

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025665.D
 Acq On : 27 Jul 2018 13:37
 Operator : MD/SY
 Sample : VN0727WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBL01

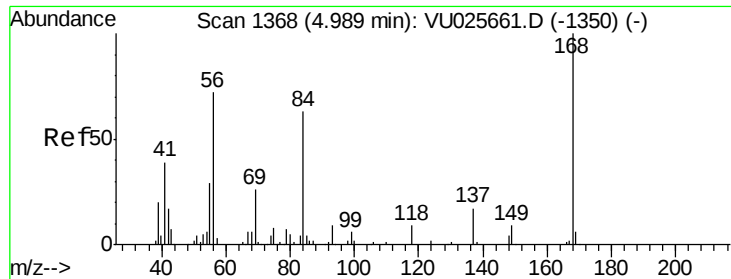
Quant Time: Jul 28 03:35:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	163345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	251754	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	239432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	143127	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	124489	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	4.89	113	104089	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	7.57	98	359629	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
62) 4-Bromofluorobenzene	10.31	95	135527	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.41	142	44	8.62	ug/l #	39
11) Tert butyl alcohol	2.83	59	276	0.50	ug/l #	73
13) Acrolein	2.20	56	49	Below Cal	#	1
15) Acrylonitrile	2.93	53	251	0.23	ug/l #	41
16) Acetone	2.33	43	1250	1.01	ug/l	95
17) Carbon Disulfide	2.48	76	5676	1.00	ug/l	99
20) Methylene Chloride	2.71	84	452	0.21	ug/l #	57
21) trans-1,2-Dichloroethene	2.98	96	743	0.37	ug/l	92
29) Tetrahydrofuran	4.64	42	240	0.24	ug/l #	62
31) Cyclohexane	4.99	56	3526	Below Cal	#	30
38) Carbon Tetrachloride	4.98	117	15673	4.70	ug/l #	17
41) Methacrylonitrile	4.64	41	346	0.20	ug/l #	42
49) 1,4-Dioxane	6.63	88	41	0.68	ug/l #	22
51) 4-Methyl-2-Pentanone	7.47	43	990	0.31	ug/l #	77
58) 2-Chloroethyl Vinyl ether	7.14	63	20	7.09	ug/l #	47
59) 2-Hexanone	8.37	43	1634	0.66	ug/l	86
74) N-amyl acetate	10.02	43	860	0.22	ug/l #	57
76) 1,2,3-Trichloropropane	10.31	75	70650	22.40	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	70650	56.18	ug/l #	100
82) 4-Chlorotoluene	10.78	91	1673	0.21	ug/l	95
87) 1,3-Dichlorobenzene	11.42	146	1478	0.30	ug/l	90
88) 1,4-Dichlorobenzene	11.42	146	1478	0.28	ug/l	90
89) n-Butylbenzene	11.90	91	2055	0.25	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	1012	0.21	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.66	75	166	0.21	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.51	180	1640	0.50	ug/l	96
94) Hexachlorobutadiene	13.70	225	508	0.29	ug/l	91
95) Naphthalene	13.75	128	6193	1.82	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	2036	0.62	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

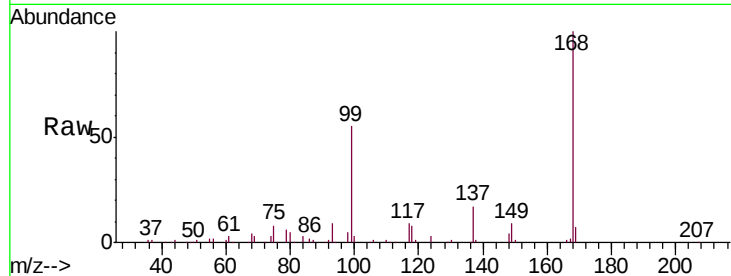
VU0727WBL01

Tot Ion:168 Resp: 163345

Ion Ratio Lower Upper

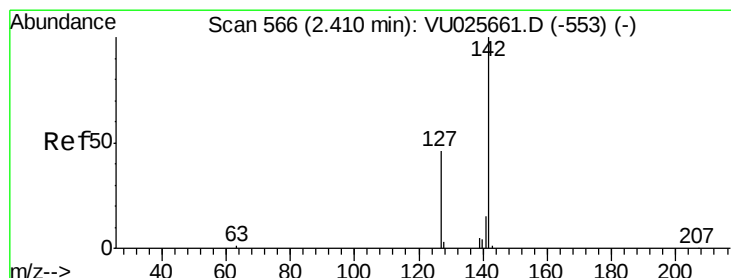
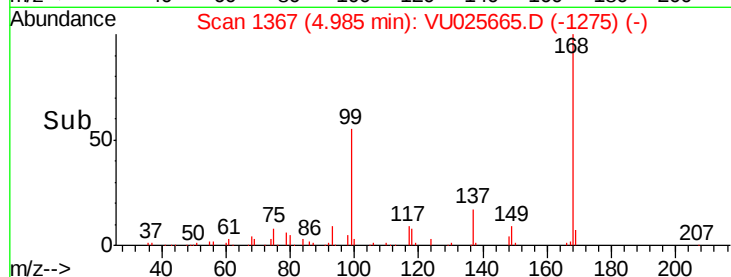
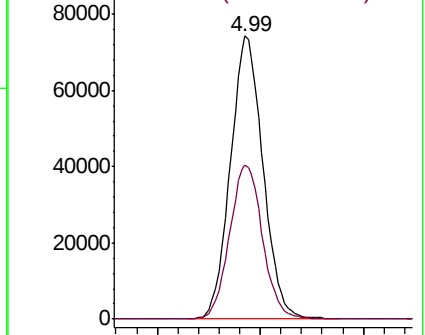
168 100

99 54.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#10

Methyl Iodide

Concen: 8.62 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

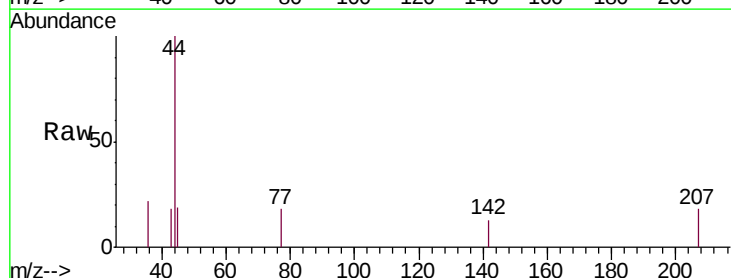
Tgt Ion:142 Resp: 44

Ion Ratio Lower Upper

142 100

127 0.0 36.5 54.7#

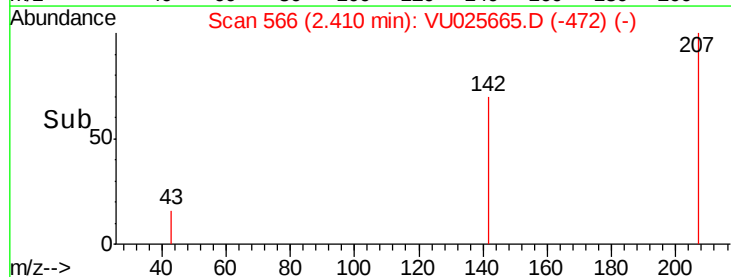
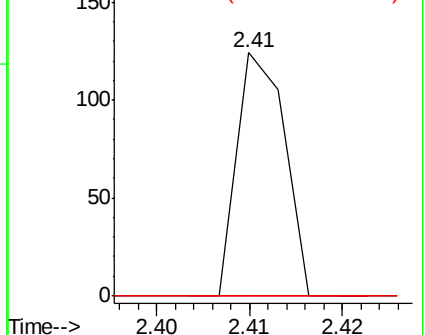
141 0.0 11.4 17.2#

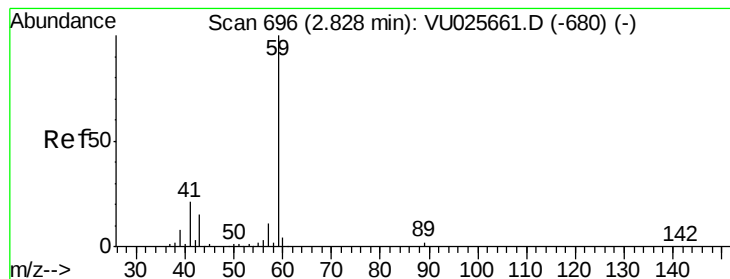


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



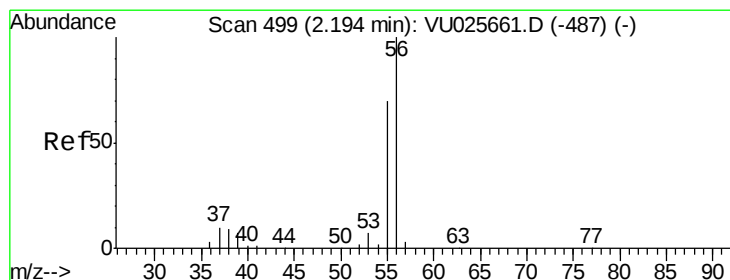
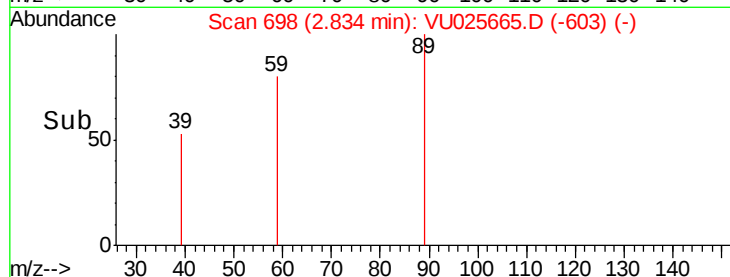
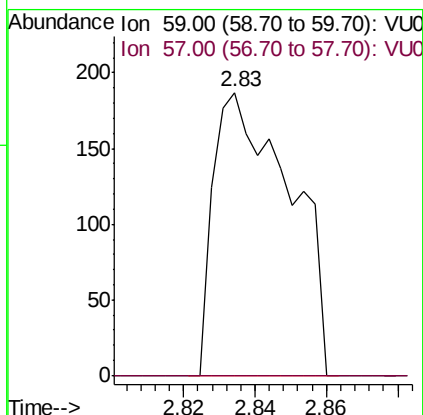
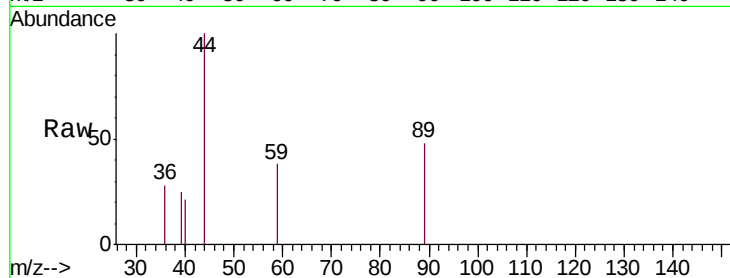


#11

Tert butyl alcohol
 Concen: 0.50 ug/l
 RT: 2.83 min Scan# 698
 Delta R.T. 0.01 min
 Lab File: VU025665.D
 Acq: 27 Jul 2018 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBL01

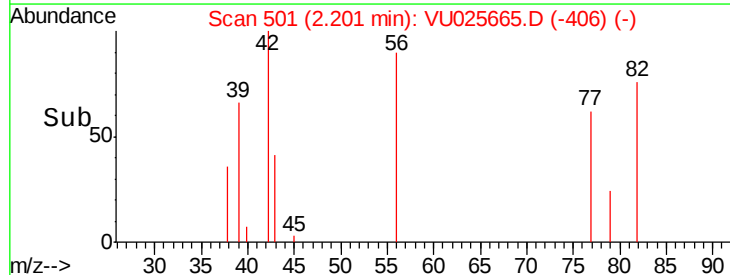
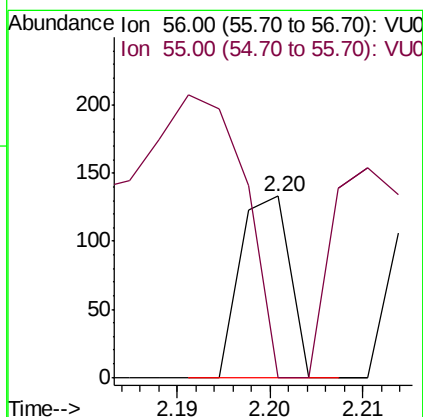
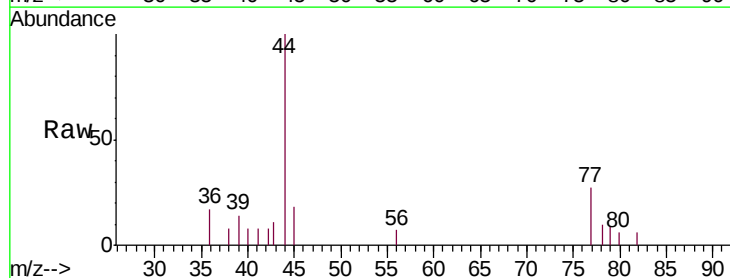
Tot Ion: 59 Resp: 276
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

