

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071018\
 Data File : VU025299.D
 Acq On : 10 Jul 2018 19:20
 Operator : MD/SY
 Sample : J3898-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW103-180705

Quant Time: Jul 11 02:05:18 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	206239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	312126	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153711	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	153345	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
35) Dibromofluoromethane	4.89	113	121905	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
50) Toluene-d8	7.57	98	445075	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	10.31	95	165953	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	747	0.91	ug/l	92
4) Vinyl Chloride	1.40	62	54223	23.12	ug/l	100
5) Bromomethane	1.64	94	457	Below Cal	#	76
6) Chloroethane	1.40	64	12010	8.30	ug/l	# 43
10) Methyl Iodide	2.42	142	204	7.77	ug/l	# 39
11) Tert butyl alcohol	2.82	59	3869	5.54	ug/l	96
14) Allyl chloride	2.71	41	28254	7.45	ug/l	# 57
16) Acetone	2.31	43	4485	7.56	ug/l	# 63
17) Carbon Disulfide	2.49	76	1551	2.18	ug/l	# 74
18) Methyl Acetate	2.71	43	64685	19.72	ug/l	# 52
19) Methyl tert-butyl Ether	3.00	73	3456	0.43	ug/l	# 1
20) Methylene Chloride	2.71	84	249	0.79	ug/l	# 1
25) 2-Butanone	4.23	43	2949	1.33	ug/l	# 49
27) cis-1,2-Dichloroethene	4.23	96	21968	7.95	ug/l	91
31) Cyclohexane	5.00	56	5596	2.11	ug/l	# 44
36) 1,1-Dichloropropene	4.99	75	14780	4.26	ug/l	# 50
37) Ethyl Acetate	4.23	43	2949	0.76	ug/l	# 1
38) Carbon Tetrachloride	4.99	117	19539	5.23	ug/l	# 15
39) Methylcyclohexane	6.40	83	9967	2.30	ug/l	# 31
40) Benzene	5.40	78	10233	1.02	ug/l	95
41) Methacrylonitrile	4.74	41	2047	0.95	ug/l	# 46
42) 1,2-Dichloroethane	5.41	62	4769	1.20	ug/l	84
43) Isopropyl Acetate	5.54	43	31278	5.05	ug/l	# 61
47) Bromodichloromethane	6.74	83	1110	0.31	ug/l	# 84
48) Methyl methacrylate	6.60	41	5094	1.65	ug/l	# 31
52) Toluene	7.64	92	1537	0.24	ug/l	83
55) 1,1,2-Trichloroethane	8.05	97	6352	2.40	ug/l	# 20
56) Ethyl methacrylate	8.05	69	1513	0.37	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	7.06	63	307	11.30	ug/l	# 47
59) 2-Hexanone	8.17	43	1818	0.56	ug/l	74
65) Chlorobenzene	9.12	112	667123	92.52	ug/l	99
73) Isopropylbenzene	10.17	105	4503	0.38	ug/l	94
74) N-amyl acetate	10.01	43	804	1.43	ug/l	# 52
76) 1,2,3-Trichloropropane	10.31	75	86162	27.56	ug/l	# 37

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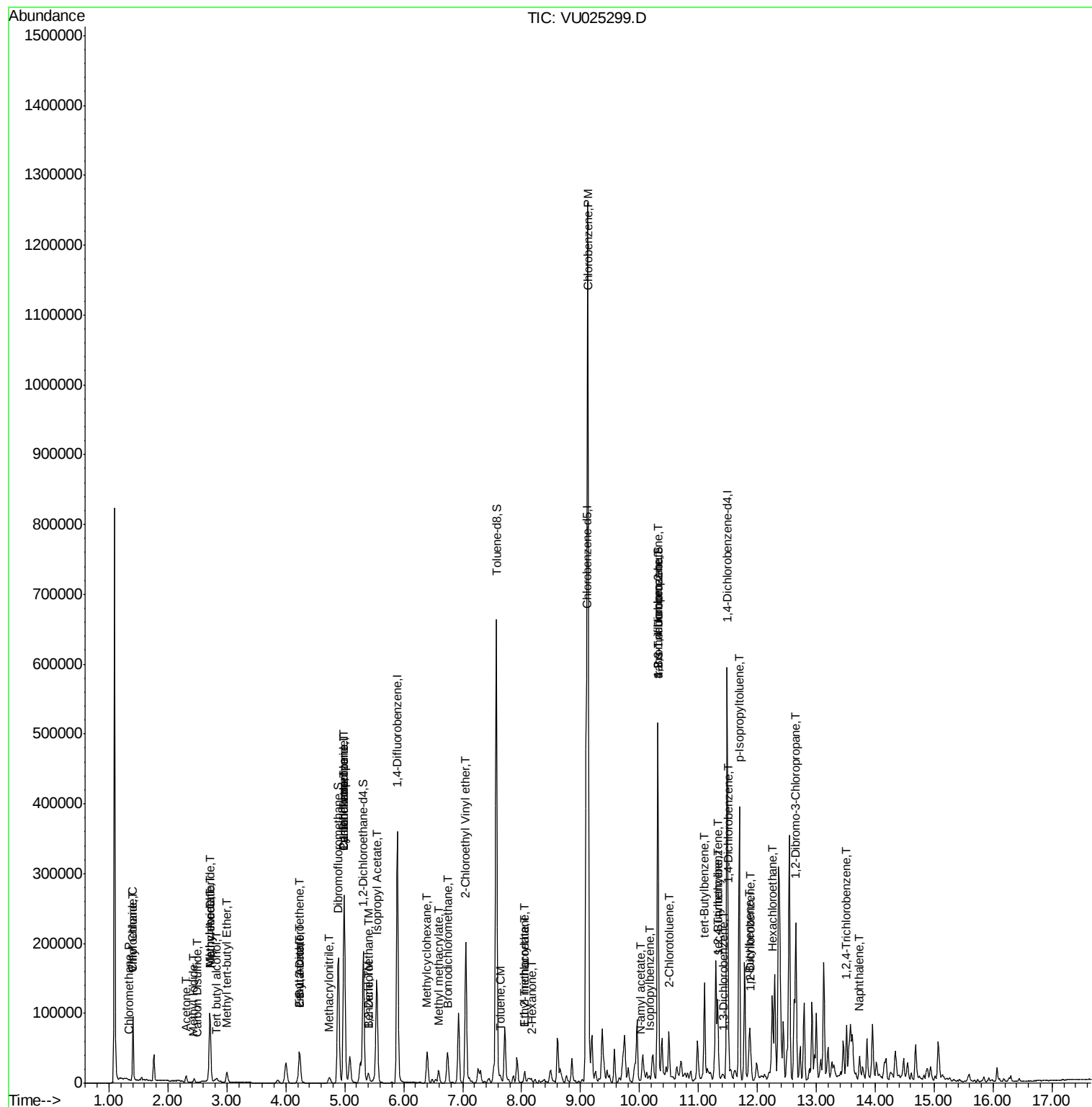
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	10.51	91	705	0.24	ug/l	88
81) trans-1,4-Dichloro-2-buten	10.31	75	86162	70.36	ug/l #	100
83) tert-Butylbenzene	11.10	119	63664	6.38	ug/l	89
84) 1,2,4-Trimethylbenzene	11.33	105	67023	6.62	ug/l #	32
85) sec-Butylbenzene	11.33	105	67023	5.70	ug/l	93
86) p-Isopropyltoluene	11.69	119	209648	20.14	ug/l	96
87) 1,3-Dichlorobenzene	11.43	146	1701	0.31	ug/l	88
88) 1,4-Dichlorobenzene	11.51	146	9333	3.18	ug/l	84
89) n-Butylbenzene	11.87	91	4482	0.52	ug/l #	1
90) Hexachloroethane	12.26	117	5678	3.22	ug/l #	7
91) 1,2-Dichlorobenzene	11.89	146	7174	1.29	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.65	75	778	0.83	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.51	180	20	3.29	ug/l #	1
95) Naphthalene	13.73	128	4030	2.75	ug/l #	22

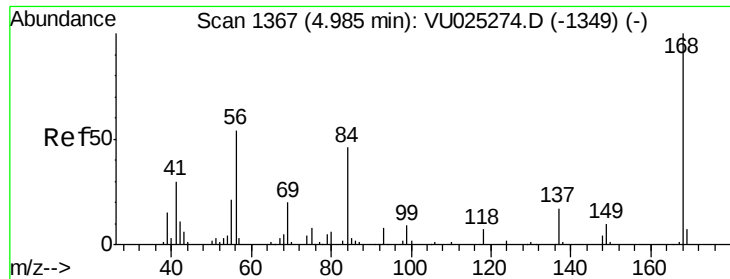
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

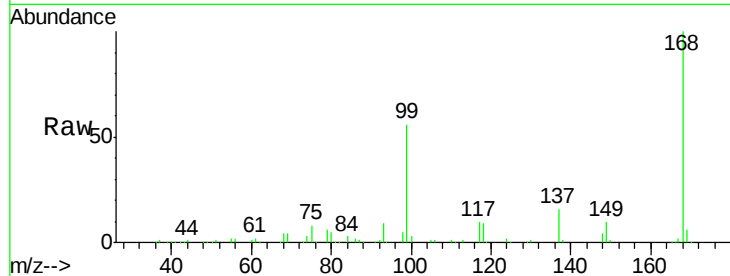
SS038MW103-180705

Tot Ion:168 Resp: 206239

Ion Ratio Lower Upper

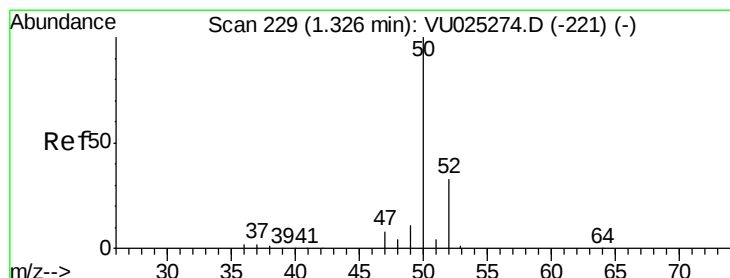
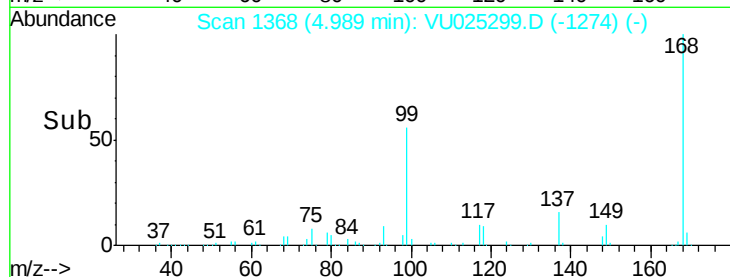
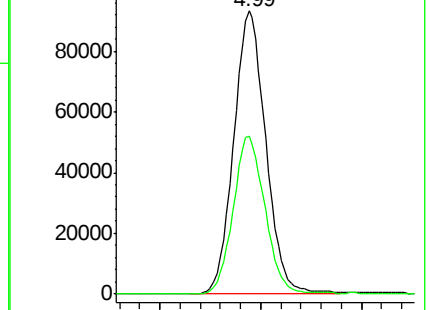
168 100

99 55.7 42.8 64.2



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

Ion 98.90 (98.60 to 99.60): VU025299.D (-1274) (-)



#3

Chloromethane

Concen: 0.91 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025299.D

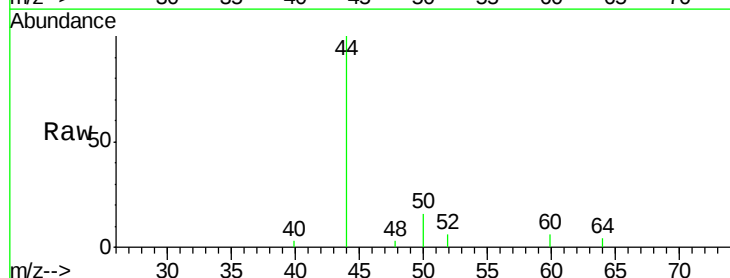
Acq: 10 Jul 2018 19:20

Tgt Ion: 50 Resp: 747

Ion Ratio Lower Upper

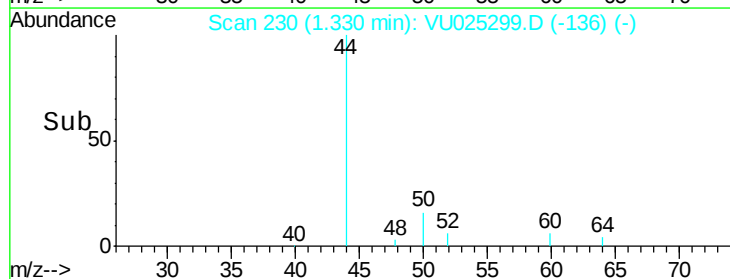
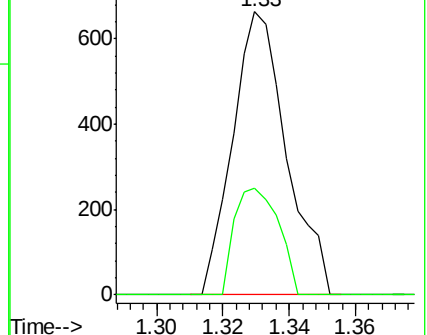
50 100

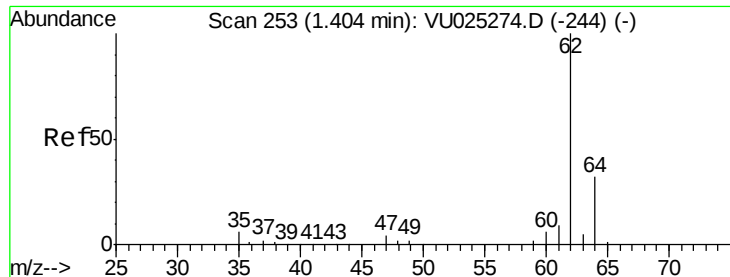
52 37.6 26.5 39.7



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

Ion 51.90 (51.60 to 52.60): VU025299.D (-136) (-)





#4

Vinyl Chloride

Concen: 23.12 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

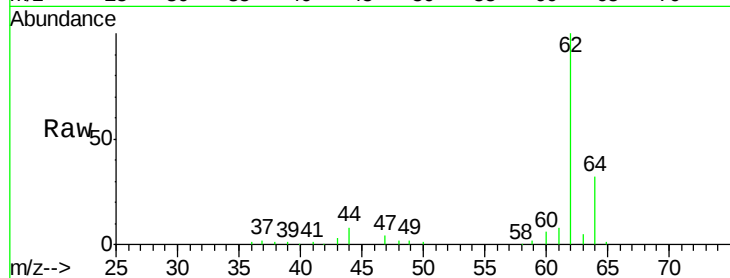
SS038MW103-180705

Tot Ion: 62 Resp: 54223

Ion Ratio Lower Upper

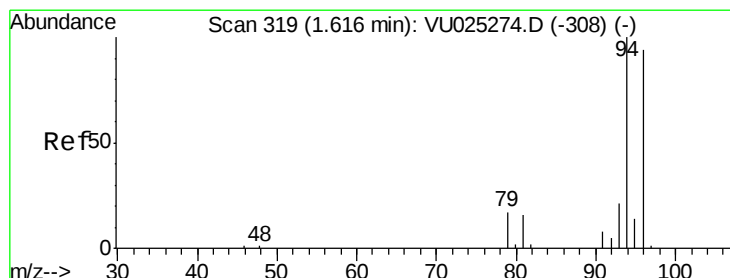
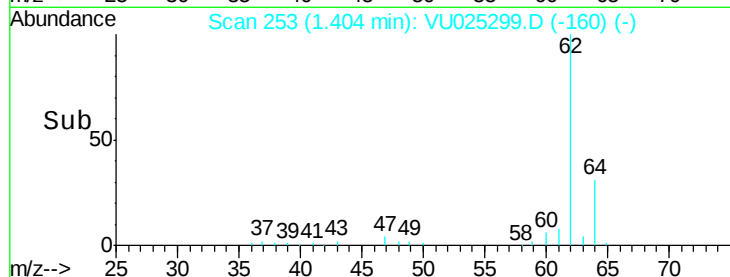
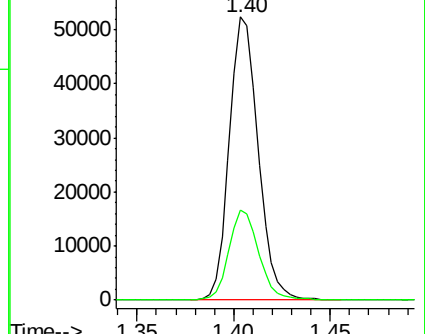
62 100

64 31.7 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: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025299.D

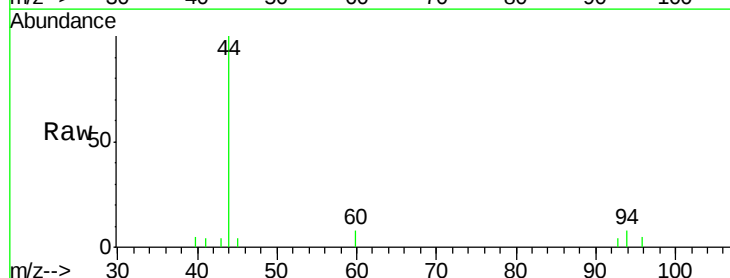
Acq: 10 Jul 2018 19:20

Tgt Ion: 94 Resp: 457

Ion Ratio Lower Upper

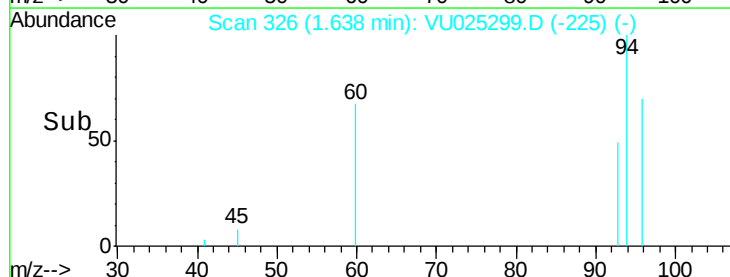
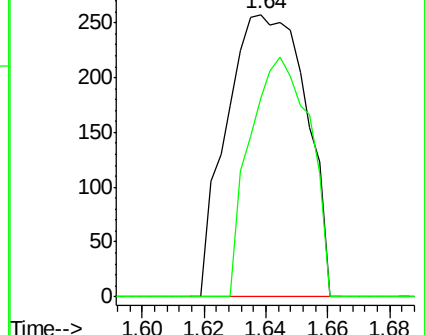
94 100

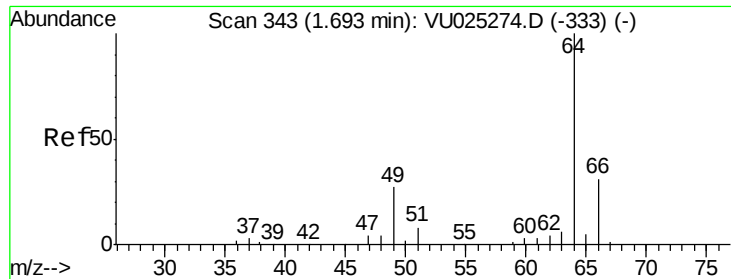
96 70.2 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: 8.30 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.29 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

