

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071018\
 Data File : VU025295.D
 Acq On : 10 Jul 2018 17:42
 Operator : MD/SY
 Sample : J3898-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW050-180704

Quant Time: Jul 11 02:03:43 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	205266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	312053	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	286671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156957	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	156152	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
35) Dibromofluoromethane	4.89	113	120669	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
50) Toluene-d8	7.57	98	454863	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	10.31	95	166385	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	824	0.95	ug/l	98
5) Bromomethane	1.63	94	520	Below Cal	#	53
6) Chloroethane	1.69	64	40	0.32	ug/l	43
10) Methyl Iodide	2.43	142	222	7.78	ug/l	39
11) Tert butyl alcohol	2.83	59	2769	3.98	ug/l	73
13) Acrolein	2.31	56	2584	5.61	ug/l	85
14) Allyl chloride	2.71	41	58332	15.46	ug/l	57
15) Acrylonitrile	3.00	53	496	0.35	ug/l	23
16) Acetone	2.31	43	8084	9.74	ug/l	59
17) Carbon Disulfide	2.48	76	1301	2.14	ug/l	74
18) Methyl Acetate	2.71	43	138870	42.53	ug/l	52
20) Methylene Chloride	2.70	84	498	0.89	ug/l	1
25) 2-Butanone	4.23	43	14498	6.56	ug/l	49
31) Cyclohexane	4.99	56	6731	2.39	ug/l	49
36) 1,1-Dichloropropene	4.99	75	14701	4.24	ug/l	51
37) Ethyl Acetate	4.23	43	14498	3.75	ug/l	71
38) Carbon Tetrachloride	4.99	117	19764	5.29	ug/l	16
39) Methylcyclohexane	6.40	83	30585	7.07	ug/l	29
40) Benzene	5.40	78	2244	0.22	ug/l	89
41) Methacrylonitrile	4.74	41	6626	3.09	ug/l	50
43) Isopropyl Acetate	5.54	43	189168	30.53	ug/l	61
47) Bromodichloromethane	6.74	83	3271	0.92	ug/l	78
48) Methyl methacrylate	6.59	41	36763	11.90	ug/l	33
51) 4-Methyl-2-Pentanone	7.53	43	12576	3.12	ug/l	77
55) 1,1,2-Trichloroethane	8.05	97	12486	4.71	ug/l	19
56) Ethyl methacrylate	8.05	69	2676	0.65	ug/l	1
58) 2-Chloroethyl Vinyl ether	7.05	63	1971	12.05	ug/l	47
59) 2-Hexanone	8.33	43	4118	1.26	ug/l	26
65) Chlorobenzene	9.12	112	135725	18.95	ug/l	98
73) Isopropylbenzene	10.17	105	41492	3.46	ug/l	99
74) N-amyl acetate	10.07	43	3601	1.98	ug/l	1
76) 1,2,3-Trichloropropane	10.31	75	86221	27.02	ug/l	36
78) n-propylbenzene	10.59	91	4124	0.31	ug/l	91
79) 2-Chlorotoluene	10.50	91	2005	0.41	ug/l	82

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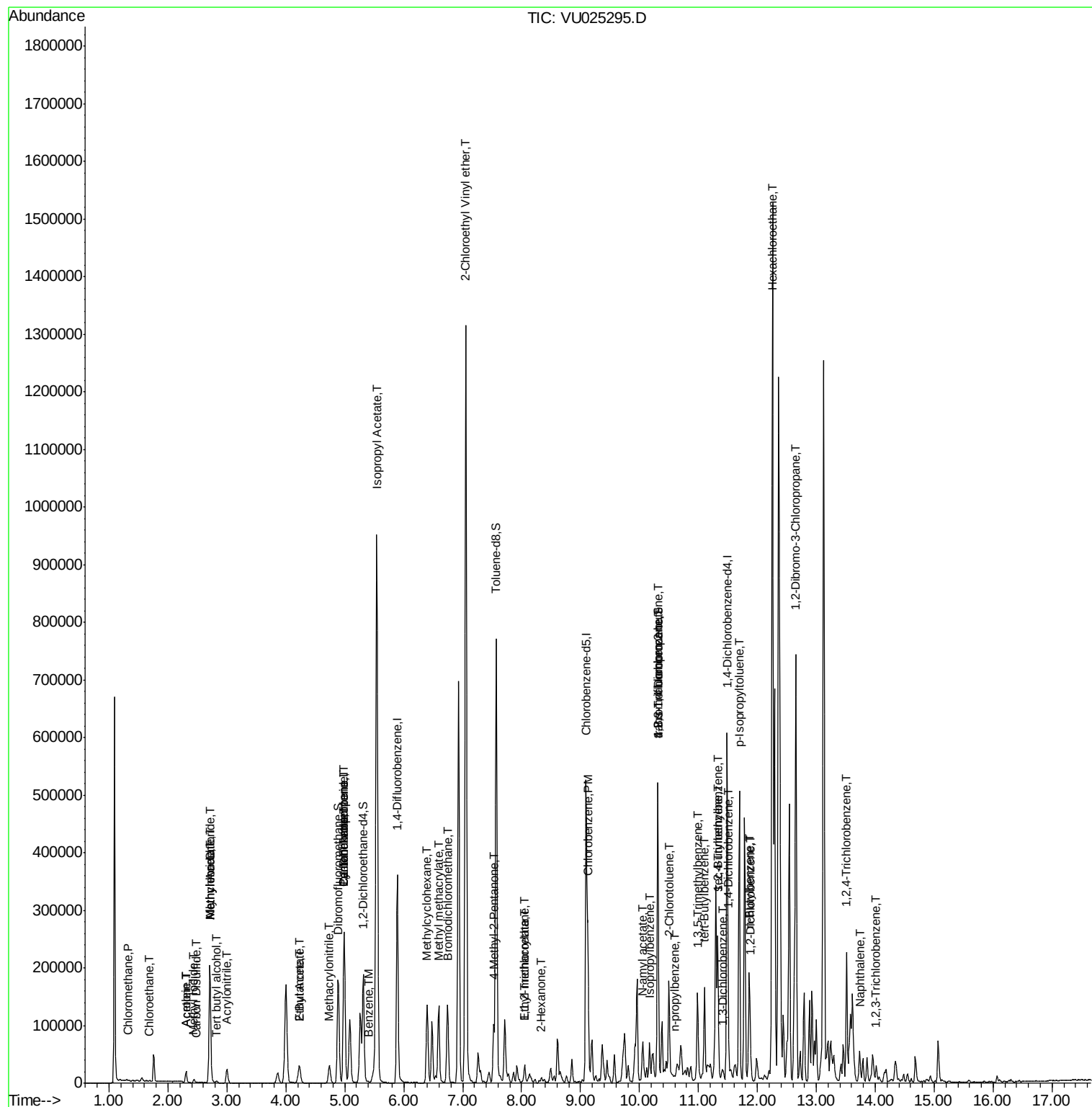
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	10.98	105	2272	0.23	ug/l	77
81) trans-1,4-Dichloro-2-buten	10.31	75	86221	68.95	ug/l #	100
83) tert-Butylbenzene	11.10	119	72250	7.09	ug/l	91
84) 1,2,4-Trimethylbenzene	11.33	105	153520	14.84	ug/l #	32
85) sec-Butylbenzene	11.33	105	153520	12.79	ug/l	95
86) p-Isopropyltoluene	11.69	119	279111	26.25	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	4058	0.72	ug/l	94
88) 1,4-Dichlorobenzene	11.51	146	8864	3.06	ug/l	88
89) n-Butylbenzene	11.87	91	11546	1.32	ug/l #	17
90) Hexachloroethane	12.26	117	72317	40.17	ug/l #	7
91) 1,2-Dichlorobenzene	11.88	146	2367	0.42	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	12.65	75	3530	3.71	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.51	180	180	3.33	ug/l #	1
95) Naphthalene	13.74	128	7218	3.01	ug/l #	32
96) 1,2,3-Trichlorobenzene	13.99	180	123	2.56	ug/l #	42

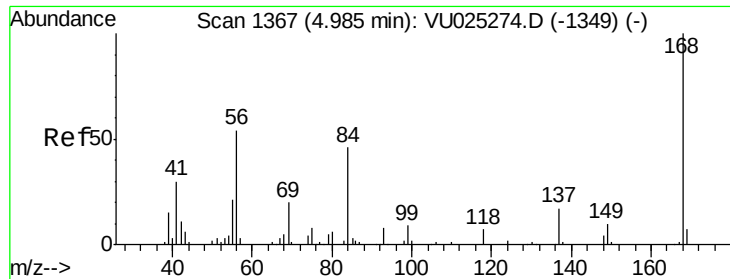
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

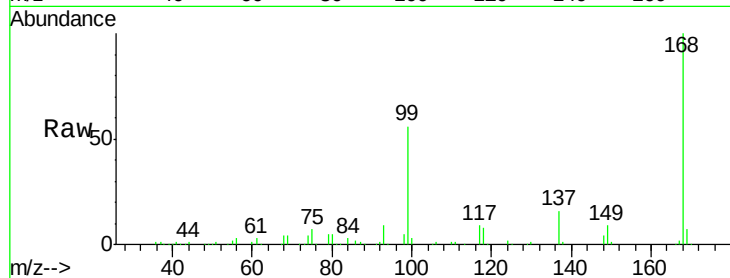
SS038MW050-180704

Tot Ion:168 Resp: 205266

Ion Ratio Lower Upper

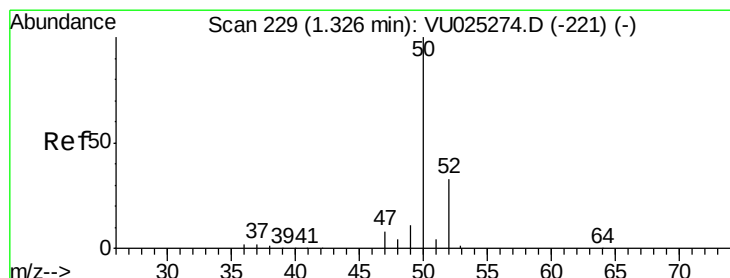
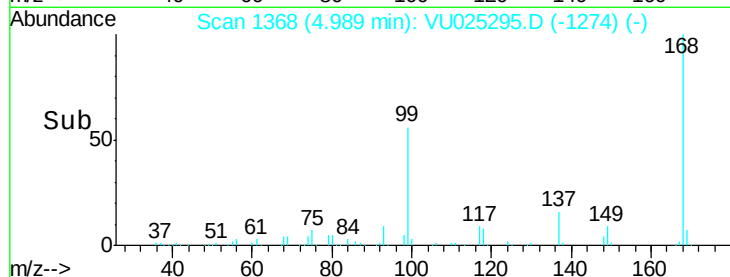
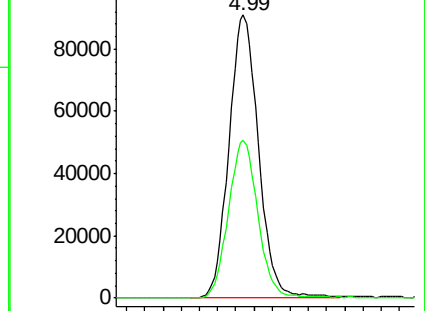
168 100

99 56.0 42.8 64.2



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

Ion 98.90 (98.60 to 99.60): VU025295.D (-1274) (-)



#3

Chloromethane

Concen: 0.95 ug/l

RT: 1.34 min Scan# 232

Delta R.T. 0.01 min

Lab File: VU025295.D

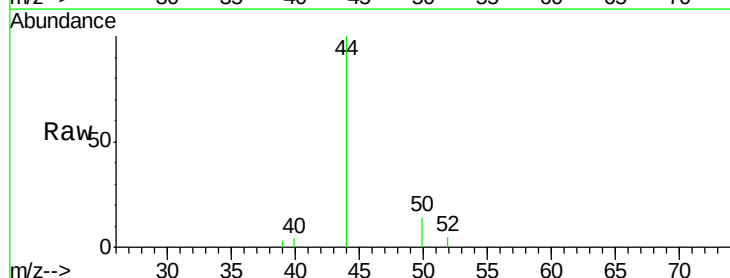
Acq: 10 Jul 2018 17:42

Tgt Ion: 50 Resp: 824

Ion Ratio Lower Upper

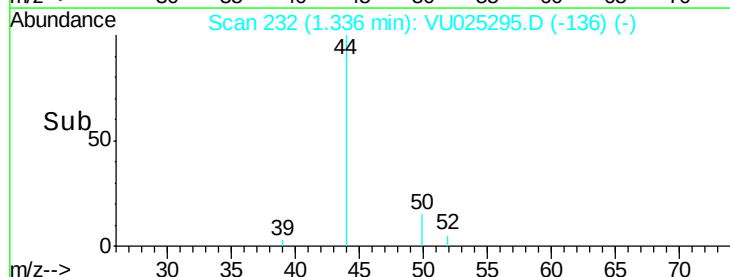
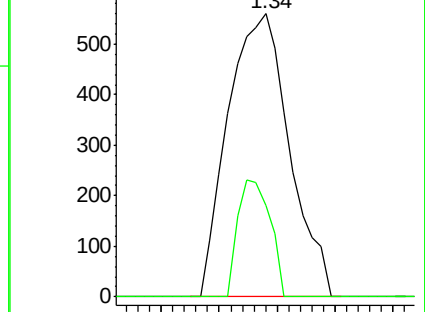
50 100

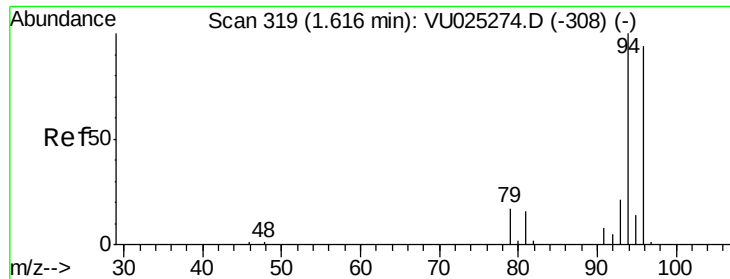
52 32.1 26.5 39.7



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

Ion 51.90 (51.60 to 52.60): VU025295.D (-136) (-)





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 325

Delta R.T. 0.02 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

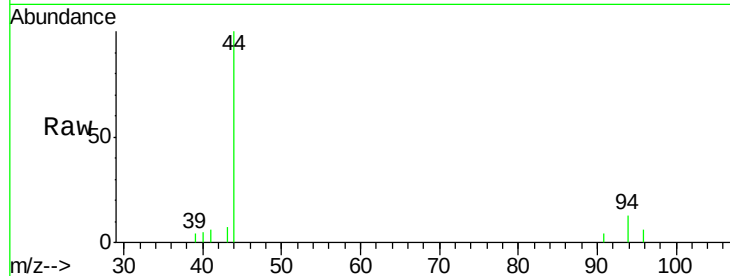
SS038MW050-180704

Tot Ion: 94 Resp: 520

Ion Ratio Lower Upper

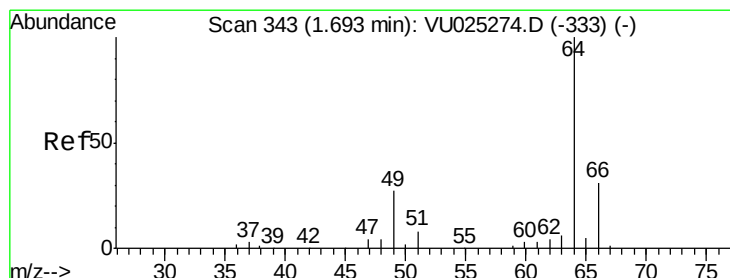
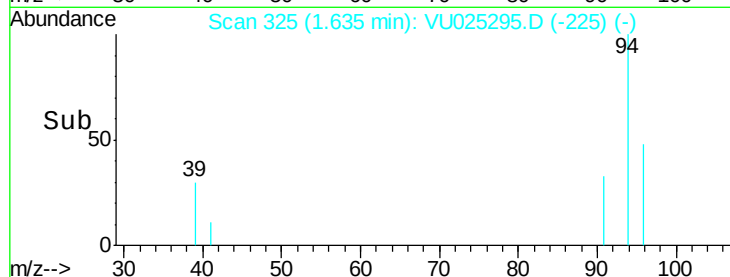
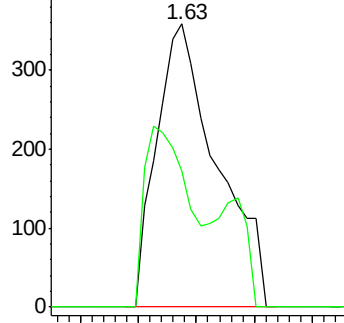
94 100

96 48.0 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 0.32 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025295.D

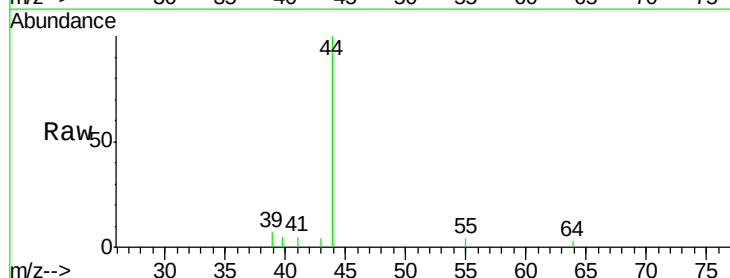
Acq: 10 Jul 2018 17:42

Tgt Ion: 64 Resp: 40

Ion Ratio Lower Upper

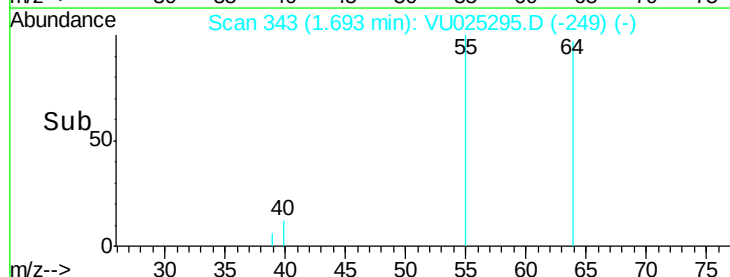
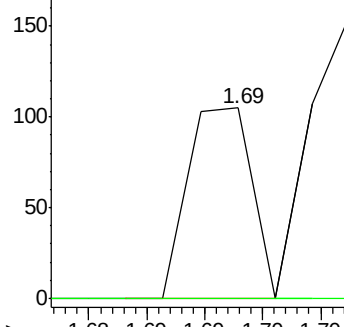
64 100

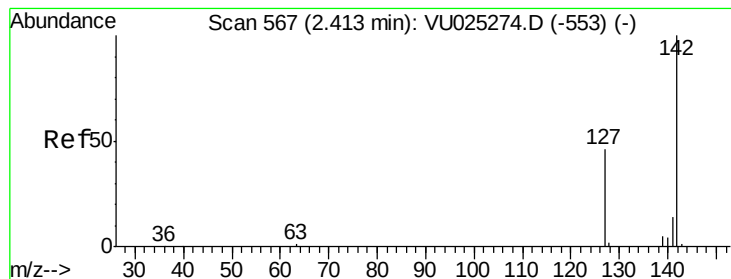
66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

