

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
 Data File : VU025307.D
 Acq On : 11 Jul 2018 11:20
 Operator : MD/SY
 Sample : VU0711WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBL01

Quant Time: Jul 12 03:08:40 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	219988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	332914	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	304547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151275	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	164078	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
35) Dibromofluoromethane	4.89	113	131192	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
50) Toluene-d8	7.57	98	478908	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	10.31	95	174364	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	

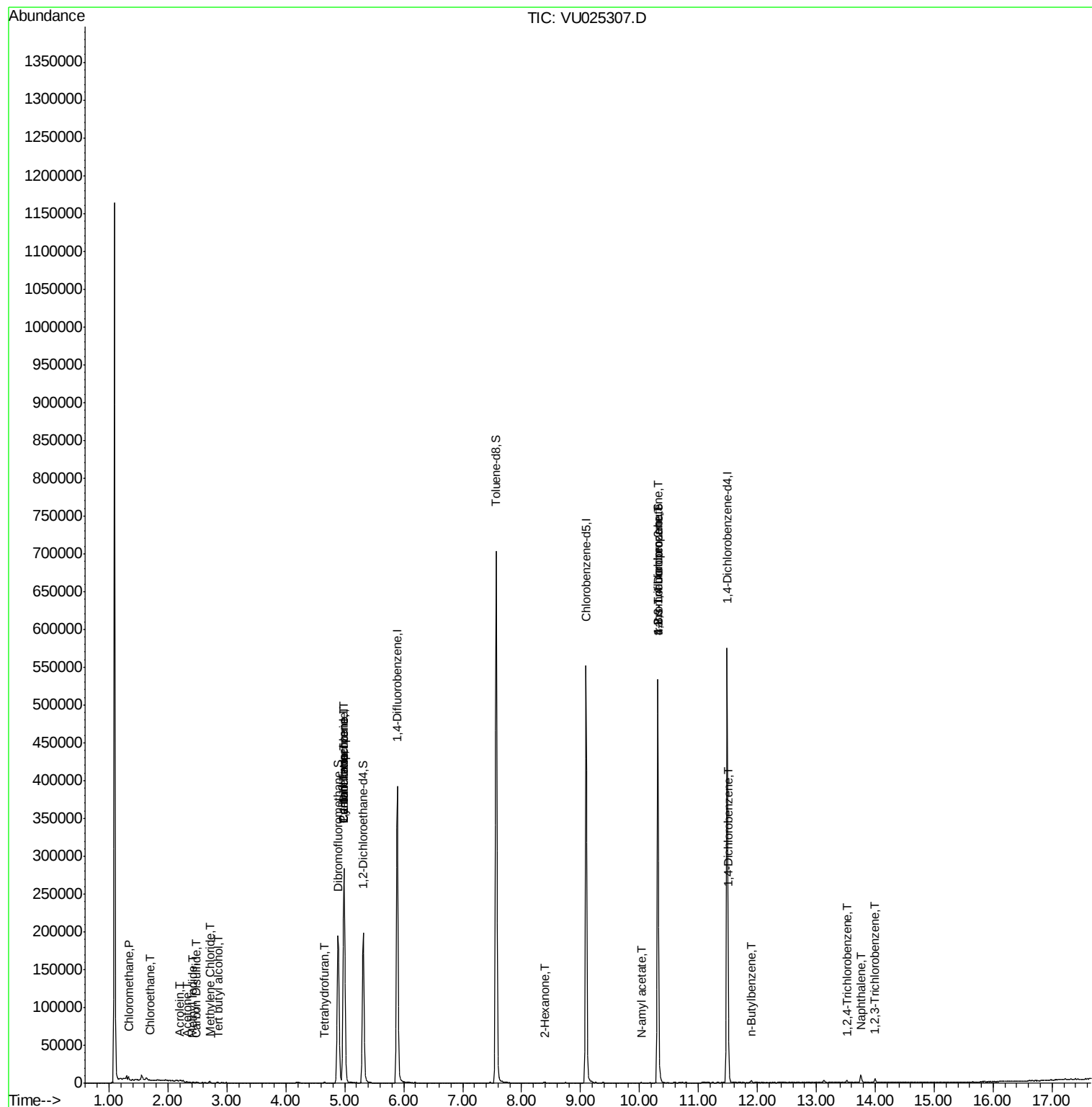
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	3148	1.94	ug/l	93
5) Bromomethane	1.64	94	1355	Below Cal		96
6) Chloroethane	1.70	64	106	0.36	ug/l #	43
10) Methyl Iodide	2.42	142	786	7.95	ug/l #	84
11) Tert butyl alcohol	2.84	59	260	0.35	ug/l #	73
13) Acrolein	2.19	56	291	0.59	ug/l #	62
16) Acetone	2.32	43	1168	5.52	ug/l	96
17) Carbon Disulfide	2.48	76	1299	2.12	ug/l #	74
20) Methylene Chloride	2.71	84	1130	1.11	ug/l #	91
29) Tetrahydrofuran	4.65	42	323	0.23	ug/l #	85
31) Cyclohexane	4.99	56	4567	1.79	ug/l #	21
36) 1,1-Dichloropropene	4.99	75	15976	4.32	ug/l #	50
38) Carbon Tetrachloride	4.99	117	21360	5.36	ug/l #	16
59) 2-Hexanone	8.39	43	962	0.28	ug/l	97
74) N-amyl acetate	10.03	43	348	1.34	ug/l #	67
76) 1,2,3-Trichloropropane	10.31	75	90597	29.38	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	90597	75.17	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	740	1.62	ug/l #	25
89) n-Butylbenzene	11.90	91	1775	0.21	ug/l	89
93) 1,2,4-Trichlorobenzene	13.51	180	1456	3.66	ug/l	93
95) Naphthalene	13.75	128	11992	3.44	ug/l #	97
96) 1,2,3-Trichlorobenzene	14.00	180	2037	3.05	ug/l	85

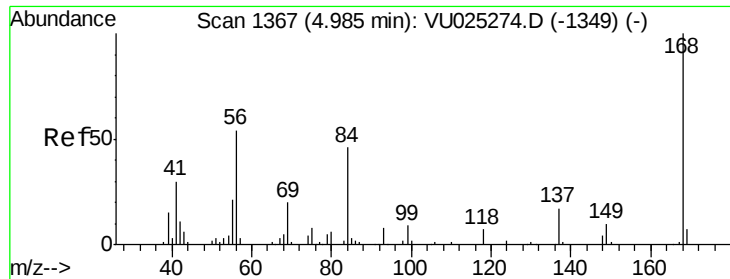
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
Data File : VU025307.D
Acq On : 11 Jul 2018 11:20
Operator : MD/SY
Sample : VU0711WBL01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBL01

Quant Time: Jul 12 03:08:40 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VU025307.D

Acq: 11 Jul 2018 11:20

Instrument :

MSVOA_U

ClientSampleId :

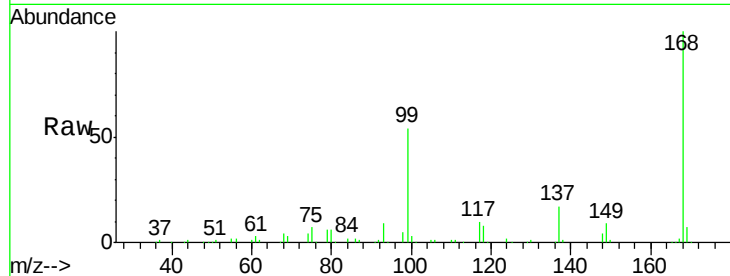
VU0711WBL01

Tot Ion:168 Resp: 219988

Ion Ratio Lower Upper

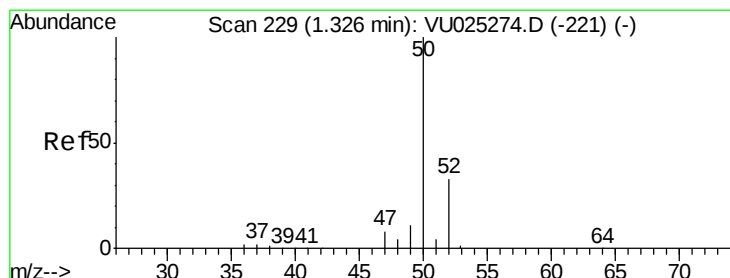
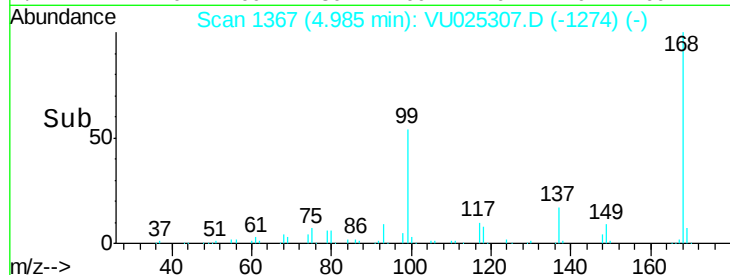
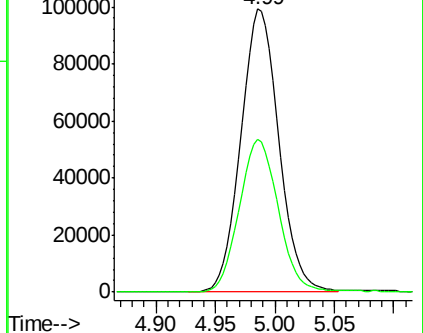
168 100

99 54.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)



#3

Chloromethane

Concen: 1.94 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025307.D

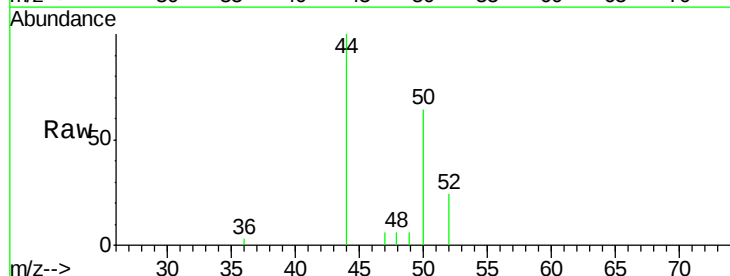
Acq: 11 Jul 2018 11:20

Tgt Ion: 50 Resp: 3148

Ion Ratio Lower Upper

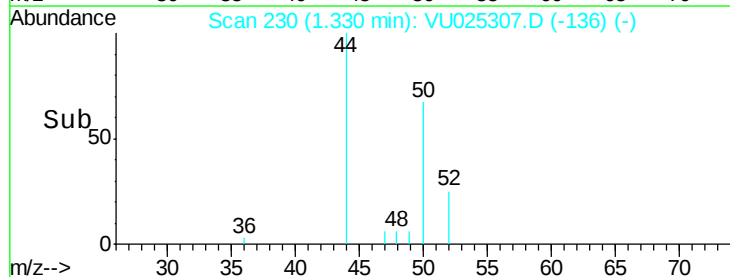
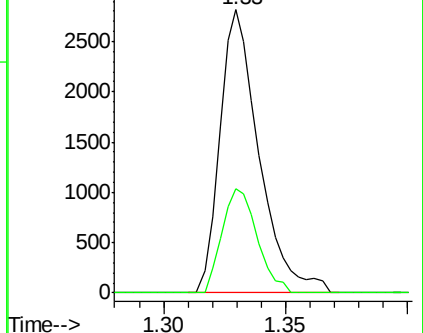
50 100

