

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025356.D
 Acq On : 12 Jul 2018 21:59
 Operator : MD/SY
 Sample : J3922-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW266-180709

Quant Time: Jul 13 01:14:56 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	190068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	297546	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	270385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	145541	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	147238	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
35) Dibromofluoromethane	4.89	113	114820	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	
50) Toluene-d8	7.57	98	419084	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	10.31	95	155144	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	345	0.74	ug/l #	42
4) Vinyl Chloride	1.40	62	6890	3.19	ug/l #	86
5) Bromomethane	1.63	94	254	Below Cal		95
6) Chloroethane	1.40	64	1722	1.54	ug/l #	43
11) Tert butyl alcohol	2.83	59	408	0.63	ug/l #	73
14) Allyl chloride	2.71	41	9994	2.86	ug/l #	54
15) Acrylonitrile	3.00	53	893	0.67	ug/l #	26
16) Acetone	2.32	43	724	5.34	ug/l #	85
17) Carbon Disulfide	2.48	76	53	1.94	ug/l #	74
18) Methyl Acetate	2.62	43	7557	2.50	ug/l	96
20) Methylene Chloride	2.71	84	76	0.72	ug/l #	38
23) Vinyl Acetate	3.31	43	1571	0.25	ug/l #	60
25) 2-Butanone	4.21	43	419	0.20	ug/l #	49
27) cis-1,2-Dichloroethene	4.23	96	51586	20.25	ug/l	91
31) Cyclohexane	5.00	56	41189	11.62	ug/l	95
36) 1,1-Dichloropropene	4.99	75	13870	4.19	ug/l #	53
38) Carbon Tetrachloride	4.99	117	18228	5.12	ug/l #	16
39) Methylcyclohexane	6.42	83	25170	6.10	ug/l	93
40) Benzene	5.40	78	7280	0.76	ug/l	99
43) Isopropyl Acetate	5.54	43	9722	1.65	ug/l #	61
44) Trichloroethene	6.19	130	33345	12.18	ug/l	100
48) Methyl methacrylate	6.64	41	1464	0.50	ug/l #	54
55) 1,1,2-Trichloroethane	8.05	97	2537	1.00	ug/l #	21
60) Dibromochloromethane	8.23	129	28008	10.27	ug/l #	11
64) Tetrachloroethene	8.23	164	29589	12.01	ug/l	93
65) Chlorobenzene	9.12	112	198060	29.32	ug/l	100
73) Isopropylbenzene	10.17	105	36255	3.26	ug/l	98
74) N-amyl acetate	10.02	43	114	1.29	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	10.50	83	971	0.27	ug/l #	26
76) 1,2,3-Trichloropropane	10.31	75	82436	27.84	ug/l #	36
78) n-propylbenzene	10.59	91	54724	4.43	ug/l	98
79) 2-Chlorotoluene	10.59	91	54724	7.85	ug/l #	40
80) 1,3,5-Trimethylbenzene	10.98	105	3573	0.38	ug/l	70
81) trans-1,4-Dichloro-2-buten	10.31	75	82436	71.10	ug/l #	100

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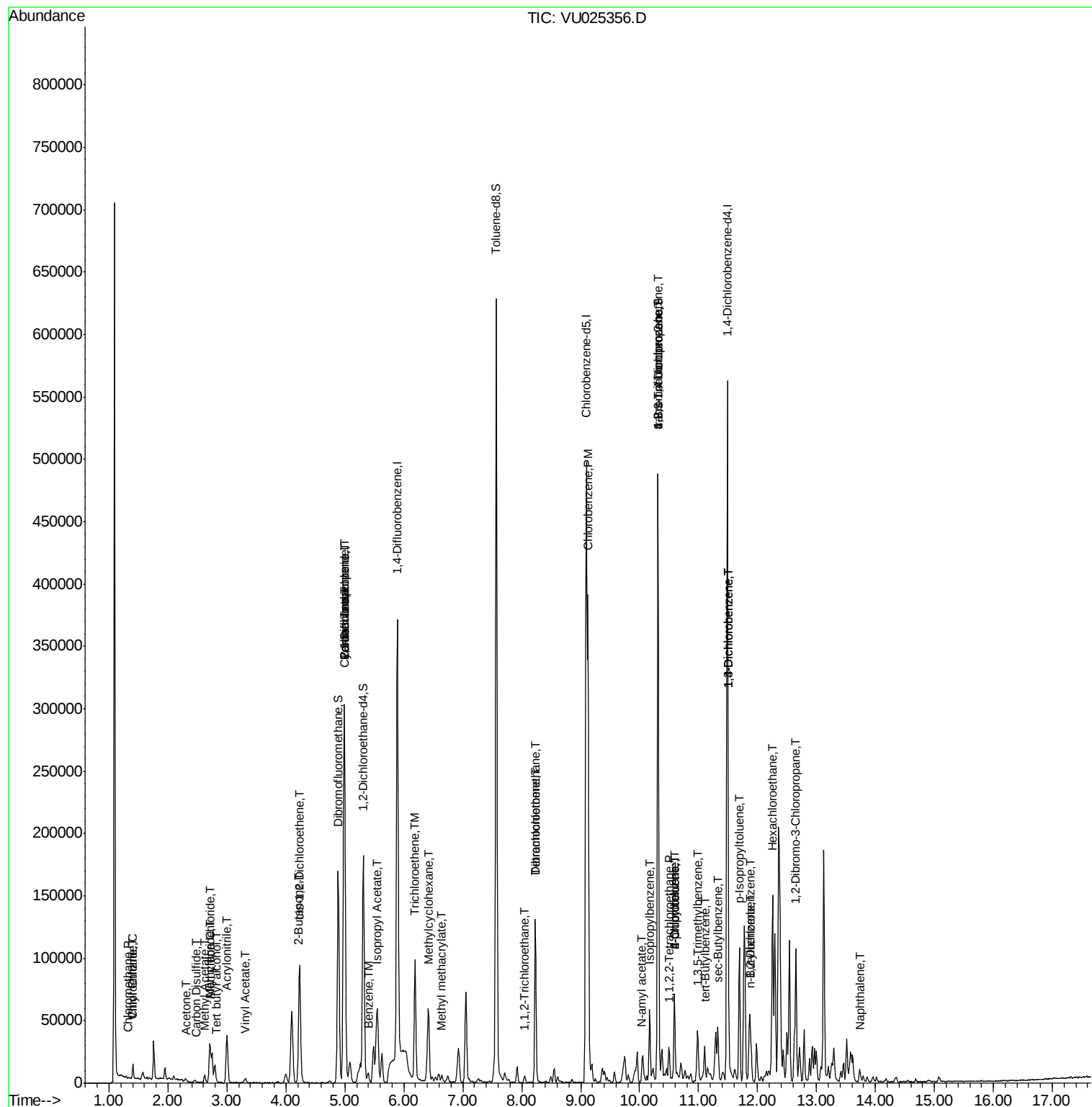
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	10.59	91	54724	6.26	ug/l #	44
83) tert-Butylbenzene	11.10	119	11894	1.26	ug/l	88
85) sec-Butylbenzene	11.33	105	25339	2.28	ug/l	98
86) p-Isopropyltoluene	11.69	119	59595	6.05	ug/l	96
87) 1,3-Dichlorobenzene	11.51	146	10094	1.94	ug/l	82
88) 1,4-Dichlorobenzene	11.51	146	10094	3.42	ug/l #	81
89) n-Butylbenzene	11.89	91	11552	1.43	ug/l #	68
90) Hexachloroethane	12.26	117	7955	4.77	ug/l #	7
91) 1,2-Dichlorobenzene	11.89	146	2378	0.45	ug/l	88
92) 1,2-Dibromo-3-Chloropropan	12.65	75	530	0.60	ug/l #	1
95) Naphthalene	13.75	128	2756	2.66	ug/l #	78

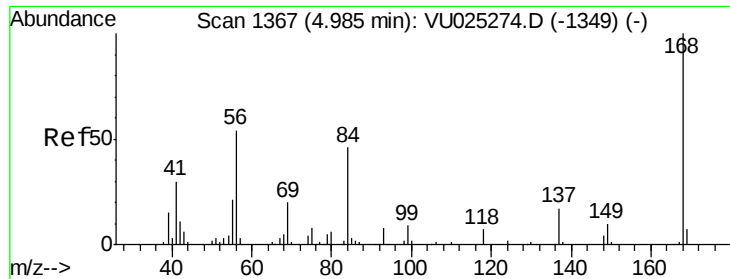
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

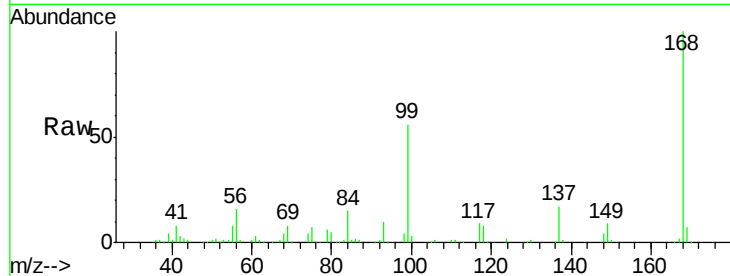
SS037MW266-180709

Tot Ion:168 Resp: 190068

Ion Ratio Lower Upper

168 100

99 56.4 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) (-)

4.99

80000

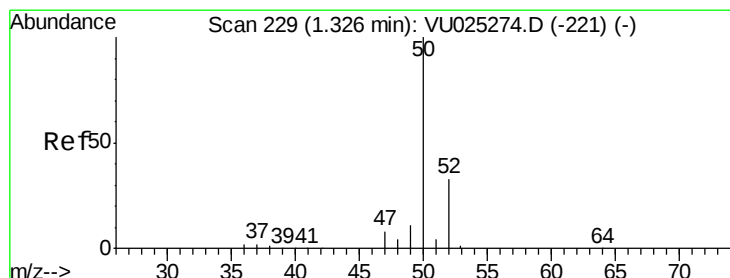
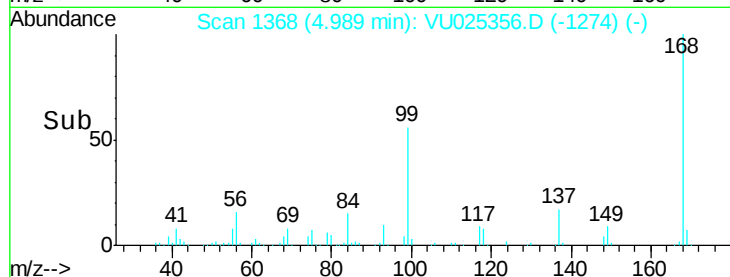
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.74 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025356.D

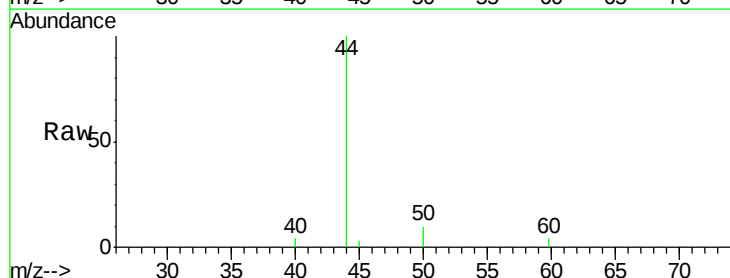
Acq: 12 Jul 2018 21:59

Tgt Ion: 50 Resp: 345

Ion Ratio Lower Upper

50 100

52 0.0 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) (-)

1.33

400

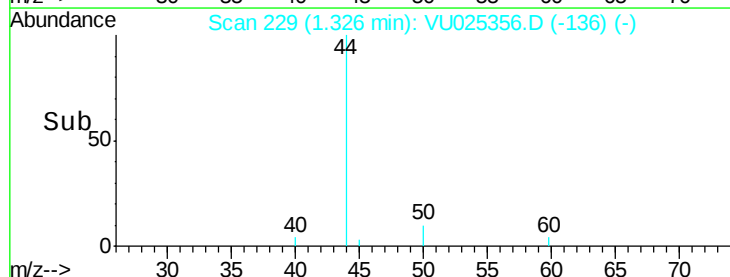
300

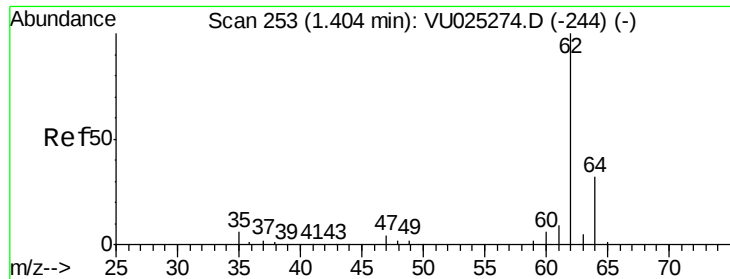
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 3.19 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

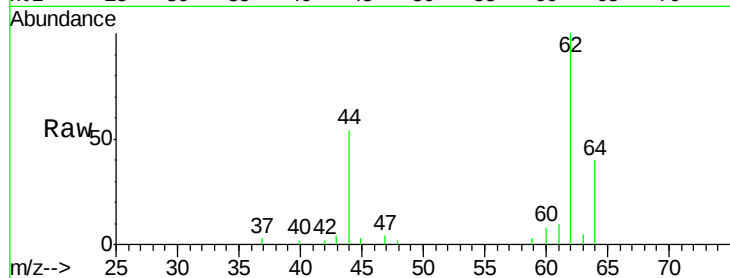
SS037MW266-180709

Tot Ion: 62 Resp: 6890

Ion Ratio Lower Upper

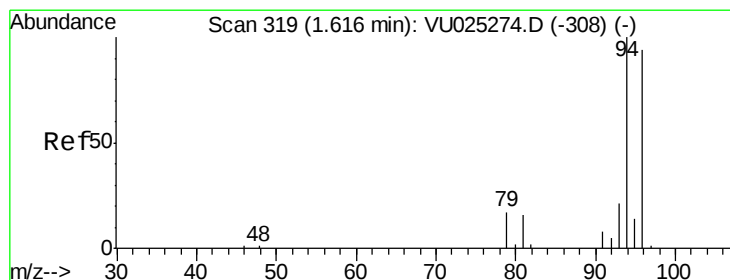
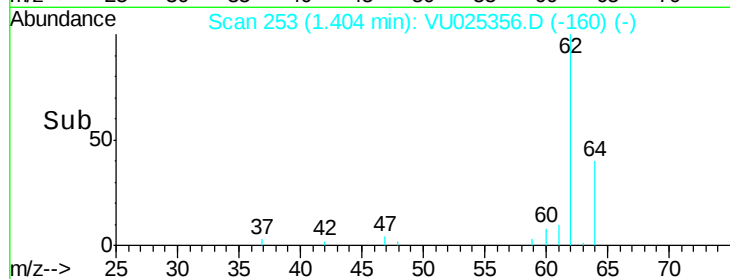
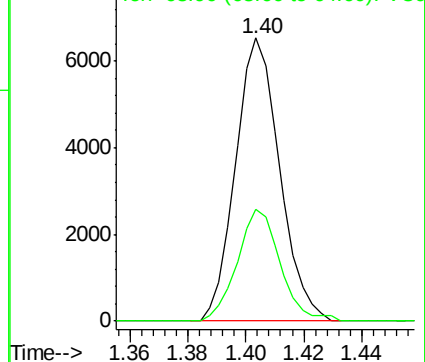
62 100

64 39.5 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025356.D

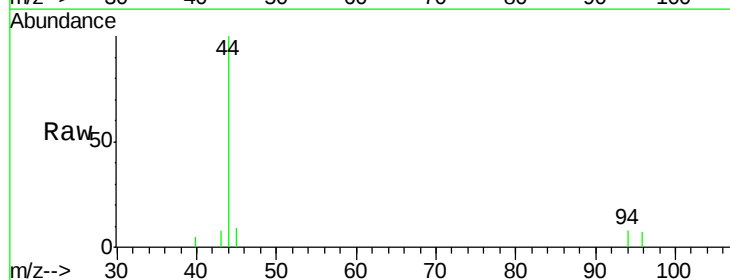
Acq: 12 Jul 2018 21:59

Tgt Ion: 94 Resp: 254

Ion Ratio Lower Upper

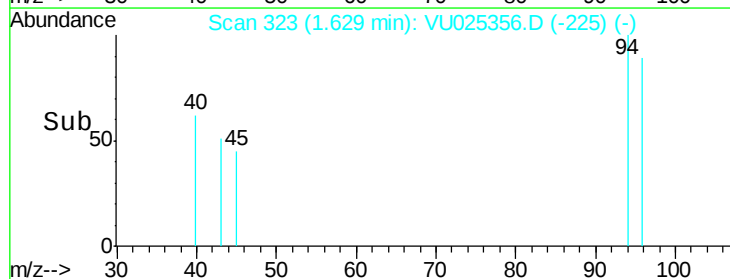
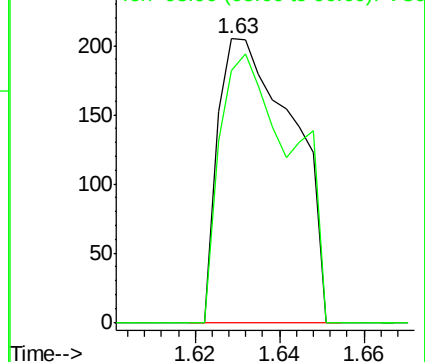
94 100

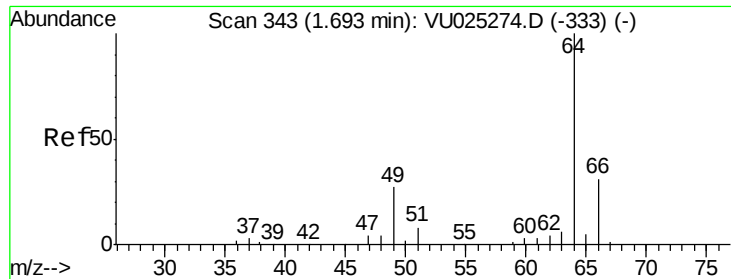
96 88.8 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

