

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025298.D
 Acq On : 10 Jul 2018 18:55
 Operator : MD/SY
 Sample : J3898-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038RW016-180704

Quant Time: Jul 11 02:04:57 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	209984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309082	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	152162	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	154894	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.96%		
35) Dibromofluoromethane	4.89	113	121688	46.67	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.34%		
50) Toluene-d8	7.57	98	449902	50.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.78%		
62) 4-Bromofluorobenzene	10.31	95	162914	45.32	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.64%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	606	0.84	ug/l	94
4) Vinyl Chloride	1.40	62	30453	12.75	ug/l	98
5) Bromomethane	1.64	94	485	Below Cal		89
6) Chloroethane	1.65	64	446	0.58	ug/l #	43
10) Methyl Iodide	2.42	142	313	7.81	ug/l #	47
11) Tert butyl alcohol	2.83	59	1420	2.00	ug/l #	73
13) Acrolein	2.19	56	162	0.34	ug/l #	1
14) Allyl chloride	2.71	41	11021	2.86	ug/l #	56
15) Acrylonitrile	2.70	53	763	0.52	ug/l #	25
16) Acetone	2.32	43	37784	27.12	ug/l	100
17) Carbon Disulfide	2.48	76	1779	2.21	ug/l #	74
18) Methyl Acetate	2.71	43	24417	7.31	ug/l #	52
27) cis-1,2-Dichloroethene	4.24	96	11044	3.92	ug/l	88
31) Cyclohexane	4.99	56	4929	1.92	ug/l #	24
36) 1,1-Dichloropropene	4.99	75	14867	4.33	ug/l #	50
38) Carbon Tetrachloride	4.99	117	20445	5.53	ug/l #	16
39) Methylcyclohexane	6.41	83	1156	0.27	ug/l #	72
40) Benzene	5.40	78	6394	0.65	ug/l	95
42) 1,2-Dichloroethane	5.42	62	1315	0.33	ug/l #	77
43) Isopropyl Acetate	5.54	43	7551	1.23	ug/l #	61
48) Methyl methacrylate	6.59	41	1633	0.53	ug/l #	28
55) 1,1,2-Trichloroethane	8.05	97	747	0.28	ug/l #	15
59) 2-Hexanone	8.17	43	739	0.23	ug/l	64
65) Chlorobenzene	9.12	112	147192	20.67	ug/l	97
74) N-amyl acetate	10.04	43	205	1.31	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	86310	27.87	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	86310	71.20	ug/l #	100
83) tert-Butylbenzene	11.10	119	13379	1.35	ug/l	86
84) 1,2,4-Trimethylbenzene	11.33	105	6700	0.67	ug/l #	32
85) sec-Butylbenzene	11.33	105	6700	0.58	ug/l #	56
86) p-Isopropyltoluene	11.69	119	64453	6.25	ug/l	97
87) 1,3-Dichlorobenzene	11.43	146	1349	0.25	ug/l #	80
88) 1,4-Dichlorobenzene	11.51	146	3035	2.04	ug/l #	50
90) Hexachloroethane	12.26	117	1478	0.85	ug/l #	7

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Response via : Initial Calibration

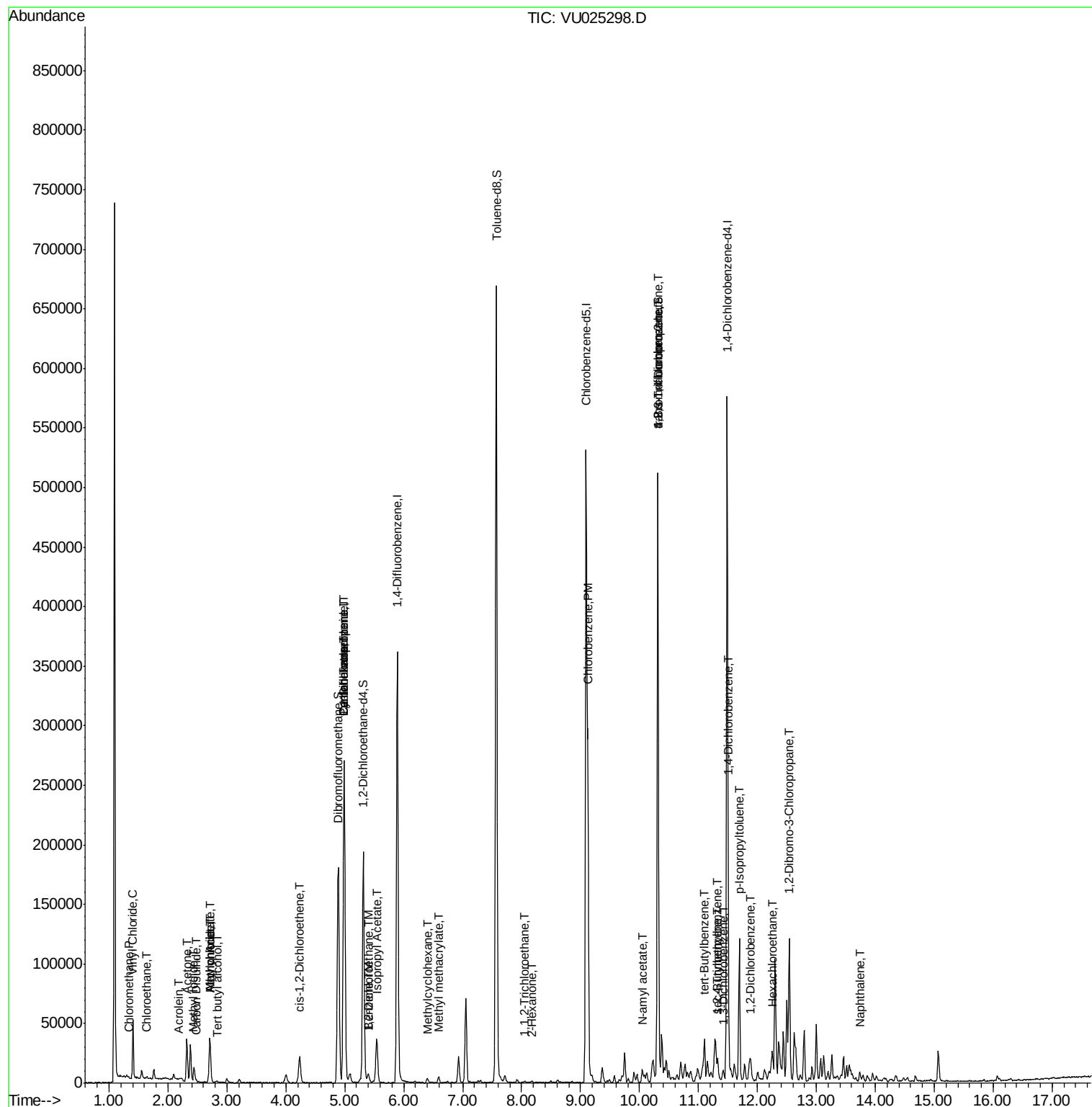
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	11.89	146	2716	0.49	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	12.54	75	844	0.91	ug/l #	1
95) Naphthalene	13.73	128	353	2.44	ug/l #	1

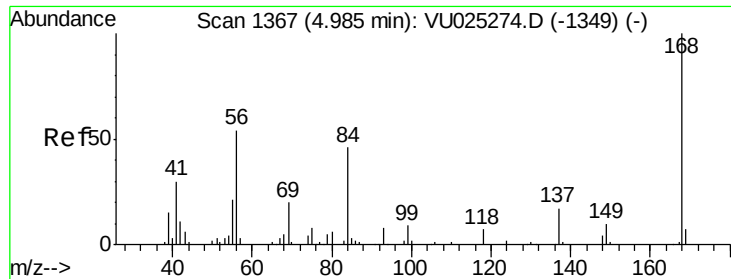
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VU025298.D

Acq: 10 Jul 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

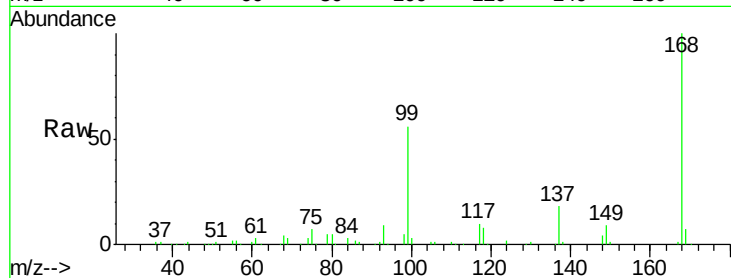
SS038RW016-180704

Tot Ion:168 Resp: 209984

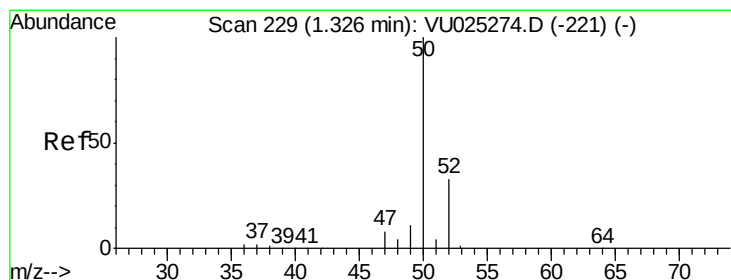
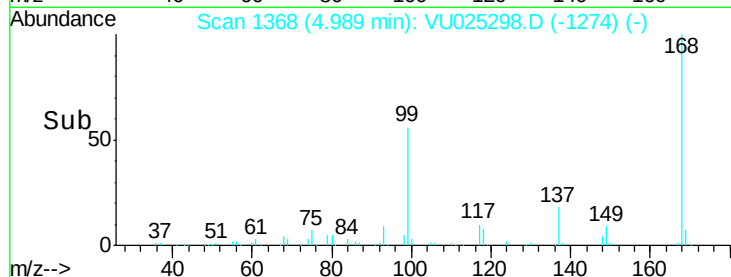
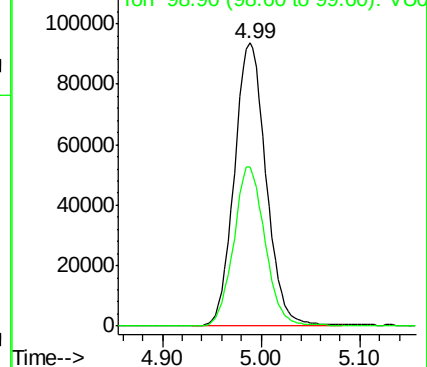
Ion Ratio Lower Upper

168 100

99 56.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025298.D (-1274) (-)



#3

Chloromethane

Concen: 0.84 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025298.D

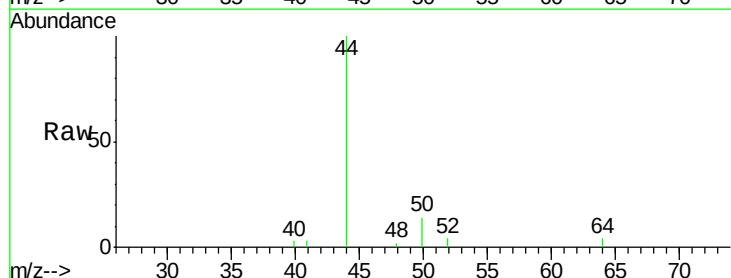
Acq: 10 Jul 2018 18:55

Tgt Ion: 50 Resp: 606

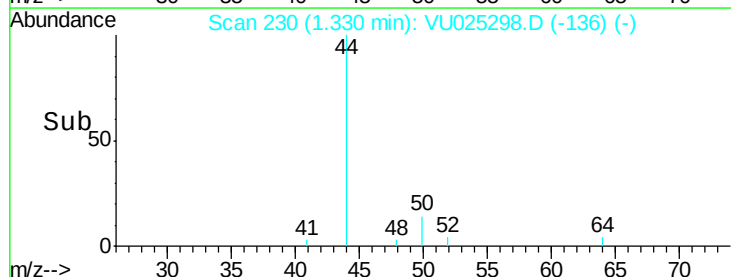
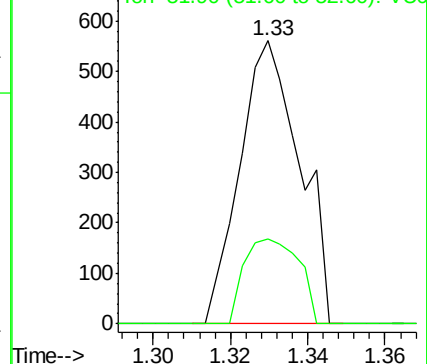
Ion Ratio Lower Upper

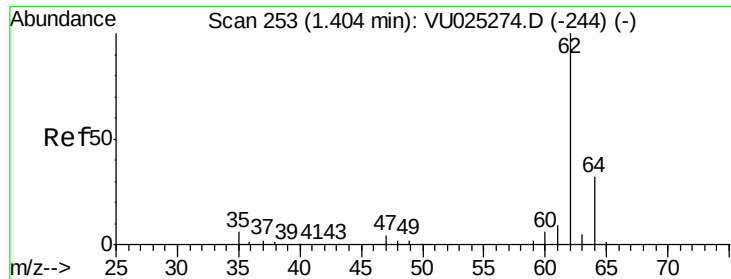
50 100

52 29.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025298.D (-136) (-)