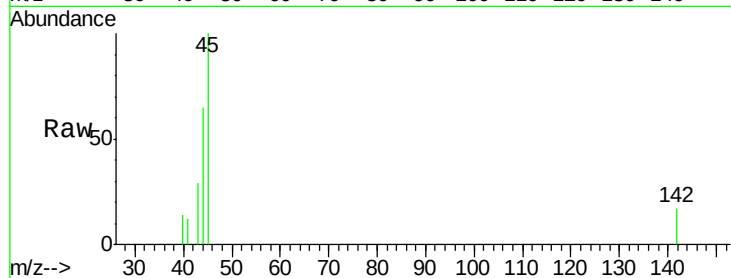




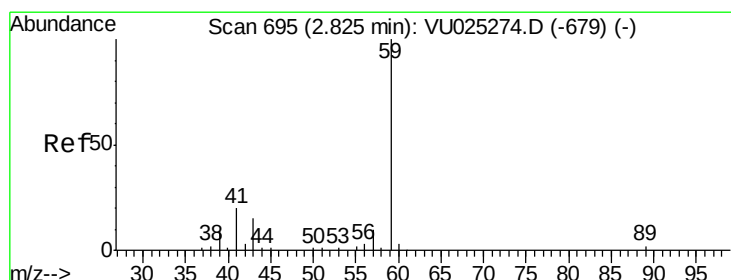
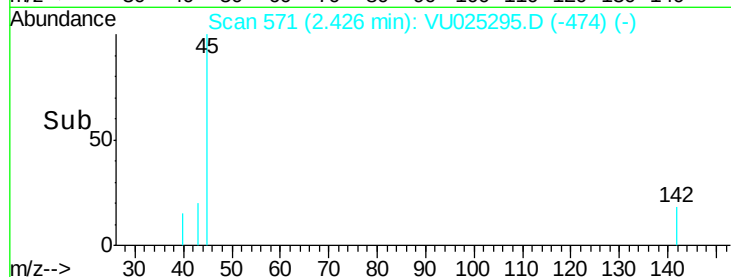
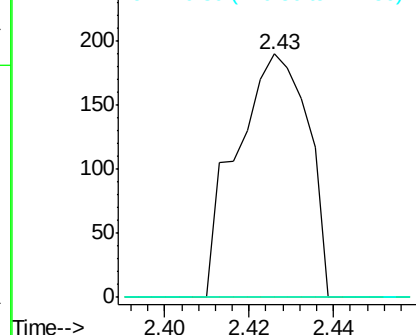
#10
Methvl Iodide
Concen: 7.78 ug/l
RT: 2.43 min Scan# 571
Delta R.T. 0.01 min
Lab File: VU025295.D
Acq: 10 Jul 2018 17:42

Instrument :
MSVOA_U
ClientSampleId :
SS038MW050-180704

Tot Ion:142 Resp: 222
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 11.4 17.2#

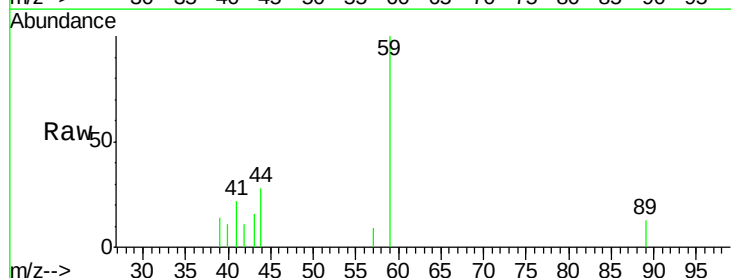


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

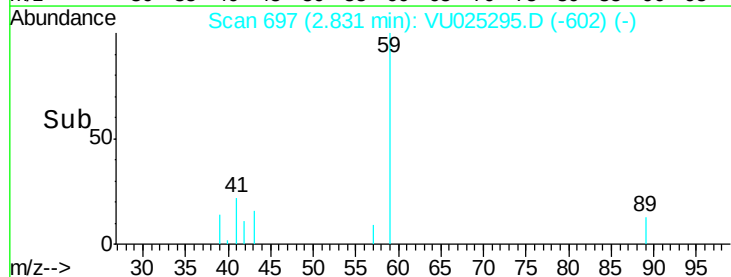
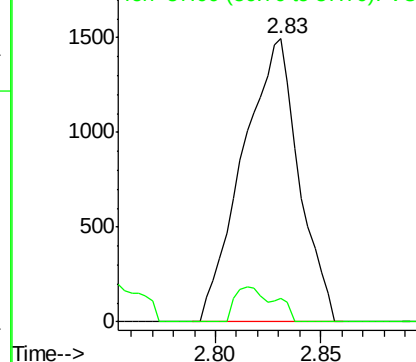


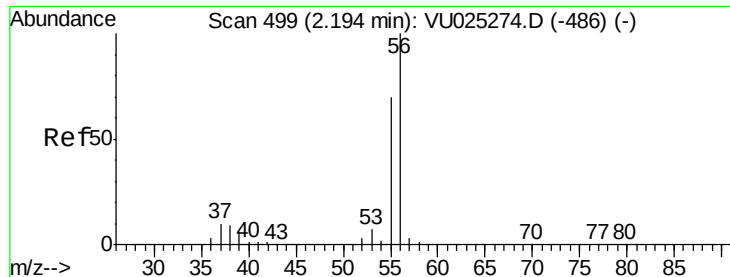
#11
Tert butyl alcohol
Concen: 3.98 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU025295.D
Acq: 10 Jul 2018 17:42

Tgt Ion: 59 Resp: 2769
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

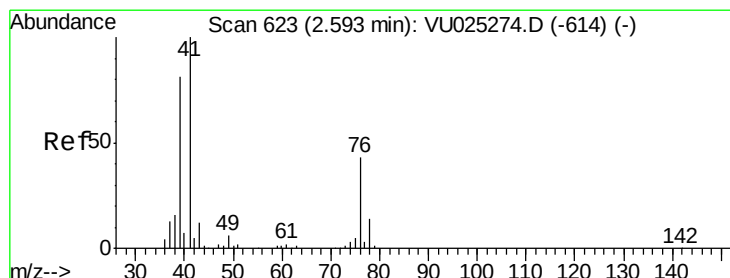
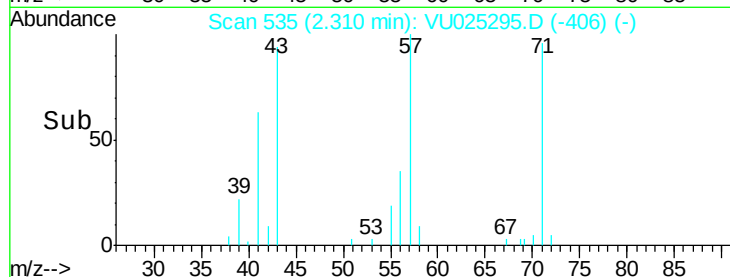
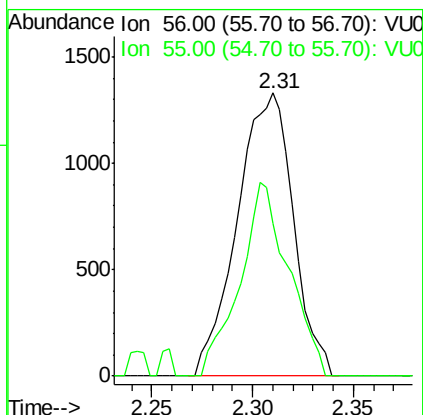
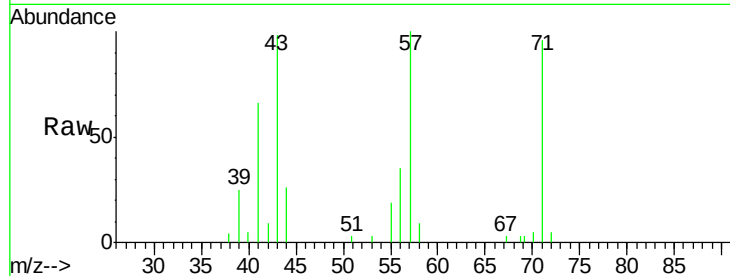




#13
 Acrolein
 Concen: 5.61 ug/l
 RT: 2.31 min Scan# 535
 Delta R.T. 0.12 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

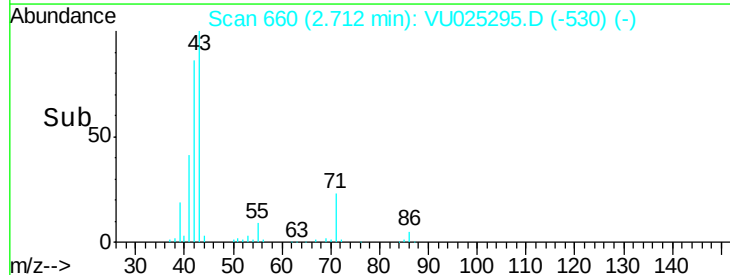
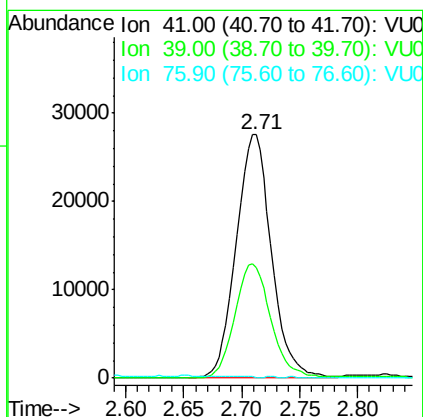
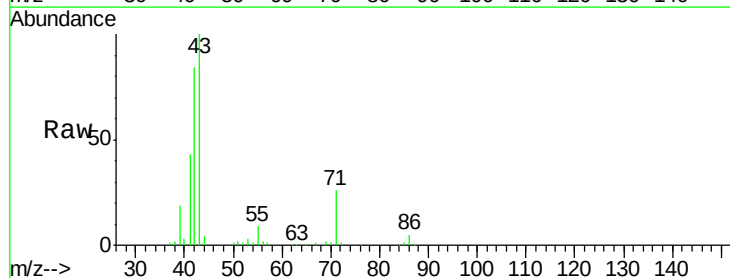
Instrument :
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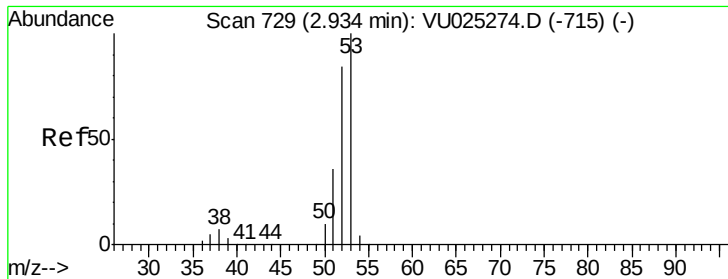
Tot Ion: 56 Resp: 2584
 Ion Ratio Lower Upper
 56 100
 55 59.3 57.2 85.8



#14
 Allyl chloride
 Concen: 15.46 ug/l
 RT: 2.71 min Scan# 660
 Delta R.T. 0.12 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

Tgt Ion: 41 Resp: 58332
 Ion Ratio Lower Upper
 41 100
 39 47.6 60.6 91.0#
 76 0.2 30.5 45.7#





#15

Acrylonitrile

Concen: 0.35 ug/l

RT: 3.00 min Scan# 749

Delta R.T. 0.06 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

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SS038MW050-180704

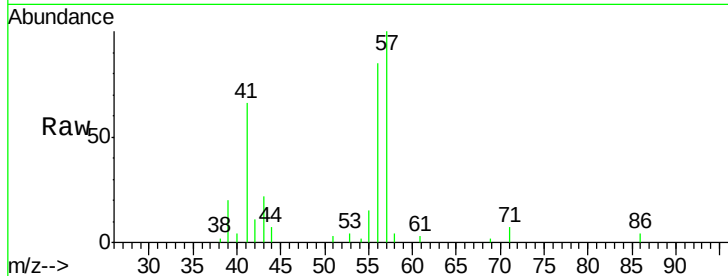
Tot Ion: 53 Resp: 496

Ion Ratio Lower Upper

53 100

52 0.0 66.6 99.8#

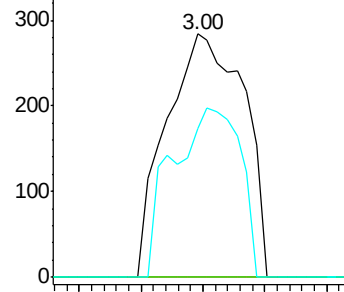
51 61.3 29.4 44.2#



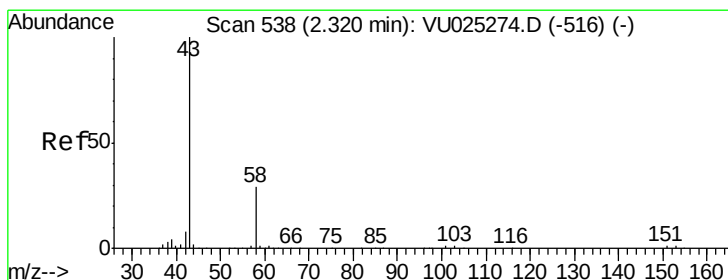
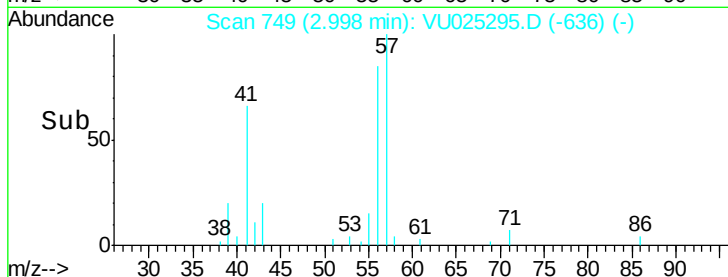
Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



Time-->



#16

Acetone

Concen: 9.74 ug/l

RT: 2.31 min Scan# 534

Delta R.T. -0.01 min

Lab File: VU025295.D

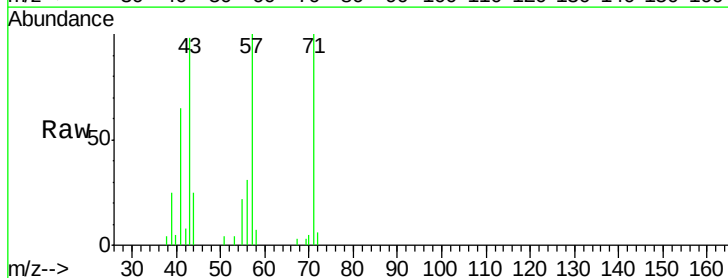
Acq: 10 Jul 2018 17:42

Tgt Ion: 43 Resp: 8084

Ion Ratio Lower Upper

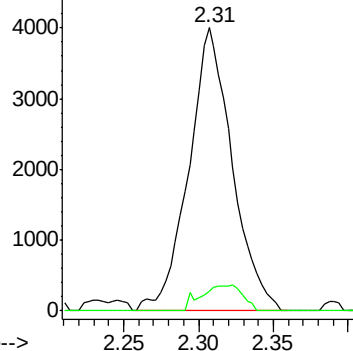
43 100

58 7.1 23.1 34.7#

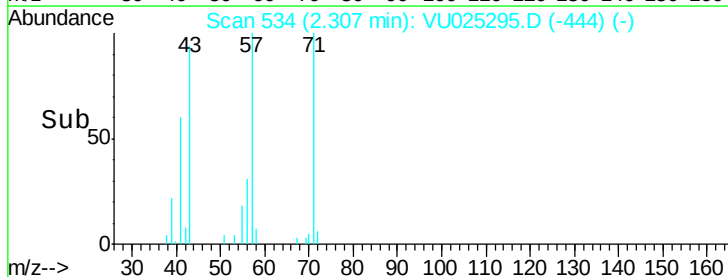


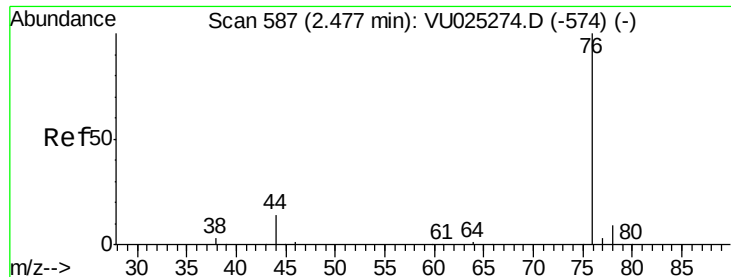
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->





#17

Carbon Disulfide

Concen: 2.14 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

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ClientSampleId :

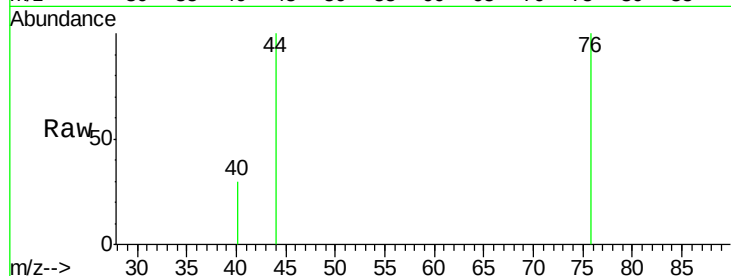
SS038MW050-180704

Tot Ion: 76 Resp: 1301

Ion Ratio Lower Upper

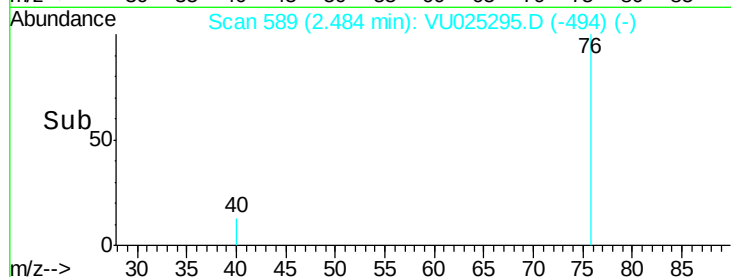
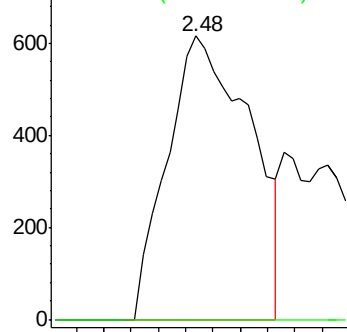
76 100

78 0.0 7.4 11.2#

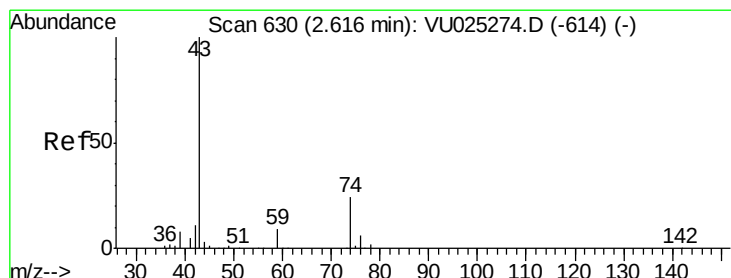


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



Time-->



#18

Methyl Acetate

Concen: 42.53 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.09 min

Lab File: VU025295.D

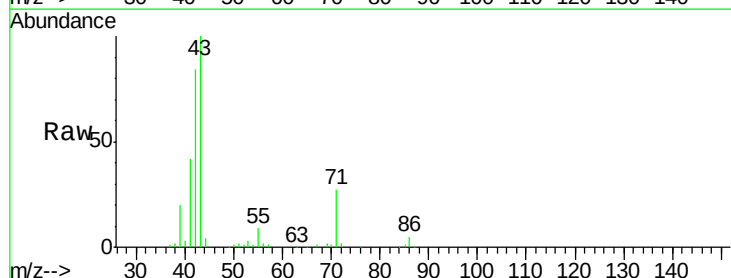
Acq: 10 Jul 2018 17:42

Tgt Ion: 43 Resp: 138870

Ion Ratio Lower Upper

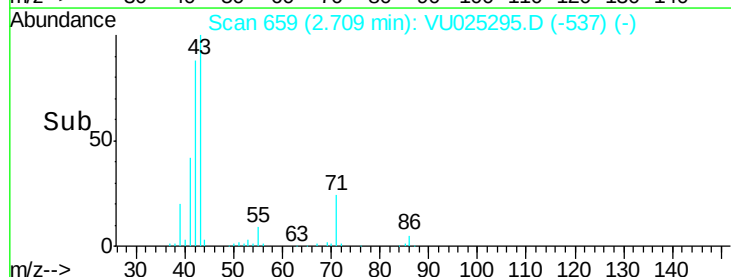
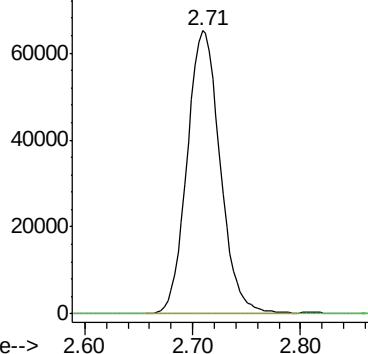
43 100