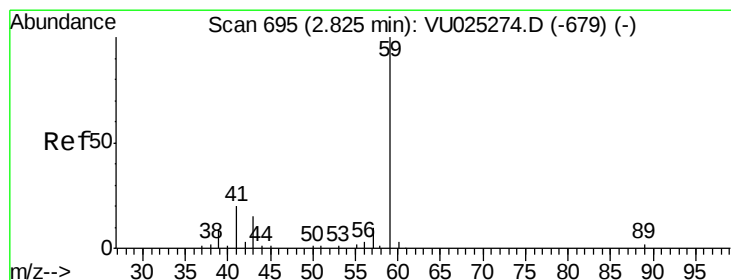
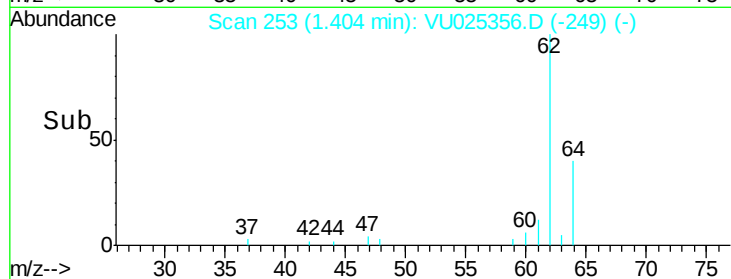
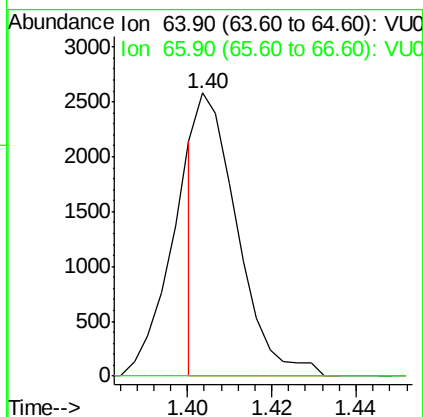
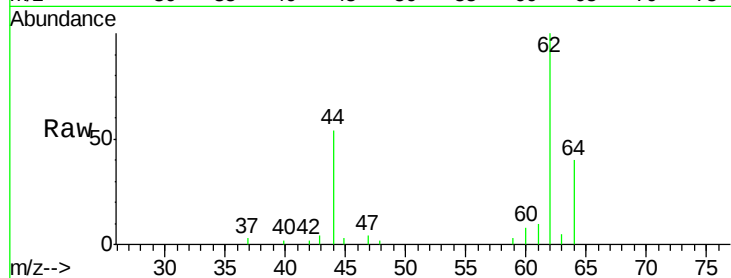




#6
 Chloroethane
 Concen: 1.54 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. -0.29 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

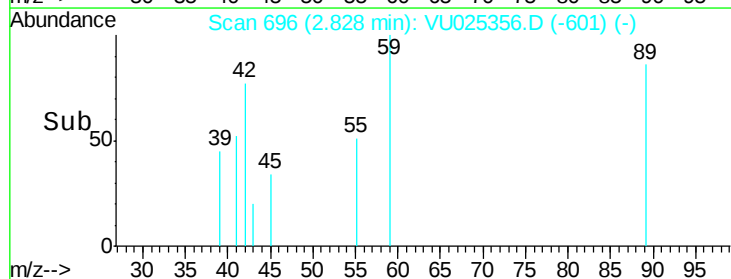
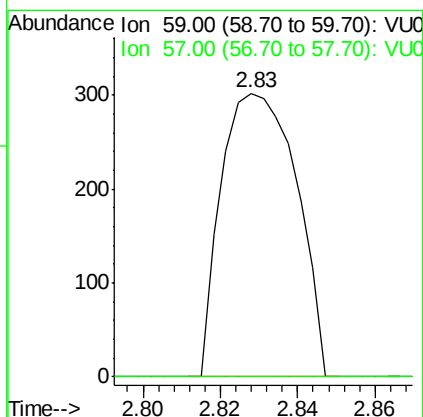
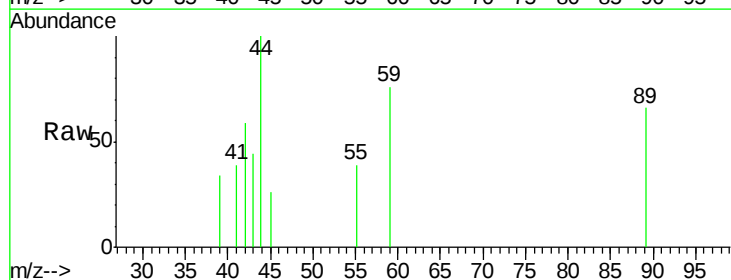
Instrument :
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 ClientSampleId :
 SS037MW266-180709

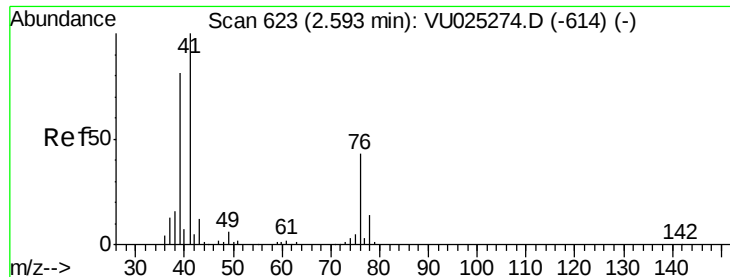
Tot Ion: 64 Resp: 1722
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.0 37.4#



#11
 Tert butyl alcohol
 Concen: 0.63 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

Tgt Ion: 59 Resp: 408
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#





#14

Allvl chloride

Concen: 2.86 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.11 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

SS037MW266-180709

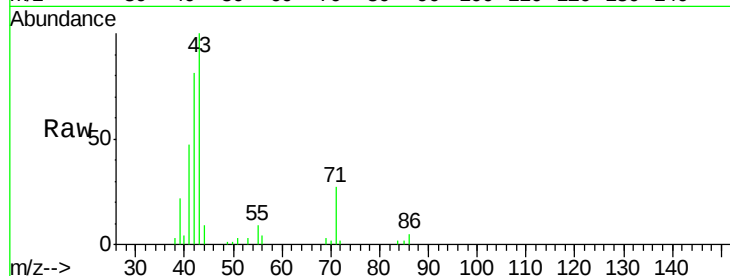
Tot Ion: 41 Resp: 9994

Ion Ratio Lower Upper

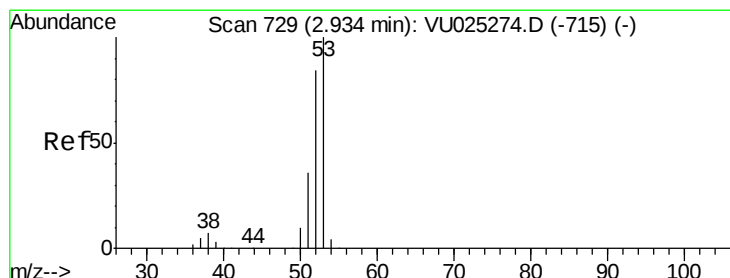
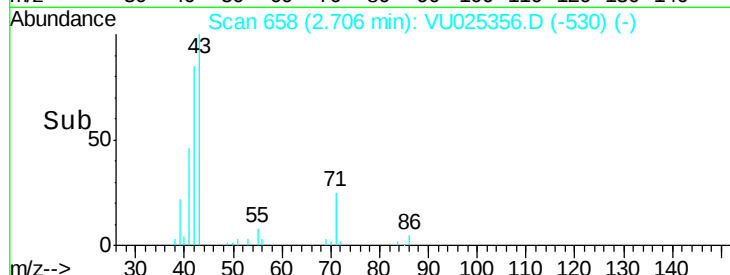
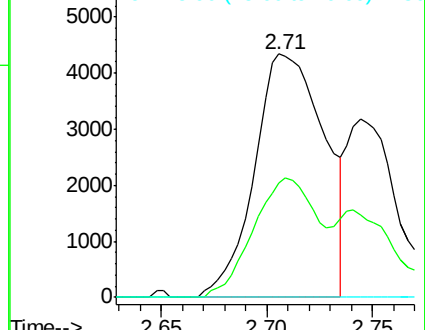
41 100

39 44.0 60.6 91.0#

76 0.0 30.5 45.7#



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 75.90 (75.60 to 76.60): VU0



#15

Acrylonitrile

Concen: 0.67 ug/l

RT: 3.00 min Scan# 751

Delta R.T. 0.07 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

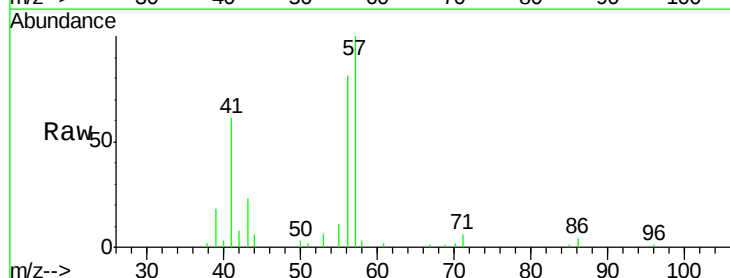
Tgt Ion: 53 Resp: 893

Ion Ratio Lower Upper

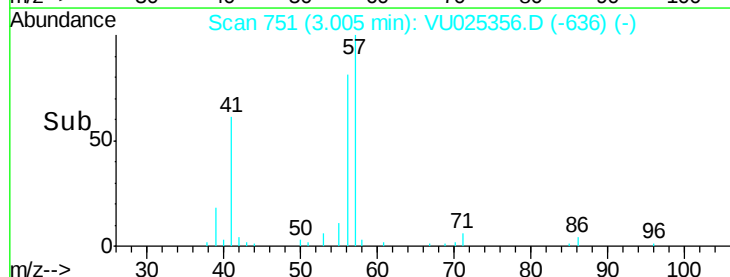
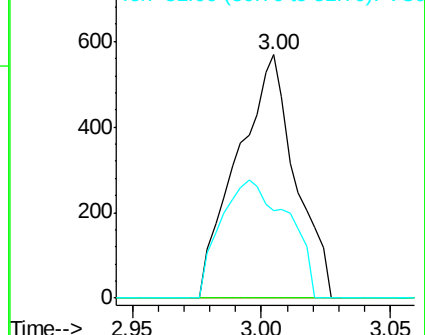
53 100

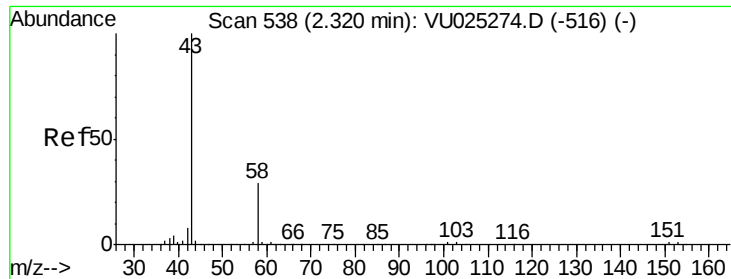
52 0.0 66.6 99.8#

51 56.3 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: 5.34 ug/l

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

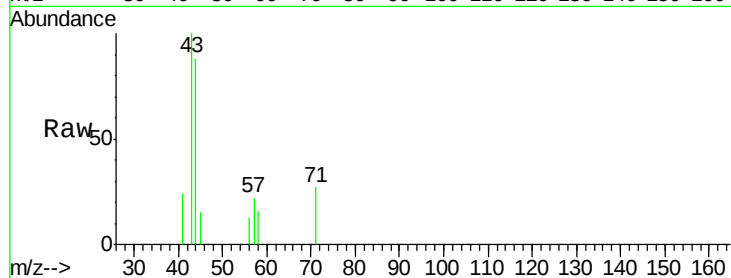
SS037MW266-180709

Tot Ion: 43 Resp: 724

Ion Ratio Lower Upper

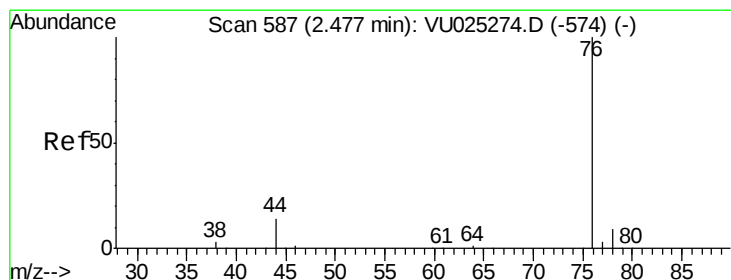
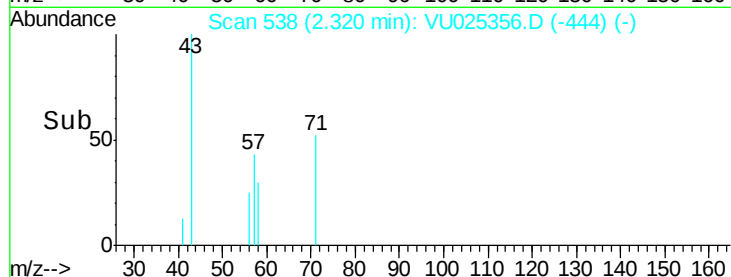
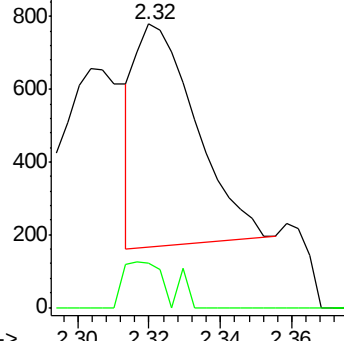
43 100

58 20.7 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: 1.94 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025356.D

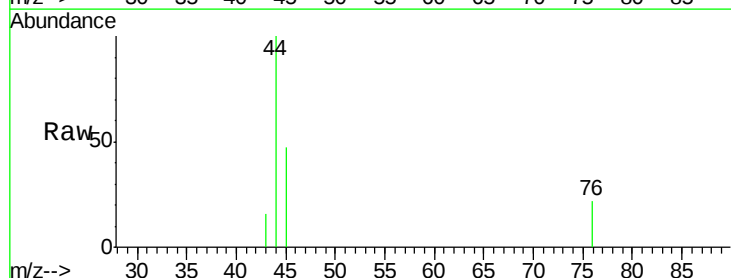
Acq: 12 Jul 2018 21:59

Tgt Ion: 76 Resp: 53

Ion Ratio Lower Upper

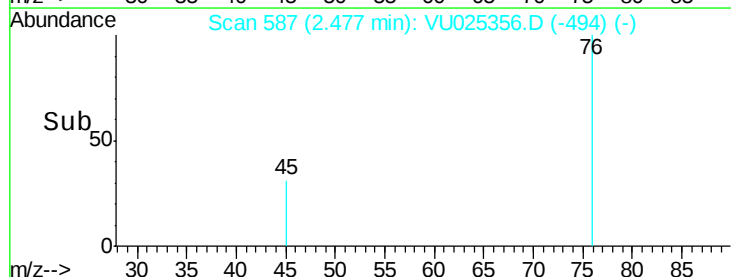
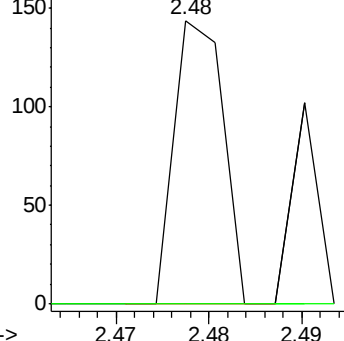
76 100

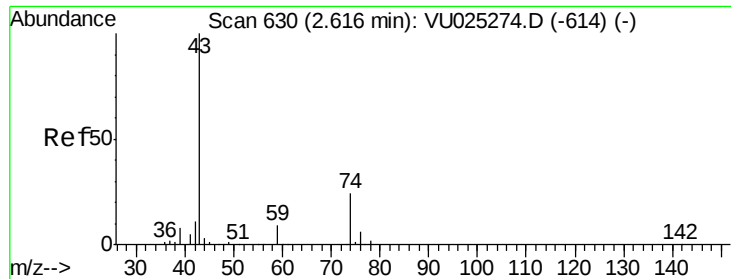
78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

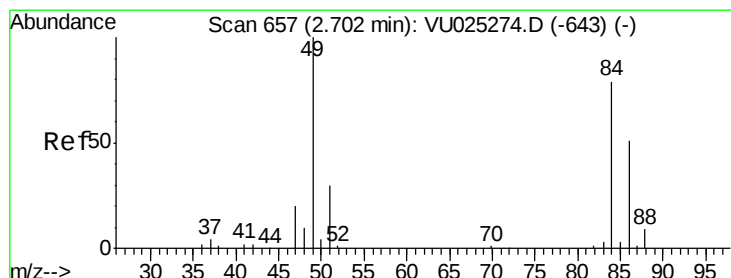
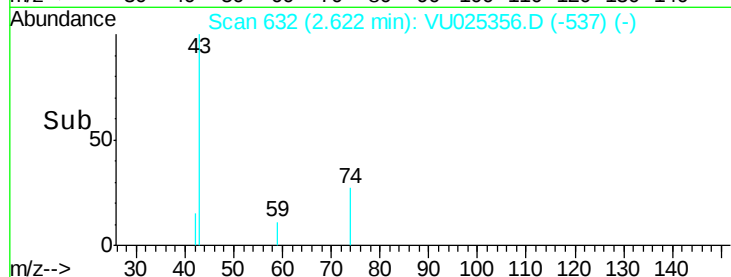
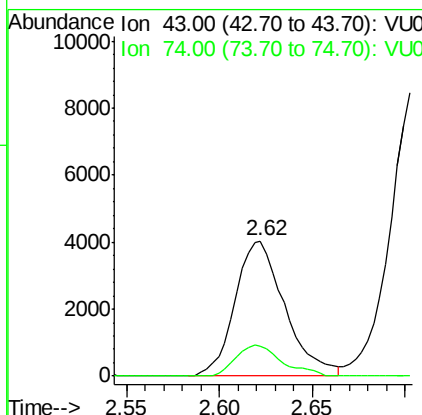
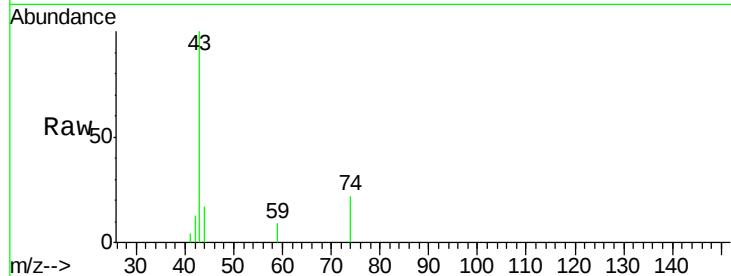