#4

Vinyl Chloride

Concen: 12.75 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

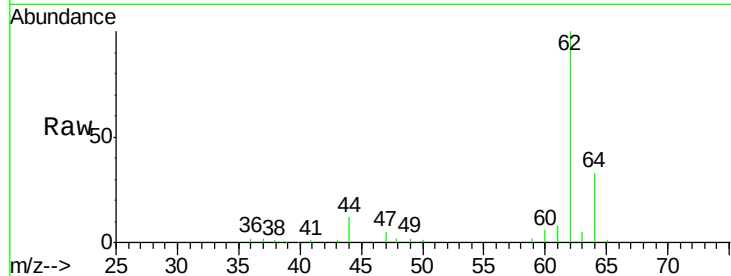
SS038RW016-180704

Tot Ion: 62 Resp: 30453

Ion Ratio Lower Upper

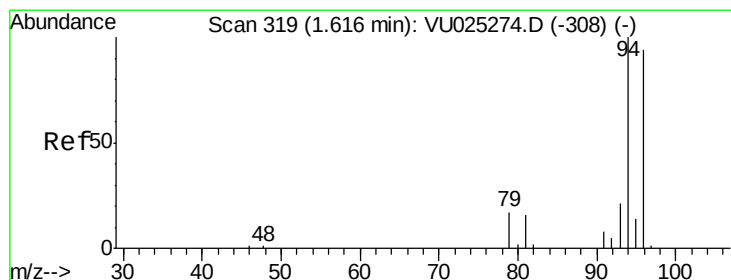
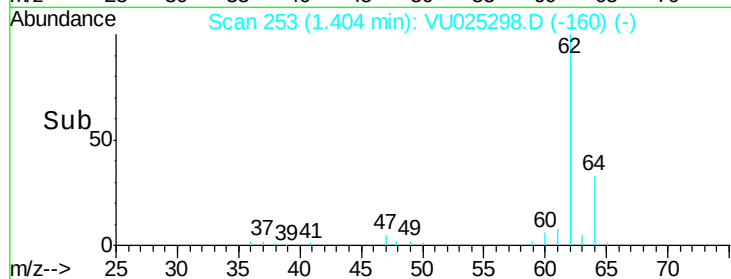
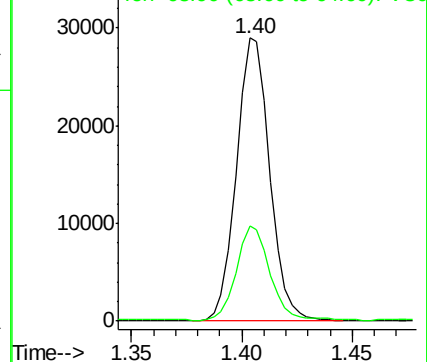
62 100

64 33.1 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# 327

Delta R.T. 0.03 min

Lab File: VU025298.D

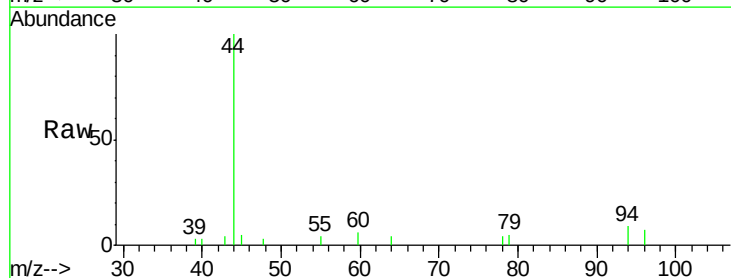
Acq: 10 Jul 2018 18:55

Tgt Ion: 94 Resp: 485

Ion Ratio Lower Upper

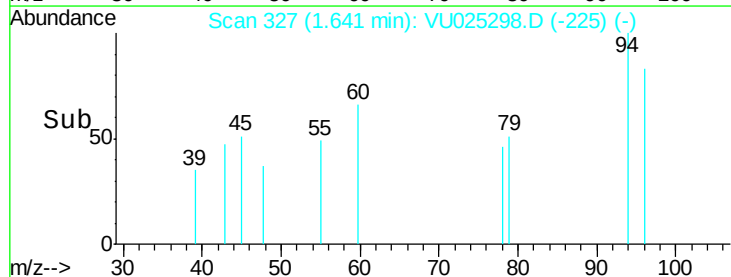
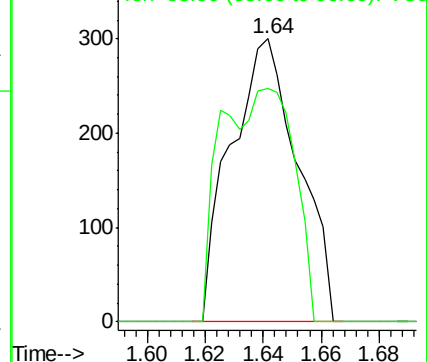
94 100

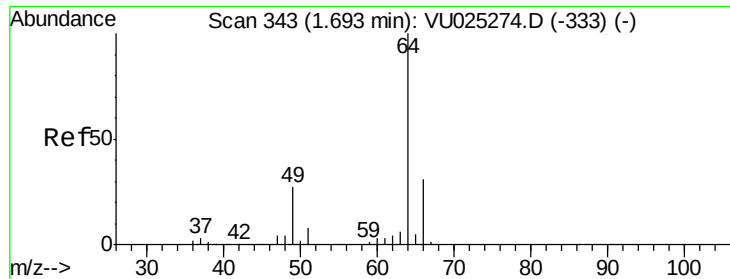
96 82.7 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: 0.58 ug/l

RT: 1.65 min Scan# 330

Delta R.T. -0.04 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

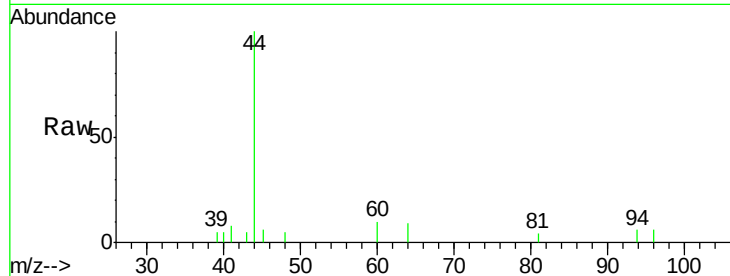
SS038RW016-180704

Tot Ion: 64 Resp: 446

Ion Ratio Lower Upper

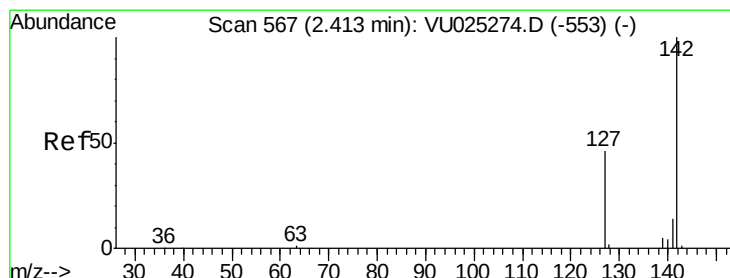
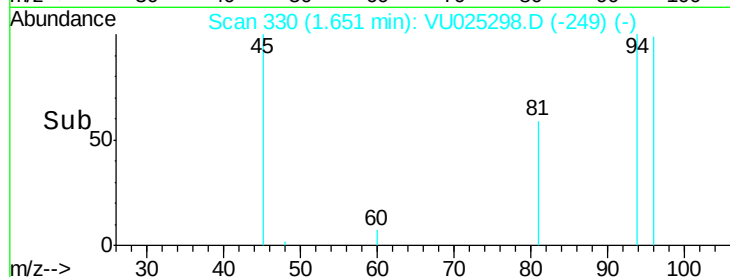
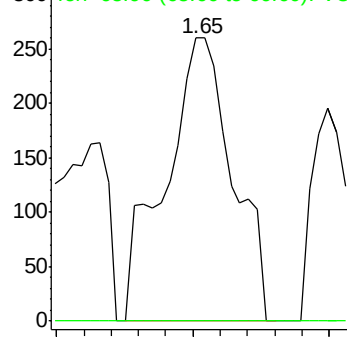
64 100

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: 7.81 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

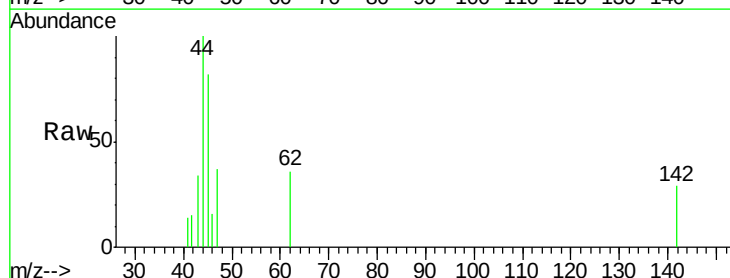
Tgt Ion: 142 Resp: 313

Ion Ratio Lower Upper

142 100

127 6.7 36.5 54.7#

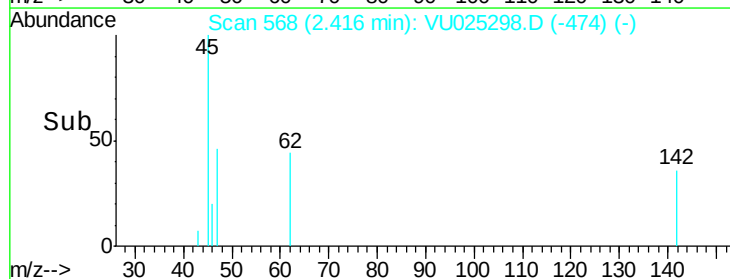
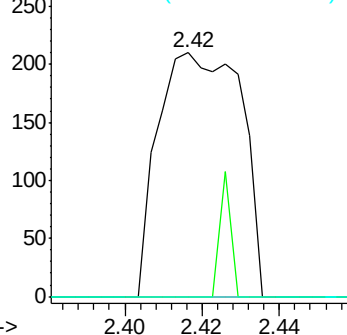
141 0.0 11.4 17.2#

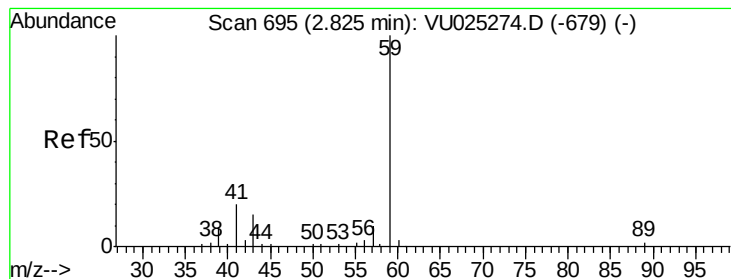


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



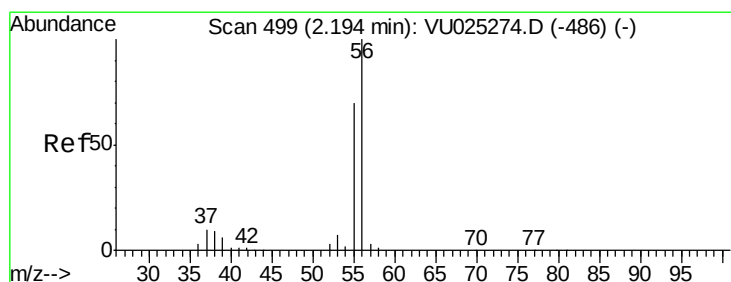
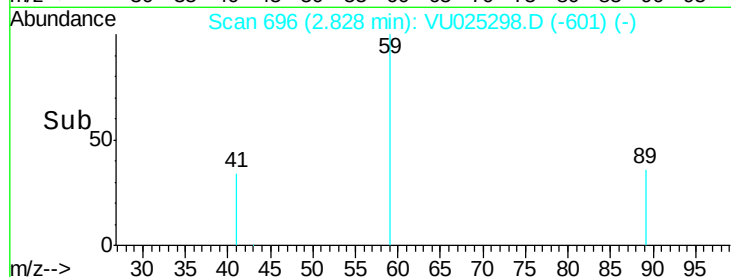
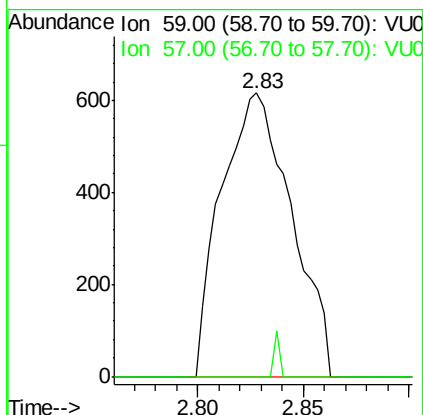
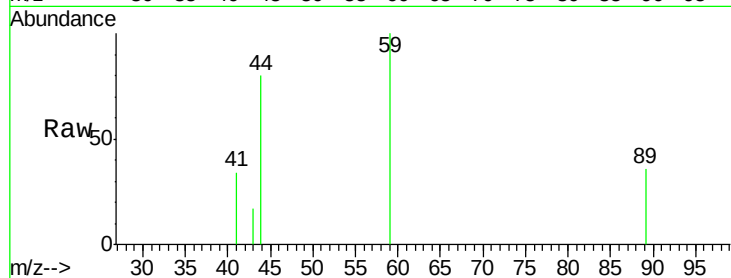


#11

Tert butyl alcohol
 Concen: 2.00 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025298.D
 Acq: 10 Jul 2018 18:55

Instrument :
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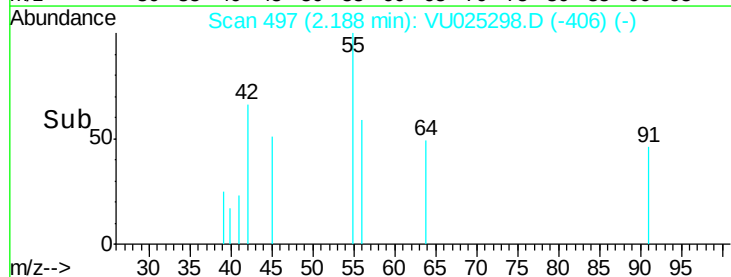
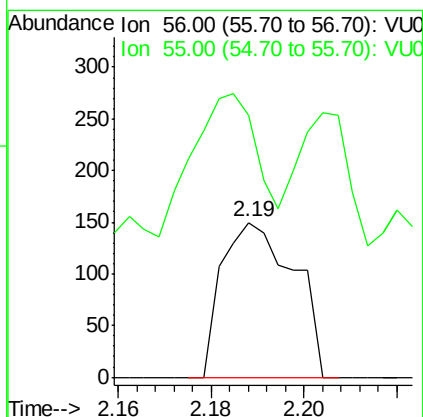
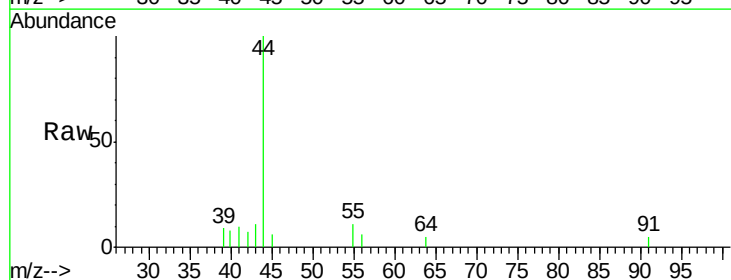
Tot Ion: 59 Resp: 1420
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

