: 684

Ion Ratio Lower Upper

53 100

52 50.4 76.5 114.7#

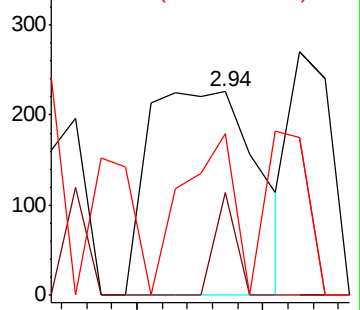
51 79.6 40.7 61.1#



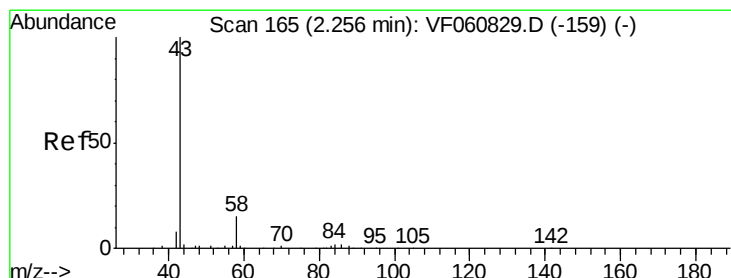
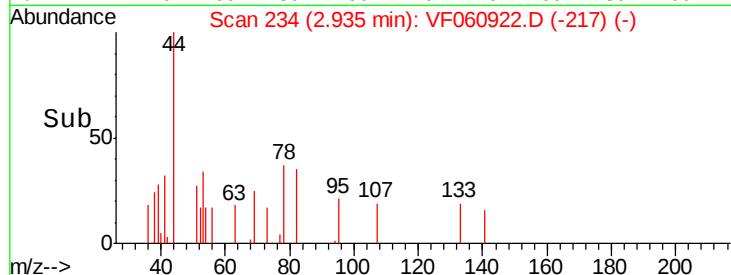
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 2380.382 ug/l

RT: 2.21 min Scan# 161

Delta R.T. -0.04 min

Lab File: VF060922.D

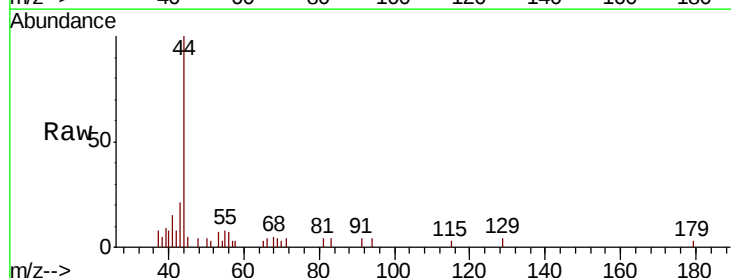
Acq: 6 Dec 2018 17:35

Tgt Ion: 43 Resp: 393

Ion Ratio Lower Upper

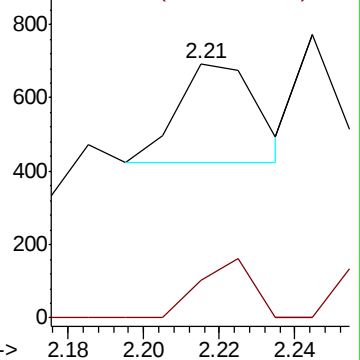
43 100

58 14.9 11.4 17.2

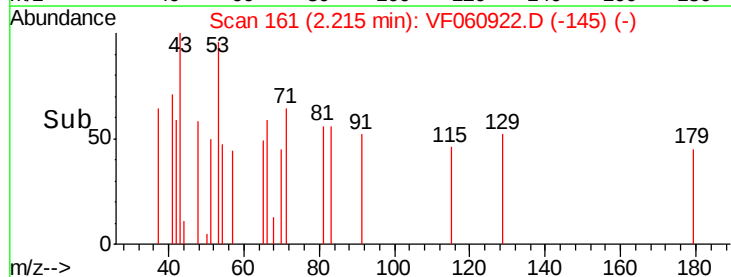


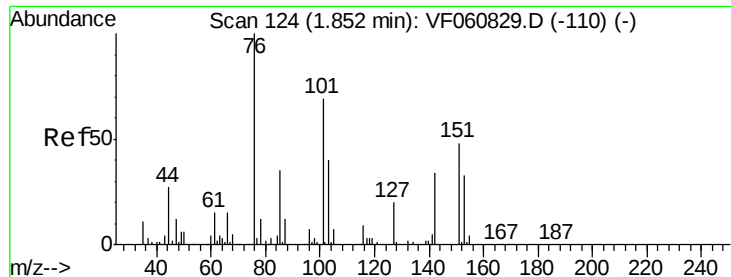
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

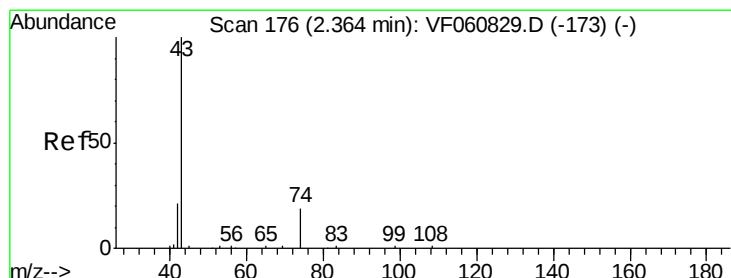
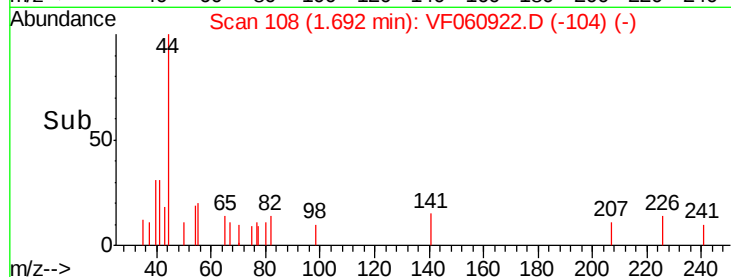
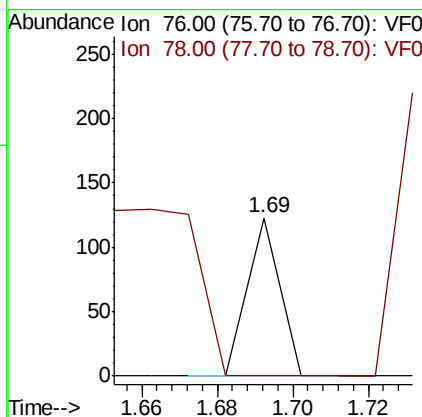
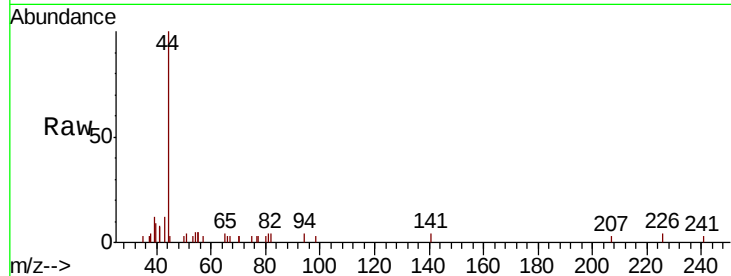




#17
Carbon Disulfide
Concen: 45.243 ug/l
RT: 1.69 min Scan# 108
Delta R.T. -0.16 min
Lab File: VF060922.D
Acq: 6 Dec 2018 17:35

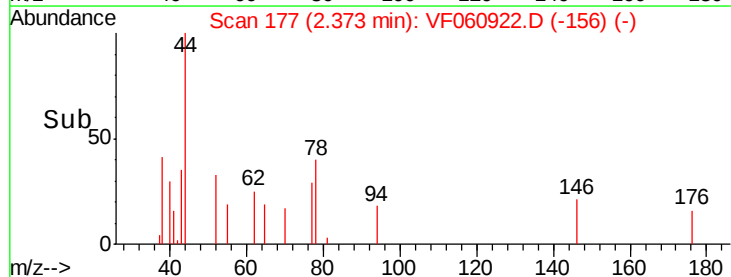
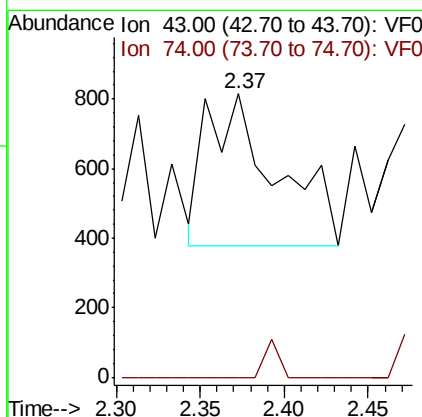
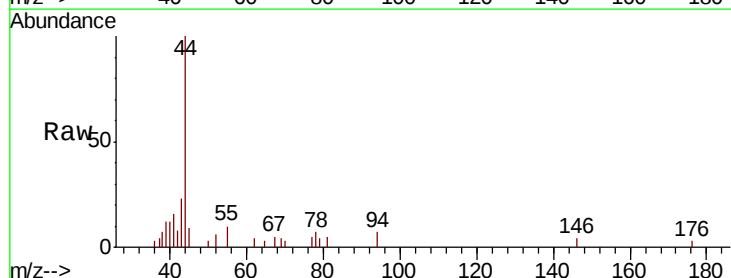
Instrument :
MSVOA_F
ClientSampleId :
4UST-SW-6

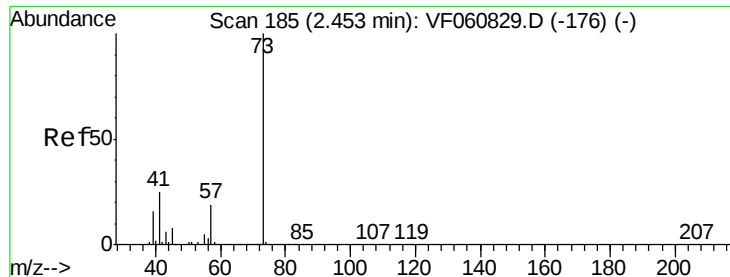
Tot Ion: 76 Resp: 73
Ion Ratio Lower Upper
76 100
78 0.0 10.2 15.2#



#18
Methyl Acetate
Concen: 4702.634 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF060922.D
Acq: 6 Dec 2018 17:35

Tgt Ion: 43 Resp: 1260
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



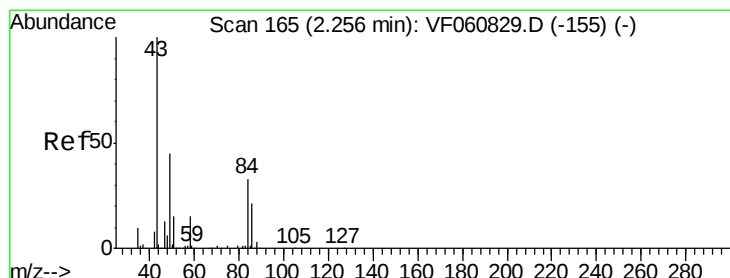
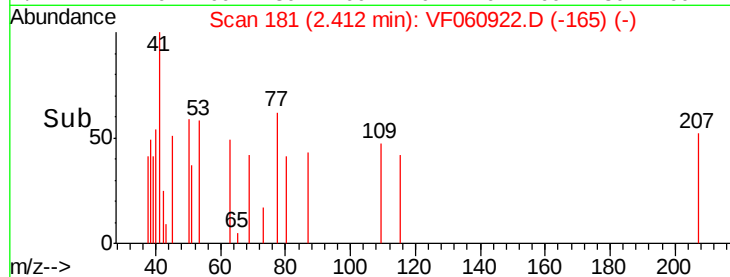
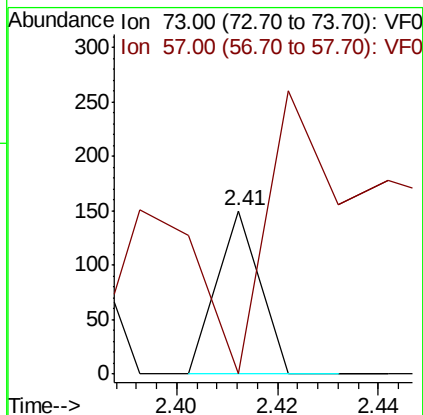
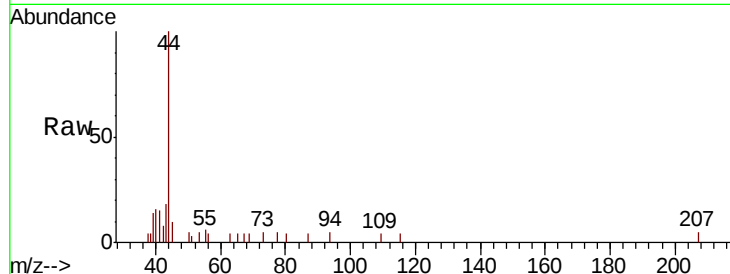


#19

Methyl tert-butyl Ether
 Concen: 65.665 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.04 min
 Lab File: VF060922.D
 Acq: 6 Dec 2018 17:35

Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-SW-6

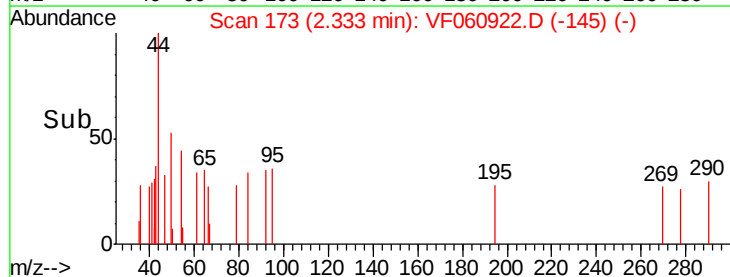
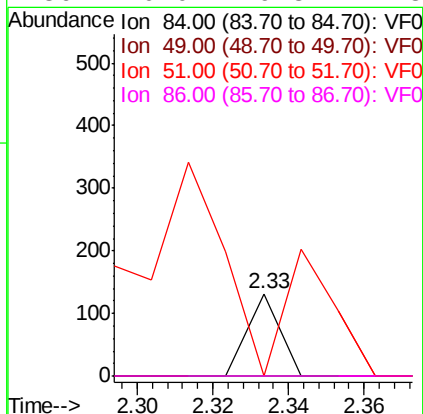
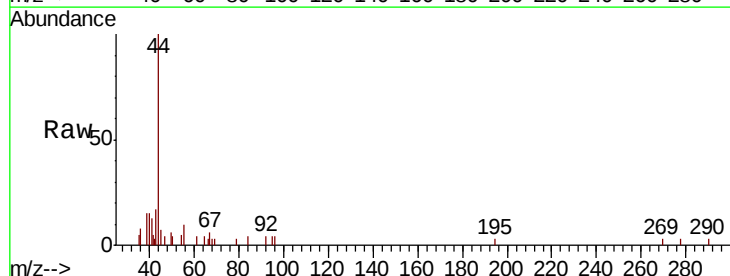
Tot Ion: 73 Resp: 89
 Ion Ratio Lower Upper
 73 100
 57 0.0 15.3 22.9#

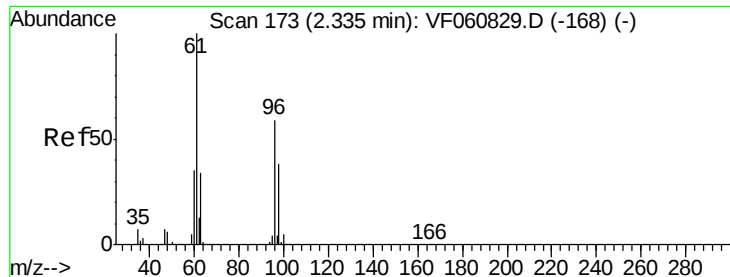


#20

Methylene Chloride
 Concen: 128.781 ug/l
 RT: 2.33 min Scan# 173
 Delta R.T. 0.08 min
 Lab File: VF060922.D
 Acq: 6 Dec 2018 17:35

Tgt Ion: 84 Resp: 78
 Ion Ratio Lower Upper
 84 100
 49 0.0 111.3 166.9#
 51 0.0 38.0 57.0#
 86 0.0 49.8 74.8#