#18
Methyl Acetate
Concen: 2.50 ug/l
RT: 2.62 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU025356.D
Acq: 12 Jul 2018 21:59

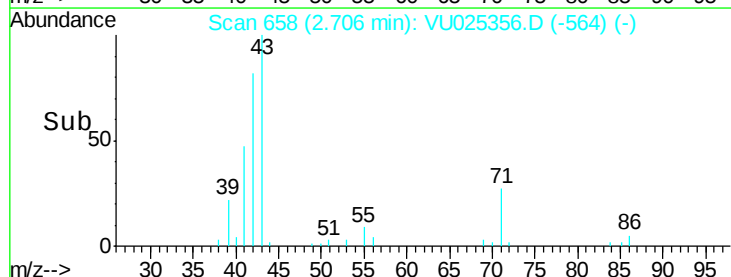
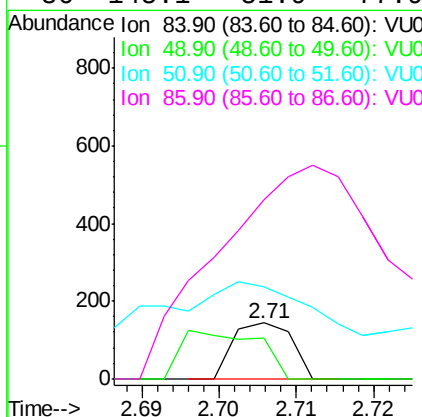
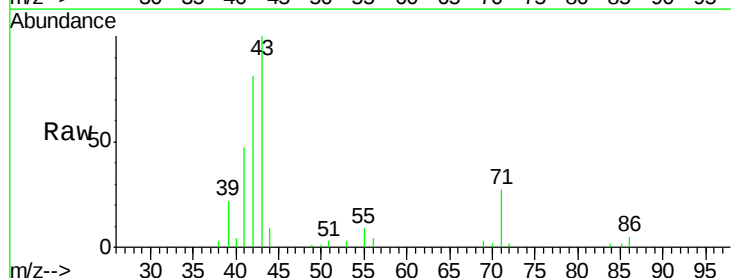
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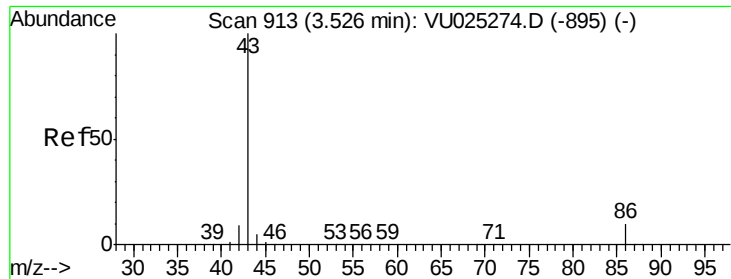
Tot Ion: 43 Resp: 7557
Ion Ratio Lower Upper
43 100
74 21.3 18.5 27.7



#20
Methylene Chloride
Concen: 0.72 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025356.D
Acq: 12 Jul 2018 21:59

Tgt Ion: 84 Resp: 76
Ion Ratio Lower Upper
84 100
49 72.9 101.8 152.6#
51 64.6 30.8 46.2#
86 145.1 51.9 77.9#





#23

Vinyl Acetate

Concen: 0.25 ug/l

RT: 3.31 min Scan# 847

Delta R.T. -0.21 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

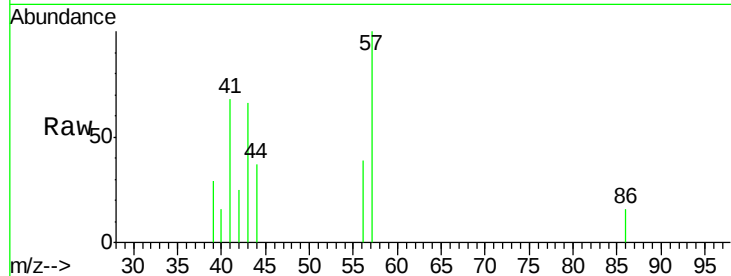
SS037MW266-180709

Tot Ion: 43 Resp: 1571

Ion Ratio Lower Upper

43 100

86 25.1 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.31

600

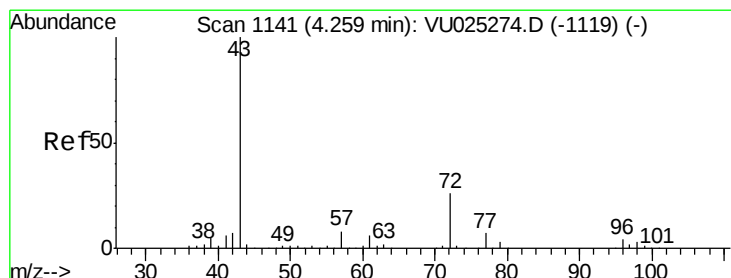
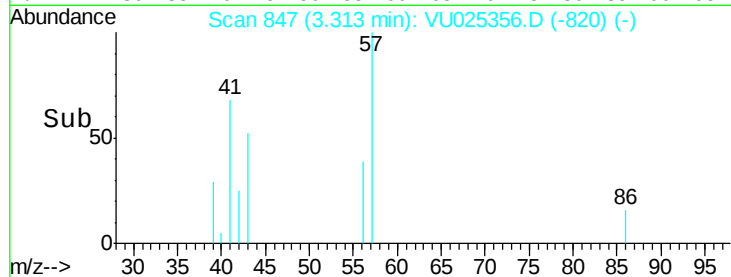
400

200

0

3.25 3.30 3.35

Time-->



#25

2-Butanone

Concen: 0.20 ug/l

RT: 4.21 min Scan# 1126

Delta R.T. -0.05 min

Lab File: VU025356.D

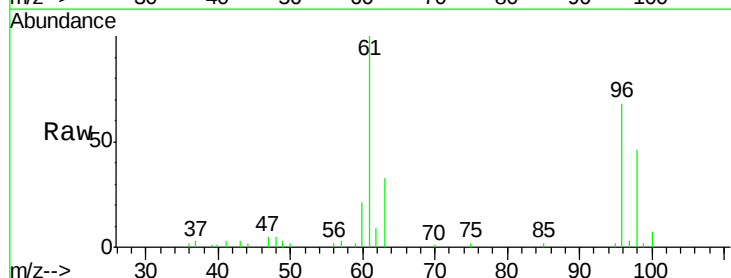
Acq: 12 Jul 2018 21:59

Tgt Ion: 43 Resp: 419

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.21

400

300

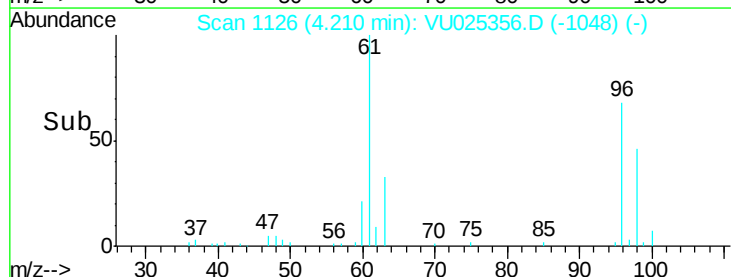
200

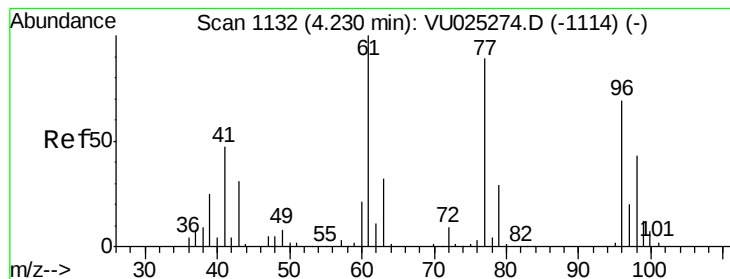
100

0

4.18 4.20 4.22

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.25 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

SS037MW266-180709

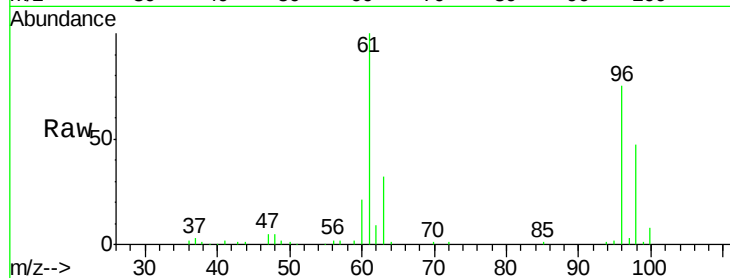
Tot Ion: 96 Resp: 51586

Ion Ratio Lower Upper

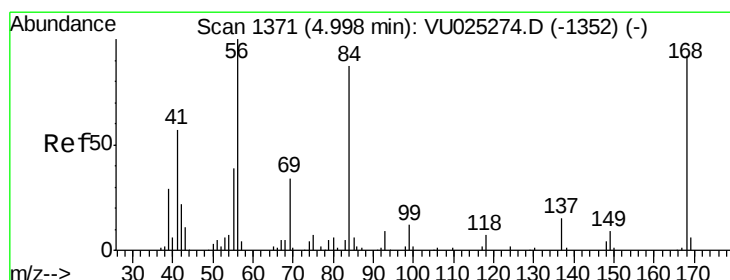
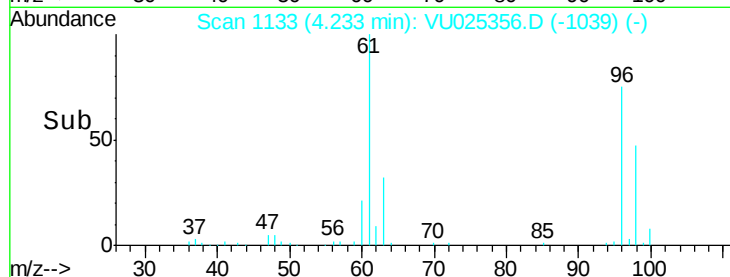
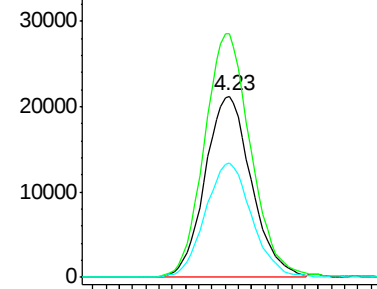
96 100

61 134.9 0.0 299.8

98 63.6 0.0 128.6



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



#31

Cyclohexane

Concen: 11.62 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

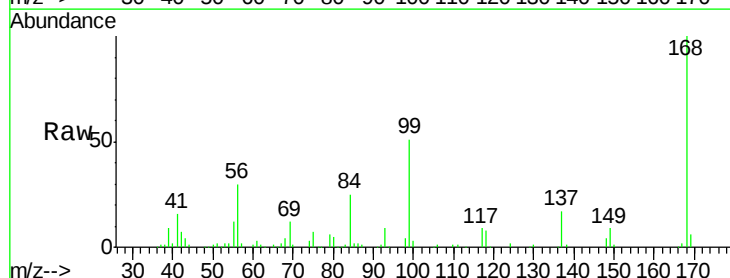
Tgt Ion: 56 Resp: 41189

Ion Ratio Lower Upper

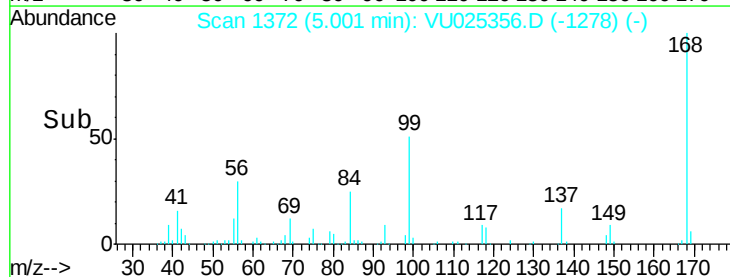
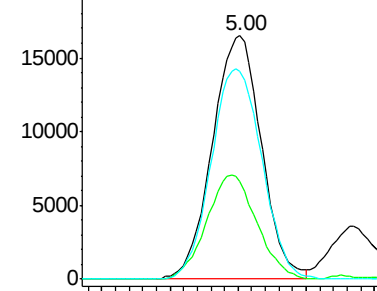
56 100

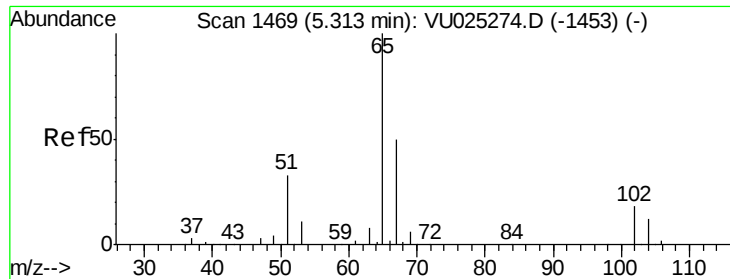
69 40.1 26.8 40.2

84 85.3 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

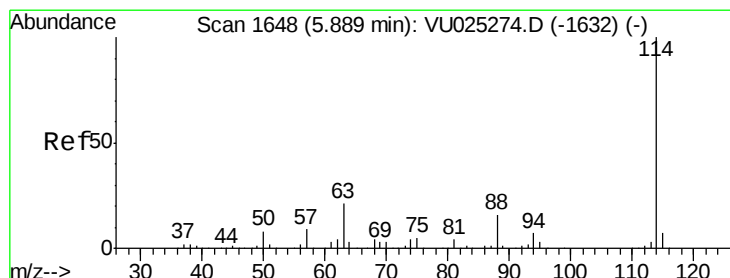
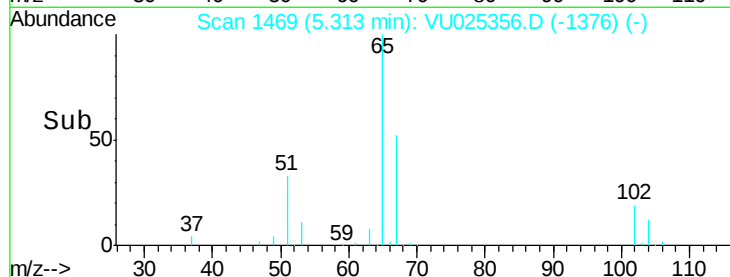
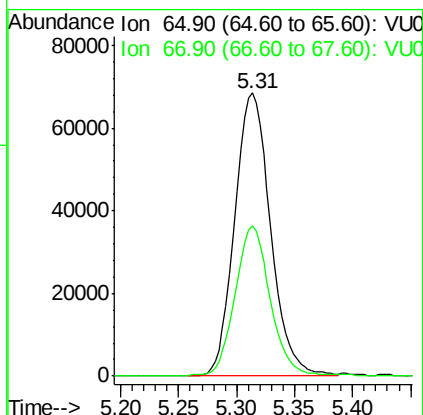
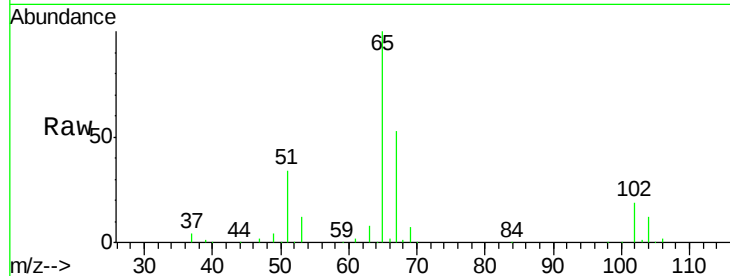




#33
 1,2-Dichloroethane-d4
 Concen: 49.86 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

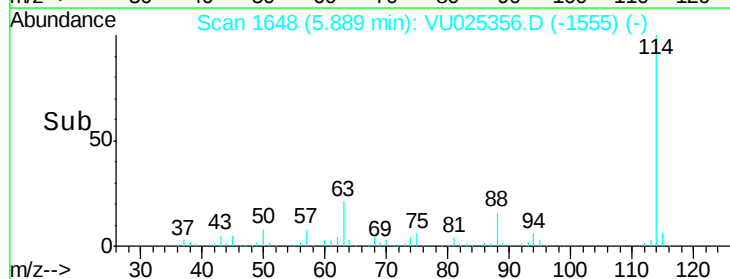
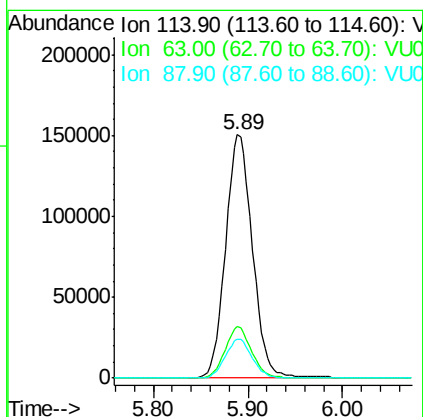
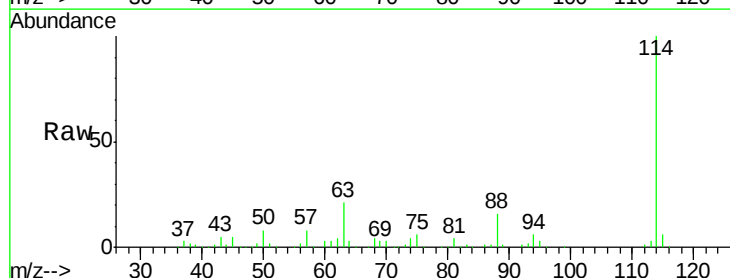
Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW266-180709

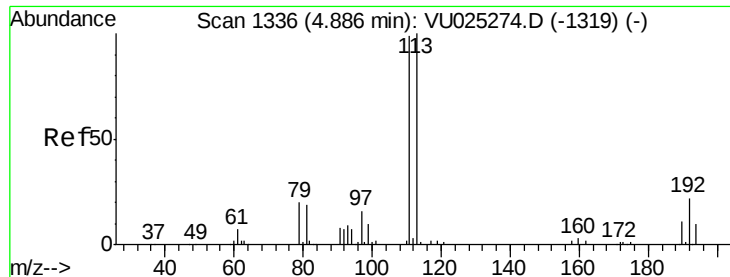
Tot Ion: 65 Resp: 147238
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

Tgt Ion: 114 Resp: 297546
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.6
 88 16.0 0.0 32.4