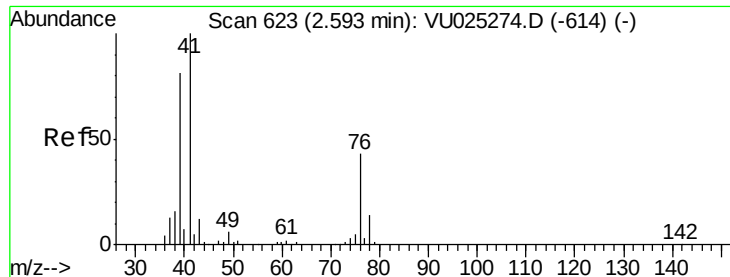


#13

Acrolein
 Concen: 0.34 ug/l
 RT: 2.19 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VU025298.D
 Acq: 10 Jul 2018 18:55

Tgt Ion: 56 Resp: 162
 Ion Ratio Lower Upper
 56 100
 55 280.2 57.2 85.8#





#14

Allvl chloride

Concen: 2.86 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.12 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SS038RW016-180704

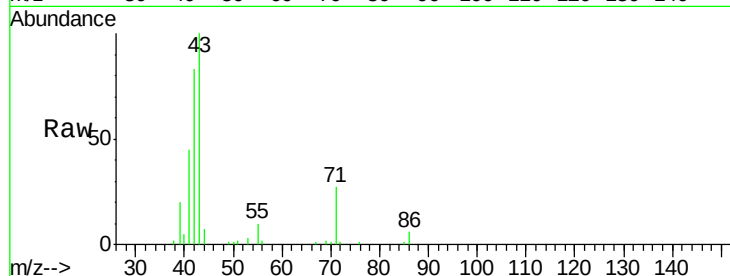
Tot Ion: 41 Resp: 11021

Ion Ratio Lower Upper

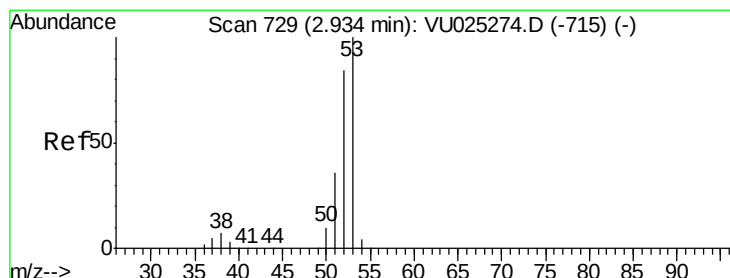
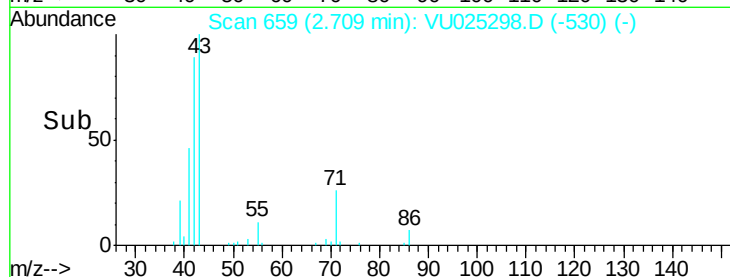
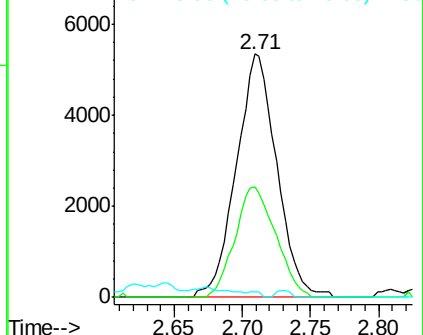
41 100

39 45.5 60.6 91.0#

76 0.9 30.5 45.7#



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



#15

Acrylonitrile

Concen: 0.52 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.23 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

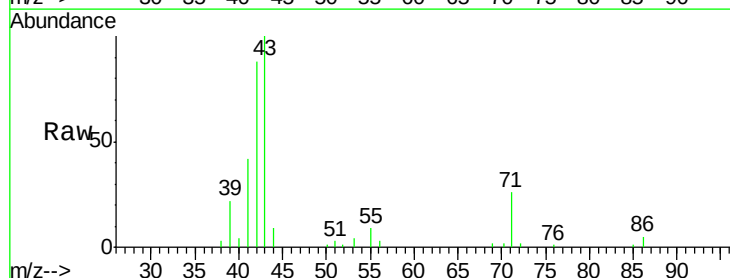
Tgt Ion: 53 Resp: 763

Ion Ratio Lower Upper

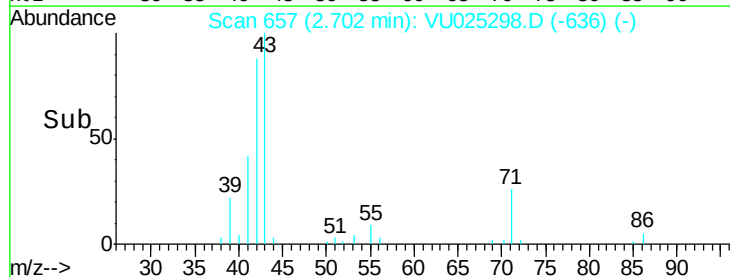
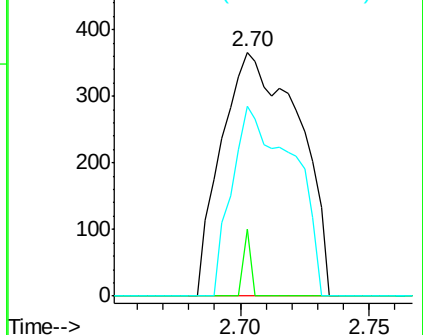
53 100

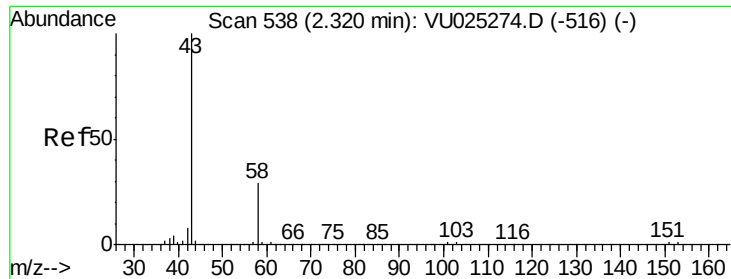
52 2.5 66.6 99.8#

51 61.6 29.4 44.2#



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0





#16

Acetone

Concen: 27.12 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

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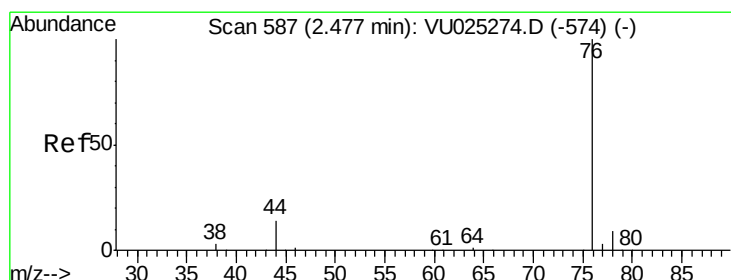
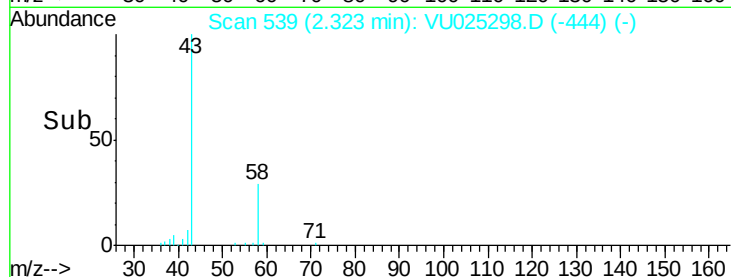
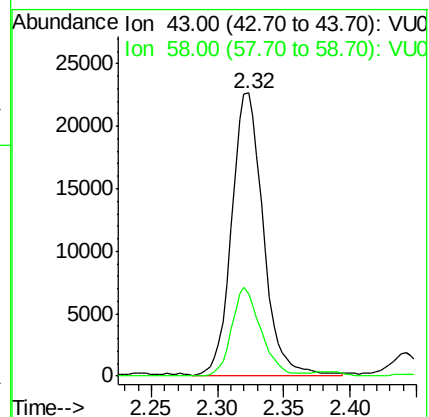
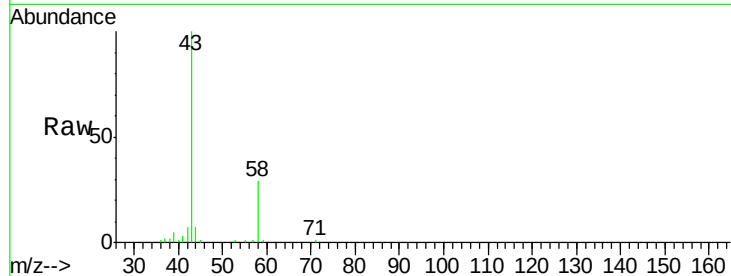
SS038RW016-180704

Tot Ion: 43 Resp: 37784

Ion Ratio Lower Upper

43 100

58 29.0 23.1 34.7



#17

Carbon Disulfide

Concen: 2.21 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025298.D

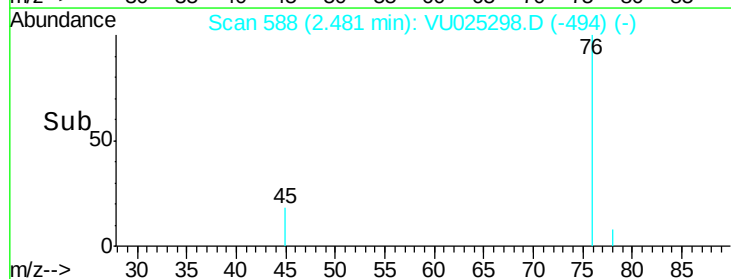
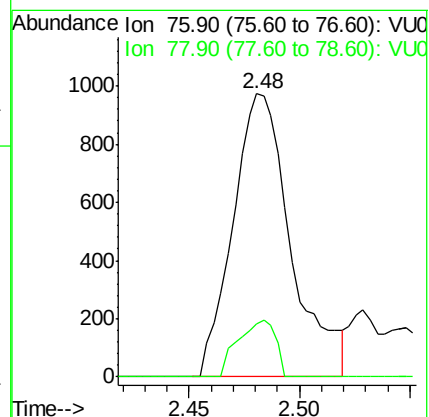
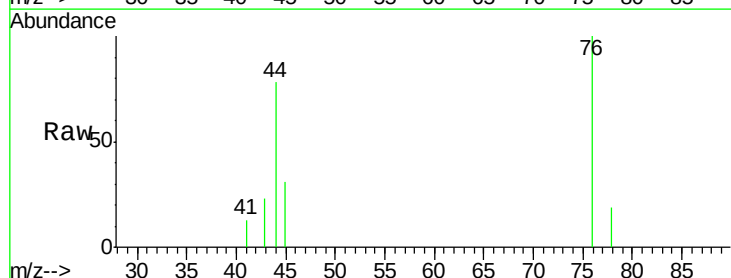
Acq: 10 Jul 2018 18:55

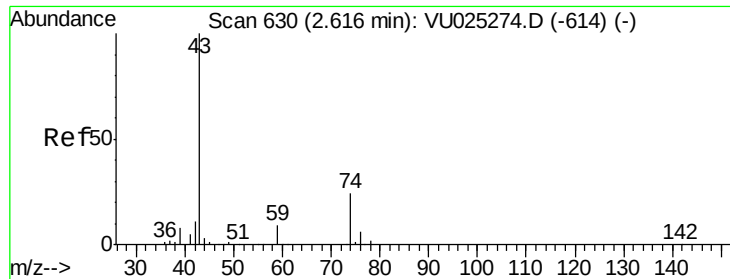
Tgt Ion: 76 Resp: 1779

Ion Ratio Lower Upper

76 100

78 18.8 7.4 11.2#

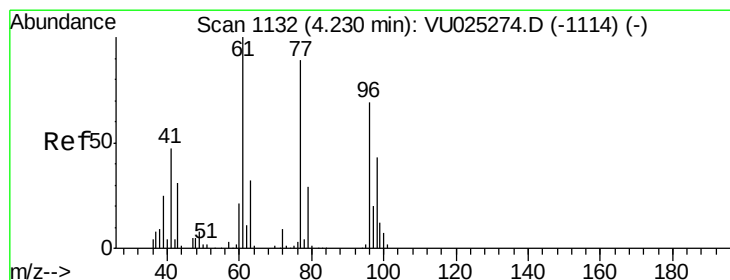
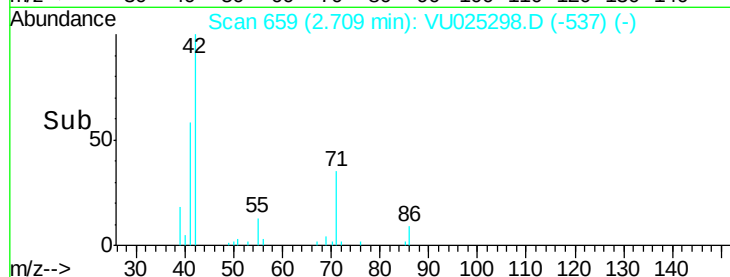
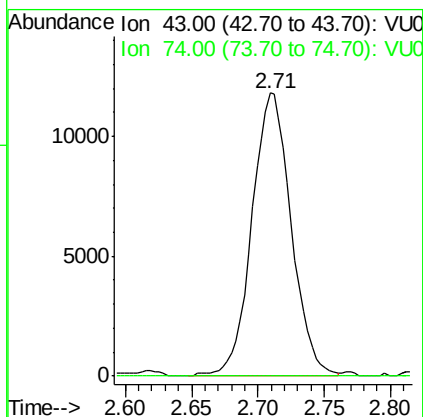
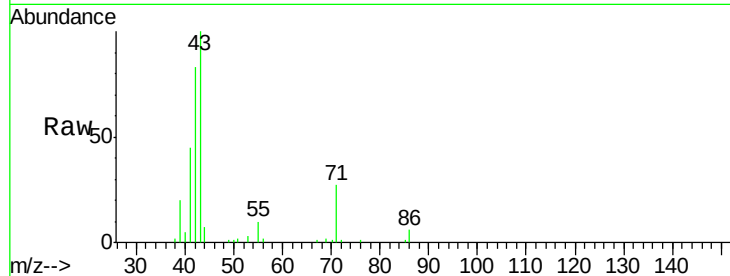