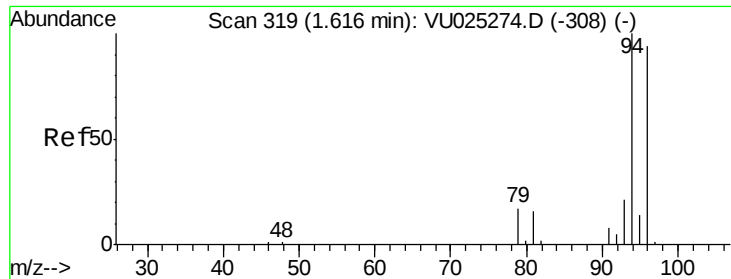
52 36.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025274.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025274.D (-221) (-)





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 325

Delta R.T. 0.02 min

Lab File: VU025307.D

Acq: 11 Jul 2018 11:20

Instrument :

MSVOA_U

ClientSampleId :

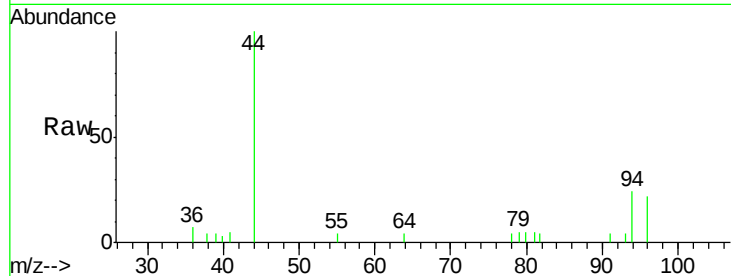
VU0711WBL01

Tot Ion: 94 Resp: 1355

Ion Ratio Lower Upper

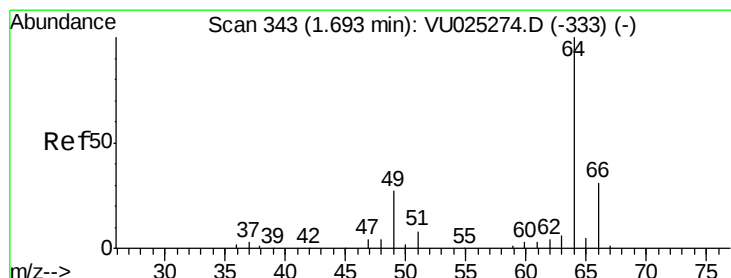
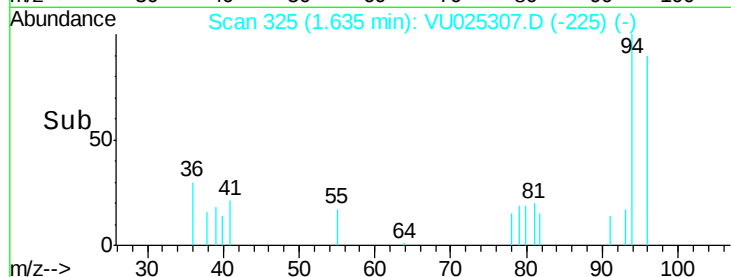
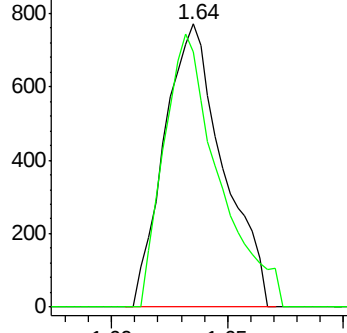
94 100

96 90.0 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 0.36 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU025307.D

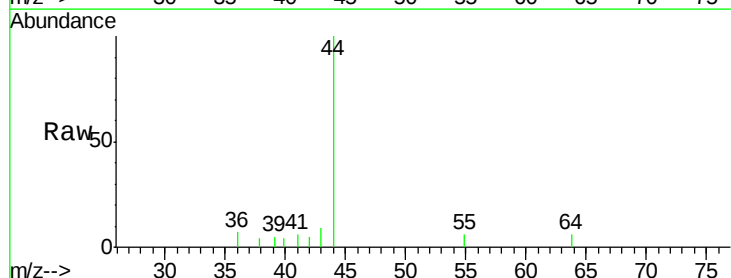
Acq: 11 Jul 2018 11:20

Tgt Ion: 64 Resp: 106

Ion Ratio Lower Upper

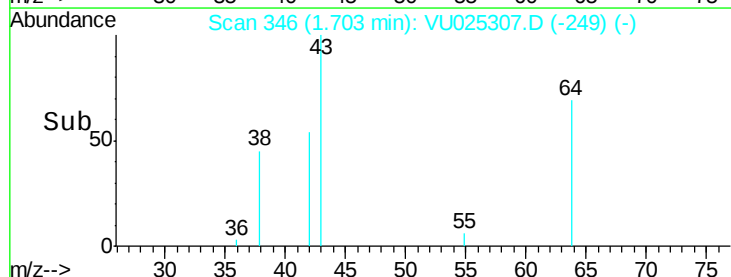
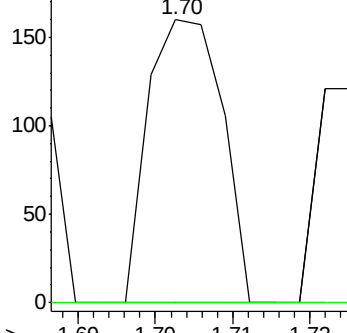
64 100

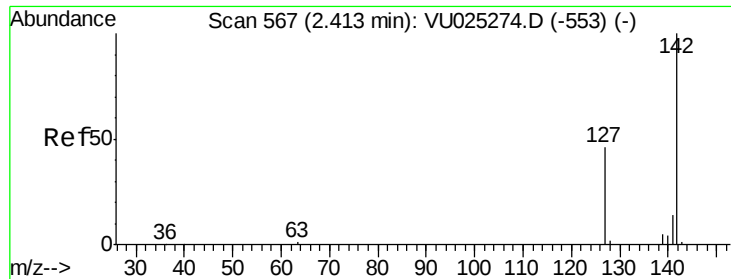
66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

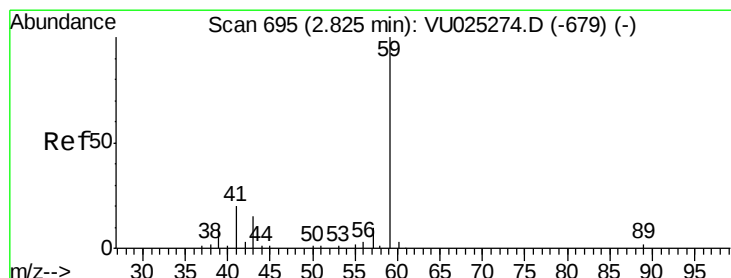
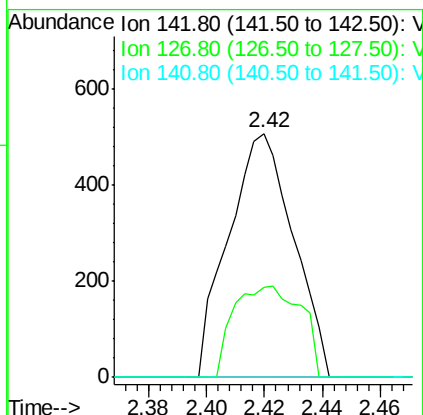
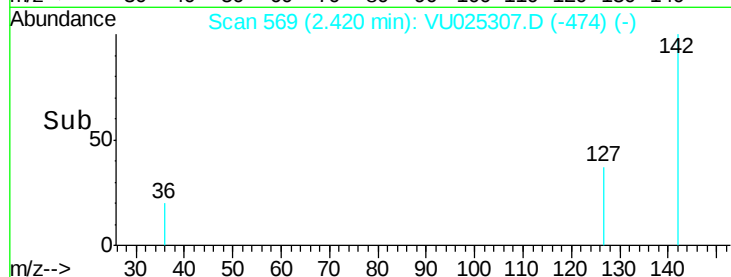
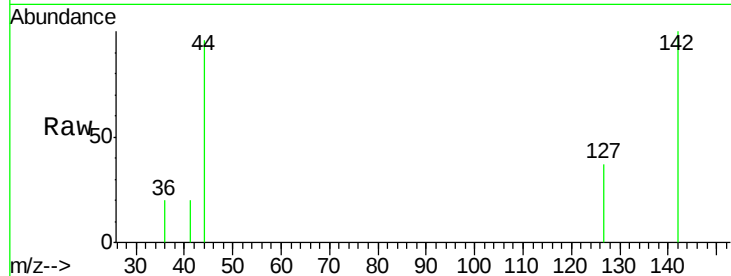




#10
Methyl Iodide
Concen: 7.95 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU025307.D
Acq: 11 Jul 2018 11:20

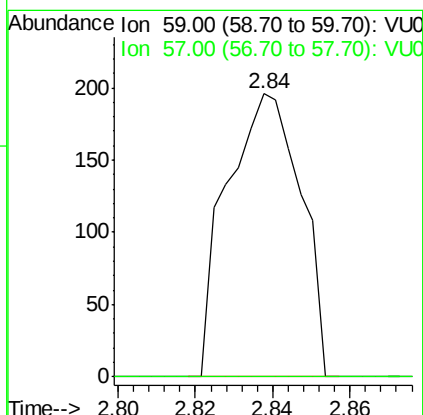
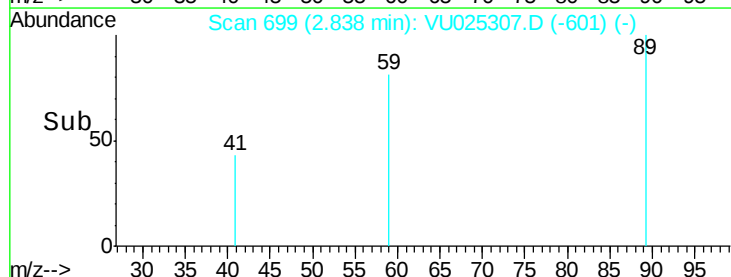
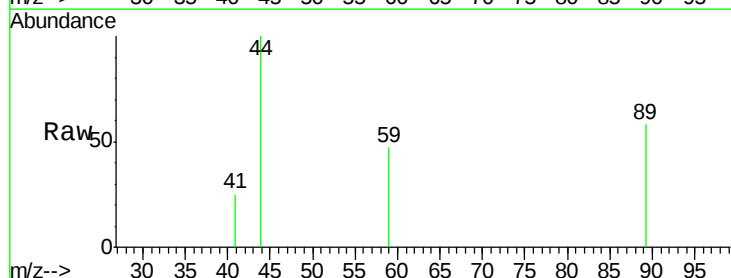
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBL01