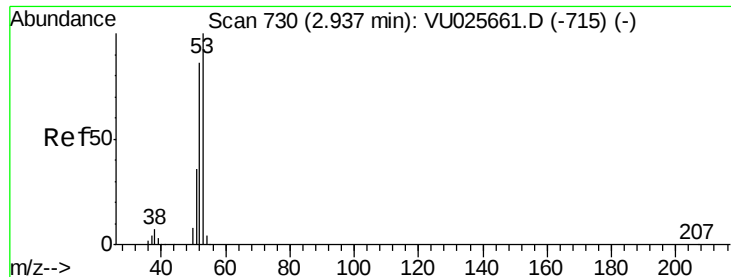


#13

Acrolein
 Concen: Below Cal
 RT: 2.20 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VU025665.D
 Acq: 27 Jul 2018 13:37

Tgt Ion: 56 Resp: 49
 Ion Ratio Lower Upper
 56 100
 55 167.3 57.2 85.8#





#15

Acrylonitrile

Concen: 0.23 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBL01

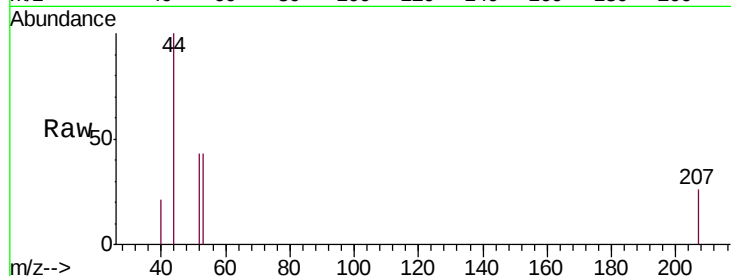
Tot Ion: 53 Resp: 251

Ion Ratio Lower Upper

53 100

52 134.7 66.6 99.8#

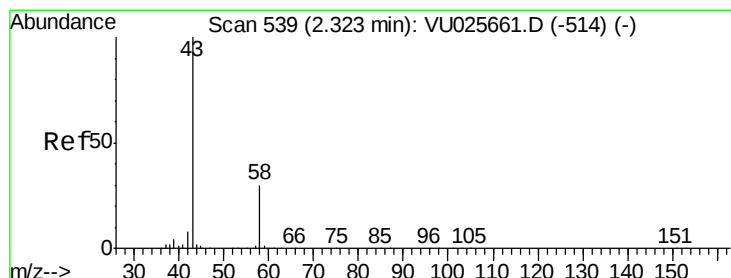
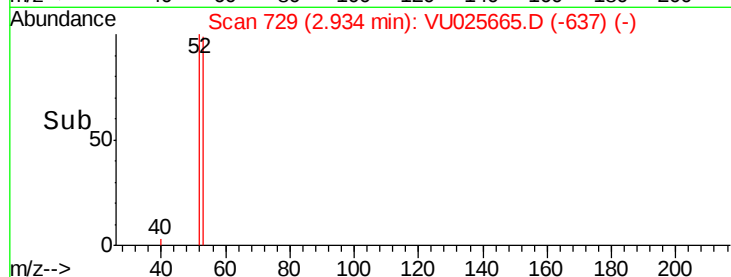
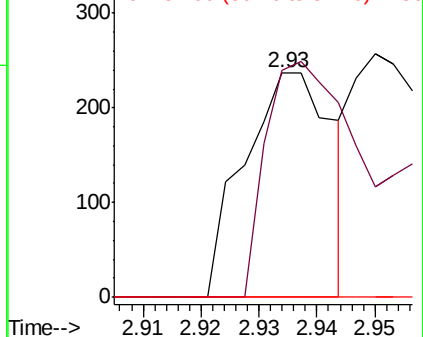
51 0.0 29.4 44.2#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 1.01 ug/l

RT: 2.33 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU025665.D

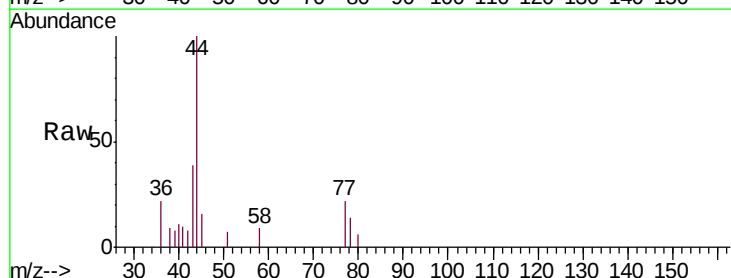
Acq: 27 Jul 2018 13:37

Tgt Ion: 43 Resp: 1250

Ion Ratio Lower Upper

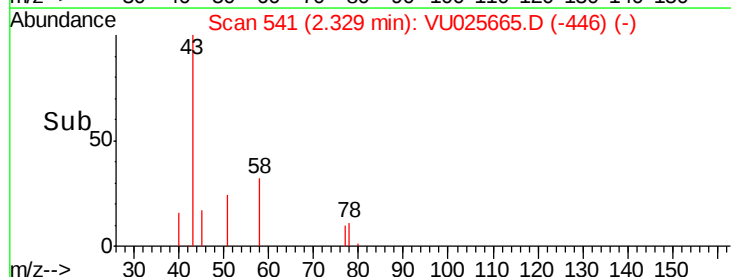
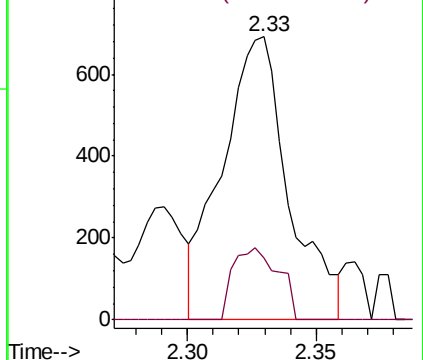
43 100

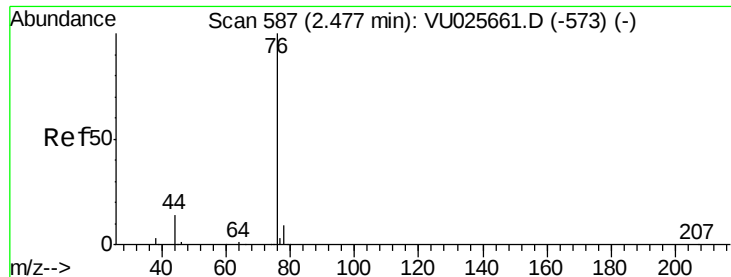
58 26.1 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 1.00 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

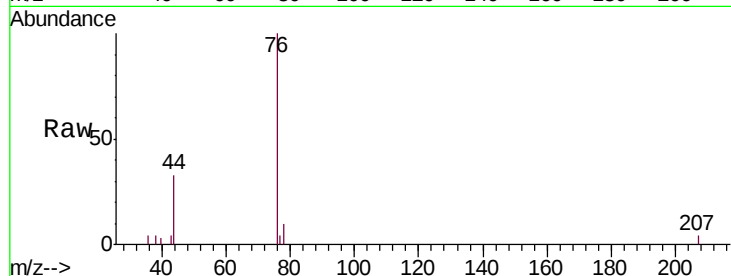
VU0727WBL01

Tot Ion: 76 Resp: 5676

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

4000

3000

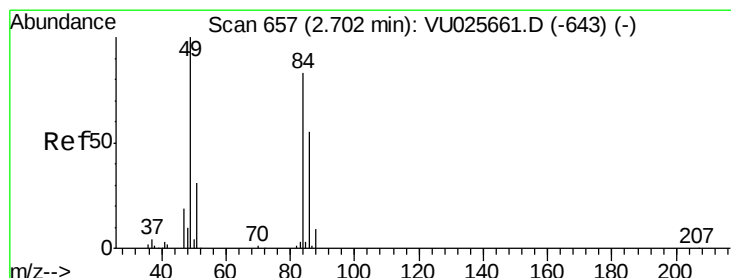
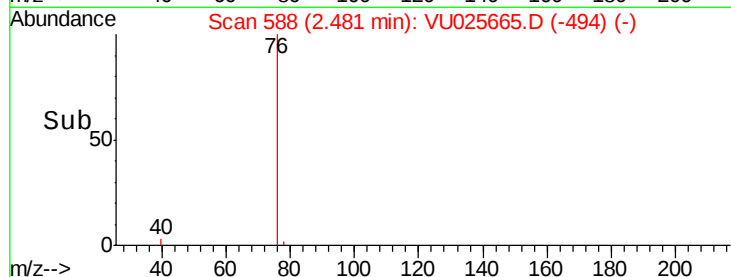
2000

1000

0

2.45 2.50

Time-->



#20

Methylene Chloride

Concen: 0.21 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Tgt Ion: 84 Resp: 452

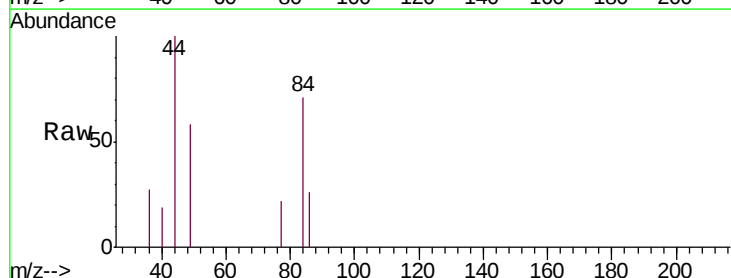
Ion Ratio Lower Upper

84 100

49 81.2 101.8 152.6#

51 0.0 30.8 46.2#

86 36.8 51.9 77.9#



Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

600

500

400

300

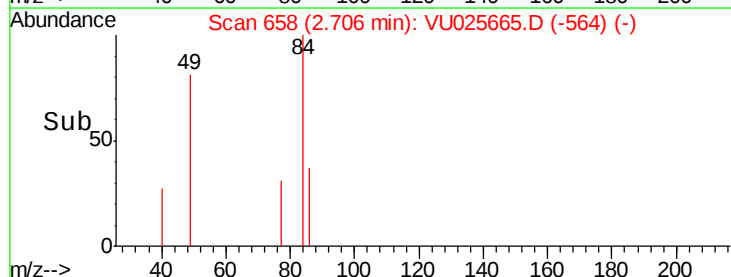
200

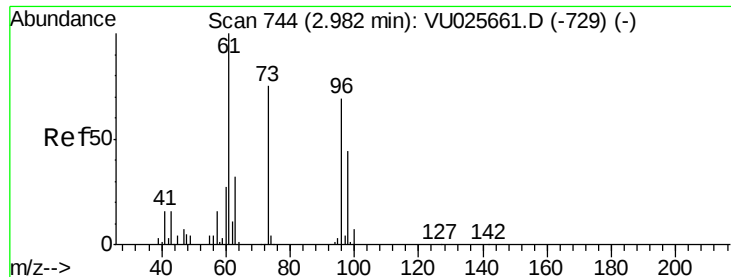
100

0

2.68 2.70 2.72

Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.37 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBL01