#18
Methvl Acetate
Concen: 7.31 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.09 min
Lab File: VU025298.D
Acq: 10 Jul 2018 18:55

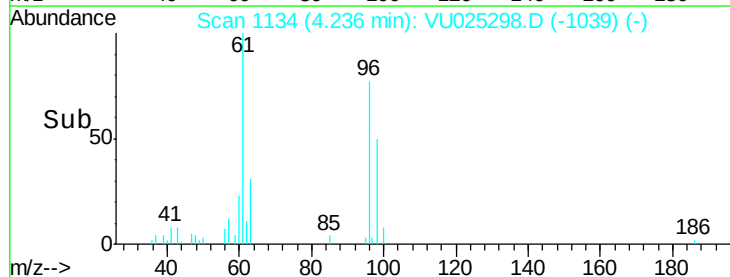
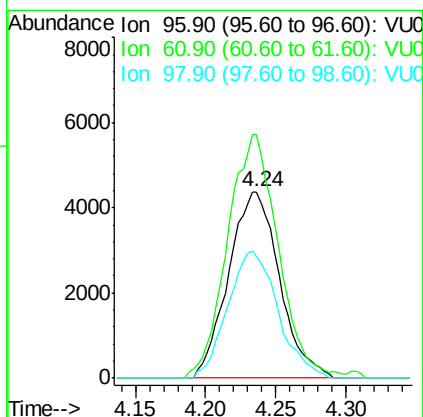
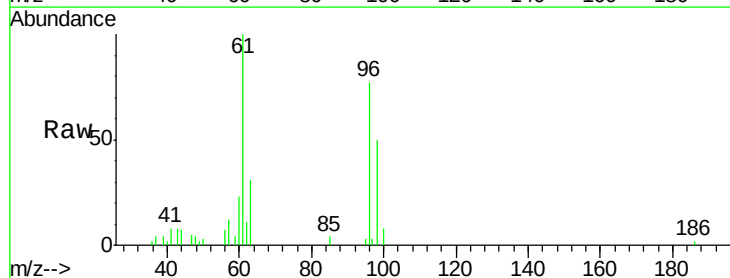
Instrument :
MSVOA_U
ClientSampleId :
SS038RW016-180704

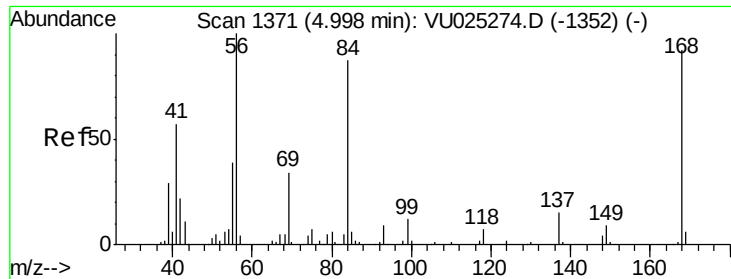
Tot Ion: 43 Resp: 24417
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



#27
cis-1,2-Dichloroethene
Concen: 3.92 ug/l
RT: 4.24 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VU025298.D
Acq: 10 Jul 2018 18:55

Tgt Ion: 96 Resp: 11044
Ion Ratio Lower Upper
96 100
61 130.0 0.0 299.8
98 67.2 0.0 128.6

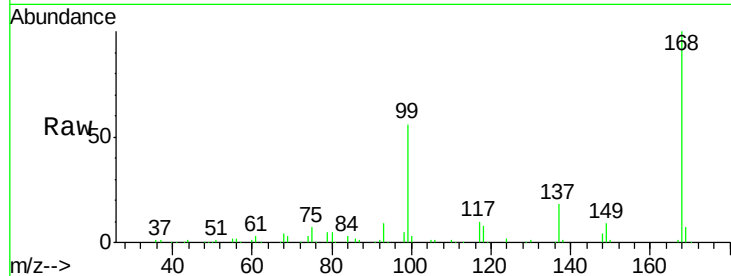




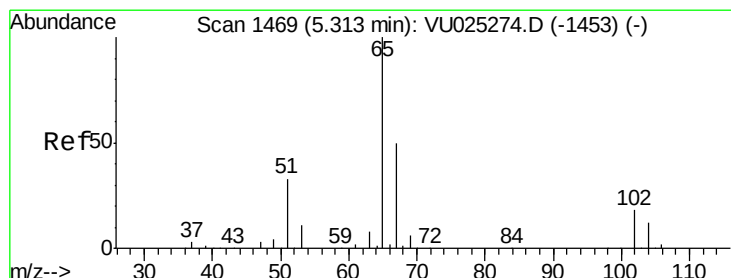
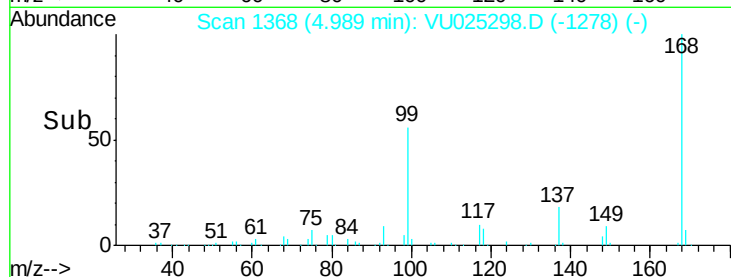
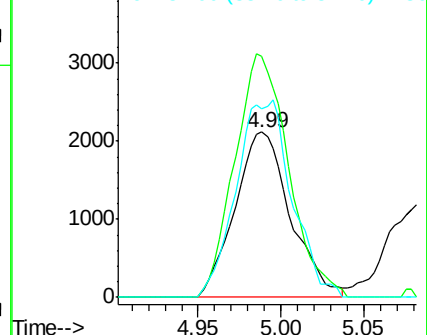
#31
Cyclohexane
Concen: 1.92 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025298.D
Acq: 10 Jul 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SS038RW016-180704

Tot Ion: 56 Resp: 4929
Ion Ratio Lower Upper
56 100
69 145.8 26.8 40.2#
84 113.7 69.7 104.5#

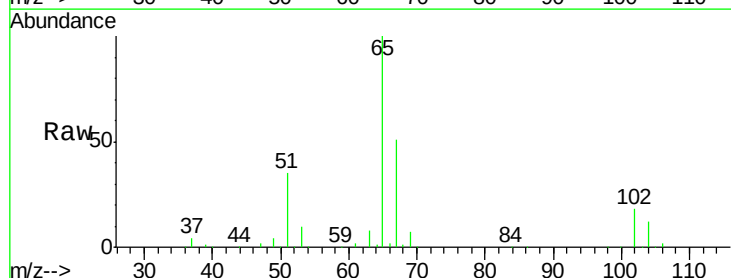


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

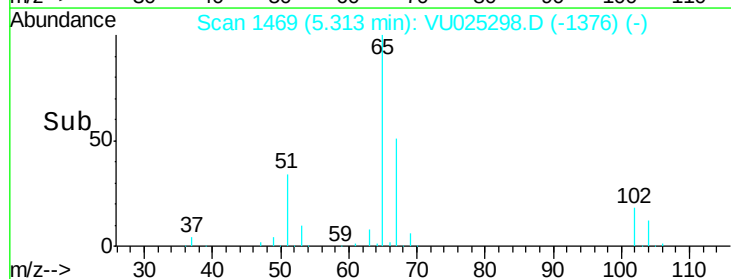
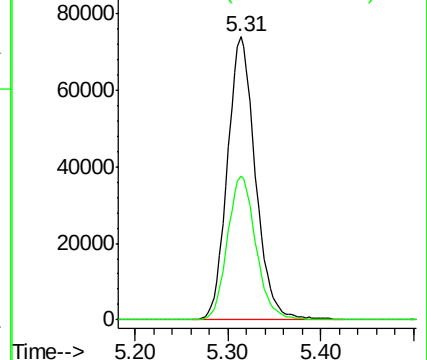


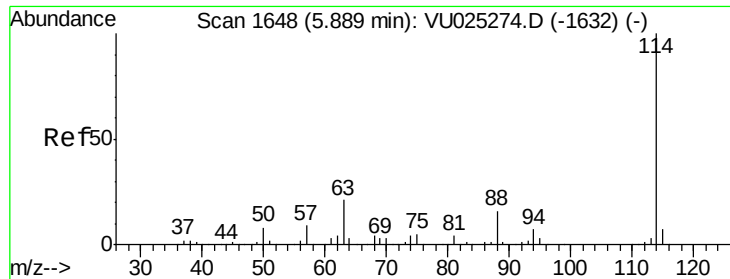
#33
1,2-Dichloroethane-d4
Concen: 47.48 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025298.D
Acq: 10 Jul 2018 18:55

Tgt Ion: 65 Resp: 154894
Ion Ratio Lower Upper
65 100
67 51.6 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# 1649

Delta R.T. 0.00 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SS038RW016-180704

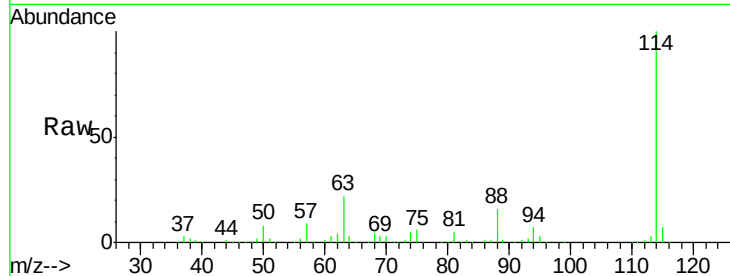
Tot Ion:114 Resp: 309082

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.6

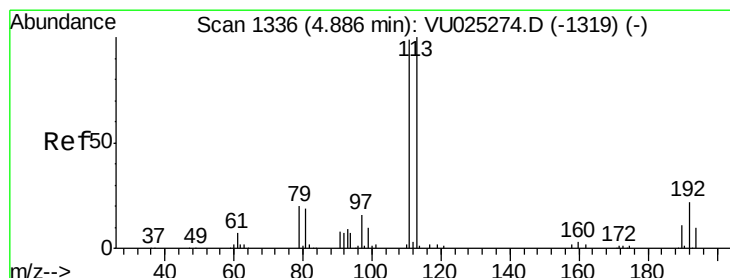
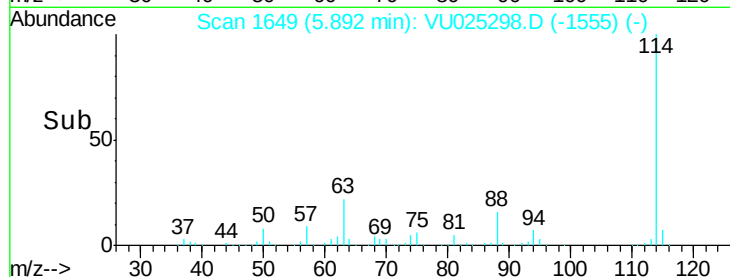
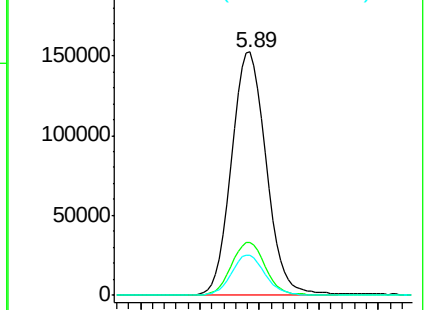
88 16.4 0.0 32.4



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: 46.67 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

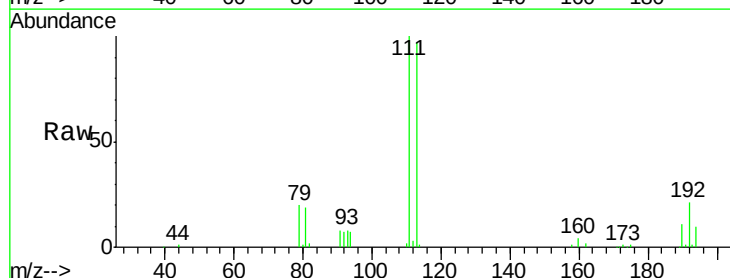
Tgt Ion:113 Resp: 121688

Ion Ratio Lower Upper

113 100

111 103.7 81.7 122.5

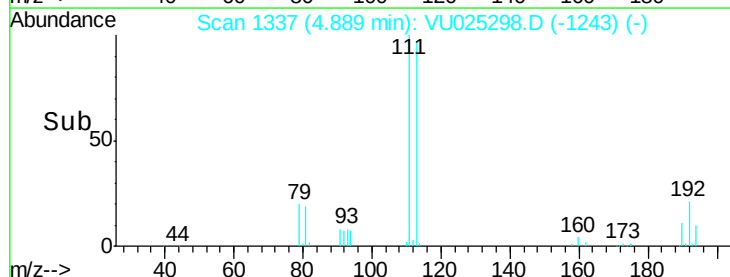
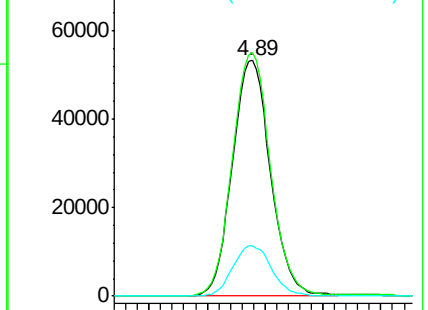
192 21.8 17.1 25.7

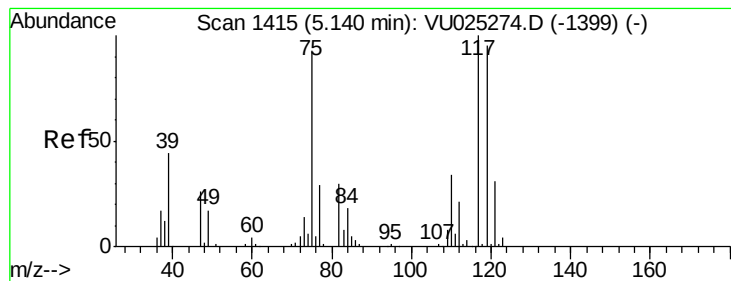


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.33 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SS038RW016-180704