#21

trans-1,2-Dichloroethene

Concen: 246.485 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

4UST-SW-6

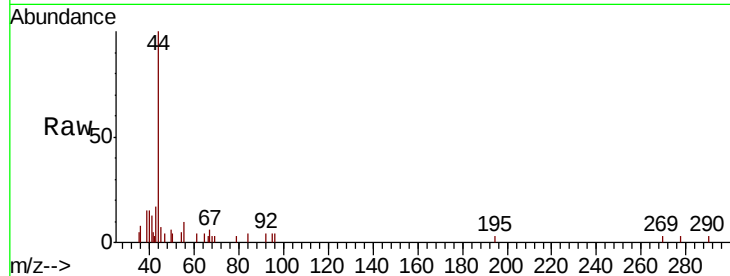
Tot Ion: 96 Resp: 143

Ion Ratio Lower Upper

96 100

61 103.1 134.5 201.7#

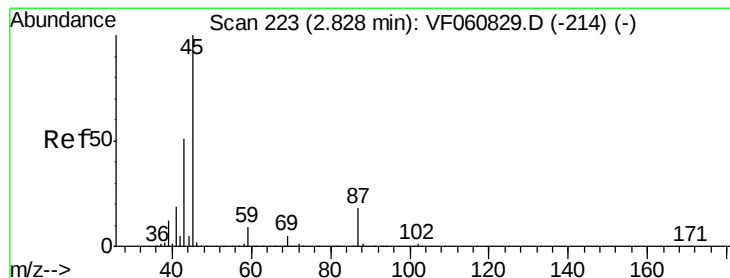
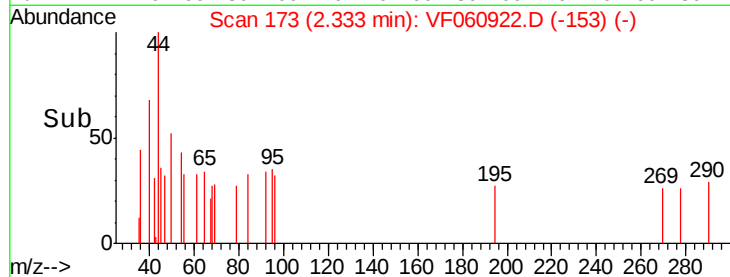
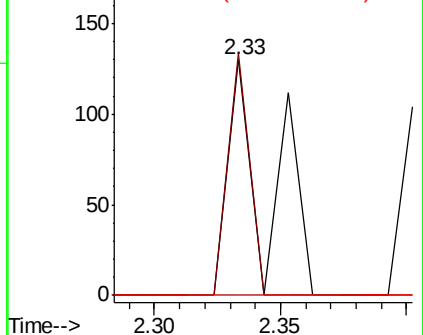
98 0.0 51.6 77.4#



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: 85.225 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Tgt Ion: 45 Resp: 174

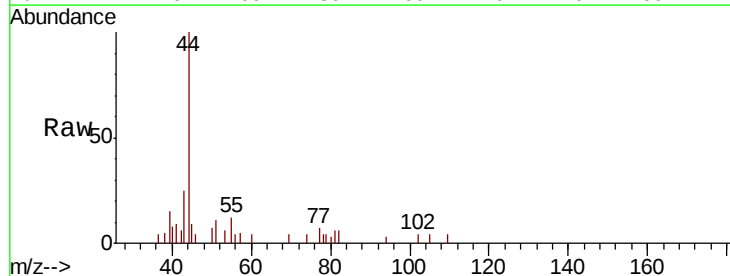
Ion Ratio Lower Upper

45 100

43 263.8 41.0 61.6#

87 0.0 14.6 22.0#

59 0.0 7.5 11.3#

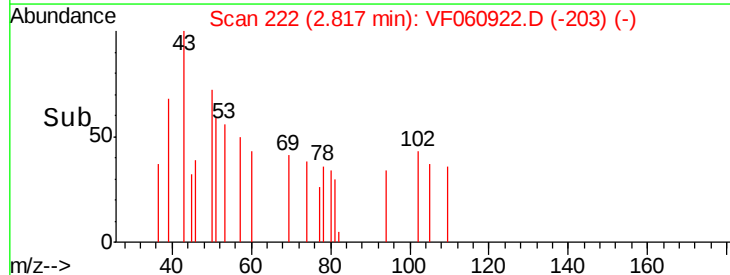
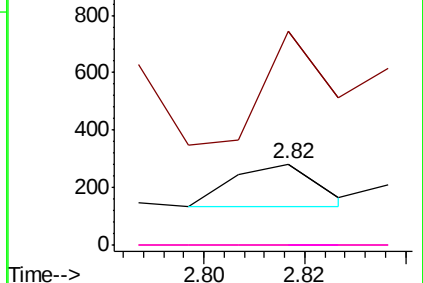


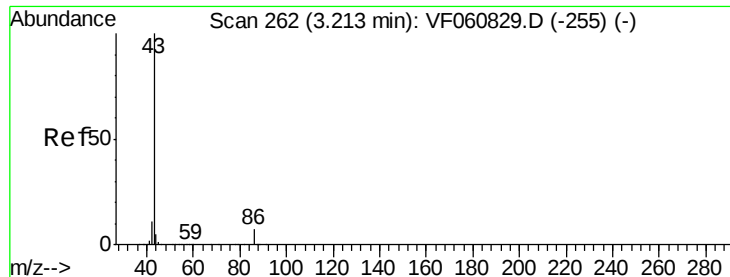
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 506.827 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

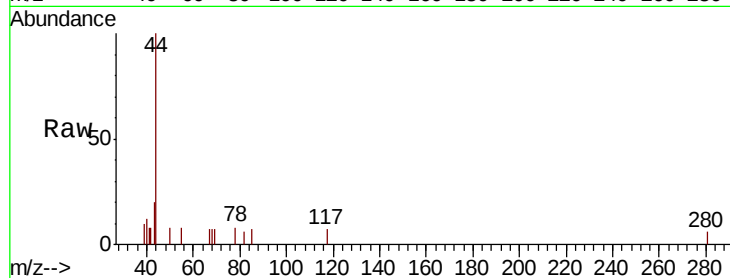
4UST-SW-6

Tot Ion: 43 Resp: 473

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

500

400

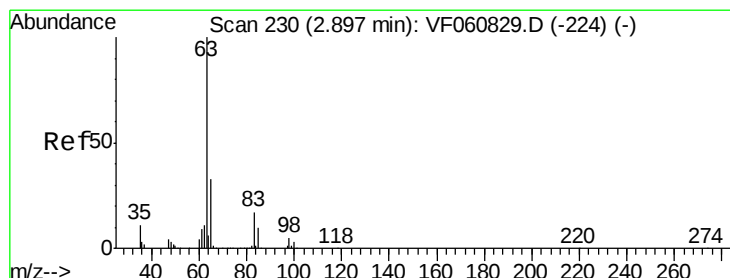
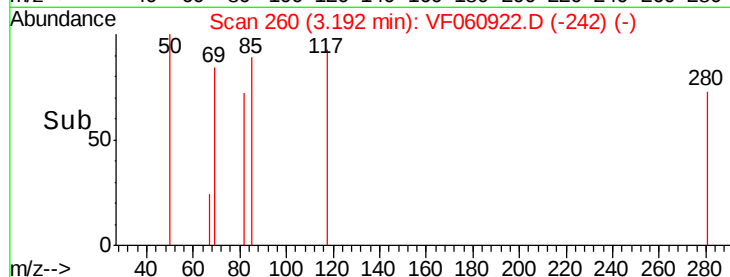
300

200

100

0

Time-->



#24

1,1-Dichloroethane

Concen: 190.993 ug/l

RT: 2.93 min Scan# 233

Delta R.T. 0.03 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

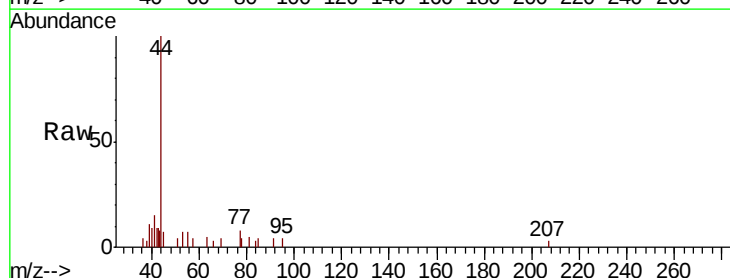
Tgt Ion: 63 Resp: 232

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

200

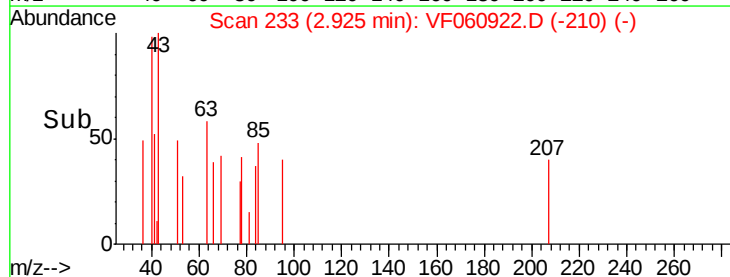
150

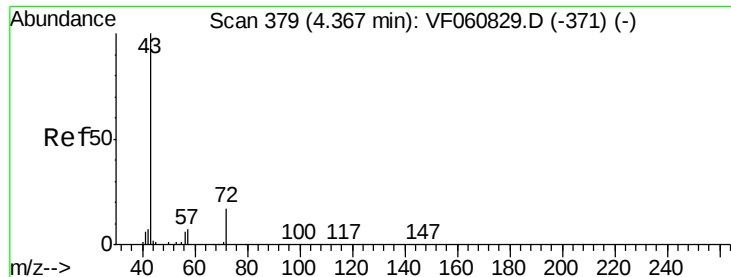
100

50

0

Time-->





#25

2-Butanone

Concen: 343.180 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

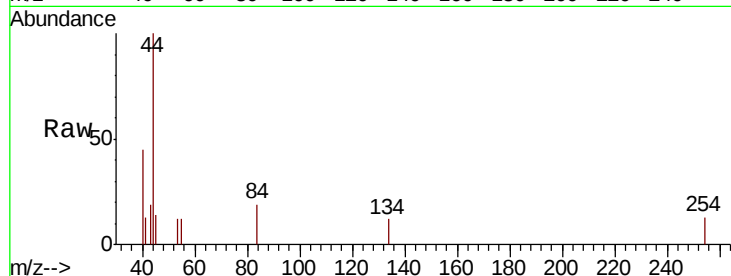
4UST-SW-6

Tot Ion: 43 Resp: 98

Ion Ratio Lower Upper

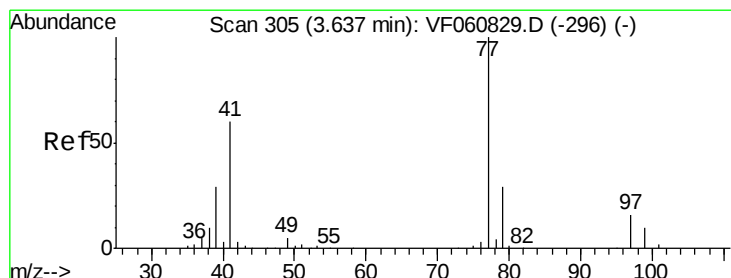
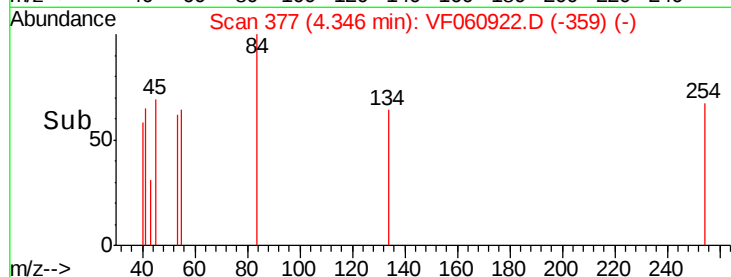
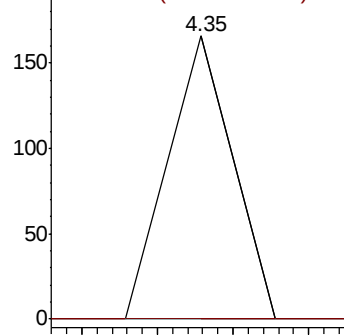
43 100

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: 229.840 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.06 min

Lab File: VF060922.D

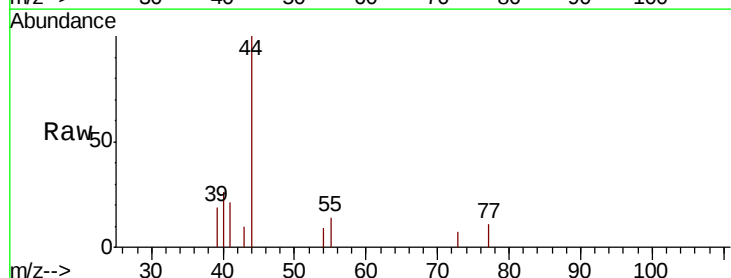
Acq: 6 Dec 2018 17:35

Tgt Ion: 77 Resp: 181

Ion Ratio Lower Upper

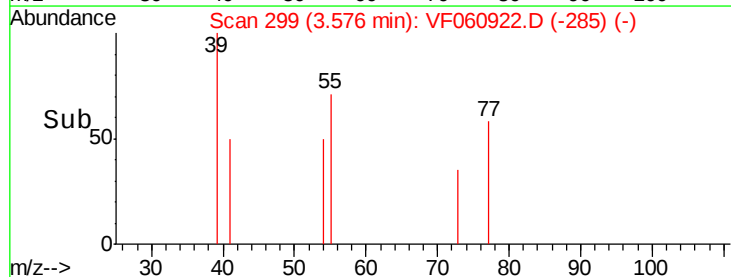
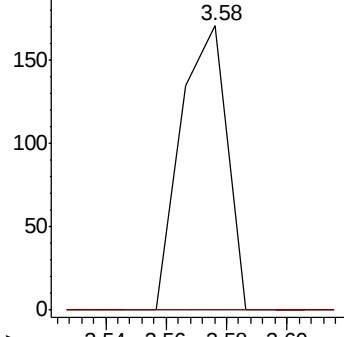
77 100

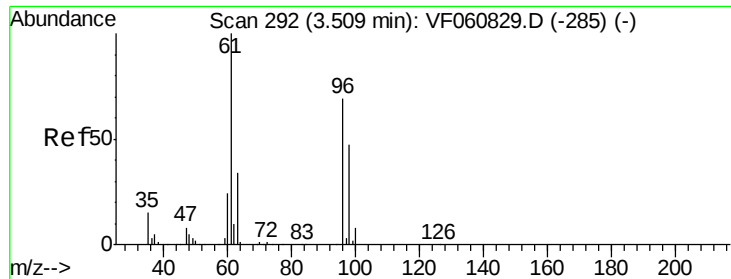
97 0.0 8.6 25.8#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



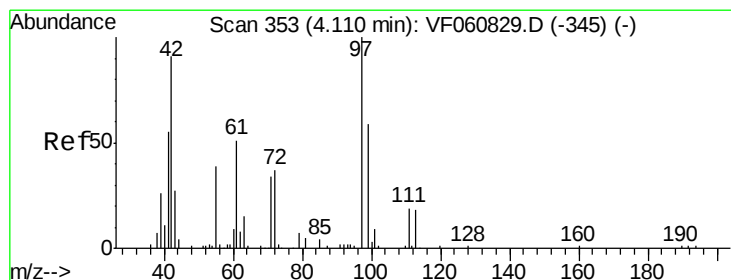
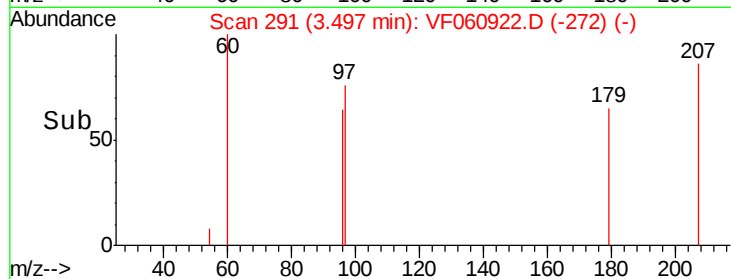
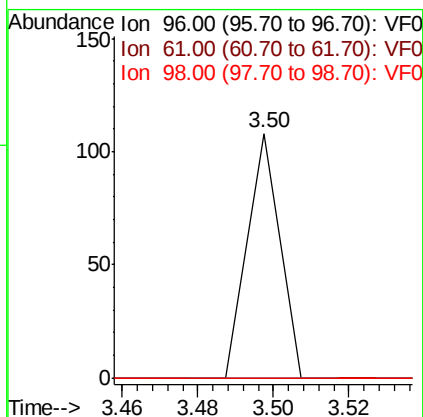
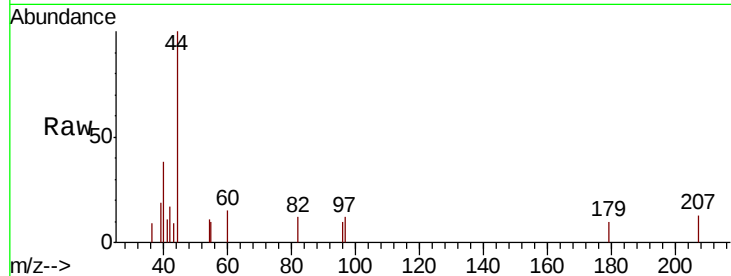