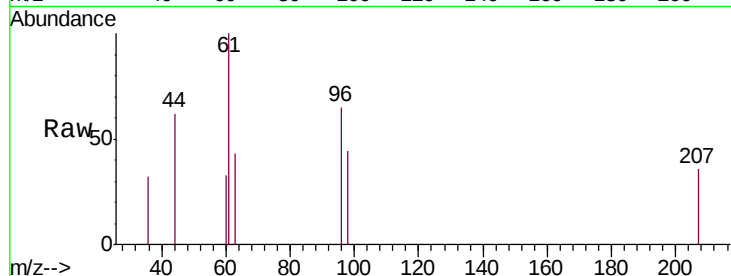
Tot Ion: 96 Resp: 743

Ion Ratio Lower Upper

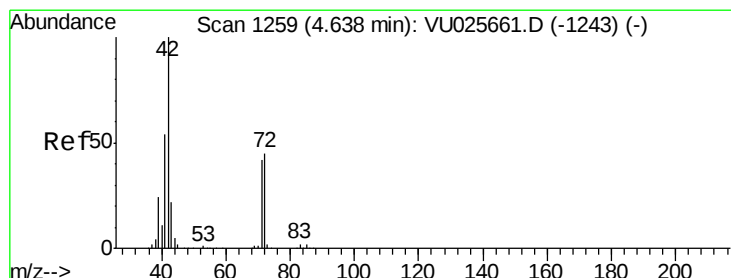
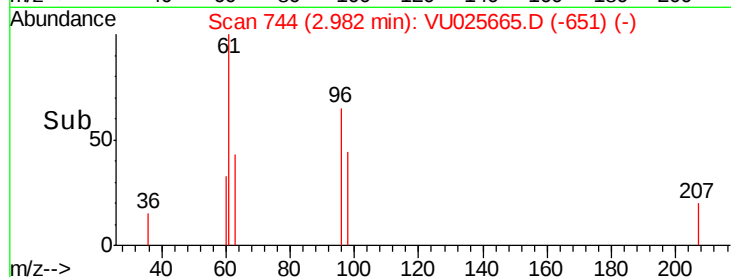
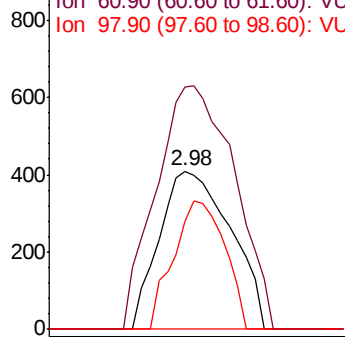
96 100

61 153.5 114.5 171.7

98 68.0 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 4.64 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

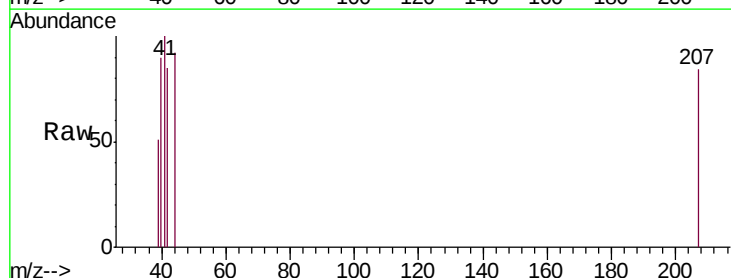
Tgt Ion: 42 Resp: 240

Ion Ratio Lower Upper

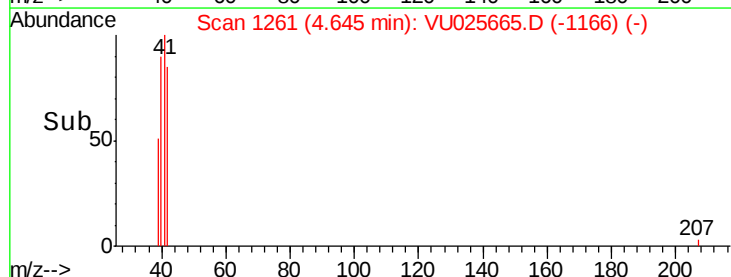
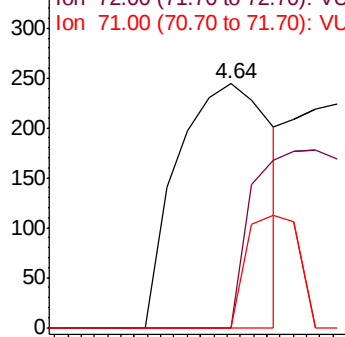
42 100

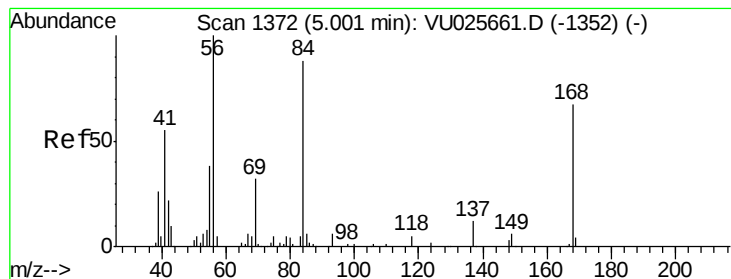
72 78.3 36.7 55.1#

71 25.8 33.9 50.9#



Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

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VU0727WBL01

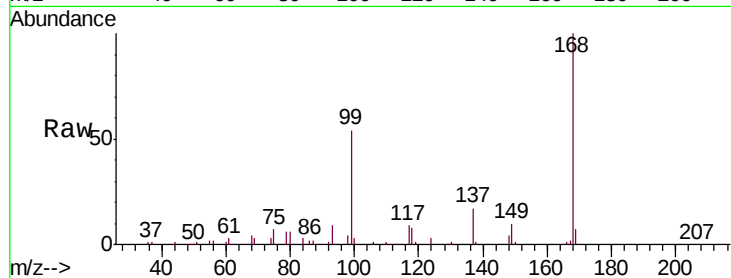
Tot Ion: 56 Resp: 3526

Ion Ratio Lower Upper

56 100

69 140.5 26.8 40.2#

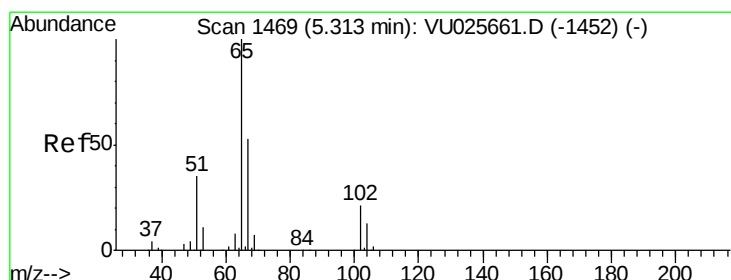
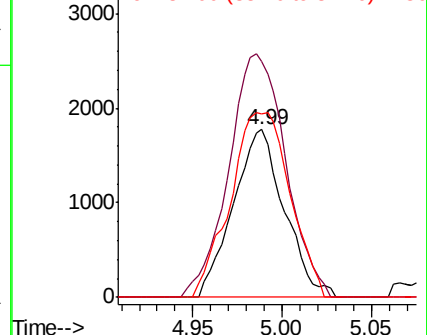
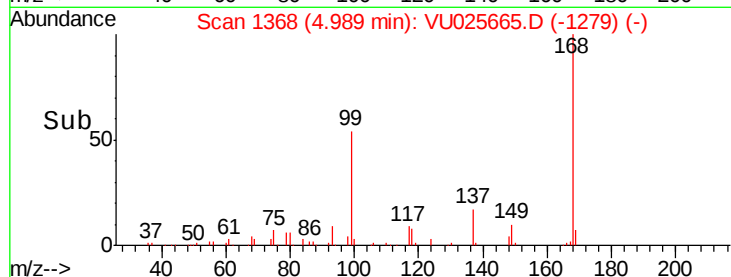
84 109.7 69.7 104.5#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 48.91 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025665.D

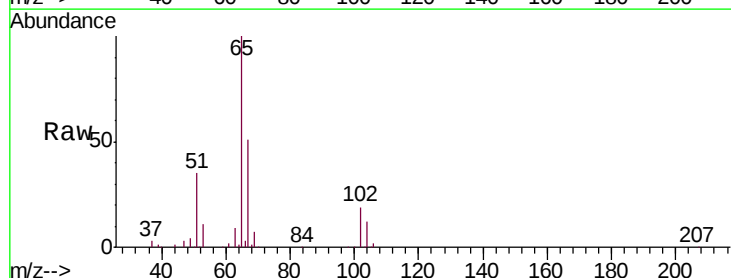
Acq: 27 Jul 2018 13:37

Tgt Ion: 65 Resp: 124489

Ion Ratio Lower Upper

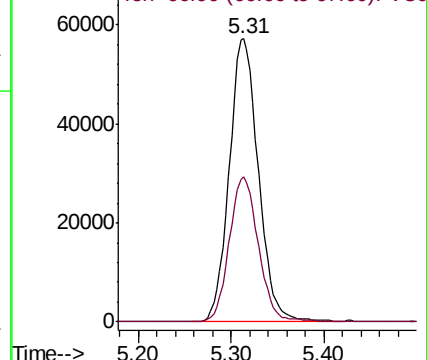
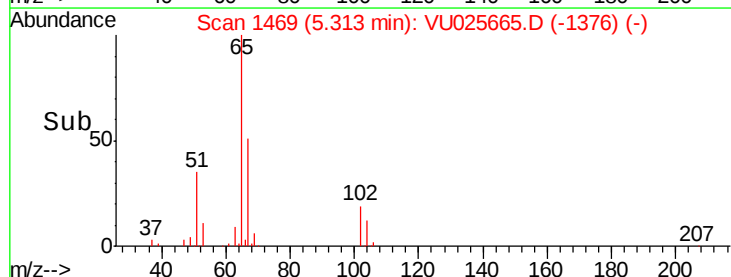
65 100

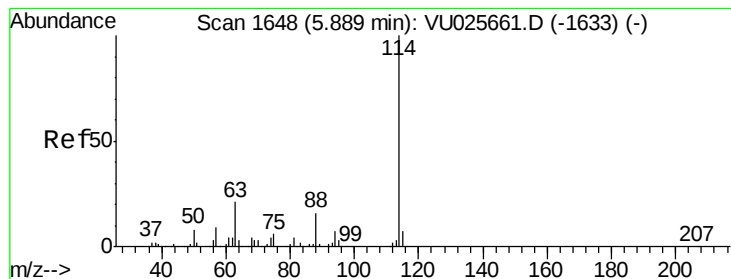
67 51.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBL01

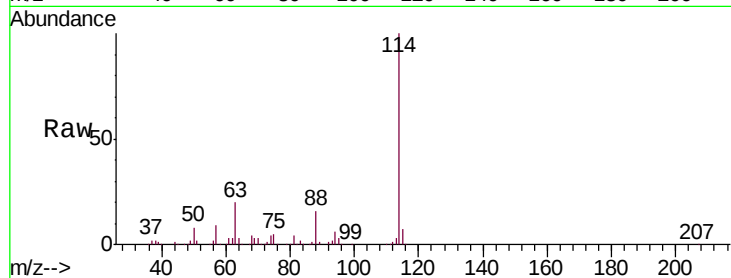
Tot Ion:114 Resp: 251754

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.6

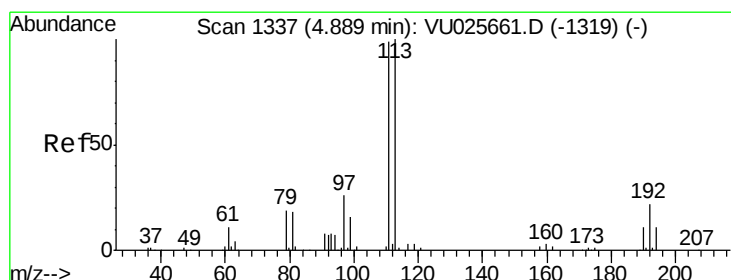
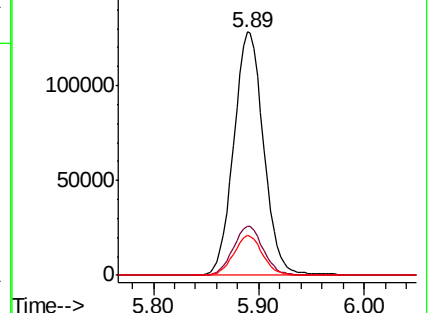
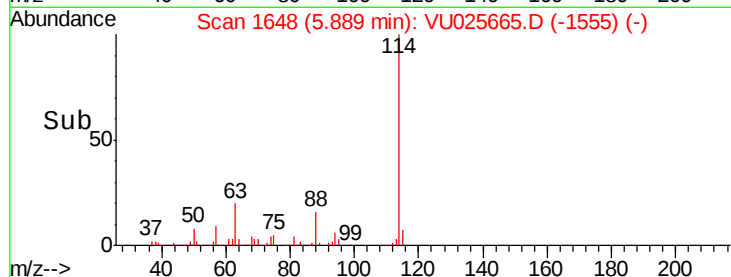
88 16.2 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 47.54 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