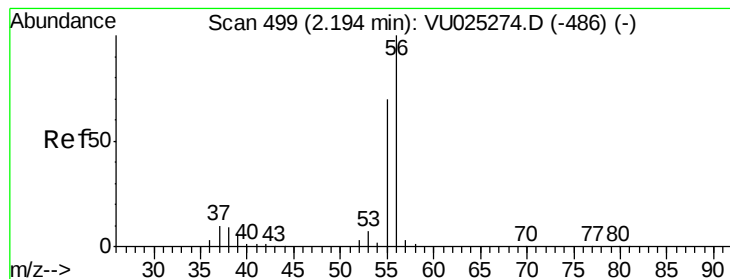
Tot Ion:142 Resp: 786
Ion Ratio Lower Upper
142 100
127 38.9 36.5 54.7
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.35 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU025307.D
Acq: 11 Jul 2018 11:20

Tgt Ion: 59 Resp: 260
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.59 ug/l

RT: 2.19 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU025307.D

Acq: 11 Jul 2018 11:20

Instrument :

MSVOA_U

ClientSampleId :

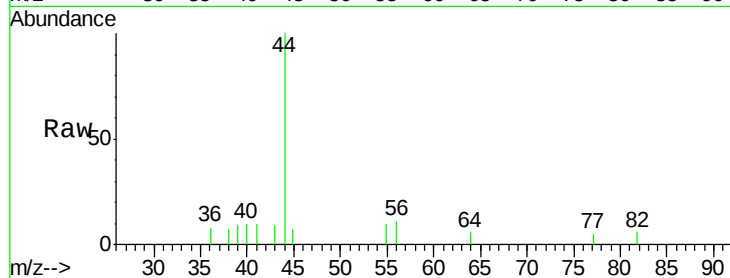
VU0711WBL01

Tot Ion: 56 Resp: 291

Ion Ratio Lower Upper

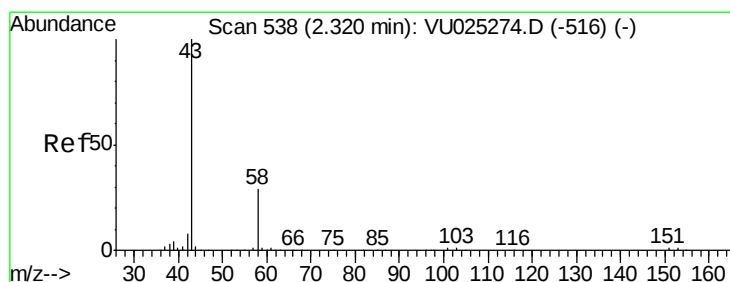
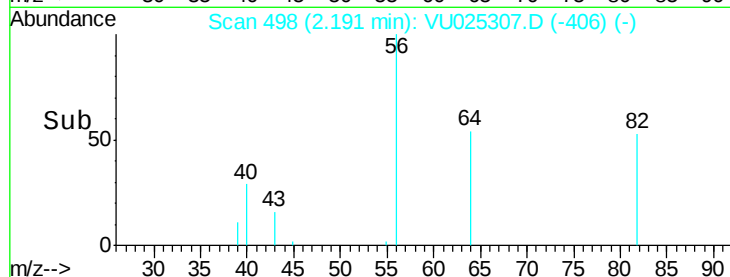
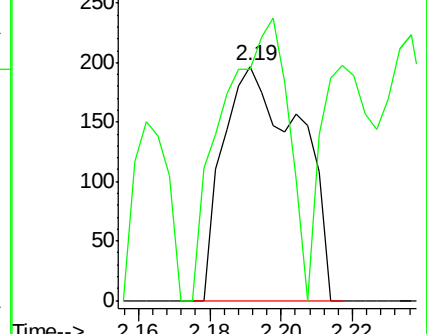
56 100

55 103.4 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 5.52 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025307.D

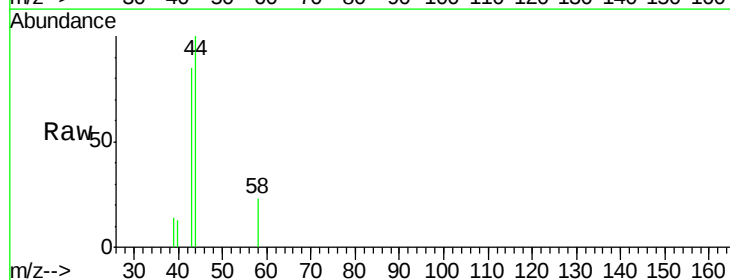
Acq: 11 Jul 2018 11:20

Tgt Ion: 43 Resp: 1168

Ion Ratio Lower Upper

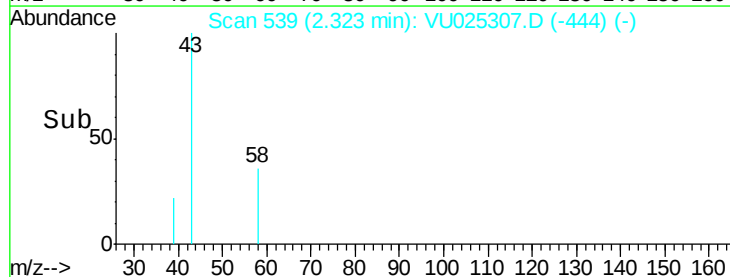
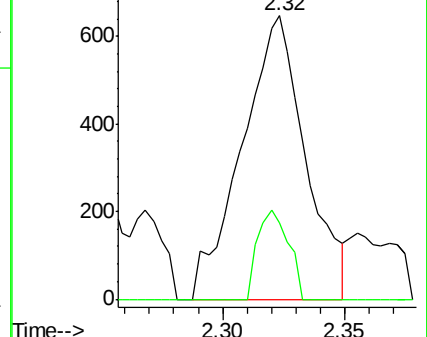
43 100

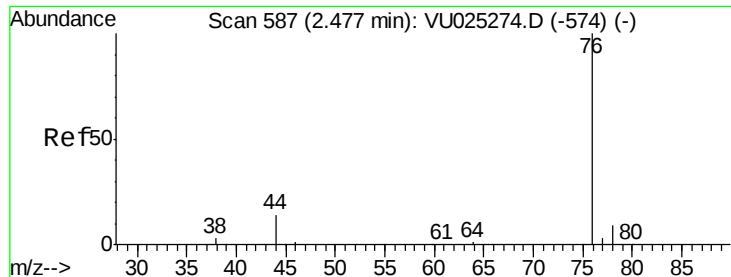
58 26.7 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 2.12 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025307.D

Acq: 11 Jul 2018 11:20

Instrument :

MSVOA_U

ClientSampleId :

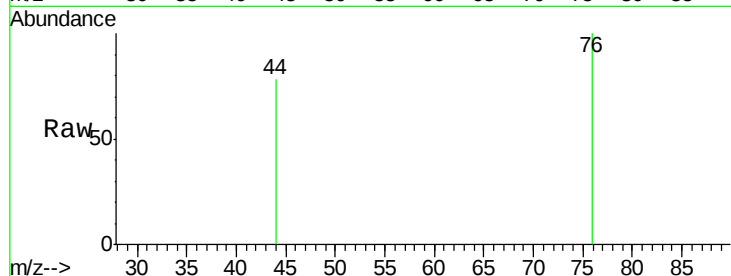
VU0711WBL01

Tot Ion: 76 Resp: 1299

Ion Ratio Lower Upper

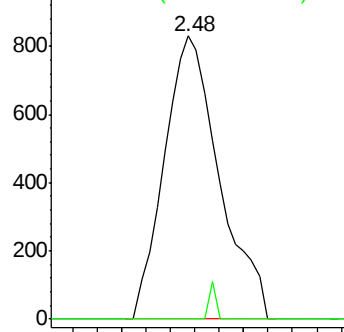
76 100

78 0.0 7.4 11.2#

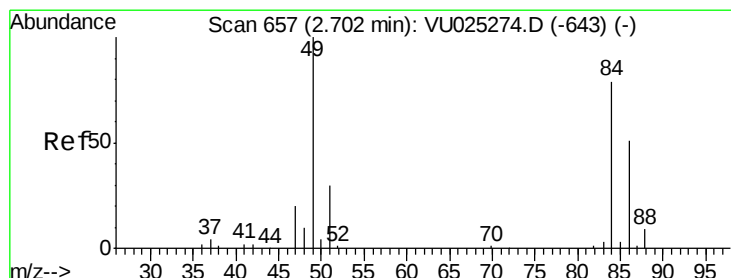
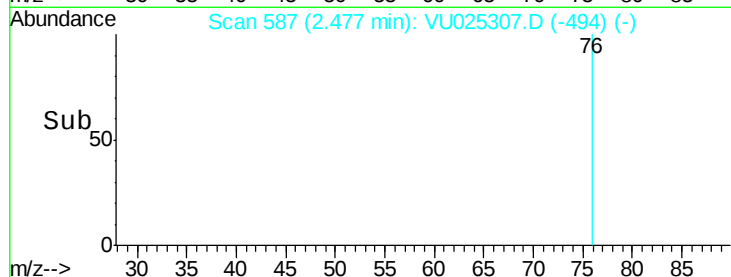