74 0.0 18.5 27.7#

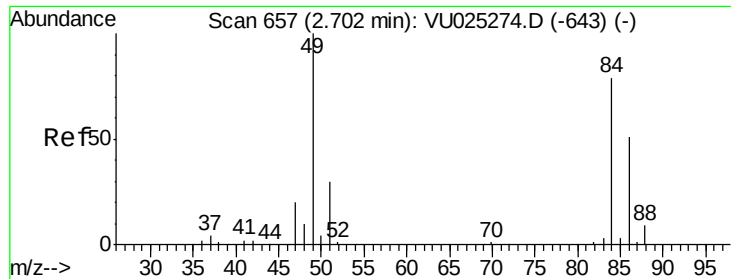


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



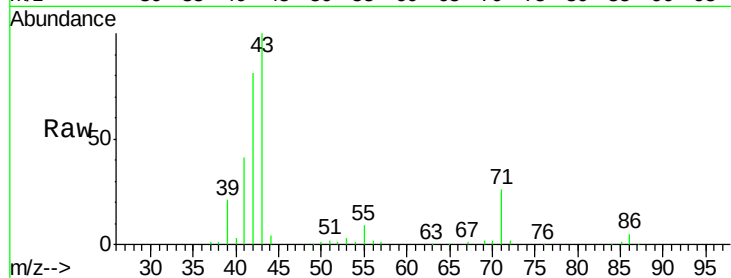
Time-->



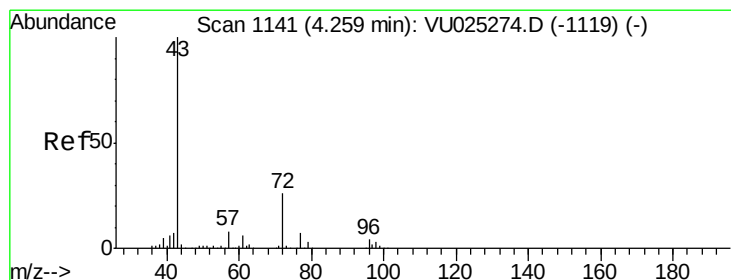
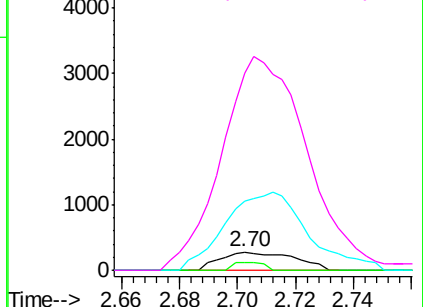
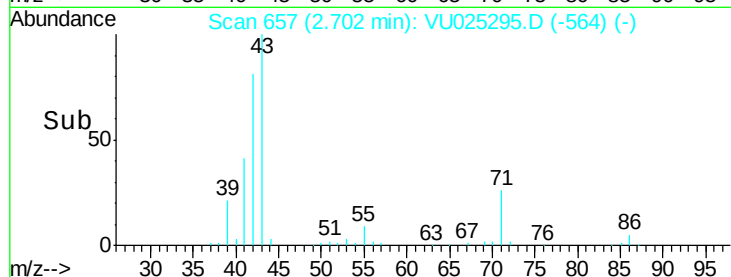
#20
Methvlene Chloride
Concen: 0.89 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025295.D
Acq: 10 Jul 2018 17:42

Instrument :
MSVOA_U
ClientSampleId :
SS038MW050-180704

Tot Ion: 84 Resp: 498
Ion Ratio Lower Upper
84 100
49 45.4 101.8 152.6#
51 321.4 30.8 46.2#
86 915.7 51.9 77.9#

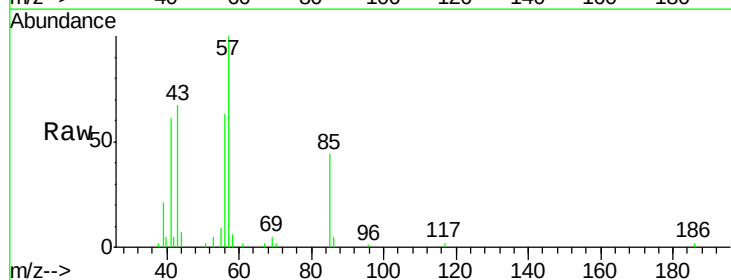


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

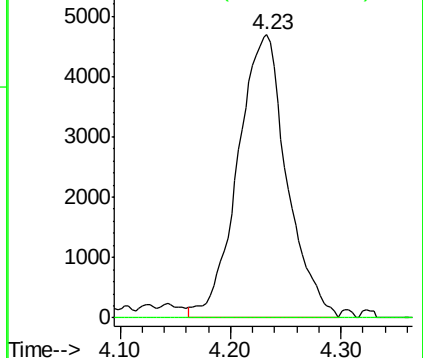
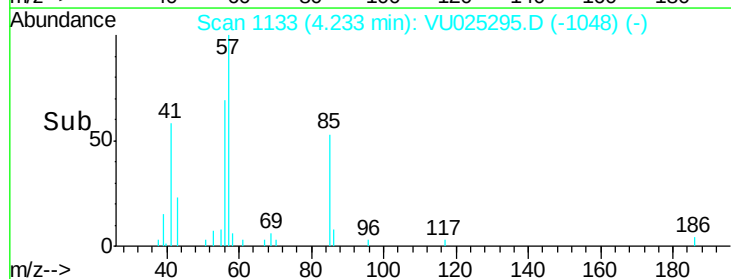


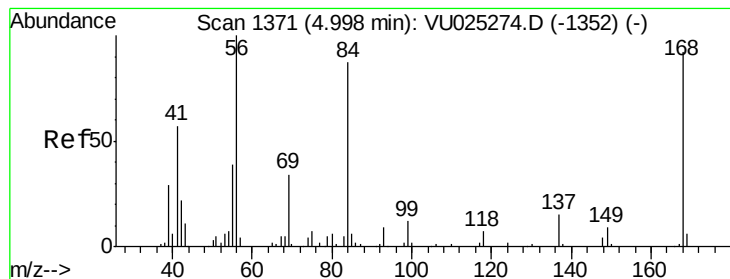
#25
2-Butanone
Concen: 6.56 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.03 min
Lab File: VU025295.D
Acq: 10 Jul 2018 17:42

Tgt Ion: 43 Resp: 14498
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





#31

Cyclohexane

Concen: 2.39 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

SS038MW050-180704

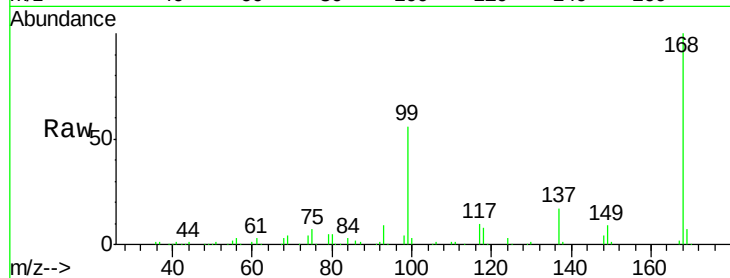
Tot Ion: 56 Resp: 6731

Ion Ratio Lower Upper

56 100

69 125.3 26.8 40.2#

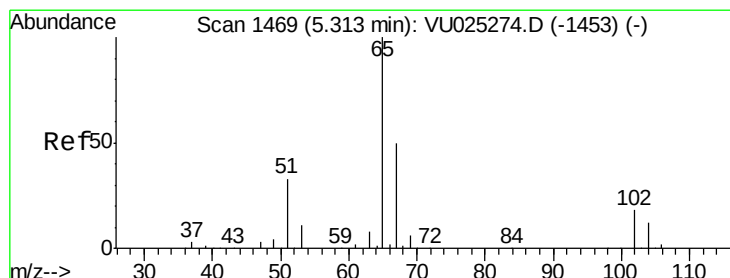
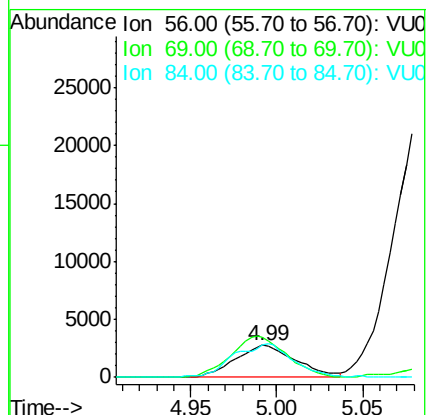
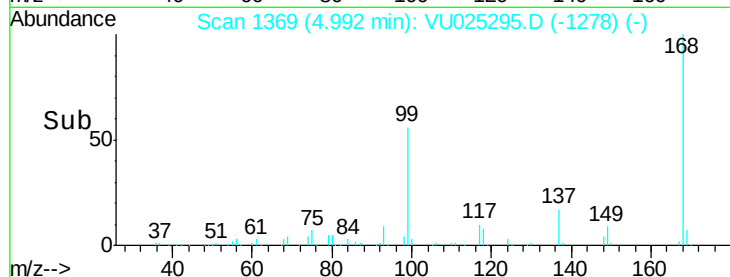
84 94.9 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 48.96 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025295.D

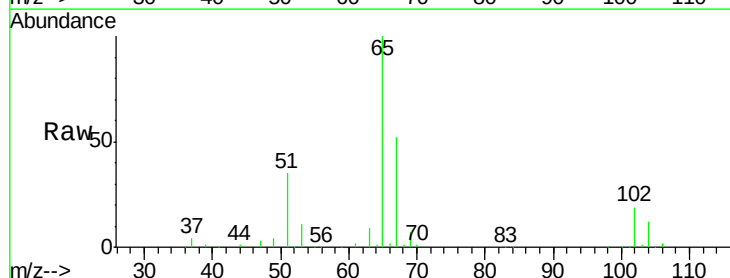
Acq: 10 Jul 2018 17:42

Tgt Ion: 65 Resp: 156152

Ion Ratio Lower Upper

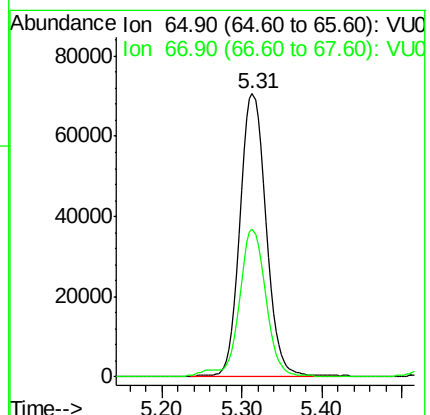
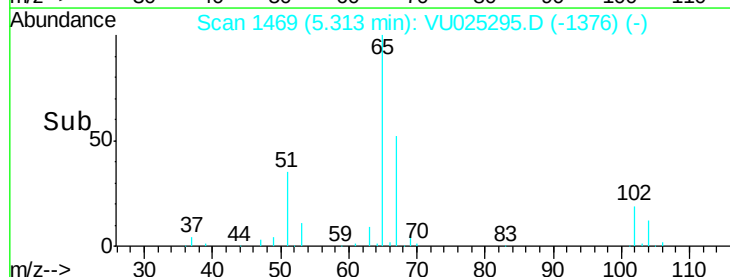
65 100

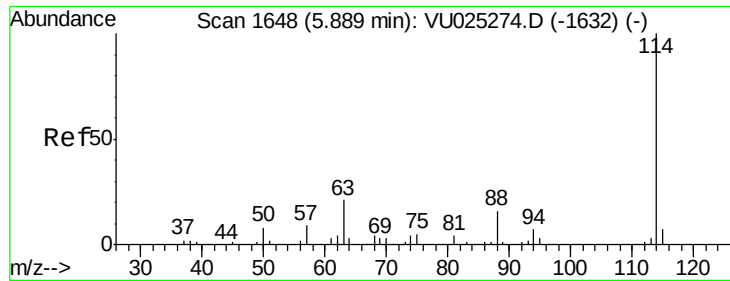
67 53.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

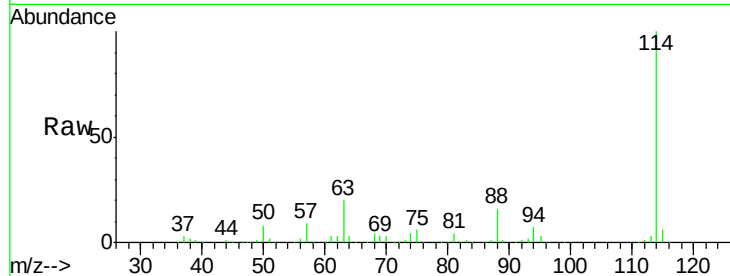




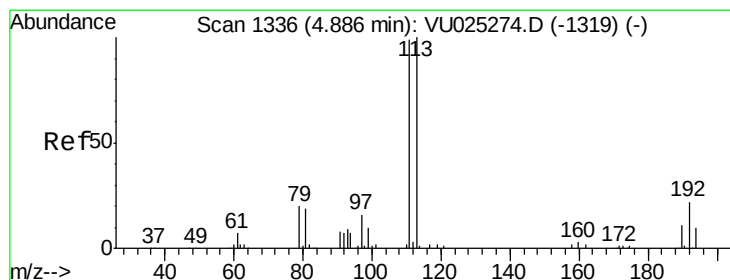
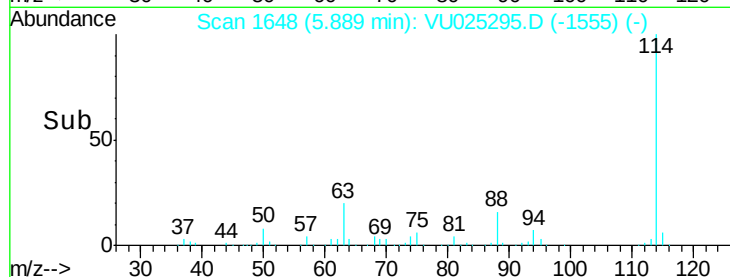
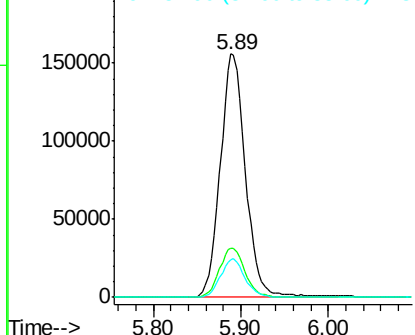
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW050-180704

Tot Ion:114 Resp: 312053
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.6
 88 15.6 0.0 32.4

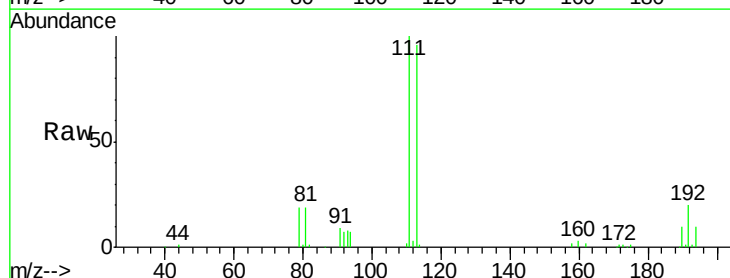


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

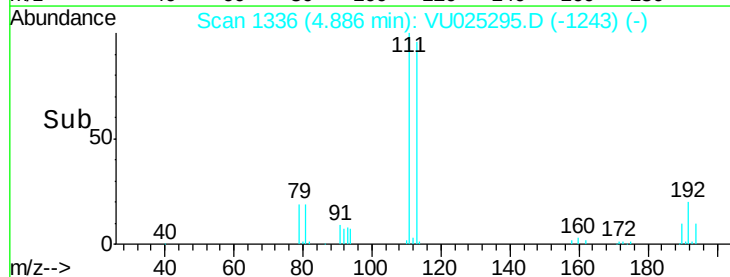
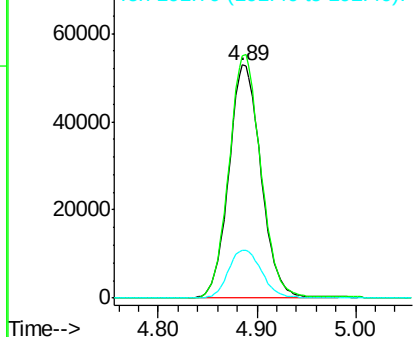


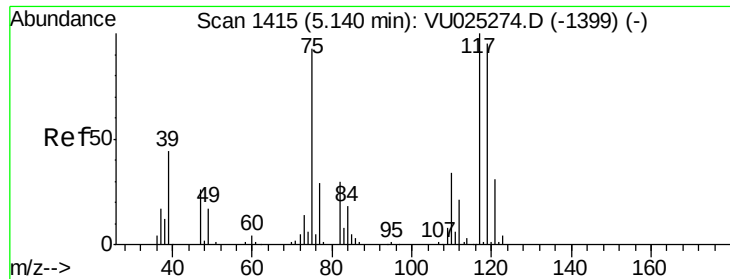
#35
 Dibromofluoromethane
 Concen: 45.84 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

Tgt Ion:113 Resp: 120669
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.7 122.5
 192 21.3 17.1 25.7



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





#36

1,1-Dichloropropene

Concen: 4.24 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

SS038MW050-180704

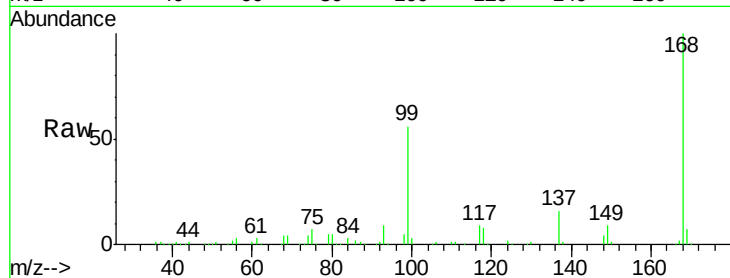
Tot Ion: 75 Resp: 14701

Ion Ratio Lower Upper

75 100

110 9.9 17.6 52.9#

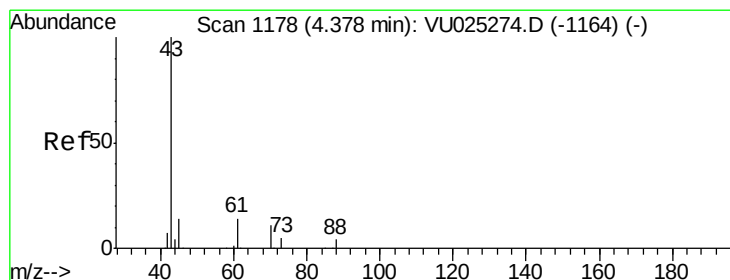
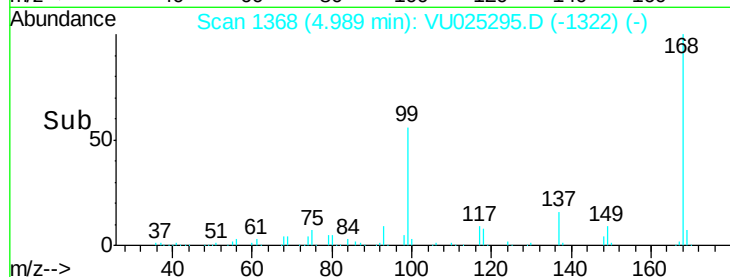
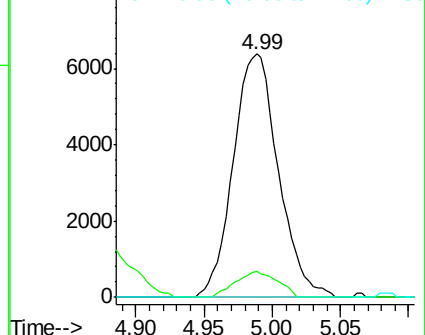
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#37

Ethyl Acetate

Concen: 3.75 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.14 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

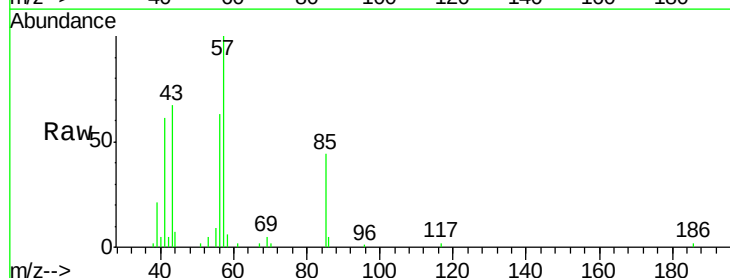
Tgt Ion: 43 Resp: 14498

Ion Ratio Lower Upper

43 100

61 1.1 10.7 16.1#

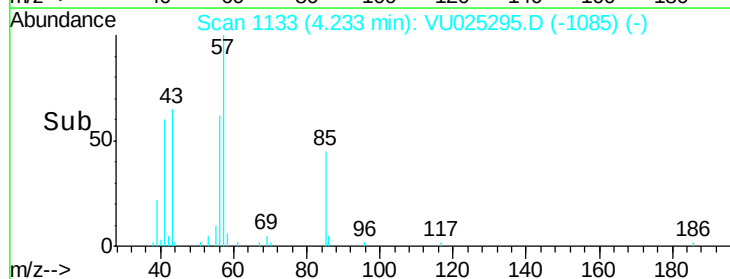
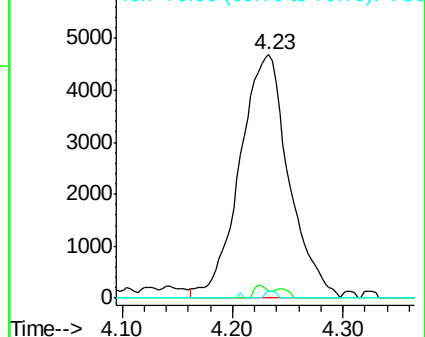
70 0.7 8.4 12.6#