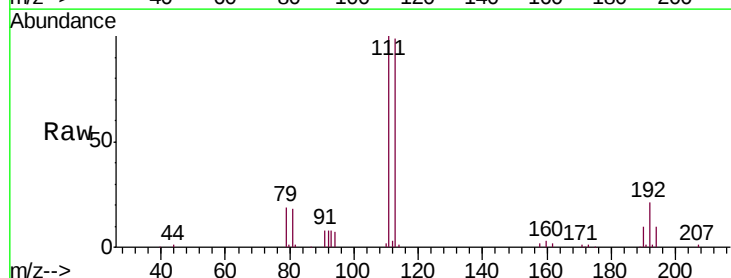
Tgt Ion:113 Resp: 104089

Ion Ratio Lower Upper

113 100

111 102.2 81.7 122.5

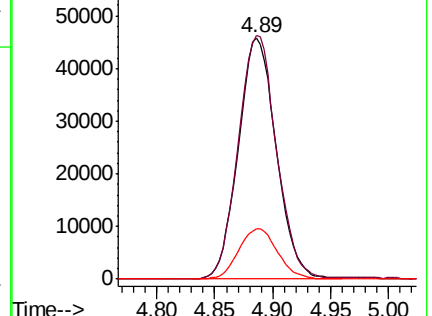
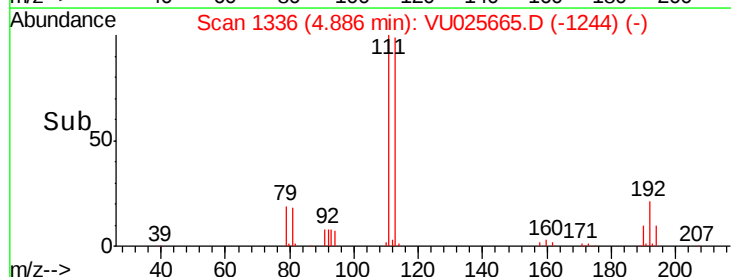
192 21.4 17.1 25.7

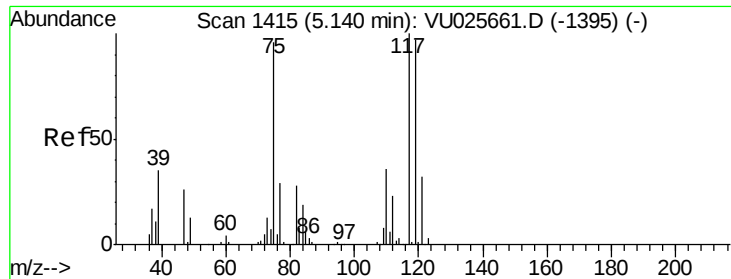


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 4.70 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.16 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBL01

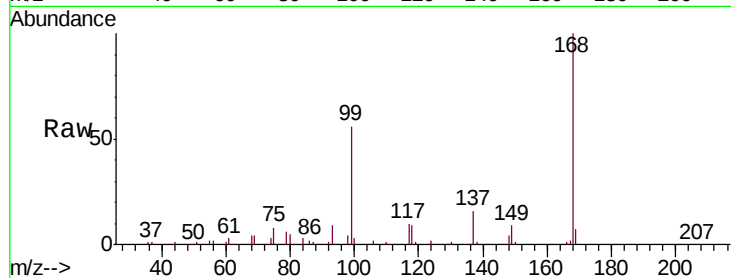
Tot Ion:117 Resp: 15673

Ion Ratio Lower Upper

117 100

119 5.5 75.7 113.5#

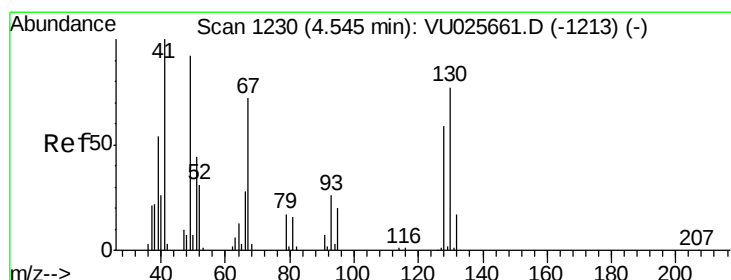
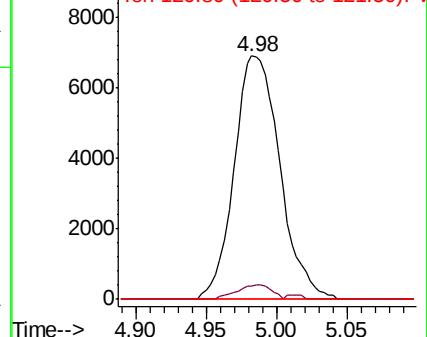
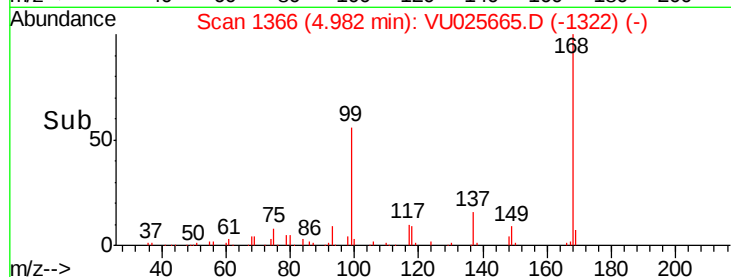
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.20 ug/l

RT: 4.64 min Scan# 1261

Delta R.T. 0.10 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Tgt Ion: 41 Resp: 346

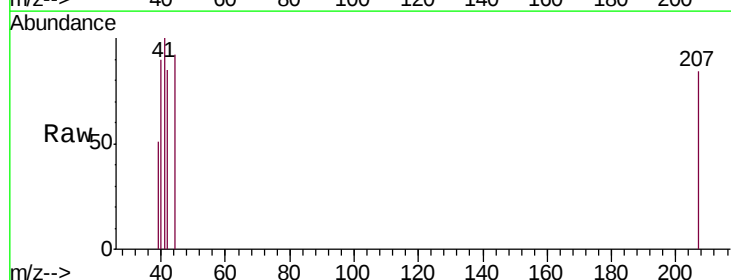
Ion Ratio Lower Upper

41 100

39 38.2 44.4 66.6#

67 0.0 56.0 84.0#

52 0.0 24.6 36.8#

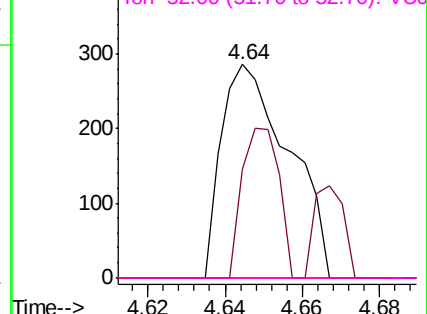
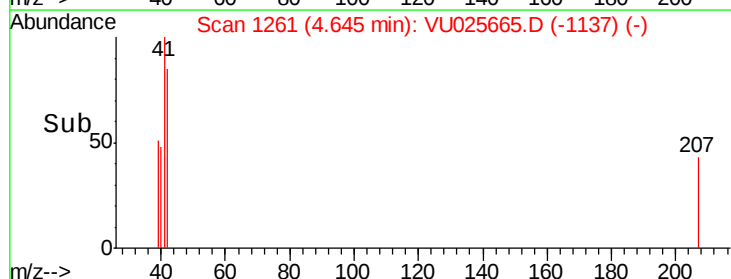


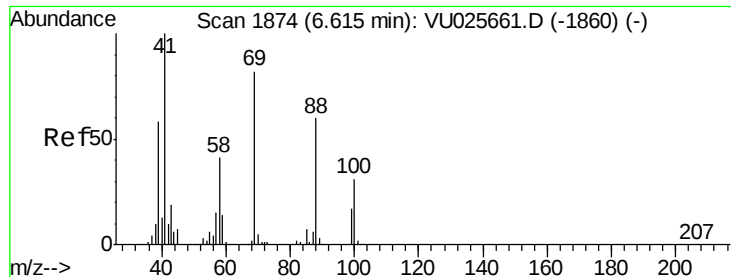
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

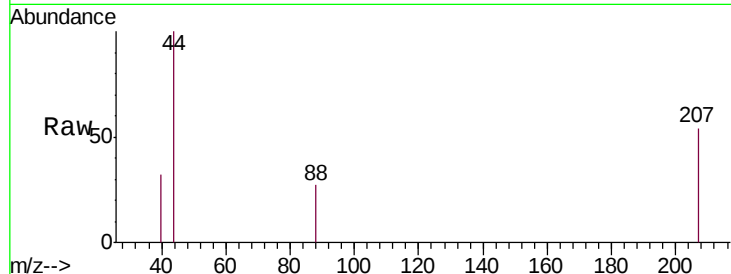




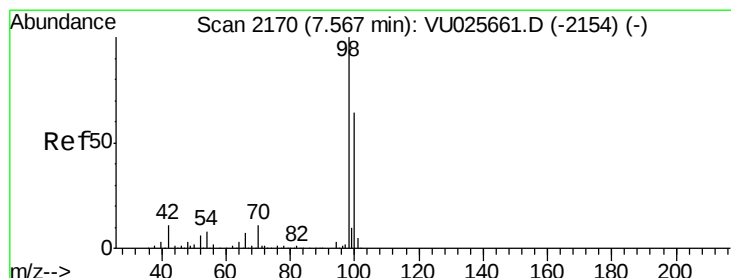
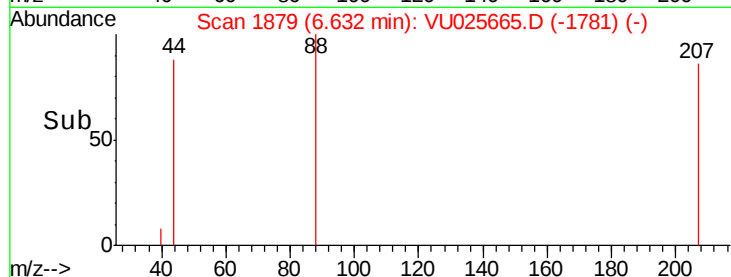
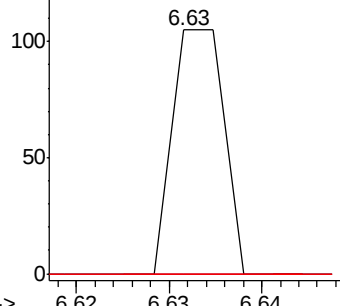
#49
1,4-Dioxane
Concen: 0.68 ug/l
RT: 6.63 min Scan# 1879
Delta R.T. 0.02 min
Lab File: VU025665.D
Acq: 27 Jul 2018 13:37

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBL01

Tot Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 0.0 27.3 40.9#
58 0.0 57.6 86.4#

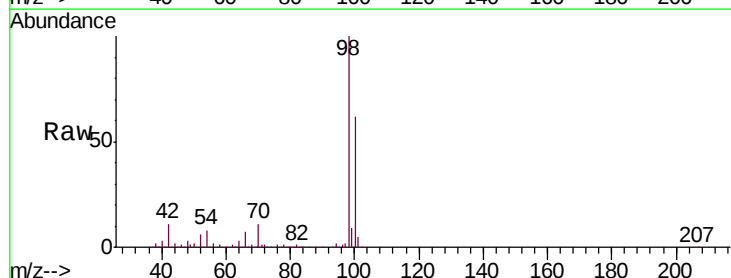


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

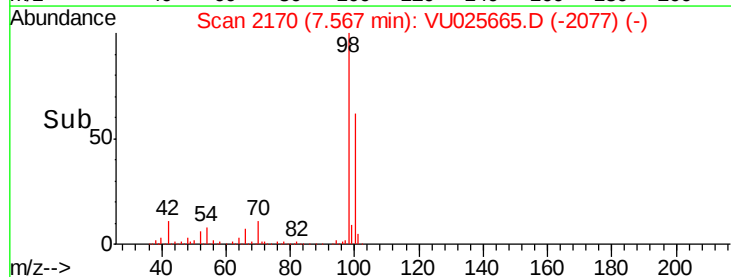
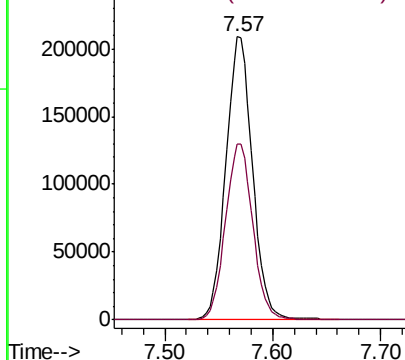