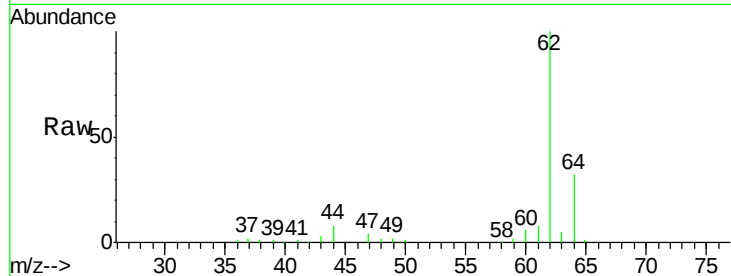
SS038MW103-180705

Tot Ion: 64 Resp: 12010

Ion Ratio Lower Upper

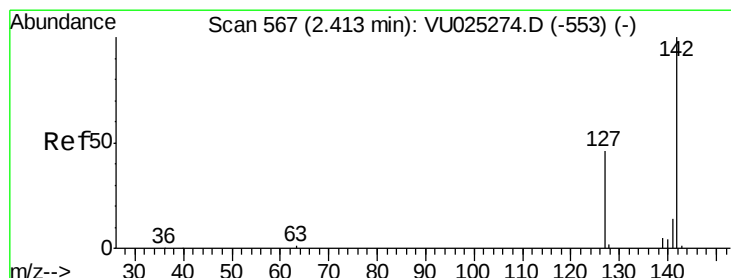
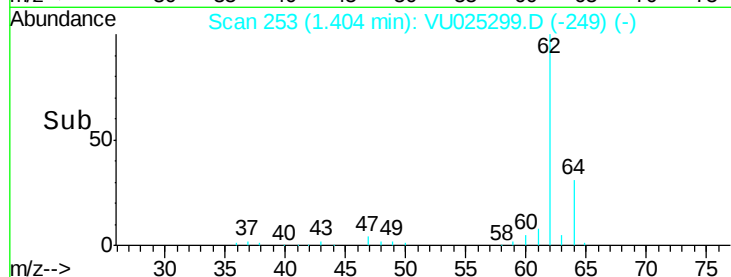
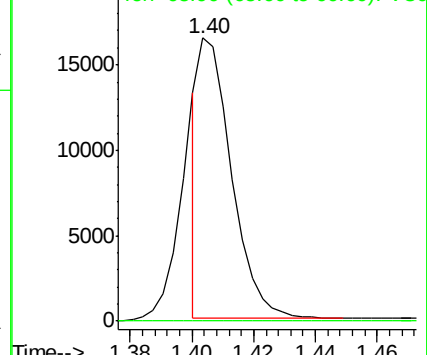
64 100

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: 7.77 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

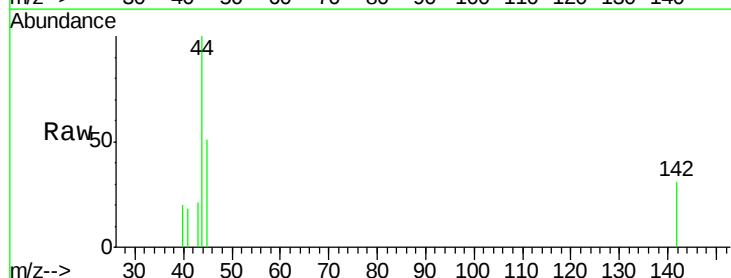
Tgt Ion: 142 Resp: 204

Ion Ratio Lower Upper

142 100

127 0.0 36.5 54.7#

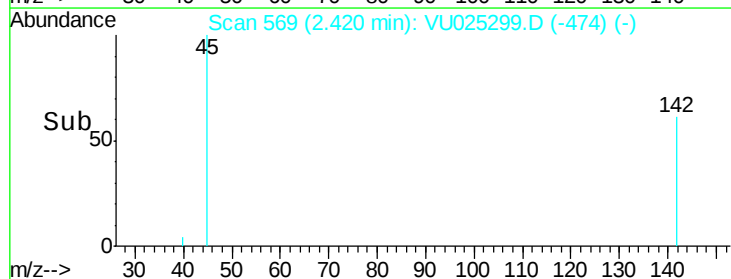
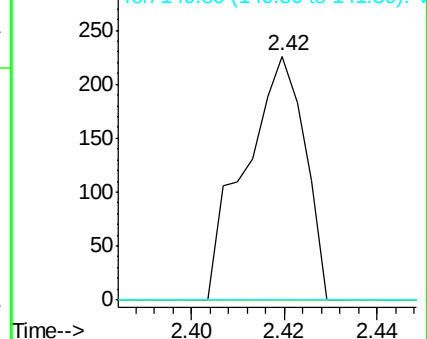
141 0.0 11.4 17.2#

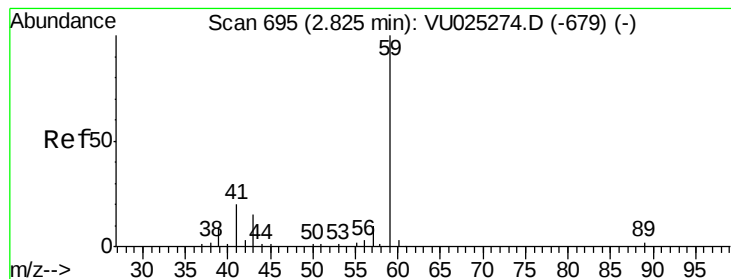


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



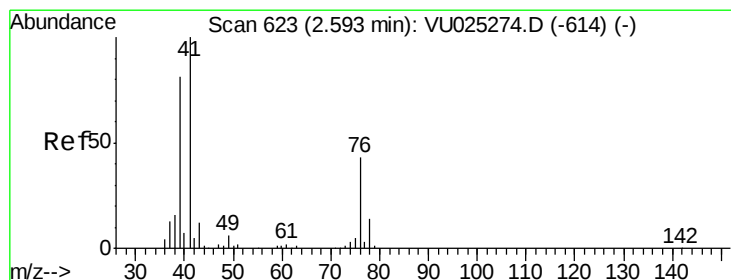
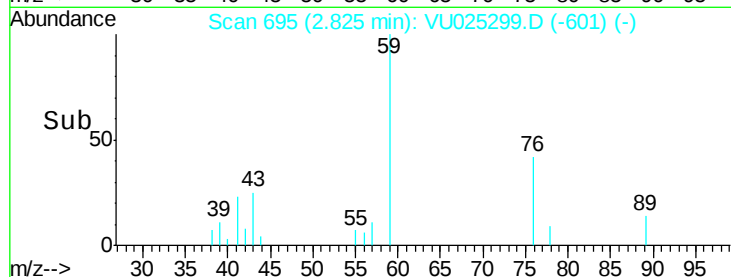
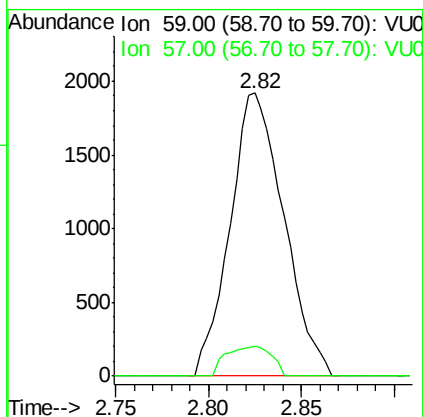
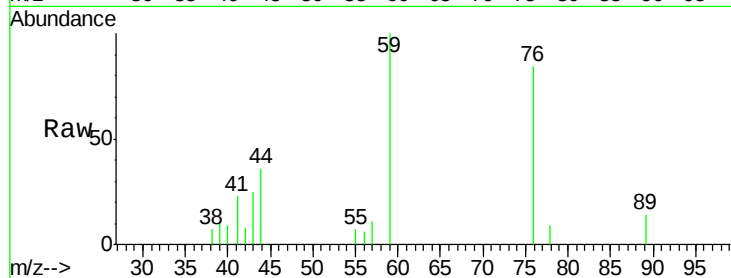


#11

Tert butyl alcohol
 Concen: 5.54 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU025299.D
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 SS038MW103-180705

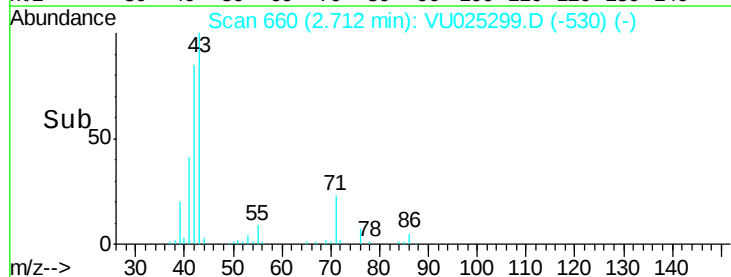
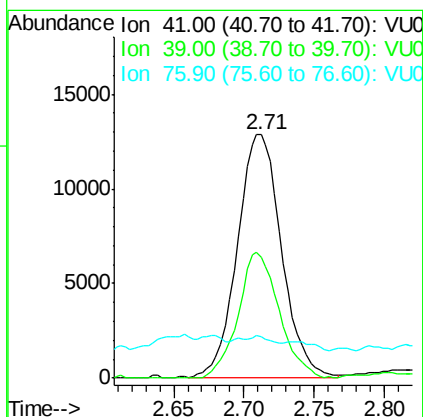
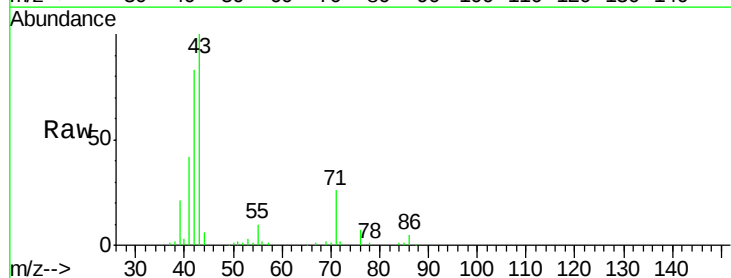
Tot Ion: 59 Resp: 3869
 Ion Ratio Lower Upper
 59 100
 57 8.9 8.2 12.2

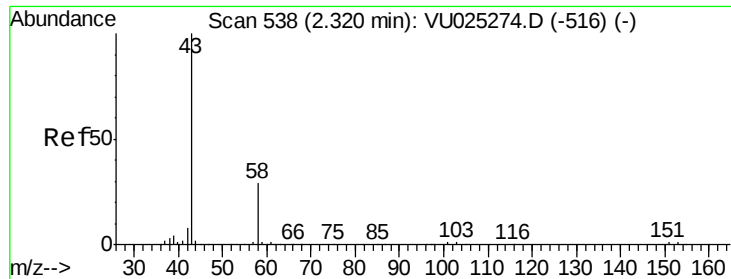


#14

Allyl chloride
 Concen: 7.45 ug/l
 RT: 2.71 min Scan# 660
 Delta R.T. 0.12 min
 Lab File: VU025299.D
 Acq: 10 Jul 2018 19:20

Tgt Ion: 41 Resp: 28254
 Ion Ratio Lower Upper
 41 100
 39 47.9 60.6 91.0#
 76 0.0 30.5 45.7#





#16

Acetone

Concen: 7.56 ug/l

RT: 2.31 min Scan# 534

Delta R.T. -0.01 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

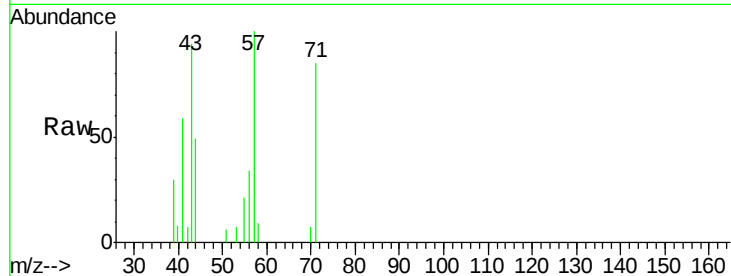
SS038MW103-180705

Tot Ion: 43 Resp: 4485

Ion Ratio Lower Upper

43 100

58 9.4 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.31

2000

1500

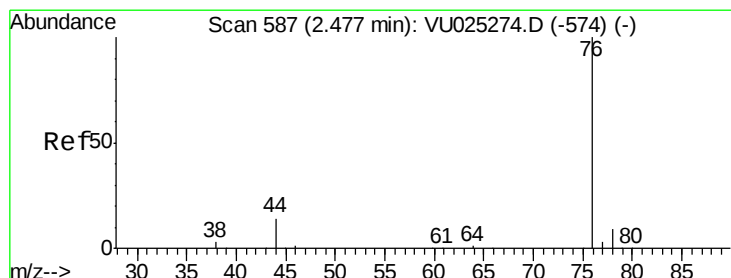
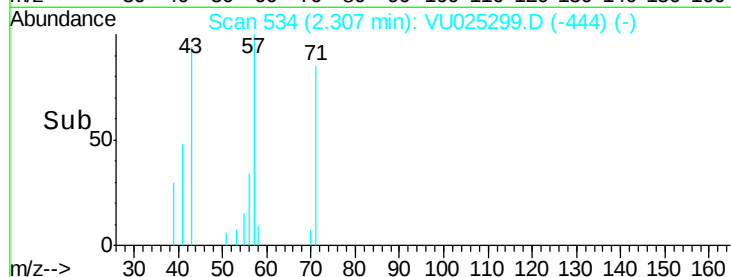
1000

500

0

2.25 2.30 2.35 2.40

Time-->



#17

Carbon Disulfide

Concen: 2.18 ug/l

RT: 2.49 min Scan# 590

Delta R.T. 0.01 min

Lab File: VU025299.D

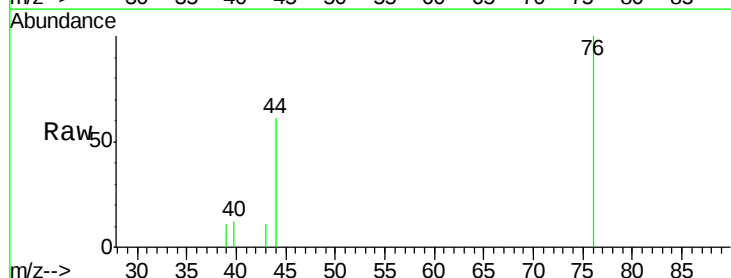
Acq: 10 Jul 2018 19:20

Tgt Ion: 76 Resp: 1551

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

2.49

1000

800

600

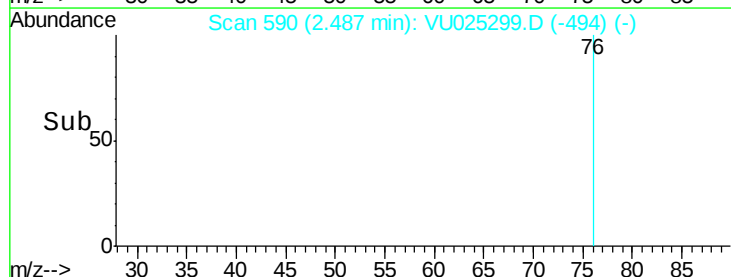
400

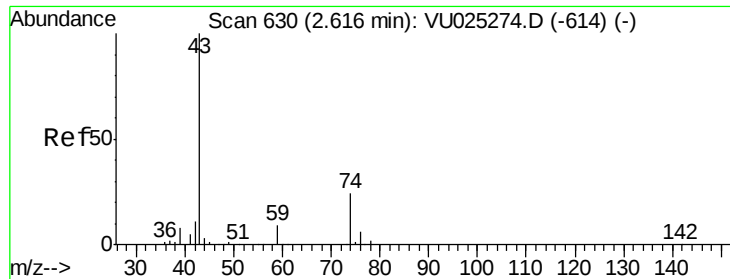
200

0

2.44 2.46 2.48 2.50 2.52

Time-->

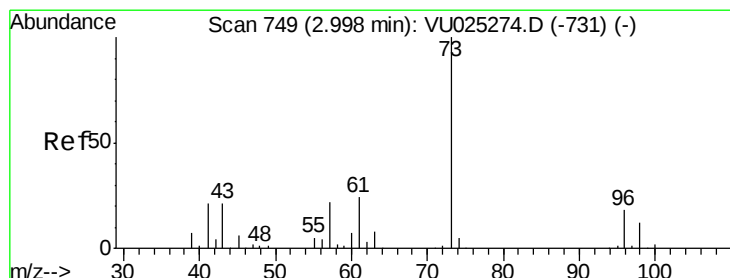
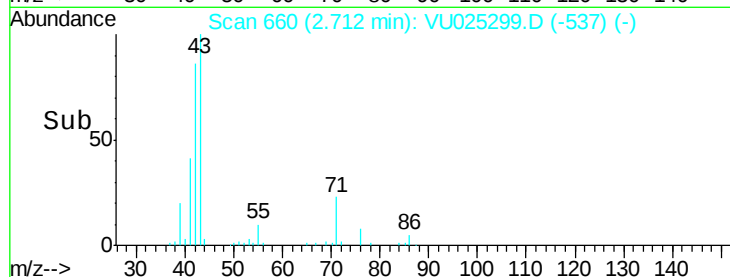
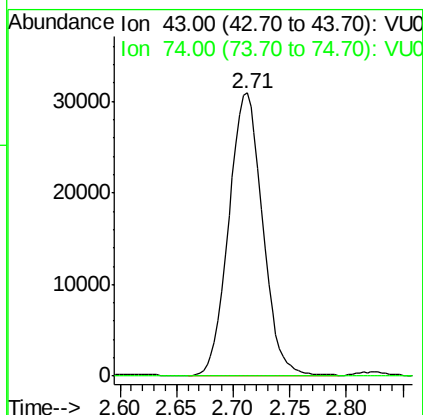
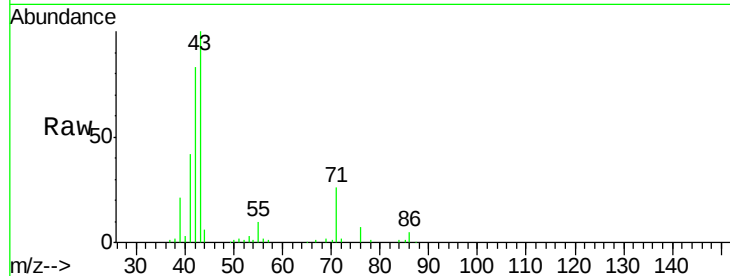




#18
Methyl Acetate
Concen: 19.72 ug/l
RT: 2.71 min Scan# 660
Delta R.T. 0.10 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

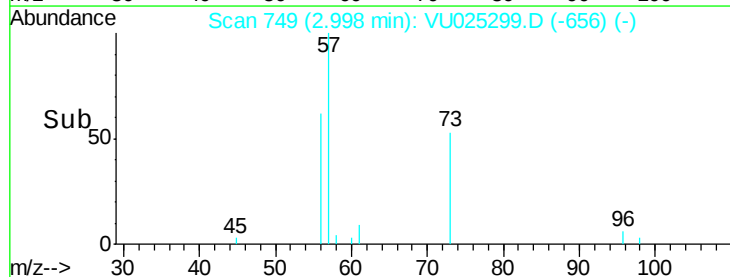
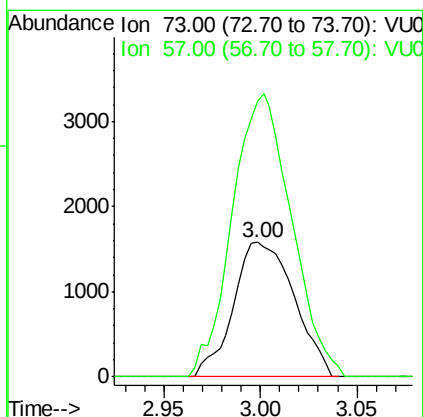
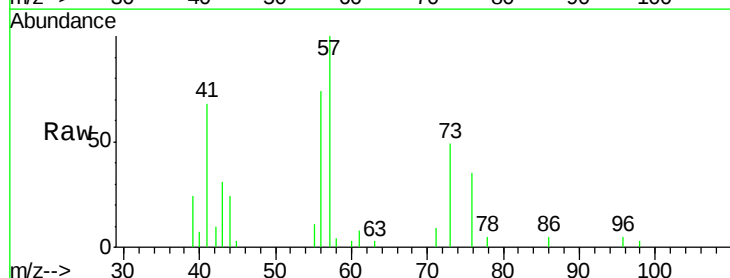
Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