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



Time-->



#20

Methylene Chloride

Concen: 1.11 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.01 min

Lab File: VU025307.D

Acq: 11 Jul 2018 11:20

Tgt Ion: 84 Resp: 1130

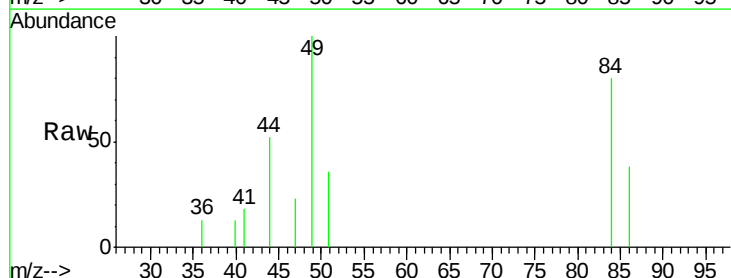
Ion Ratio Lower Upper

84 100

49 124.5 101.8 152.6

51 45.0 30.8 46.2

86 47.6 51.9 77.9#

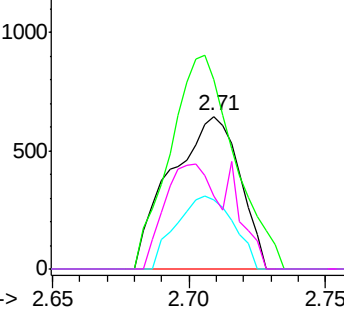


Abundance Ion 83.90 (83.60 to 84.60): VU0

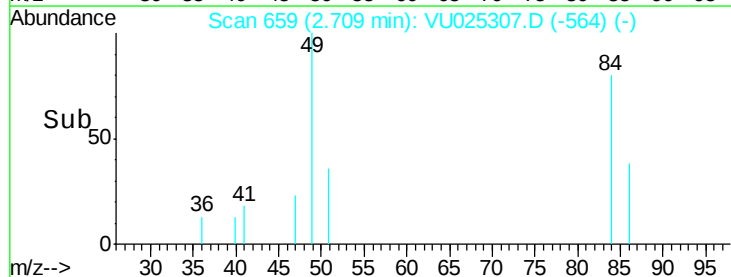
Ion 48.90 (48.60 to 49.60): VU0

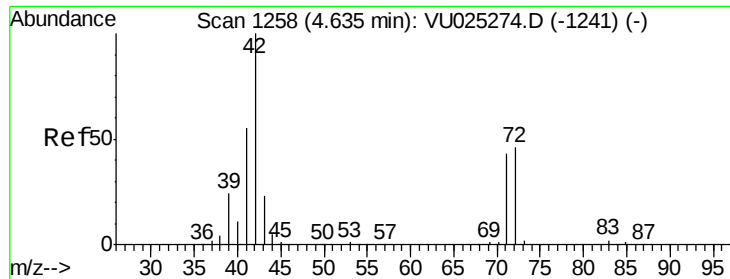
Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



Time-->





#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 4.65 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VU025307.D

Acq: 11 Jul 2018 11:20

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBL01

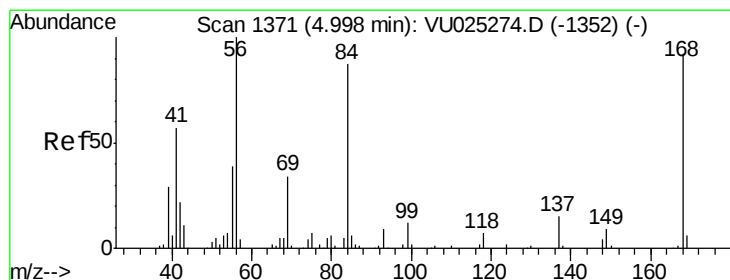
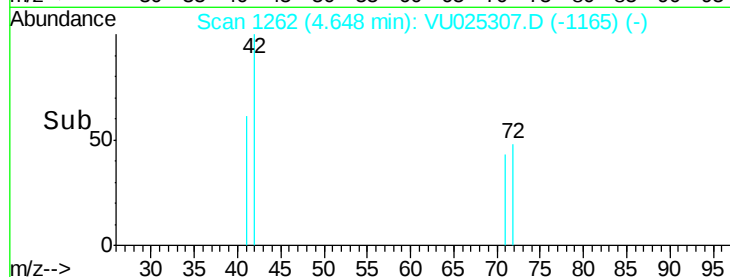
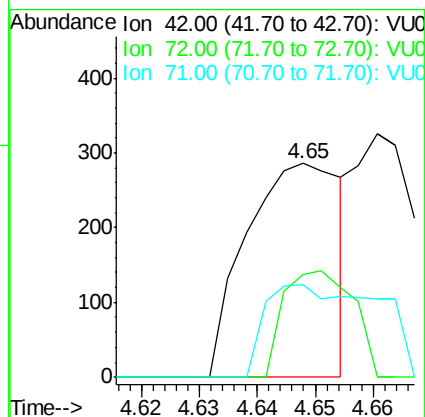
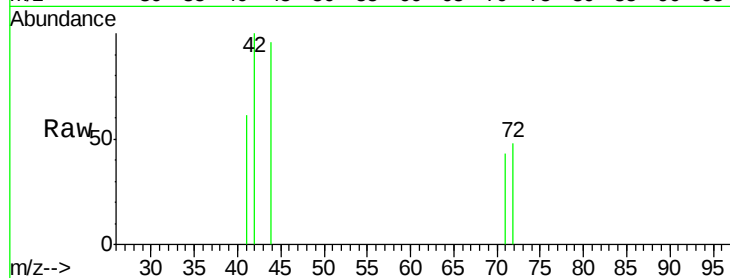
Tot Ion: 42 Resp: 323

Ion Ratio Lower Upper

42 100

72 36.8 36.7 55.1

71 52.3 33.9 50.9#



#31

Cyclohexane

Concen: 1.79 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025307.D

Acq: 11 Jul 2018 11:20

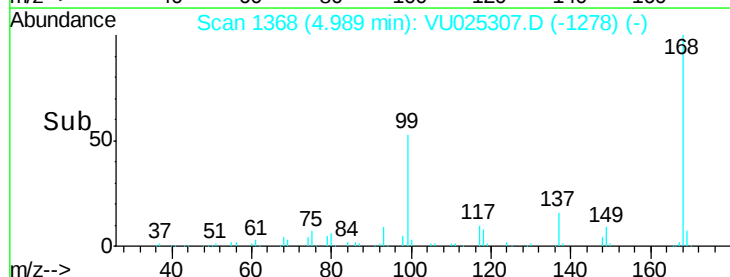
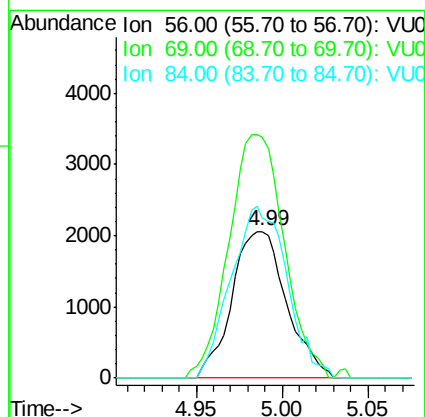
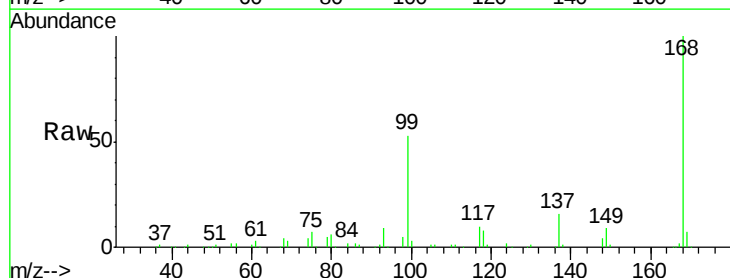
Tgt Ion: 56 Resp: 4567

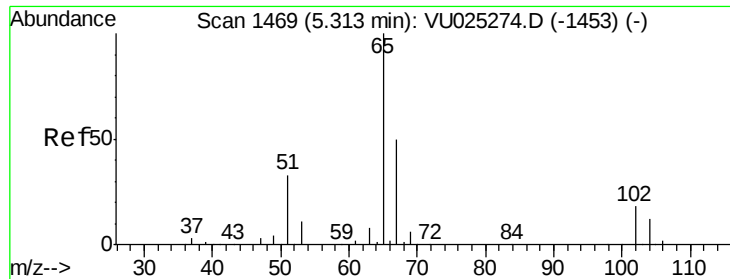
Ion Ratio Lower Upper

56 100

69 159.3 26.8 40.2#

84 109.6 69.7 104.5#

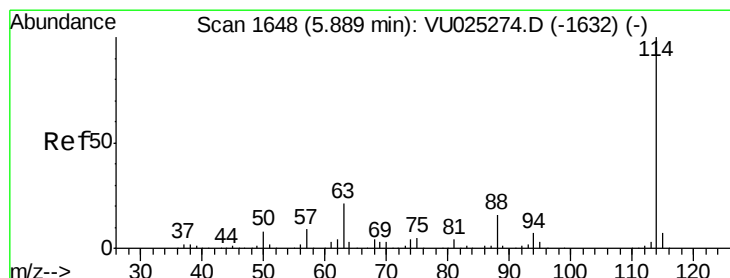
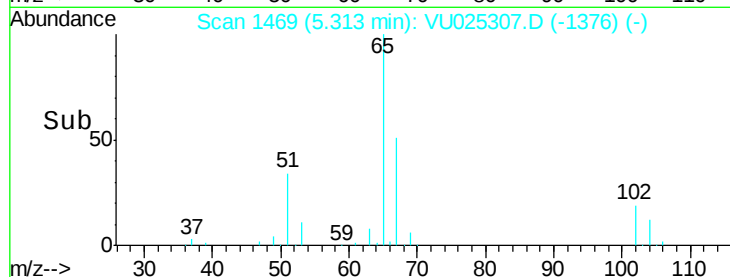
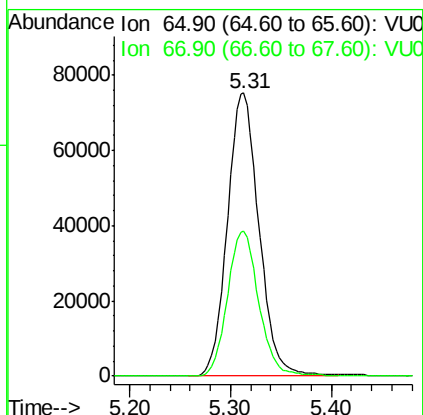
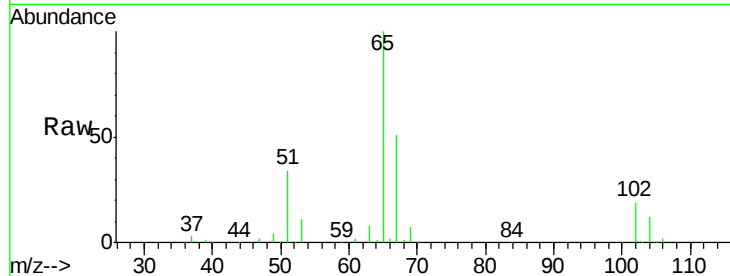




#33
 1,2-Dichloroethane-d4
 Concen: 48.01 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025307.D
 Acq: 11 Jul 2018 11:20