#27

cis-1,2-Dichloroethene
 Concen: 67.761 ug/l
 RT: 3.50 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VF060922.D
 Acq: 6 Dec 2018 17:35

Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-SW-6

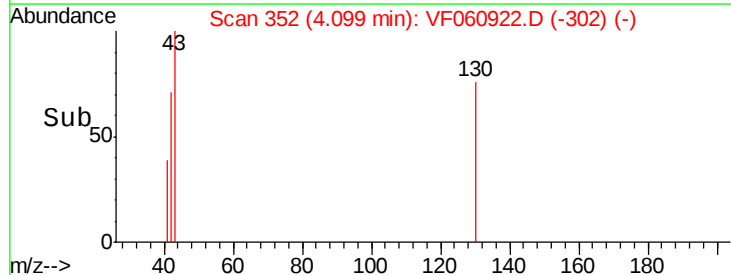
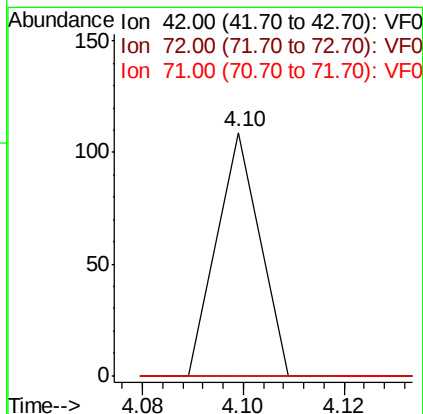
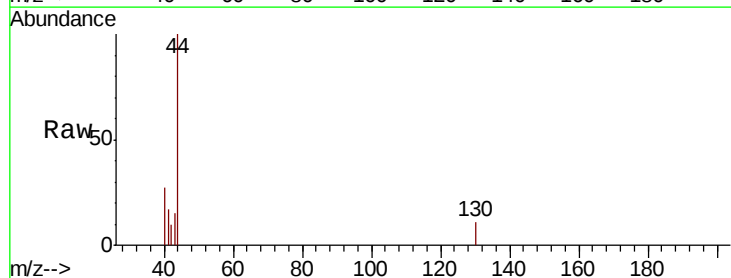
Tot Ion:	96	Resp:	64
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	290.6
98	0.0	0.0	137.8

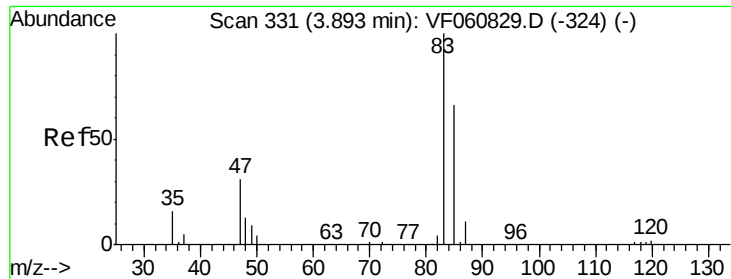


#29

Tetrahydrofuran
 Concen: 536.984 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF060922.D
 Acq: 6 Dec 2018 17:35

Tgt Ion:	42	Resp:	65
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	0.0	28.7	43.1#

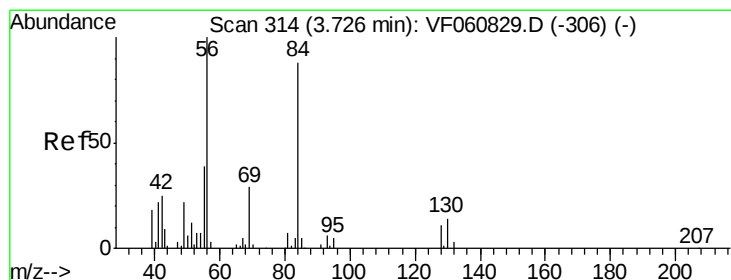
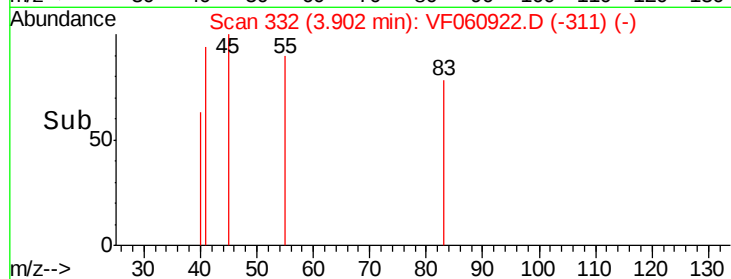
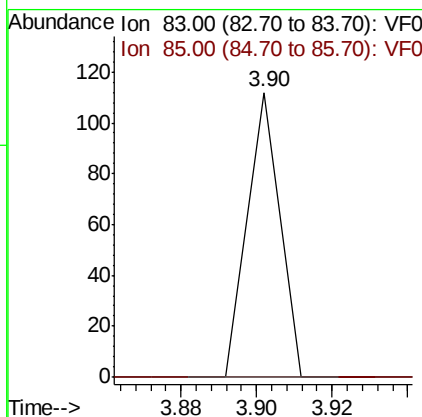
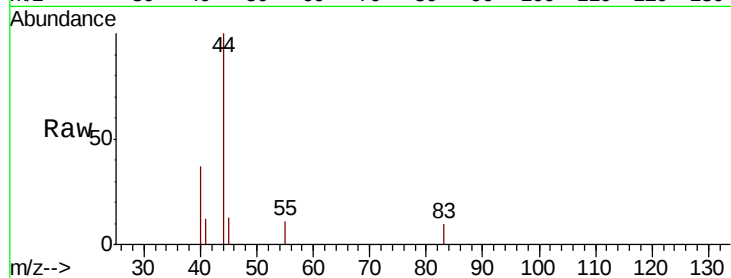




#30
Chloroform
Concen: 35.304 ug/l
RT: 3.90 min Scan# 332
Delta R.T. 0.01 min
Lab File: VF060922.D
Acq: 6 Dec 2018 17:35

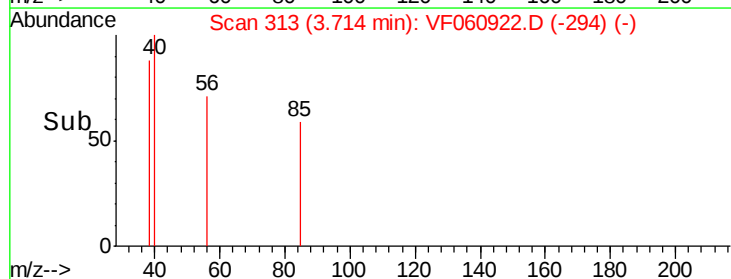
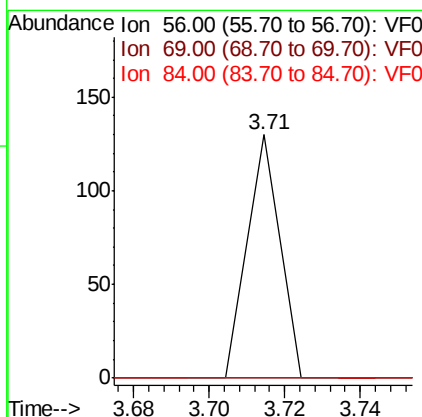
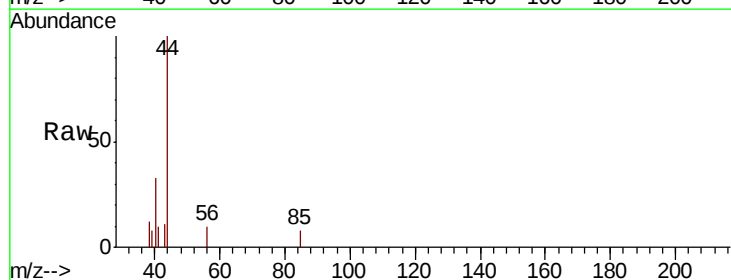
Instrument :
MSVOA_F
ClientSampleId :
4UST-SW-6

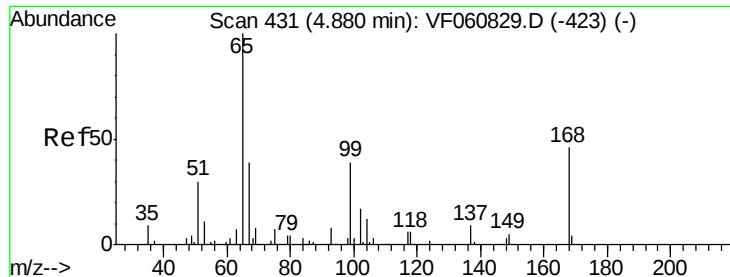
Tot Ion: 83 Resp: 66
Ion Ratio Lower Upper
83 100
85 0.0 53.4 80.2#



#31
Cyclohexane
Concen: 61.080 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF060922.D
Acq: 6 Dec 2018 17:35

Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
69 0.0 23.0 34.4#
84 83.8 70.4 105.6





#33

1,2-Dichloroethane-d4

Concen: 81.536 ug/l

RT: 4.76 min Scan# 419

Delta R.T. -0.12 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

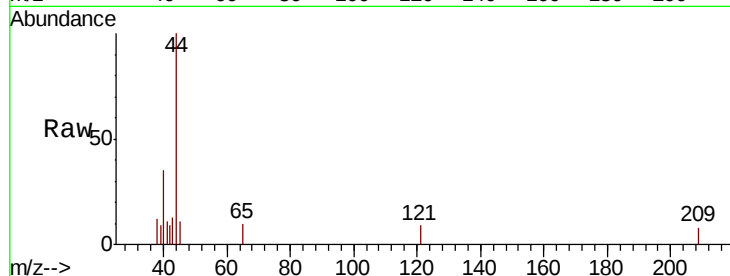
4UST-SW-6

Tot Ion: 65 Resp: 73

Ion Ratio Lower Upper

65 100

67 0.0 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.76

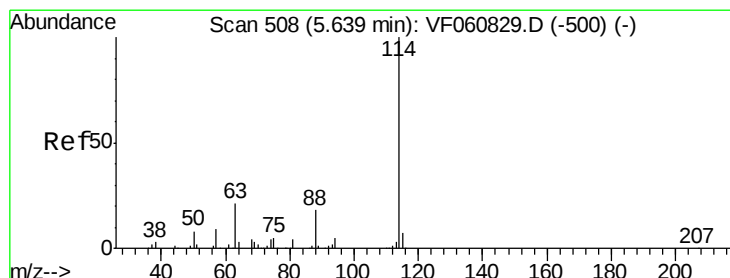
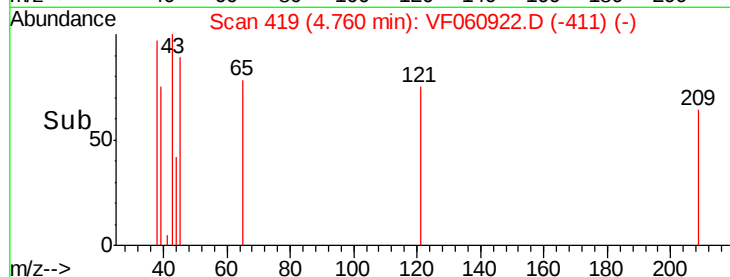
100

50

0

4.74 4.76 4.78

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.03 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

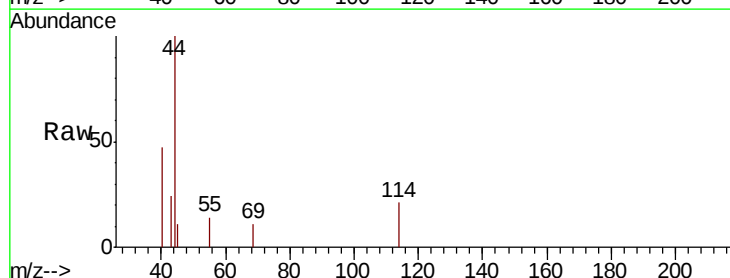
Tgt Ion: 114 Resp: 431

Ion Ratio Lower Upper

114 100

63 0.0 0.0 41.6

88 0.0 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

250

200

150

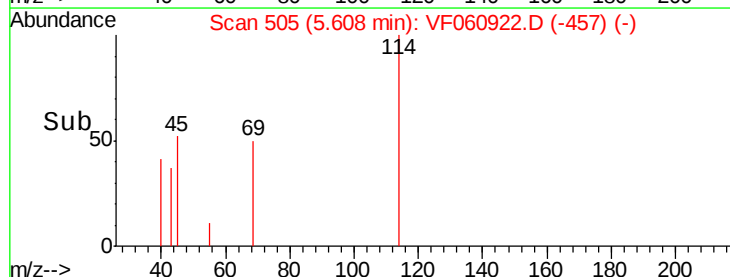
100

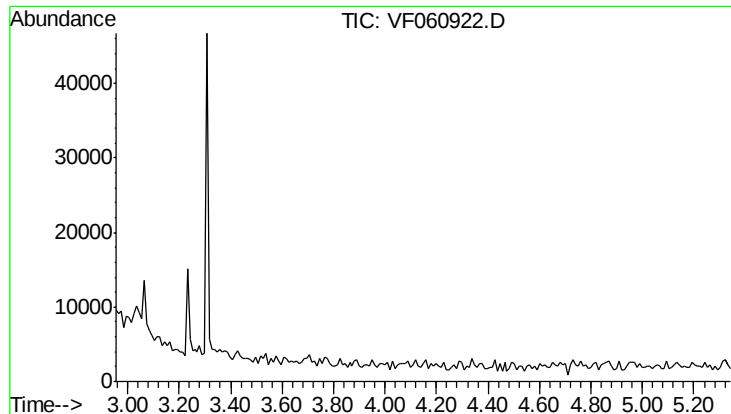
50

0

5.55 5.60 5.65

Time-->



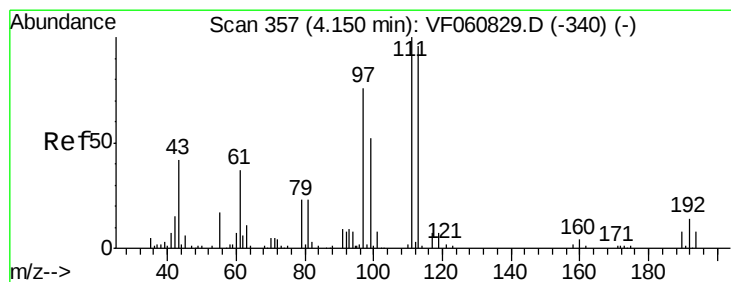
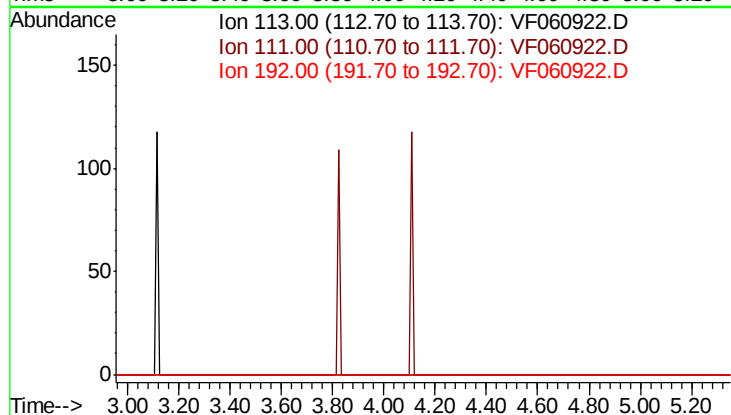


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.15 min

Lab File: VF060922.D
 Acq: 6 Dec 2018 17:35

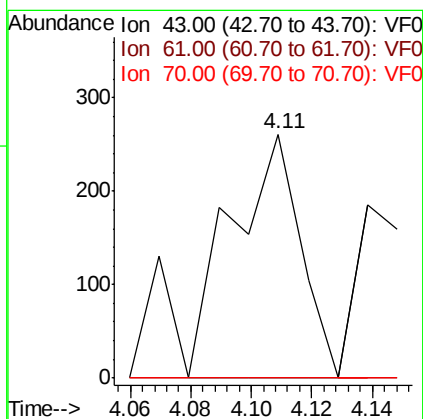
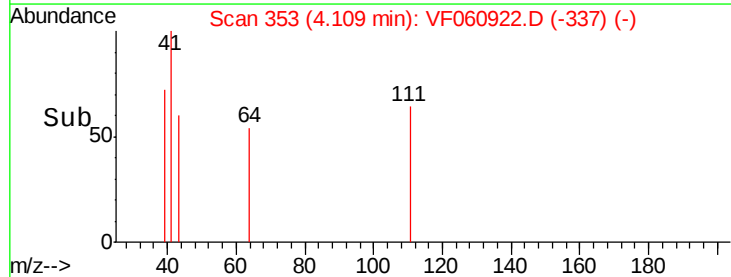
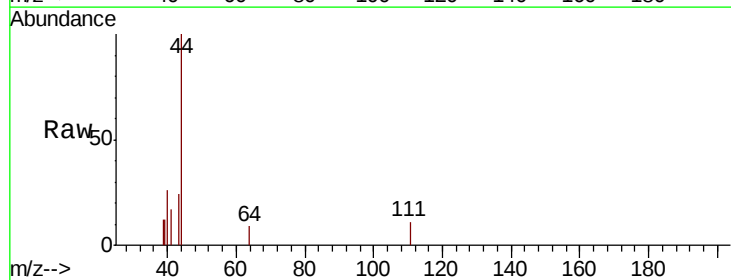
Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-SW-6