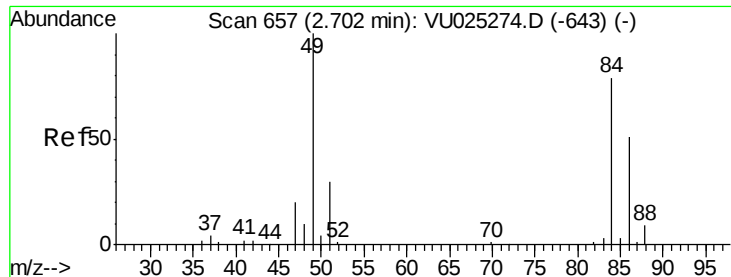
Tot Ion: 43 Resp: 64685
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



#19
Methyl tert-butyl Ether
Concen: 0.43 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

Tgt Ion: 73 Resp: 3456
Ion Ratio Lower Upper
73 100
57 204.8 17.4 26.2#

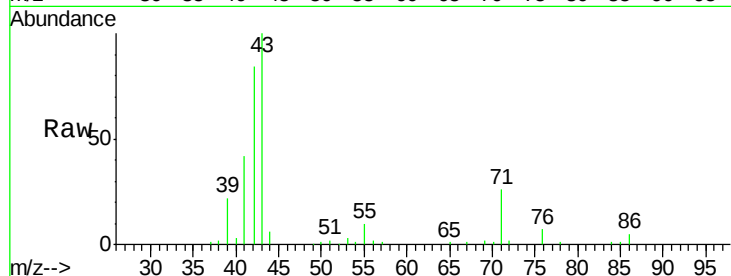




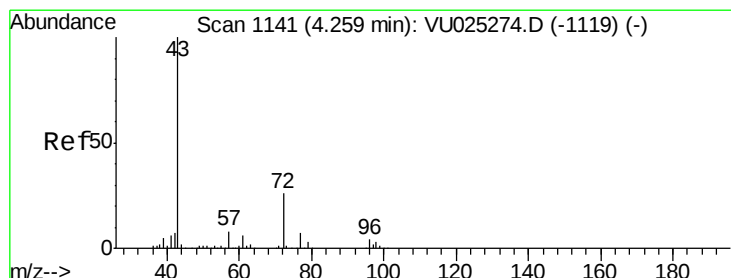
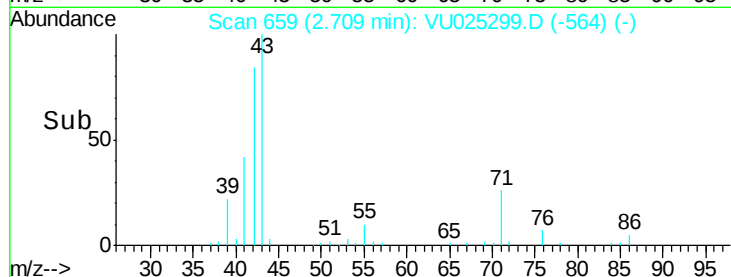
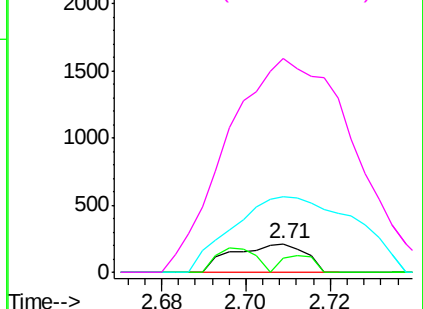
#20
Methvlene Chloride
Concen: 0.79 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.01 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

Tot Ion: 84 Resp: 249
Ion Ratio Lower Upper
84 100
49 50.0 101.8 152.6#
51 268.6 30.8 46.2#
86 620.5 51.9 77.9#

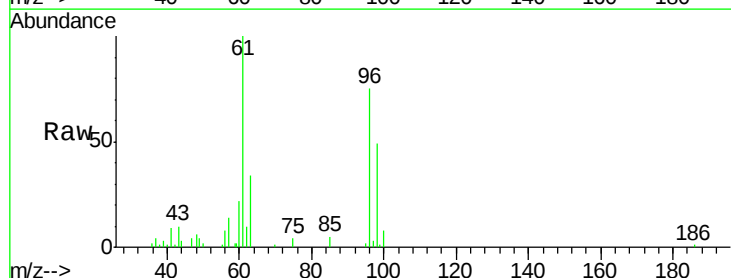


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

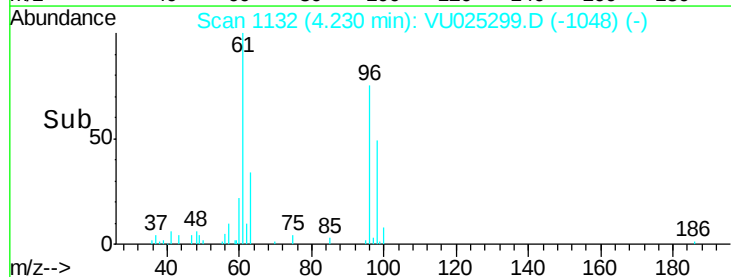
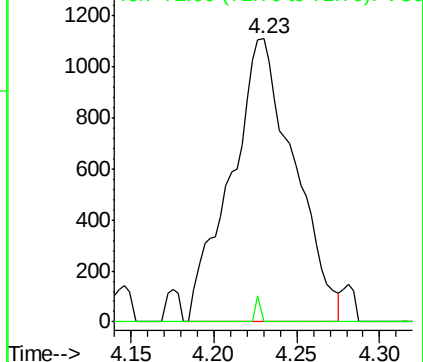


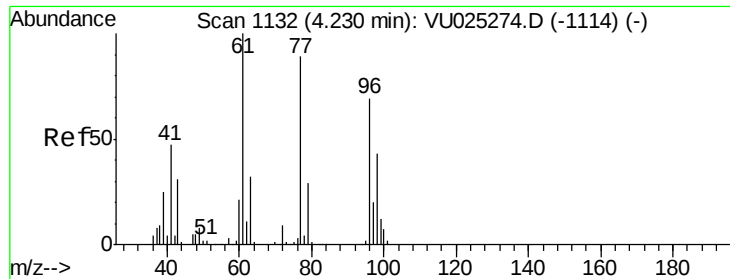
#25
2-Butanone
Concen: 1.33 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.03 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

Tgt Ion: 43 Resp: 2949
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





#27

cis-1,2-Dichloroethene

Concen: 7.95 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

SS038MW103-180705

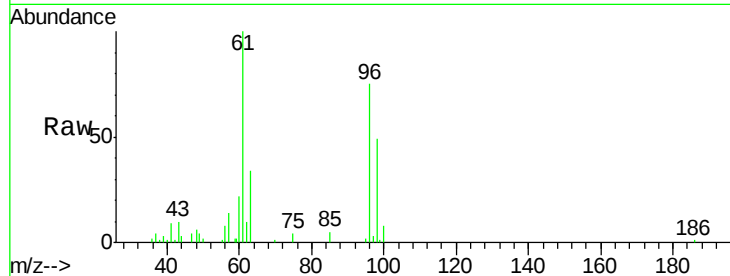
Tot Ion: 96 Resp: 21968

Ion Ratio Lower Upper

96 100

61 133.5 0.0 299.8

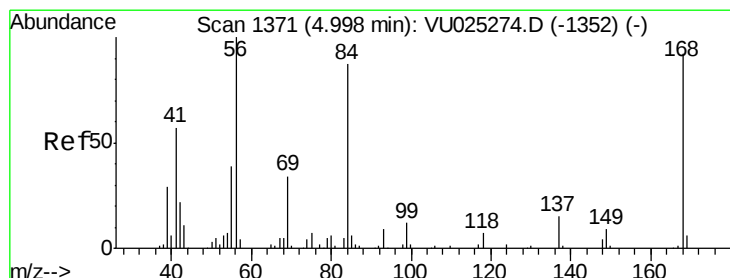
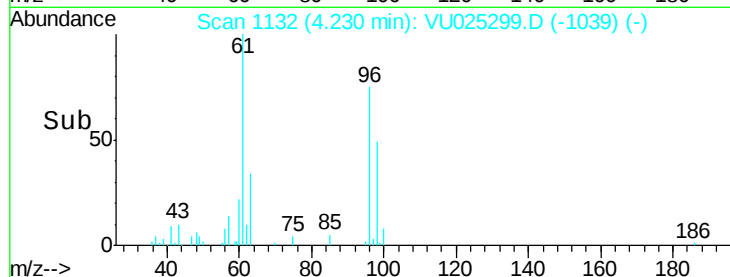
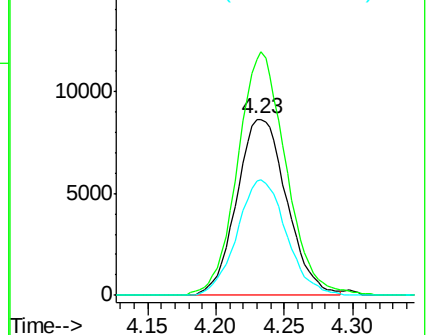
98 64.6 0.0 128.6



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: 2.11 ug/l

RT: 5.00 min Scan# 1370

Delta R.T. -0.00 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

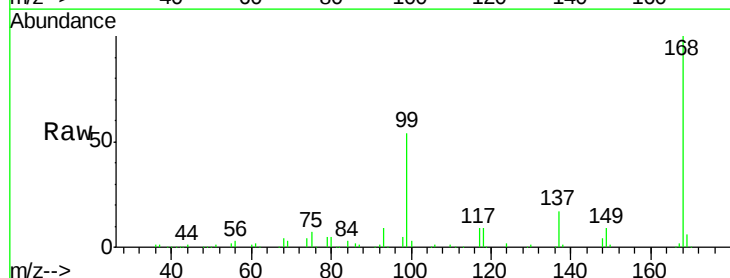
Tgt Ion: 56 Resp: 5596

Ion Ratio Lower Upper

56 100

69 111.2 26.8 40.2#

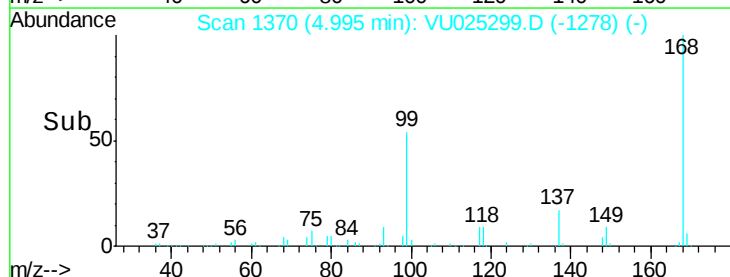
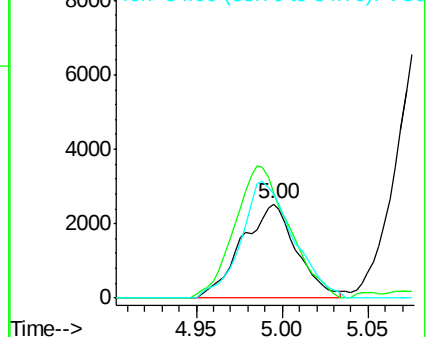
84 109.8 69.7 104.5#

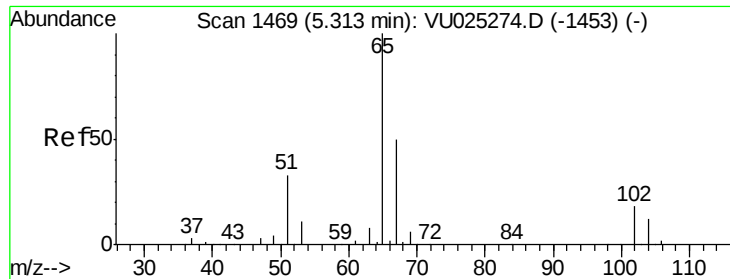


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#33

1,2-Dichloroethane-d4

Concen: 47.86 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

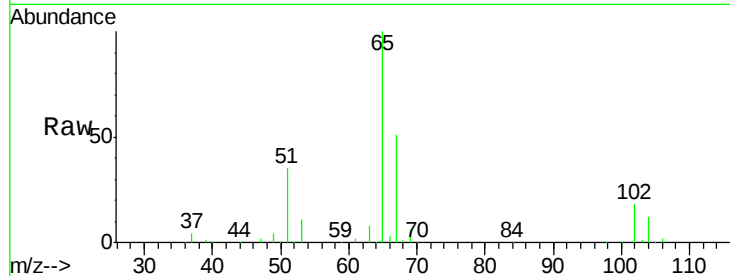
SS038MW103-180705

Tot Ion: 65 Resp: 153345

Ion Ratio Lower Upper

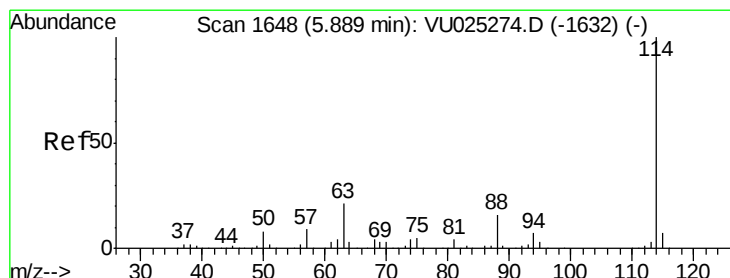
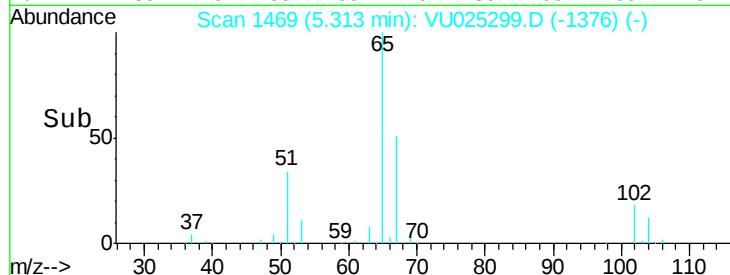
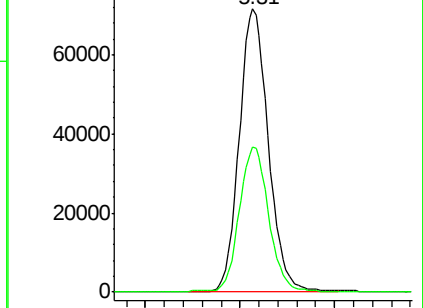
65 100

67 50.7 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025299.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025299.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

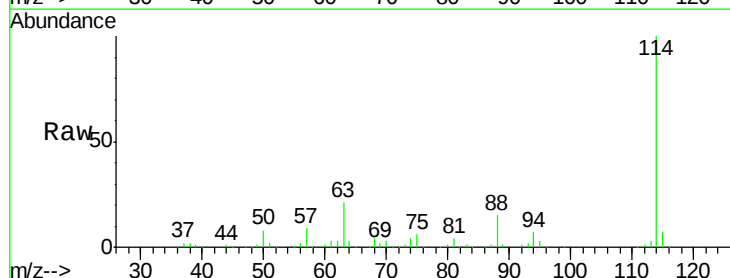
Tgt Ion: 114 Resp: 312126

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.6

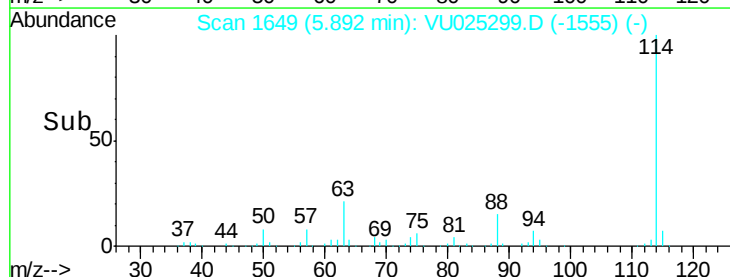
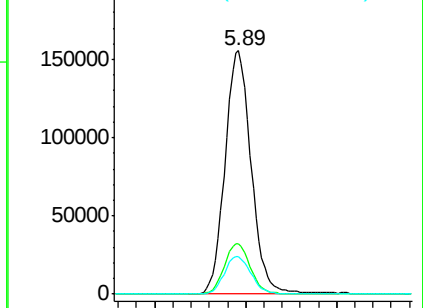
88 15.2 0.0 32.4

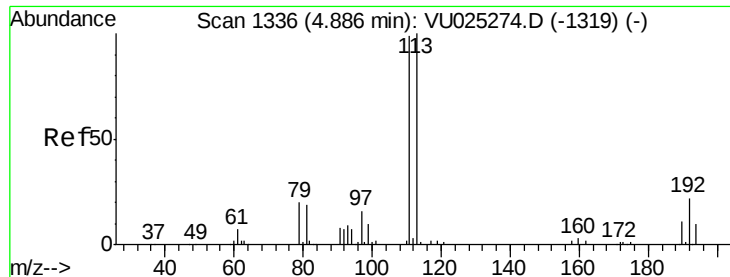


Abundance Ion 113.90 (113.60 to 114.60): VU025299.D (-1555) (-)

Ion 63.00 (62.70 to 63.70): VU025299.D (-1555) (-)

Ion 87.90 (87.60 to 88.60): VU025299.D (-1555) (-)

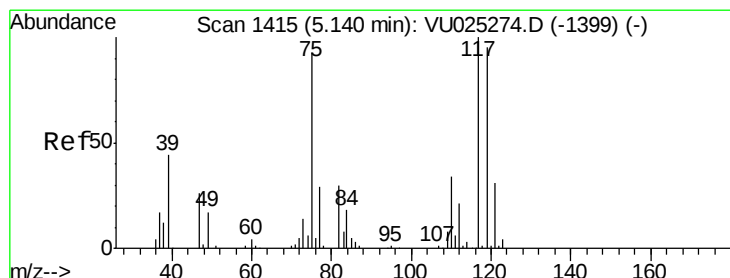
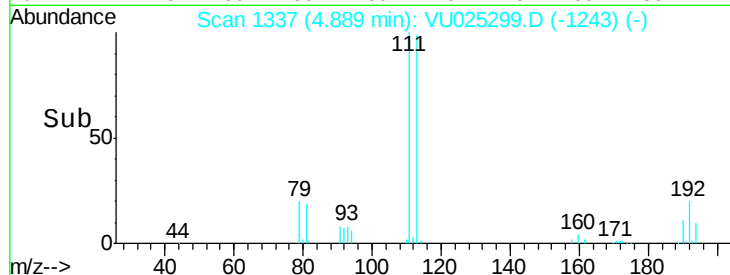
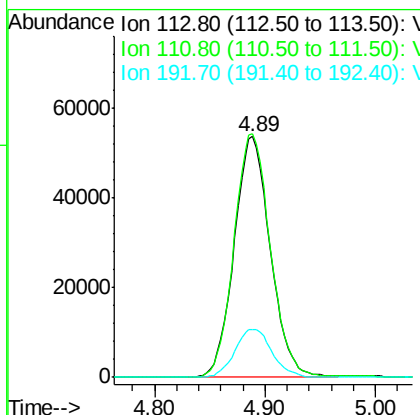
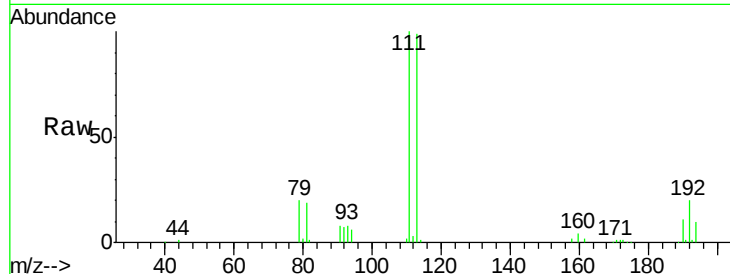




#35
 Dibromofluoromethane
 Concen: 46.30 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025299.D
 Acq: 10 Jul 2018 19:20