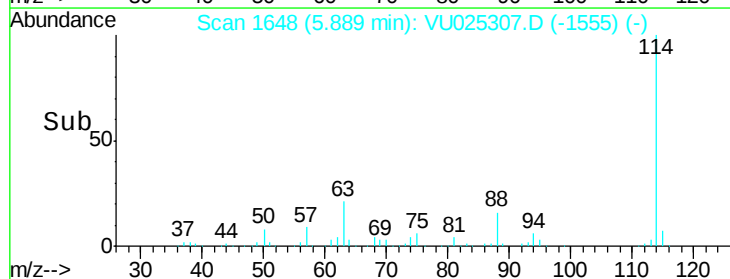
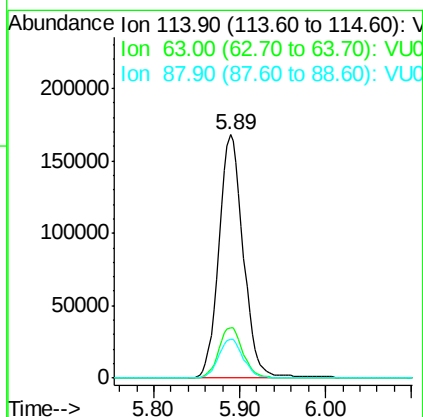
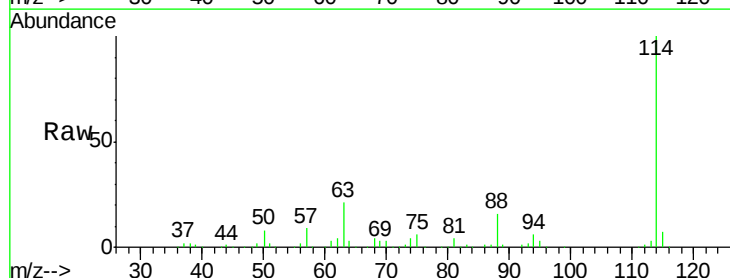
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBL01

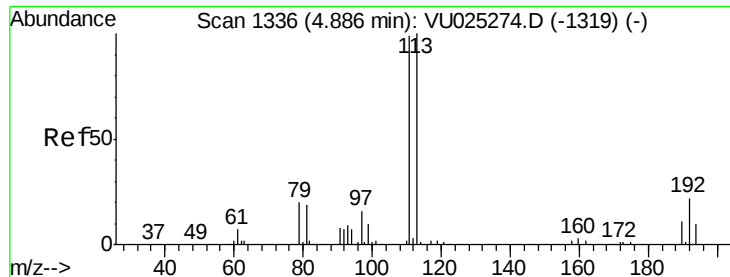
Tot Ion: 65 Resp: 164078
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025307.D
 Acq: 11 Jul 2018 11:20

Tgt Ion: 114 Resp: 332914
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.6
 88 16.0 0.0 32.4

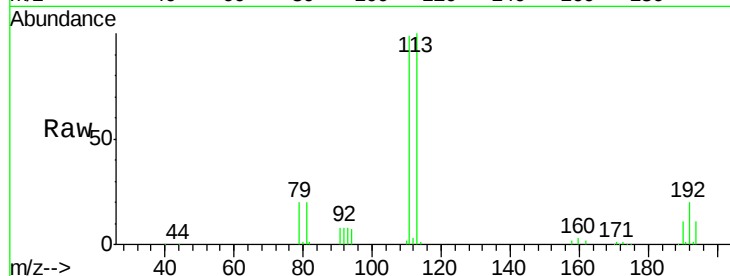




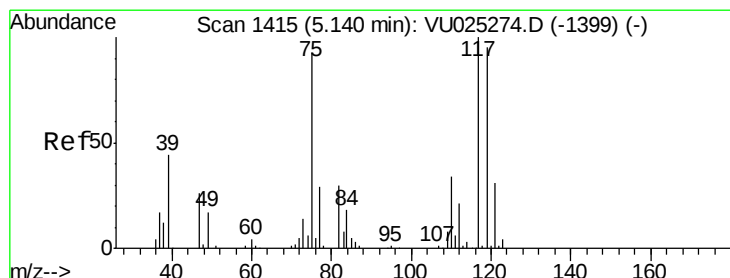
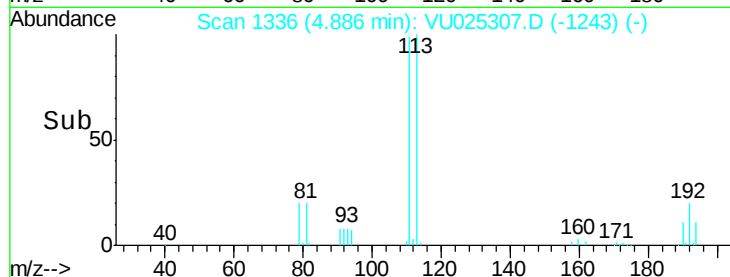
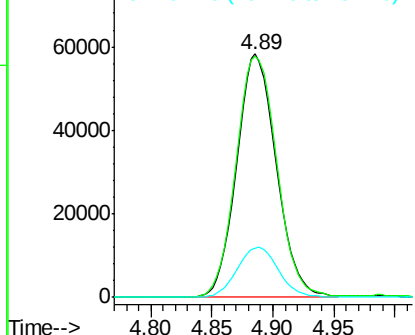
#35
 Dibromofluoromethane
 Concen: 46.71 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025307.D
 Acq: 11 Jul 2018 11:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBL01

Tot Ion:113 Resp: 131192
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.7 122.5
 192 21.3 17.1 25.7

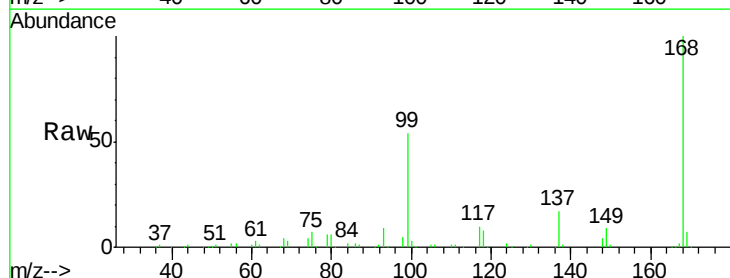


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

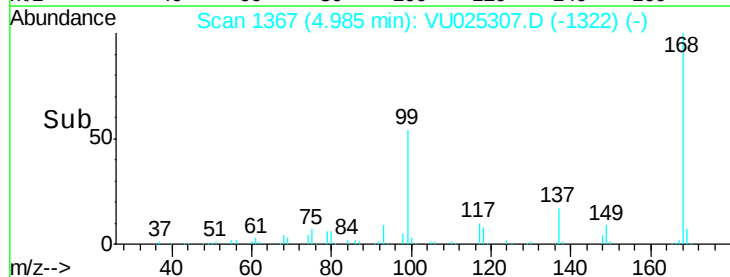
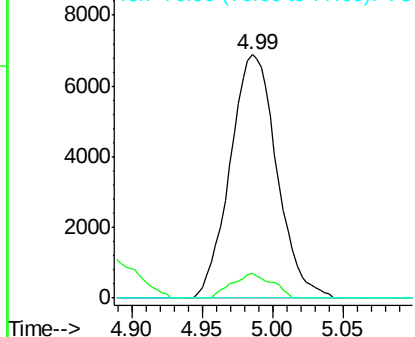


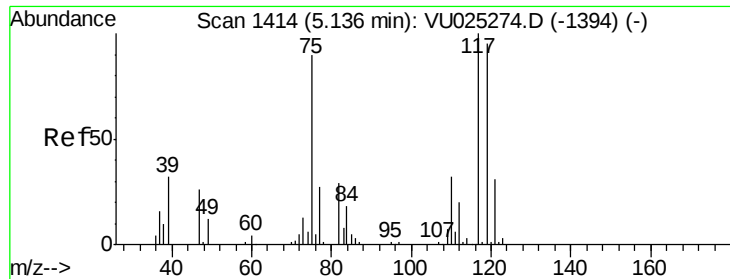
#36
 1,1-Dichloropropene
 Concen: 4.32 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025307.D
 Acq: 11 Jul 2018 11:20

Tgt Ion: 75 Resp: 15976
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.6 52.9#
 77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.36 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025307.D

Acq: 11 Jul 2018 11:20

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBL01

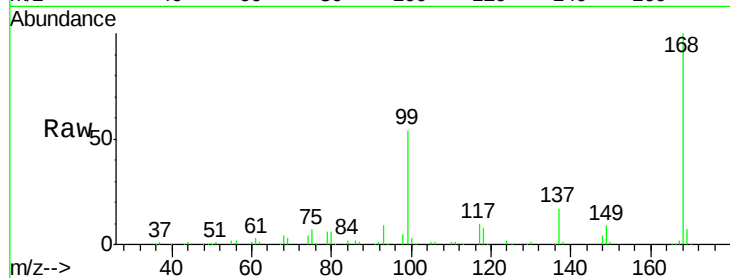
Tot Ion:117 Resp: 21360

Ion Ratio Lower Upper

117 100

119 4.4 75.7 113.5#

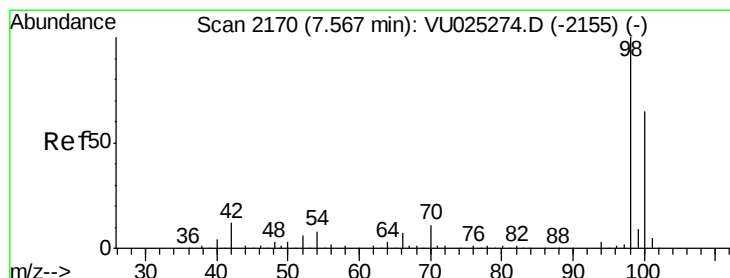
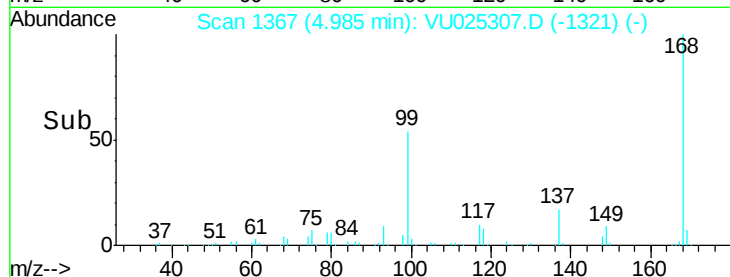
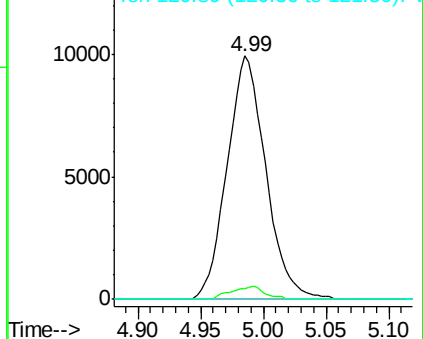
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 49.80 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025307.D