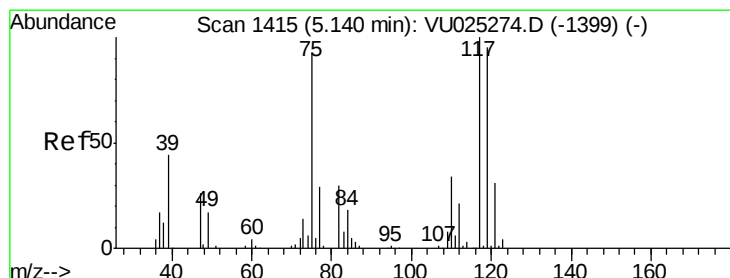
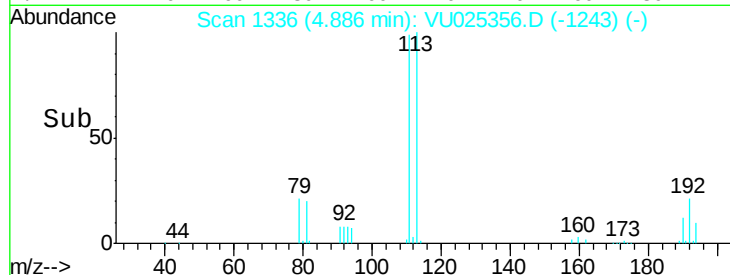
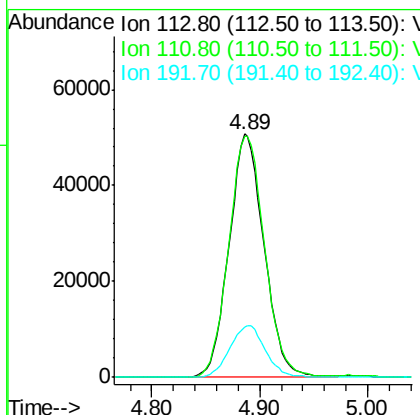
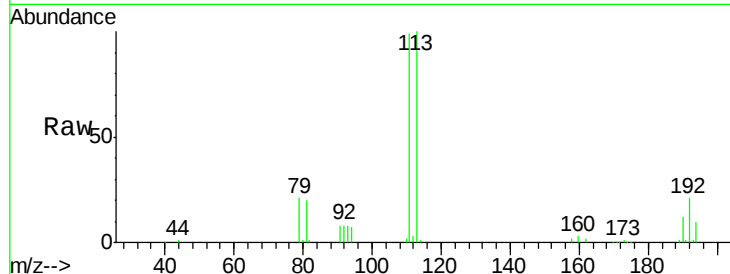




#35
 Dibromofluoromethane
 Concen: 45.74 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

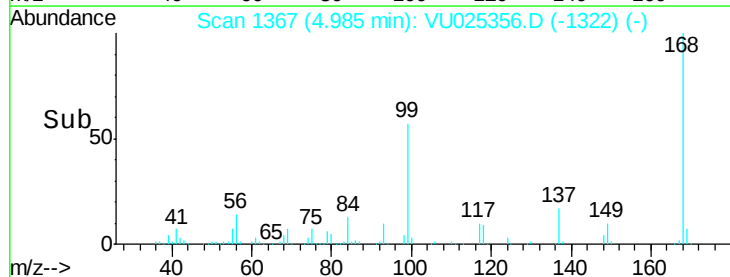
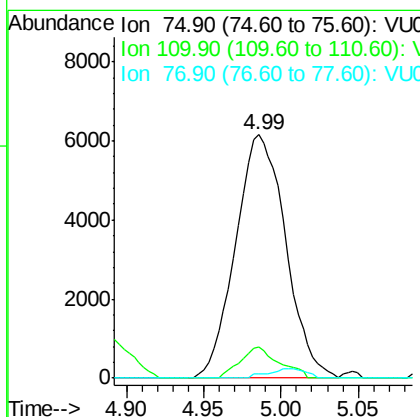
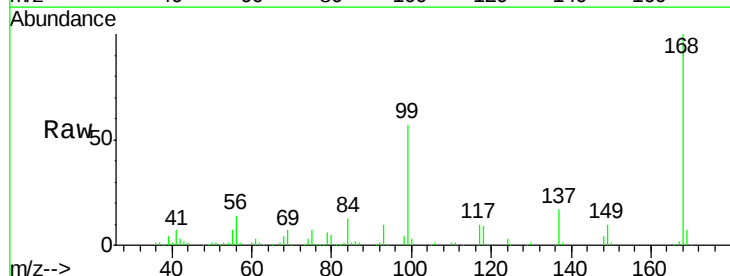
Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW266-180709

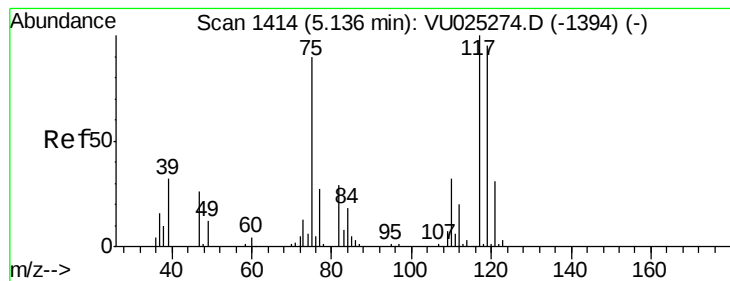
Tot Ion:113 Resp: 114820
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.7 122.5
 192 21.5 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.19 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

Tgt Ion: 75 Resp: 13870
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.6 52.9#
 77 2.9 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.12 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

SS037MW266-180709

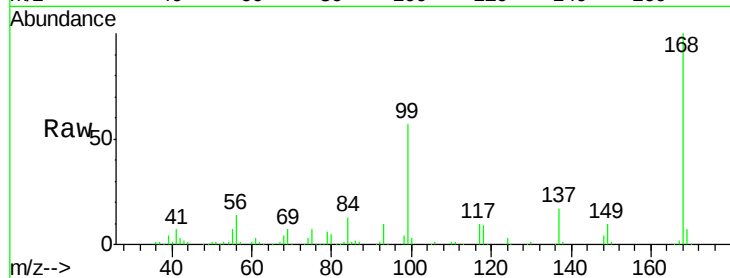
Tot Ion:117 Resp: 18228

Ion Ratio Lower Upper

117 100

119 3.8 75.7 113.5#

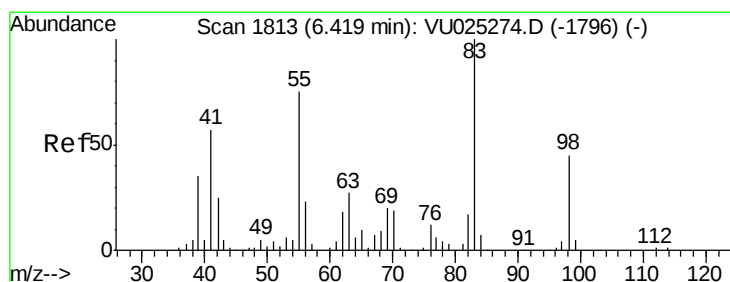
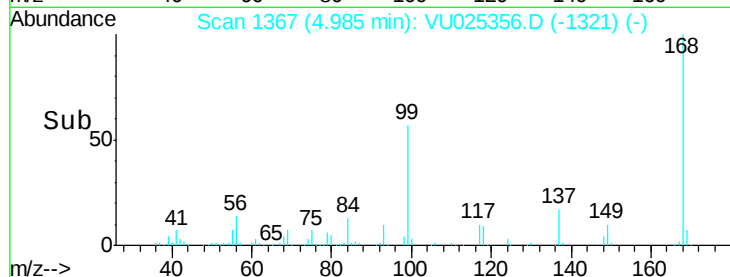
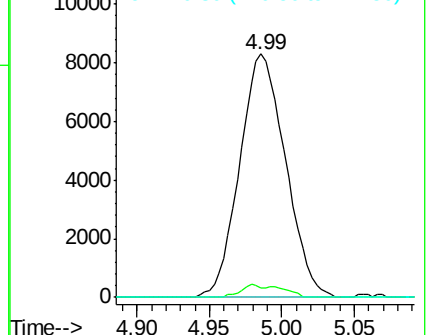
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 6.10 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

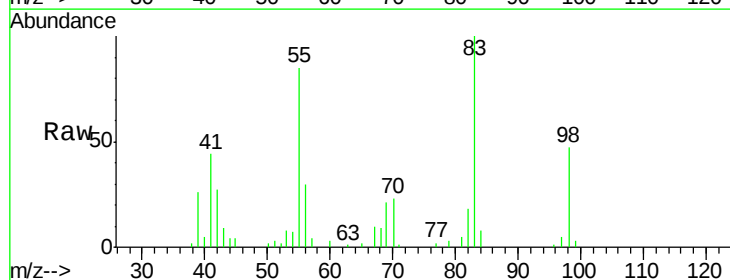
Tgt Ion: 83 Resp: 25170

Ion Ratio Lower Upper

83 100

55 83.4 60.0 90.0

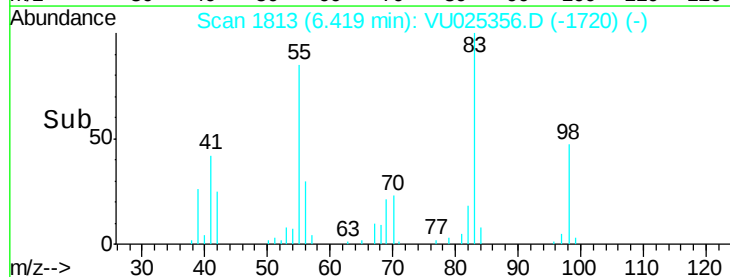
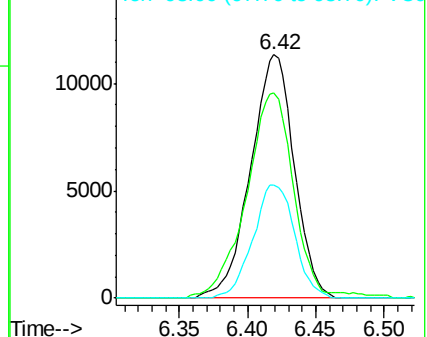
98 46.7 36.1 54.1

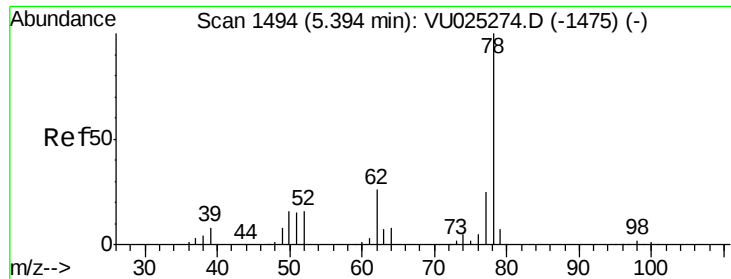


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 0.76 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

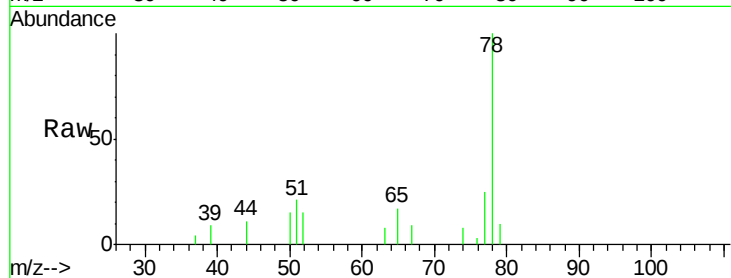
SS037MW266-180709

Tot Ion: 78 Resp: 7280

Ion Ratio Lower Upper

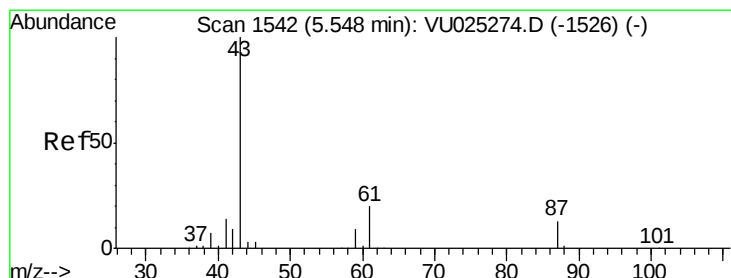
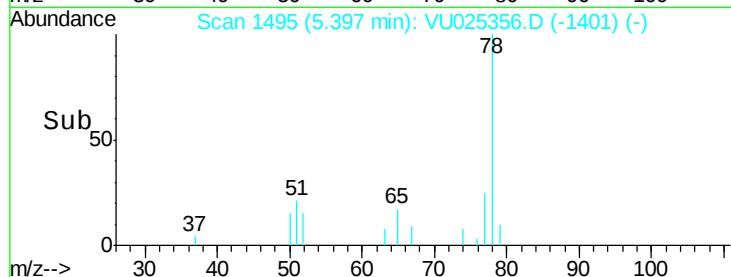
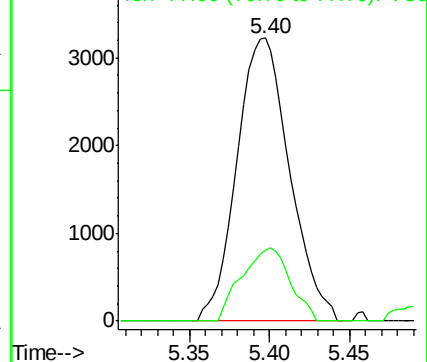
78 100

77 25.1 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#43

Isopropyl Acetate

Concen: 1.65 ug/l

RT: 5.54 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

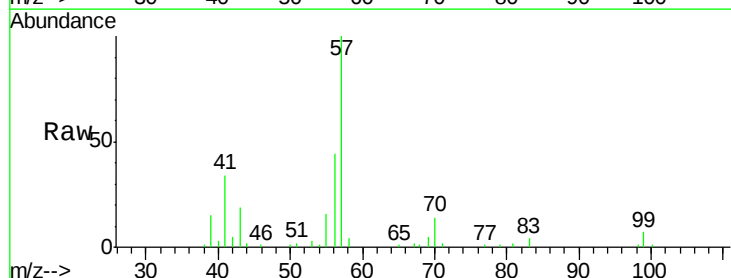
Tgt Ion: 43 Resp: 9722

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

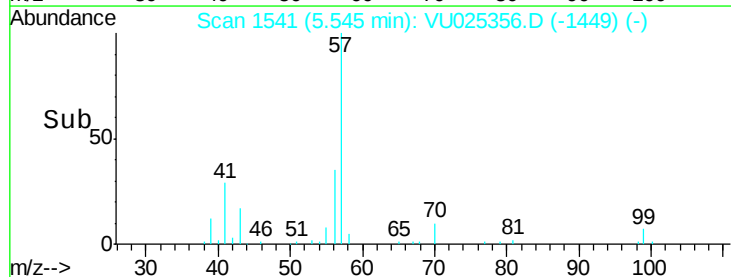
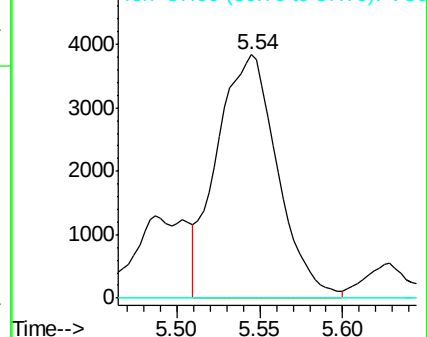
87 0.0 10.6 16.0#

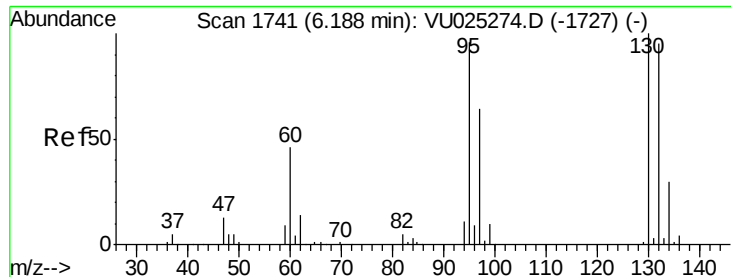


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

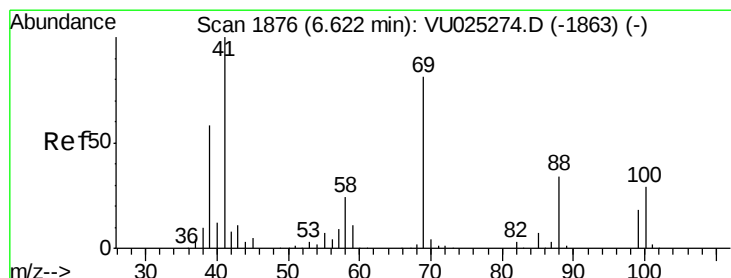
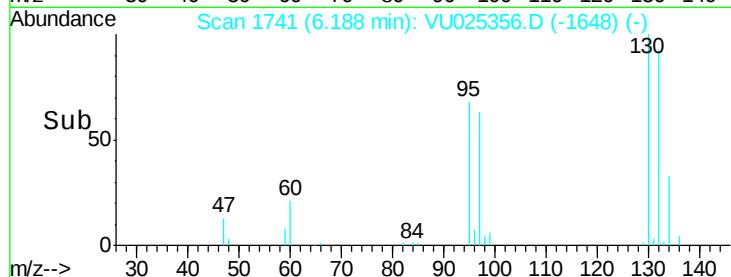
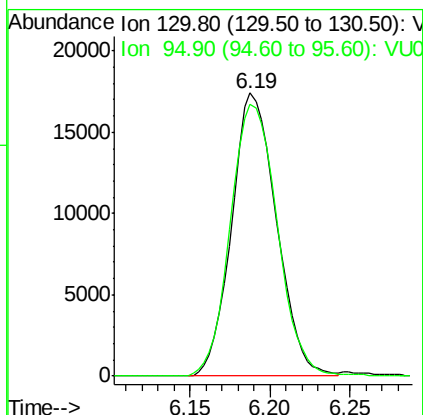
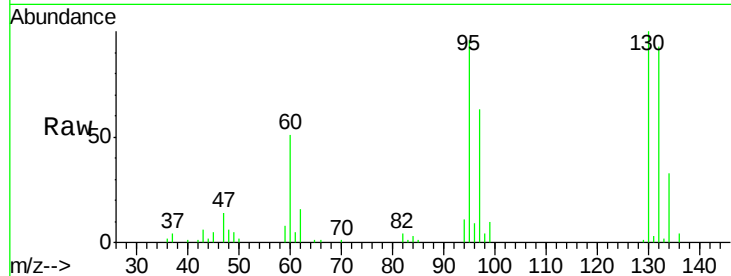