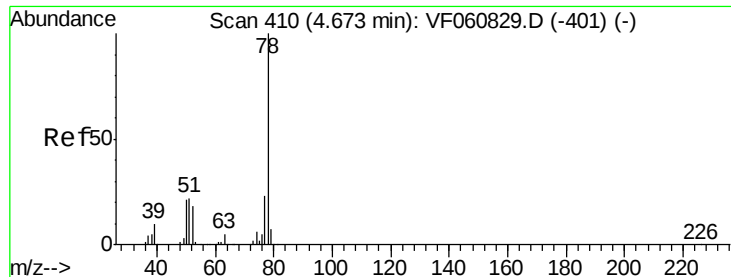
Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 103.8
 192 15.4



#37
 Ethyl Acetate
 Concen: 214.138 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.04 min
 Lab File: VF060922.D
 Acq: 6 Dec 2018 17:35

Tgt Ion: 43 Resp: 416
 Ion Ratio Lower Upper
 43 100
 61 0.0 68.6 103.0#
 70 0.0 9.0 13.4#





#40

Benzene

Concen: 5.965 ug/l

RT: 4.70 min Scan# 413

Delta R.T. 0.03 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

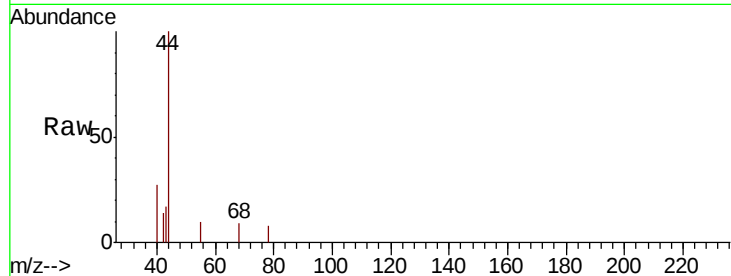
4UST-SW-6

Tot Ion: 78 Resp: 63

Ion Ratio Lower Upper

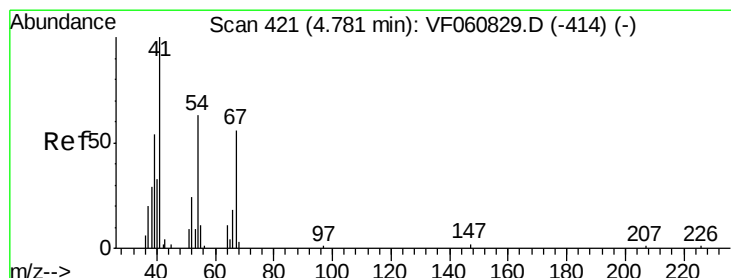
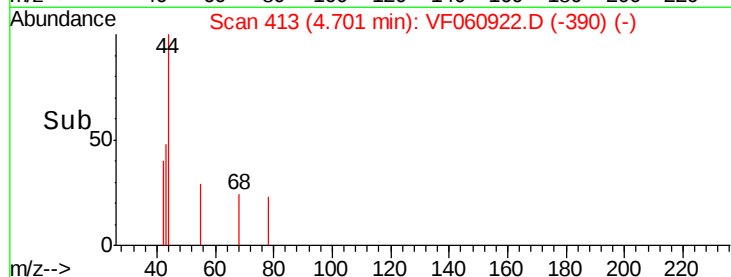
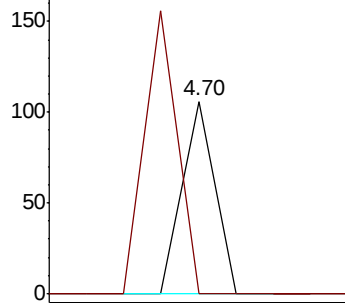
78 100

77 0.0 18.7 28.1#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#41

Methacrylonitrile

Concen: 151.003 ug/l

RT: 4.76 min Scan# 419

Delta R.T. -0.02 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Tgt Ion: 41 Resp: 144

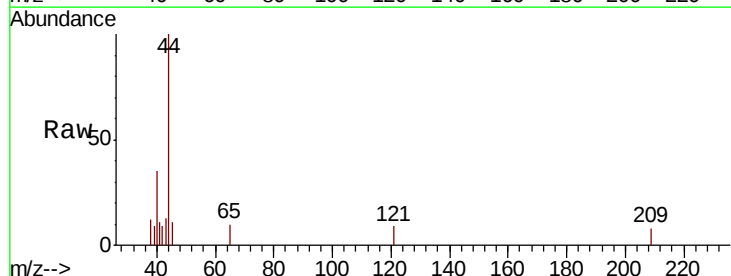
Ion Ratio Lower Upper

41 100

39 84.2 53.0 79.6#

67 0.0 43.8 65.6#

52 0.0 37.8 56.8#

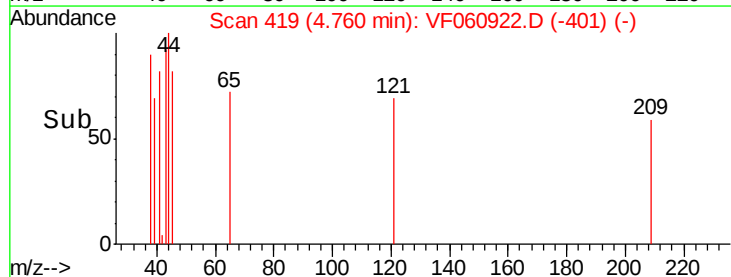
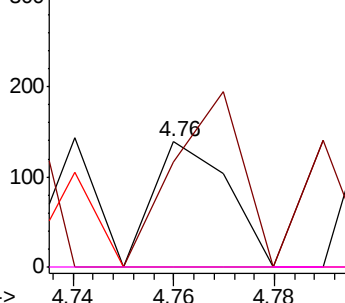


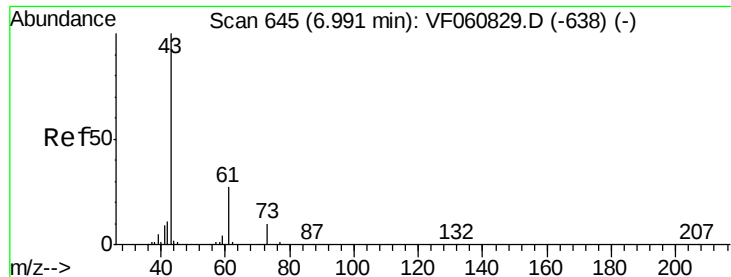
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#43

Isopropyl Acetate

Concen: 151.104 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

4UST-SW-6

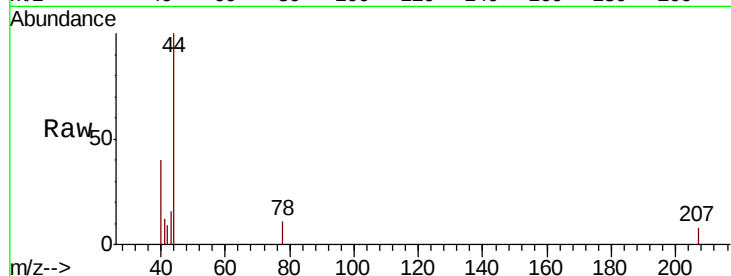
Tot Ion: 43 Resp: 349

Ion Ratio Lower Upper

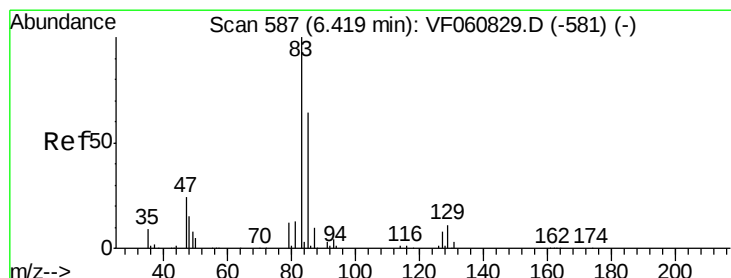
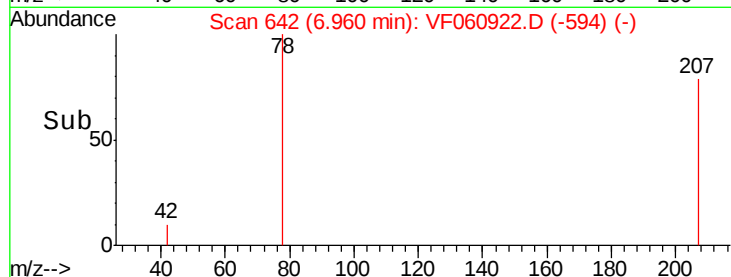
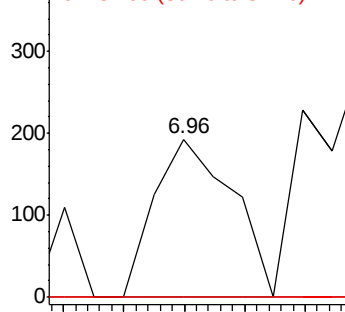
43 100

61 0.0 21.4 32.0#

87 0.0 0.2 0.4#



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



#47

Bromodichloromethane

Concen: 12.546 ug/l

RT: 6.42 min Scan# 587

Delta R.T. -0.00 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

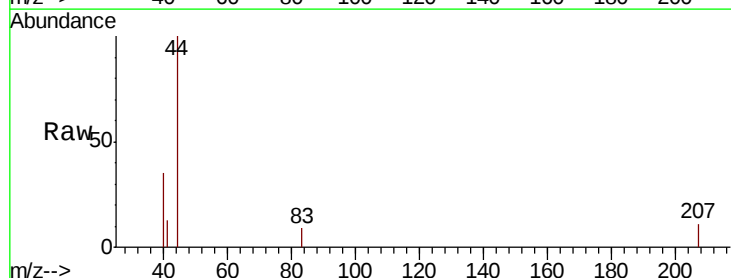
Tgt Ion: 83 Resp: 62

Ion Ratio Lower Upper

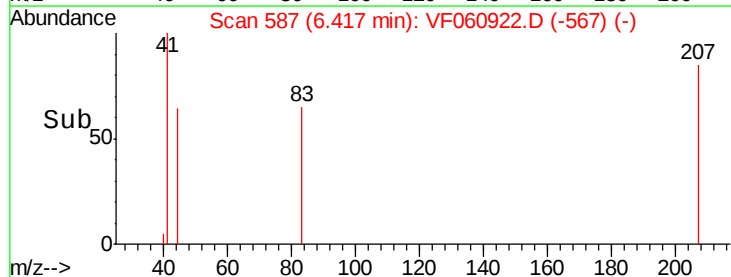
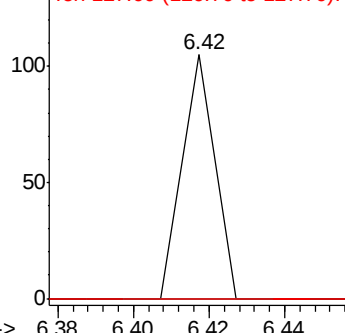
83 100

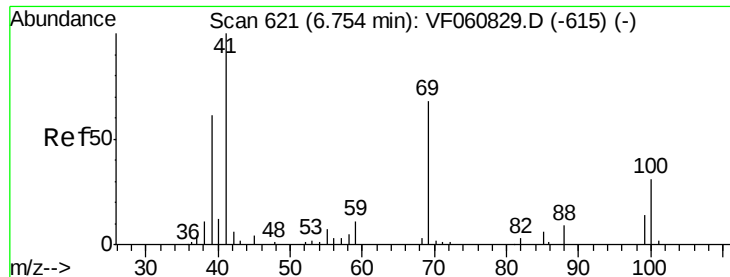
85 0.0 51.1 76.7#

127 0.0 6.8 10.2#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V

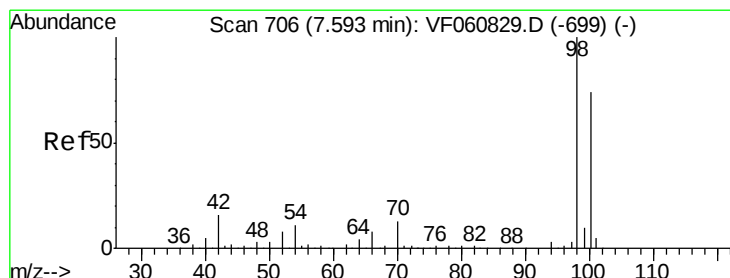
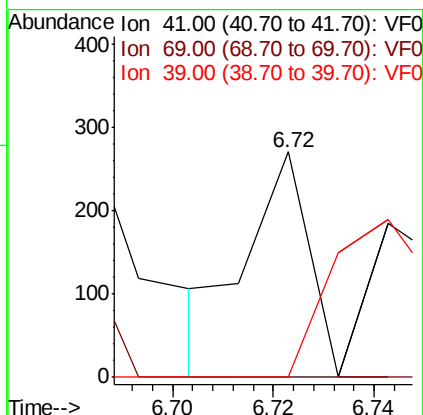
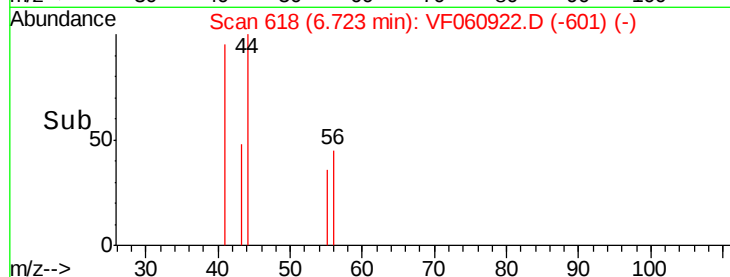
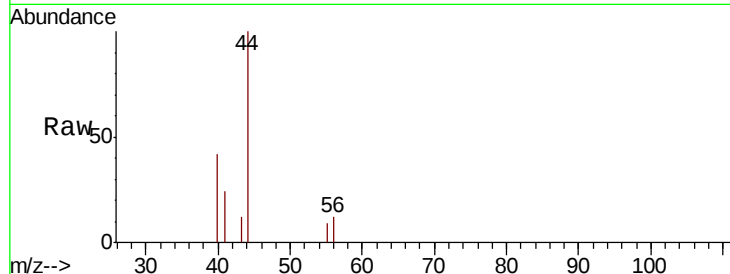




#48
Methyl methacrylate
Concen: 129.090 ug/l
RT: 6.72 min Scan# 618
Delta R.T. -0.03 min
Lab File: VF060922.D
Acq: 6 Dec 2018 17:35

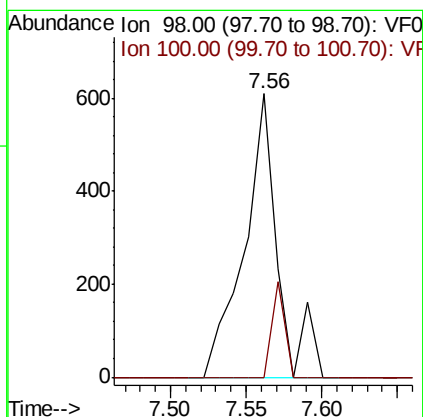
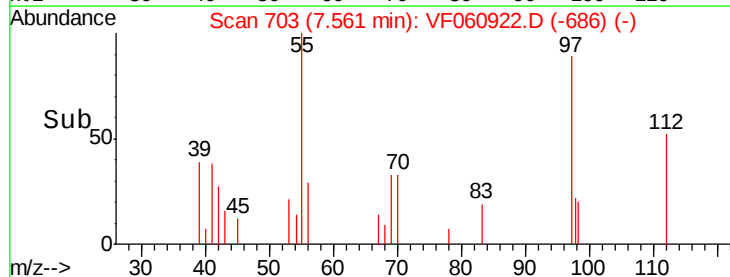
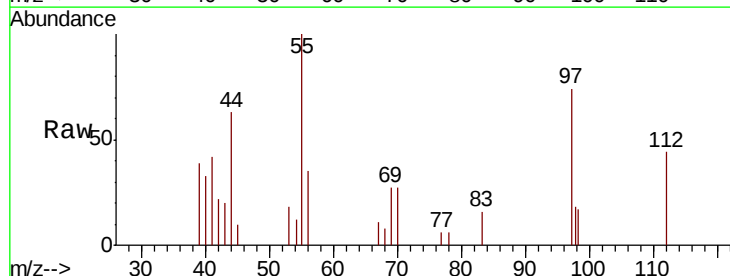
Instrument :
MSVOA_F
ClientSampled :
4UST-SW-6