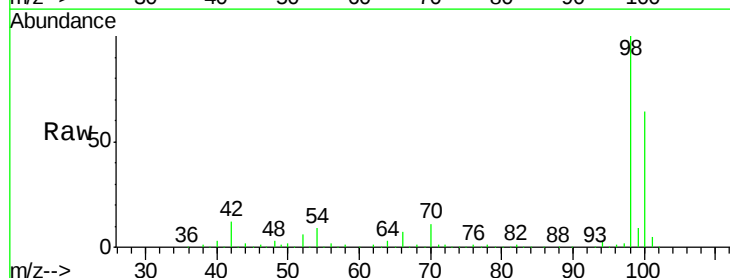
Acq: 11 Jul 2018 11:20

Tgt Ion: 98 Resp: 478908

Ion Ratio Lower Upper

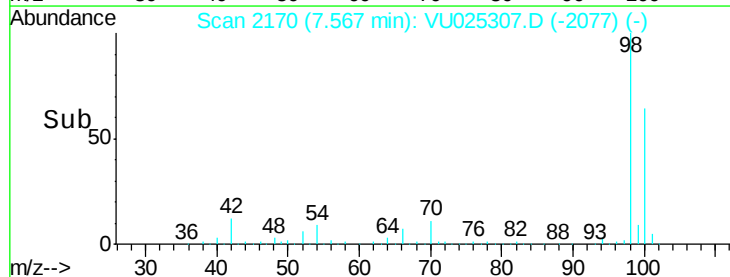
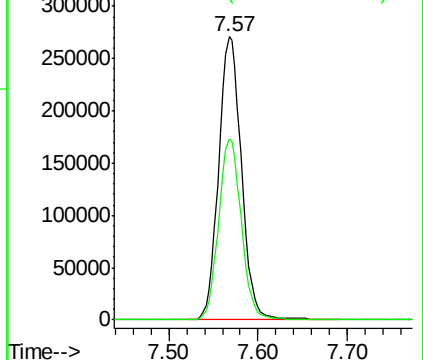
98 100

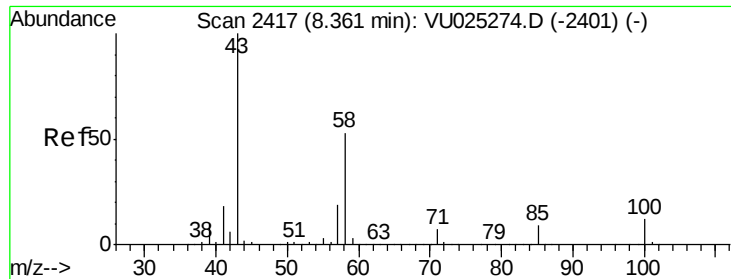
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

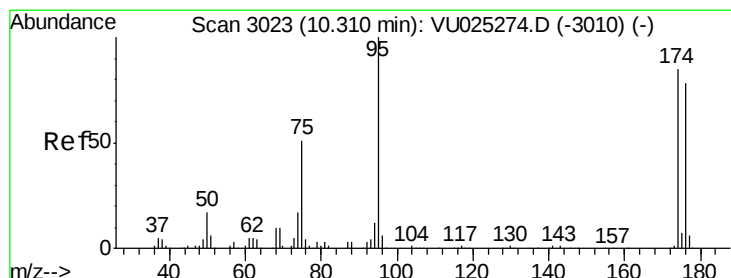
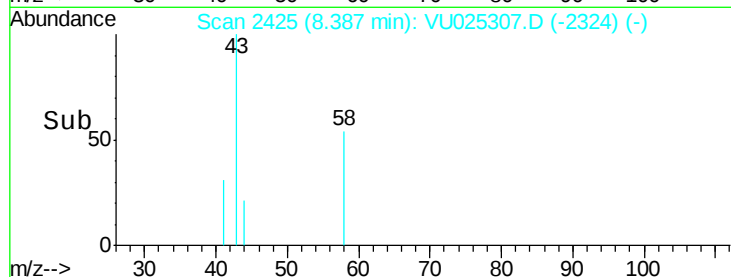
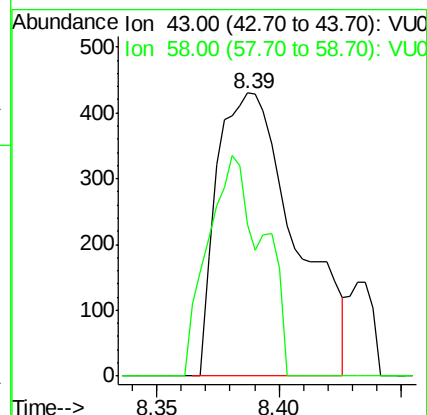
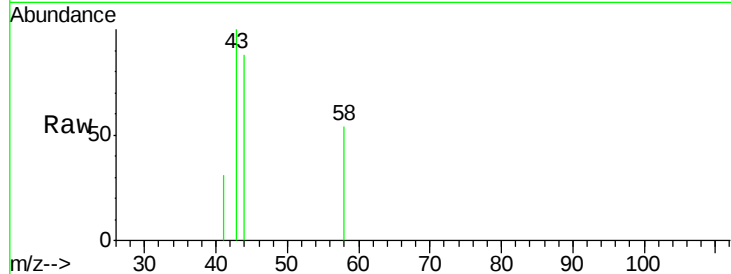




#59
2-Hexanone
Concen: 0.28 ug/l
RT: 8.39 min Scan# 2425
Delta R.T. 0.03 min
Lab File: VU025307.D
Acq: 11 Jul 2018 11:20

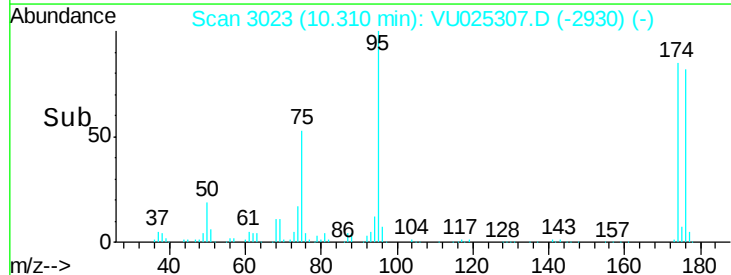
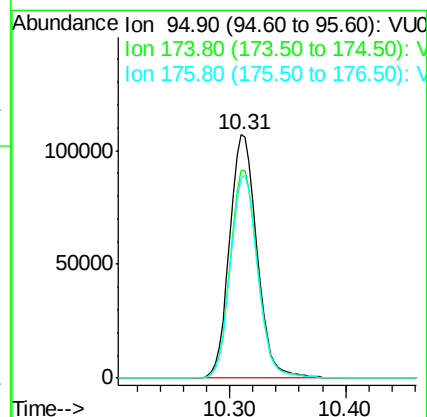
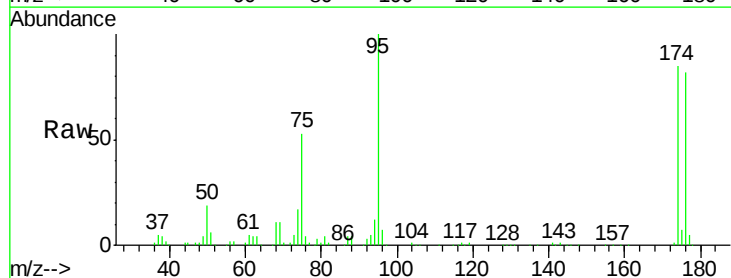
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBL01

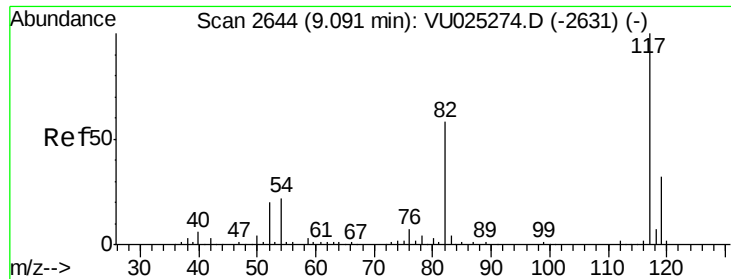
Tot Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
58 54.2 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 45.03 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025307.D
Acq: 11 Jul 2018 11:20

Tgt Ion: 95 Resp: 174364
Ion Ratio Lower Upper
95 100
174 85.3 0.0 172.2
176 83.0 0.0 162.6

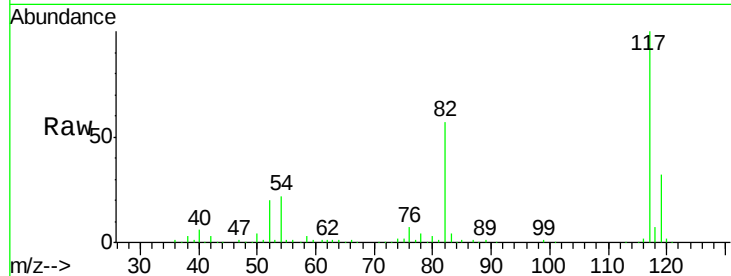




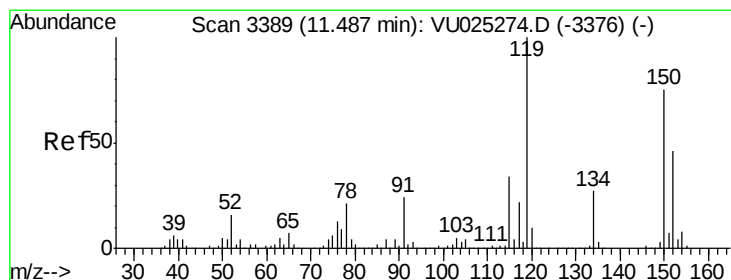
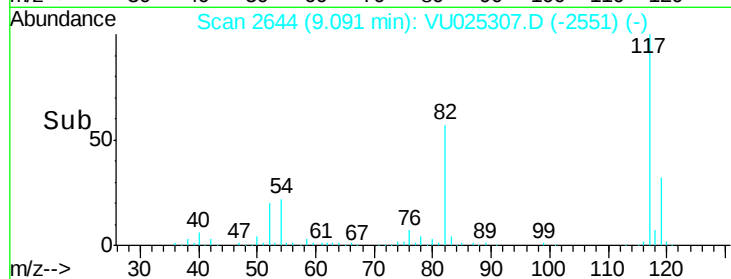
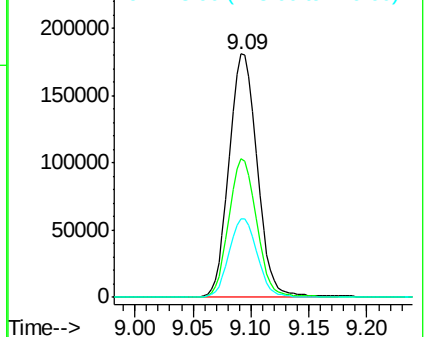
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025307.D
Acq: 11 Jul 2018 11:20

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBL01

Tot Ion:117 Resp: 304547
Ion Ratio Lower Upper
117 100
82 56.8 46.0 69.0
119 32.4 26.0 39.0