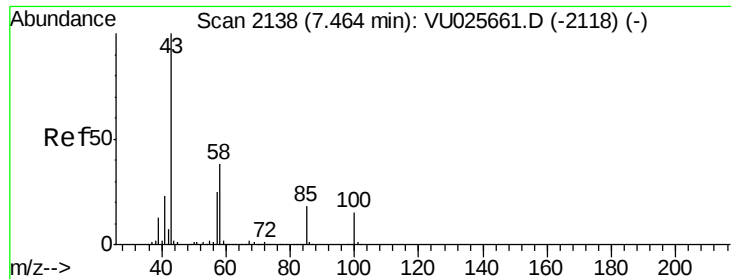
#50
Toluene-d8
Concen: 46.93 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025665.D
Acq: 27 Jul 2018 13:37

Tgt Ion: 98 Resp: 359629
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 0.31 ug/l

RT: 7.47 min Scan# 2140

Delta R.T. 0.01 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

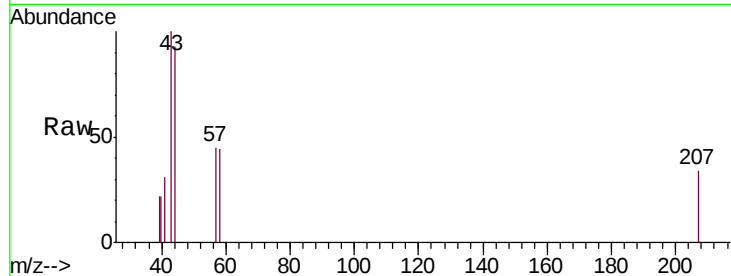
VU0727WBL01

Tot Ion: 43 Resp: 990

Ion Ratio Lower Upper

43 100

58 24.5 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.47

500

400

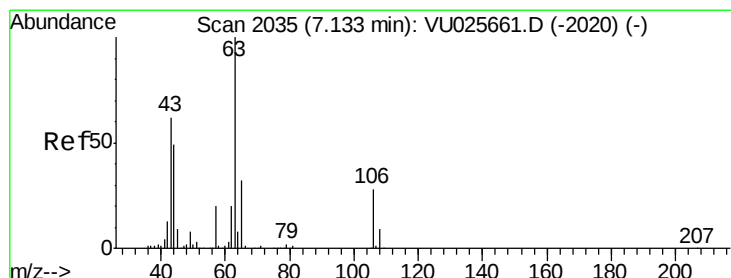
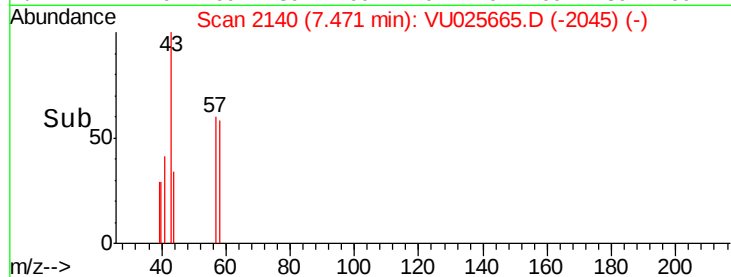
300

200

100

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 7.09 ug/l

RT: 7.14 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU025665.D

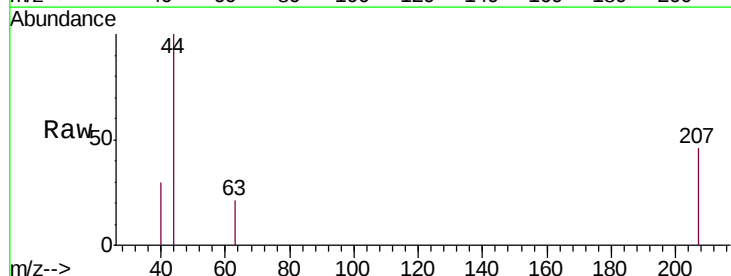
Acq: 27 Jul 2018 13:37

Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

106 0.0 22.3 33.5#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

120

100

80

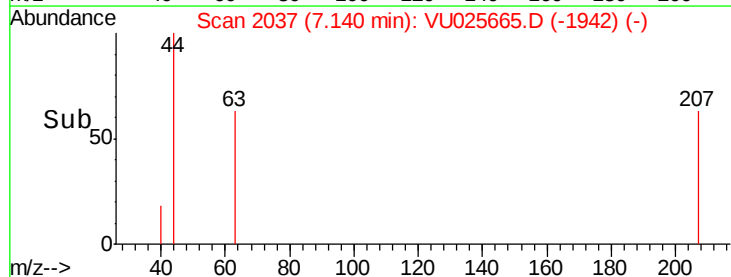
60

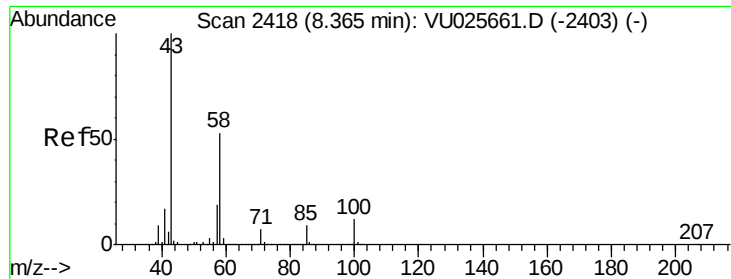
40

20

0

Time-->





#59

2-Hexanone

Concen: 0.66 ug/l

RT: 8.37 min Scan# 2420

Delta R.T. 0.01 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

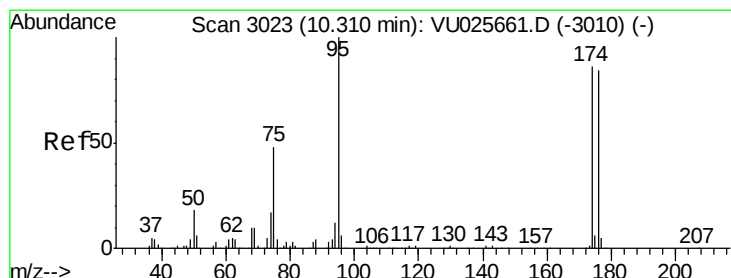
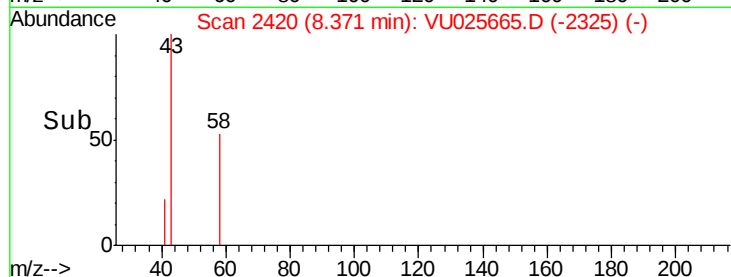
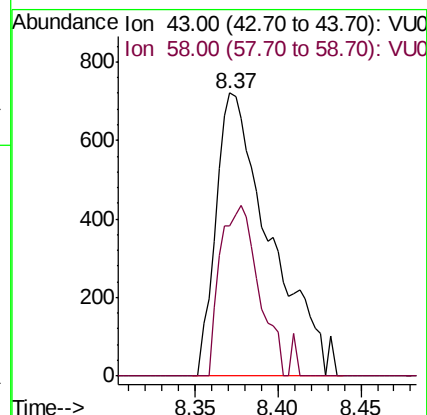
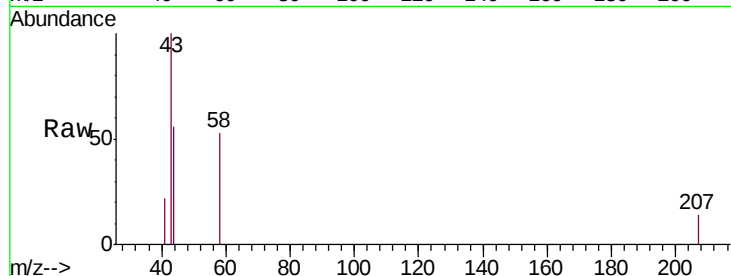
VU0727WBL01

Tot Ion: 43 Resp: 1634

Ion Ratio Lower Upper

43 100

58 42.8 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 45.57 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

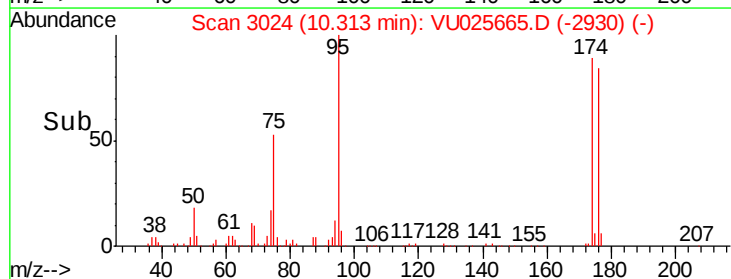
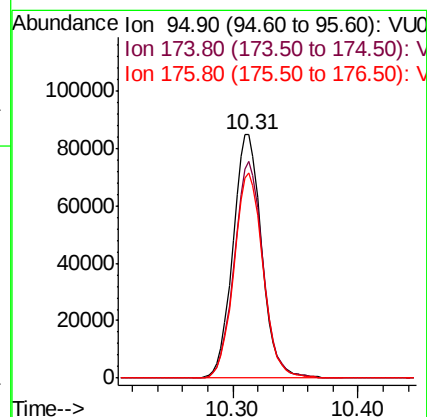
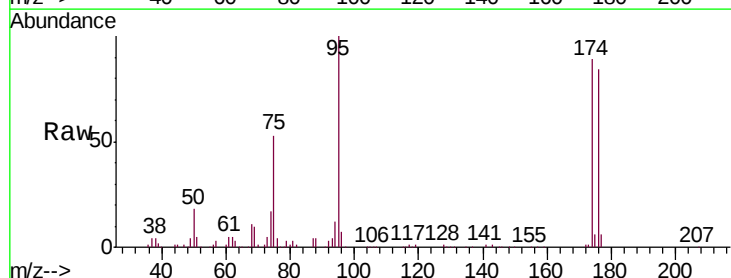
Tgt Ion: 95 Resp: 135527

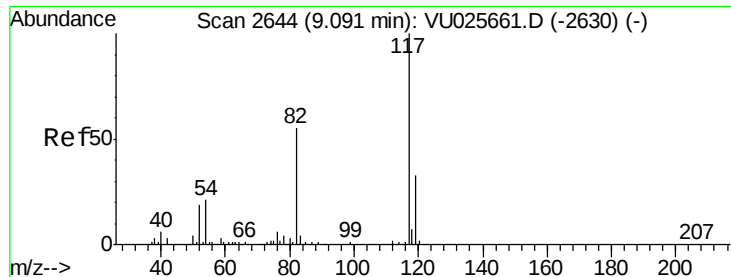
Ion Ratio Lower Upper

95 100

174 88.7 0.0 172.2

176 85.0 0.0 162.6

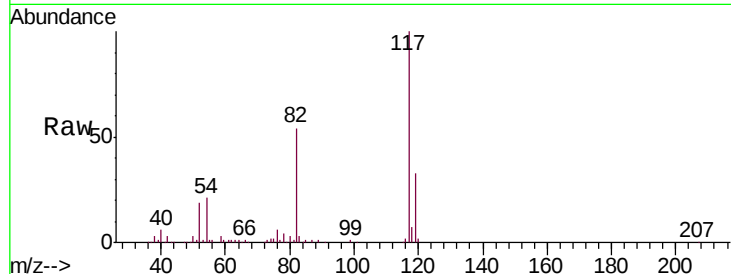




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025665.D
Acq: 27 Jul 2018 13:37

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	46.0	69.0
119	33.0	26.0	39.0