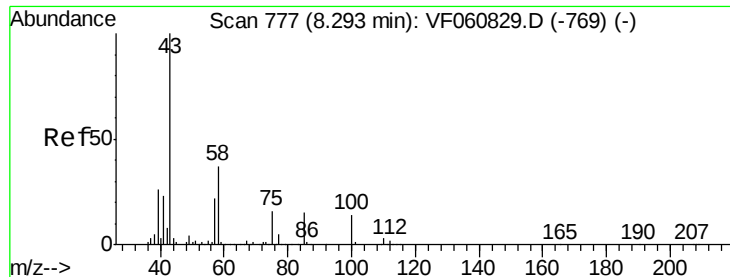
Tot Ion: 41 Resp: 227
Ion Ratio Lower Upper
41 100
69 0.0 53.9 80.9#
39 0.0 49.0 73.6#



#50
Toluene-d8
Concen: 94.023 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.03 min
Lab File: VF060922.D
Acq: 6 Dec 2018 17:35

Tgt Ion: 98 Resp: 947
Ion Ratio Lower Upper
98 100
100 0.0 59.3 88.9#





#51

4-Methyl-2-Pentanone

Concen: 14089.111 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

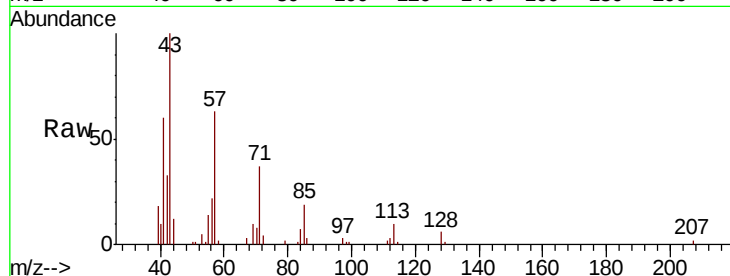
4UST-SW-6

Tot Ion: 43 Resp: 25240

Ion Ratio Lower Upper

43 100

58 2.3 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.28

10000

8000

6000

4000

2000

0

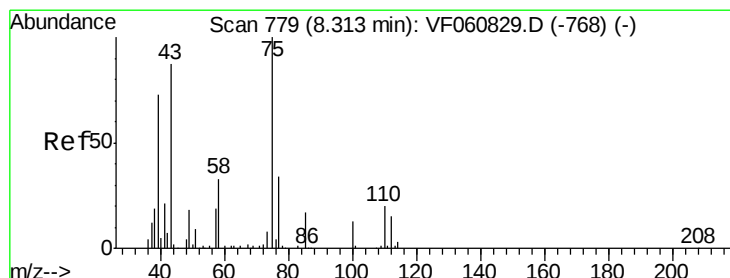
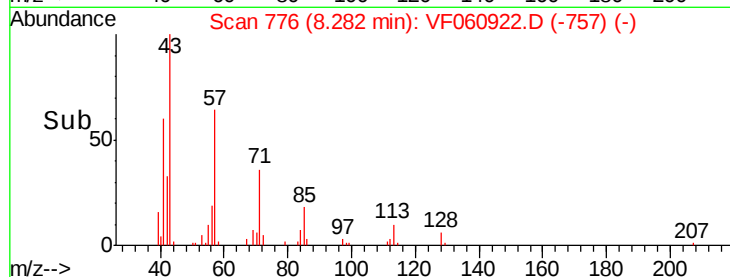
Time-->

8.10

8.20

8.30

8.40



#53

t-1,3-Dichloropropene

Concen: 21.892 ug/l

RT: 8.30 min Scan# 778

Delta R.T. -0.01 min

Lab File: VF060922.D

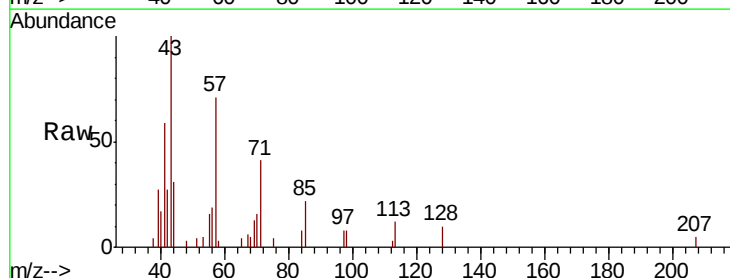
Acq: 6 Dec 2018 17:35

Tgt Ion: 75 Resp: 88

Ion Ratio Lower Upper

75 100

77 0.0 27.4 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.30

150

100

50

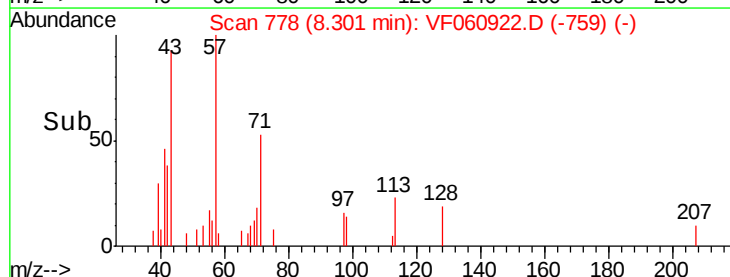
0

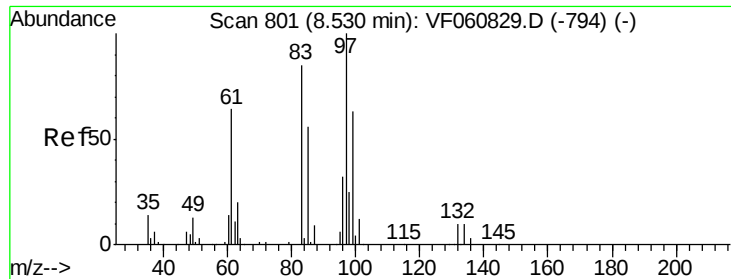
Time-->

8.28

8.30

8.32





#55

1,1,2-Trichloroethane

Concen: 891.010 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.14 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

4UST-SW-6

Tot Ion: 97 Resp: 1926

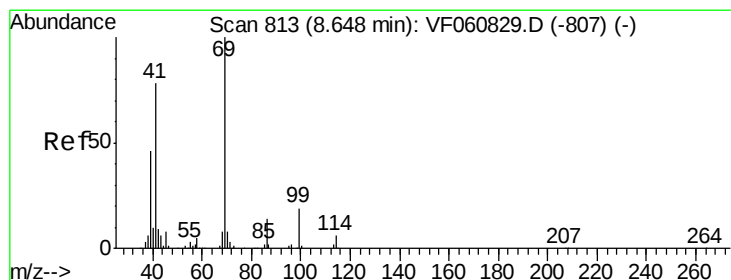
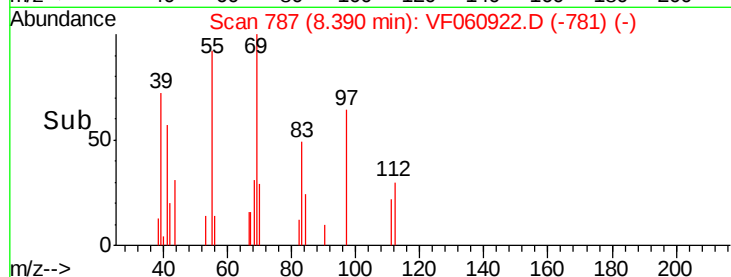
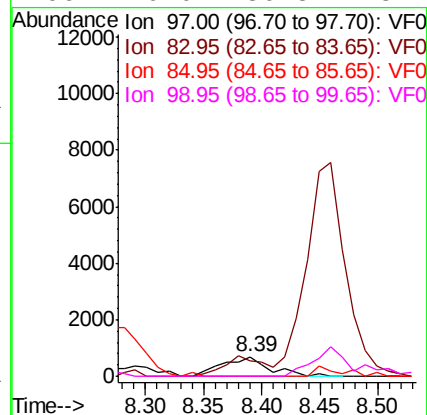
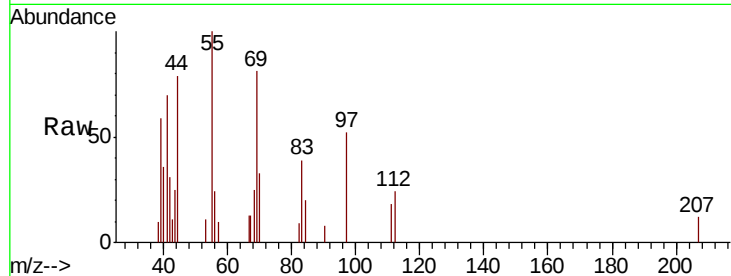
Ion Ratio Lower Upper

97 100

83 75.9 67.8 101.6

85 0.0 45.0 67.6#

99 0.0 50.5 75.7#



#56

Ethyl methacrylate

Concen: 20934.889 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.03 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

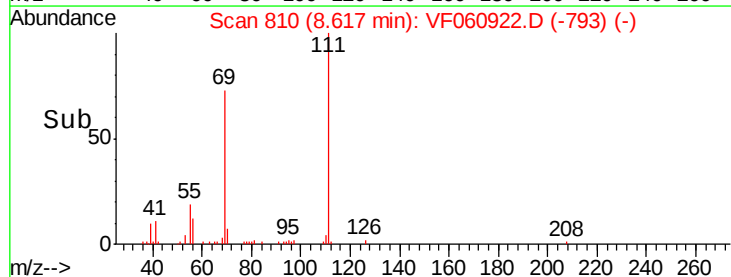
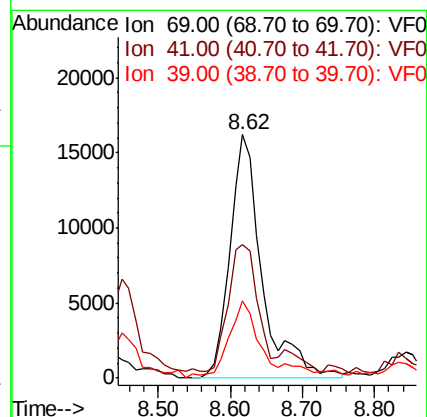
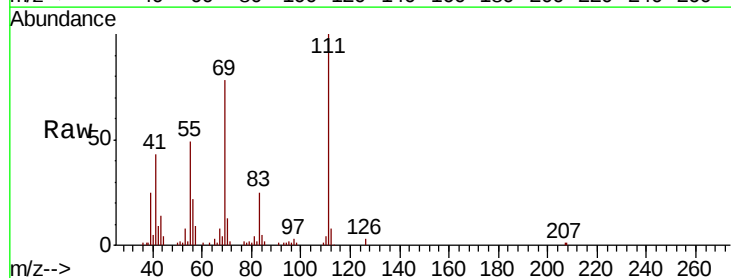
Tgt Ion: 69 Resp: 50270

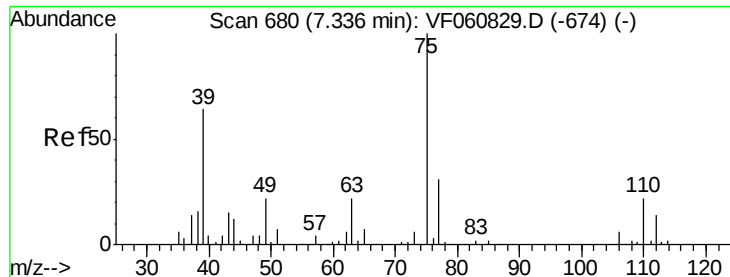
Ion Ratio Lower Upper

69 100

41 54.8 62.6 94.0#

39 31.5 37.8 56.6#





#58

2-Chloroethyl Vinyl ether

Concen: 256.500 ug/l

RT: 7.30 min Scan# 677

Delta R.T. -0.03 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

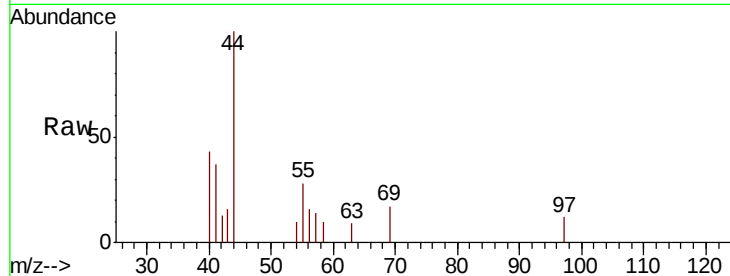
4UST-SW-6

Tot Ion: 63 Resp: 63

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

7.30

100

80

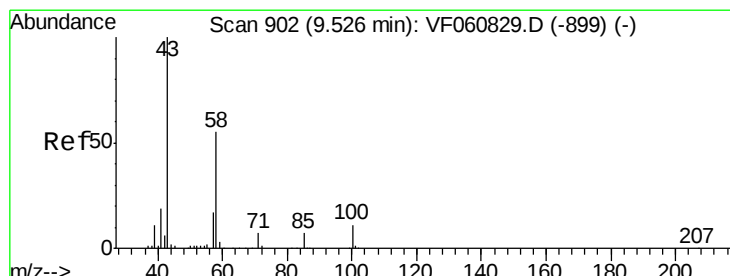
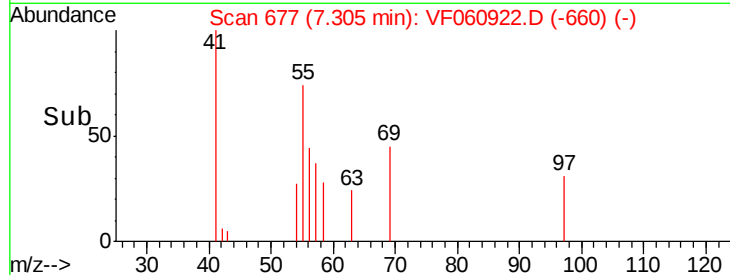
60

40

20

0

Time-->



#59

2-Hexanone

Concen: 3644.133 ug/l

RT: 9.52 min Scan# 902

Delta R.T. -0.00 min

Lab File: VF060922.D

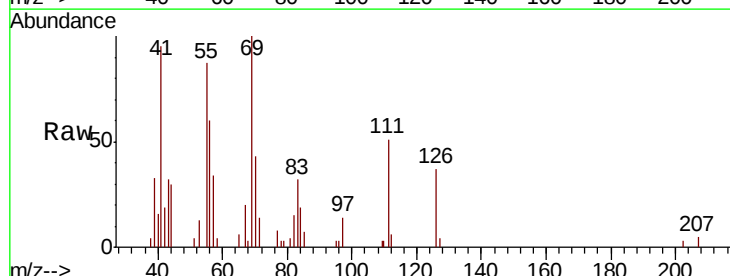
Acq: 6 Dec 2018 17:35

Tgt Ion: 43 Resp: 4580

Ion Ratio Lower Upper

43 100

58 11.5 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2000

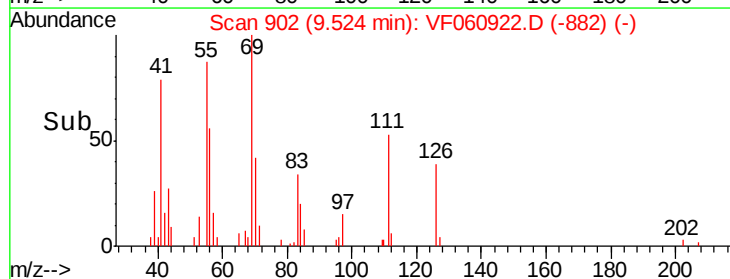
1500

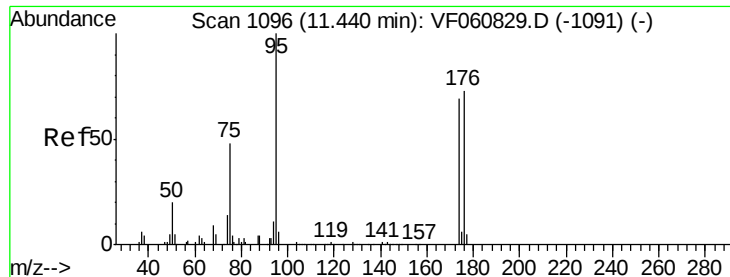
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 674.808 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.06 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampled :