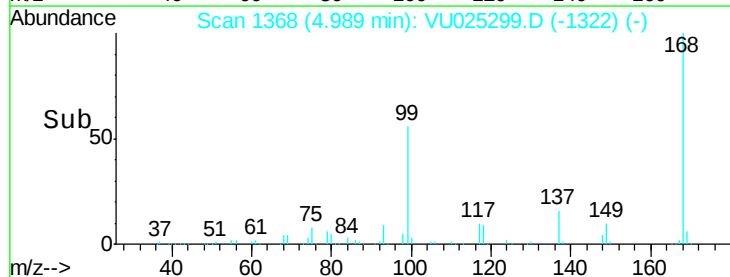
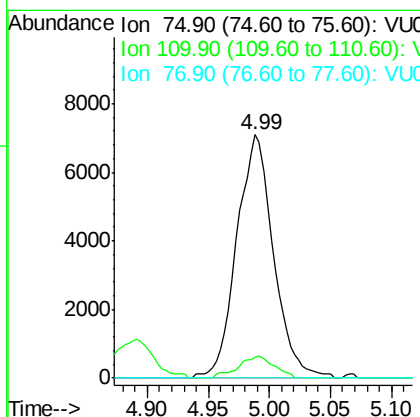
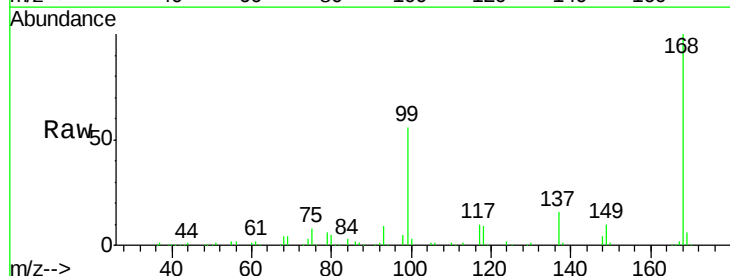
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW103-180705

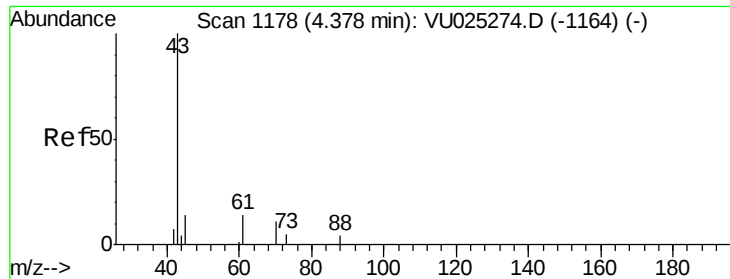
Tot Ion:113 Resp: 121905
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.7 122.5
 192 20.6 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.26 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025299.D
 Acq: 10 Jul 2018 19:20

Tgt Ion: 75 Resp: 14780
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.6 52.9#
 77 0.0 24.4 36.6#

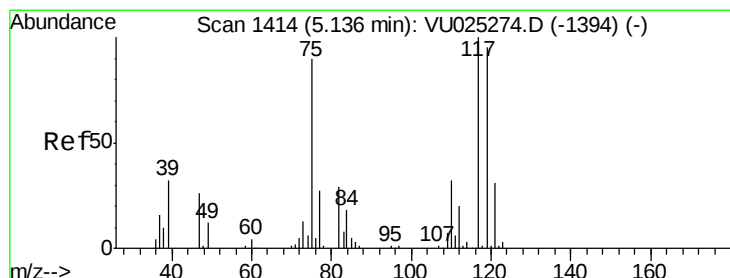
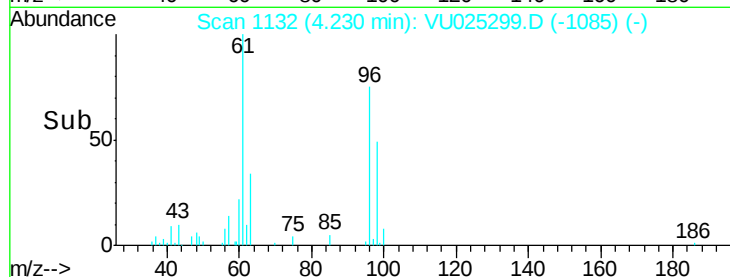
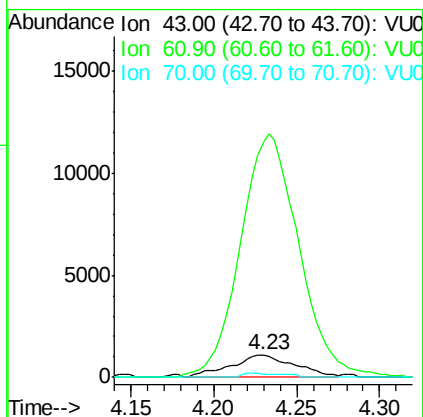
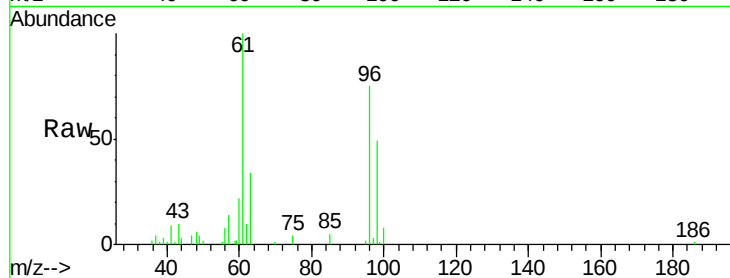




#37
Ethyl Acetate
Concen: 0.76 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.15 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

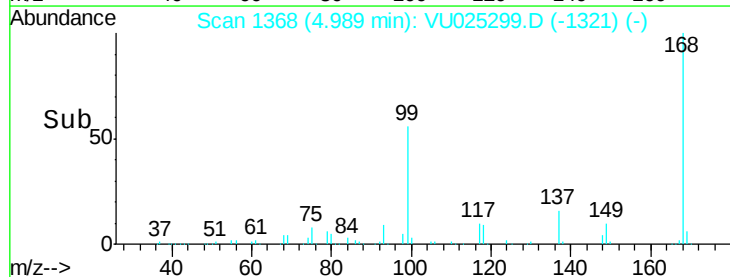
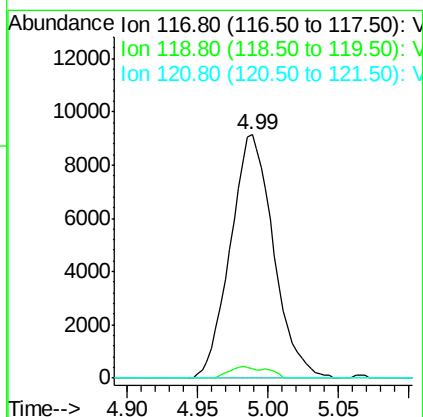
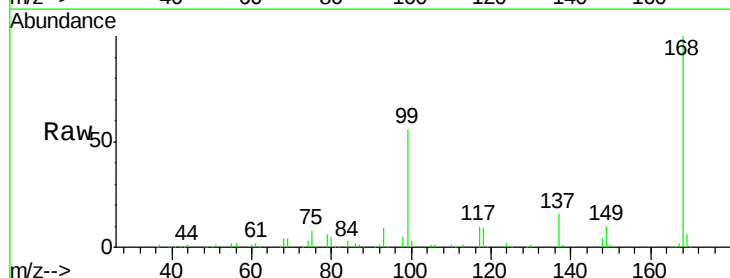
Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

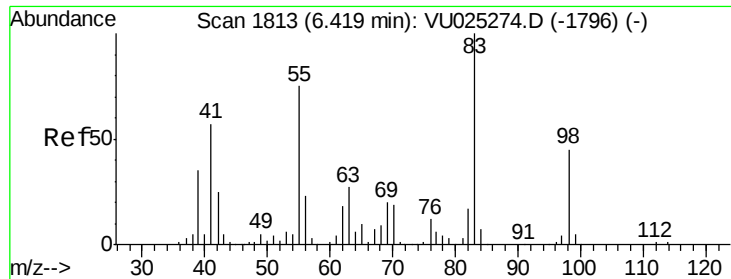
Tot Ion: 43 Resp: 2949
Ion Ratio Lower Upper
43 100
61 994.2 10.7 16.1#
70 8.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.23 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

Tgt Ion: 117 Resp: 19539
Ion Ratio Lower Upper
117 100
119 3.7 75.7 113.5#
121 0.0 24.6 36.8#

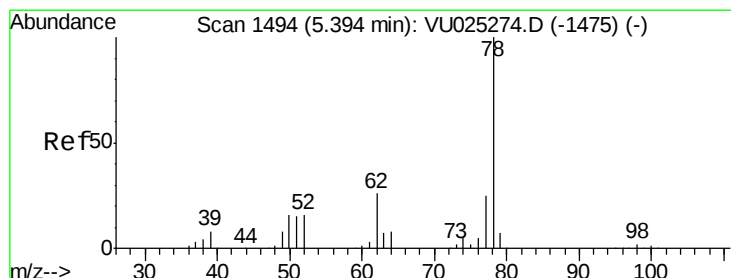
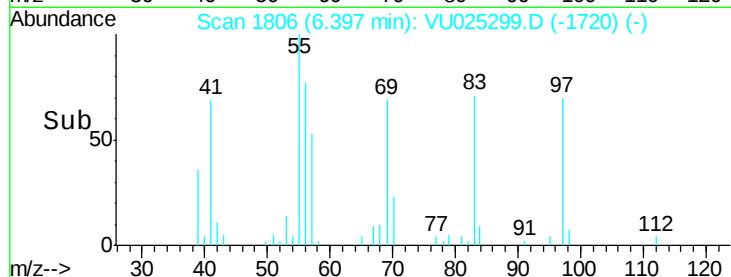
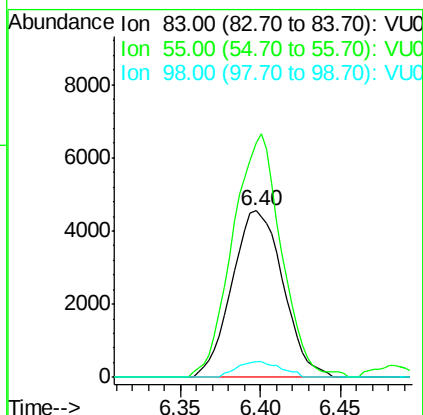
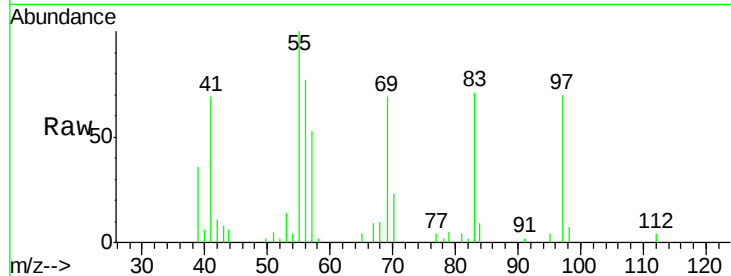




#39
Methvlcvclohexane
Concen: 2.30 ug/l
RT: 6.40 min Scan# 1806
Delta R.T. -0.02 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

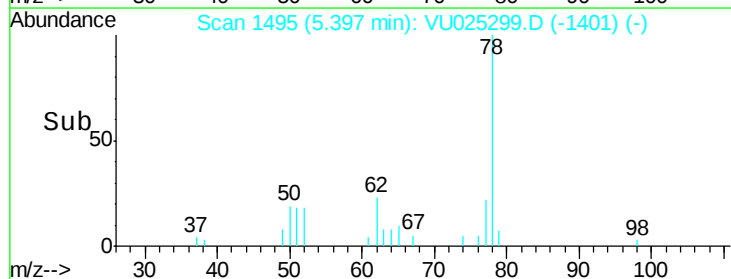
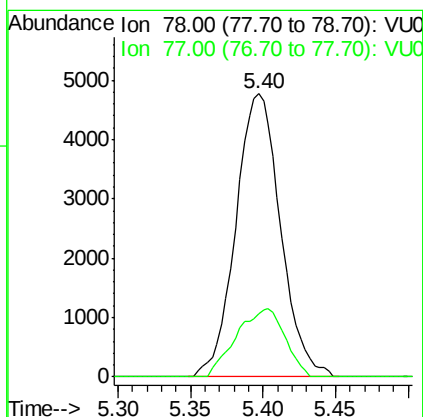
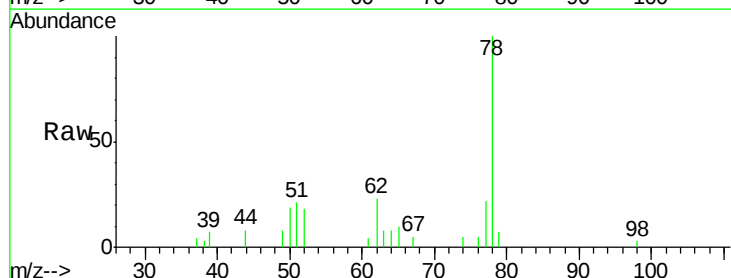
Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

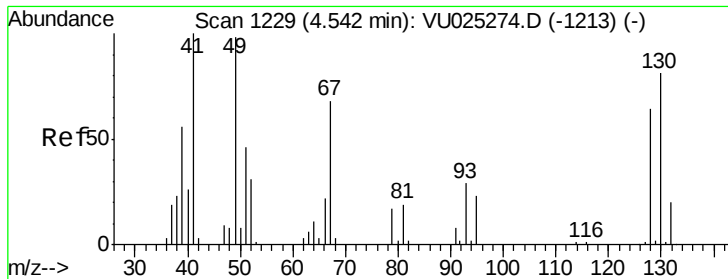
Tot Ion: 83 Resp: 9967
Ion Ratio Lower Upper
83 100
55 140.8 60.0 90.0#
98 9.3 36.1 54.1#



#40
Benzene
Concen: 1.02 ug/l
RT: 5.40 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

Tgt Ion: 78 Resp: 10233
Ion Ratio Lower Upper
78 100
77 22.3 19.8 29.6

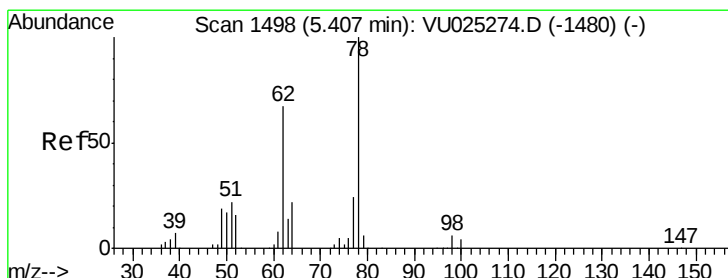
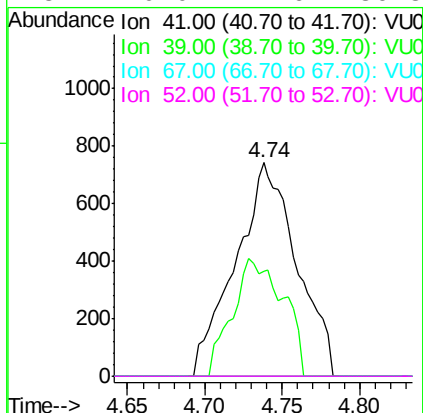
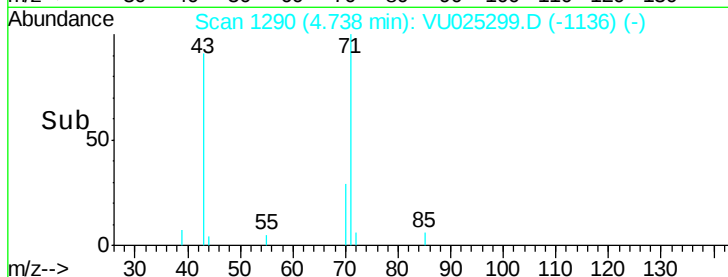
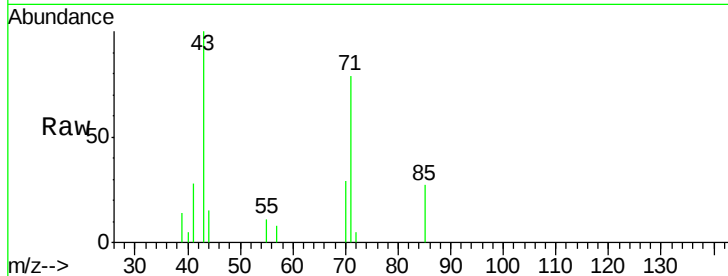




#41
Methacrylonitrile
Concen: 0.95 ug/l
RT: 4.74 min Scan# 1290
Delta R.T. 0.20 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

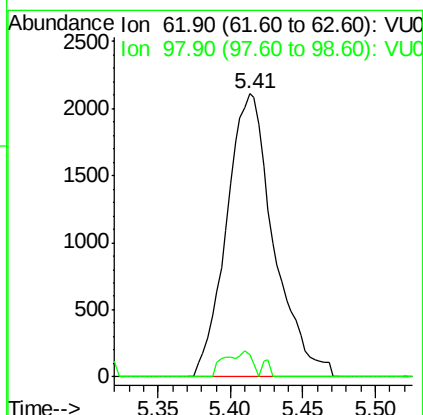
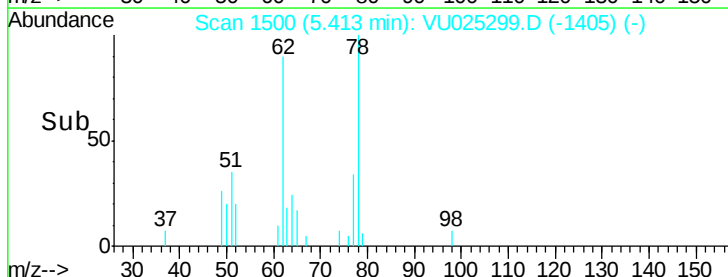
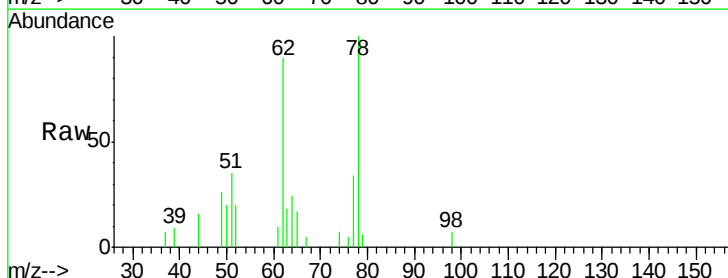
Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

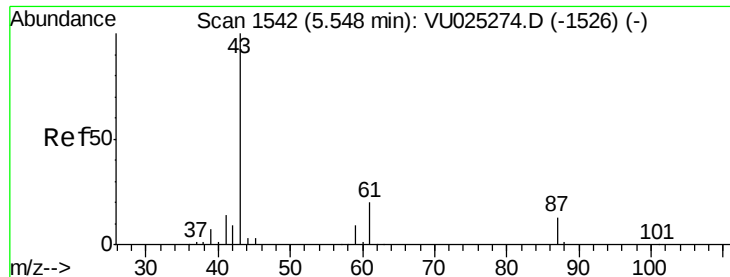
Tot Ion: 41 Resp: 2047
Ion Ratio Lower Upper
41 100
39 45.4 44.4 66.6
67 0.0 56.0 84.0#
52 0.0 24.6 36.8#



#42
1,2-Dichloroethane
Concen: 1.20 ug/l
RT: 5.41 min Scan# 1500
Delta R.T. 0.01 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