#44
 Trichloroethene
 Concen: 12.18 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

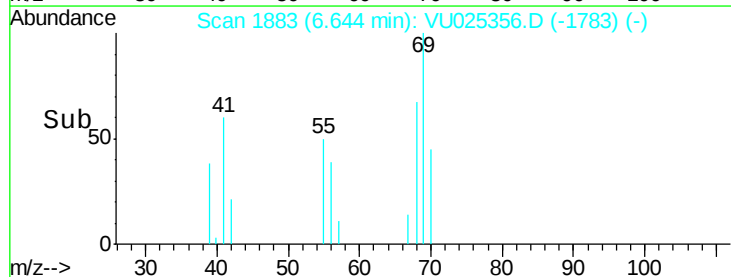
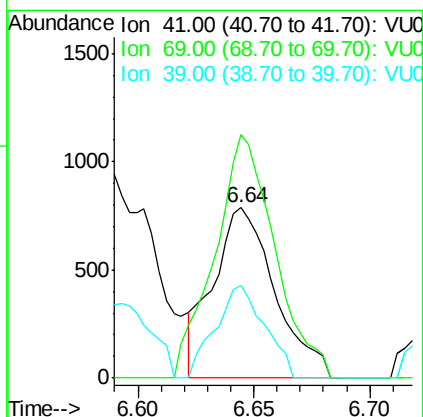
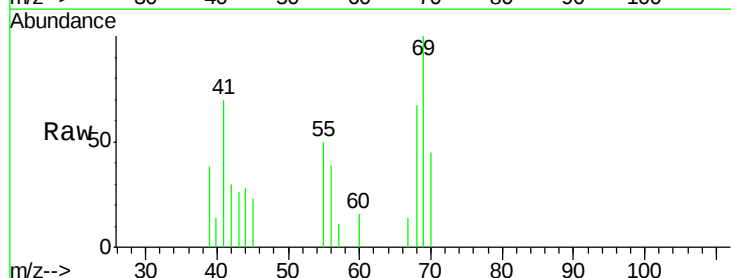
Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW266-180709

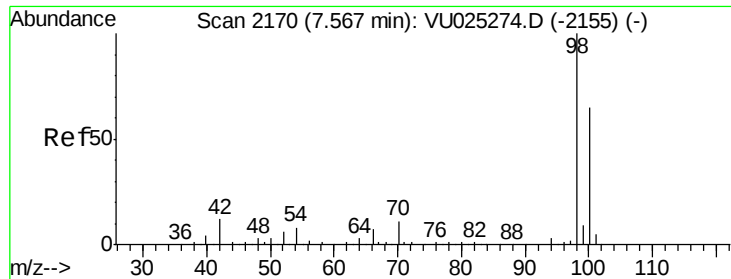
Tot Ion:130 Resp: 33345
 Ion Ratio Lower Upper
 130 100
 95 96.1 0.0 192.2



#48
 Methyl methacrylate
 Concen: 0.50 ug/l
 RT: 6.64 min Scan# 1883
 Delta R.T. 0.02 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

Tgt Ion: 41 Resp: 1464
 Ion Ratio Lower Upper
 41 100
 69 138.5 65.0 97.4#
 39 43.0 46.4 69.6#





#50

Toluene-d8

Concen: 48.76 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

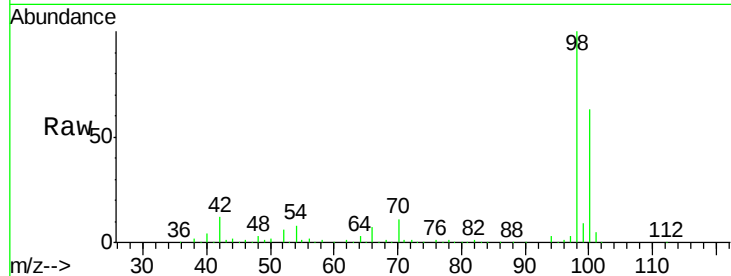
SS037MW266-180709

Tot Ion: 98 Resp: 419084

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025274.D (-2155) (-)

Ion 100.00 (99.70 to 100.70): VU025274.D (-2155) (-)

7.57

250000

200000

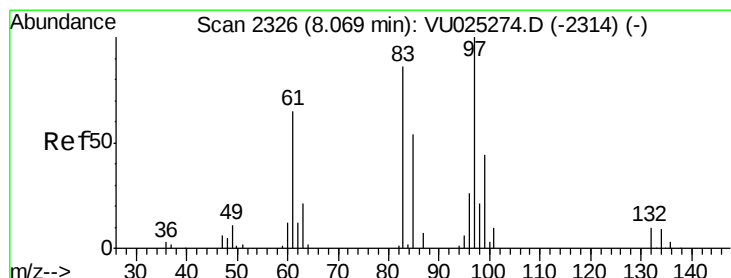
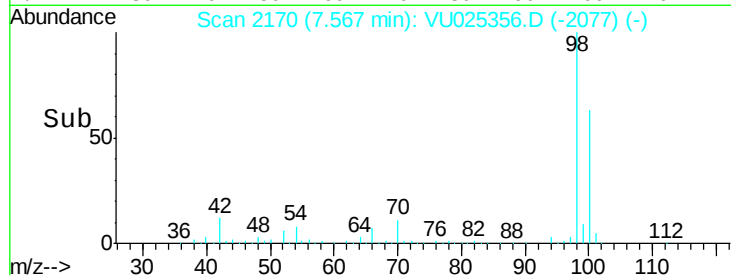
150000

100000

50000

0

Time--> 7.45 7.50 7.55 7.60 7.65



#55

1,1,2-Trichloroethane

Concen: 1.00 ug/l

RT: 8.05 min Scan# 2320

Delta R.T. -0.02 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Tgt Ion: 97 Resp: 2537

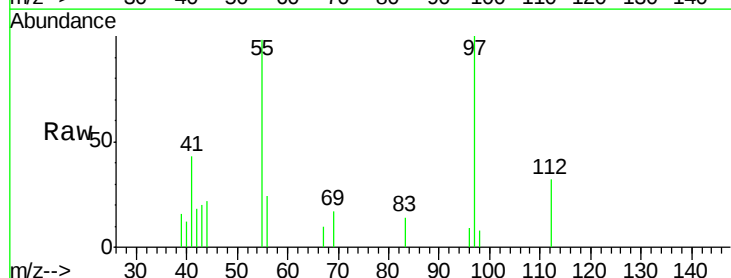
Ion Ratio Lower Upper

97 100

83 14.0 68.9 103.3#

85 0.0 44.4 66.6#

99 0.0 51.0 76.4#



Abundance Ion 96.90 (96.60 to 97.60): VU025274.D (-2314) (-)

Ion 82.90 (82.60 to 83.60): VU025274.D (-2314) (-)

Ion 84.90 (84.60 to 85.60): VU025274.D (-2314) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-2314) (-)

2000

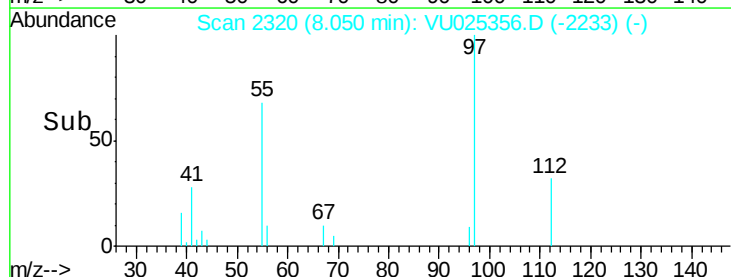
1500

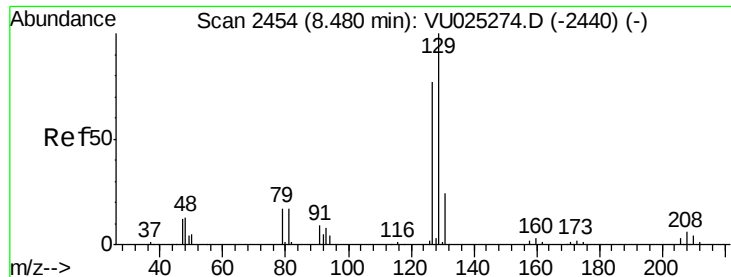
1000

500

0

Time--> 8.00 8.05 8.10

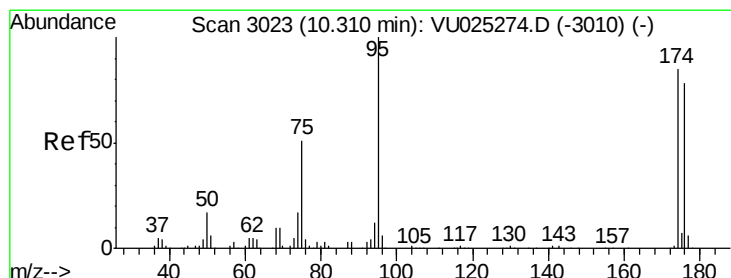
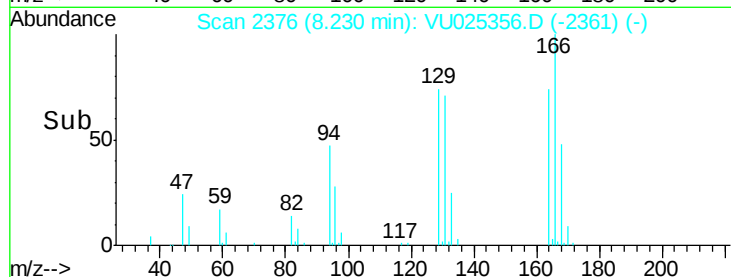
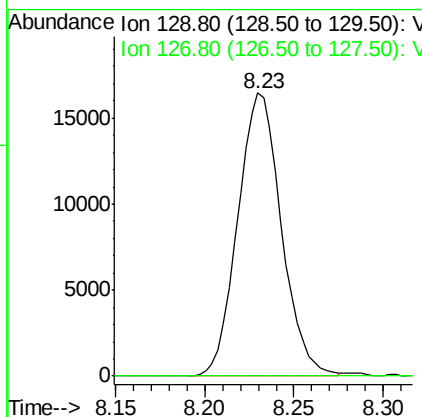
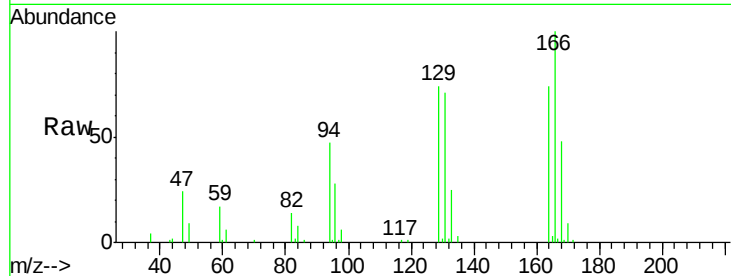




#60
 Dibromochloromethane
 Concen: 10.27 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.25 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

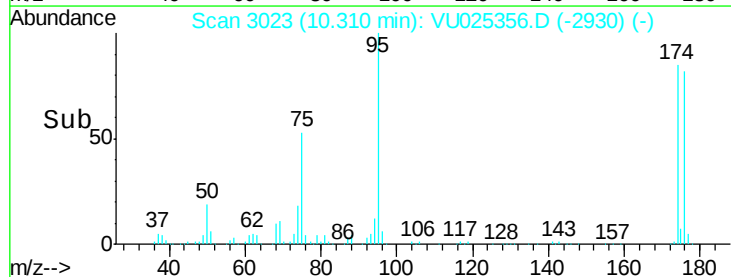
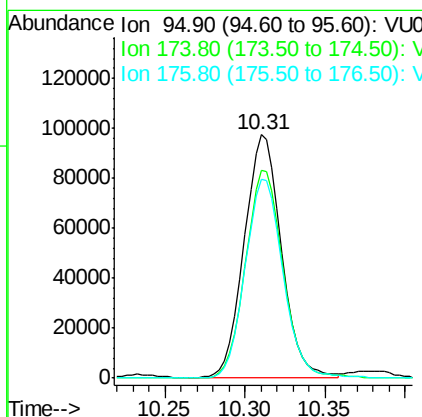
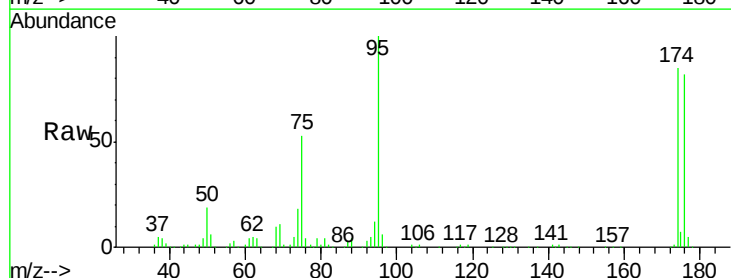
Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW266-180709

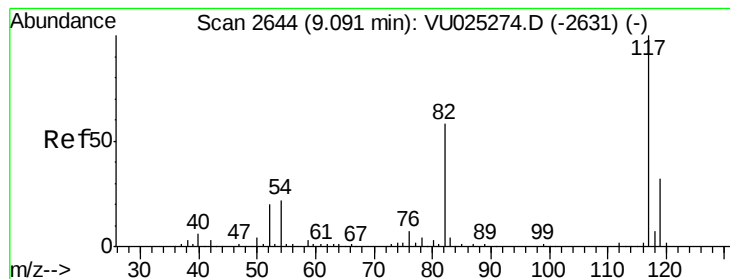
Tot Ion:129 Resp: 28008
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.8#



#62
 4-Bromofluorobenzene
 Concen: 44.83 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

Tgt Ion: 95 Resp: 155144
 Ion Ratio Lower Upper
 95 100
 174 86.4 0.0 172.2
 176 83.5 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: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

SS037MW266-180709

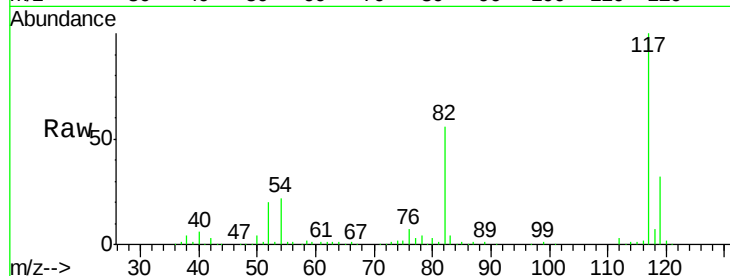
Tot Ion:117 Resp: 270385

Ion Ratio Lower Upper

117 100

82 56.0 46.0 69.0

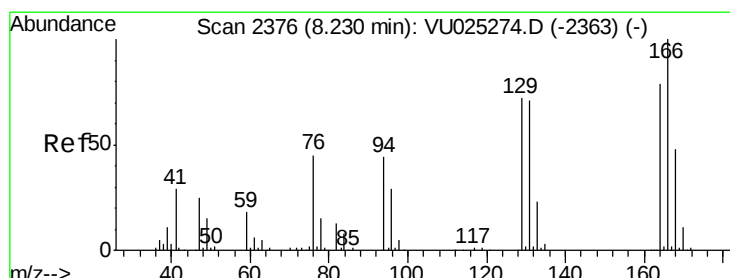
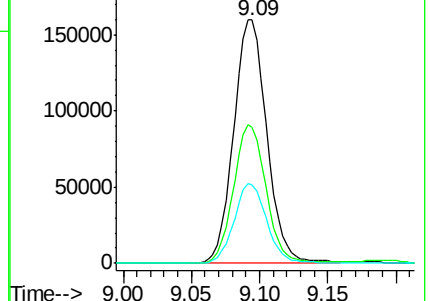
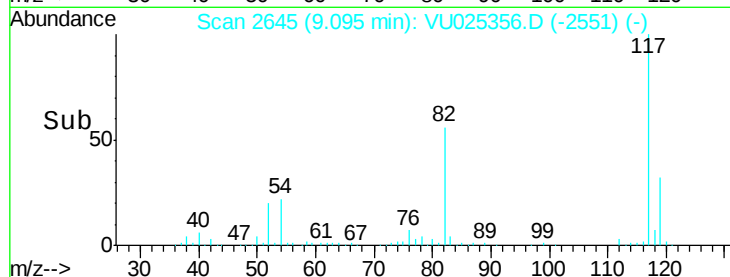
119 32.5 26.0 39.0



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



#64

Tetrachloroethene

Concen: 12.01 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Tgt Ion:164 Resp: 29589

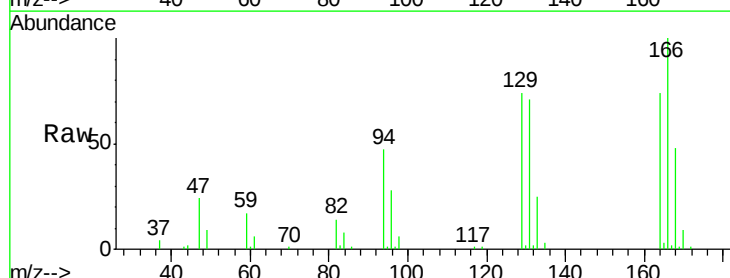
Ion Ratio Lower Upper

164 100

166 134.5 101.1 151.7

129 99.1 73.0 109.6

131 95.0 72.1 108.1

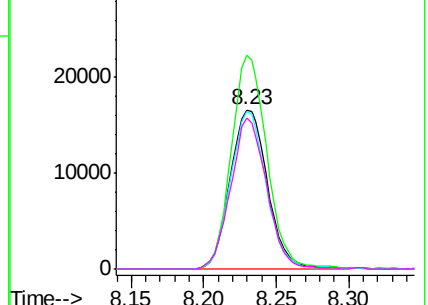
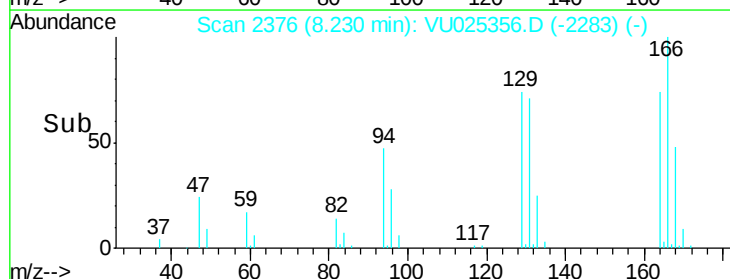