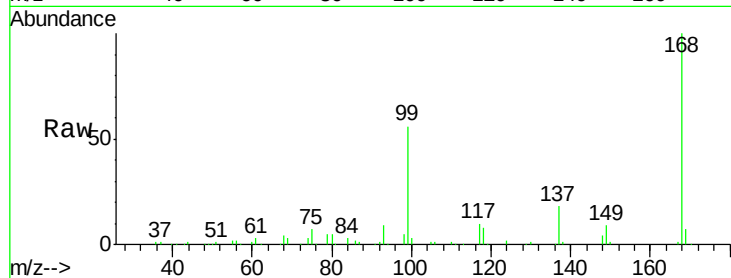
Tot Ion: 75 Resp: 14867

Ion Ratio Lower Upper

75 100

110 9.1 17.6 52.9#

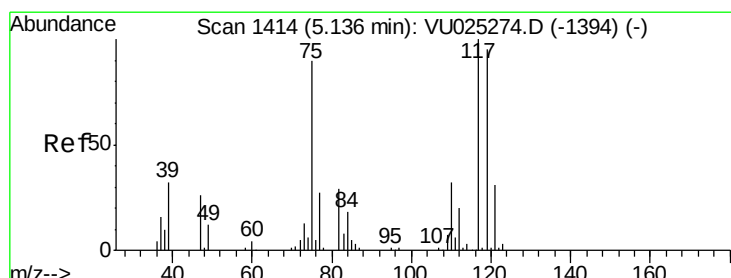
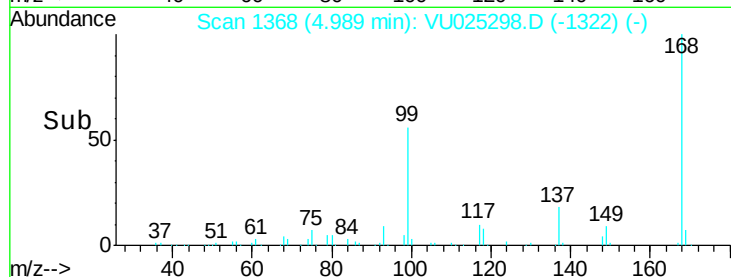
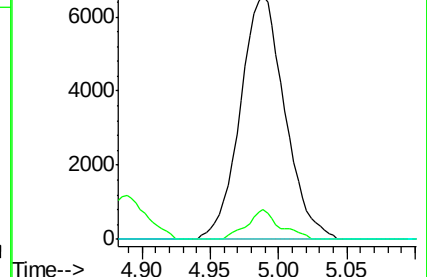
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VU025298.D (-1368) (-)

Ion 109.90 (109.60 to 110.60): VU025298.D (-1368) (-)

Ion 76.90 (76.60 to 77.60): VU025298.D (-1368) (-)



#38

Carbon Tetrachloride

Concen: 5.53 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

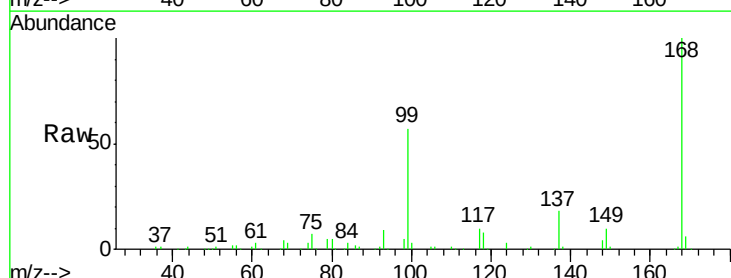
Tgt Ion: 117 Resp: 20445

Ion Ratio Lower Upper

117 100

119 4.1 75.7 113.5#

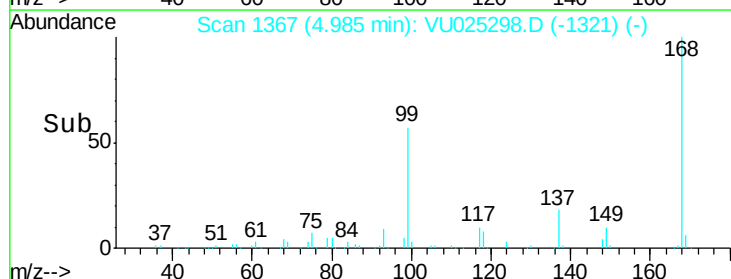
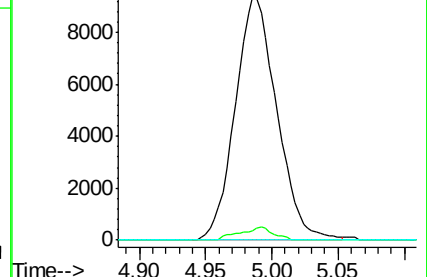
121 0.0 24.6 36.8#

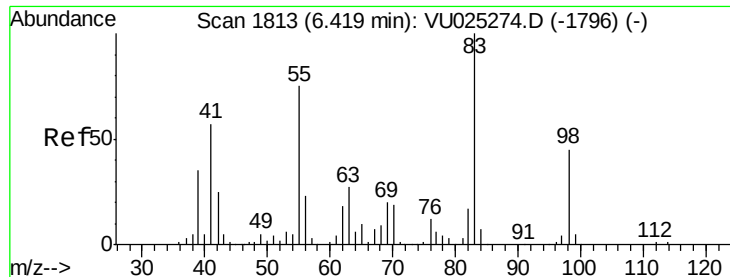


Abundance Ion 116.80 (116.50 to 117.50): VU025298.D (-1367) (-)

Ion 118.80 (118.50 to 119.50): VU025298.D (-1367) (-)

Ion 120.80 (120.50 to 121.50): VU025298.D (-1367) (-)

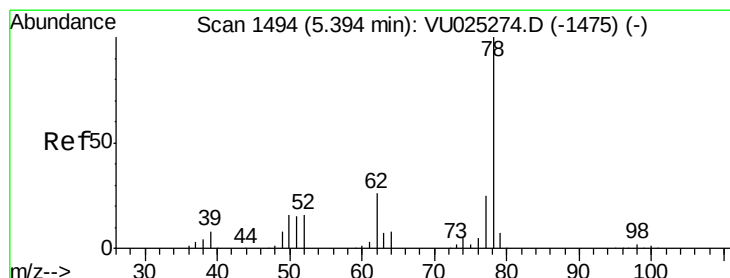
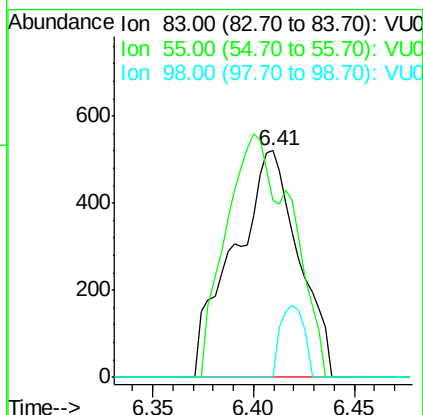
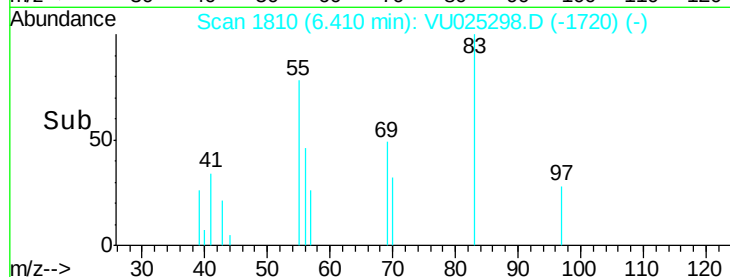
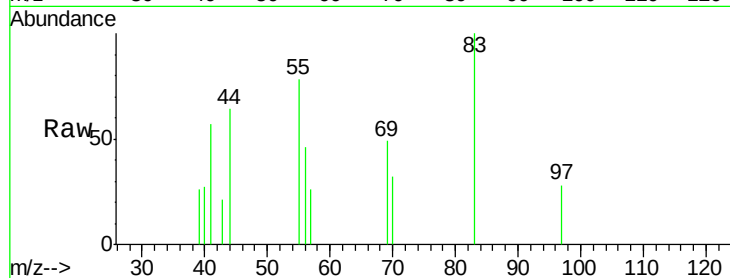




#39
Methylvlcyclohexane
Concen: 0.27 ug/l
RT: 6.41 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VU025298.D
Acq: 10 Jul 2018 18:55

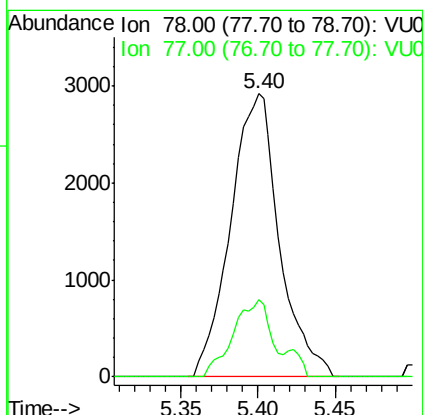
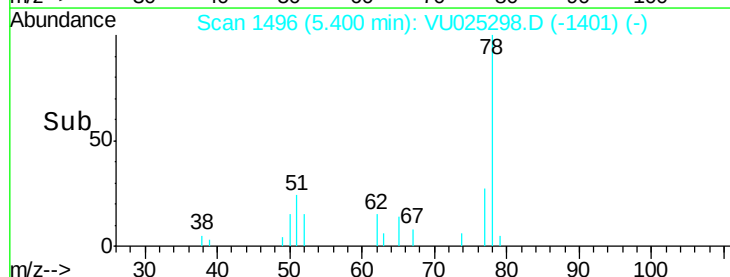
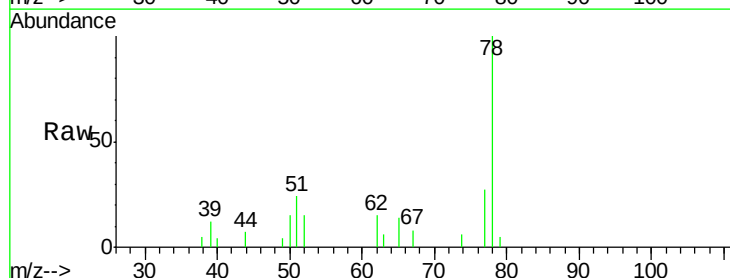
Instrument :
MSVOA_U
ClientSampleId :
SS038RW016-180704

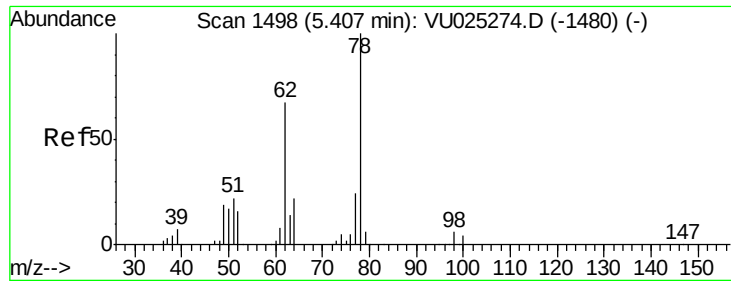
Tot Ion: 83 Resp: 1156
Ion Ratio Lower Upper
83 100
55 77.9 60.0 90.0
98 0.0 36.1 54.1#



#40
Benzene
Concen: 0.65 ug/l
RT: 5.40 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VU025298.D
Acq: 10 Jul 2018 18:55

Tgt Ion: 78 Resp: 6394
Ion Ratio Lower Upper
78 100
77 27.4 19.8 29.6

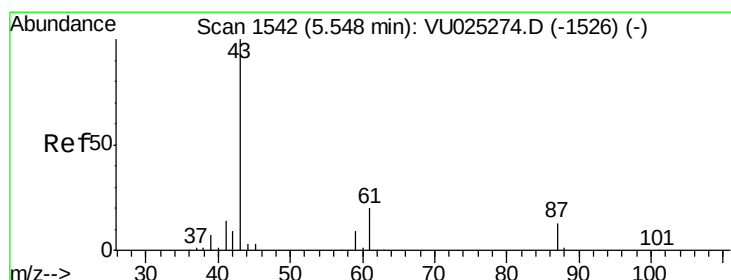
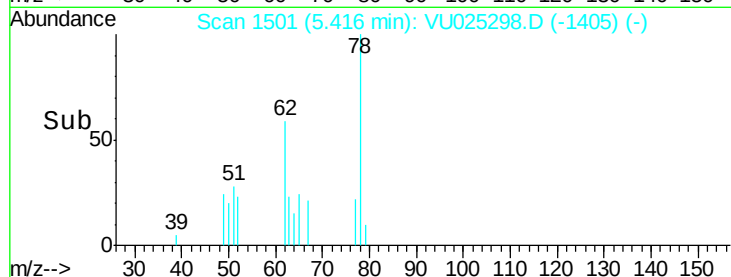
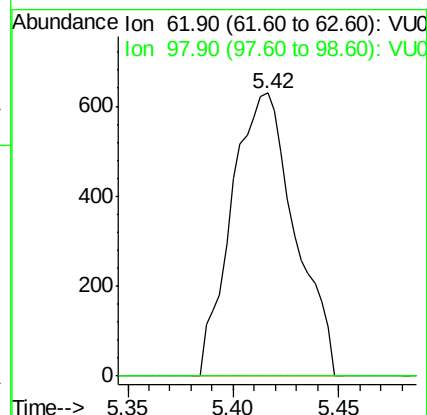
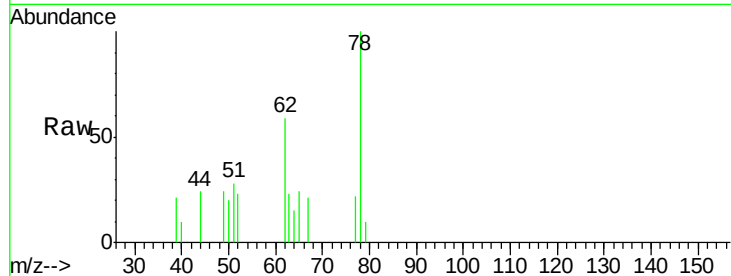