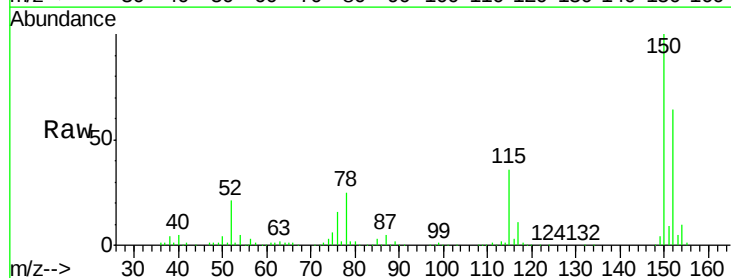


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

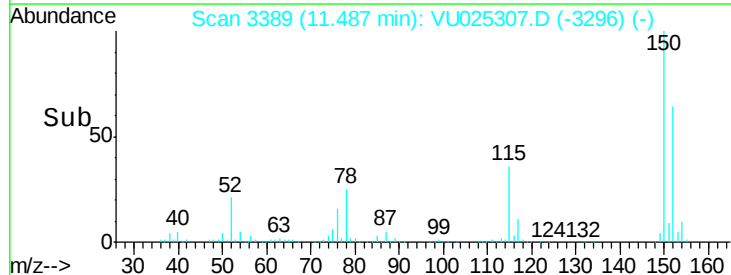
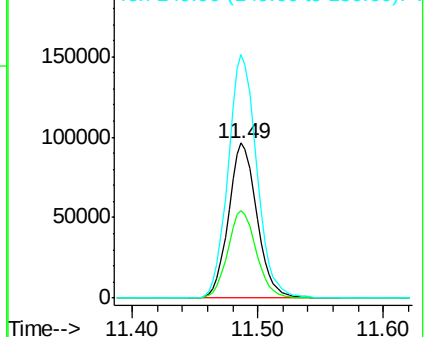


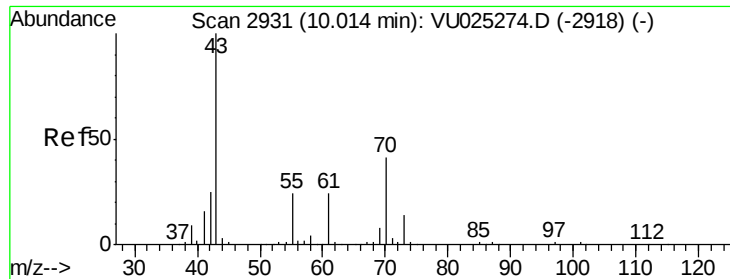
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025307.D
Acq: 11 Jul 2018 11:20

Tgt Ion:152 Resp: 151275
Ion Ratio Lower Upper
152 100
115 56.8 40.1 120.3
150 158.5 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: 1.34 ug/l

RT: 10.03 min Scan# 2937

Delta R.T. 0.02 min

Lab File: VU025307.D

Acq: 11 Jul 2018 11:20

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBL01

Tot Ion: 43 Resp: 348

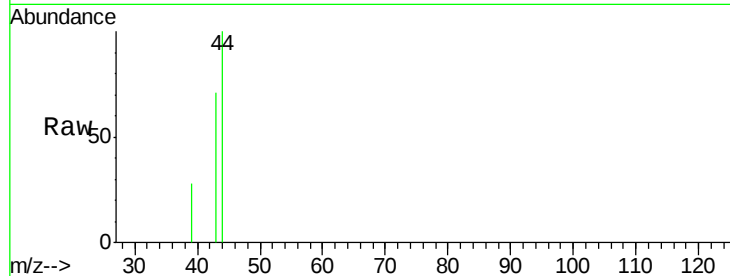
Ion Ratio Lower Upper

43 100

70 32.5 33.4 50.2#

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#

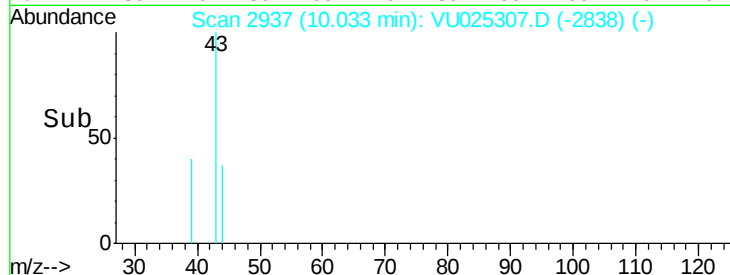
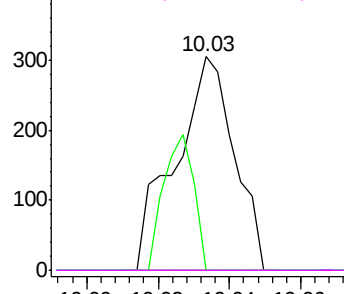


Abundance Ion 43.00 (42.70 to 43.70): VU0

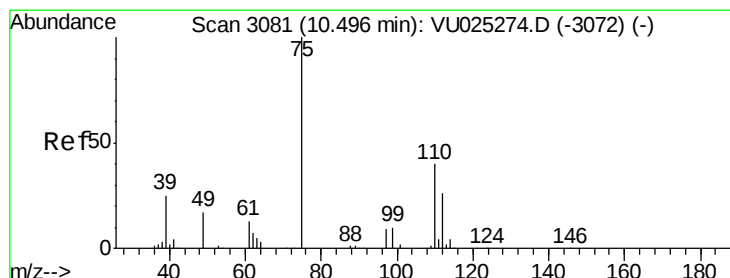
Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->



#76

1,2,3-Trichloropropane

Concen: 29.38 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025307.D

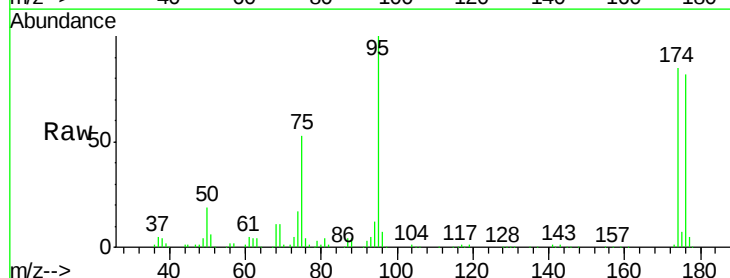
Acq: 11 Jul 2018 11:20

Tgt Ion: 75 Resp: 90597

Ion Ratio Lower Upper

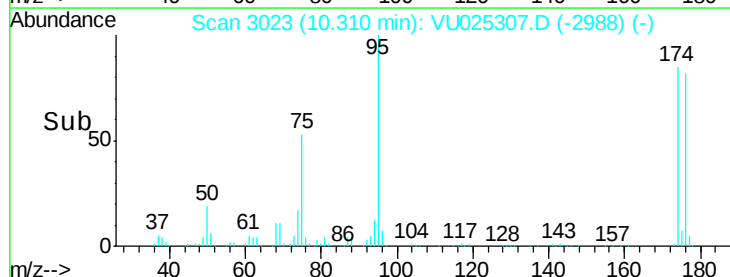
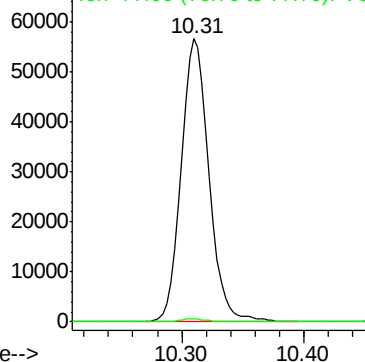
75 100

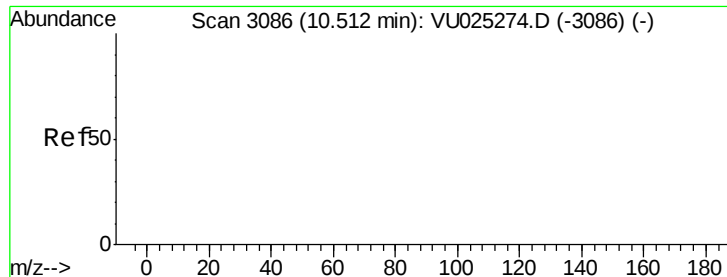
77 0.9 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

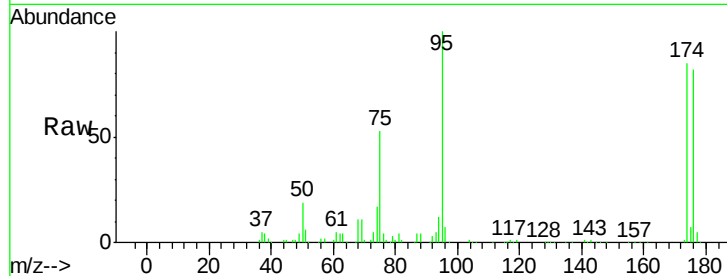




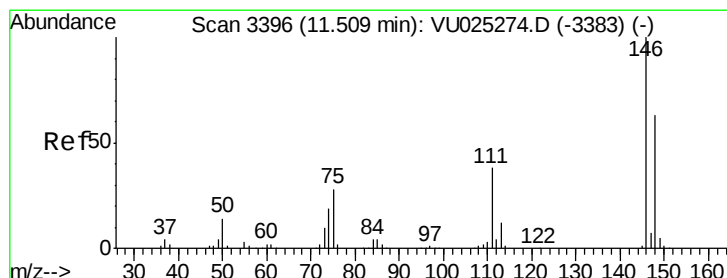
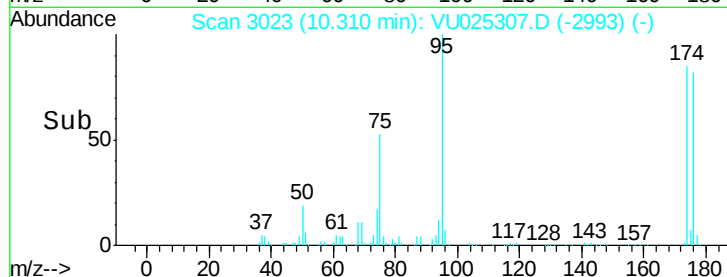
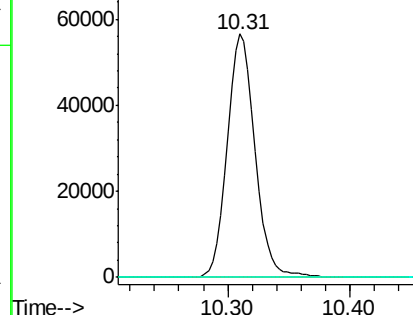
#81
trans-1,4-Dichloro-2-butene
Concen: 75.17 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU025307.D
Acq: 11 Jul 2018 11:20