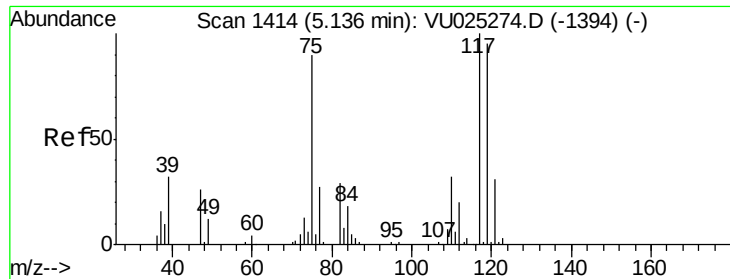


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0





#38

Carbon Tetrachloride

Concen: 5.29 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

SS038MW050-180704

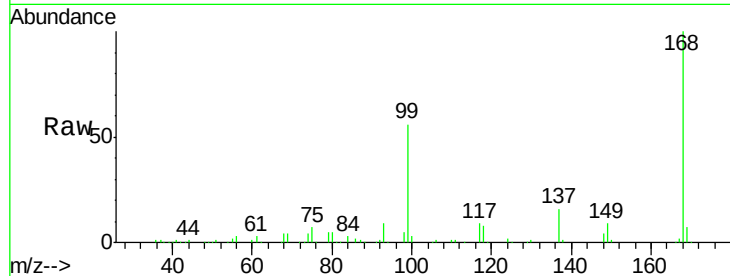
Tot Ion:117 Resp: 19764

Ion Ratio Lower Upper

117 100

119 4.7 75.7 113.5#

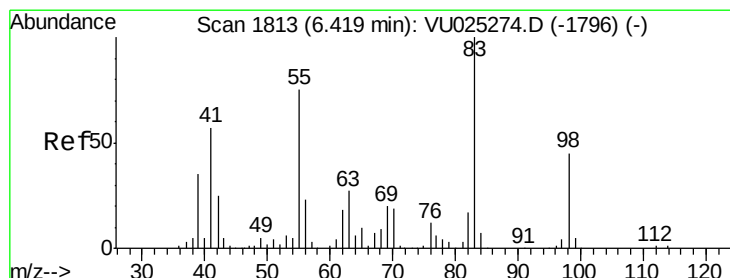
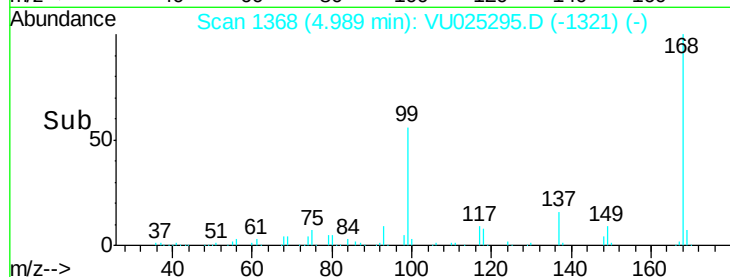
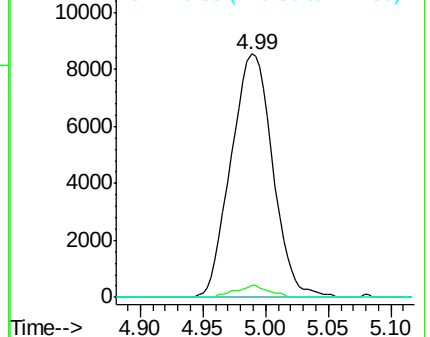
121 0.0 24.6 36.8#



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: 7.07 ug/l

RT: 6.40 min Scan# 1807

Delta R.T. -0.02 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

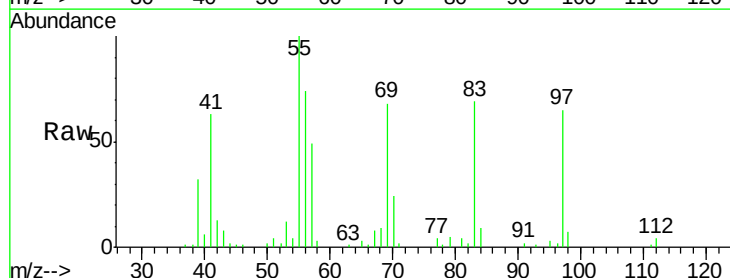
Tgt Ion: 83 Resp: 30585

Ion Ratio Lower Upper

83 100

55 144.5 60.0 90.0#

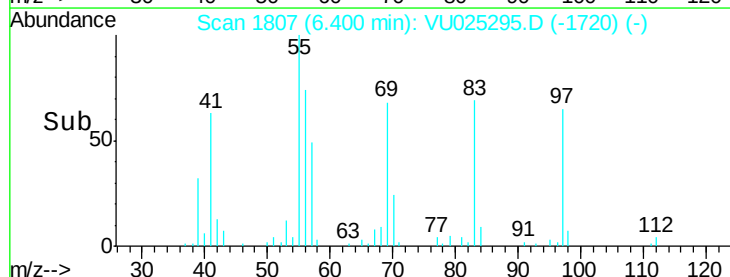
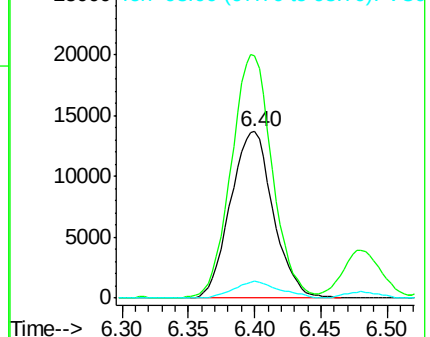
98 10.0 36.1 54.1#

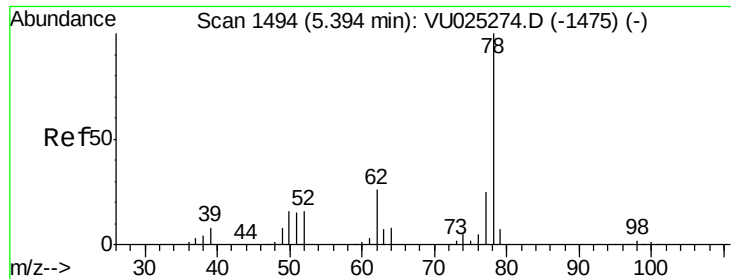


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 0.22 ug/l

RT: 5.40 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

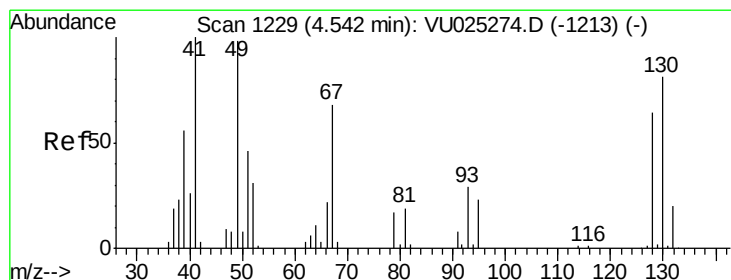
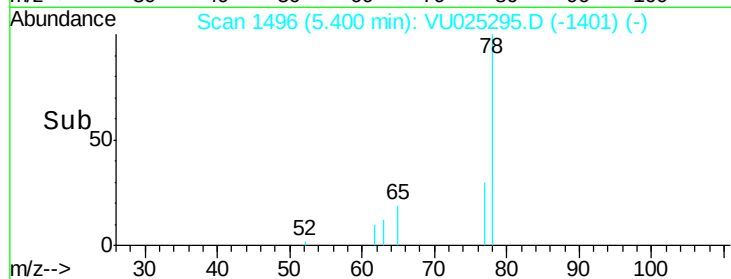
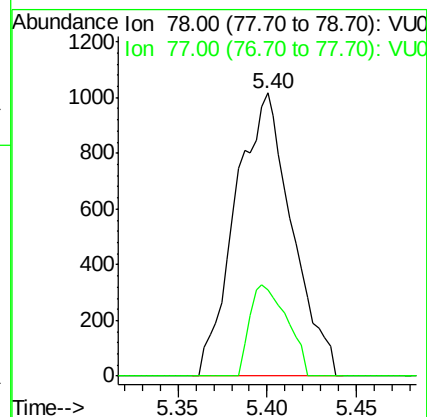
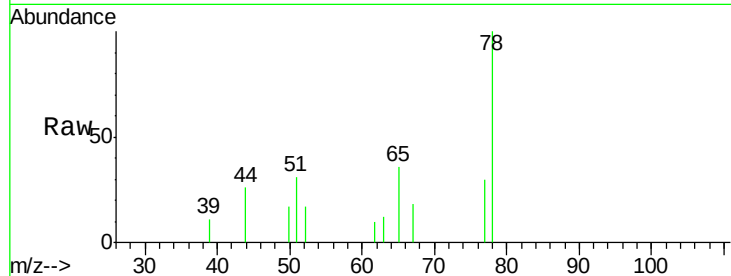
SS038MW050-180704

Tot Ion: 78 Resp: 2244

Ion Ratio Lower Upper

78 100

77 30.4 19.8 29.6#



#41

Methacrylonitrile

Concen: 3.09 ug/l

RT: 4.74 min Scan# 1291

Delta R.T. 0.20 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Tgt Ion: 41 Resp: 6626

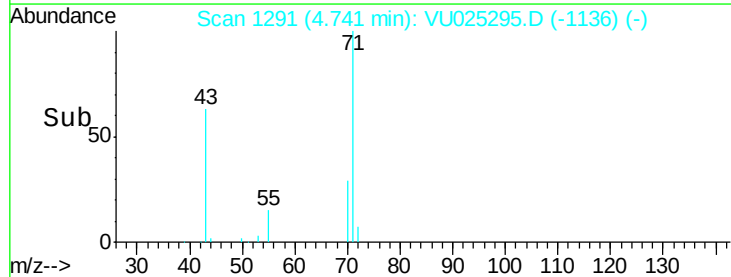
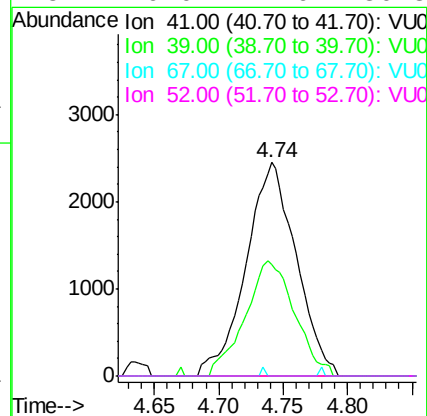
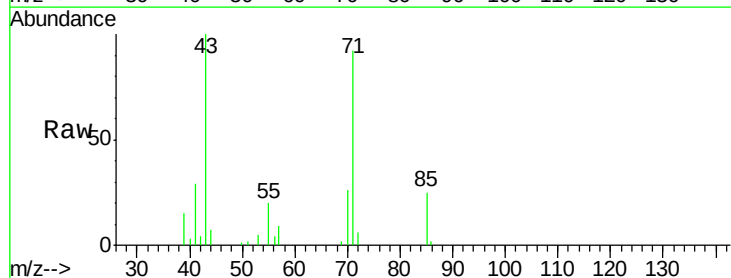
Ion Ratio Lower Upper

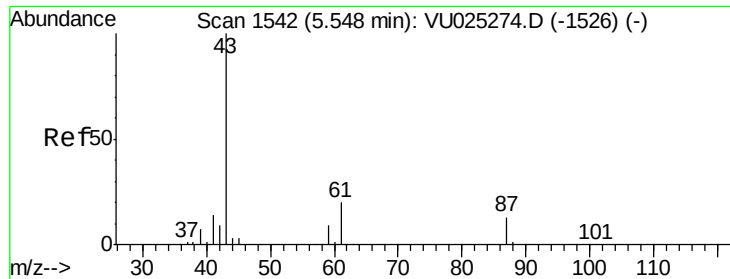
41 100

39 53.2 44.4 66.6

67 0.3 56.0 84.0#

52 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 30.53 ug/l

RT: 5.54 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

SS038MW050-180704

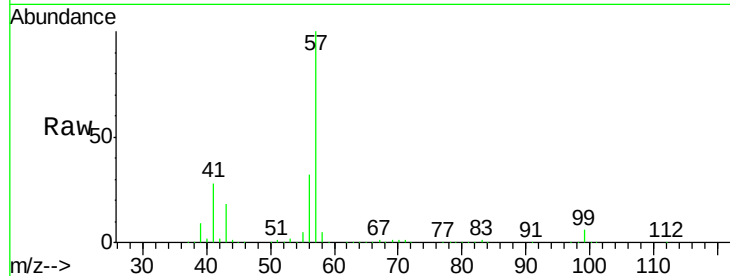
Tot Ion: 43 Resp: 189168

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

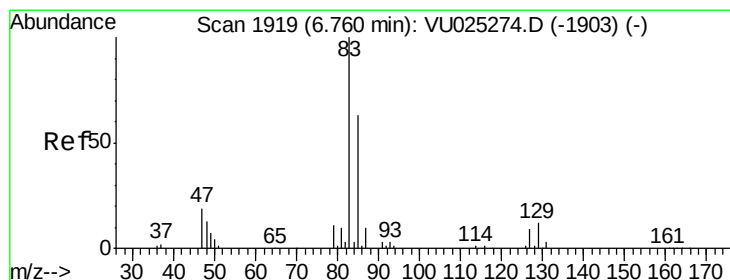
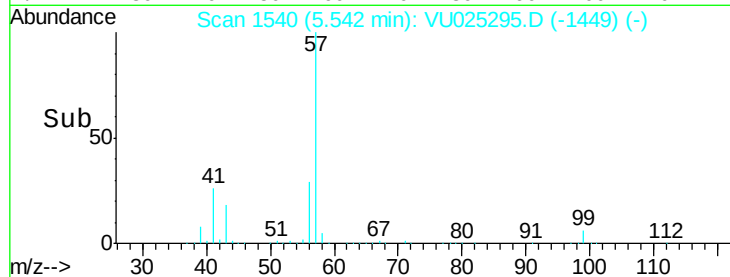
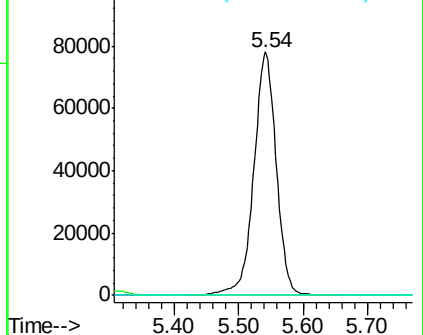
87 0.0 10.6 16.0#



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: 0.92 ug/l

RT: 6.74 min Scan# 1914

Delta R.T. -0.02 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

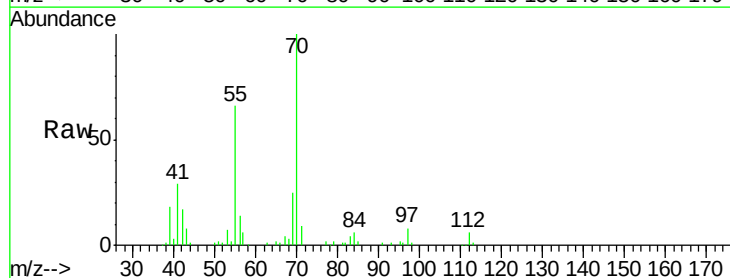
Tgt Ion: 83 Resp: 3271

Ion Ratio Lower Upper

83 100

85 45.9 50.2 75.4#

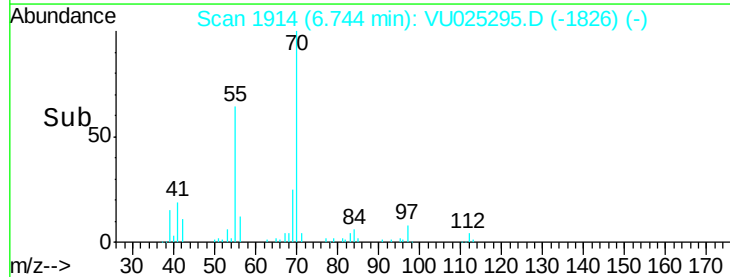
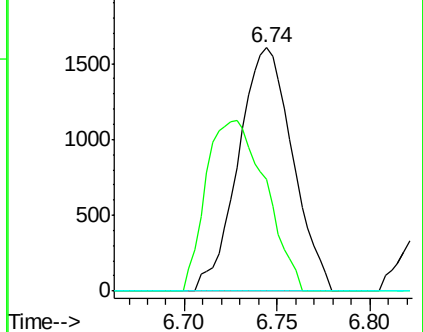
127 0.0 7.2 10.8#

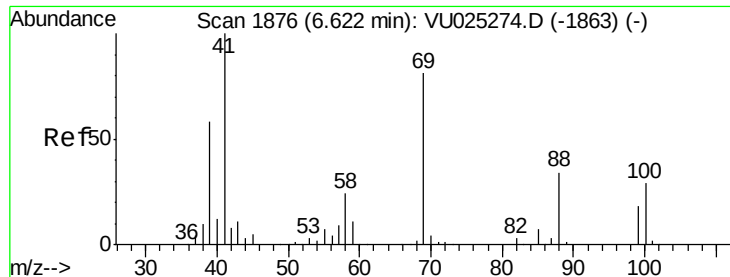


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V

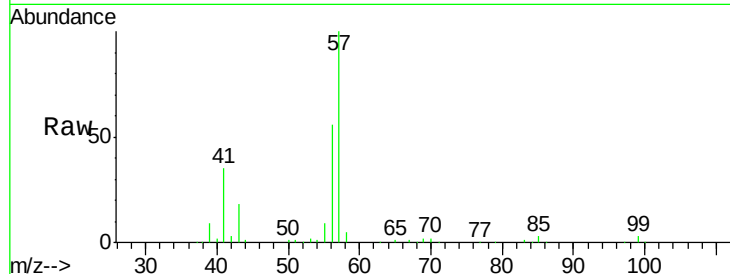




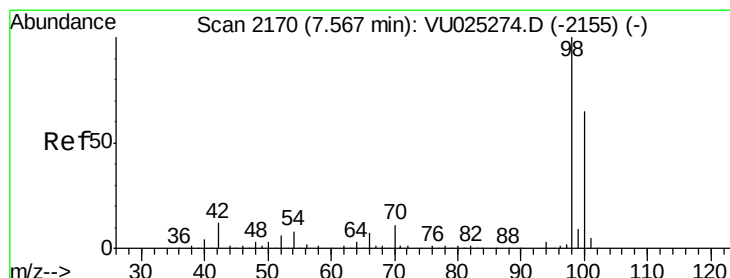
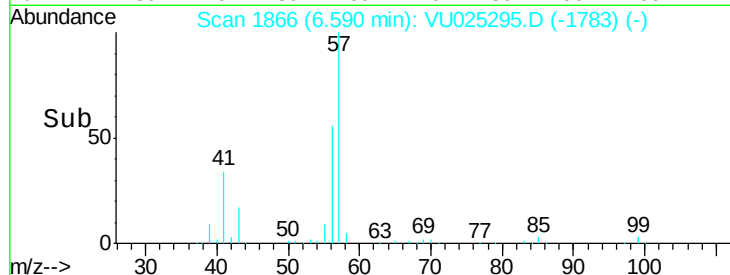
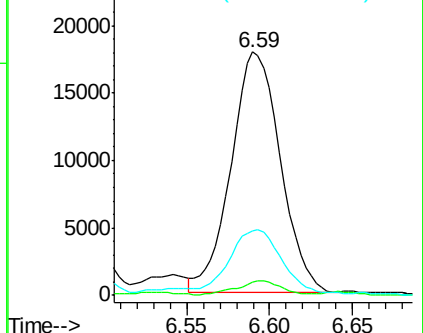
#48
Methvl methacrylate
Concen: 11.90 ug/l
RT: 6.59 min Scan# 1866
Delta R.T. -0.03 min
Lab File: VU025295.D
Acq: 10 Jul 2018 17:42