#42
 1,2-Dichloroethane
 Concen: 0.33 ug/l
 RT: 5.42 min Scan# 1501
 Delta R.T. 0.01 min
 Lab File: VU025298.D
 Acq: 10 Jul 2018 18:55

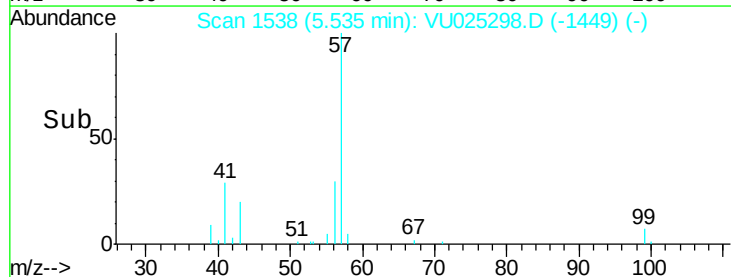
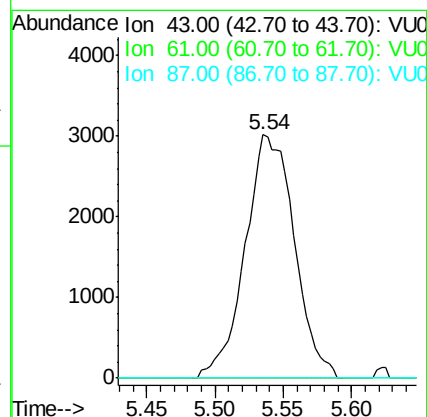
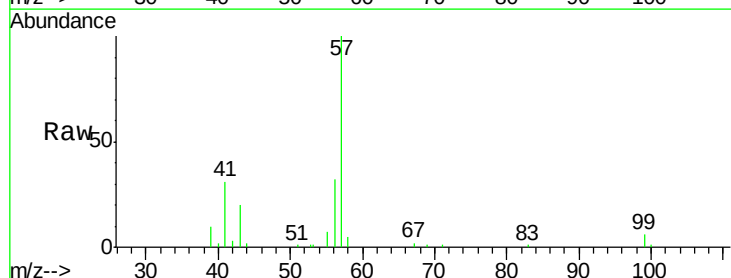
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038RW016-180704

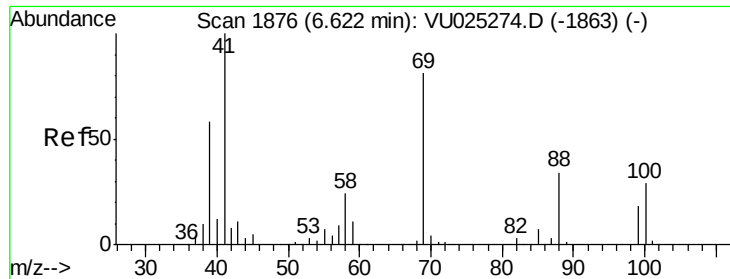
Tot Ion: 62 Resp: 1315
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 16.4



#43
 Isopropyl Acetate
 Concen: 1.23 ug/l
 RT: 5.54 min Scan# 1538
 Delta R.T. -0.01 min
 Lab File: VU025298.D
 Acq: 10 Jul 2018 18:55

Tgt Ion: 43 Resp: 7551
 Ion Ratio Lower Upper
 43 100
 61 0.0 15.5 23.3#
 87 0.0 10.6 16.0#

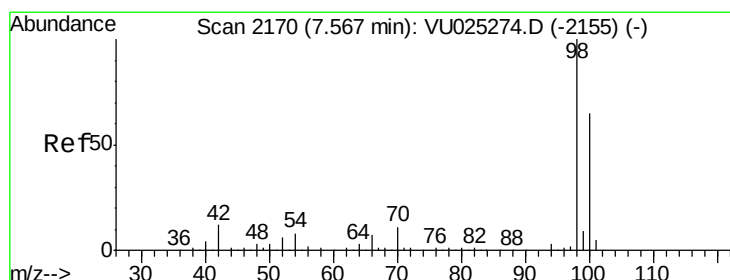
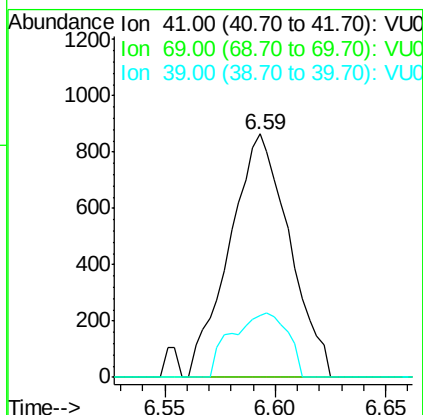
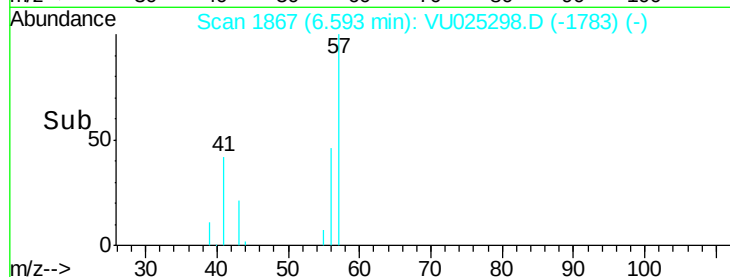
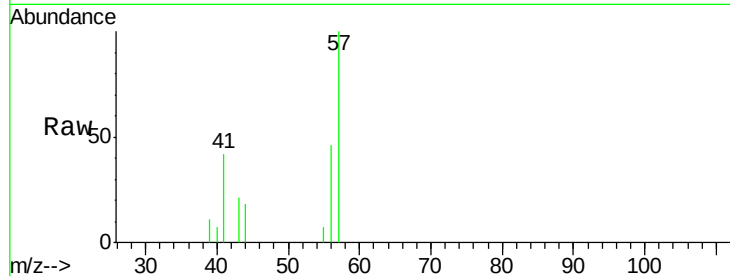




#48
Methvl methacrylate
Concen: 0.53 ug/l
RT: 6.59 min Scan# 1867
Delta R.T. -0.03 min
Lab File: VU025298.D
Acq: 10 Jul 2018 18:55

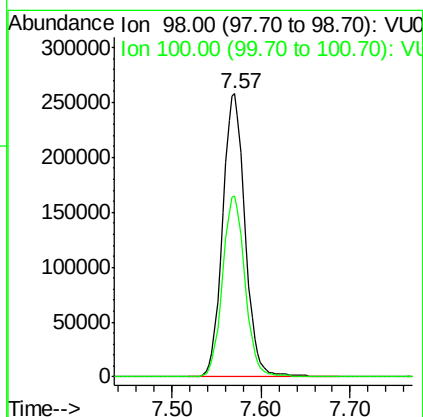
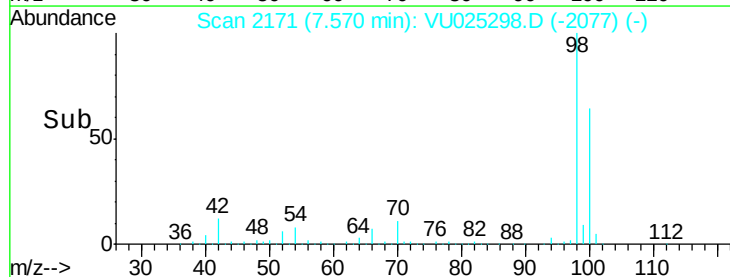
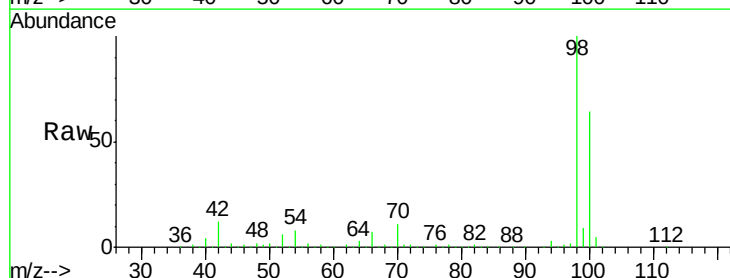
Instrument :
MSVOA_U
ClientSampleId :
SS038RW016-180704

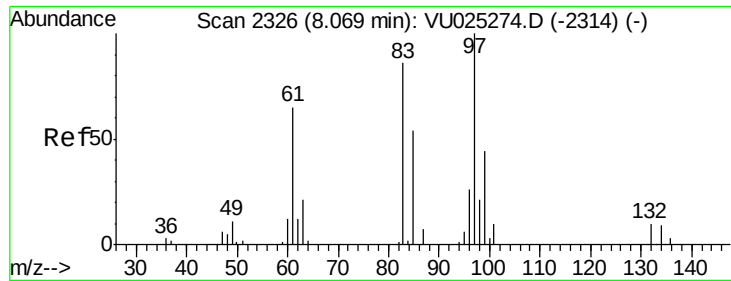
Tot Ion: 41 Resp: 1633
Ion Ratio Lower Upper
41 100
69 0.0 65.0 97.4#
39 24.6 46.4 69.6#



#50
Toluene-d8
Concen: 50.39 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025298.D
Acq: 10 Jul 2018 18:55

Tgt Ion: 98 Resp: 449902
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7

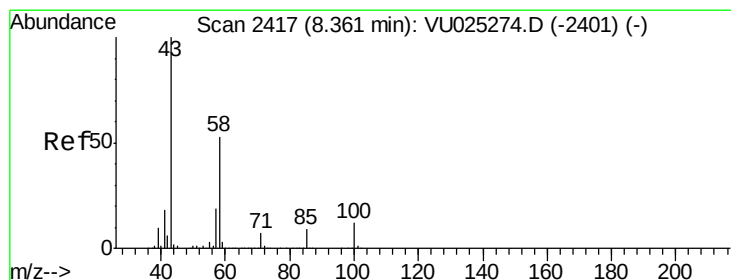
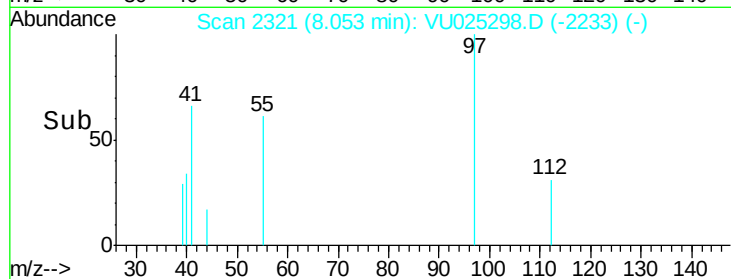
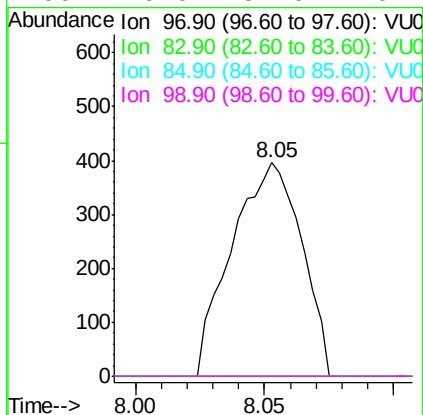
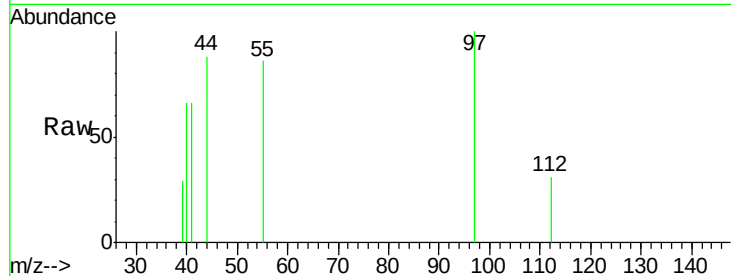




#55
 1,1,2-Trichloroethane
 Concen: 0.28 ug/l
 RT: 8.05 min Scan# 2321
 Delta R.T. -0.02 min
 Lab File: VU025298.D
 Acq: 10 Jul 2018 18:55

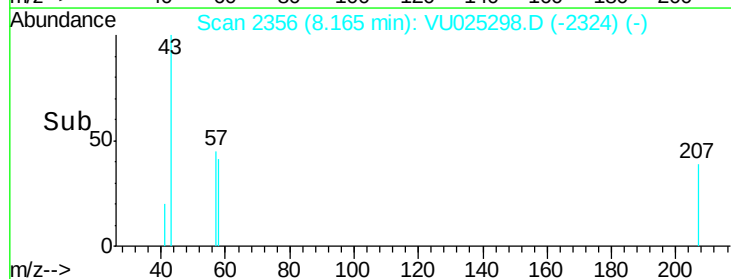
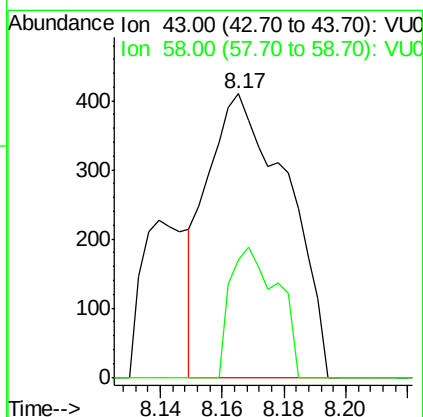
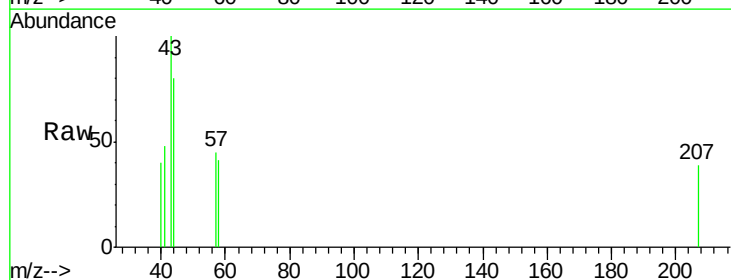
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038RW016-180704

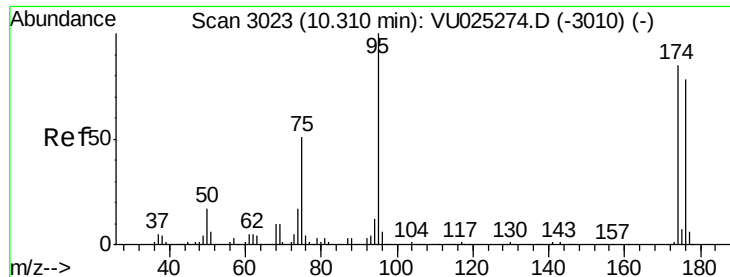
Tot Ion: 97 Resp: 747
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.9 103.3#
 85 0.0 44.4 66.6#
 99 0.0 51.0 76.4#