Tgt Ion: 62 Resp: 4769
Ion Ratio Lower Upper
62 100
98 2.5 0.0 16.4





#43

Isopropyl Acetate

Concen: 5.05 ug/l

RT: 5.54 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

SS038MW103-180705

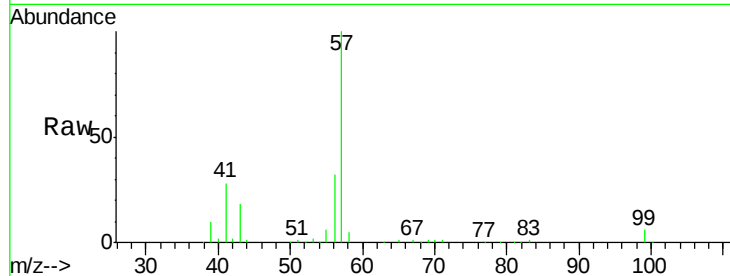
Tot Ion: 43 Resp: 31278

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

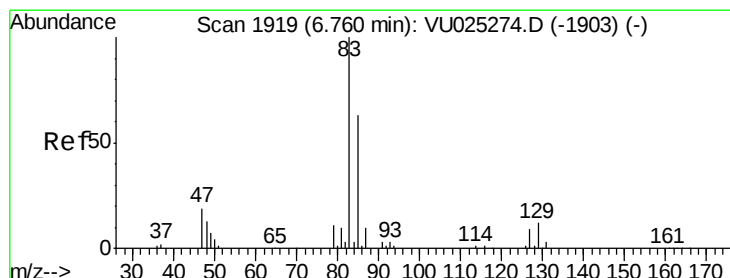
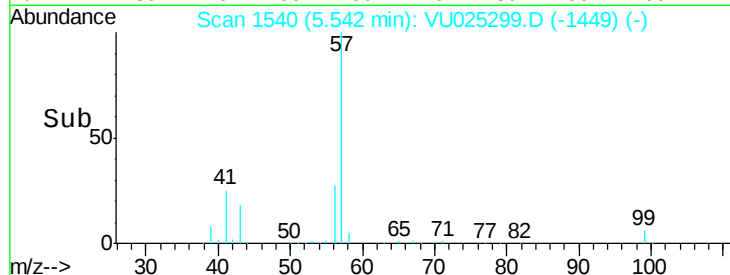
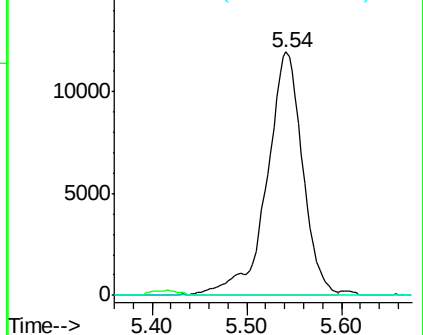
87 0.0 10.6 16.0#



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



#47

Bromodichloromethane

Concen: 0.31 ug/l

RT: 6.74 min Scan# 1914

Delta R.T. -0.02 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

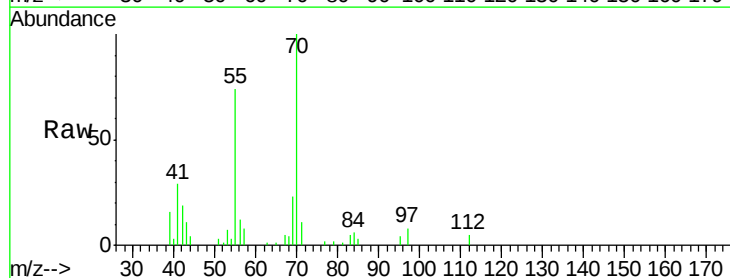
Tgt Ion: 83 Resp: 1110

Ion Ratio Lower Upper

83 100

85 51.7 50.2 75.4

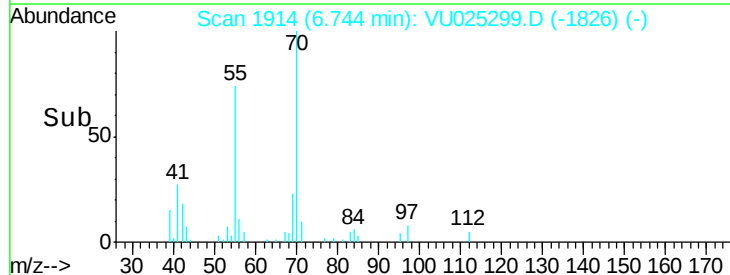
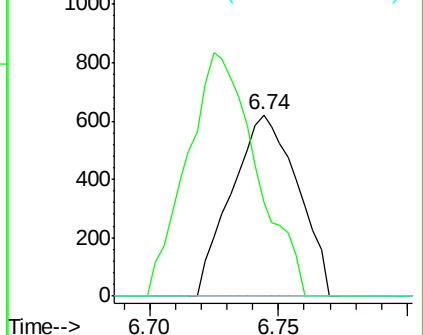
127 0.0 7.2 10.8#

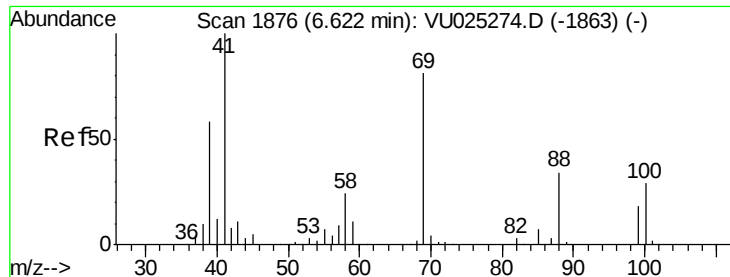


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V





#48

Methvl methacrylate

Concen: 1.65 ug/l

RT: 6.60 min Scan# 1868

Delta R.T. -0.03 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

SS038MW103-180705

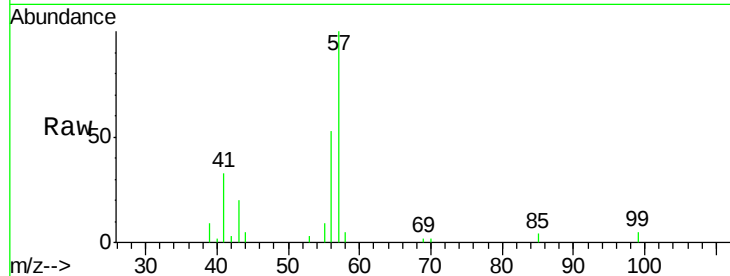
Tot Ion: 41 Resp: 5094

Ion Ratio Lower Upper

41 100

69 0.0 65.0 97.4#

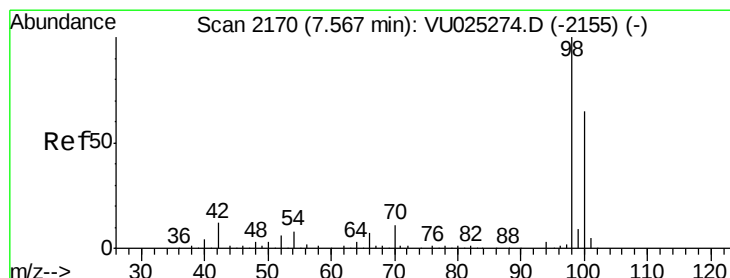
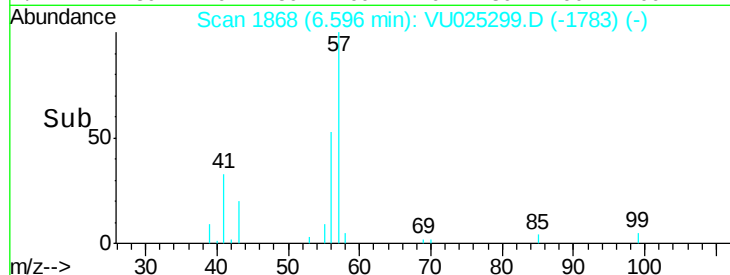
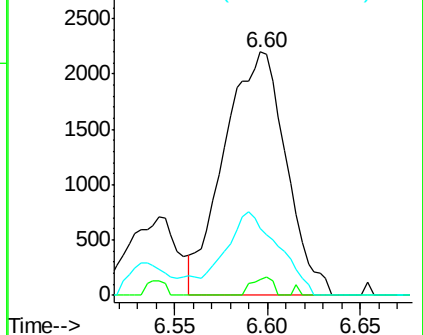
39 29.3 46.4 69.6#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#50

Toluene-d8

Concen: 49.36 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025299.D

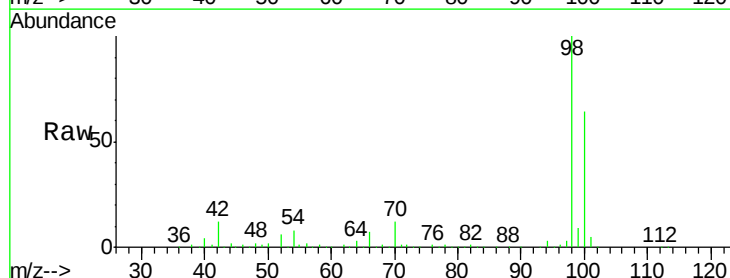
Acq: 10 Jul 2018 19:20

Tgt Ion: 98 Resp: 445075

Ion Ratio Lower Upper

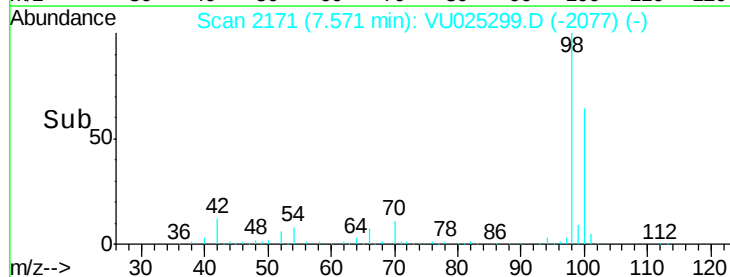
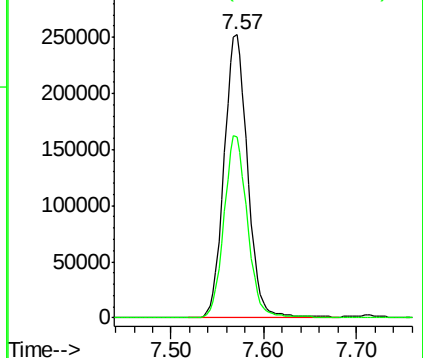
98 100

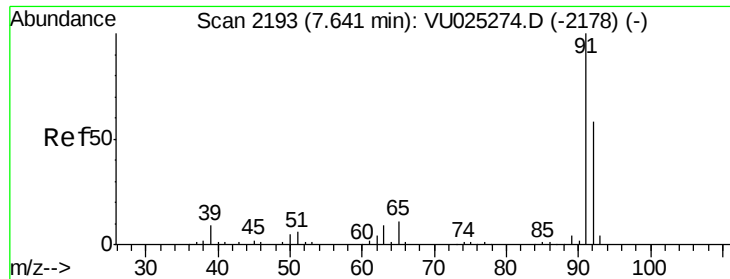
100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Toluene

Concen: 0.24 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

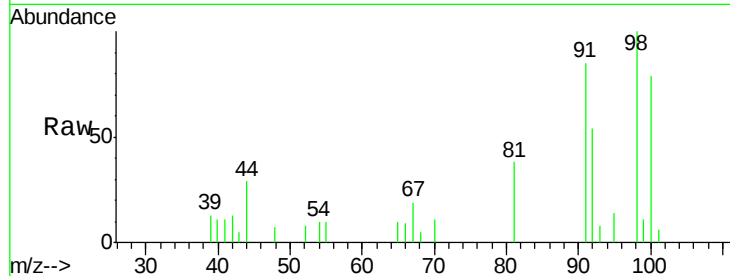
SS038MW103-180705

Tot Ion: 92 Resp: 1537

Ion Ratio Lower Upper

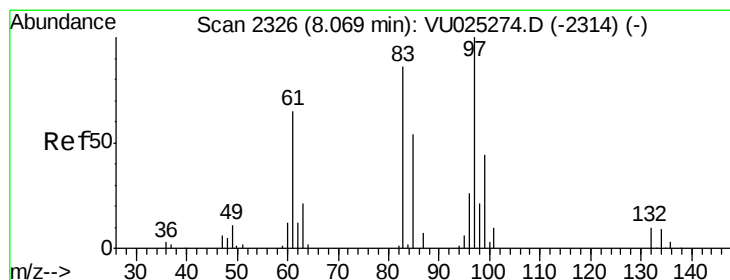
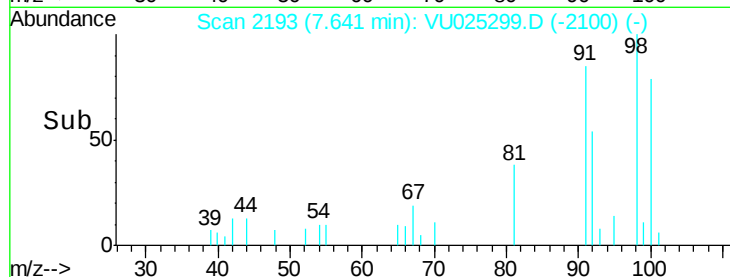
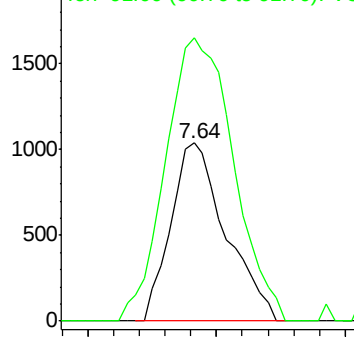
92 100

91 197.1 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#55

1,1,2-Trichloroethane

Concen: 2.40 ug/l

RT: 8.05 min Scan# 2320

Delta R.T. -0.02 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

Tgt Ion: 97 Resp: 6352

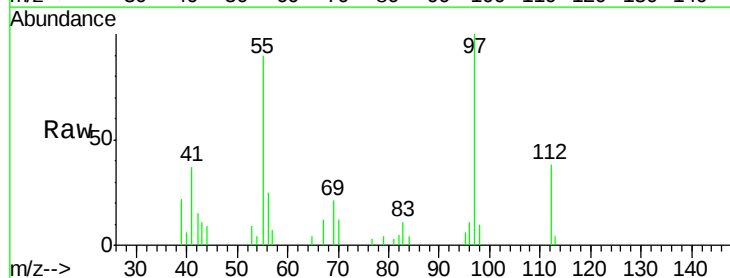
Ion Ratio Lower Upper

97 100

83 10.7 68.9 103.3#

85 0.0 44.4 66.6#

99 0.0 51.0 76.4#

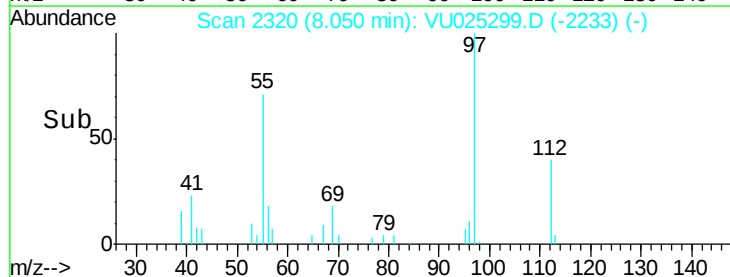
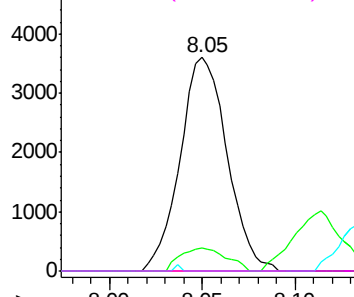


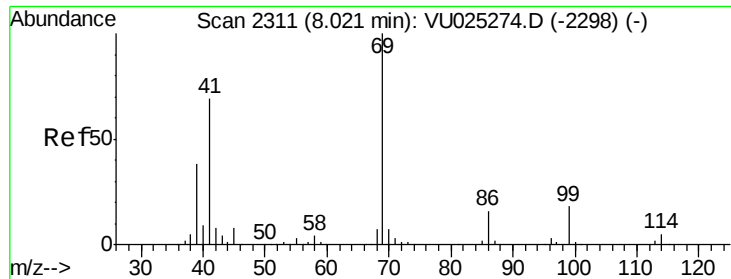
Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

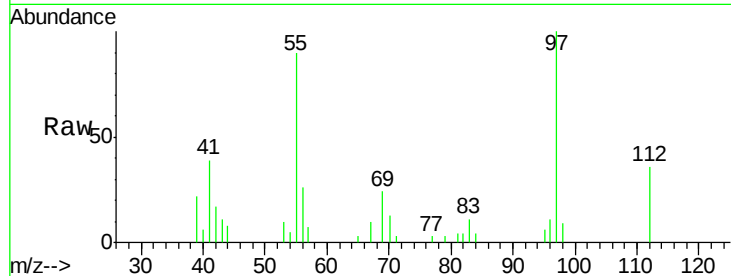




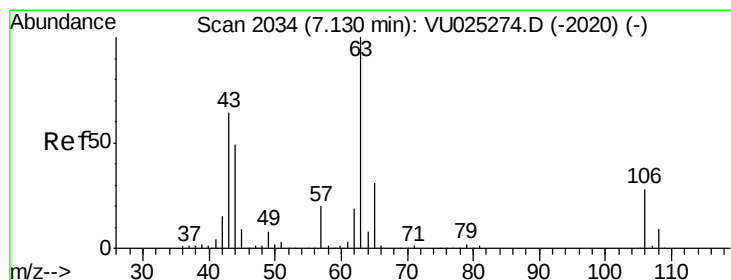
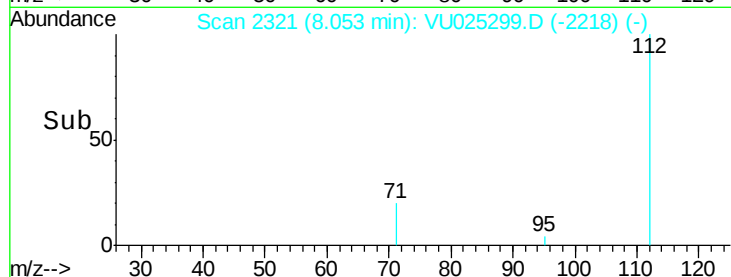
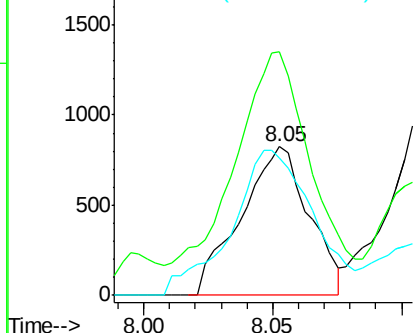
#56
Ethyl methacrylate
Concen: 0.37 ug/l
RT: 8.05 min Scan# 2321
Delta R.T. 0.03 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

Tot Ion: 69 Resp: 1513
Ion Ratio Lower Upper
69 100
41 156.2 54.8 82.2#
39 116.5 31.1 46.7#

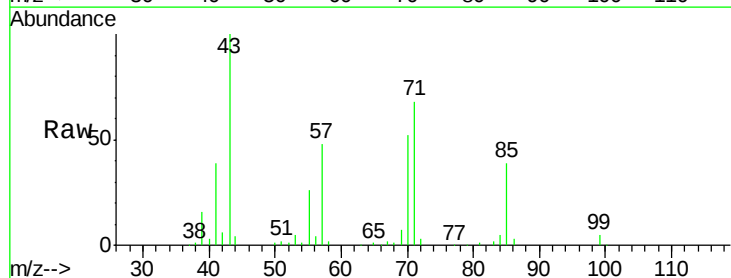


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

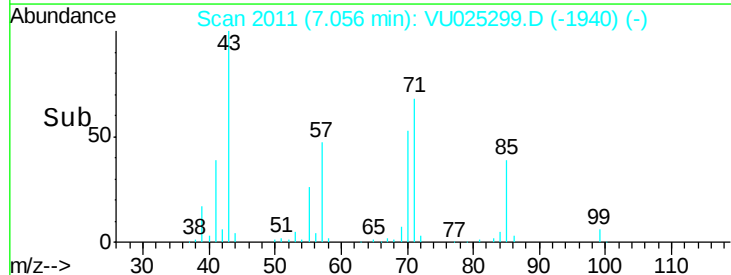
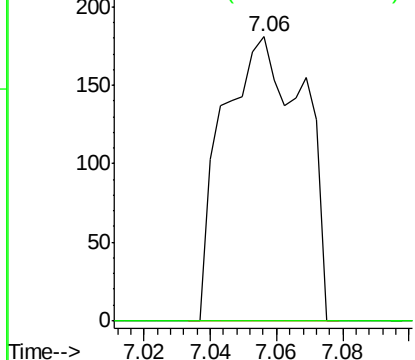