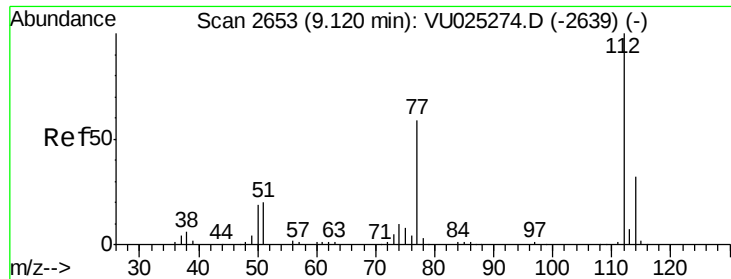
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

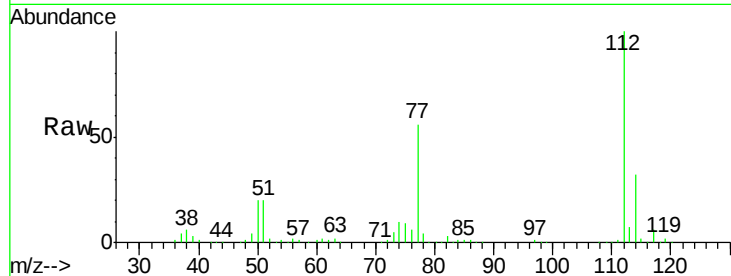




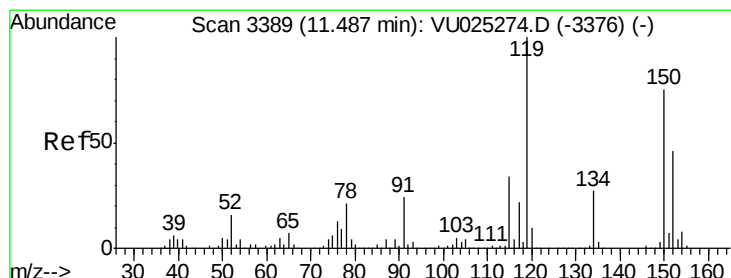
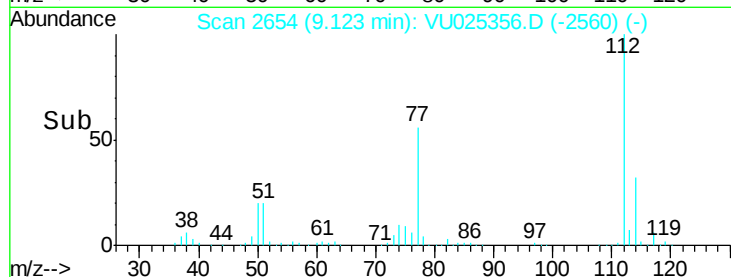
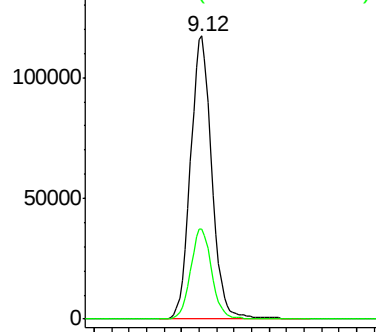
#65
Chlorobenzene
Concen: 29.32 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025356.D
Acq: 12 Jul 2018 21:59

Instrument :
MSVOA_U
ClientSampleId :
SS037MW266-180709

Tot Ion:112 Resp: 198060
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8

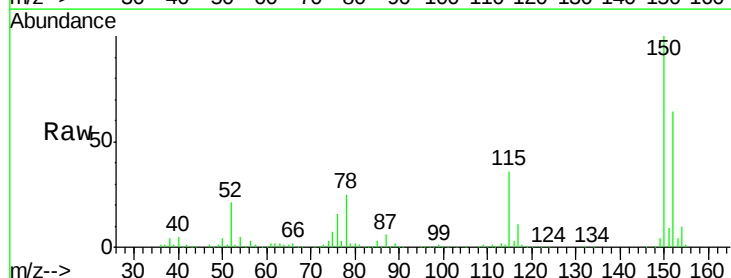


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

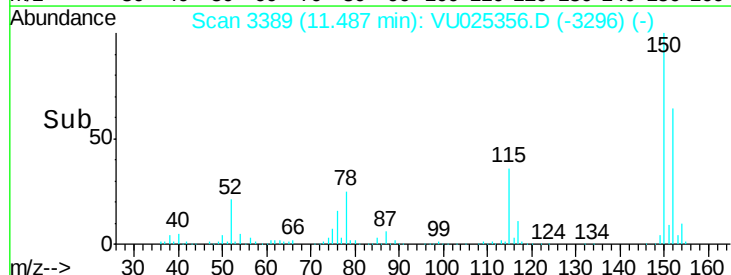
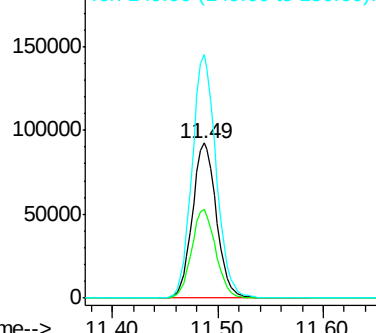


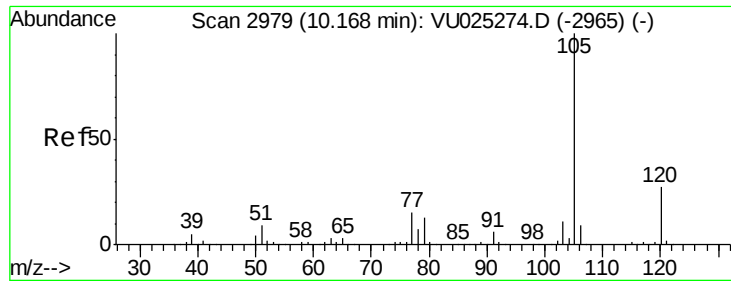
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025356.D
Acq: 12 Jul 2018 21:59

Tgt Ion:152 Resp: 145541
Ion Ratio Lower Upper
152 100
115 57.2 40.1 120.3
150 157.0 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





#73

Isopropylbenzene

Concen: 3.26 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

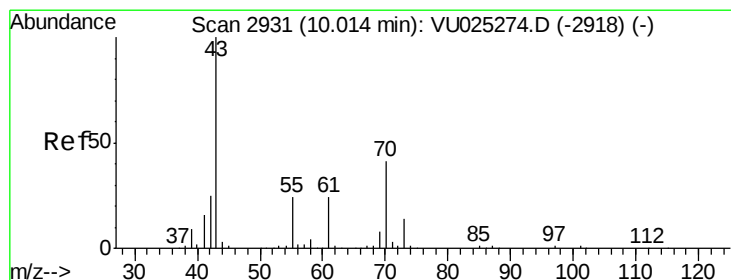
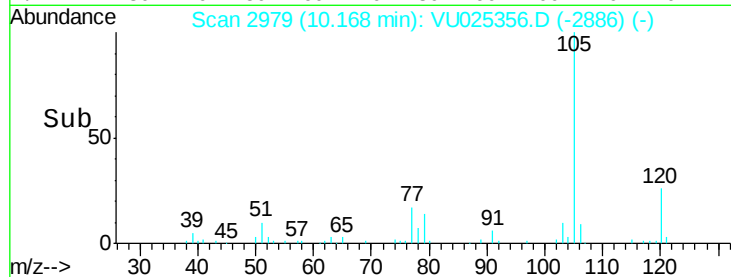
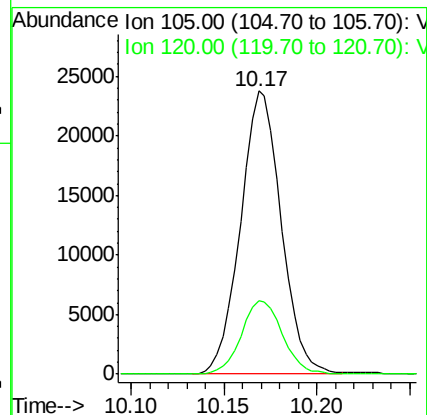
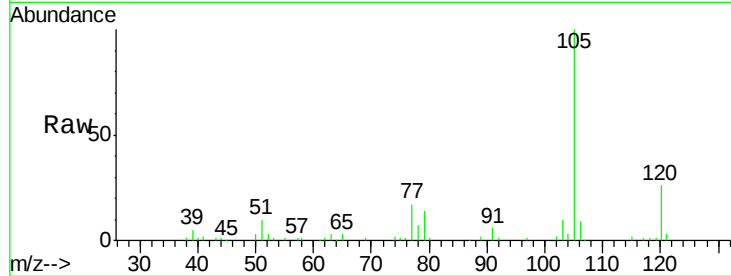
SS037MW266-180709

Tot Ion:105 Resp: 36255

Ion Ratio Lower Upper

105 100

120 26.2 13.5 40.5



#74

N-ethyl acetate

Concen: 1.29 ug/l

RT: 10.02 min Scan# 2934

Delta R.T. 0.01 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Tgt Ion: 43 Resp: 114

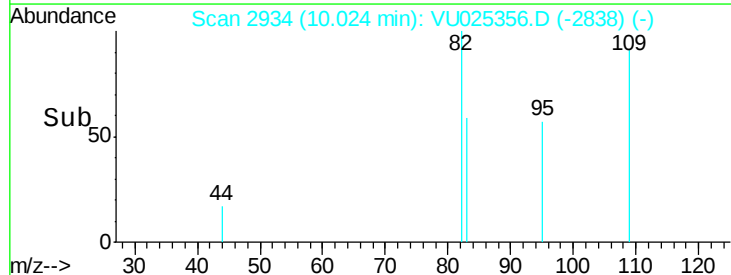
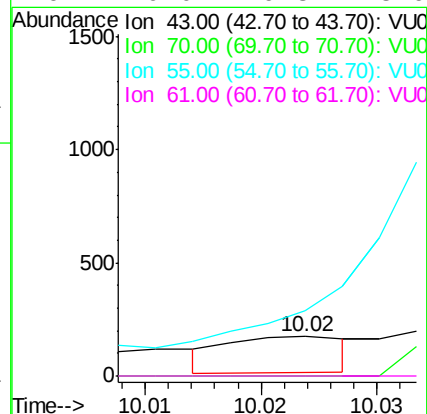
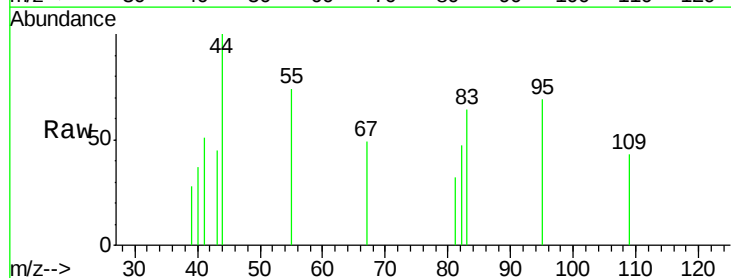
Ion Ratio Lower Upper

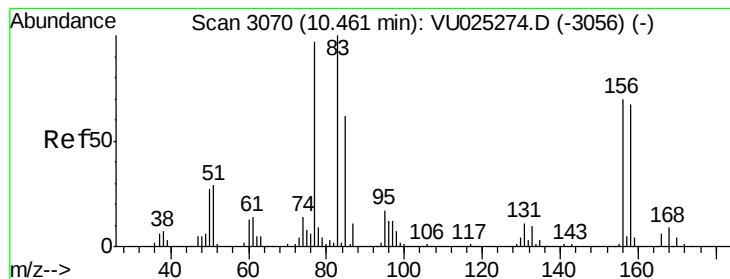
43 100

70 0.0 33.4 50.2#

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.27 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.04 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

SS037MW266-180709

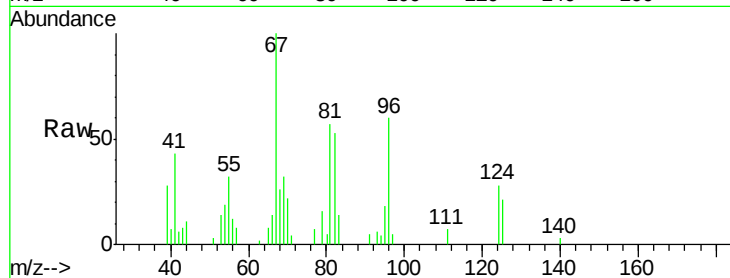
Tot Ion: 83 Resp: 971

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 0.0 31.6 94.8#

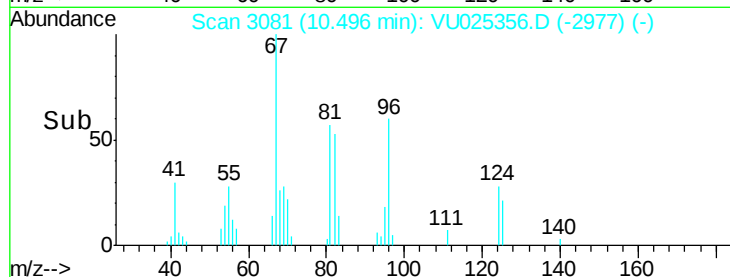


Abundance Ion 82.90 (82.60 to 83.60): VU025274.D (-3056) (-)

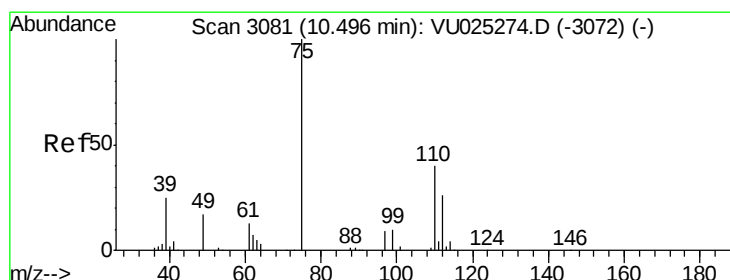
Ion 130.80 (130.50 to 131.50): VU025274.D (-3056) (-)

Ion 84.90 (84.60 to 85.60): VU025274.D (-3056) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 27.84 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025356.D

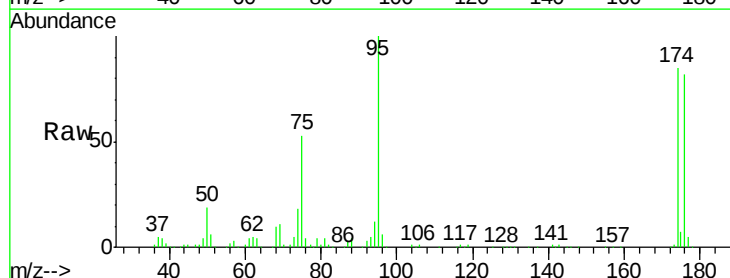
Acq: 12 Jul 2018 21:59

Tgt Ion: 75 Resp: 82436

Ion Ratio Lower Upper

75 100

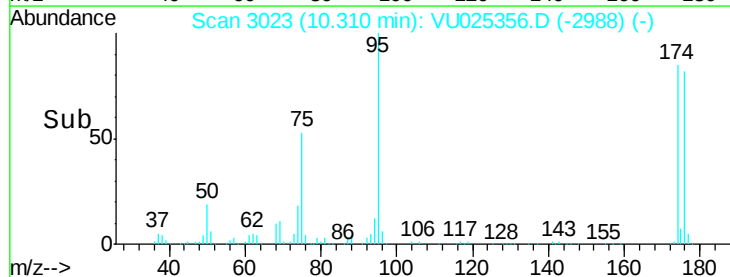
77 1.2 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU025274.D (-3072) (-)

Ion 77.00 (76.70 to 77.70): VU025274.D (-3072) (-)

Time-->



Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

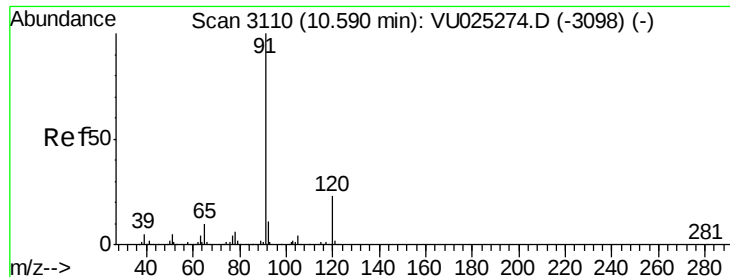
Time-->

Time-->

Time-->

Time-->

Time-->



#78

n-propylbenzene

Concen: 4.43 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

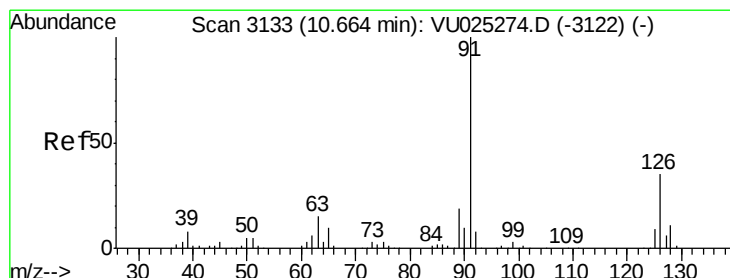
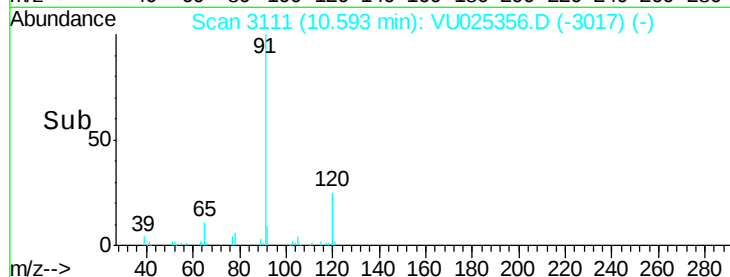
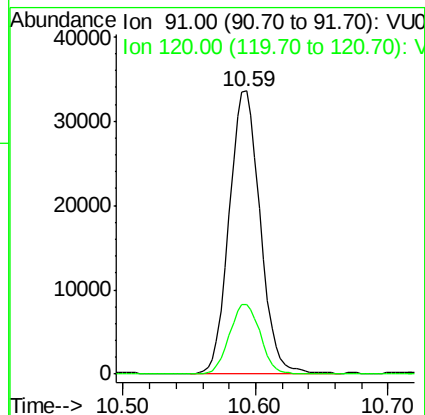
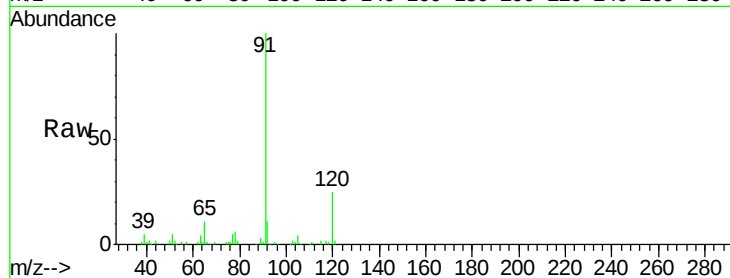
SS037MW266-180709