#59
 2-Hexanone
 Concen: 0.23 ug/l
 RT: 8.17 min Scan# 2356
 Delta R.T. -0.20 min
 Lab File: VU025298.D
 Acq: 10 Jul 2018 18:55

Tgt Ion: 43 Resp: 739
 Ion Ratio Lower Upper
 43 100
 58 27.1 26.2 78.5

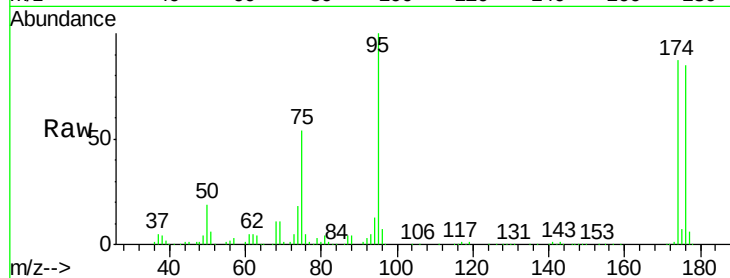




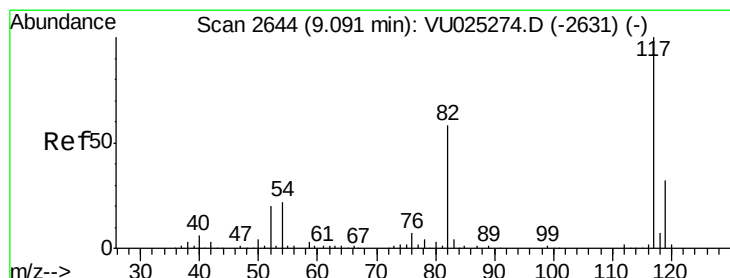
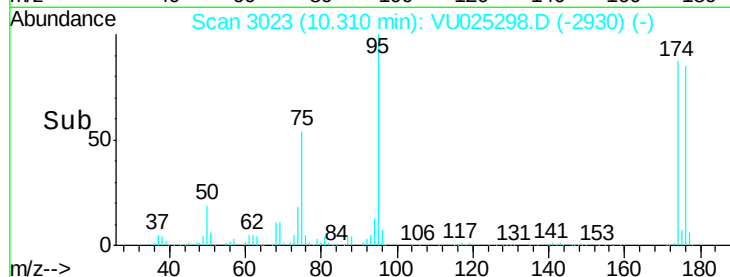
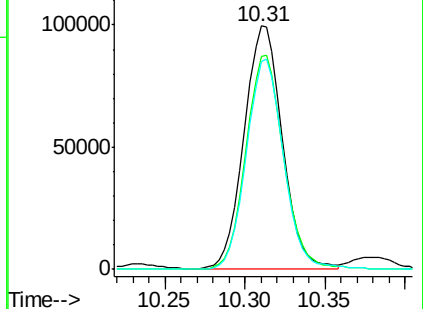
#62
4-Bromofluorobenzene
Concen: 45.32 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025298.D
Acq: 10 Jul 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SS038RW016-180704

Tot Ion: 95 Resp: 162914
Ion Ratio Lower Upper
95 100
174 86.8 0.0 172.2
176 84.1 0.0 162.6

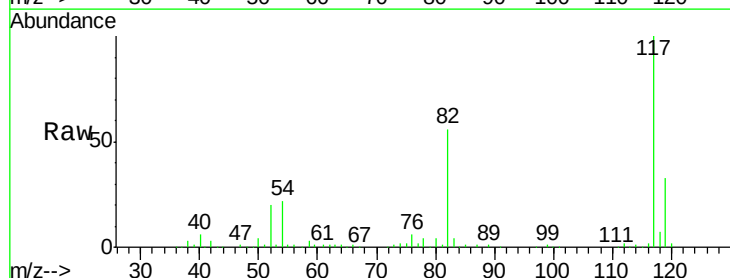


Abundance Ion 94.90 (94.60 to 95.60): VU025274.D (-3010) (-)
Ion 173.80 (173.50 to 174.50): VU025274.D (-3010) (-)
Ion 175.80 (175.50 to 176.50): VU025274.D (-3010) (-)

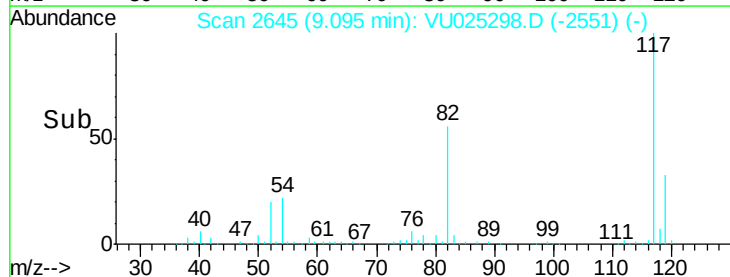
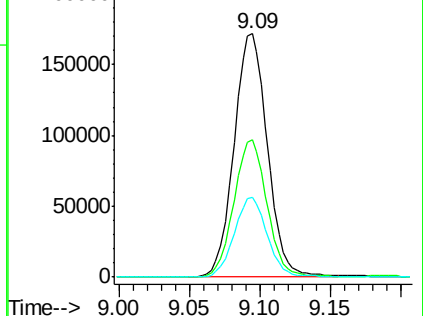


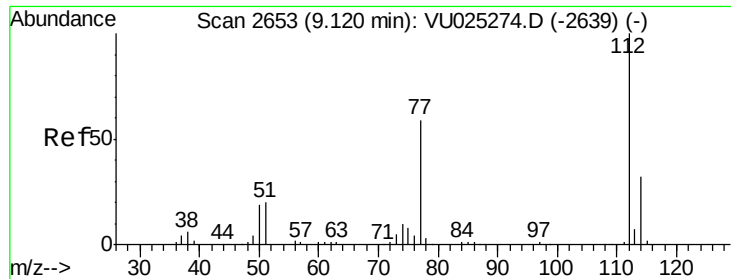
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025298.D
Acq: 10 Jul 2018 18:55

Tgt Ion: 117 Resp: 285113
Ion Ratio Lower Upper
117 100
82 56.2 46.0 69.0
119 32.7 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VU025274.D (-2631) (-)
Ion 82.00 (81.70 to 82.70): VU025274.D (-2631) (-)
Ion 118.90 (118.60 to 119.60): VU025274.D (-2631) (-)

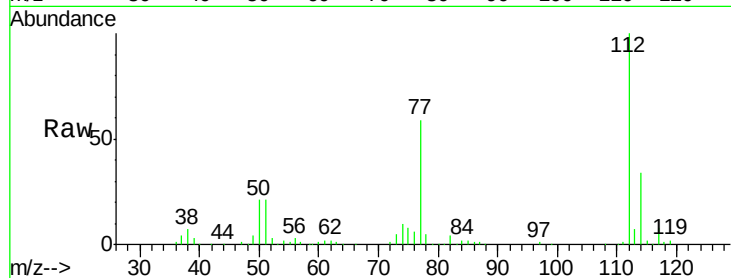




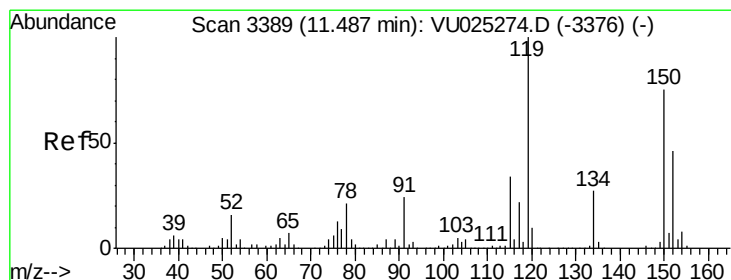
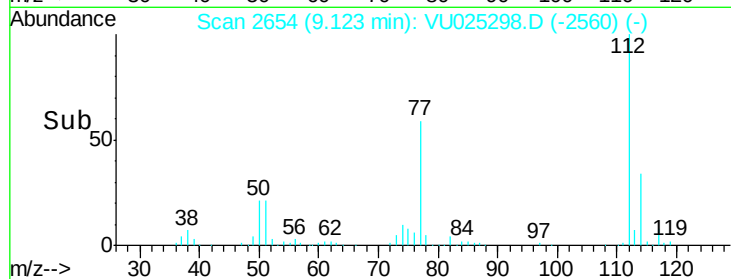
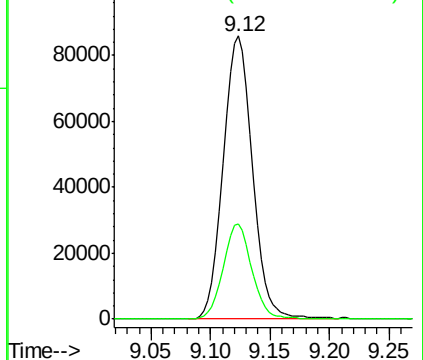
#65
Chlorobenzene
Concen: 20.67 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025298.D
Acq: 10 Jul 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SS038RW016-180704

Tot Ion:112 Resp: 147192
Ion Ratio Lower Upper
112 100
114 33.8 25.8 38.8

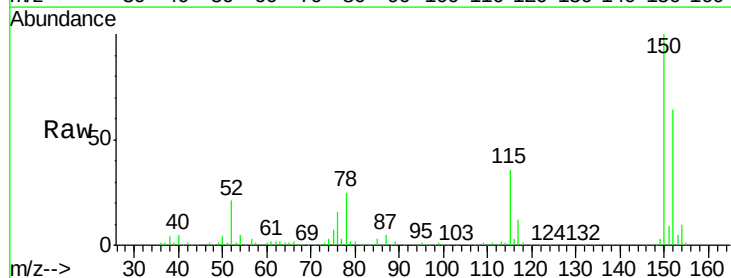


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

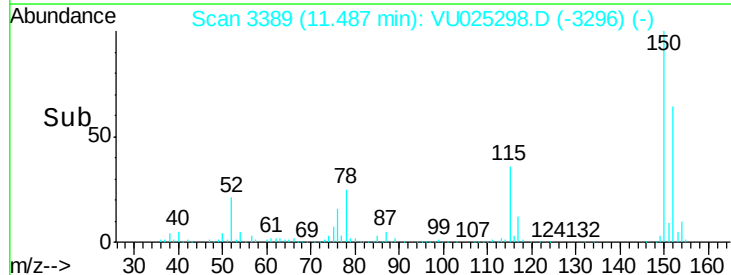
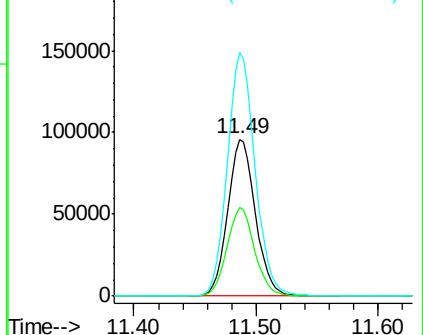


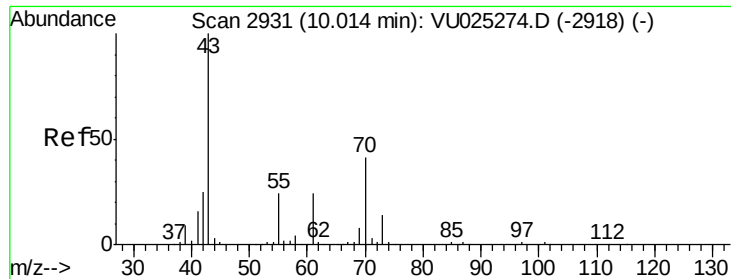
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025298.D
Acq: 10 Jul 2018 18:55

Tgt Ion:152 Resp: 152162
Ion Ratio Lower Upper
152 100
115 56.6 40.1 120.3
150 156.3 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.31 ug/l

RT: 10.04 min Scan# 2940

Delta R.T. 0.03 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SS038RW016-180704

Tot Ion: 43 Resp: 205

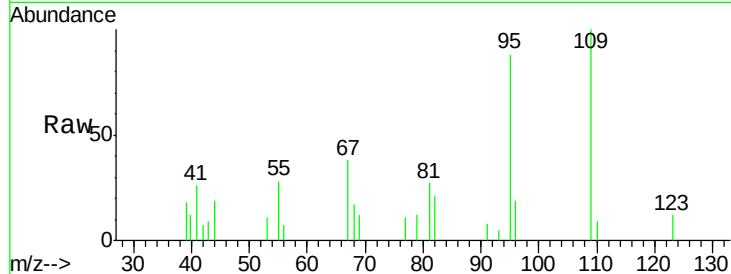
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 566.3 19.0 28.6#

61 0.0 19.3 28.9#

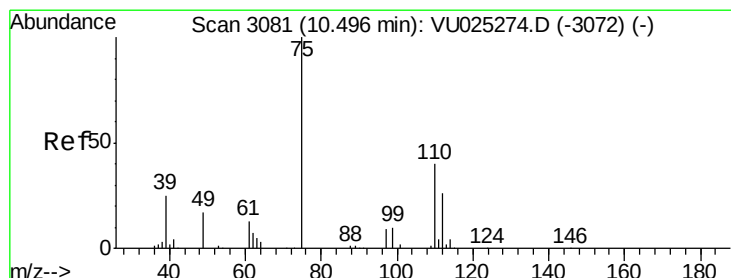
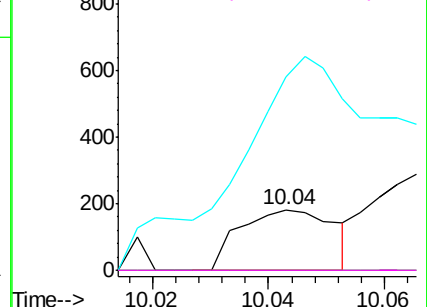
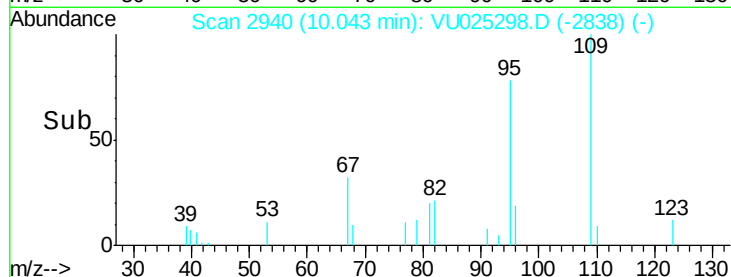