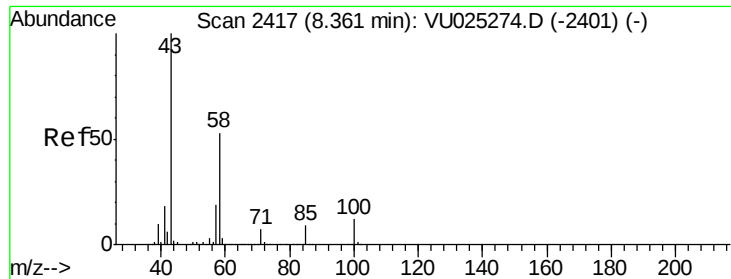
#58
2-Chloroethyl Vinyl ether
Concen: 11.30 ug/l
RT: 7.06 min Scan# 2011
Delta R.T. -0.07 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

Tgt Ion: 63 Resp: 307
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

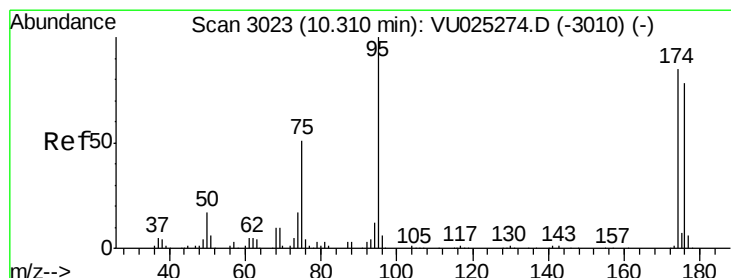
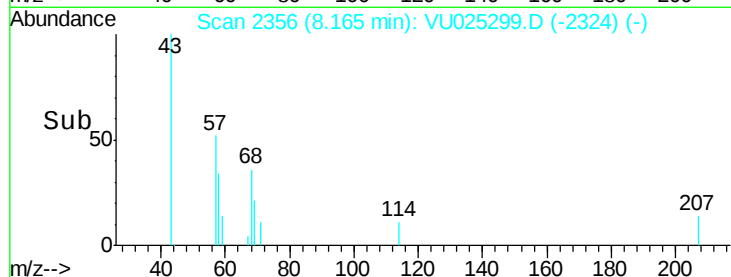
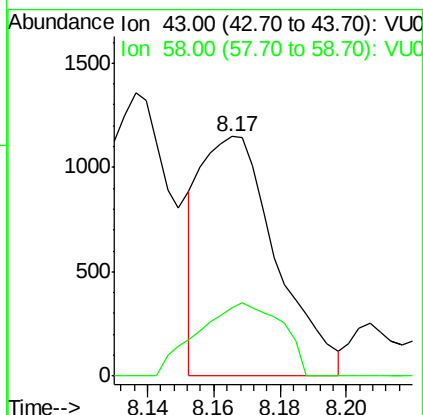
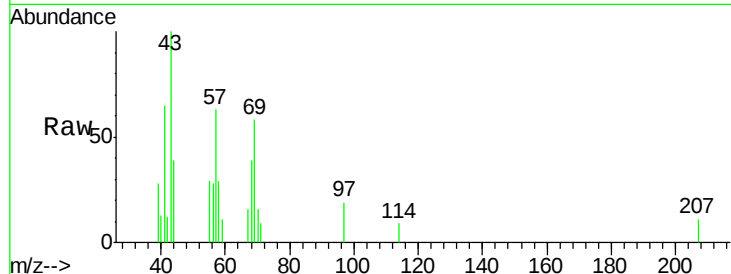




#59
2-Hexanone
Concen: 0.56 ug/l
RT: 8.17 min Scan# 2356
Delta R.T. -0.20 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

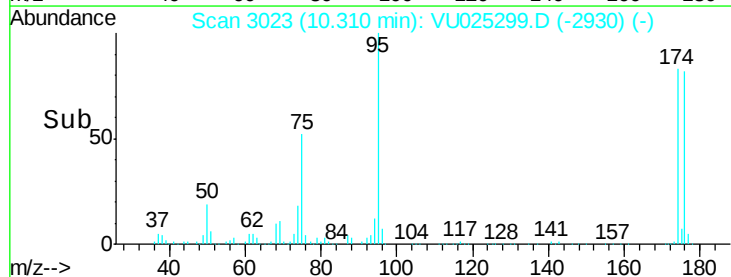
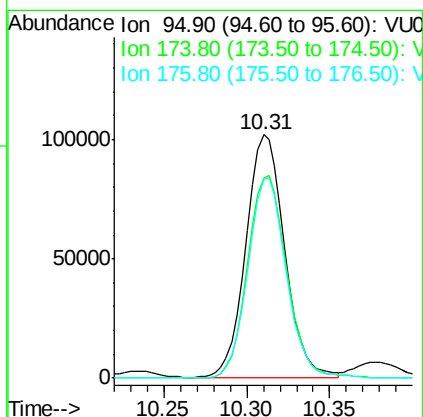
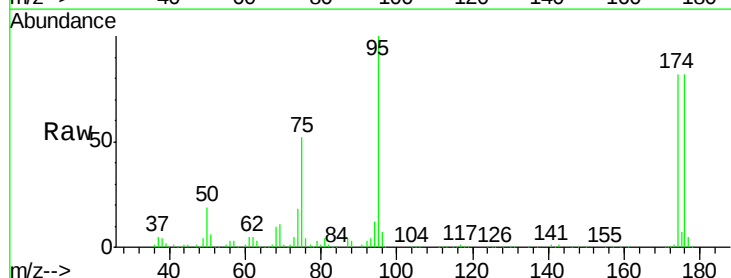
Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

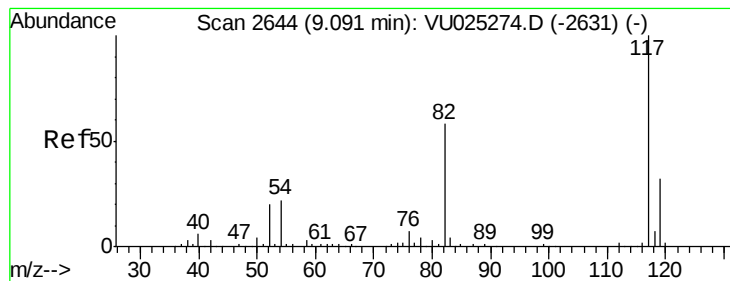
Tot Ion: 43 Resp: 1818
Ion Ratio Lower Upper
43 100
58 33.9 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 45.72 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

Tgt Ion: 95 Resp: 165953
Ion Ratio Lower Upper
95 100
174 84.9 0.0 172.2
176 82.4 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: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

SS038MW103-180705

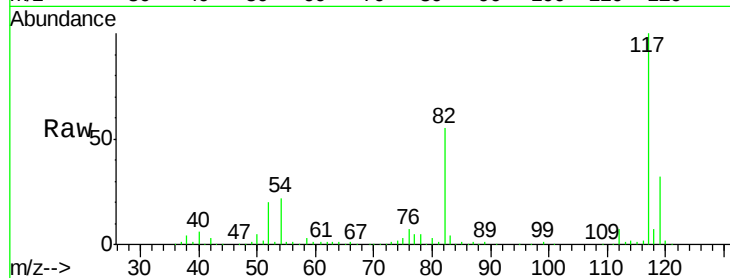
Tot Ion:117 Resp: 288637

Ion Ratio Lower Upper

117 100

82 55.3 46.0 69.0

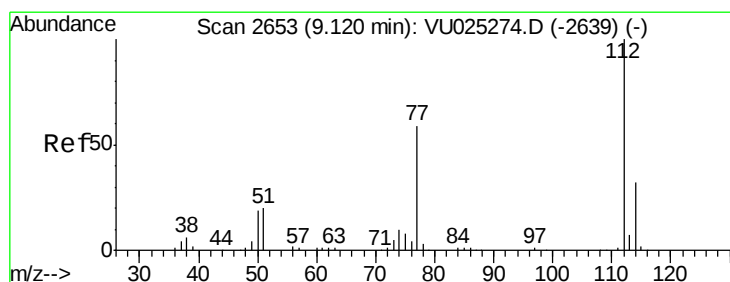
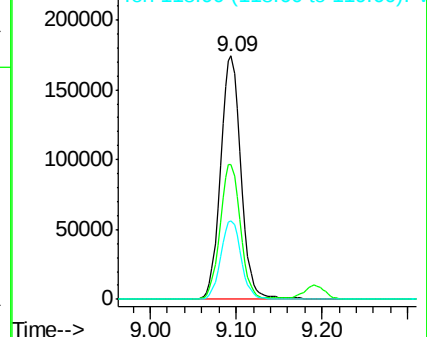
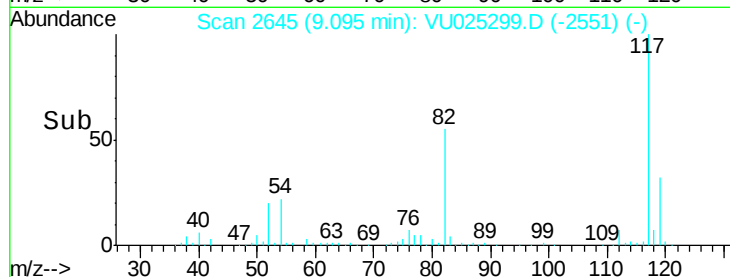
119 32.5 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 92.52 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025299.D

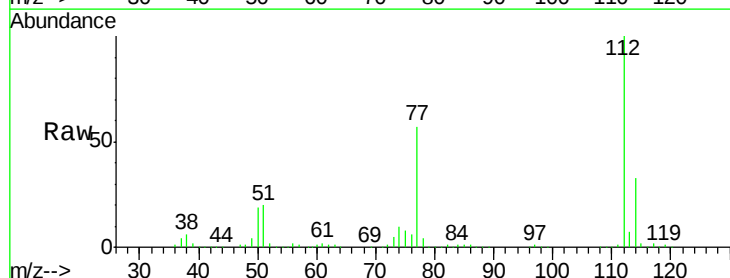
Acq: 10 Jul 2018 19:20

Tgt Ion:112 Resp: 667123

Ion Ratio Lower Upper

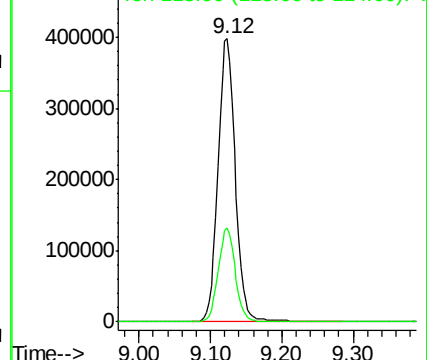
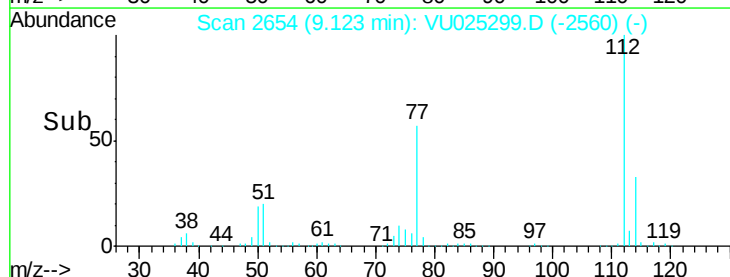
112 100

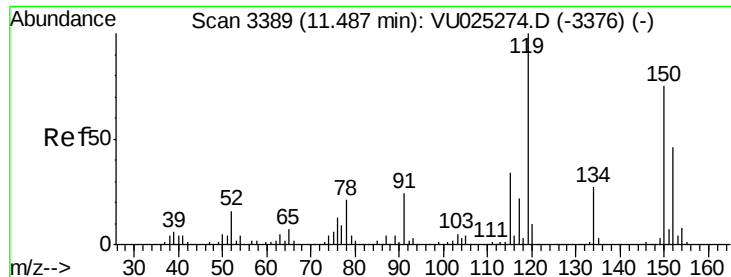
114 33.0 25.8 38.8



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: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

SS038MW103-180705

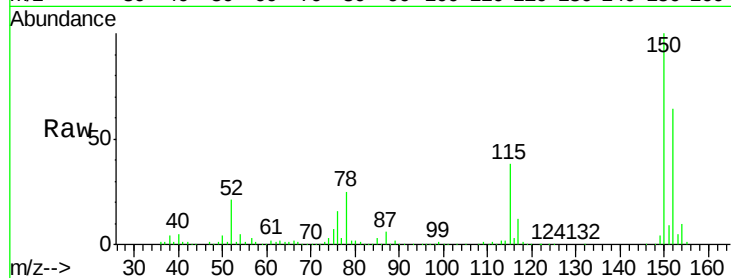
Tot Ion:152 Resp: 153711

Ion Ratio Lower Upper

152 100

115 58.2 40.1 120.3

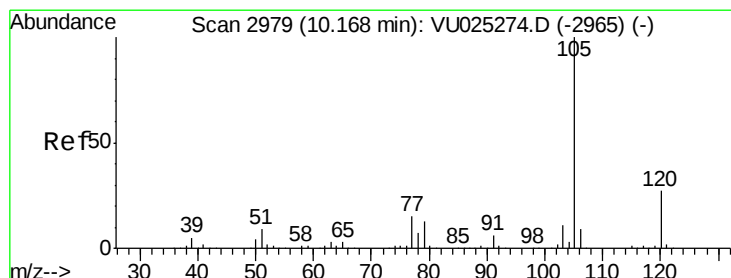
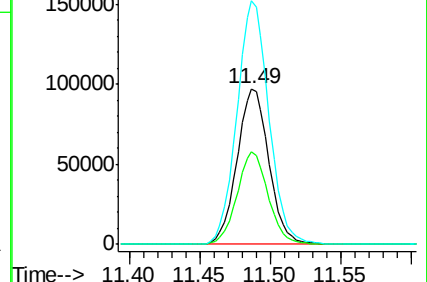
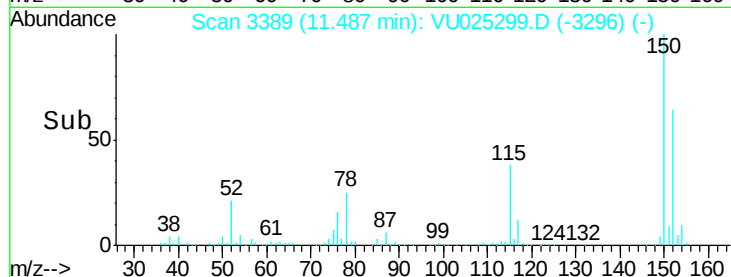
150 156.7 0.0 351.4



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: 0.38 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025299.D

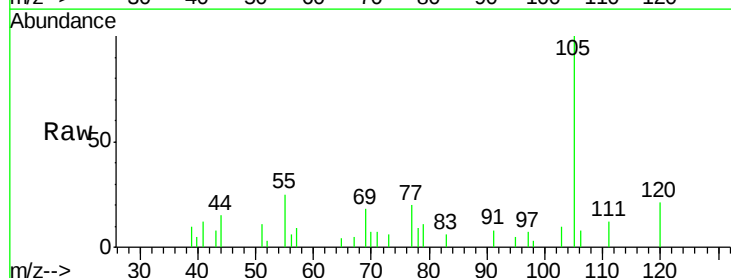
Acq: 10 Jul 2018 19:20

Tgt Ion:105 Resp: 4503

Ion Ratio Lower Upper

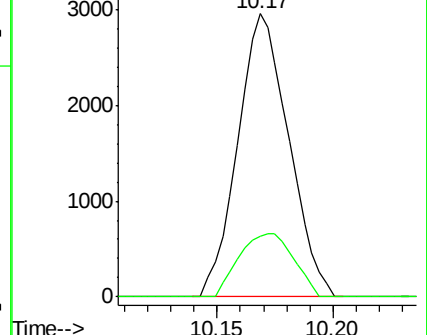
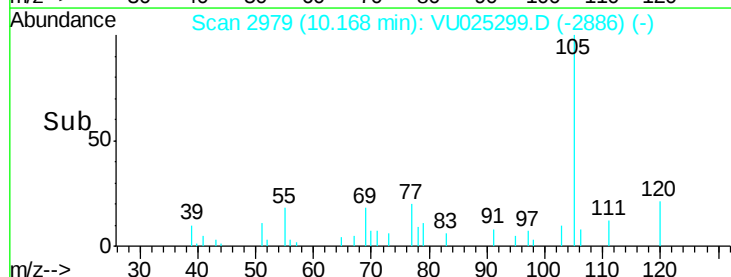
105 100

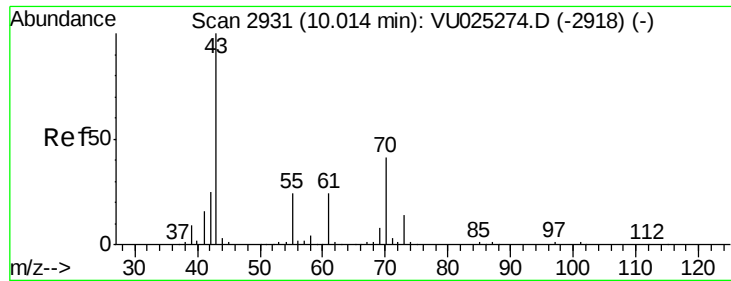
120 24.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.43 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

SS038MW103-180705

Tot Ion: 43 Resp: 804

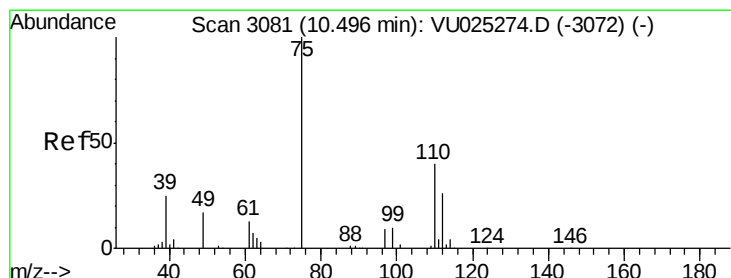
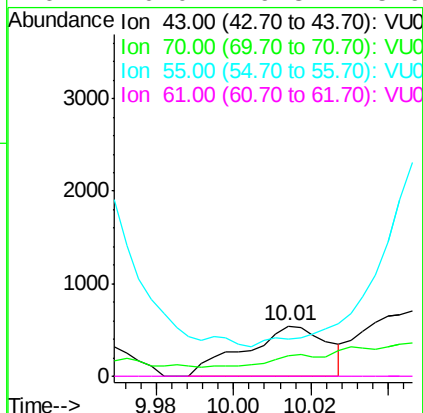
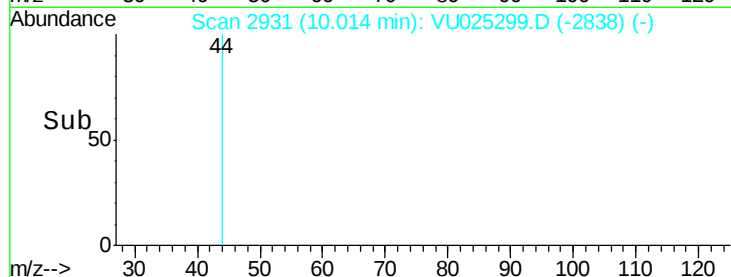
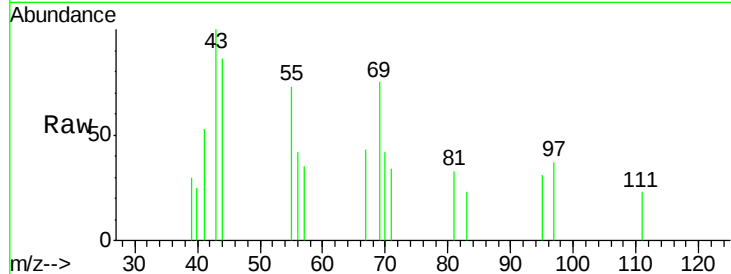
Ion Ratio Lower Upper