Tot Ion: 91 Resp: 54724

Ion Ratio Lower Upper

91 100

120 24.4 11.8 35.3



#79

2-Chlorotoluene

Concen: 7.85 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. -0.07 min

Lab File: VU025356.D

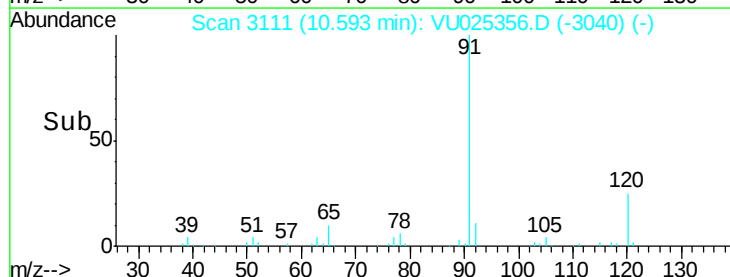
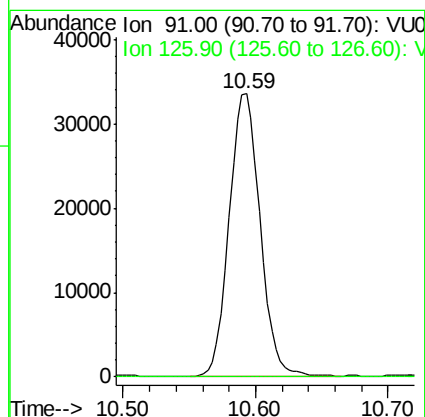
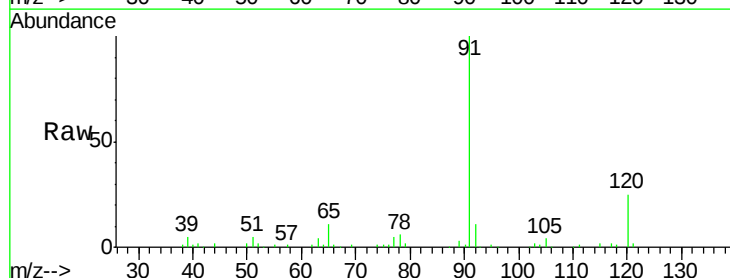
Acq: 12 Jul 2018 21:59

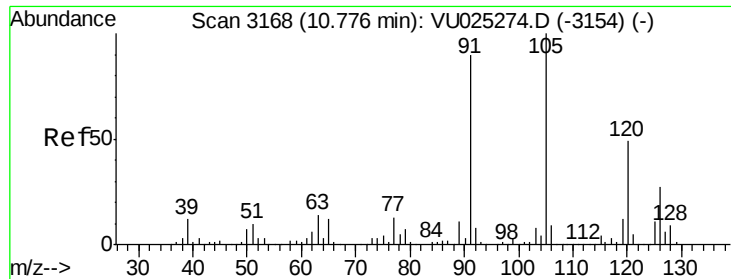
Tgt Ion: 91 Resp: 54724

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.6#

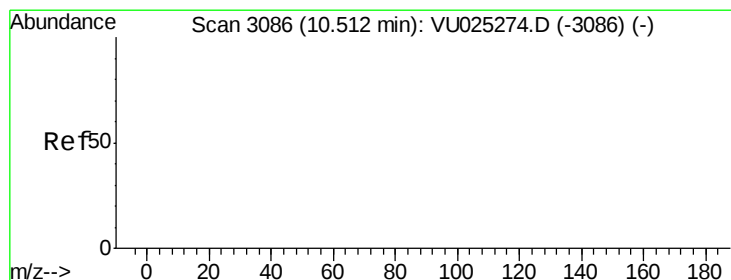
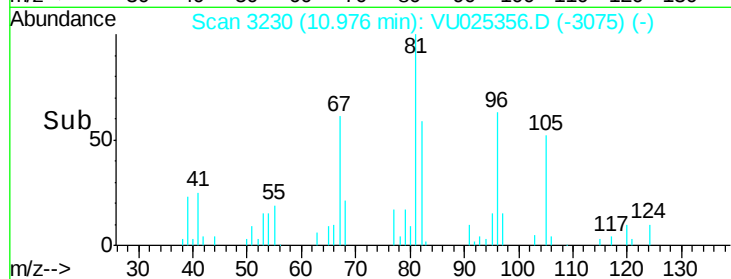
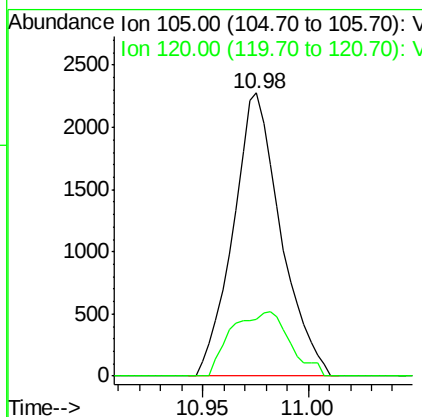
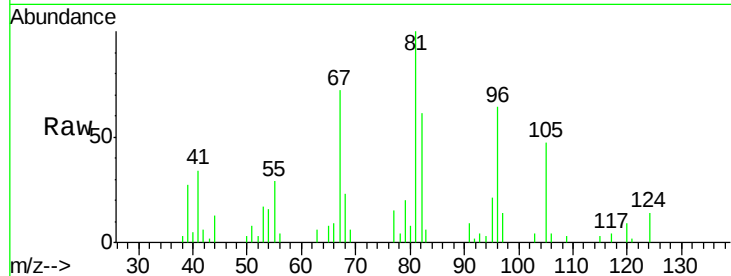




#80
 1,3,5-Trimethylbenzene
 Concen: 0.38 ug/l
 RT: 10.98 min Scan# 3230
 Delta R.T. 0.20 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

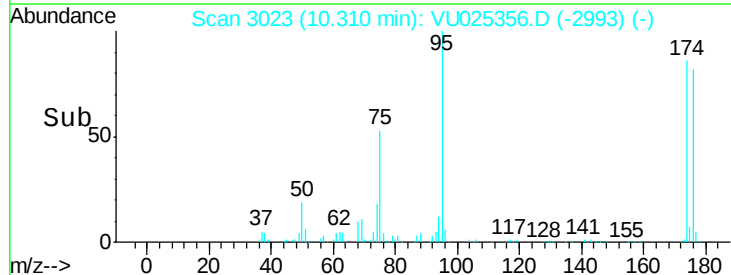
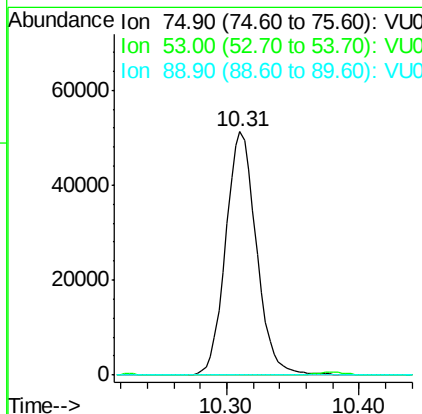
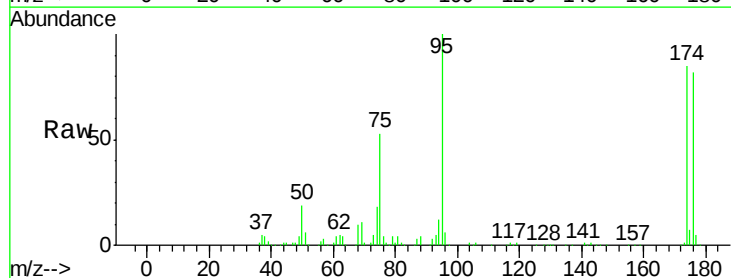
Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW266-180709

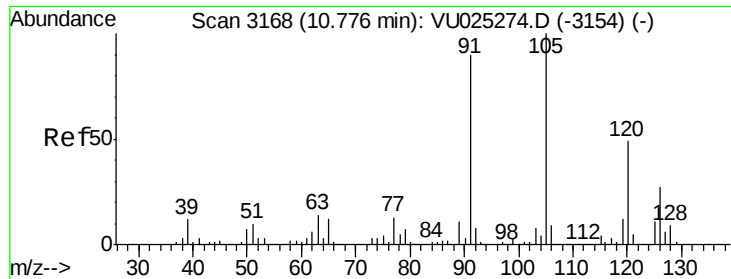
Tot Ion:105 Resp: 3573
 Ion Ratio Lower Upper
 105 100
 120 27.9 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.10 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

Tgt Ion: 75 Resp: 82436
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 6.26 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. -0.18 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

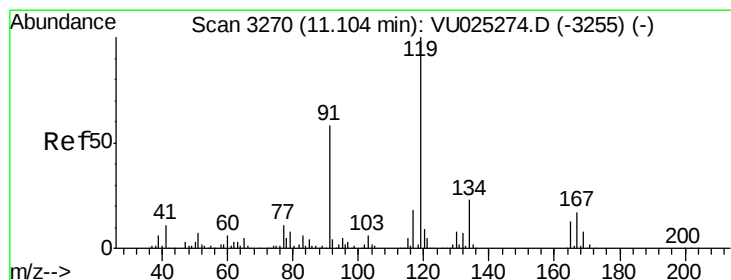
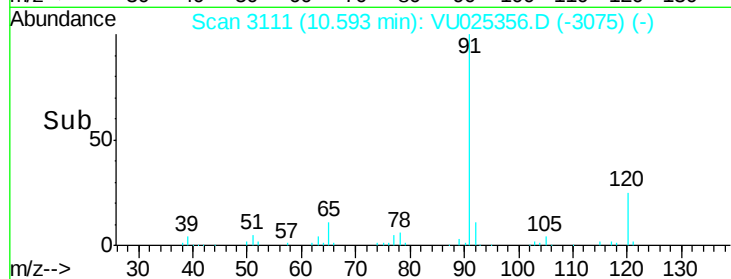
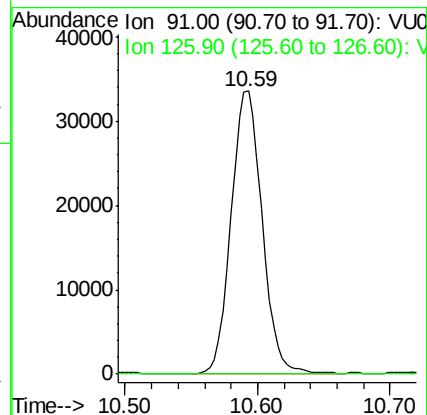
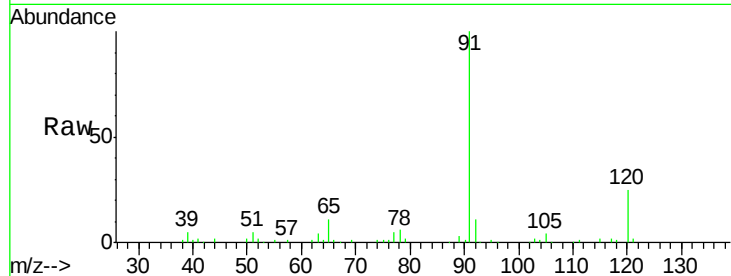
SS037MW266-180709

Tot Ion: 91 Resp: 54724

Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.9#



#83

tert-Butylbenzene

Concen: 1.26 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

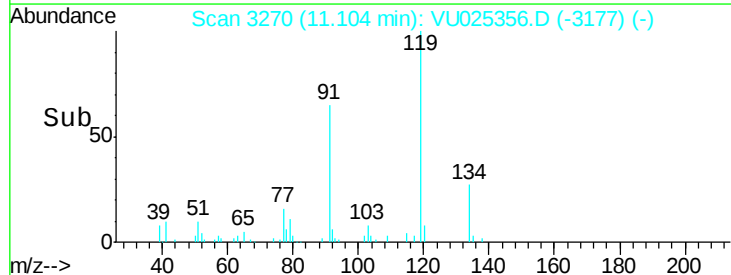
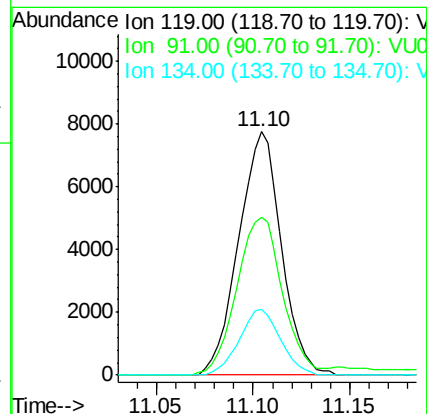
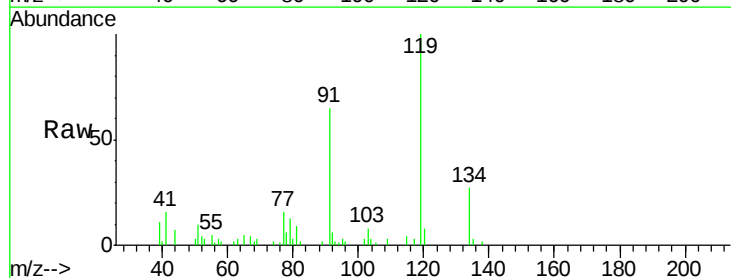
Tgt Ion: 119 Resp: 11894

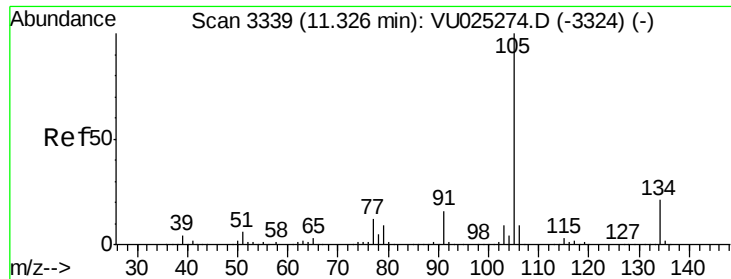
Ion Ratio Lower Upper

119 100

91 69.7 29.7 89.1

134 25.9 11.5 34.5





#85

sec-Butylbenzene

Concen: 2.28 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

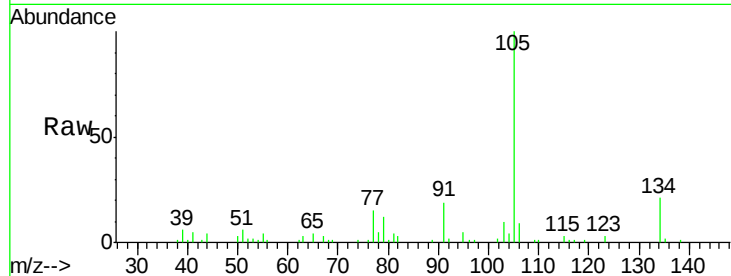
SS037MW266-180709

Tot Ion:105 Resp: 25339

Ion Ratio Lower Upper

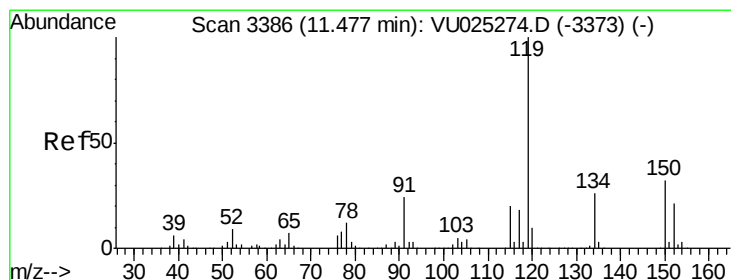
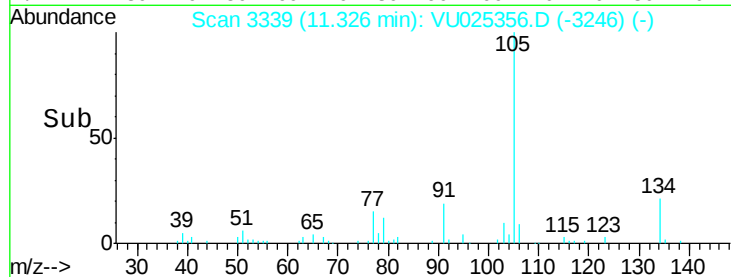
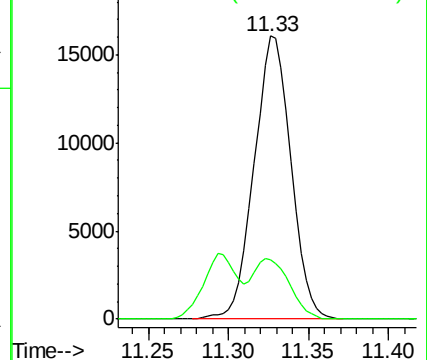
105 100

134 21.5 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 6.05 ug/l

RT: 11.69 min Scan# 3453

Delta R.T. 0.22 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

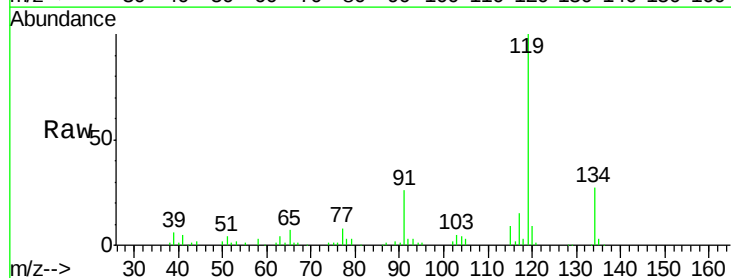
Tgt Ion:119 Resp: 59595

Ion Ratio Lower Upper

119 100

134 27.9 13.2 39.5

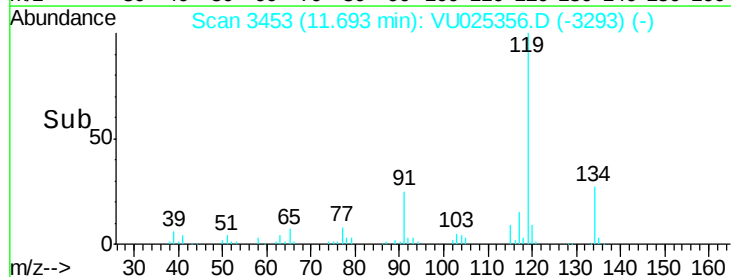
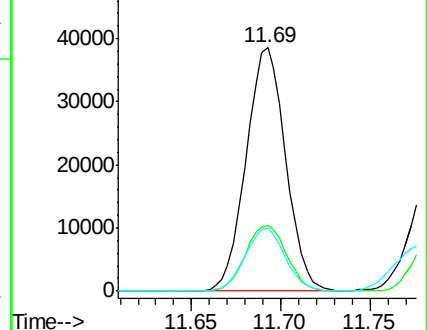
91 26.1 12.0 36.1