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBL01

Tot Ion: 75 Resp: 90597
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

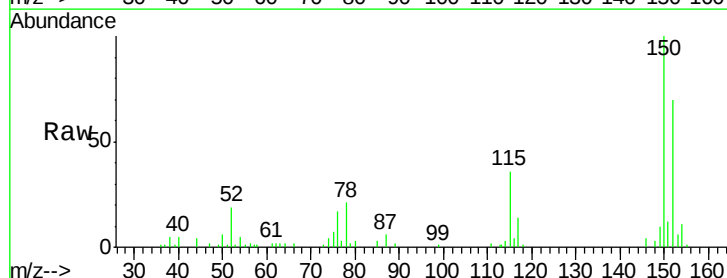


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

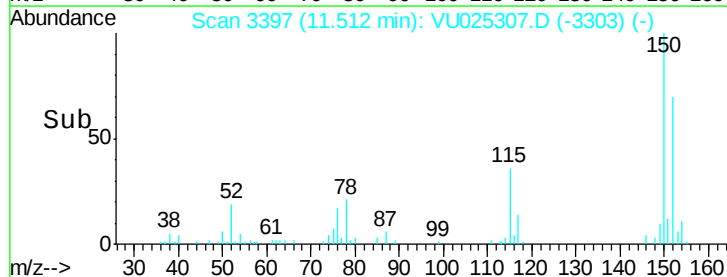
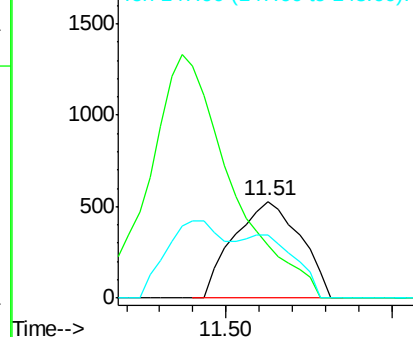


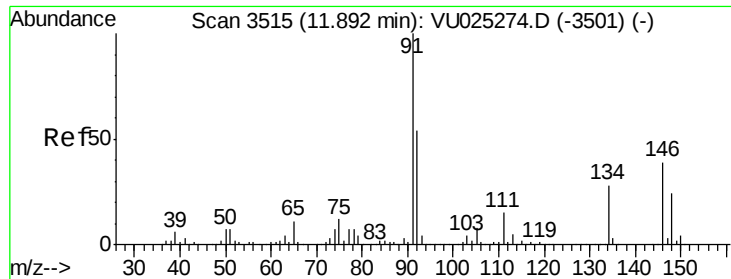
#88
1,4-Dichlorobenzene
Concen: 1.62 ug/l
RT: 11.51 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VU025307.D
Acq: 11 Jul 2018 11:20

Tgt Ion: 146 Resp: 740
Ion Ratio Lower Upper
146 100
111 0.0 19.4 58.1#
148 0.0 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: 0.21 ug/l

RT: 11.90 min Scan# 3517

Delta R.T. 0.01 min

Lab File: VU025307.D

Acq: 11 Jul 2018 11:20

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBL01

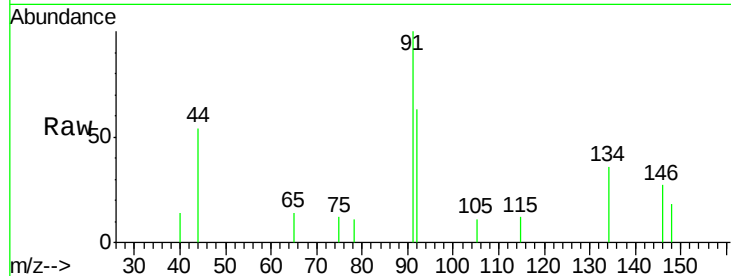
Tot Ion: 91 Resp: 1775

Ion Ratio Lower Upper

91 100

92 62.6 26.5 79.5

134 23.6 13.6 40.7

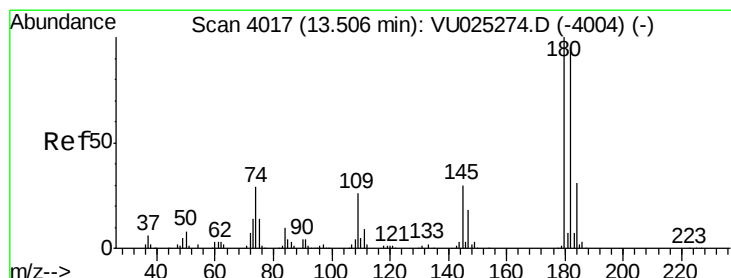
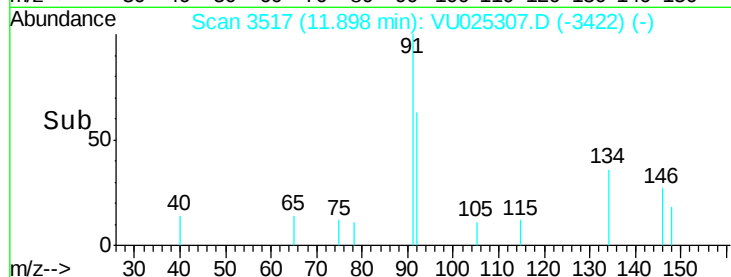


Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3501) (-)

Ion 92.00 (91.70 to 92.70): VU025274.D (-3501) (-)

Ion 134.00 (133.70 to 134.70): VU025274.D (-3501) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.66 ug/l

RT: 13.51 min Scan# 4019

Delta R.T. 0.01 min

Lab File: VU025307.D

Acq: 11 Jul 2018 11:20

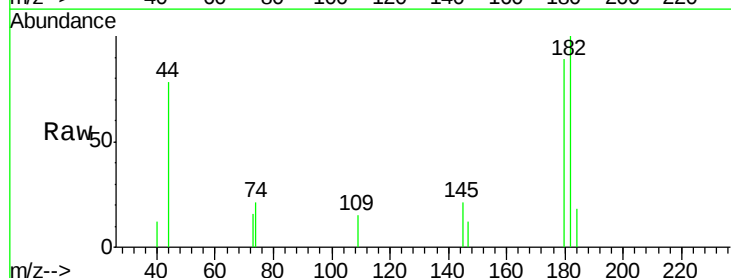
Tgt Ion: 180 Resp: 1456

Ion Ratio Lower Upper

180 100

182 99.2 47.3 141.9

145 21.6 14.9 44.7

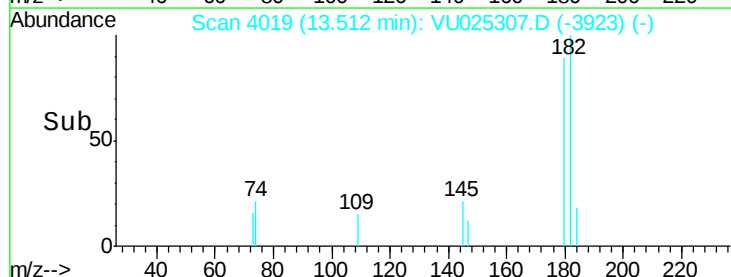


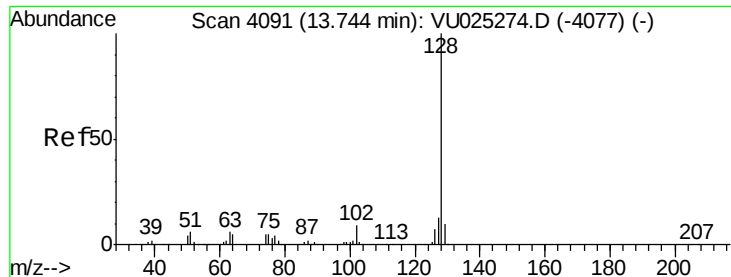
Abundance Ion 179.80 (179.50 to 180.50): VU025274.D (-4004) (-)

Ion 181.80 (181.50 to 182.50): VU025274.D (-4004) (-)

Ion 144.80 (144.50 to 145.50): VU025274.D (-4004) (-)

Time-->

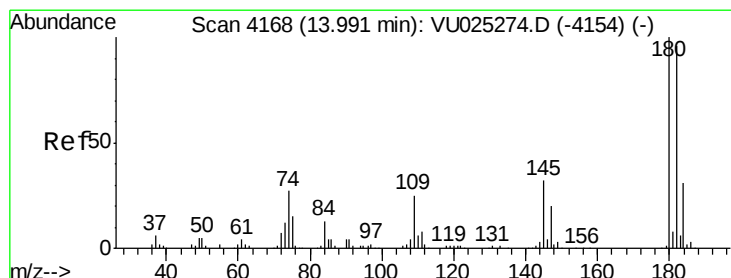
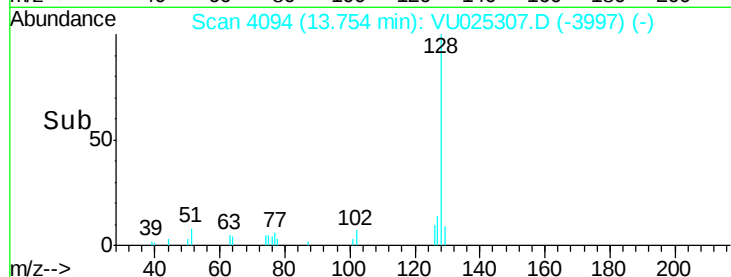
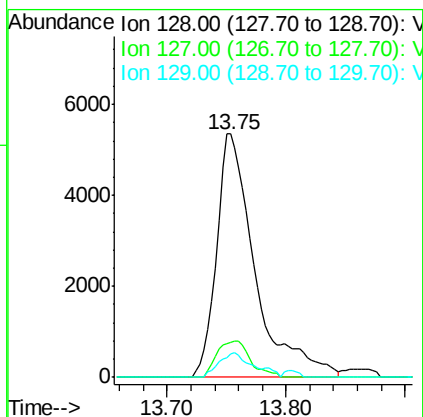
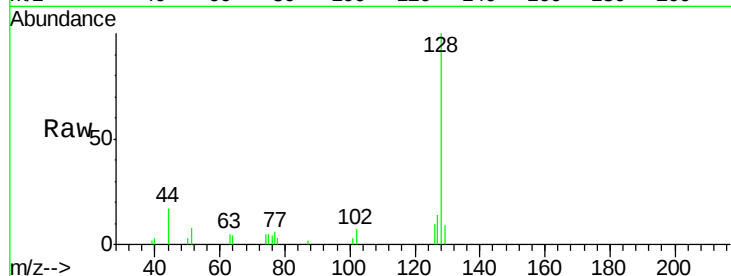




#95
Naphthalene
Concen: 3.44 ug/l
RT: 13.75 min Scan# 4094
Delta R.T. 0.01 min
Lab File: VU025307.D
Acq: 11 Jul 2018 11:20

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBL01

Tot Ion:128 Resp: 11992
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 7.8 8.3 12.5#



#96
1,2,3-Trichlorobenzene
Concen: 3.05 ug/l
RT: 14.00 min Scan# 4170
Delta R.T. 0.01 min
Lab File: VU025307.D
Acq: 11 Jul 2018 11:20

Tgt Ion:180 Resp: 2037
Ion Ratio Lower Upper
180 100
182 112.7 47.8 143.3
145 26.4 15.6 46.8