Instrument :
MSVOA_U
ClientSampleId :
SS038MW050-180704

Tot Ion: 41 Resp: 36763
Ion Ratio Lower Upper
41 100
69 5.5 65.0 97.4#
39 27.7 46.4 69.6#

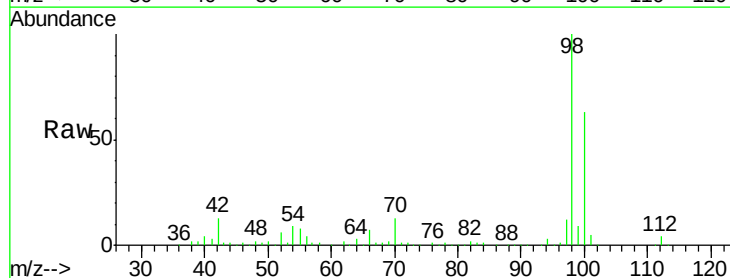


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

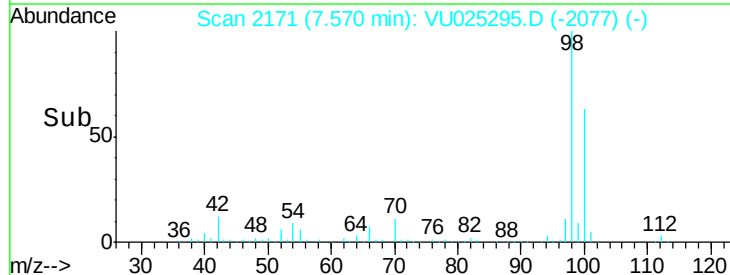
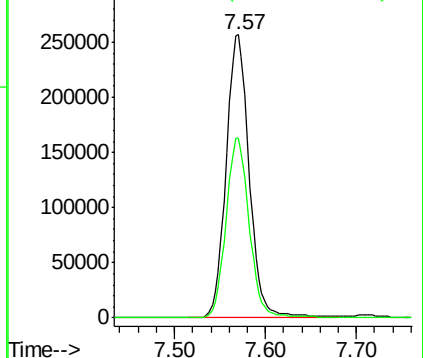


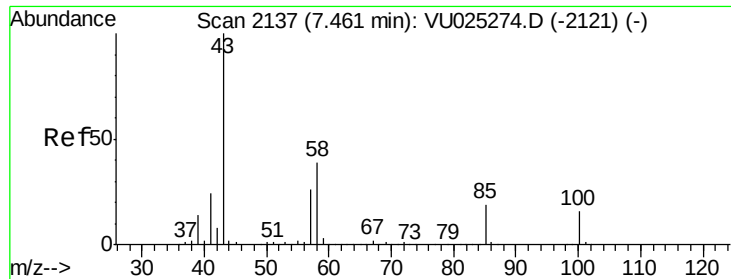
#50
Toluene-d8
Concen: 50.46 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025295.D
Acq: 10 Jul 2018 17:42

Tgt Ion: 98 Resp: 454863
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7



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





#51

4-Methyl-2-Pentanone

Concen: 3.12 ug/l

RT: 7.53 min Scan# 2157

Delta R.T. 0.06 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

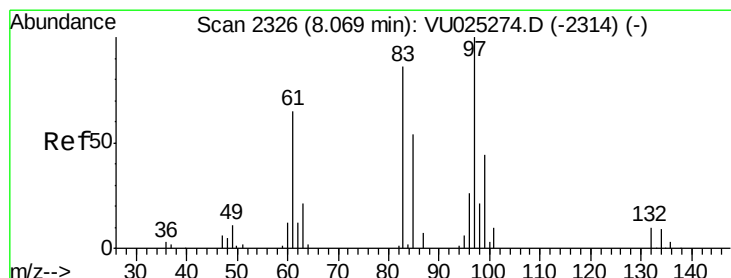
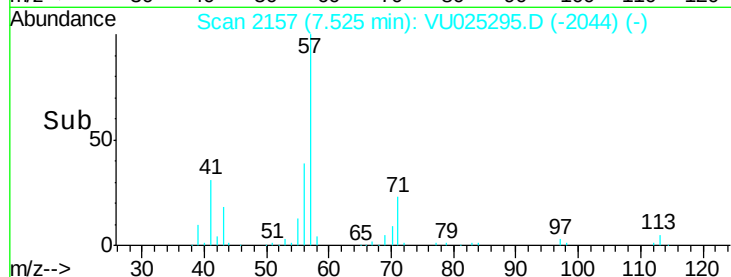
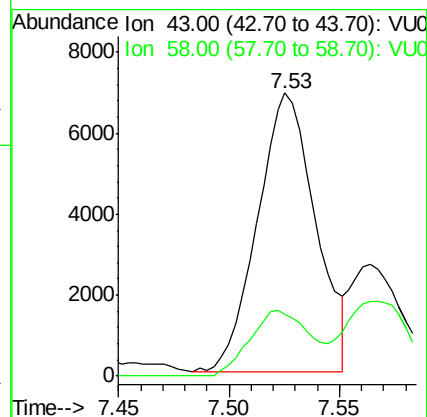
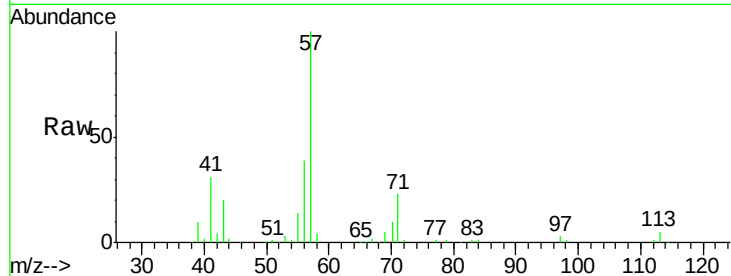
SS038MW050-180704

Tot Ion: 43 Resp: 12576

Ion Ratio Lower Upper

43 100

58 24.8 31.0 46.4#



#55

1,1,2-Trichloroethane

Concen: 4.71 ug/l

RT: 8.05 min Scan# 2320

Delta R.T. -0.02 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Tgt Ion: 97 Resp: 12486

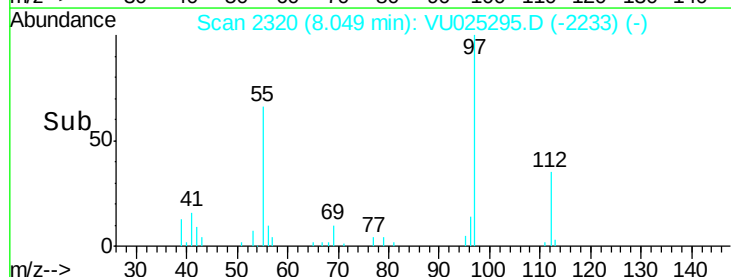
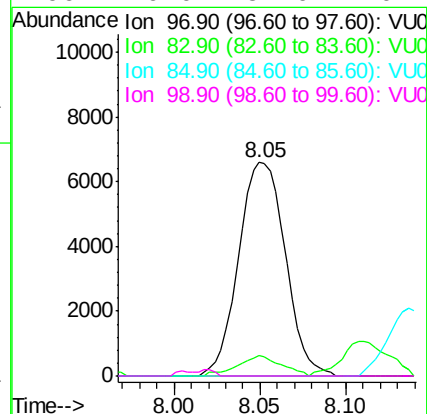
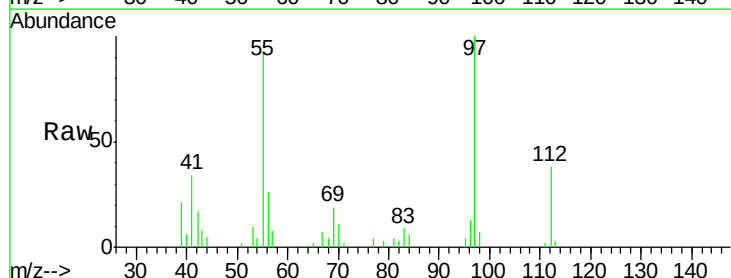
Ion Ratio Lower Upper

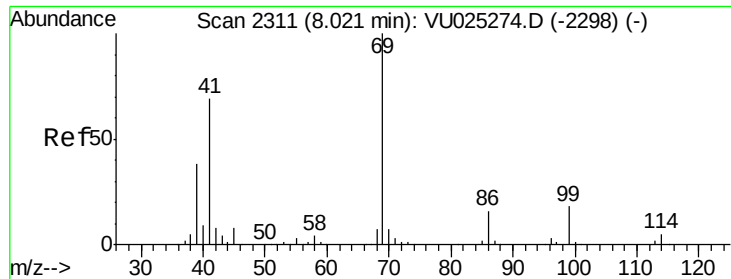
97 100

83 9.4 68.9 103.3#

85 0.0 44.4 66.6#

99 0.0 51.0 76.4#





#56

Ethyl methacrylate

Concen: 0.65 ug/l

RT: 8.05 min Scan# 2320

Delta R.T. 0.03 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

SS038MW050-180704

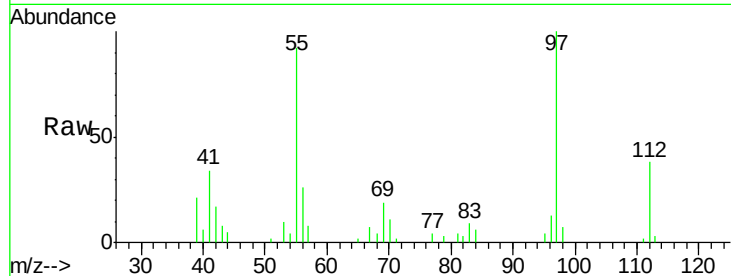
Tot Ion: 69 Resp: 2676

Ion Ratio Lower Upper

69 100

41 166.3 54.8 82.2#

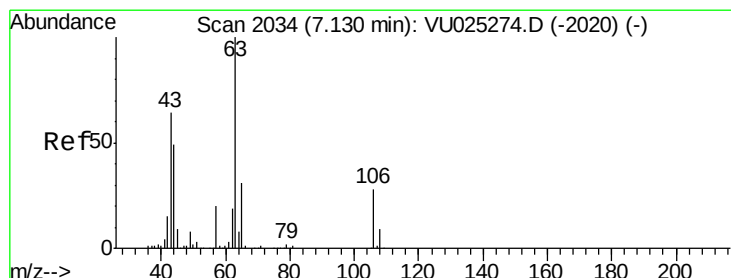
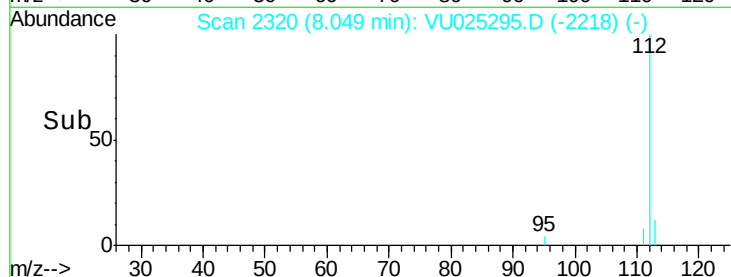
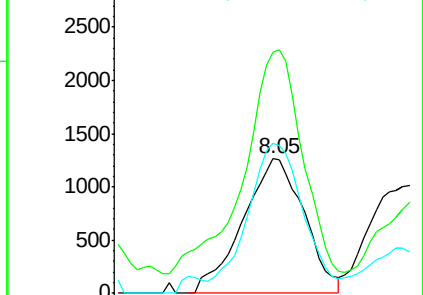
39 89.6 31.1 46.7#



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: 12.05 ug/l

RT: 7.05 min Scan# 2010

Delta R.T. -0.08 min

Lab File: VU025295.D

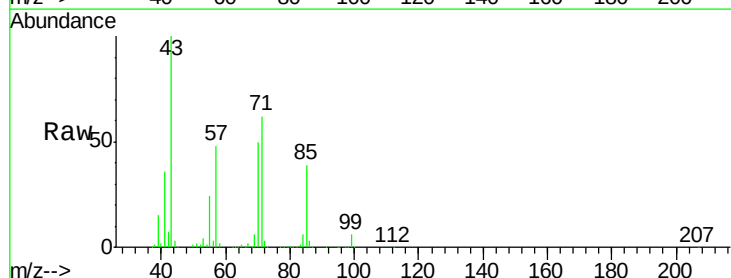
Acq: 10 Jul 2018 17:42

Tgt Ion: 63 Resp: 1971

Ion Ratio Lower Upper

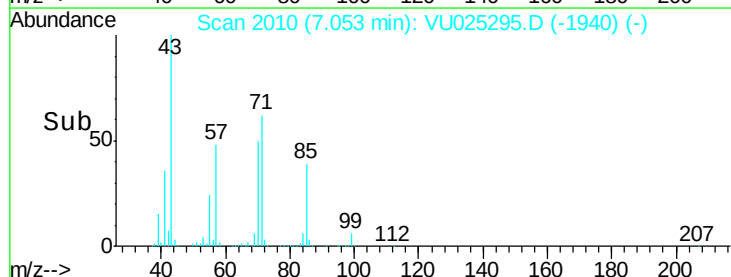
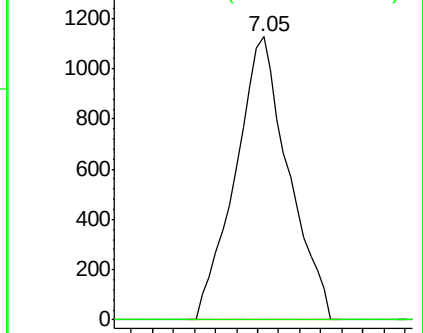
63 100

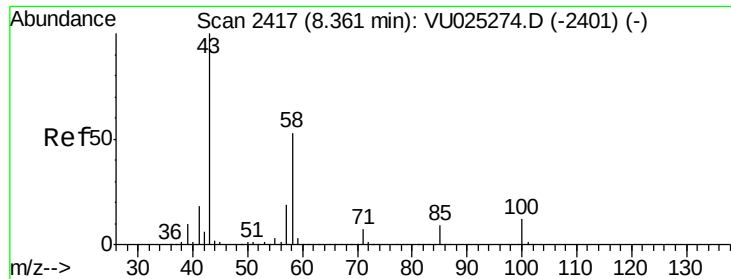
106 0.0 22.3 33.5#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

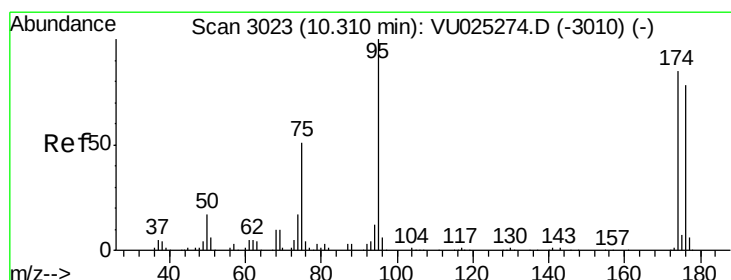
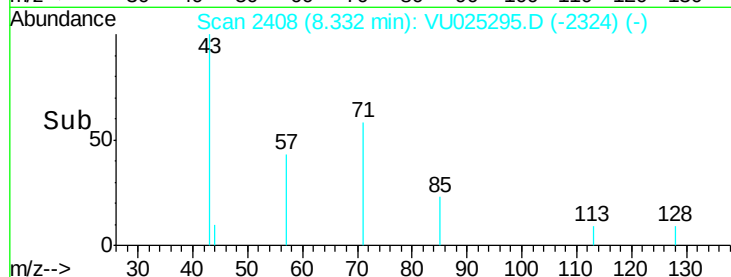
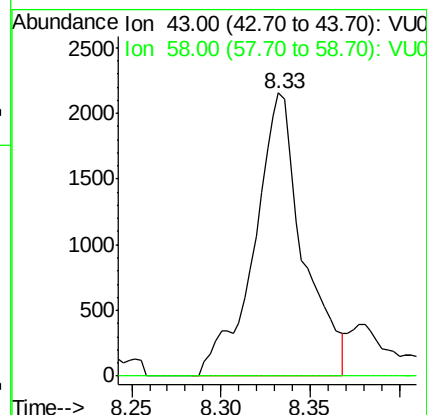
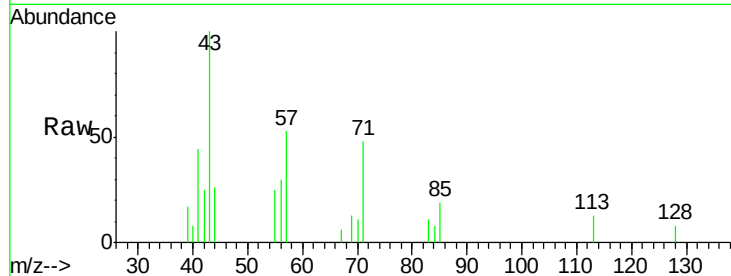




#59
2-Hexanone
Concen: 1.26 ug/l
RT: 8.33 min Scan# 2408
Delta R.T. -0.03 min
Lab File: VU025295.D
Acq: 10 Jul 2018 17:42

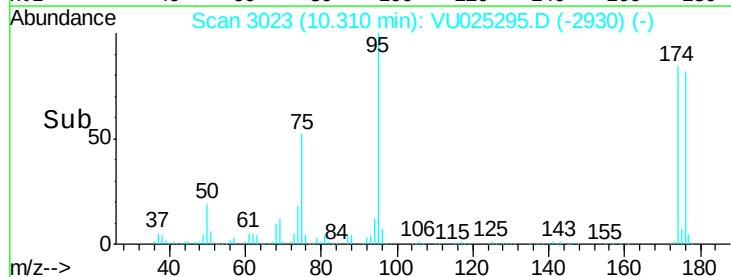
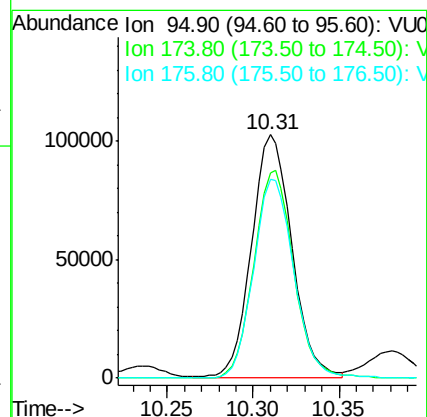
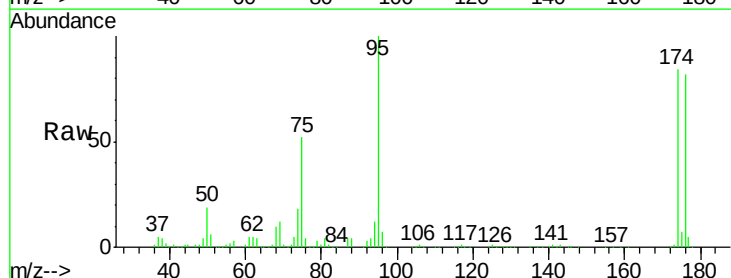
Instrument :
MSVOA_U
ClientSampleId :
SS038MW050-180704

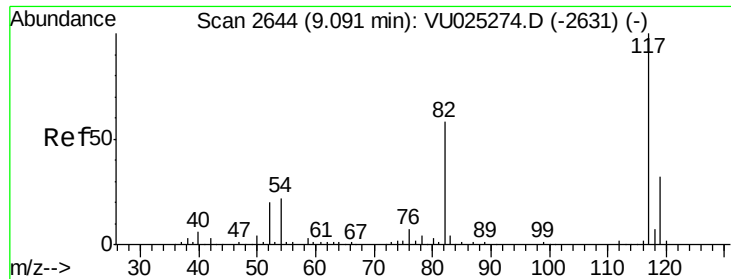
Tot Ion: 43 Resp: 4118
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 45.85 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025295.D
Acq: 10 Jul 2018 17:42

Tgt Ion: 95 Resp: 166385
Ion Ratio Lower Upper
95 100
174 85.1 0.0 172.2
176 82.5 0.0 162.6