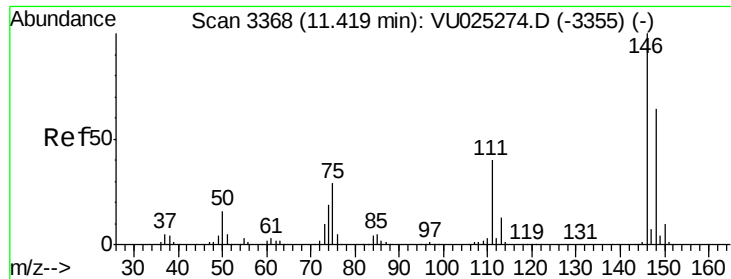


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 1.94 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.09 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

SS037MW266-180709

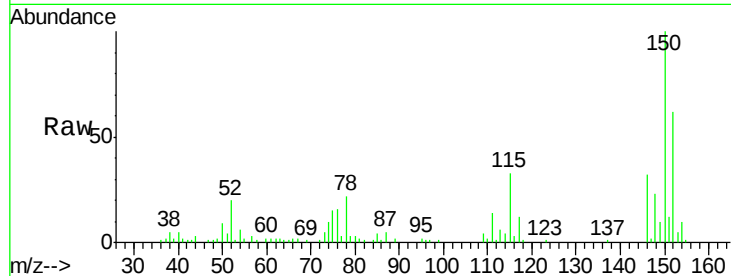
Tot Ion:146 Resp: 10094

Ion Ratio Lower Upper

146 100

111 58.6 19.7 59.1

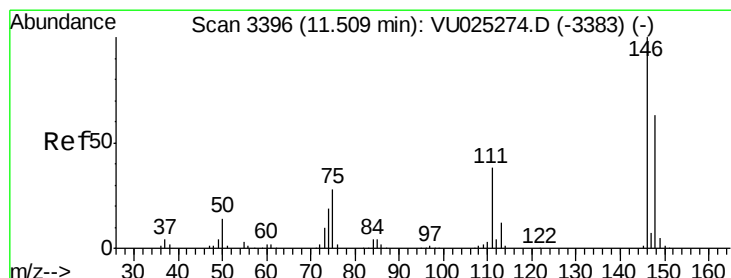
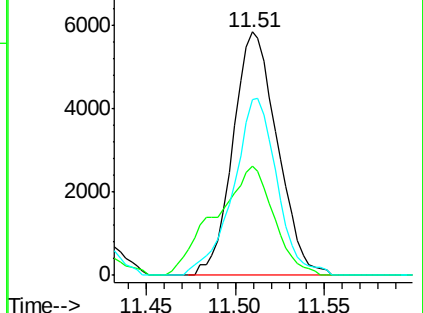
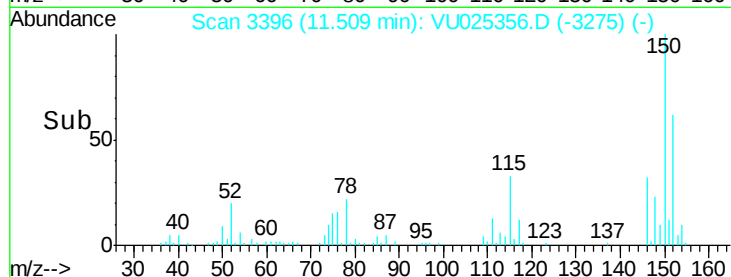
148 71.8 32.1 96.3



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: 3.42 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025356.D

Acq: 12 Jul 2018 21:59

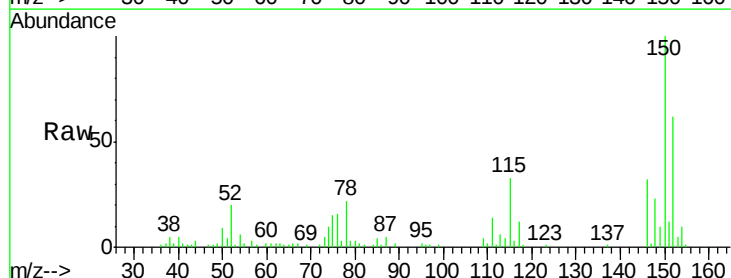
Tgt Ion:146 Resp: 10094

Ion Ratio Lower Upper

146 100

111 58.6 19.4 58.1#

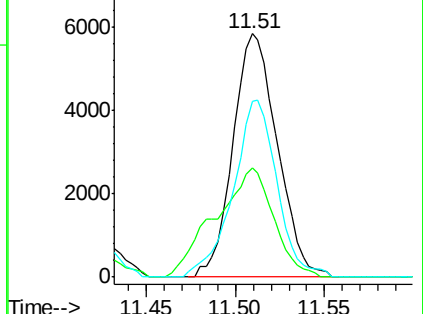
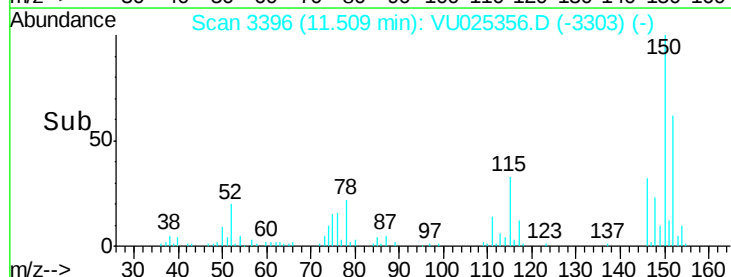
148 71.8 31.7 95.1

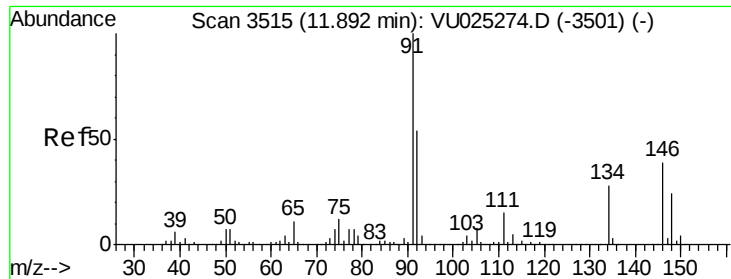


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

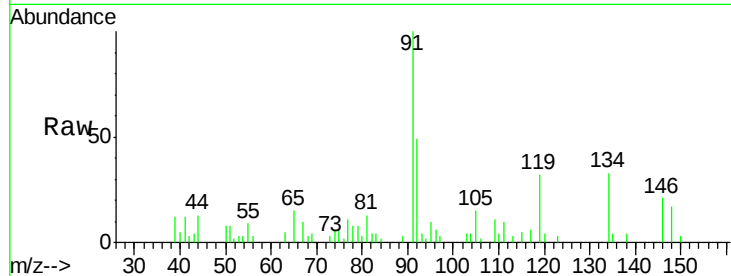




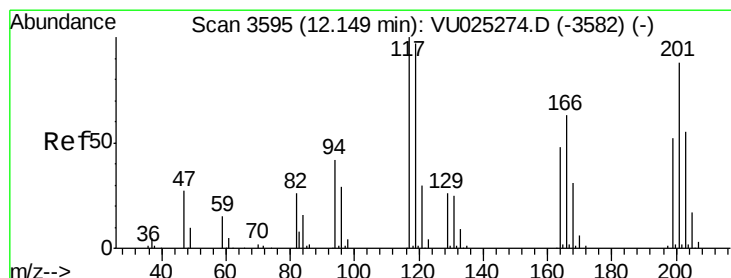
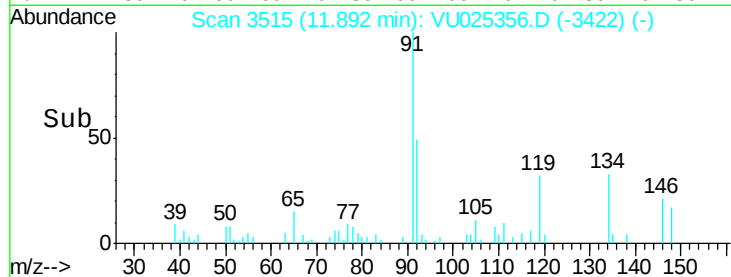
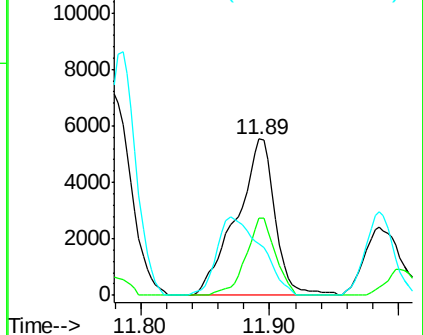
#89
n-Butylbenzene
Concen: 1.43 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025356.D
Acq: 12 Jul 2018 21:59

Instrument :
MSVOA_U
ClientSampleId :
SS037MW266-180709

Tot Ion: 91 Resp: 11552
Ion Ratio Lower Upper
91 100
92 37.5 26.5 79.5
134 0.0 13.6 40.7#

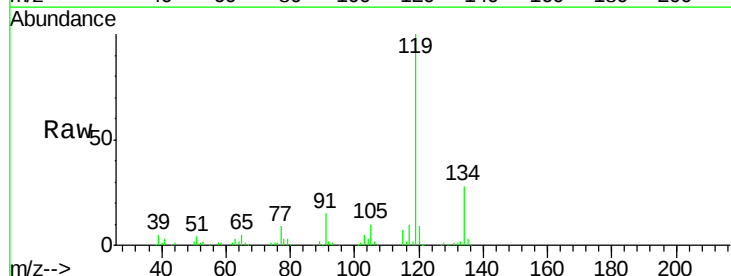


Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

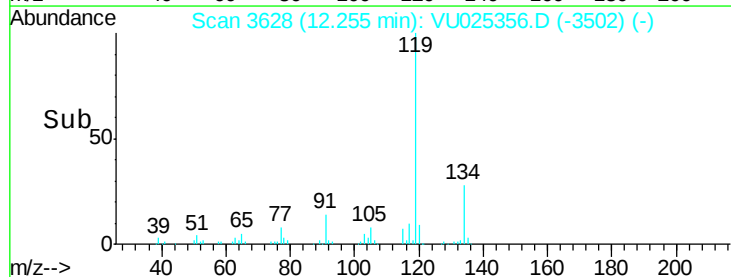
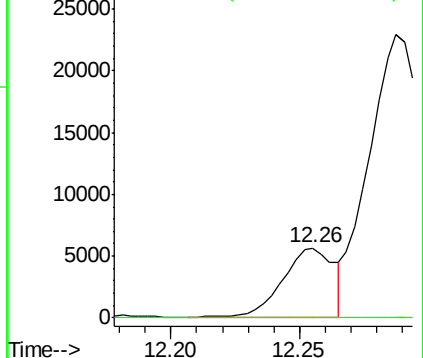


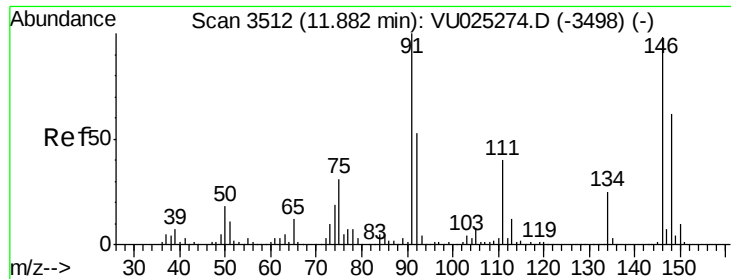
#90
Hexachloroethane
Concen: 4.77 ug/l
RT: 12.26 min Scan# 3628
Delta R.T. 0.11 min
Lab File: VU025356.D
Acq: 12 Jul 2018 21:59

Tgt Ion: 117 Resp: 7955
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

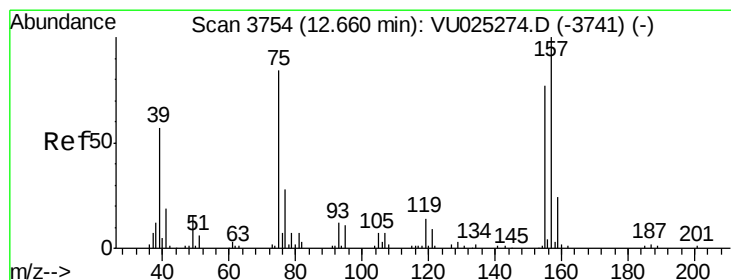
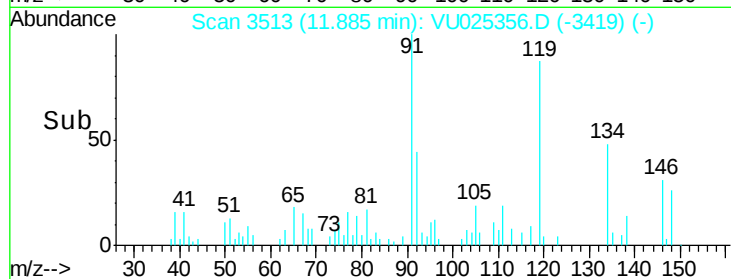
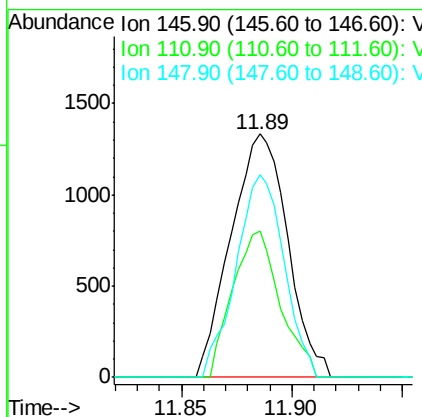
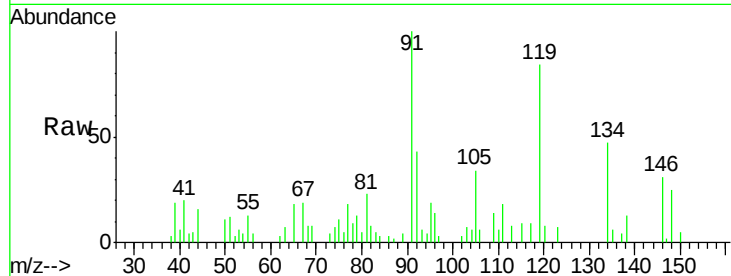




#91
 1,2-Dichlorobenzene
 Concen: 0.45 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

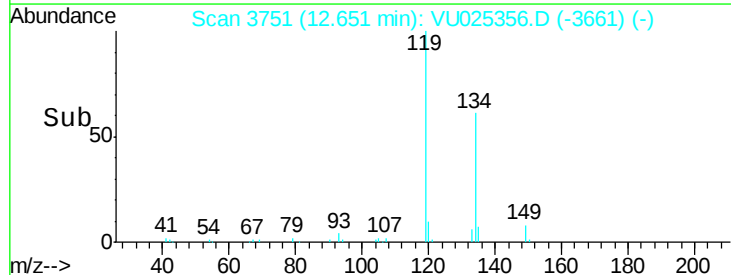
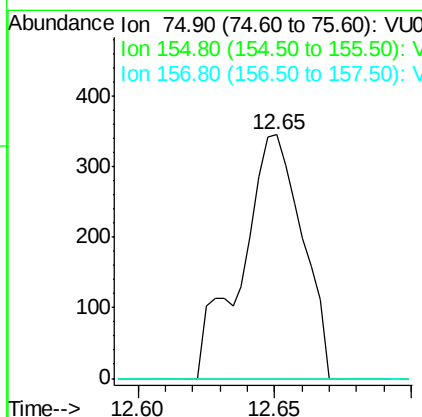
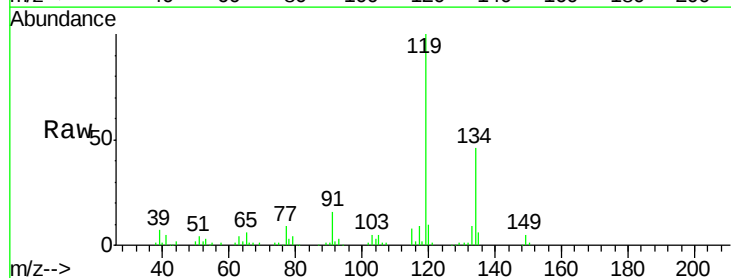
Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW266-180709

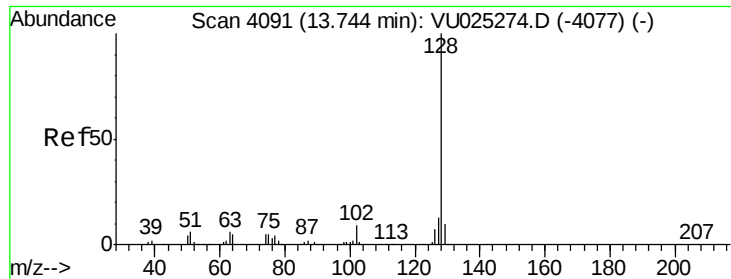
Tot Ion:146 Resp: 2378
 Ion Ratio Lower Upper
 146 100
 111 50.5 20.6 61.8
 148 70.6 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.60 ug/l
 RT: 12.65 min Scan# 3751
 Delta R.T. -0.01 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

Tgt Ion: 75 Resp: 530
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.5 133.3#
 157 0.0 57.0 170.8#





#95
 Naphthalene
 Concen: 2.66 ug/l
 RT: 13.75 min Scan# 4094
 Delta R.T. 0.01 min
 Lab File: VU025356.D
 Acq: 12 Jul 2018 21:59

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW266-180709

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	28.4	8.3	12.5