4UST-SW-6

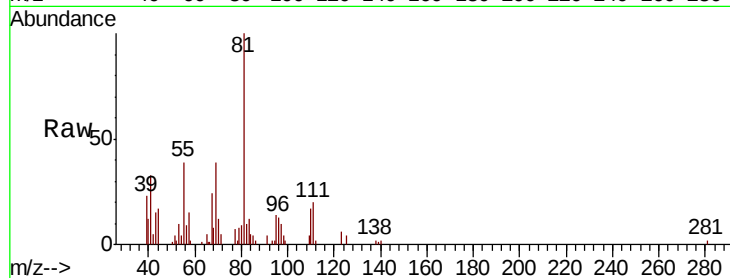
Tot Ion: 95 Resp: 3089

Ion Ratio Lower Upper

95 100

174 0.0 0.0 138.2

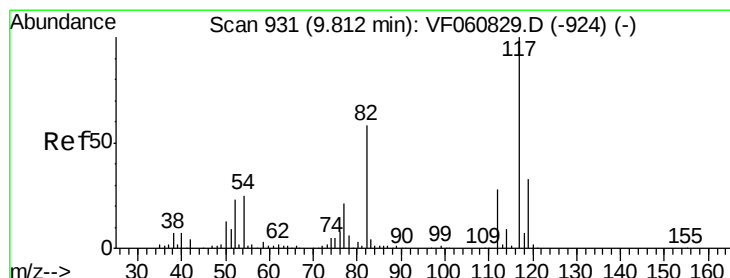
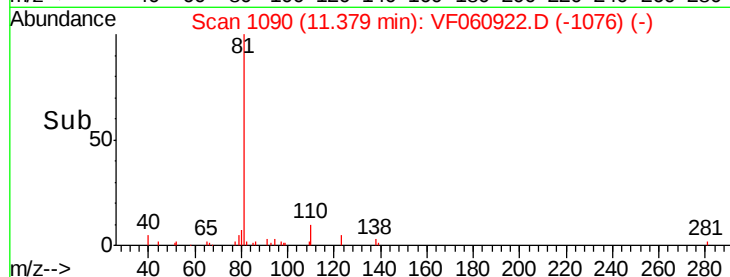
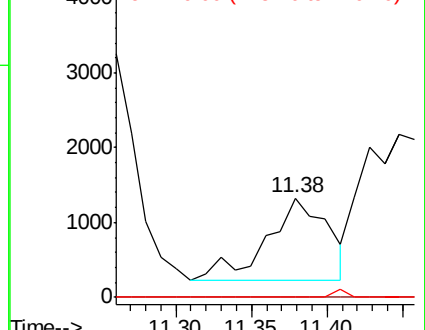
176 0.0 0.0 146.2



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: VF060922.D

Acq: 6 Dec 2018 17:35

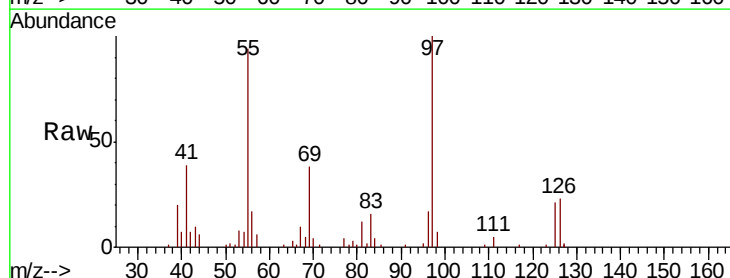
Tgt Ion: 117 Resp: 239

Ion Ratio Lower Upper

117 100

82 204.5 46.6 69.8#

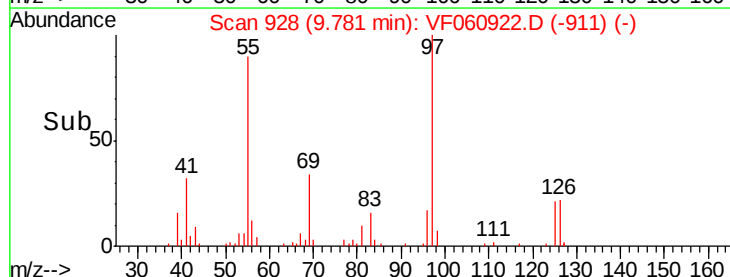
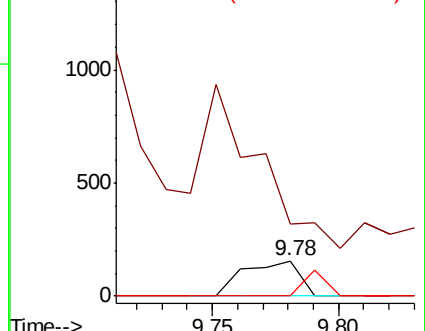
119 0.0 26.4 39.6#

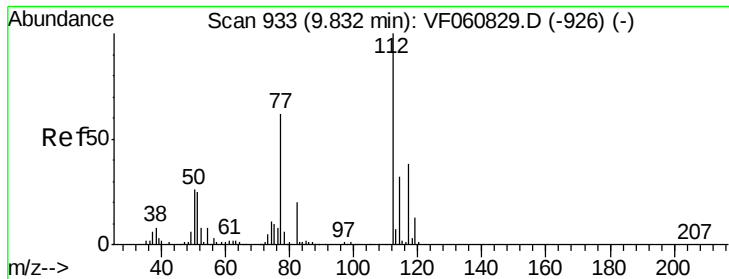


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#65

Chlorobenzene

Concen: 18.497 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.09 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

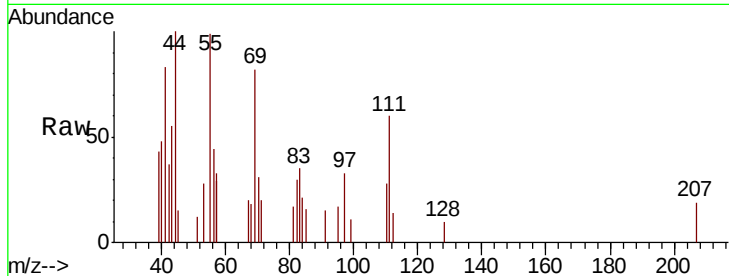
4UST-SW-6

Tot Ion:112 Resp: 86

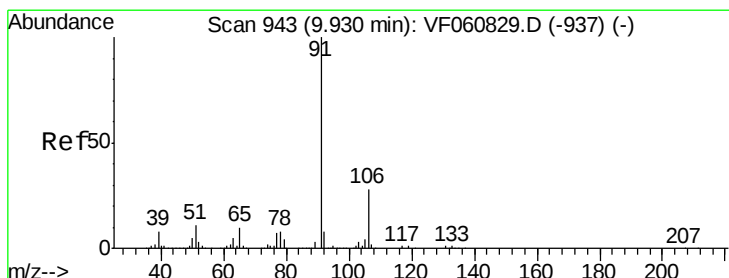
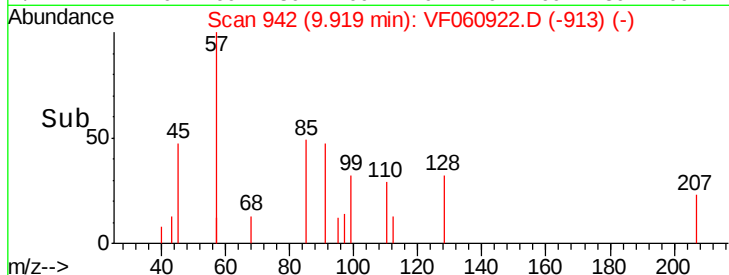
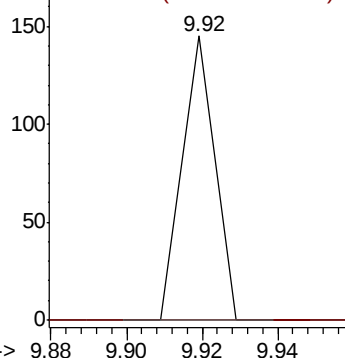
Ion Ratio Lower Upper

112 100

114 0.0 26.0 39.0#



Abundance Ion 112.00 (111.70 to 112.70): V



#67

Ethyl Benzene

Concen: 58.688 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.02 min

Lab File: VF060922.D

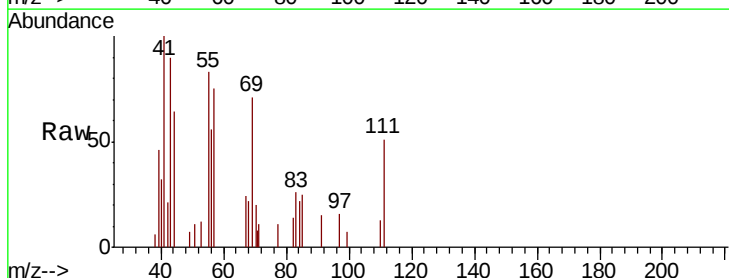
Acq: 6 Dec 2018 17:35

Tgt Ion: 91 Resp: 508

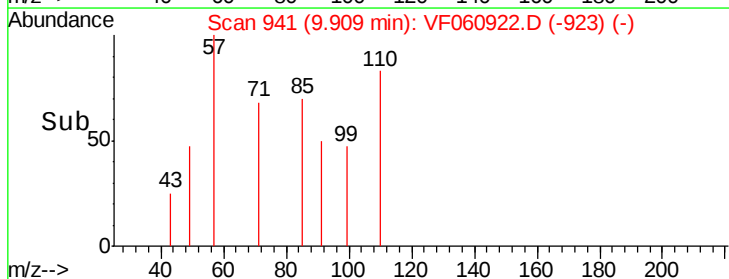
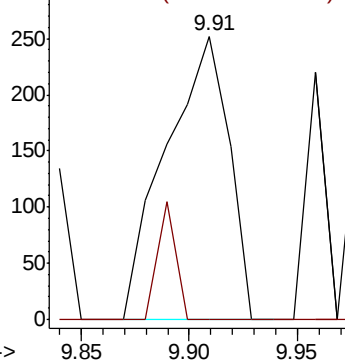
Ion Ratio Lower Upper

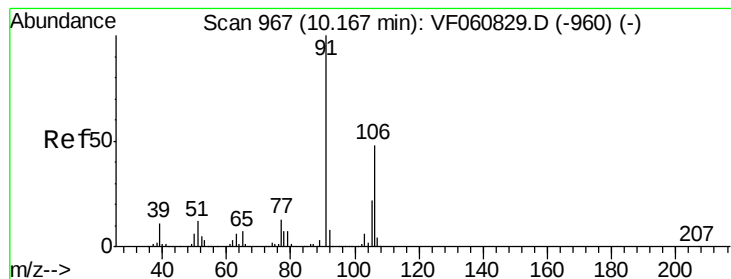
91 100

106 0.0 22.2 33.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0





#68

m/p-Xylenes

Concen: 375.500 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.04 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

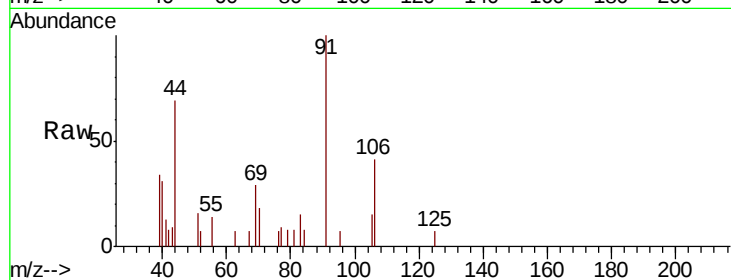
4UST-SW-6

Tot Ion:106 Resp: 1169

Ion Ratio Lower Upper

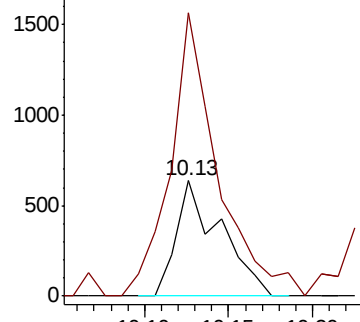
106 100

91 245.5 166.7 250.1

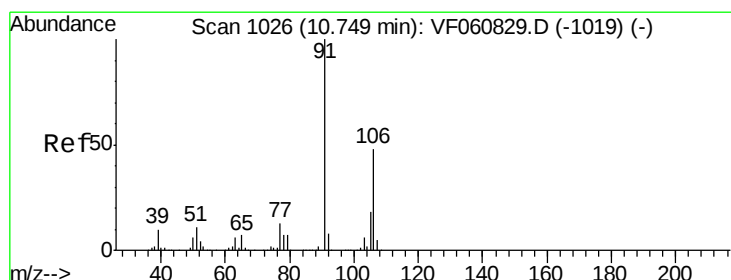
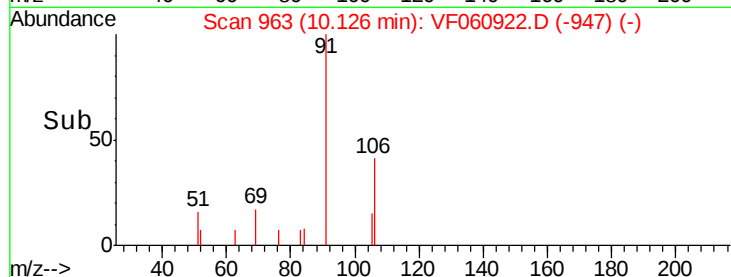


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time-->



#69

o-Xylene

Concen: 168.369 ug/l

RT: 10.71 min Scan# 1022

Delta R.T. -0.04 min

Lab File: VF060922.D

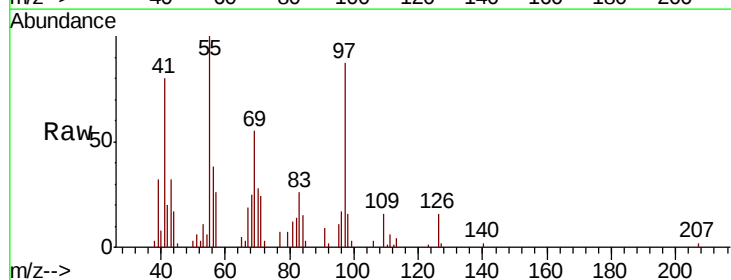
Acq: 6 Dec 2018 17:35

Tgt Ion:106 Resp: 578

Ion Ratio Lower Upper

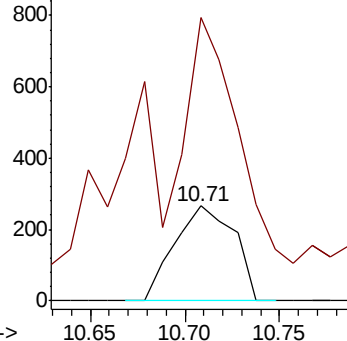
106 100

91 298.1 104.8 314.6

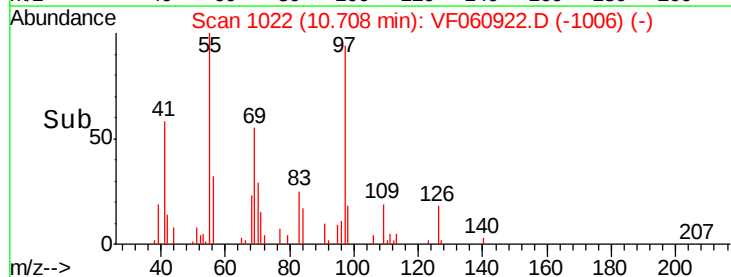


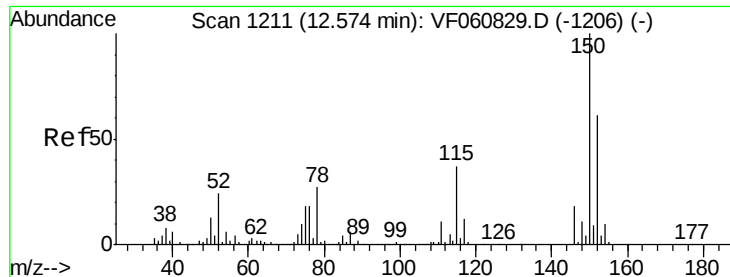
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time-->