43 100

70 11.8 33.4 50.2#

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#



#76

1,2,3-Trichloropropane

Concen: 27.56 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025299.D

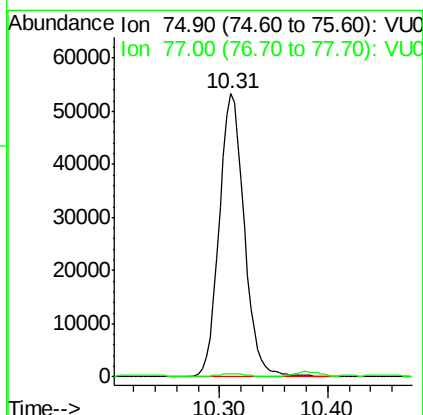
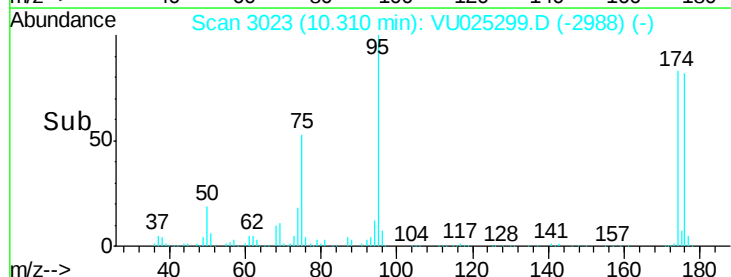
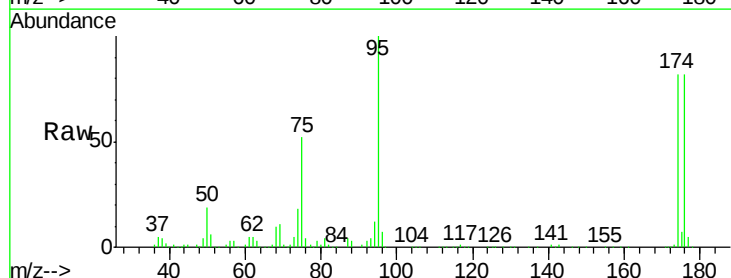
Acq: 10 Jul 2018 19:20

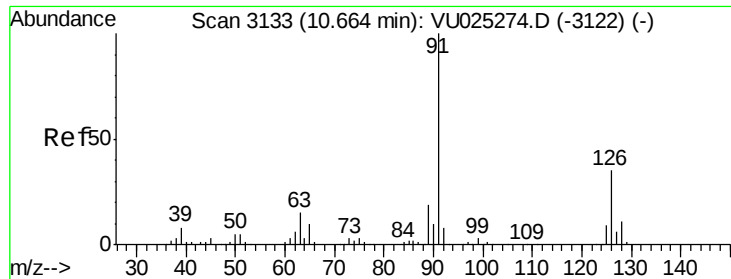
Tgt Ion: 75 Resp: 86162

Ion Ratio Lower Upper

75 100

77 1.4 20.4 61.3#





#79

2-Chlorotoluene

Concen: 0.24 ug/l

RT: 10.51 min Scan# 3084

Delta R.T. -0.16 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

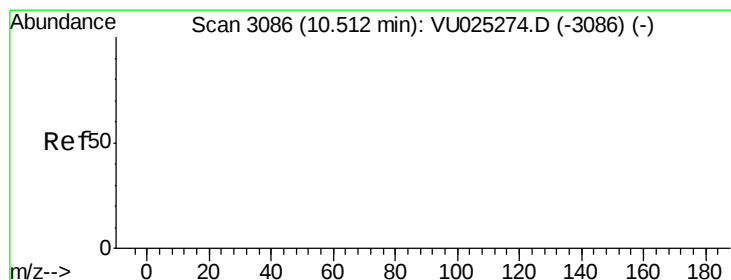
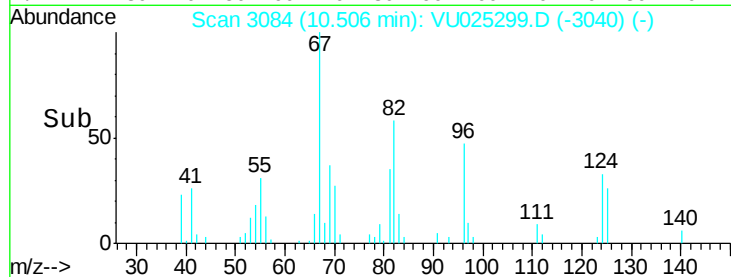
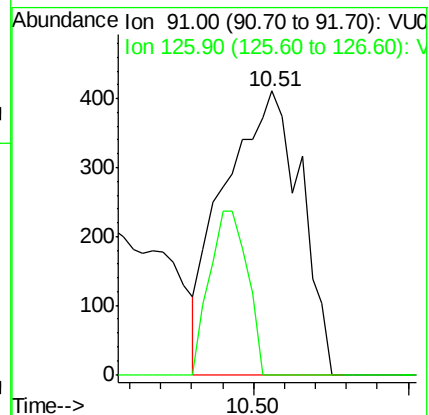
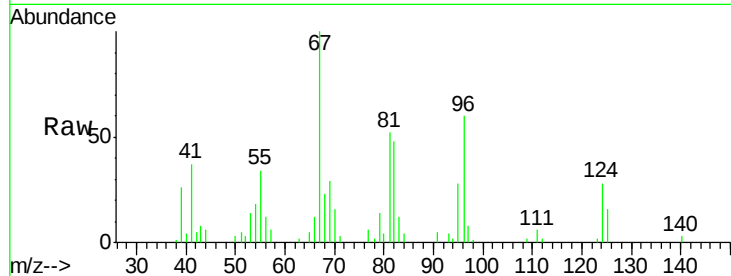
SS038MW103-180705

Tot Ion: 91 Resp: 705

Ion Ratio Lower Upper

91 100

126 28.4 17.5 52.6



#81

trans-1,4-Dichloro-2-butene

Concen: 70.36 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

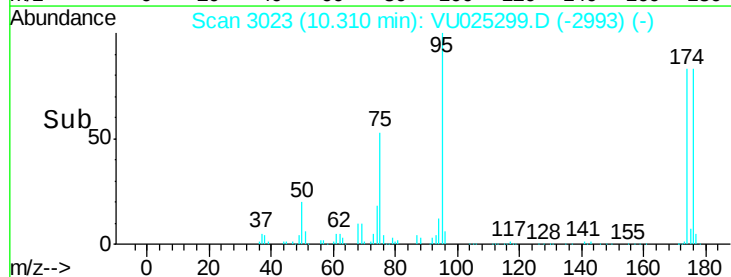
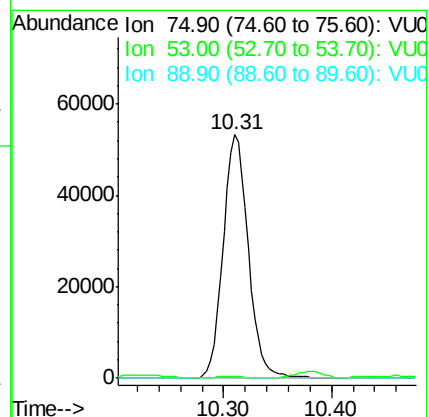
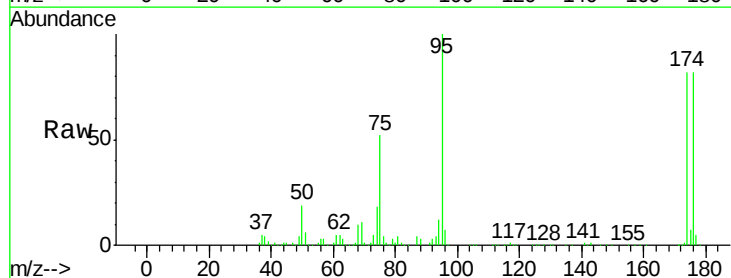
Tgt Ion: 75 Resp: 86162

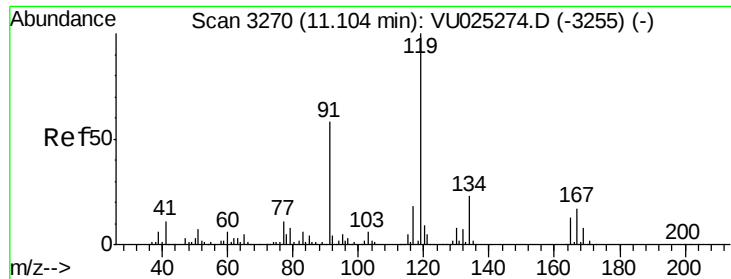
Ion Ratio Lower Upper

75 100

53 0.7 0.0 0.0#

89 0.0 0.0 0.0

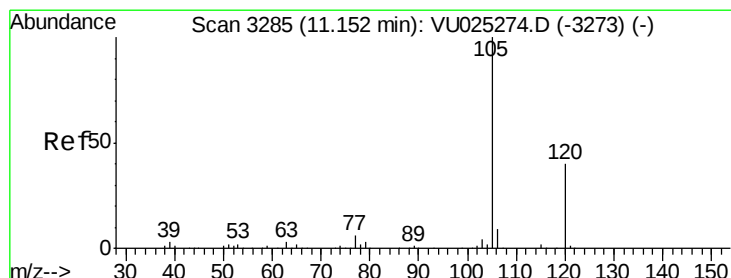
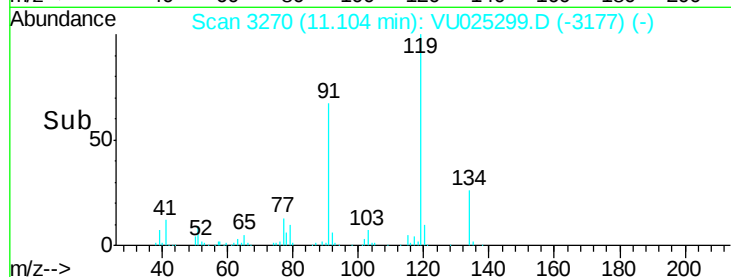
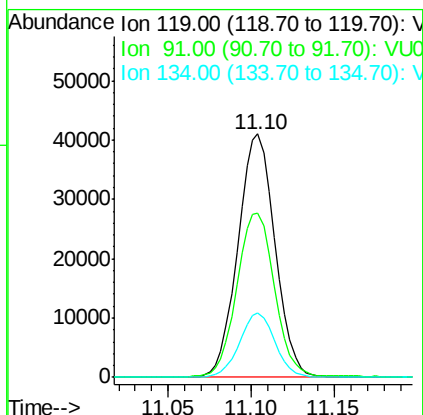
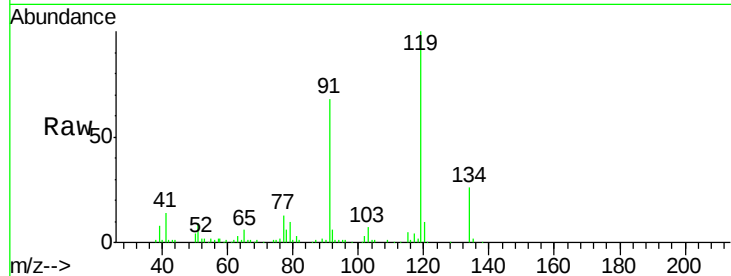




#83
tert-Butylbenzene
Concen: 6.38 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

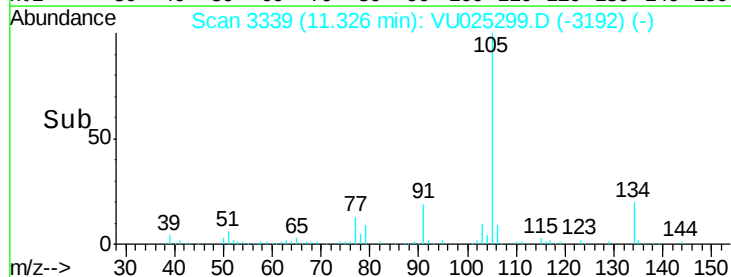
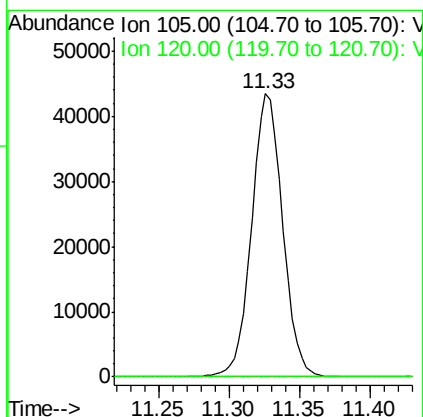
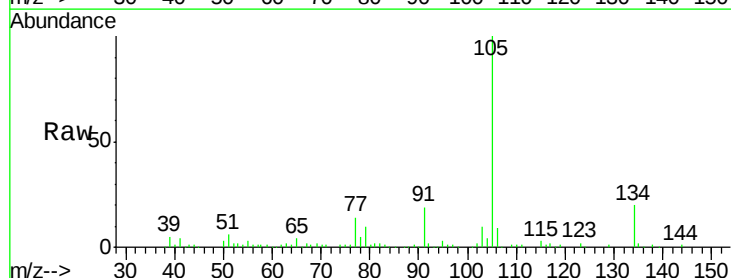
Instrument :
MSVOA_U
ClientSampleId :
SS038MW103-180705

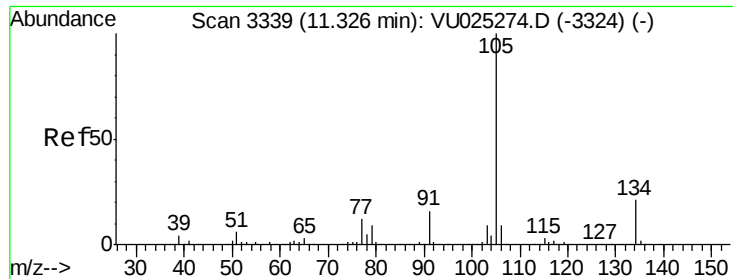
Tot Ion:119 Resp: 63664
Ion Ratio Lower Upper
119 100
91 69.8 29.7 89.1
134 25.2 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 6.62 ug/l
RT: 11.33 min Scan# 3339
Delta R.T. 0.17 min
Lab File: VU025299.D
Acq: 10 Jul 2018 19:20

Tgt Ion:105 Resp: 67023
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.8#

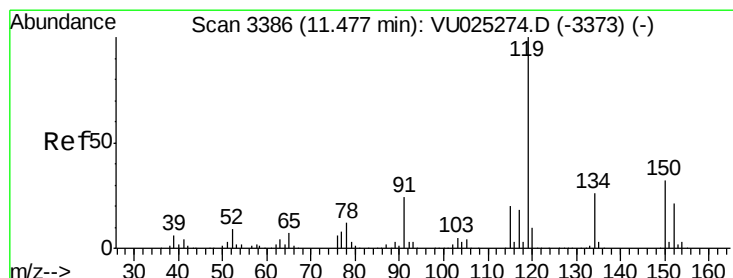
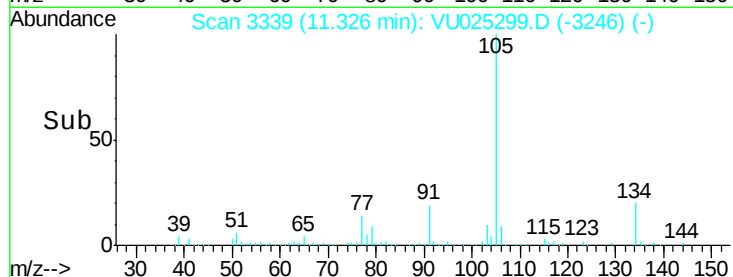
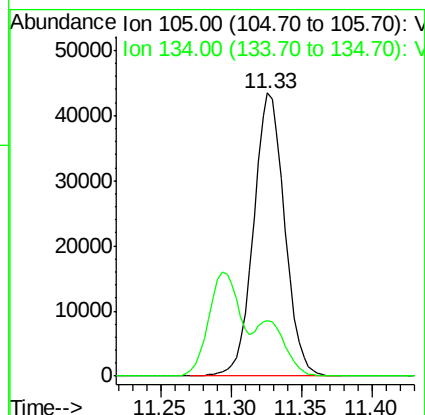
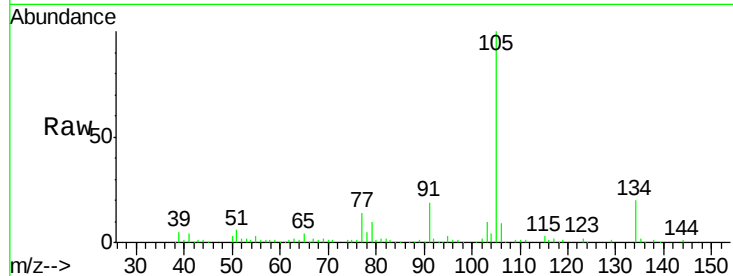




#85
 sec-Butylbenzene
 Concen: 5.70 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025299.D
 Acq: 10 Jul 2018 19:20

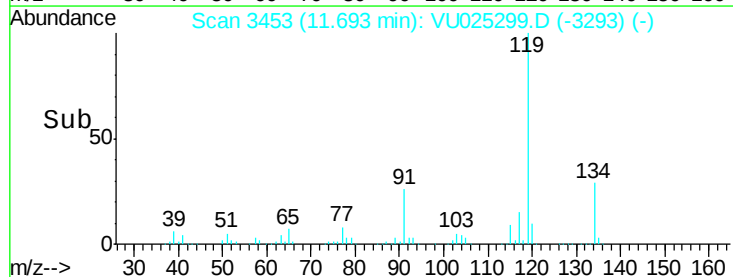
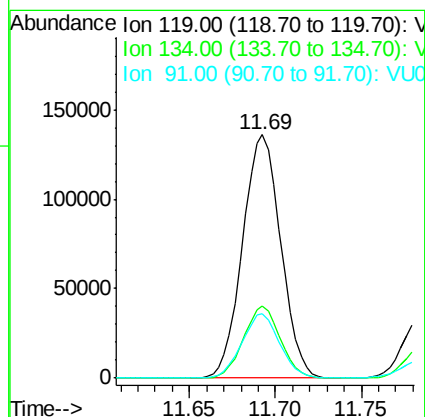
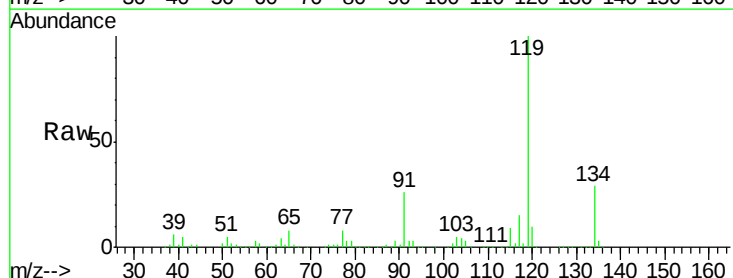
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW103-180705

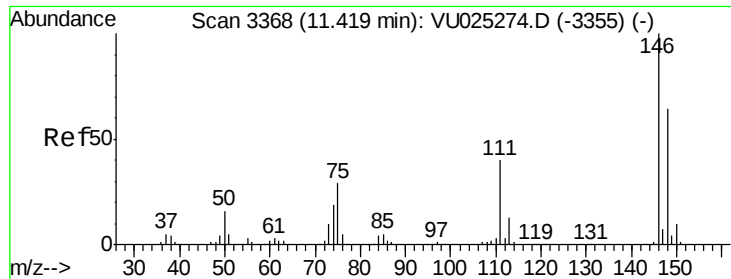
Tot Ion:105 Resp: 67023
 Ion Ratio Lower Upper
 105 100
 134 17.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.14 ug/l
 RT: 11.69 min Scan# 3453
 Delta R.T. 0.22 min
 Lab File: VU025299.D
 Acq: 10 Jul 2018 19:20

Tgt Ion:119 Resp: 209648
 Ion Ratio Lower Upper
 119 100
 134 28.3 13.2 39.5
 91 26.3 12.0 36.1