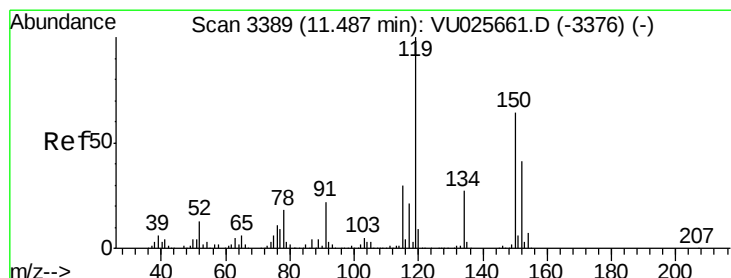
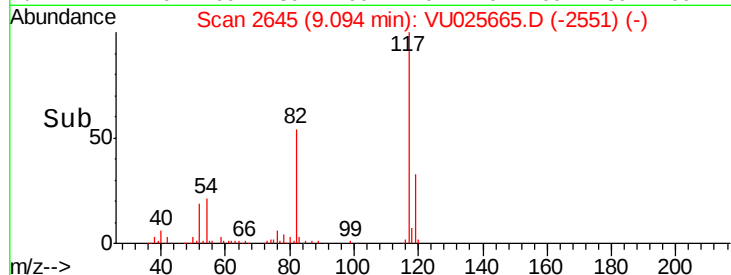
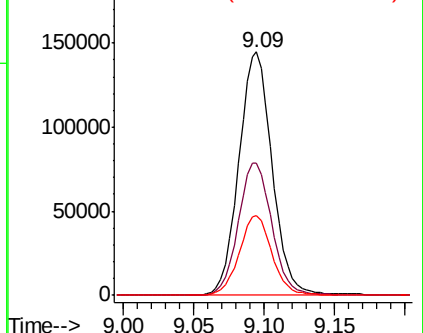


Abundance

Ion 116.90 (116.60 to 117.60): V

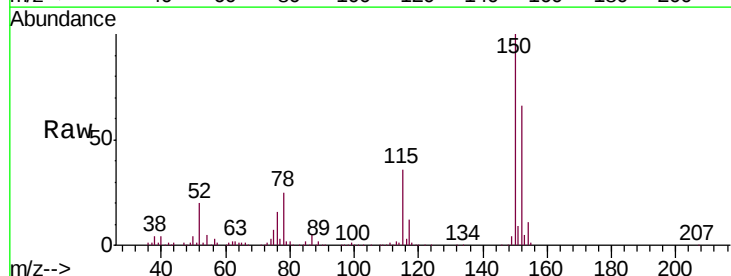
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU025665.D
Acq: 27 Jul 2018 13:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	40.1	120.3
150	155.1	0.0	351.4

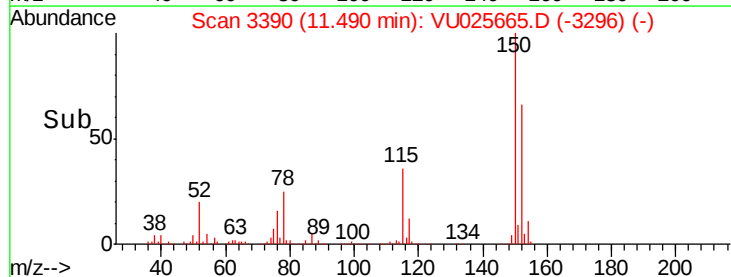
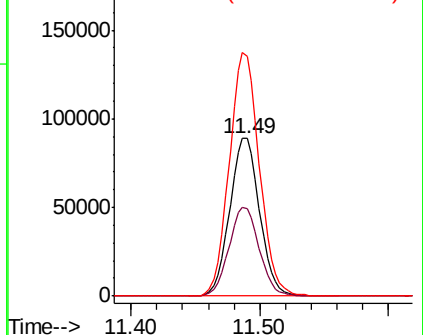


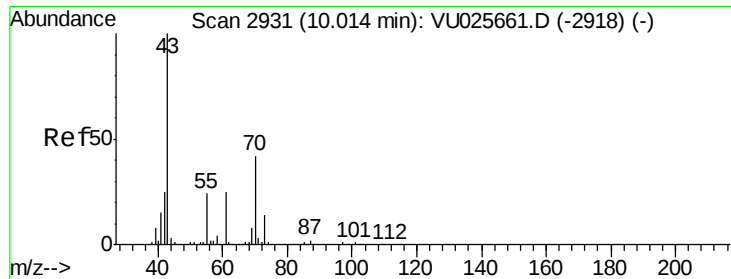
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.22 ug/l

RT: 10.02 min Scan# 2934

Delta R.T. 0.01 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBL01

Tot Ion: 43 Resp: 860

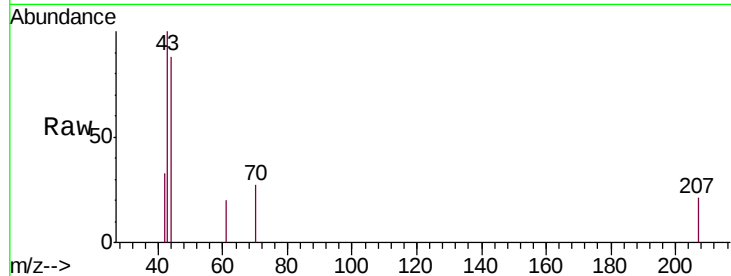
Ion Ratio Lower Upper

43 100

70 19.2 33.4 50.2#

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#

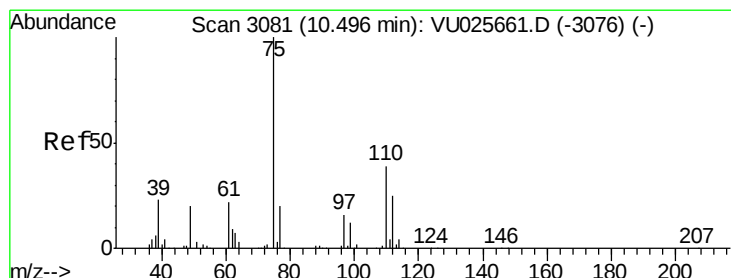
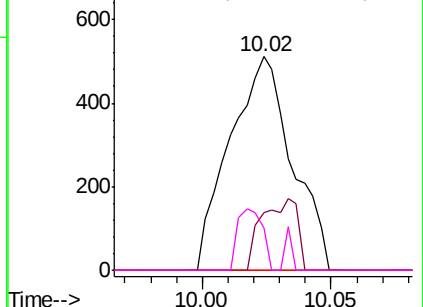
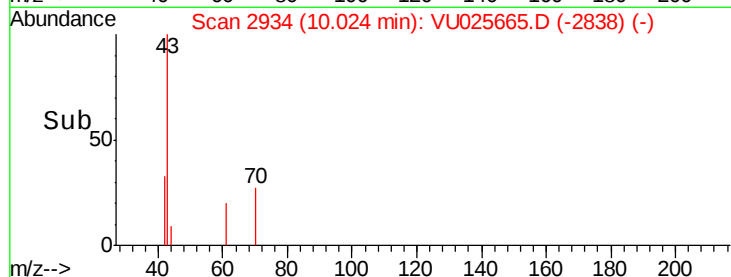


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#76

1,2,3-Trichloropropane

Concen: 22.40 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU025665.D

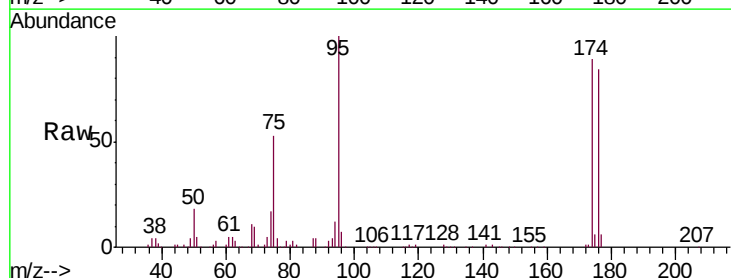
Acq: 27 Jul 2018 13:37

Tgt Ion: 75 Resp: 70650

Ion Ratio Lower Upper

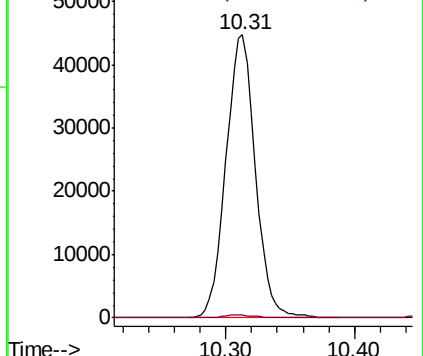
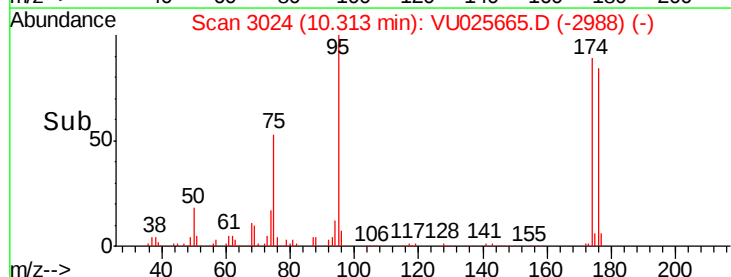
75 100

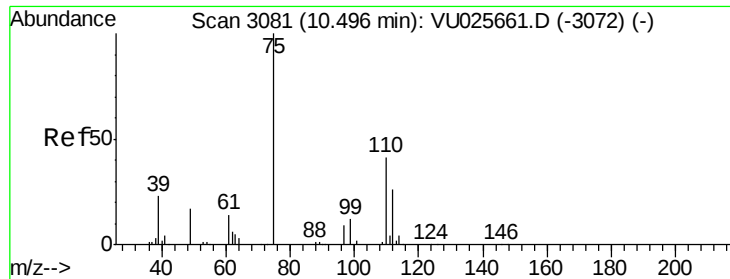
77 1.1 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.18 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBL01

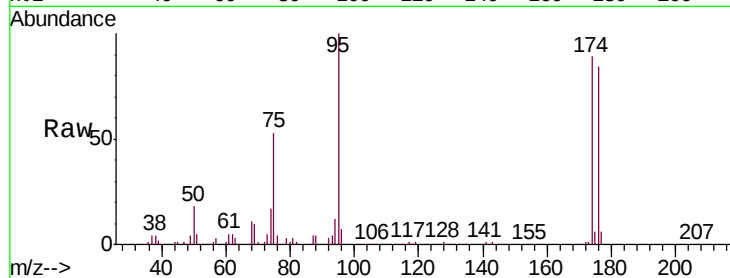
Tot Ion: 75 Resp: 70650

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

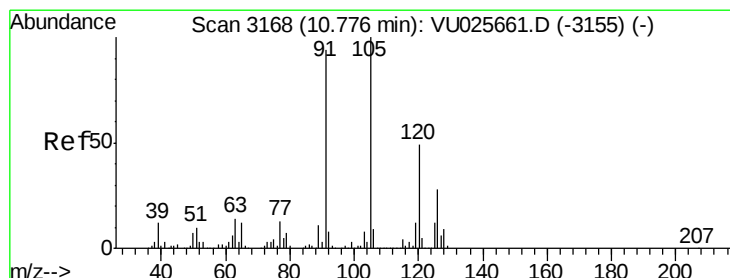
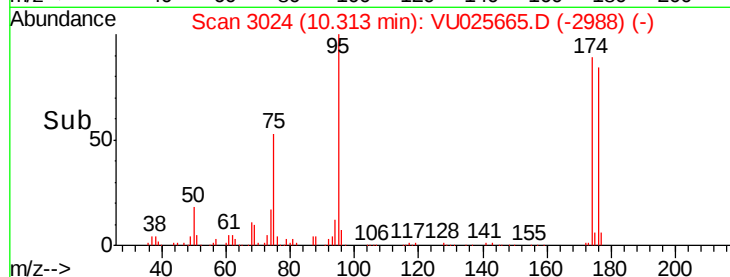
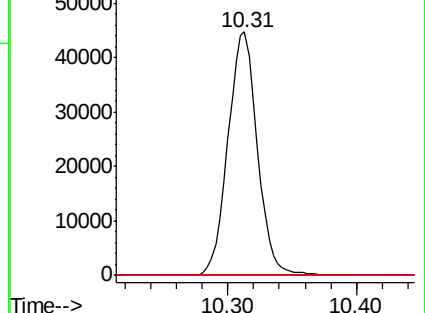
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 0.21 ug/l