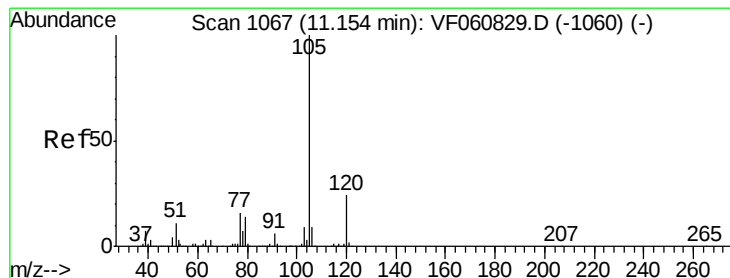
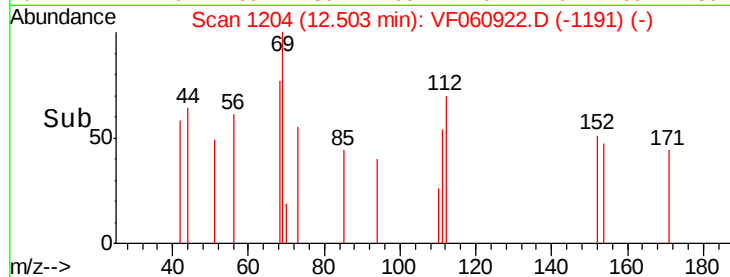
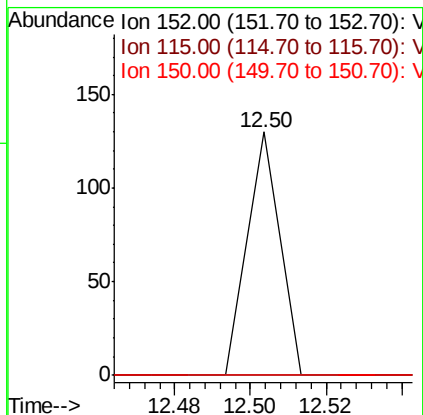
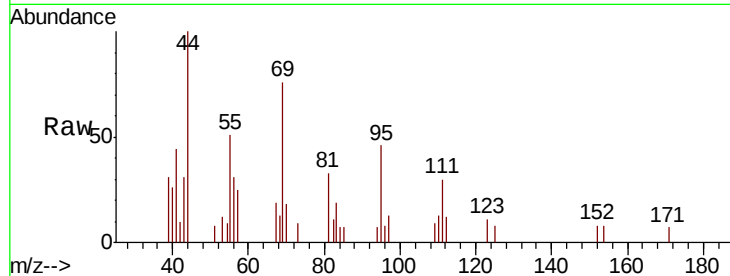


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.50 min Scan# 1204
Delta R.T. -0.07 min
Lab File: VF060922.D
Acq: 6 Dec 2018 17:35

Instrument :
MSVOA_F
ClientSampleId :
4UST-SW-6

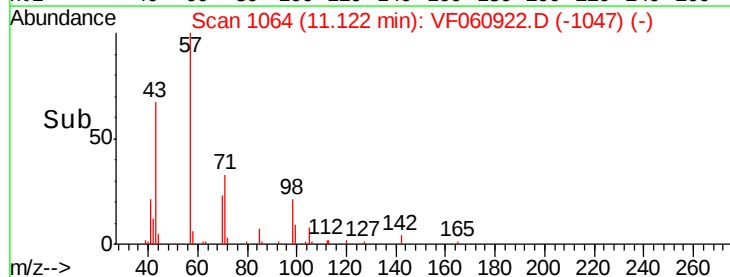
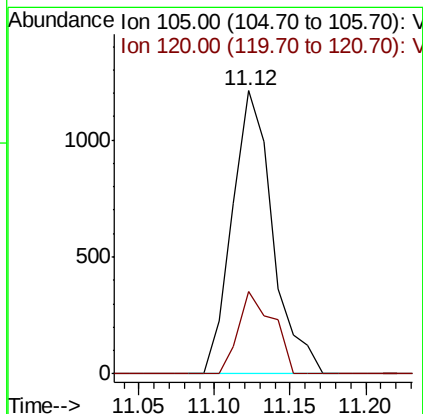
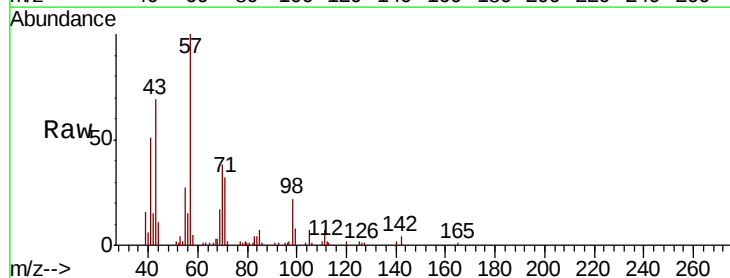
Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	30.1	90.5#
150	0.0	0.0	327.6

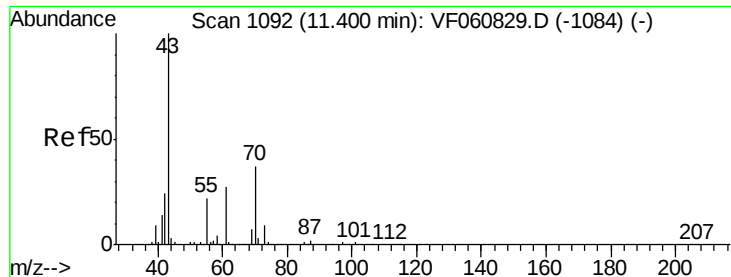


#73

Isopropylbenzene
Concen: 370.750 ug/l
RT: 11.12 min Scan# 1064
Delta R.T. -0.03 min
Lab File: VF060922.D
Acq: 6 Dec 2018 17:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.1	12.2	36.4





#74

N-amvl acetate

Concen: 1979.921 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

4UST-SW-6

Tot Ion: 43 Resp: 2782

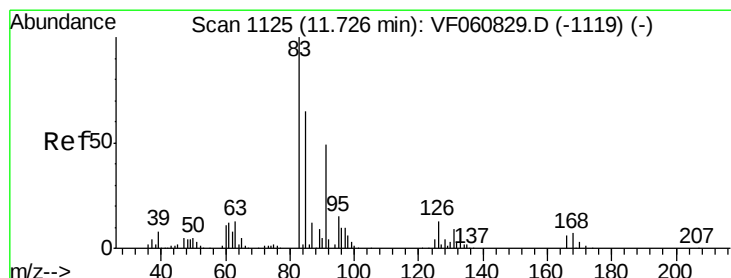
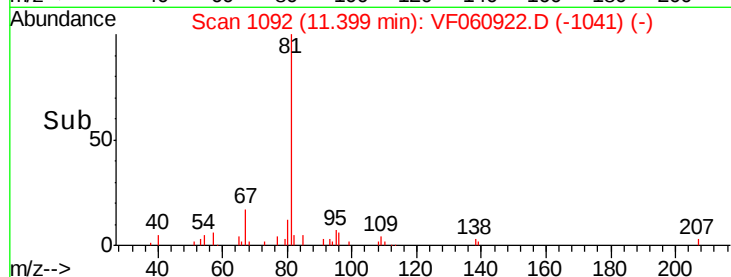
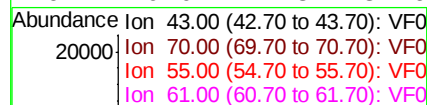
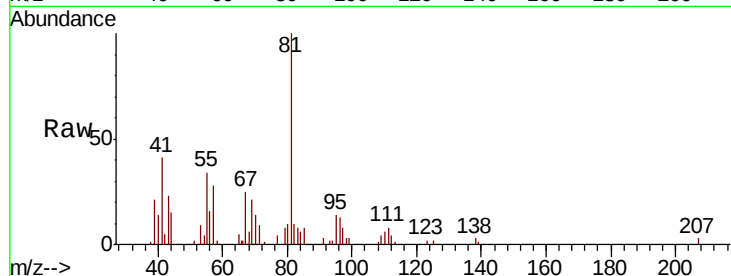
Ion Ratio Lower Upper

43 100

70 63.3 29.6 44.4#

55 149.3 17.2 25.8#

61 0.0 21.8 32.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 2319.633 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. 0.05 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

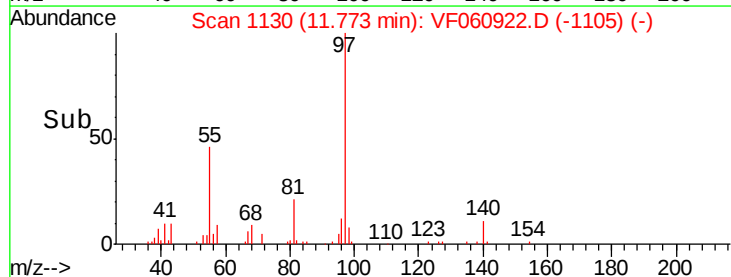
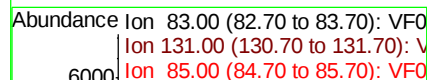
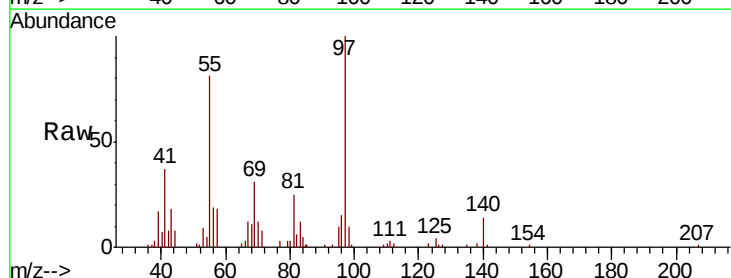
Tgt Ion: 83 Resp: 2323

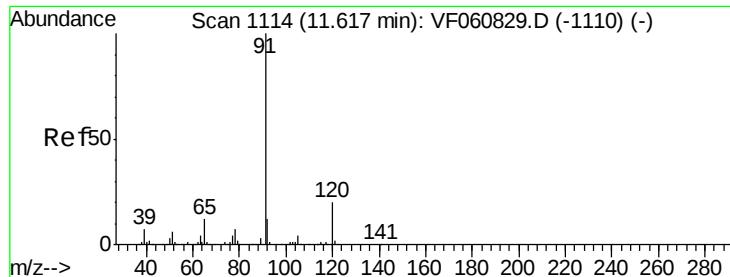
Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 19.3 32.6 97.8#





#78

n-propylbenzene

Concen: 128.123 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

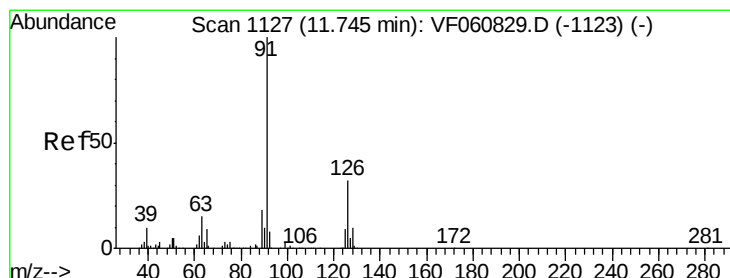
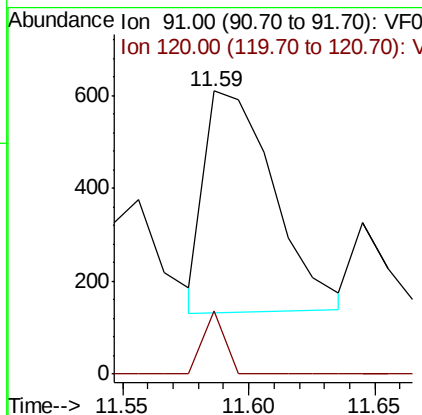
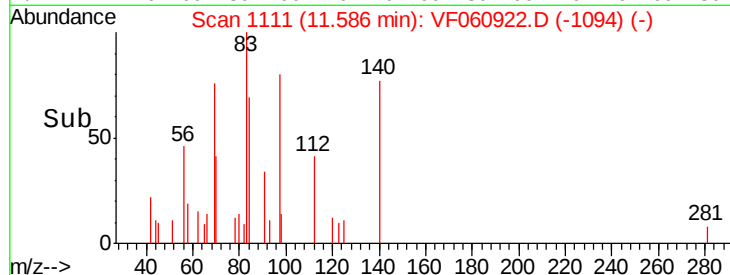
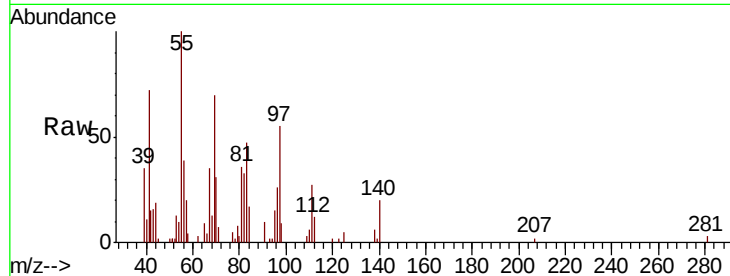
4UST-SW-6

Tot Ion: 91 Resp: 913

Ion Ratio Lower Upper

91 100

120 22.5 10.3 30.8



#79

2-Chlorotoluene

Concen: 28.880 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VF060922.D

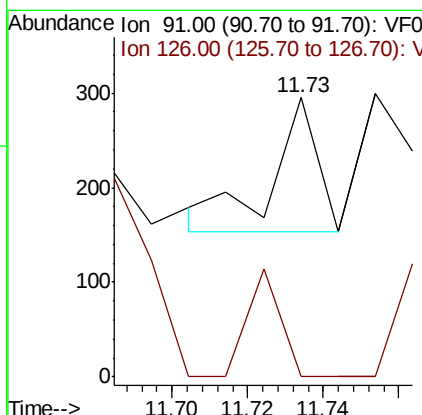
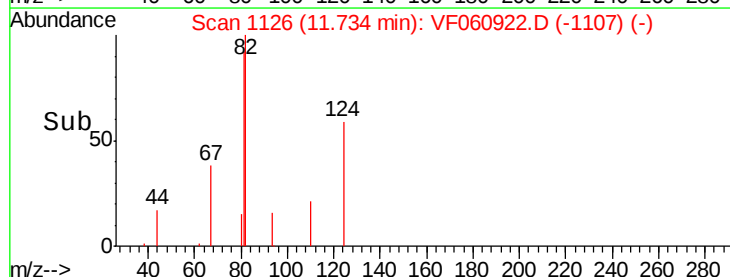
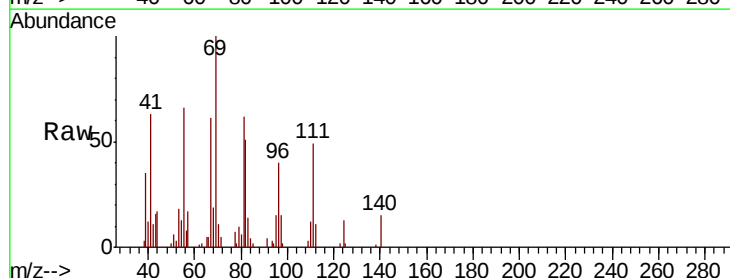
Acq: 6 Dec 2018 17:35

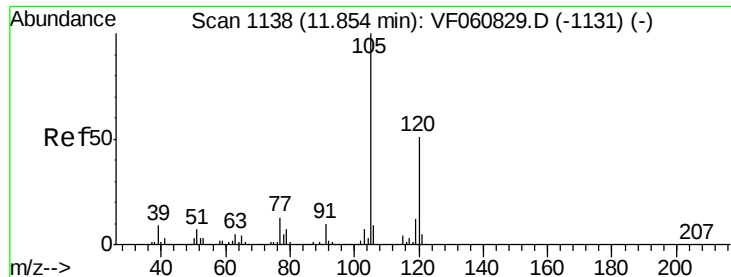
Tgt Ion: 91 Resp: 118

Ion Ratio Lower Upper

91 100

126 0.0 15.9 47.6#

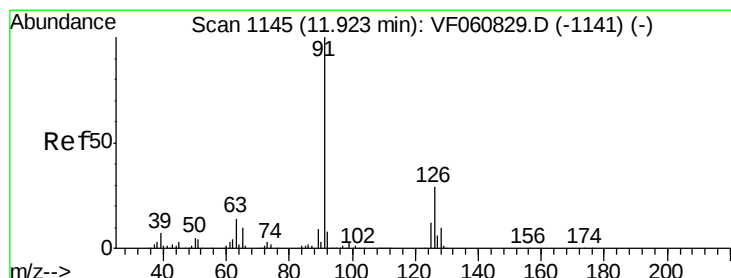
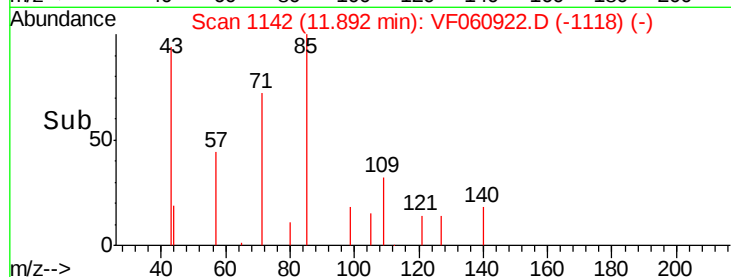
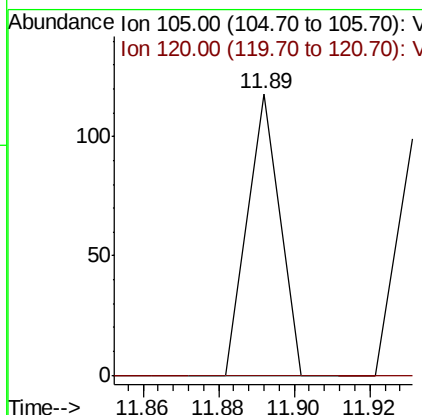
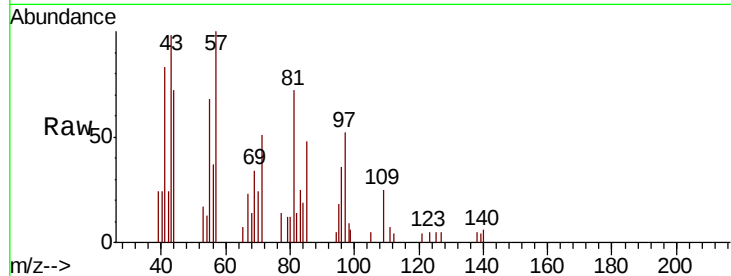