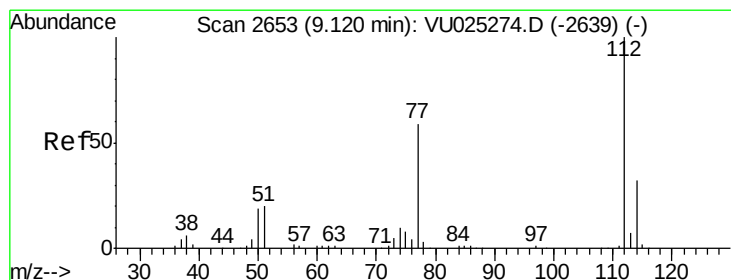
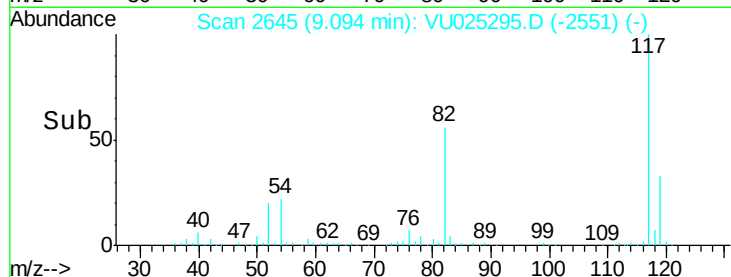
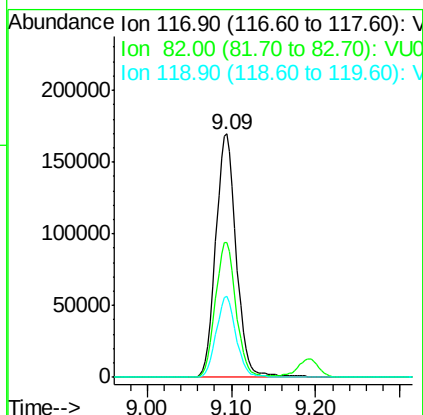
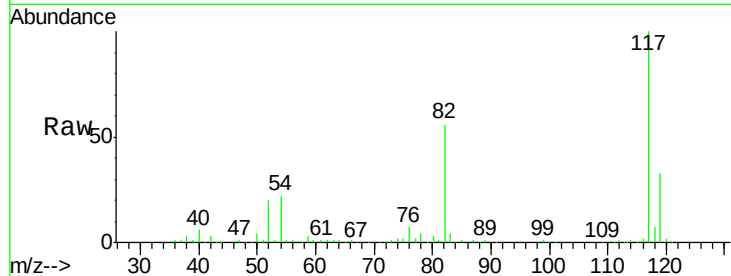




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025295.D
Acq: 10 Jul 2018 17:42

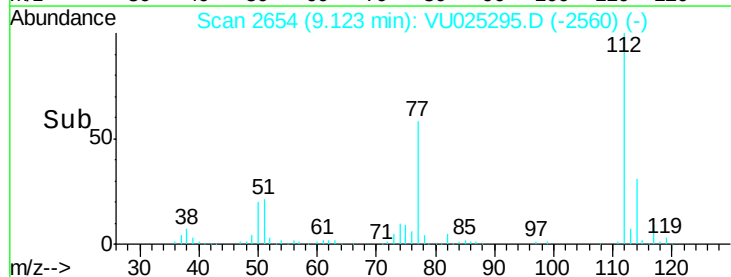
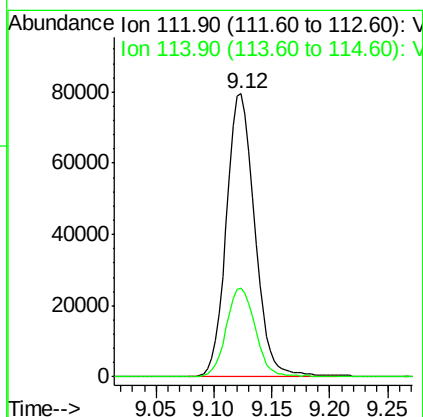
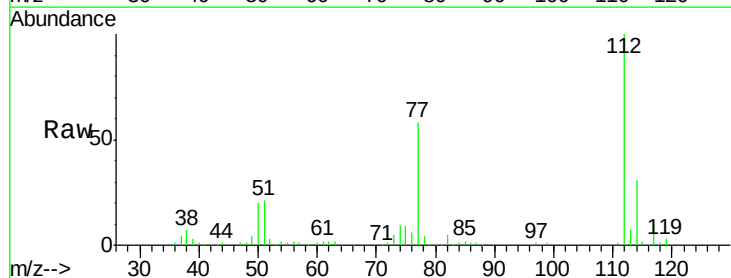
Instrument :
MSVOA_U
ClientSampleId :
SS038MW050-180704

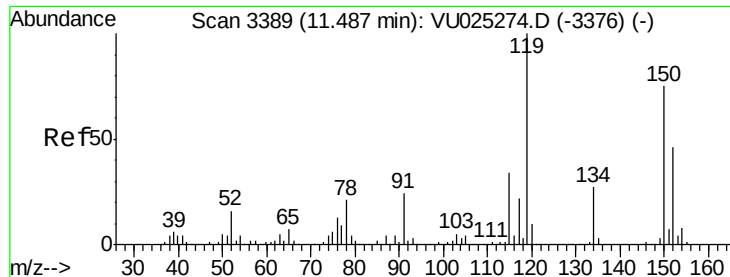
Tot Ion:117 Resp: 286671
Ion Ratio Lower Upper
117 100
82 55.4 46.0 69.0
119 33.2 26.0 39.0



#65
Chlorobenzene
Concen: 18.95 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025295.D
Acq: 10 Jul 2018 17:42

Tgt Ion:112 Resp: 135725
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

SS038MW050-180704

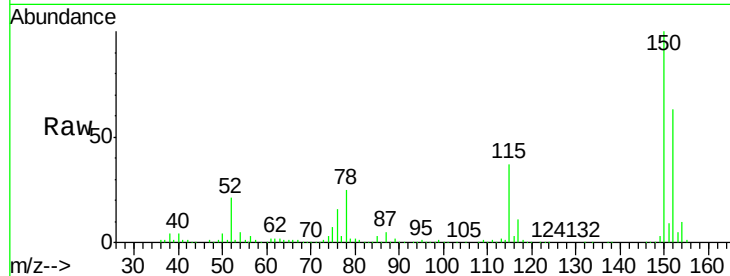
Tot Ion:152 Resp: 156957

Ion Ratio Lower Upper

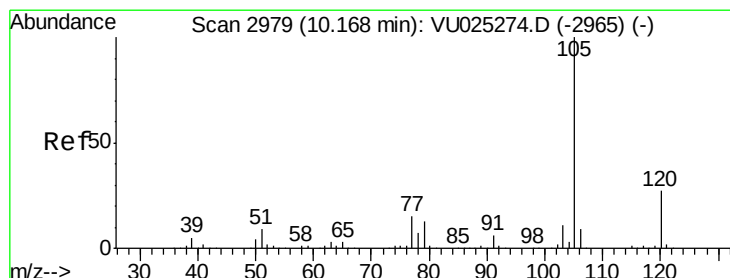
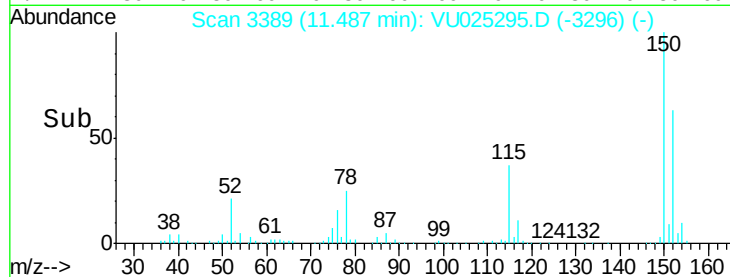
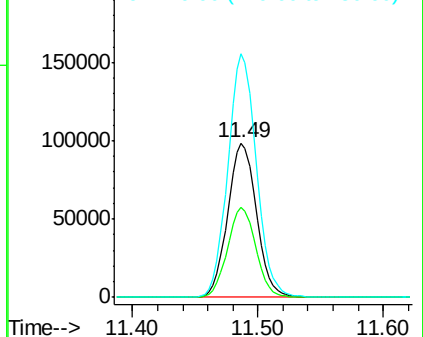
152 100

115 57.6 40.1 120.3

150 155.9 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: 3.46 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025295.D

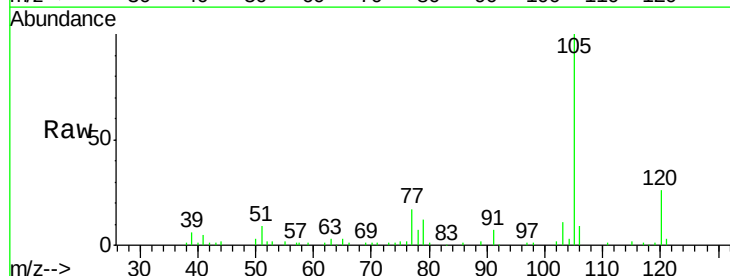
Acq: 10 Jul 2018 17:42

Tgt Ion:105 Resp: 41492

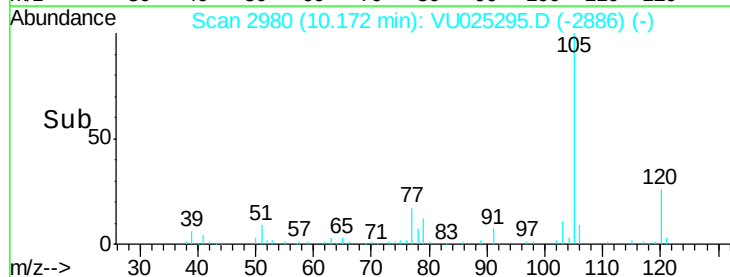
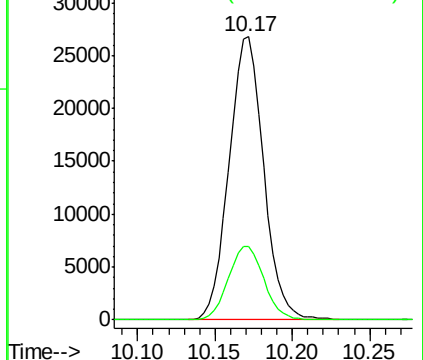
Ion Ratio Lower Upper

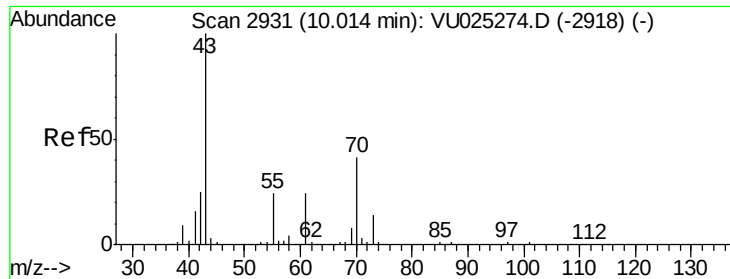
105 100

120 26.6 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: 1.98 ug/l

RT: 10.07 min Scan# 2947

Delta R.T. 0.05 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

SS038MW050-180704

Tot Ion: 43 Resp: 3601

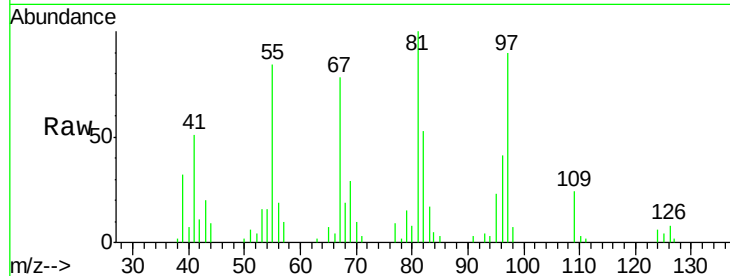
Ion Ratio Lower Upper

43 100

70 25.2 33.4 50.2#

55 306.1 19.0 28.6#

61 0.0 19.3 28.9#

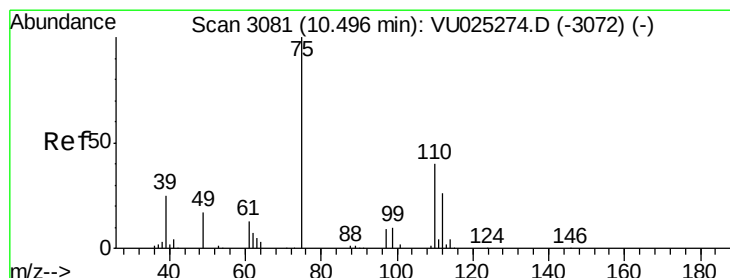
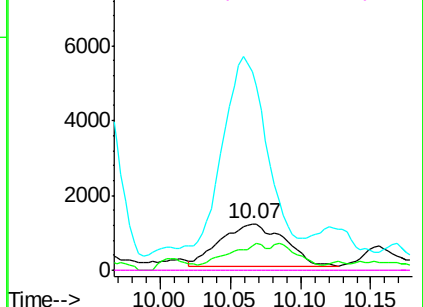
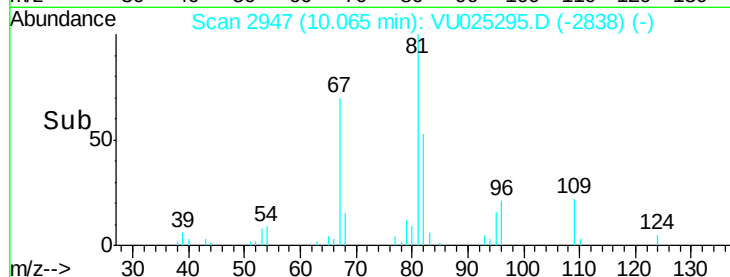


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#76

1,2,3-Trichloropropane

Concen: 27.02 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025295.D

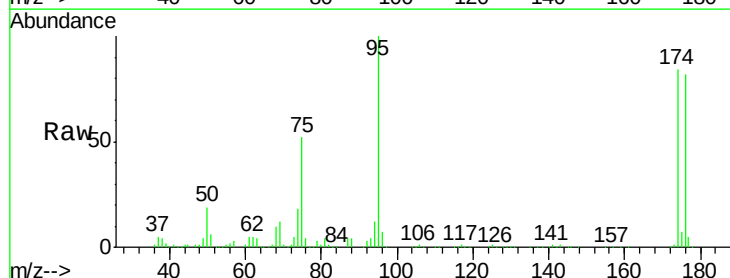
Acq: 10 Jul 2018 17:42

Tgt Ion: 75 Resp: 86221

Ion Ratio Lower Upper

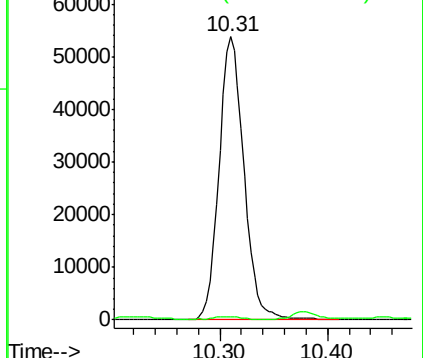
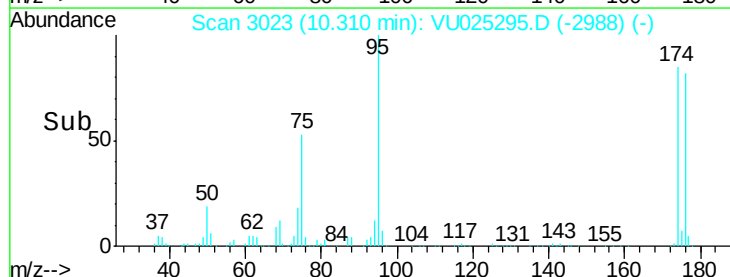
75 100

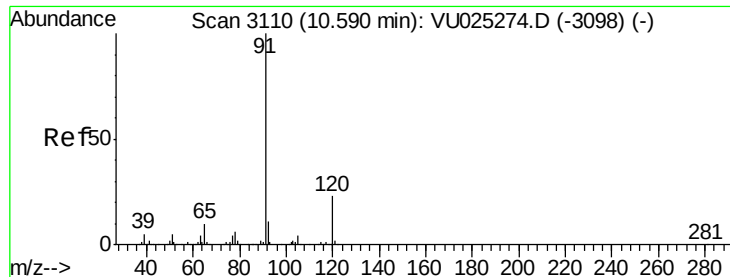
77 1.1 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 0.31 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

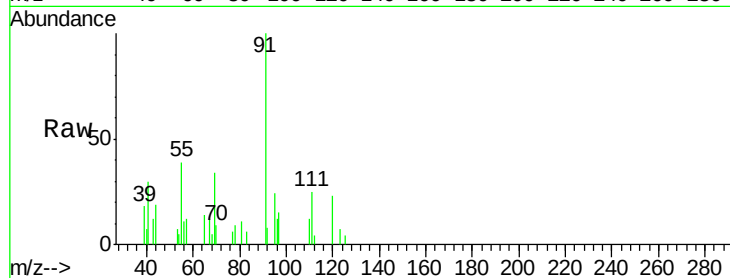
SS038MW050-180704

Tot Ion: 91 Resp: 4124

Ion Ratio Lower Upper

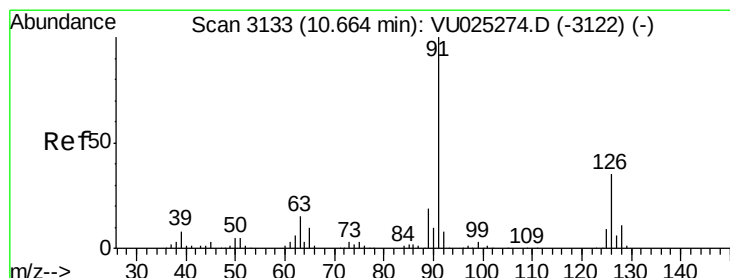
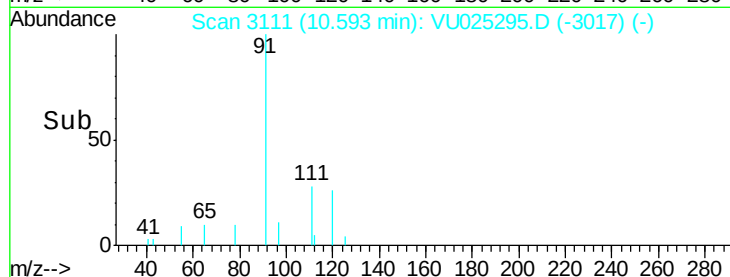
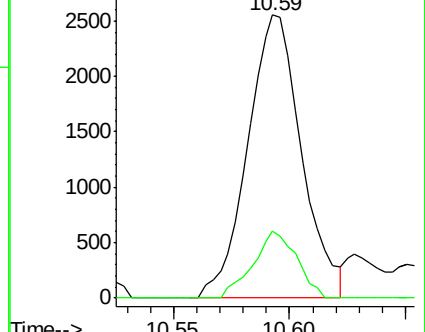
91 100

120 19.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.41 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. -0.16 min

Lab File: VU025295.D

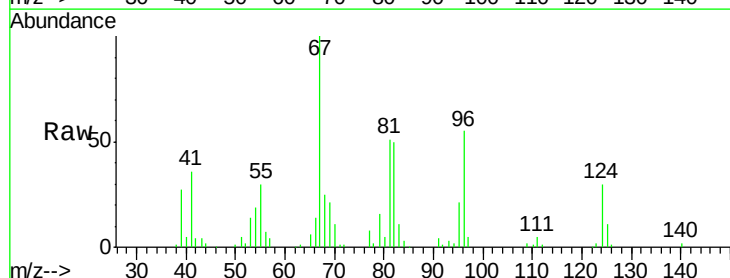
Acq: 10 Jul 2018 17:42

Tgt Ion: 91 Resp: 2005

Ion Ratio Lower Upper

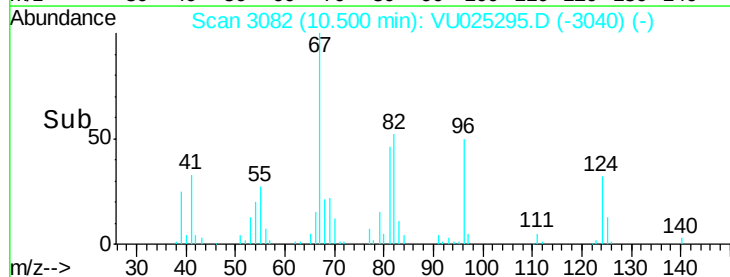
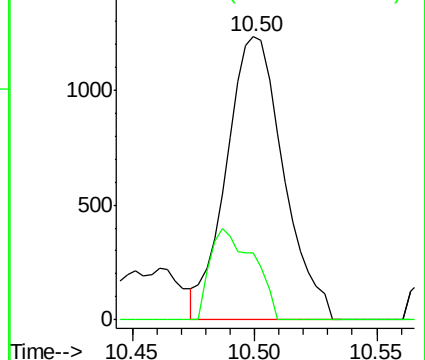
91 100