RT: 10.78 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VU025665.D

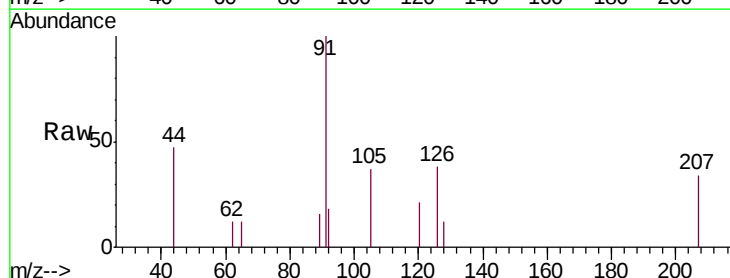
Acq: 27 Jul 2018 13:37

Tgt Ion: 91 Resp: 1673

Ion Ratio Lower Upper

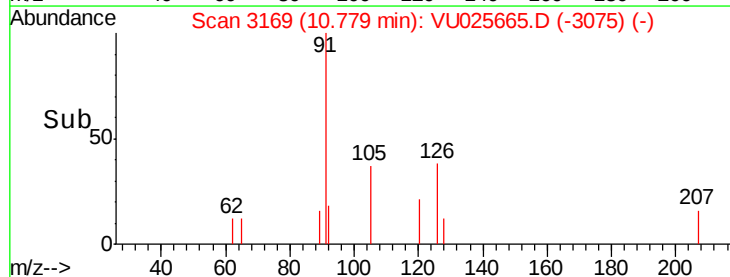
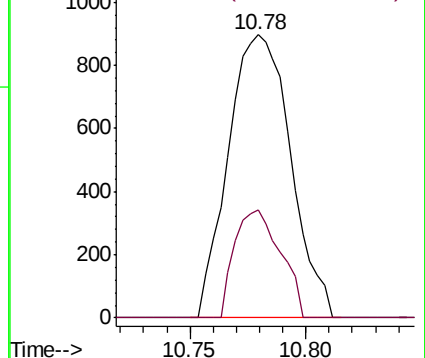
91 100

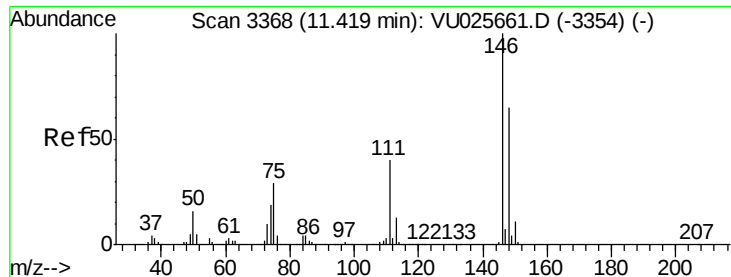
126 28.0 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#87

1,3-Dichlorobenzene

Concen: 0.30 ug/l

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBL01

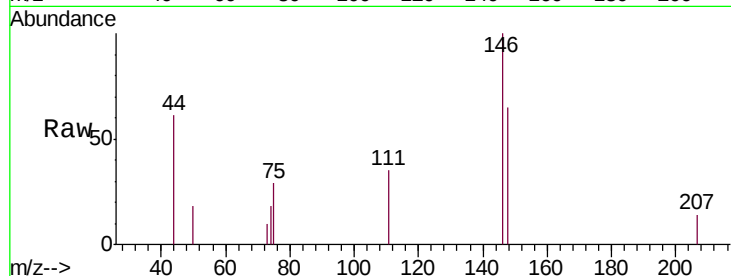
Tot Ion:146 Resp: 1478

Ion Ratio Lower Upper

146 100

111 33.9 19.7 59.1

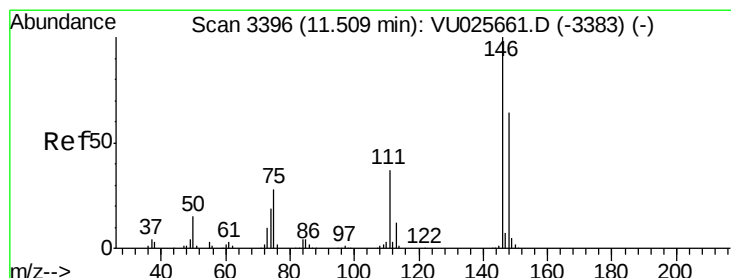
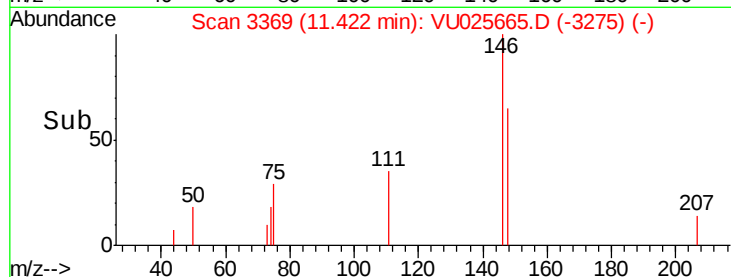
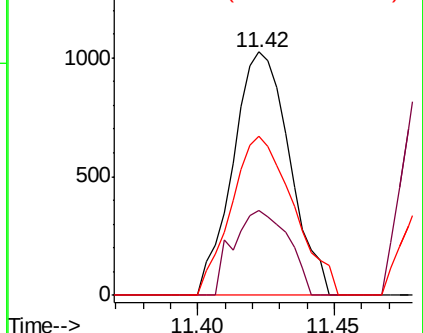
148 72.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.28 ug/l

RT: 11.42 min Scan# 3369

Delta R.T. -0.09 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

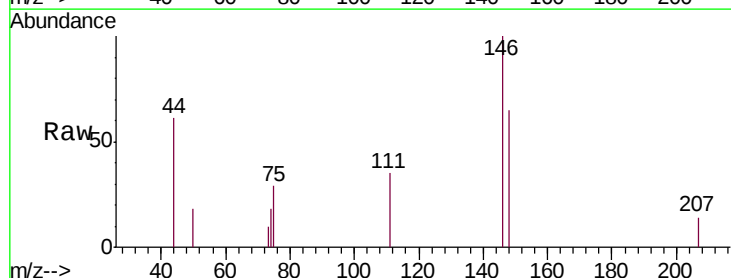
Tgt Ion:146 Resp: 1478

Ion Ratio Lower Upper

146 100

111 33.9 19.4 58.1

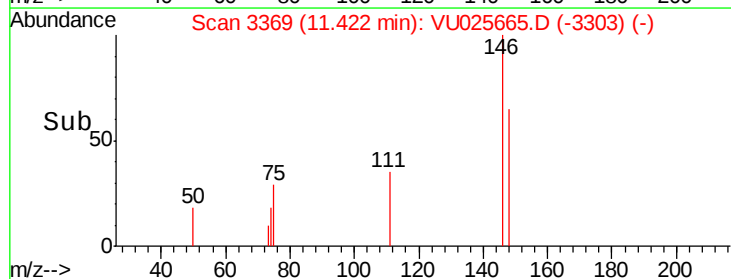
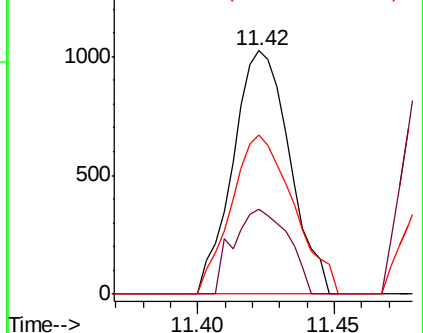
148 72.0 31.7 95.1

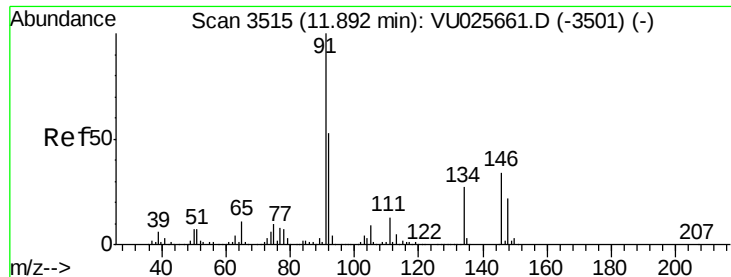


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

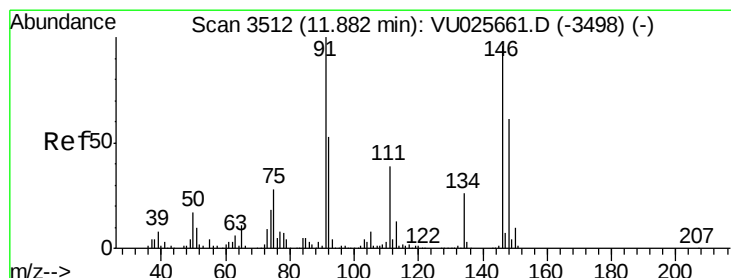
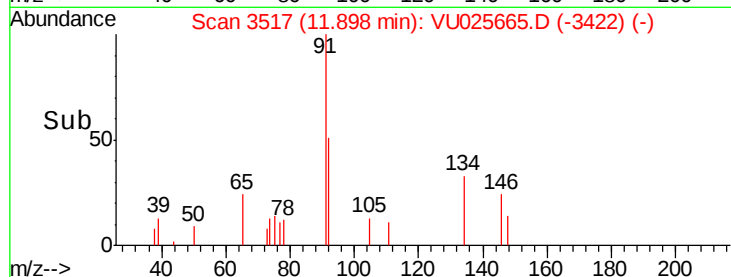
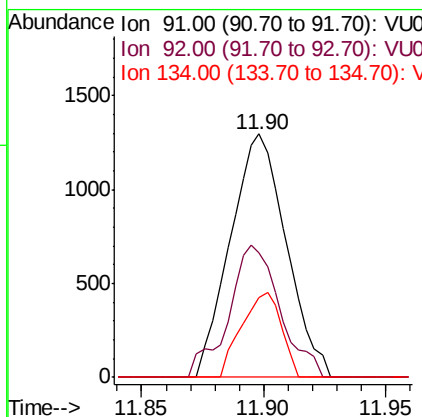
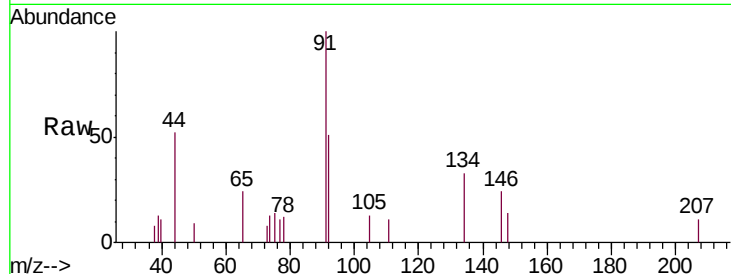




#89
n-Butylbenzene
Concen: 0.25 ug/l
RT: 11.90 min Scan# 3517
Delta R.T. 0.01 min
Lab File: VU025665.D
Acq: 27 Jul 2018 13:37

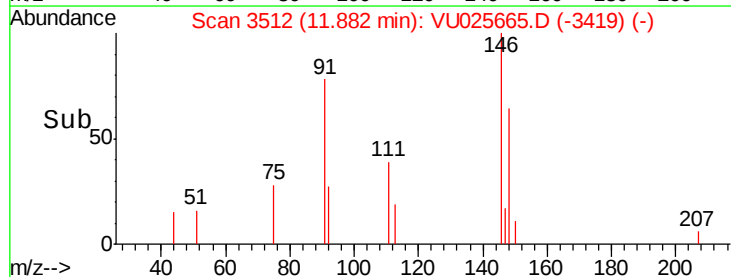
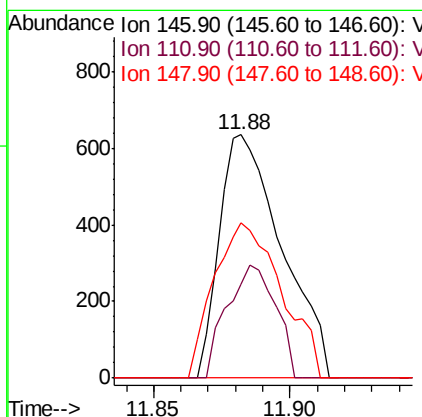
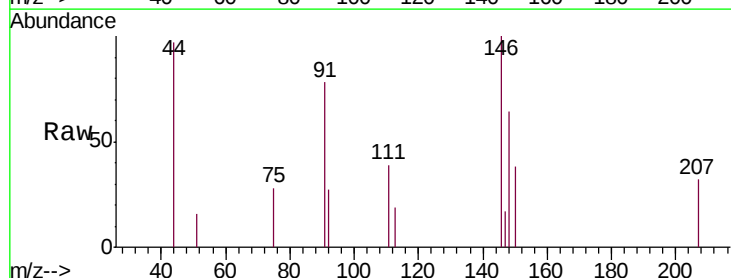
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBL01