#80
 1,3,5-Trimethylbenzene
 Concen: 14.170 ug/l
 RT: 11.89 min Scan# 1142
 Delta R.T. 0.04 min
 Lab File: VF060922.D
 Acq: 6 Dec 2018 17:35

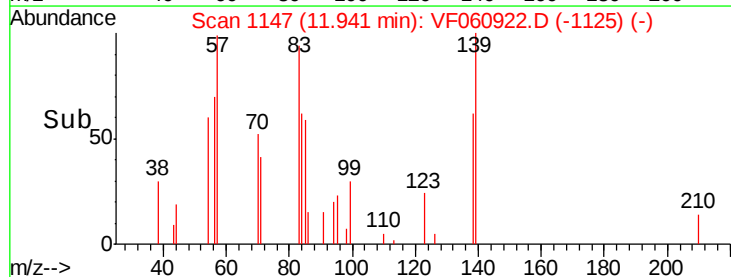
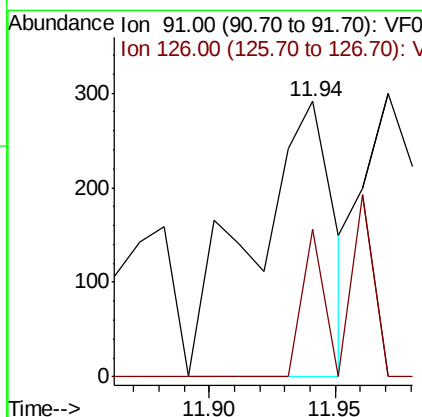
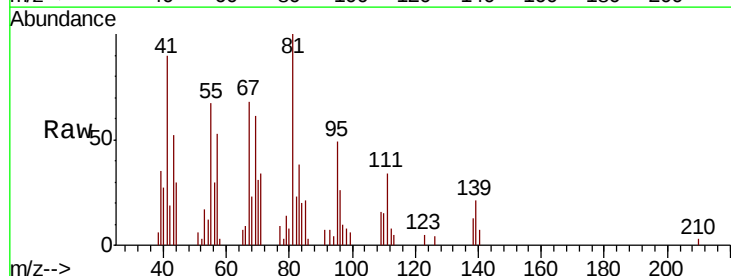
Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-SW-6

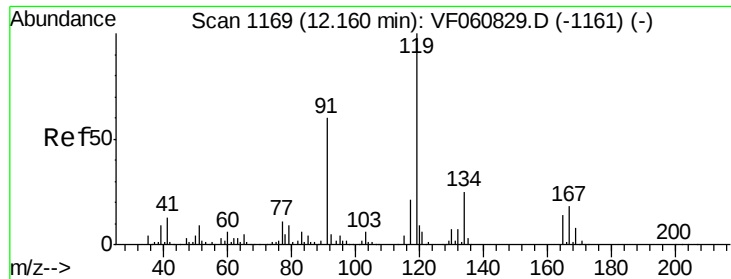
Tot Ion:105 Resp: 70
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.8 77.3#



#82
 4-Chlorotoluene
 Concen: 151.397 ug/l
 RT: 11.94 min Scan# 1147
 Delta R.T. 0.02 min
 Lab File: VF060922.D
 Acq: 6 Dec 2018 17:35

Tgt Ion: 91 Resp: 651
 Ion Ratio Lower Upper
 91 100
 126 53.6 14.8 44.4#

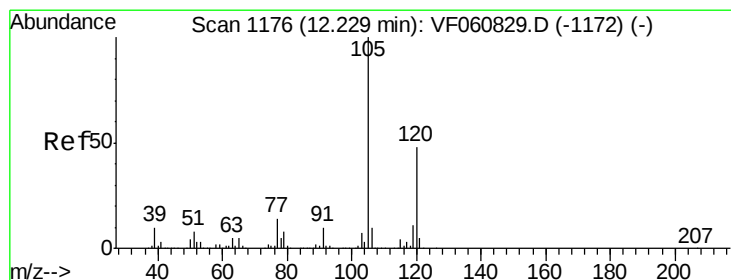
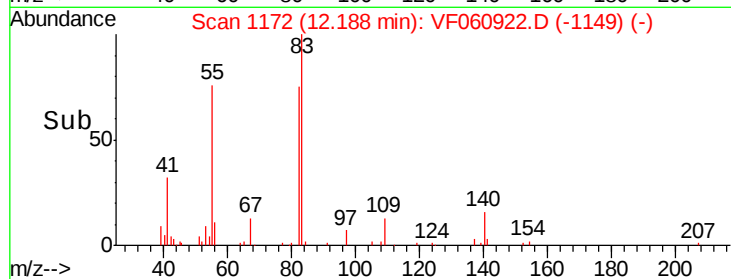
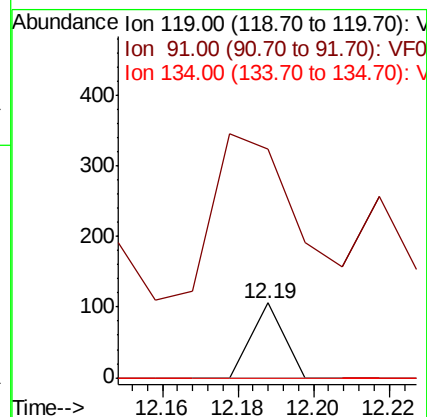
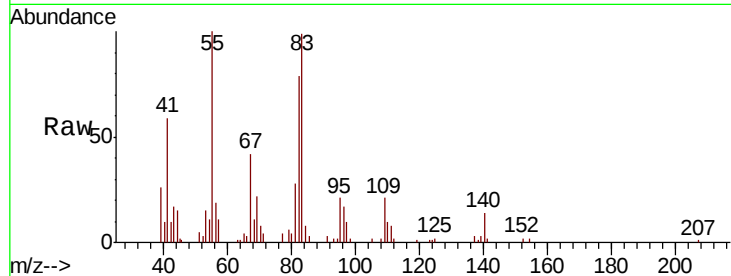




#83
tert-Butylbenzene
Concen: 12.520 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. 0.03 min
Lab File: VF060922.D
Acq: 6 Dec 2018 17:35

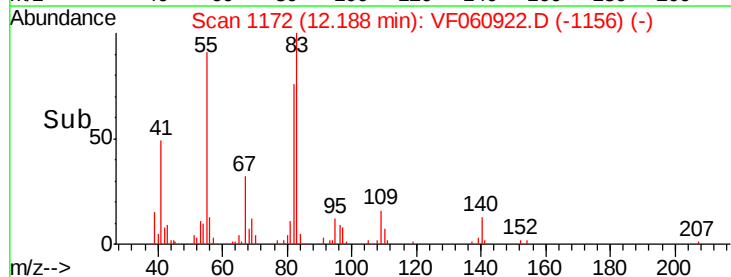
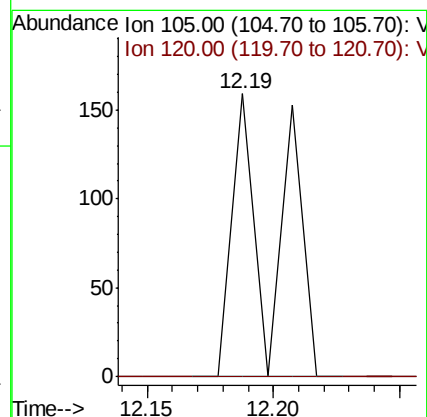
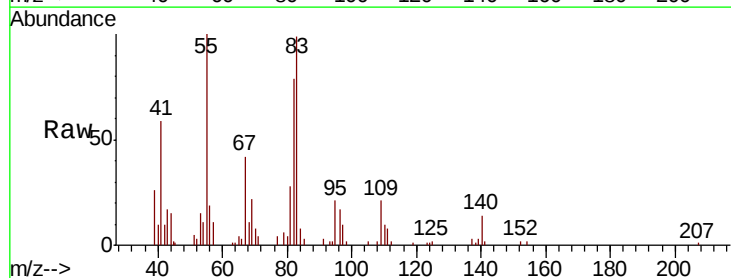
Instrument :
MSVOA_F
ClientSampleId :
4UST-SW-6

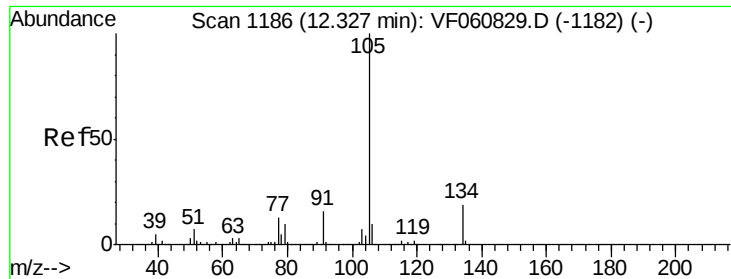
Tot Ion:119 Resp: 63
Ion Ratio Lower Upper
119 100
91 305.7 30.1 90.3#
134 0.0 12.6 37.8#



#84
1,2,4-Trimethylbenzene
Concen: 37.525 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.04 min
Lab File: VF060922.D
Acq: 6 Dec 2018 17:35

Tgt Ion:105 Resp: 185
Ion Ratio Lower Upper
105 100
120 0.0 23.8 71.5#





#85

sec-Butylbenzene

Concen: 92.910 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

Instrument :

MSVOA_F

ClientSampleId :

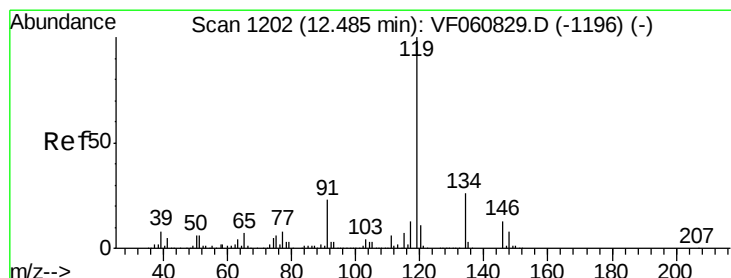
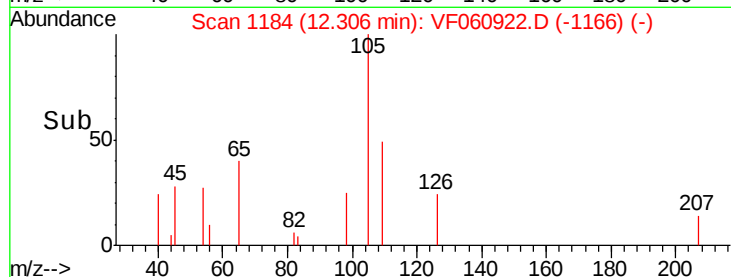
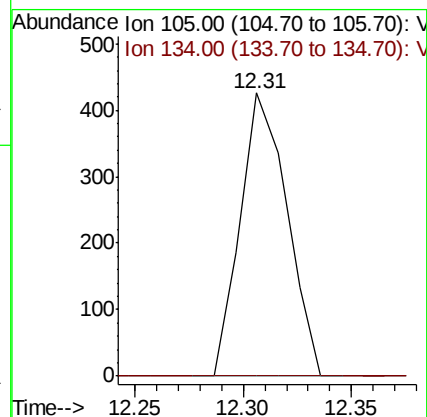
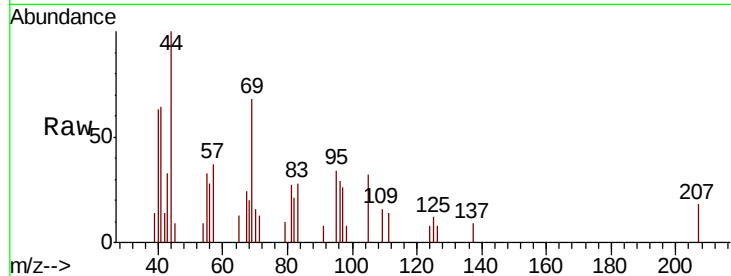
4UST-SW-6

Tot Ion:105 Resp: 640

Ion Ratio Lower Upper

105 100

134 0.0 9.5 28.5#



#86

p-Isopropyltoluene

Concen: 11.255 ug/l

RT: 12.59 min Scan# 1213

Delta R.T. 0.11 min

Lab File: VF060922.D

Acq: 6 Dec 2018 17:35

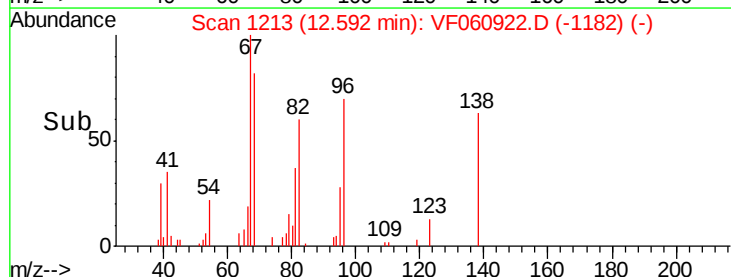
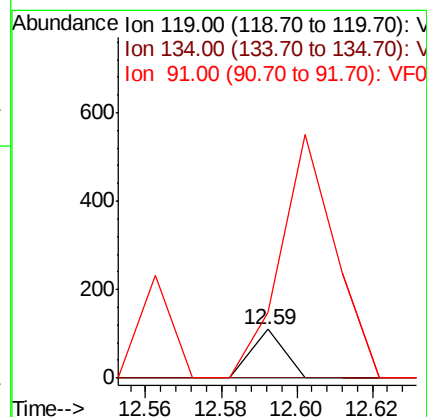
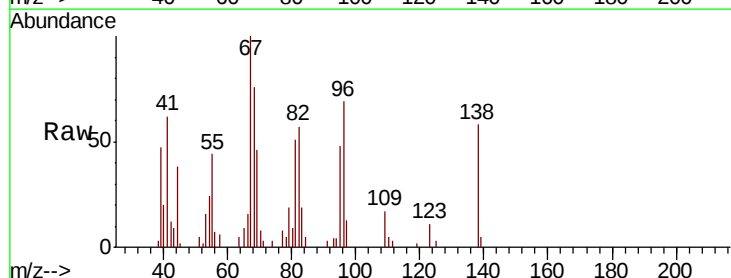
Tgt Ion:119 Resp: 65

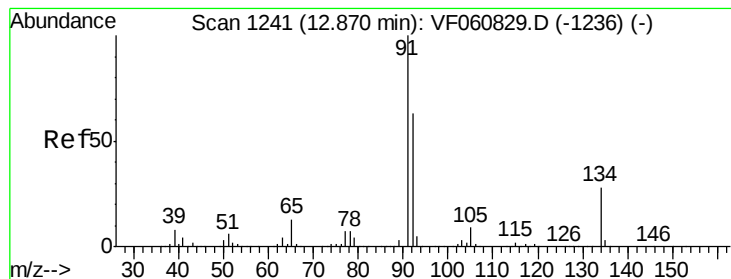
Ion Ratio Lower Upper

119 100

134 0.0 12.9 38.6#

91 133.6 11.8 35.3#





#89
 n-Butylbenzene
 Concen: 35.619 ug/l
 RT: 12.89 min Scan# 1243
 Delta R.T. 0.02 min
 Lab File: VF060922.D
 Acq: 6 Dec 2018 17:35

Instrument :
 MSVOA_F
 ClientSampleId :
 4UST-SW-6

Tot Ion: 91 Resp: 208
 Ion Ratio Lower Upper
 91 100
 92 0.0 31.6 94.7#
 134 0.0 13.8 41.4#