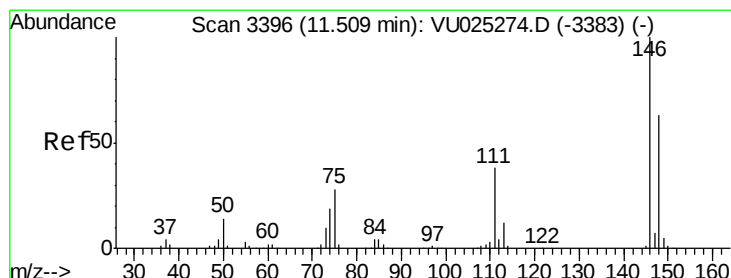
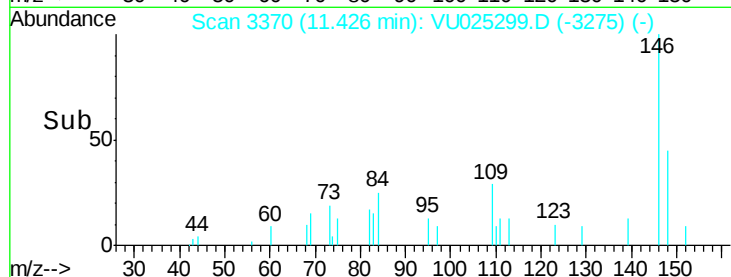
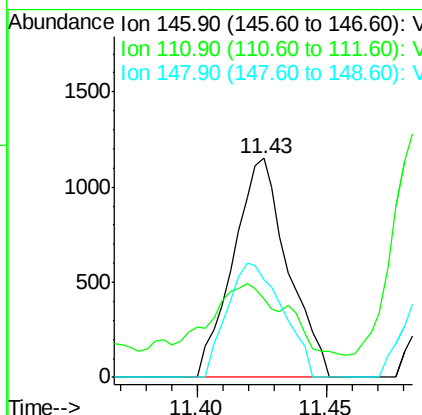
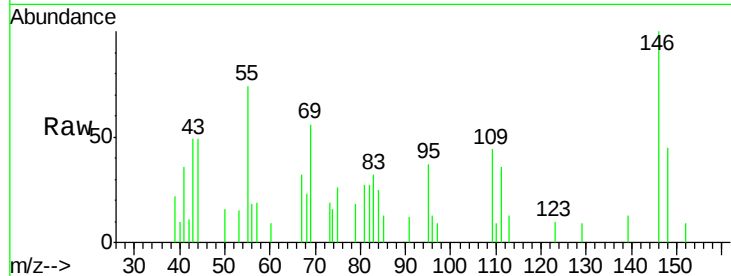




#87
 1,3-Dichlorobenzene
 Concen: 0.31 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: VU025299.D
 Acq: 10 Jul 2018 19:20

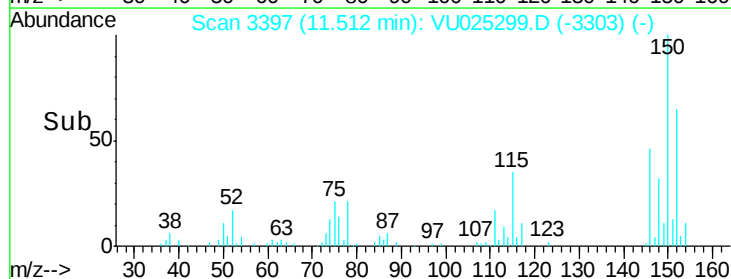
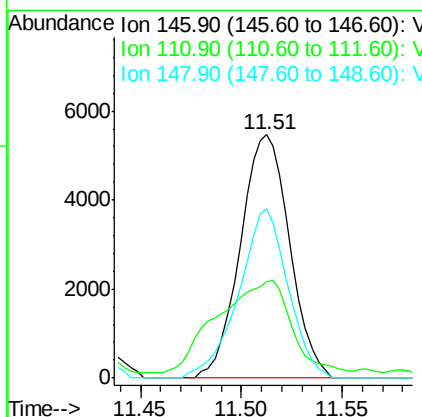
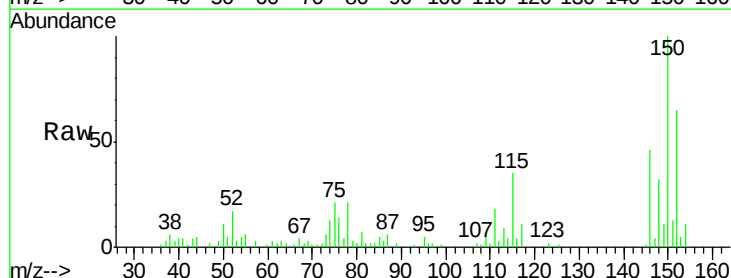
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW103-180705

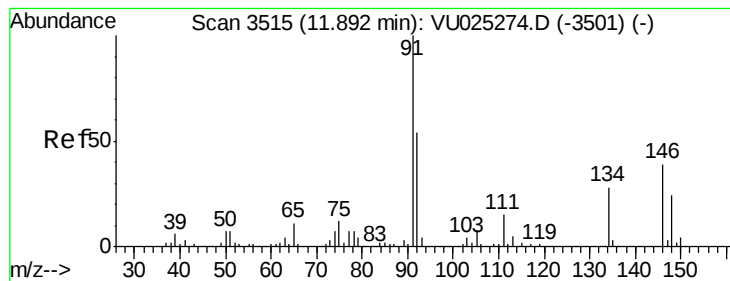
Tot Ion:146 Resp: 1701
 Ion Ratio Lower Upper
 146 100
 111 43.9 19.7 59.1
 148 52.8 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 3.18 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025299.D
 Acq: 10 Jul 2018 19:20

Tgt Ion:146 Resp: 9333
 Ion Ratio Lower Upper
 146 100
 111 56.3 19.4 58.1
 148 69.4 31.7 95.1





#89

n-Butylbenzene

Concen: 0.52 ug/l

RT: 11.87 min Scan# 3508

Delta R.T. -0.02 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

SS038MW103-180705

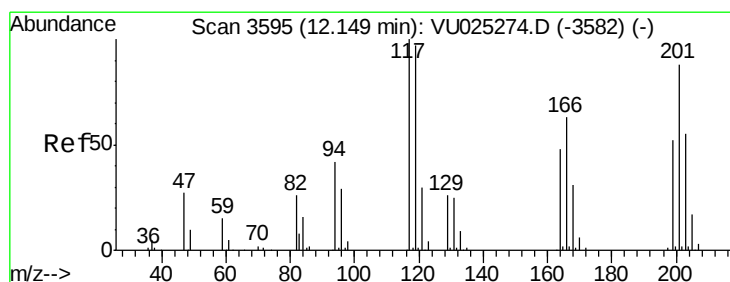
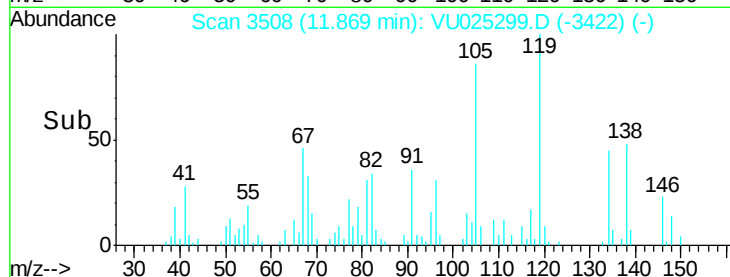
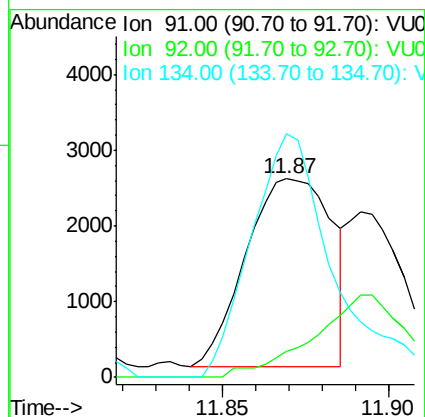
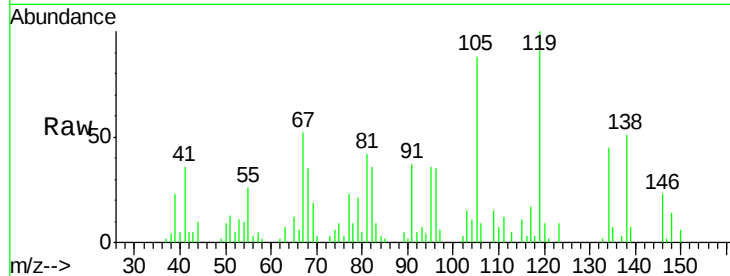
Tot Ion: 91 Resp: 4482

Ion Ratio Lower Upper

91 100

92 0.0 26.5 79.5#

134 122.9 13.6 40.7#



#90

Hexachloroethane

Concen: 3.22 ug/l

RT: 12.26 min Scan# 3628

Delta R.T. 0.11 min

Lab File: VU025299.D

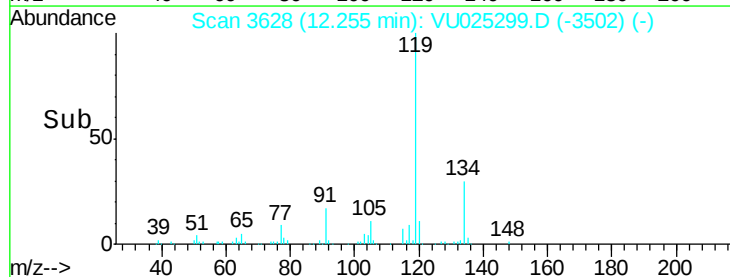
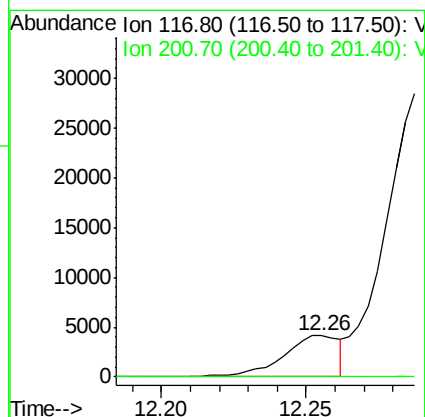
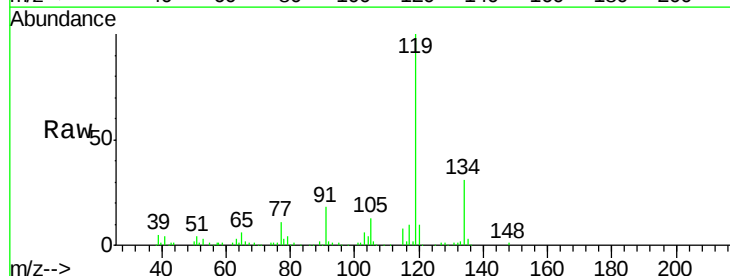
Acq: 10 Jul 2018 19:20

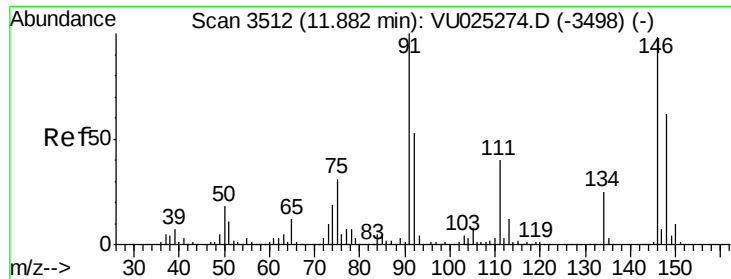
Tgt Ion: 117 Resp: 5678

Ion Ratio Lower Upper

117 100

201 0.0 42.5 127.6#





#91

1,2-Dichlorobenzene

Concen: 1.29 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

Instrument :

MSVOA_U

ClientSampleId :

SS038MW103-180705

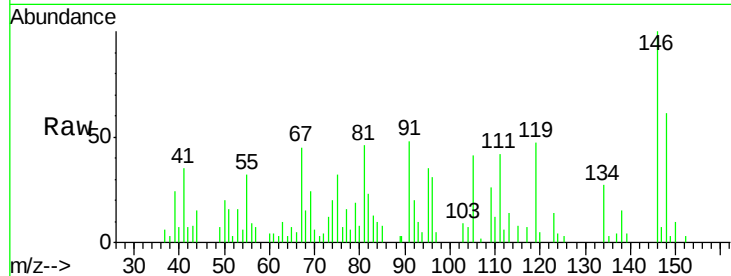
Tot Ion:146 Resp: 7174

Ion Ratio Lower Upper

146 100

111 45.1 20.6 61.8

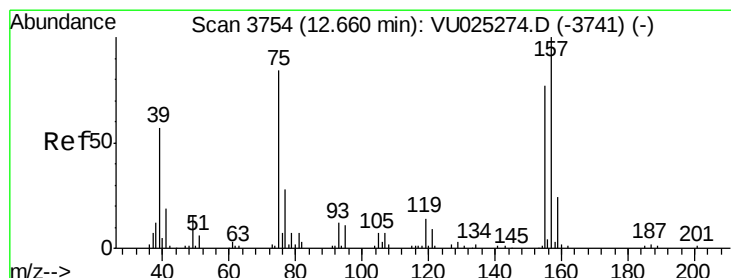
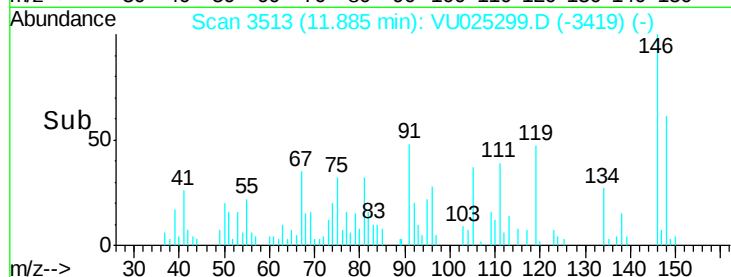
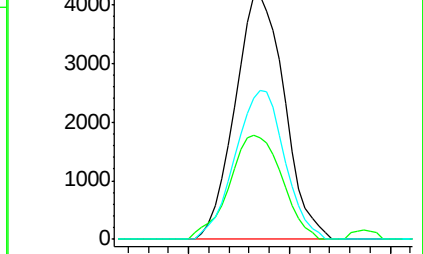
148 60.6 31.5 94.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.83 ug/l

RT: 12.65 min Scan# 3752

Delta R.T. -0.01 min

Lab File: VU025299.D

Acq: 10 Jul 2018 19:20

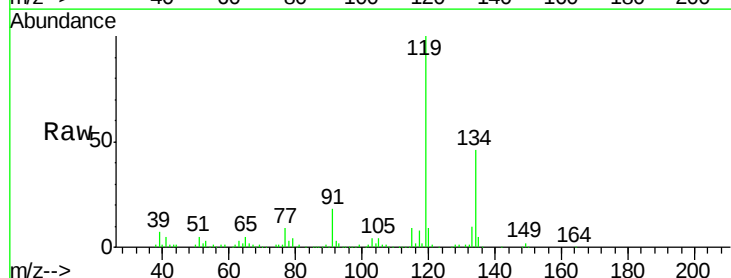
Tgt Ion: 75 Resp: 778

Ion Ratio Lower Upper

75 100

155 0.0 44.5 133.3#

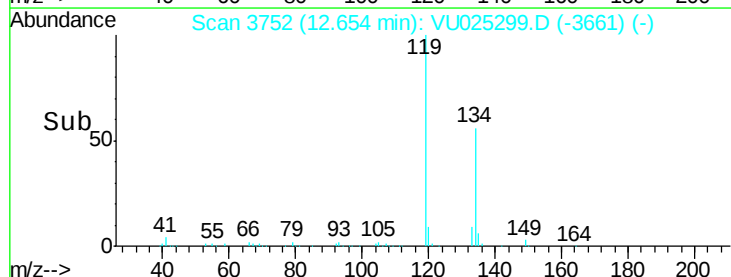
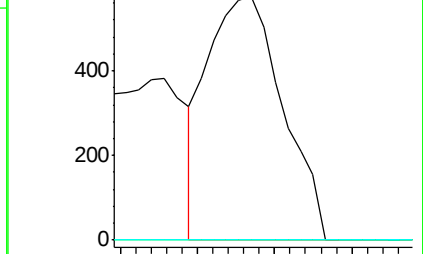
157 0.0 57.0 170.8#

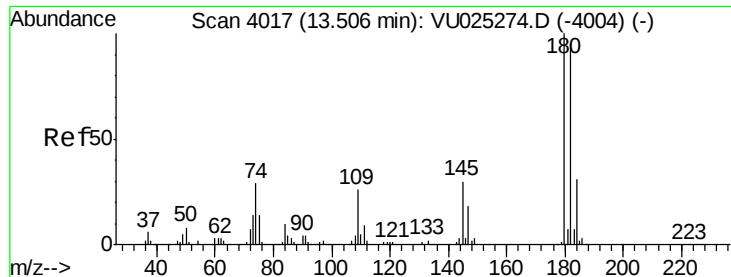


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

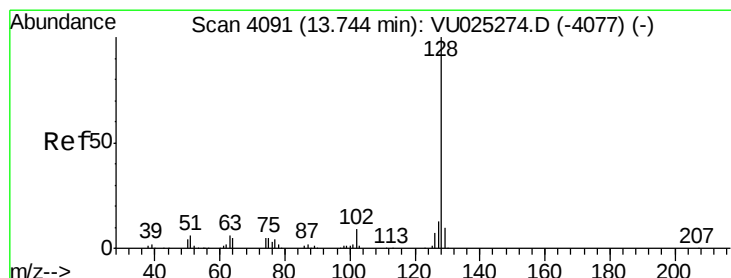
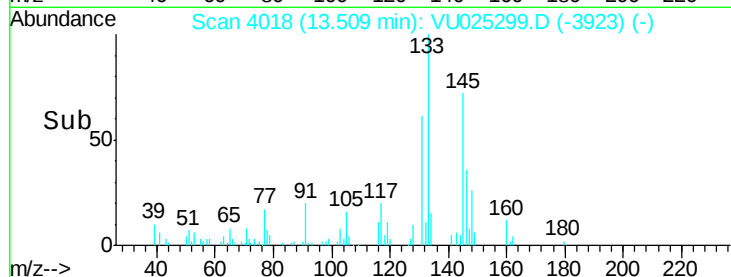
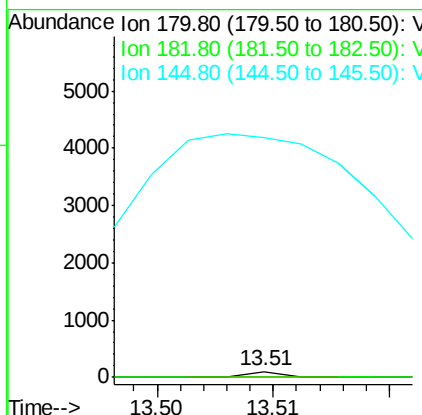
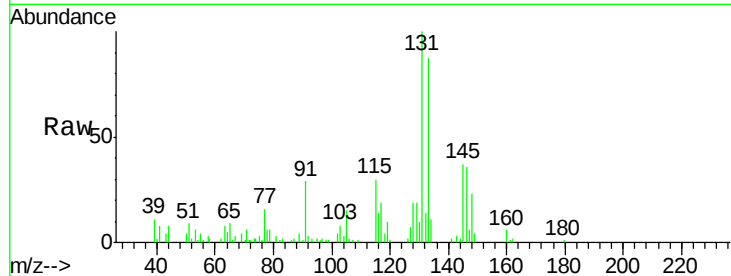




#93
 1,2,4-Trichlorobenzene
 Concen: 3.29 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025299.D
 Acq: 10 Jul 2018 19:20

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW103-180705

Tot Ion:180 Resp: 20
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.9#
 145 35440.0 14.9 44.7#



#95
 Naphthalene
 Concen: 2.75 ug/l
 RT: 13.73 min Scan# 4088
 Delta R.T. -0.01 min
 Lab File: VU025299.D
 Acq: 10 Jul 2018 19:20

Tgt Ion:128 Resp: 4030
 Ion Ratio Lower Upper
 128 100
 127 24.8 10.5 15.7#
 129 62.4 8.3 12.5#