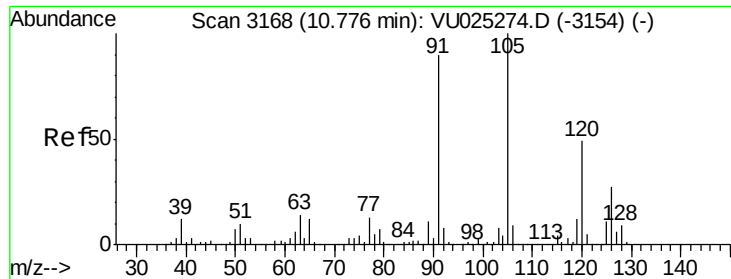
126 24.7 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.23 ug/l

RT: 10.98 min Scan# 3230

Delta R.T. 0.20 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

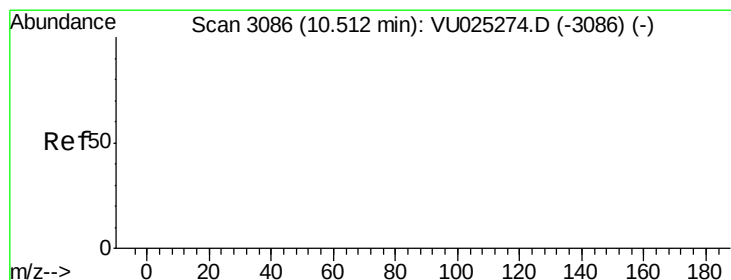
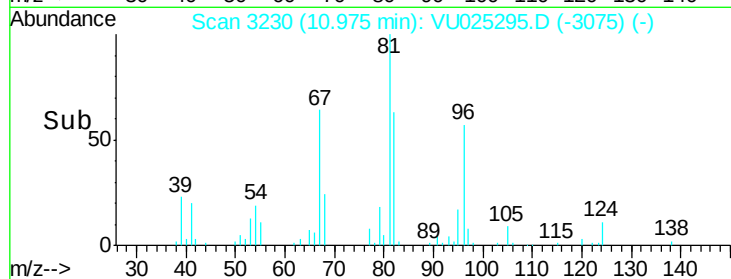
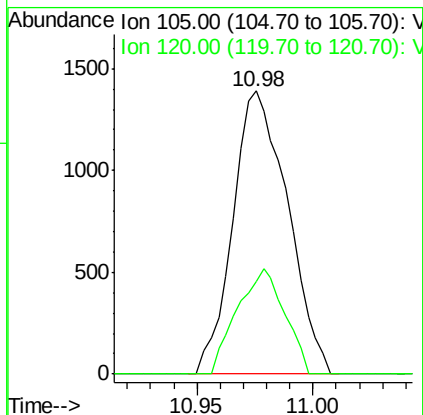
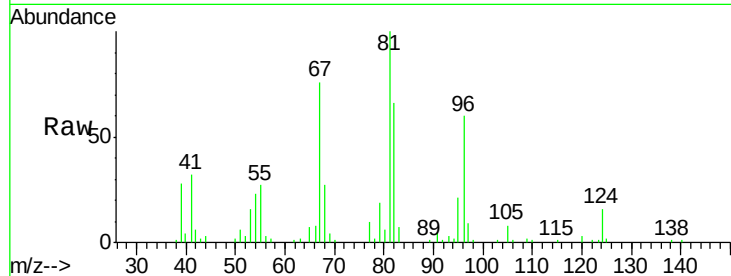
SS038MW050-180704

Tot Ion:105 Resp: 2272

Ion Ratio Lower Upper

105 100

120 32.3 24.1 72.2



#81

trans-1,4-Dichloro-2-butene

Concen: 68.95 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

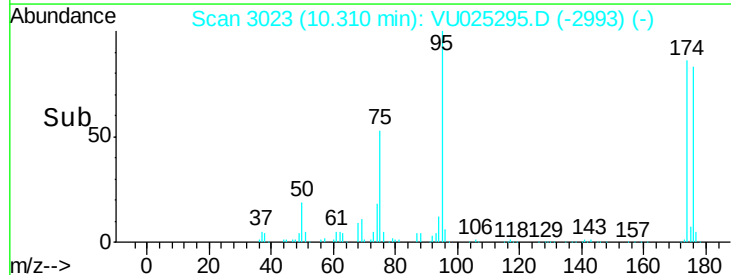
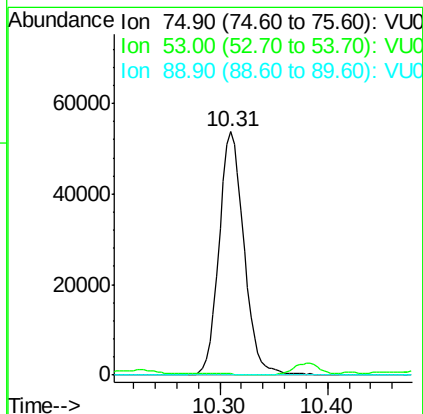
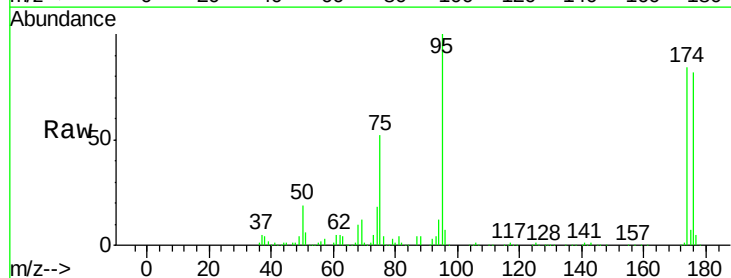
Tgt Ion: 75 Resp: 86221

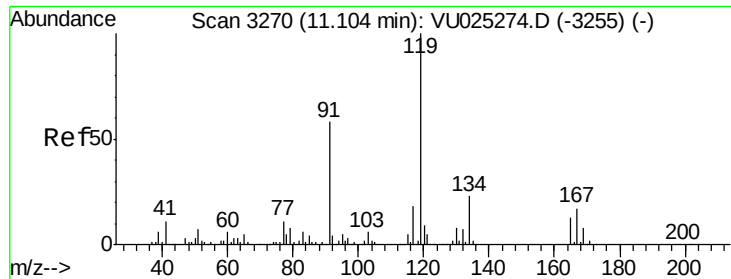
Ion Ratio Lower Upper

75 100

53 0.9 0.0 0.0#

89 0.0 0.0 0.0

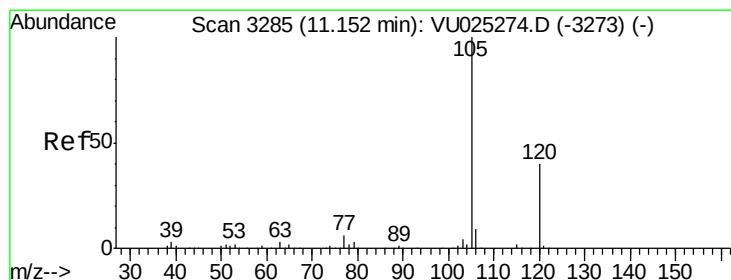
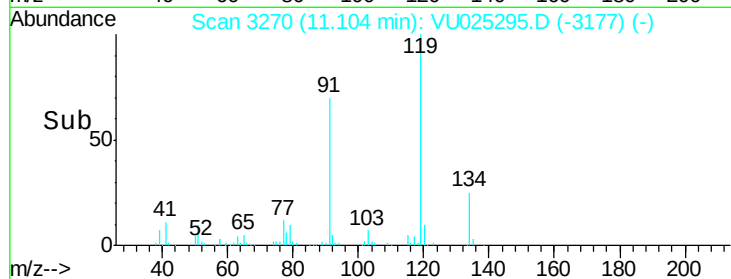
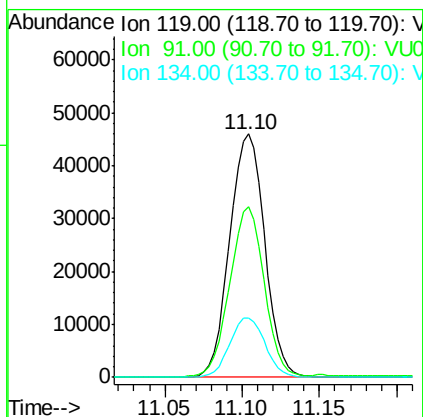
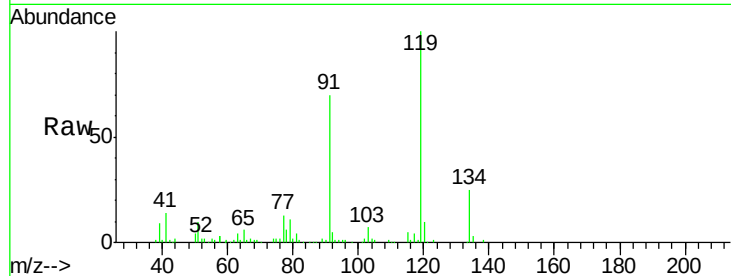




#83
 tert-Butylbenzene
 Concen: 7.09 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

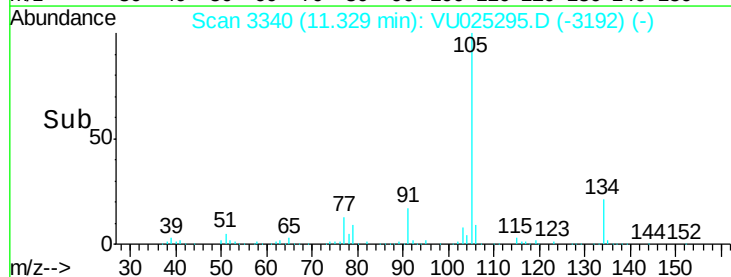
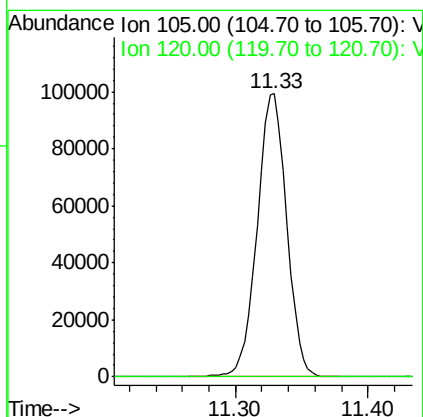
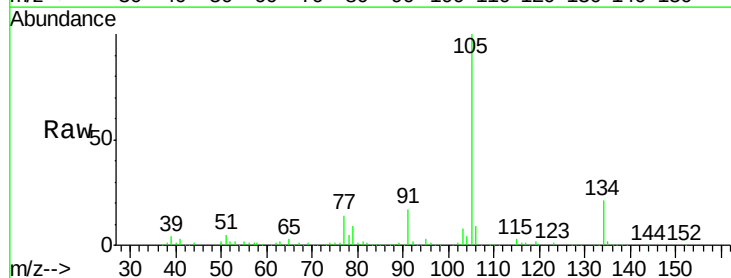
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW050-180704

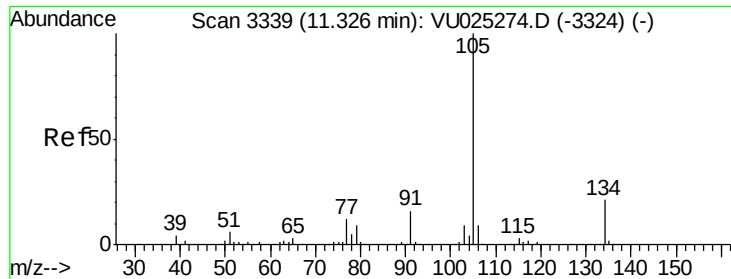
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	29.7	89.1
134	24.6	11.5	34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 14.84 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.18 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

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





#85

sec-Butylbenzene

Concen: 12.79 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

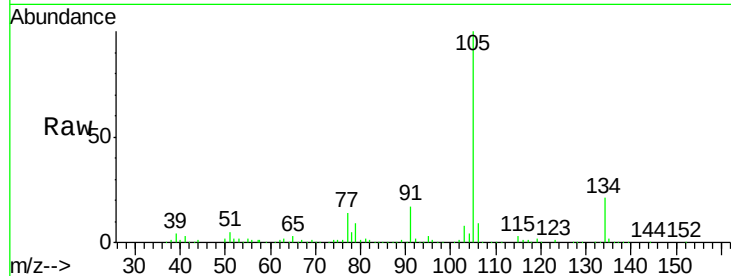
SS038MW050-180704

Tot Ion:105 Resp: 153520

Ion Ratio Lower Upper

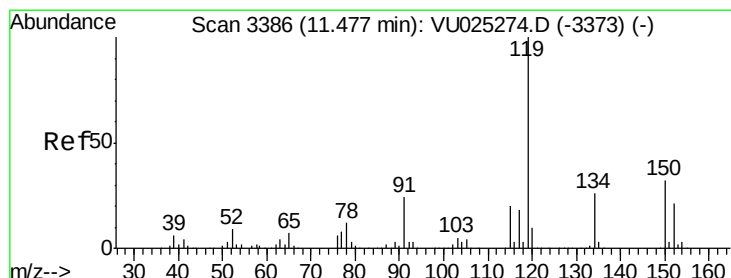
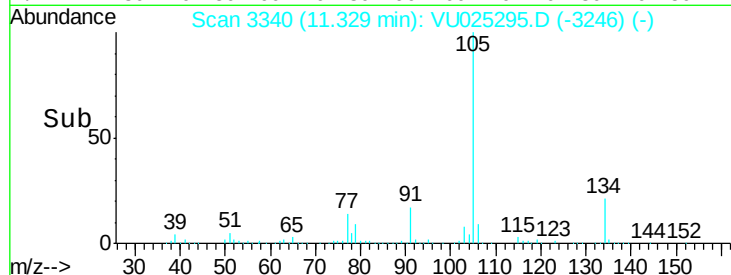
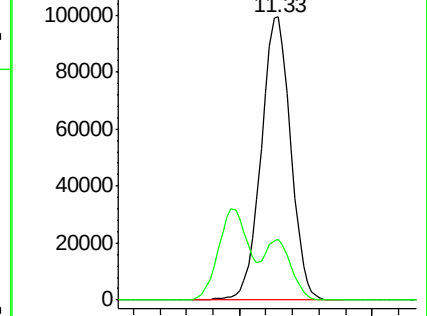
105 100

134 18.0 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: 26.25 ug/l

RT: 11.69 min Scan# 3453

Delta R.T. 0.22 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

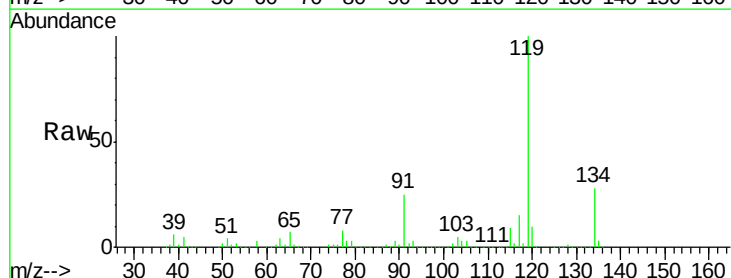
Tgt Ion:119 Resp: 279111

Ion Ratio Lower Upper

119 100

134 28.0 13.2 39.5

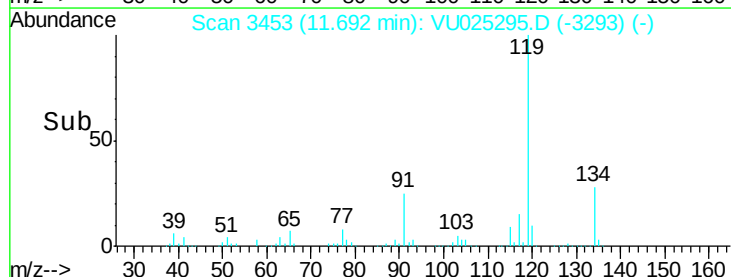
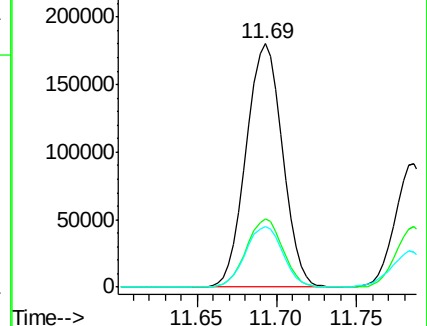
91 25.2 12.0 36.1

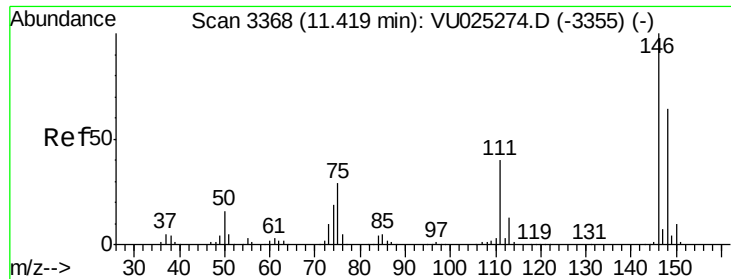


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

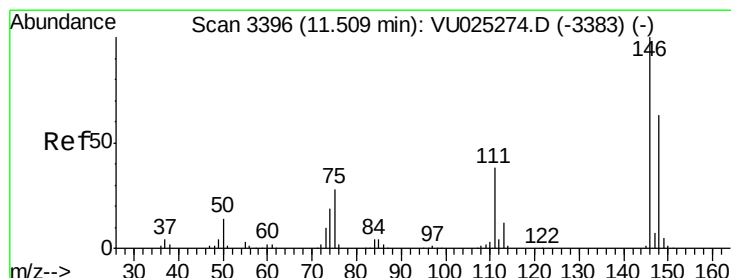
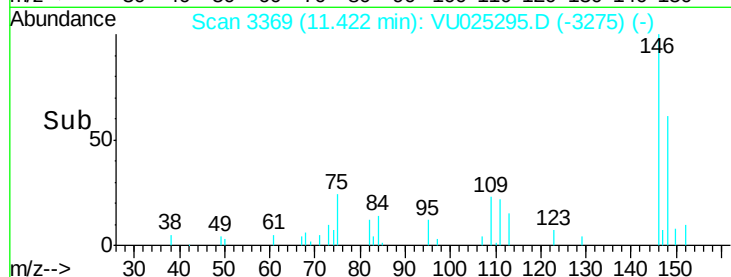
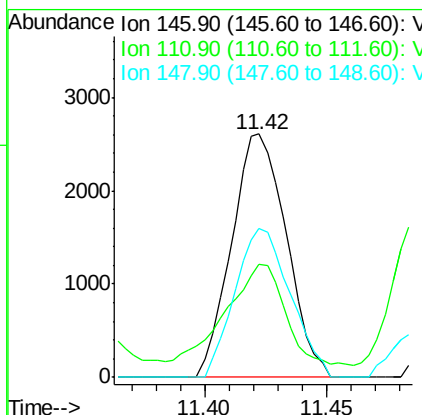
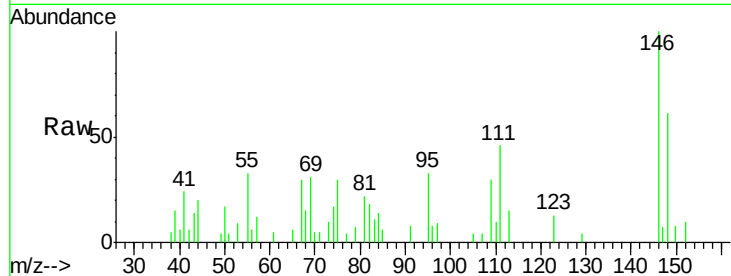




#87
 1,3-Dichlorobenzene
 Concen: 0.72 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