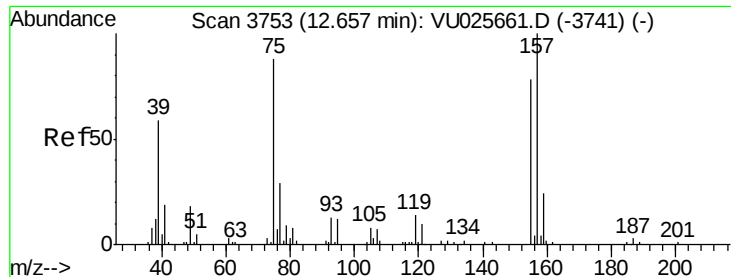
Tot Ion: 91 Resp: 2055
Ion Ratio Lower Upper
91 100
92 49.9 26.5 79.5
134 24.7 13.6 40.7



#91
1,2-Dichlorobenzene
Concen: 0.21 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025665.D
Acq: 27 Jul 2018 13:37

Tgt Ion: 146 Resp: 1012
Ion Ratio Lower Upper
146 100
111 36.0 20.6 61.8
148 68.7 31.5 94.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.21 ug/l

RT: 12.66 min Scan# 3755

Delta R.T. 0.01 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBL01

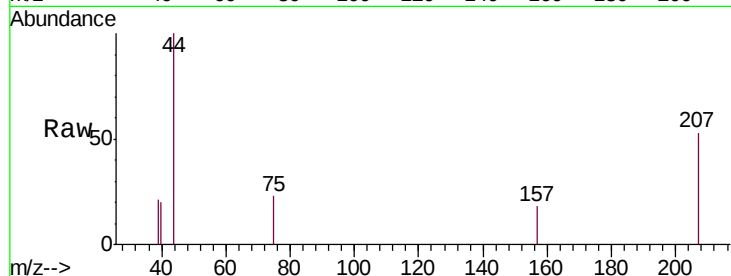
Tot Ion: 75 Resp: 166

Ion Ratio Lower Upper

75 100

155 0.0 44.5 133.3#

157 28.9 57.0 170.8#



Abundance Ion 74.90 (74.60 to 75.60): VU025665.D (-3660) (-)

Ion 154.80 (154.50 to 155.50): VU025665.D (-3660) (-)

Ion 156.80 (156.50 to 157.50): VU025665.D (-3660) (-)

12.66

150

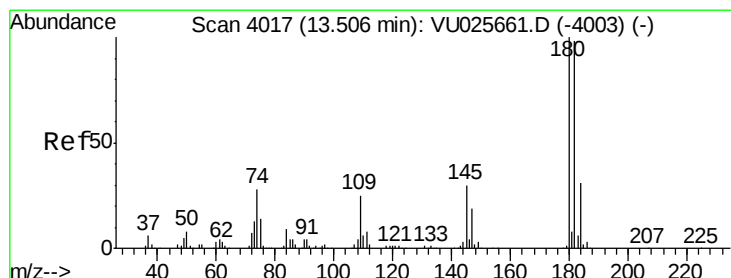
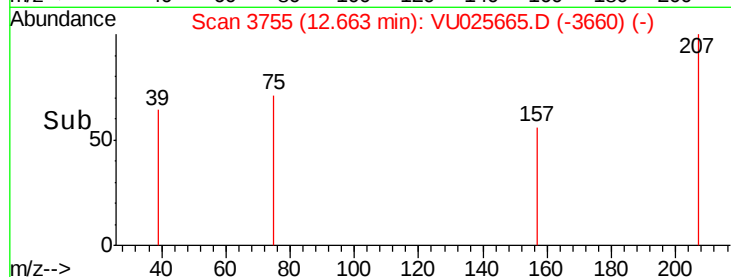
100

50

0

Time-->

12.64 12.66 12.68



#93

1,2,4-Trichlorobenzene

Concen: 0.50 ug/l

RT: 13.51 min Scan# 4018

Delta R.T. 0.00 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

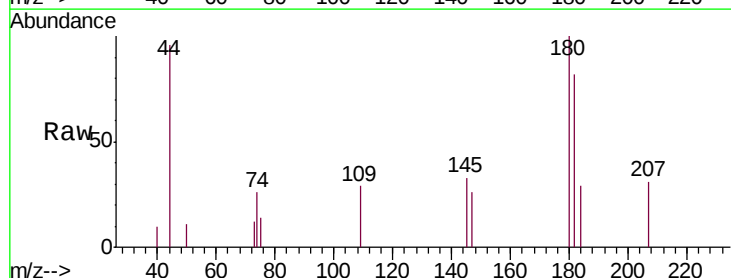
Tgt Ion: 180 Resp: 1640

Ion Ratio Lower Upper

180 100

182 91.6 47.3 141.9

145 25.9 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): VU025665.D (-3924) (-)

Ion 181.80 (181.50 to 182.50): VU025665.D (-3924) (-)

Ion 144.80 (144.50 to 145.50): VU025665.D (-3924) (-)

13.51

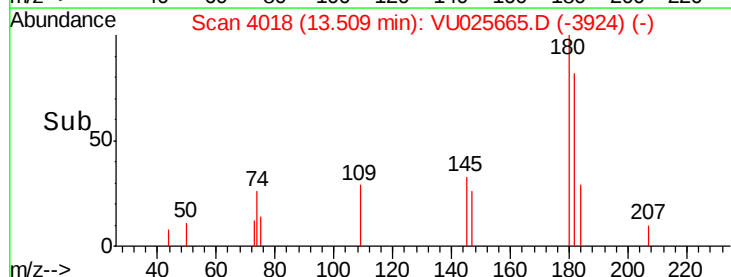
1000

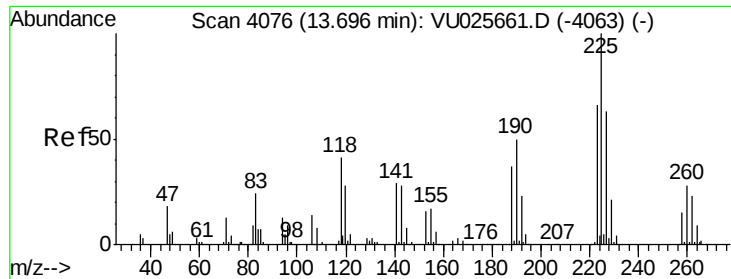
500

0

Time-->

13.50 13.51 13.52





#94

Hexachlorobutadiene

Concen: 0.29 ug/l

RT: 13.70 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBL01

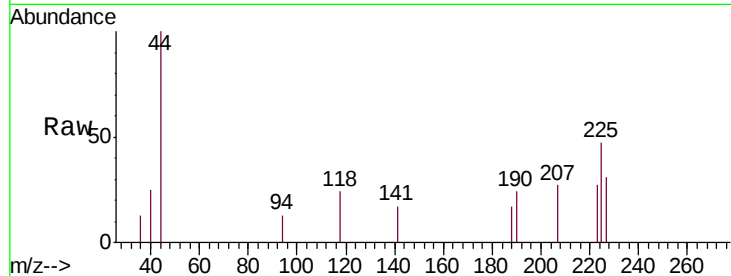
Tot Ion:225 Resp: 508

Ion Ratio Lower Upper

225 100

223 55.9 31.9 95.7

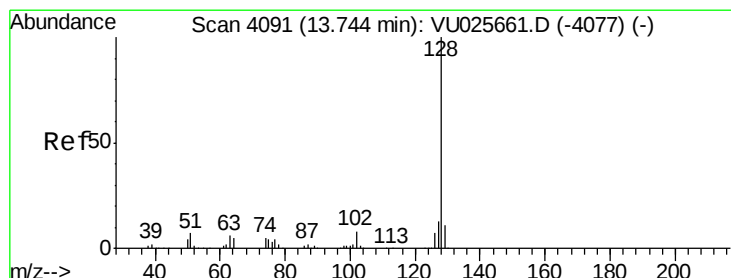
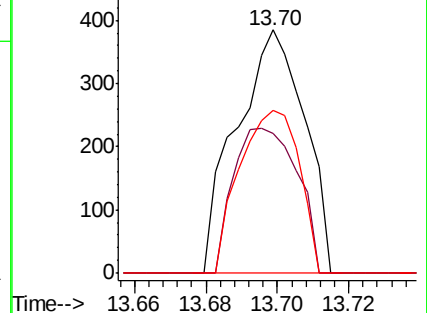
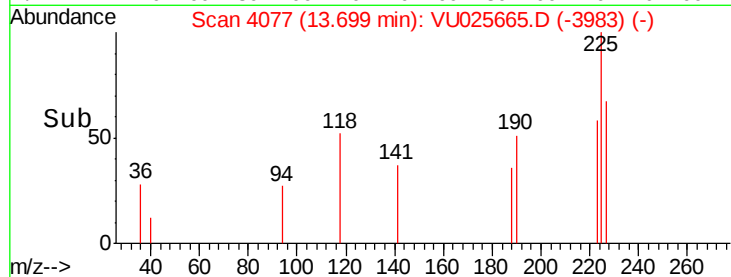
227 58.5 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.82 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU025665.D

Acq: 27 Jul 2018 13:37

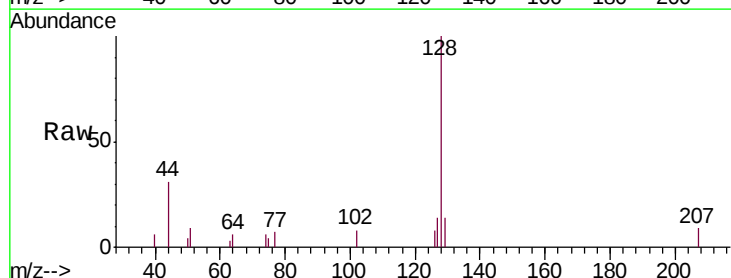
Tgt Ion:128 Resp: 6193

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

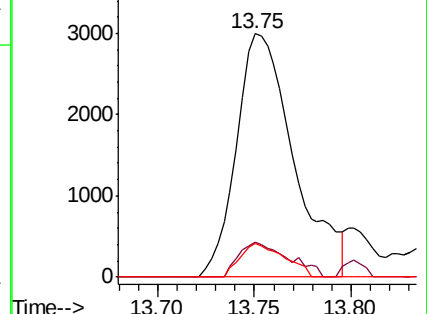
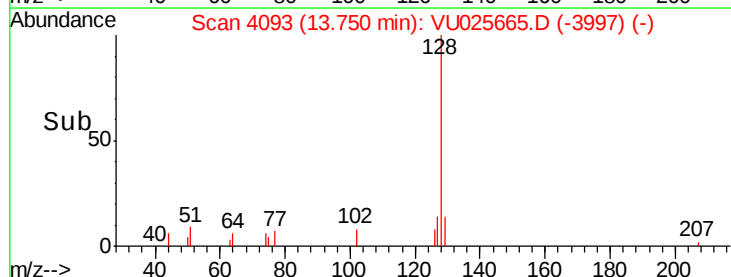
129 10.6 8.3 12.5

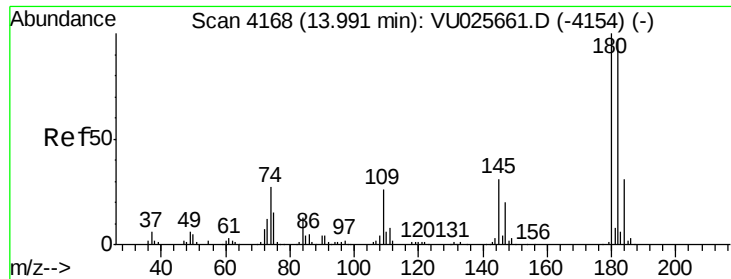


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

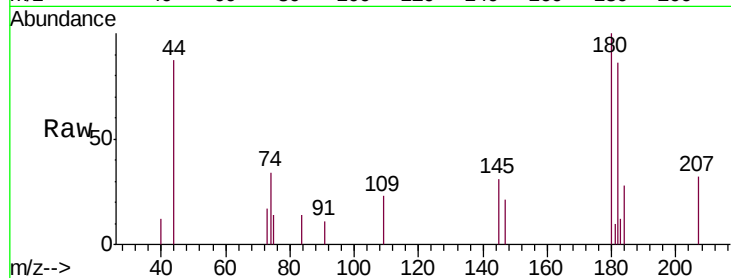




#96
 1,2,3-Trichlorobenzene
 Concen: 0.62 ug/l
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.00 min
 Lab File: VU025665.D
 Acq: 27 Jul 2018 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.6	47.8	143.3
145	30.2	15.6	46.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