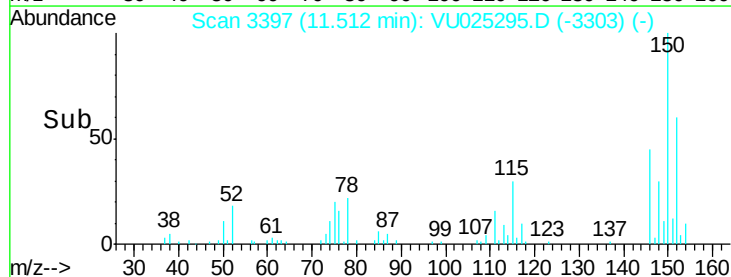
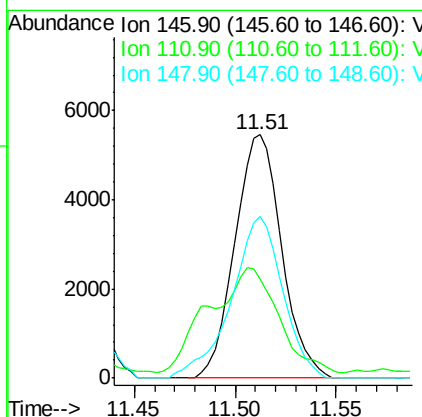
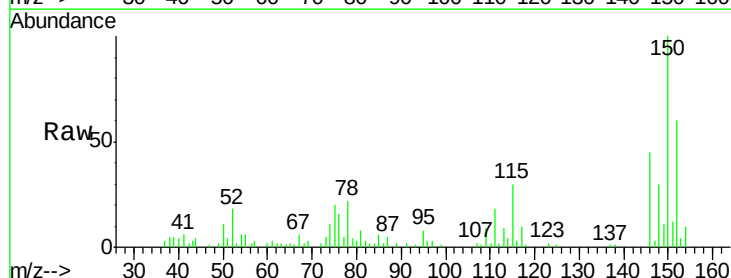
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW050-180704

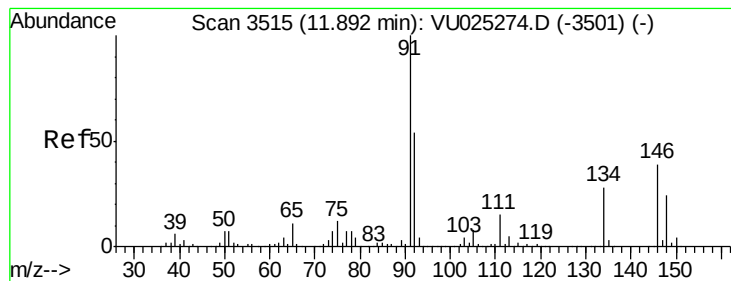
Tot Ion:146 Resp: 4058
 Ion Ratio Lower Upper
 146 100
 111 45.5 19.7 59.1
 148 61.8 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 3.06 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

Tgt Ion:146 Resp: 8864
 Ion Ratio Lower Upper
 146 100
 111 45.8 19.4 58.1
 148 72.6 31.7 95.1





#89

n-Butylbenzene

Concen: 1.32 ug/l

RT: 11.87 min Scan# 3508

Delta R.T. -0.02 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

SS038MW050-180704

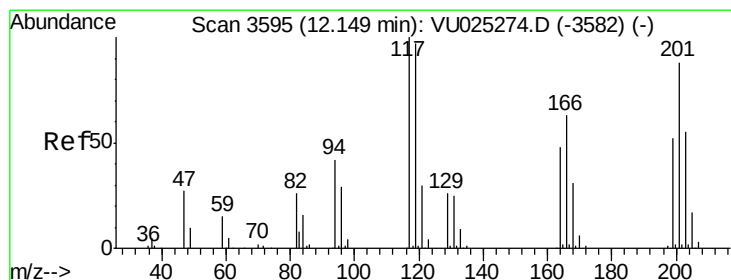
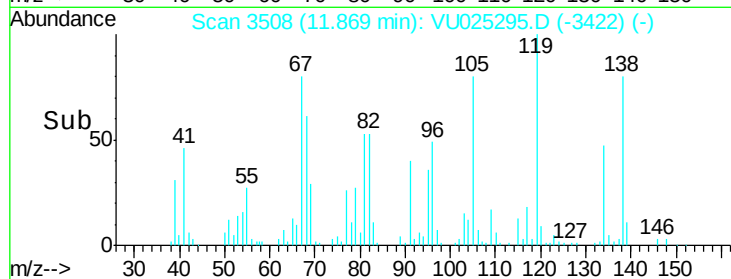
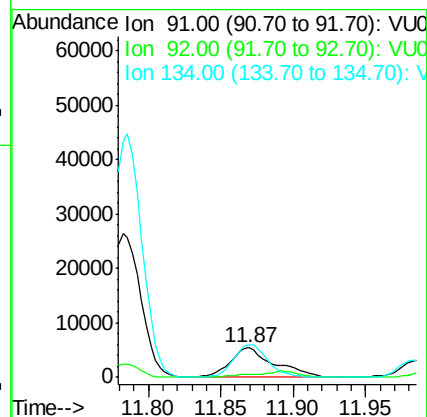
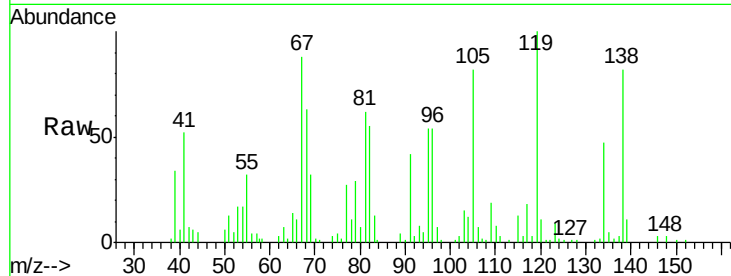
Tot Ion: 91 Resp: 11546

Ion Ratio Lower Upper

91 100

92 4.3 26.5 79.5#

134 85.3 13.6 40.7#



#90

Hexachloroethane

Concen: 40.17 ug/l

RT: 12.26 min Scan# 3628

Delta R.T. 0.11 min

Lab File: VU025295.D

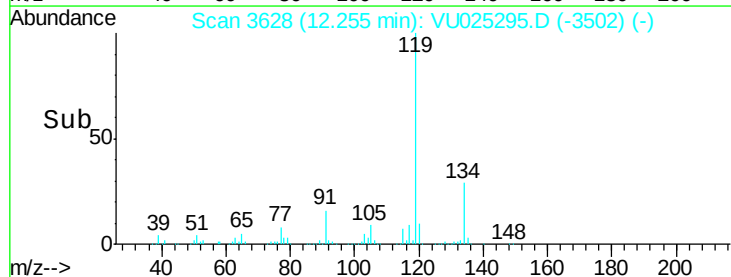
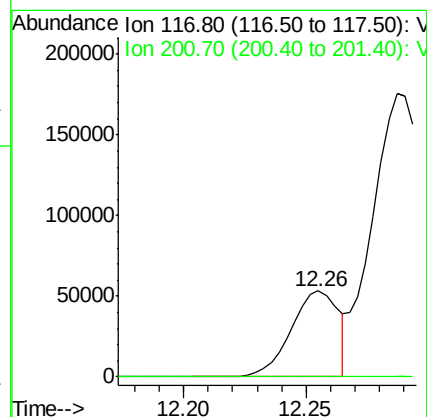
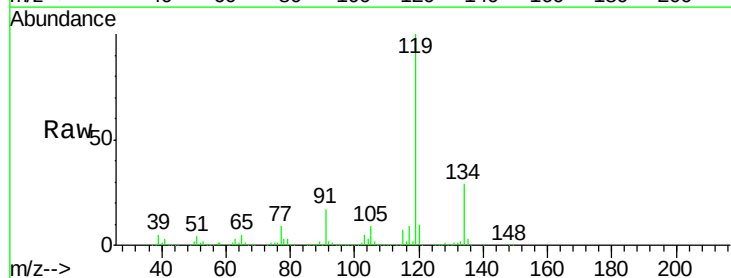
Acq: 10 Jul 2018 17:42

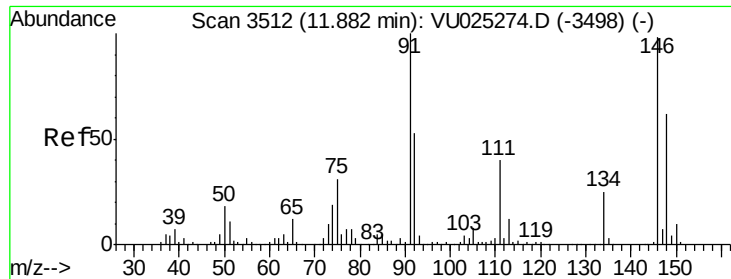
Tgt Ion: 117 Resp: 72317

Ion Ratio Lower Upper

117 100

201 0.0 42.5 127.6#

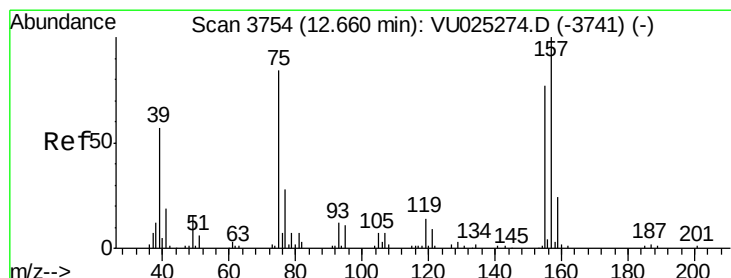
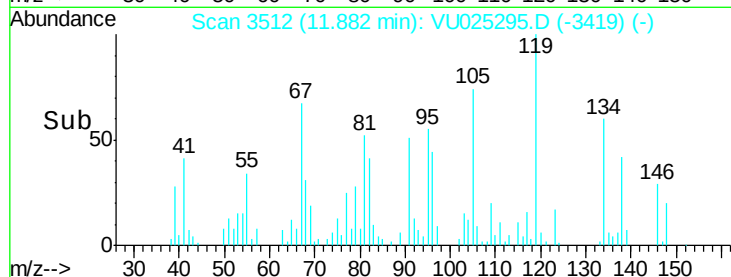
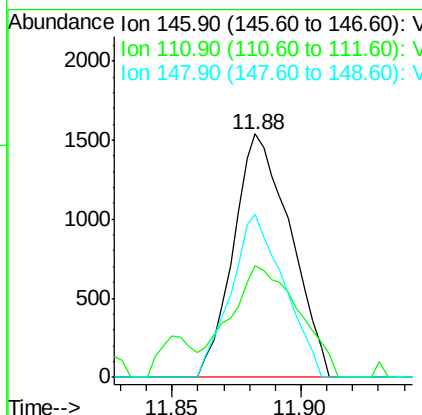
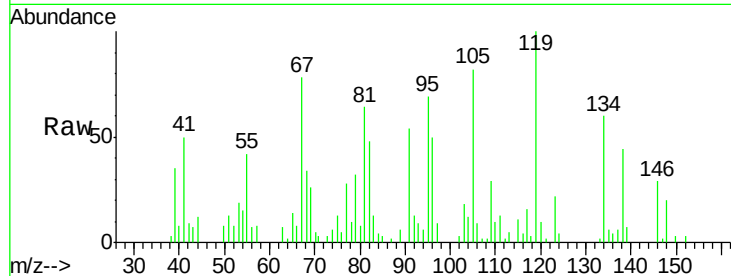




#91
 1,2-Dichlorobenzene
 Concen: 0.42 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

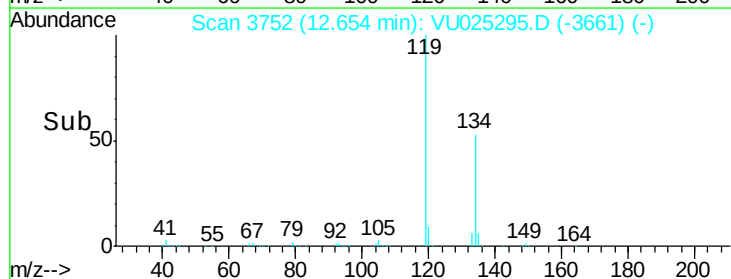
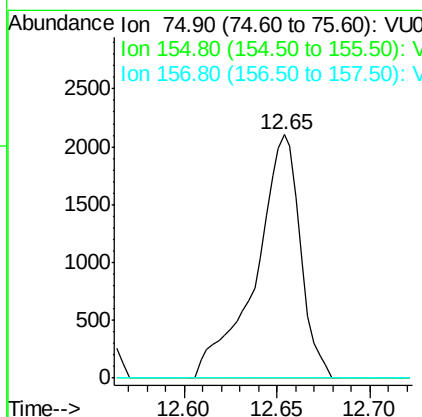
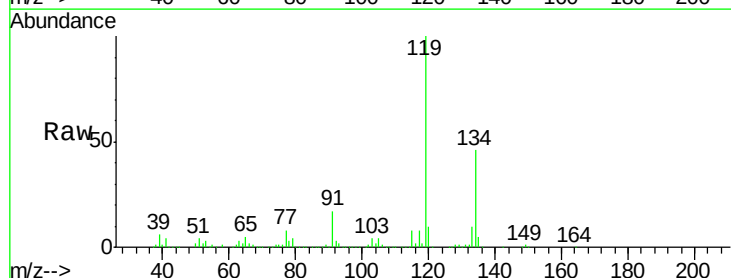
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW050-180704

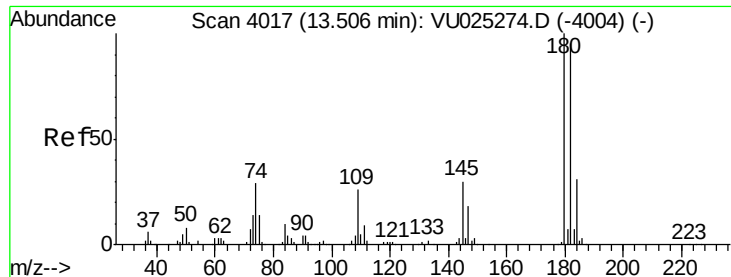
Tot Ion:146 Resp: 2367
 Ion Ratio Lower Upper
 146 100
 111 55.8 20.6 61.8
 148 62.6 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.71 ug/l
 RT: 12.65 min Scan# 3752
 Delta R.T. -0.01 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

Tgt Ion: 75 Resp: 3530
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.5 133.3#
 157 0.0 57.0 170.8#

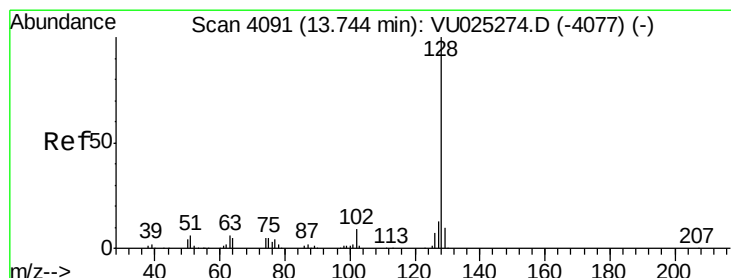
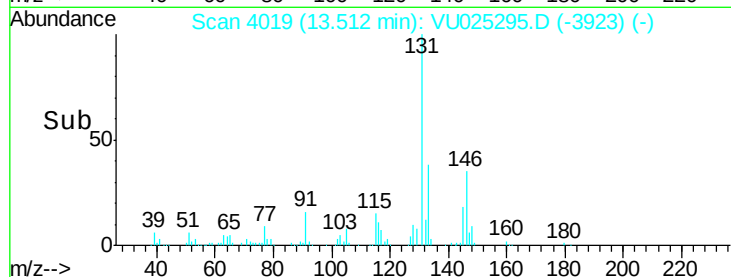
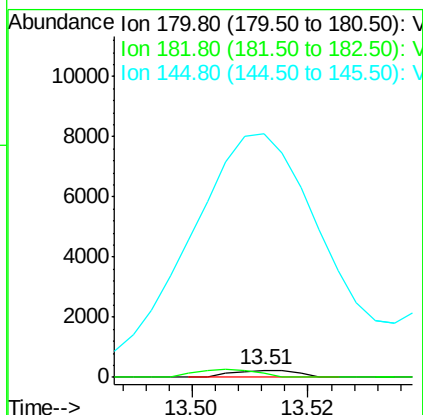
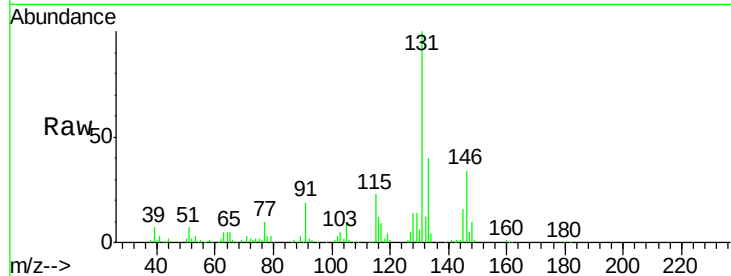




#93
 1,2,4-Trichlorobenzene
 Concen: 3.33 ug/l
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

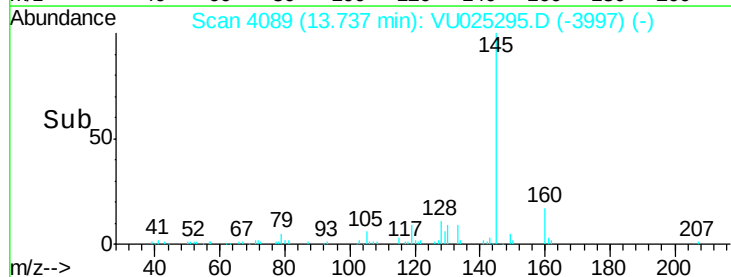
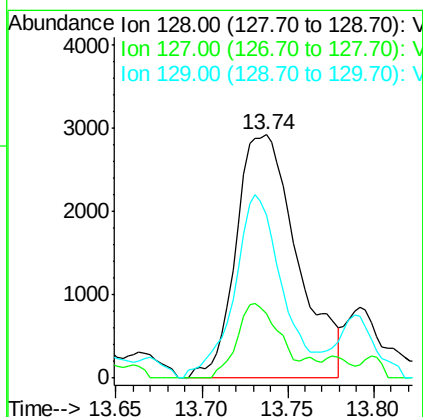
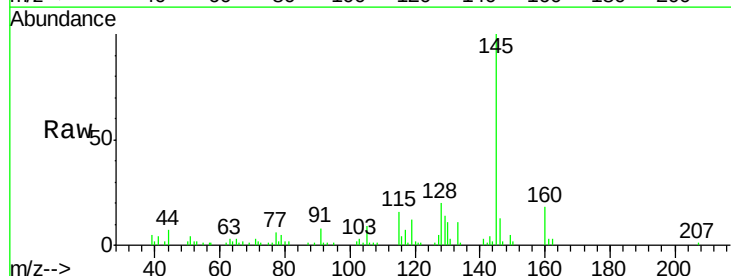
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW050-180704

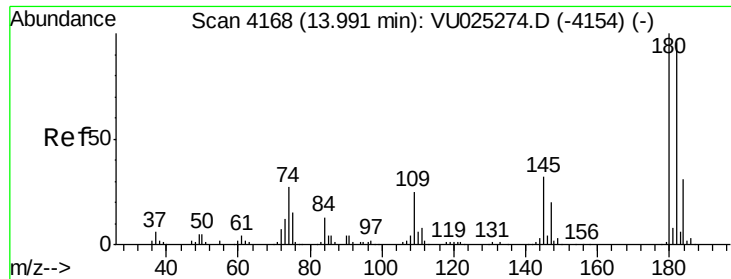
Tot Ion:180 Resp: 180
 Ion Ratio Lower Upper
 180 100
 182 107.8 47.3 141.9
 145 6860.6 14.9 44.7#



#95
 Naphthalene
 Concen: 3.01 ug/l
 RT: 13.74 min Scan# 4089
 Delta R.T. -0.01 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

Tgt Ion:128 Resp: 7218
 Ion Ratio Lower Upper
 128 100
 127 21.2 10.5 15.7#
 129 58.4 8.3 12.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.56 ug/l
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.00 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW050-180704

Tot Ion:180 Resp: 123
 Ion Ratio Lower Upper
 180 100
 182 39.0 47.8 143.3#
 145 0.0 15.6 46.8#