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 27.87 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025298.D

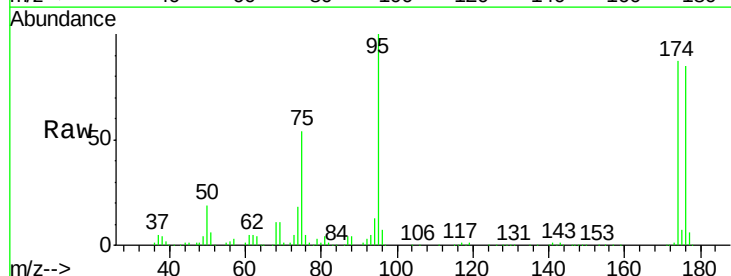
Acq: 10 Jul 2018 18:55

Tgt Ion: 75 Resp: 86310

Ion Ratio Lower Upper

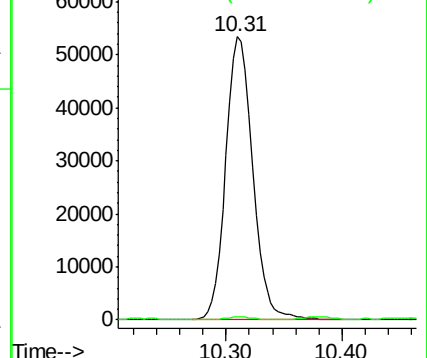
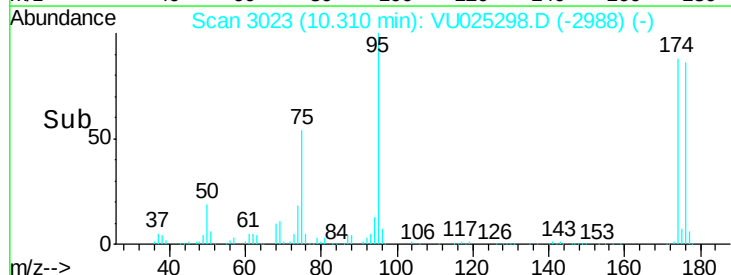
75 100

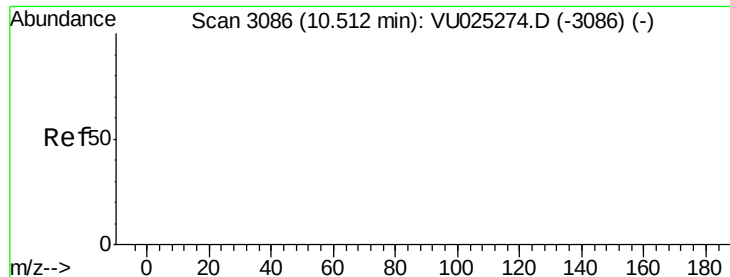
77 1.1 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.20 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SS038RW016-180704

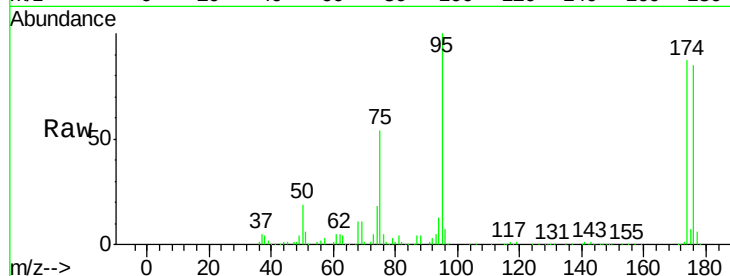
Tot Ion: 75 Resp: 86310

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

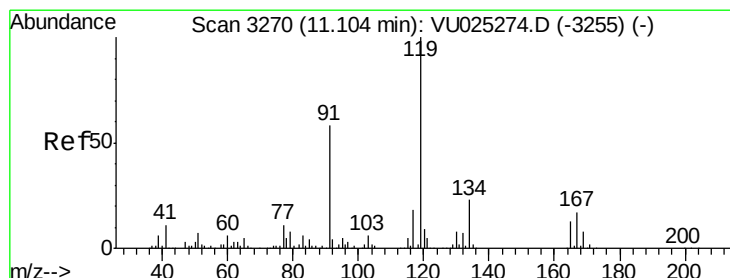
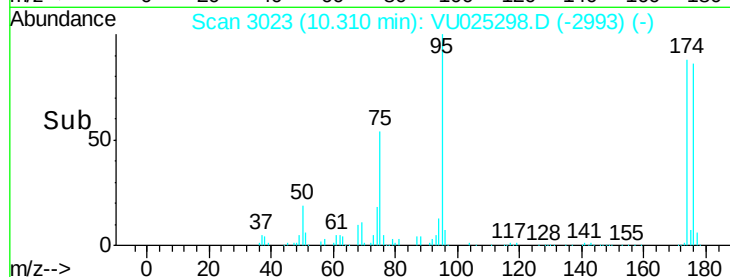
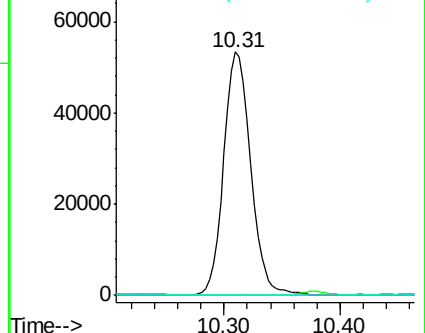
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025274.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU025274.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU025274.D (-3086) (-)



#83

tert-Butylbenzene

Concen: 1.35 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

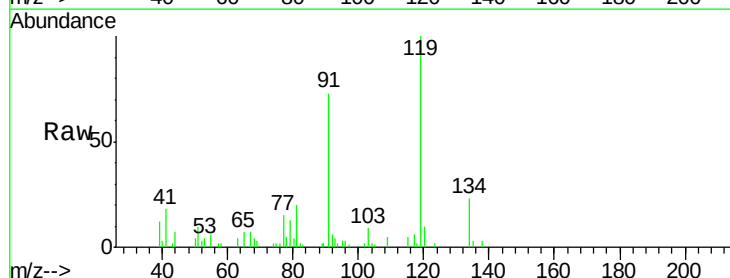
Tgt Ion: 119 Resp: 13379

Ion Ratio Lower Upper

119 100

91 73.1 29.7 89.1

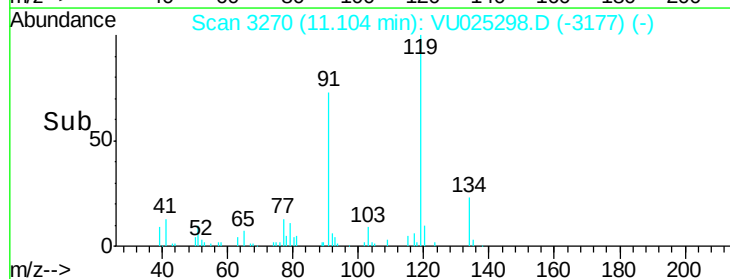
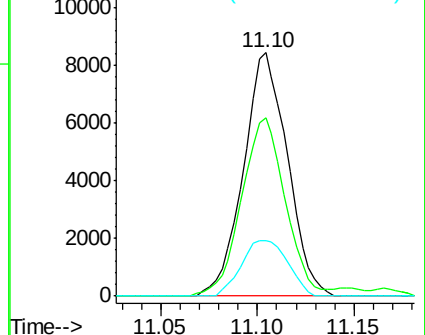
134 24.0 11.5 34.5

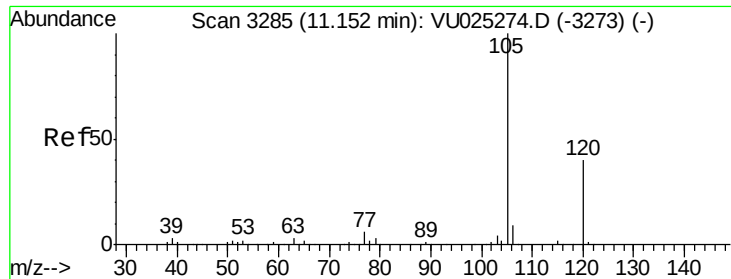


Abundance Ion 119.00 (118.70 to 119.70): VU025274.D (-3255) (-)

Ion 91.00 (90.70 to 91.70): VU025274.D (-3255) (-)

Ion 134.00 (133.70 to 134.70): VU025274.D (-3255) (-)

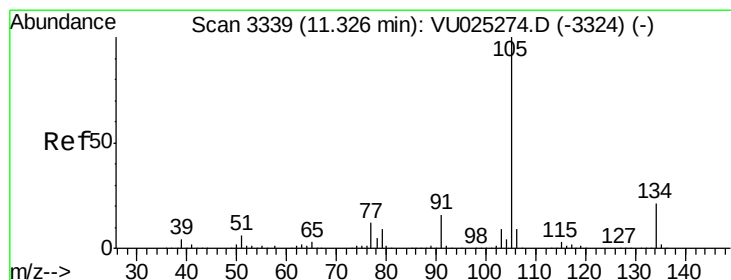
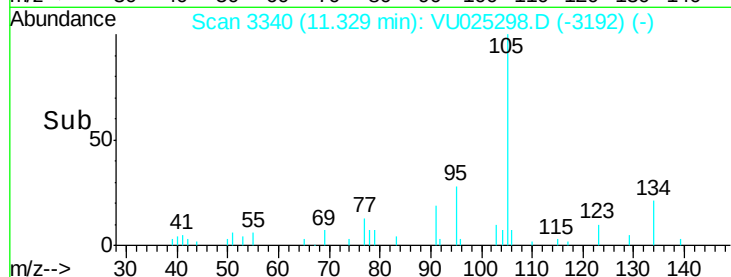
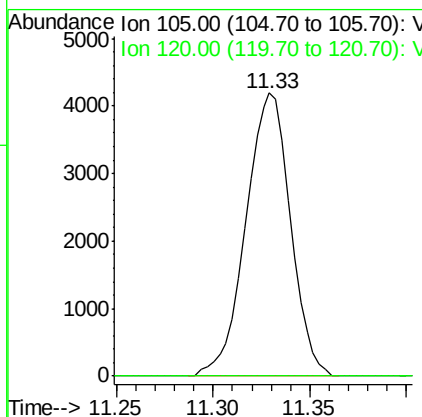
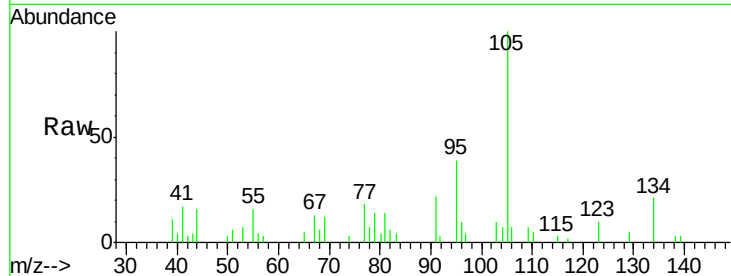




#84
 1,2,4-Trimethylbenzene
 Concen: 0.67 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.18 min
 Lab File: VU025298.D
 Acq: 10 Jul 2018 18:55

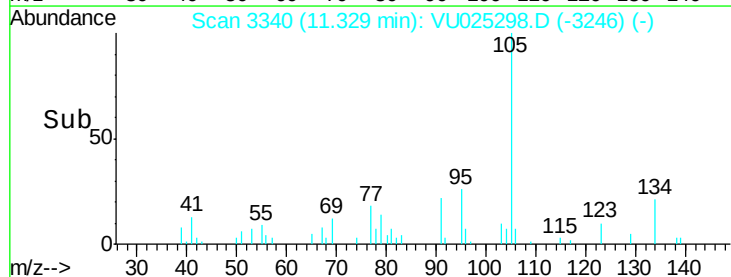
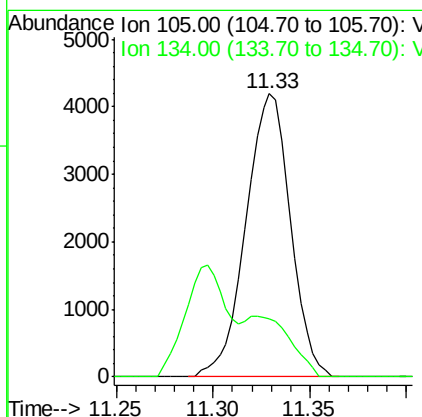
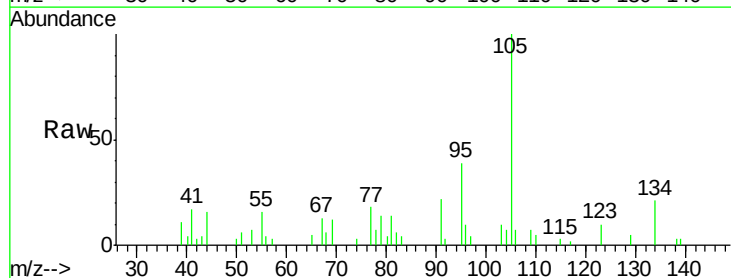
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038RW016-180704

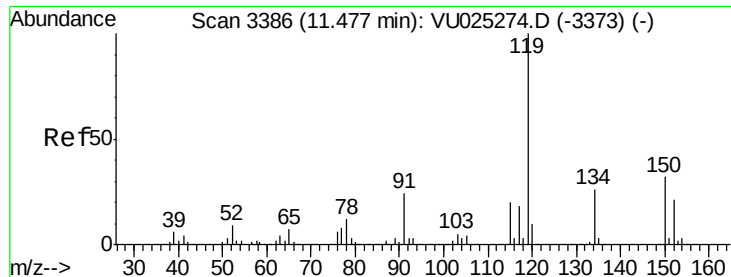
Tot Ion:105 Resp: 6700
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.3 66.8#



#85
 sec-Butylbenzene
 Concen: 0.58 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025298.D
 Acq: 10 Jul 2018 18:55

Tgt Ion:105 Resp: 6700
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.3 30.8#

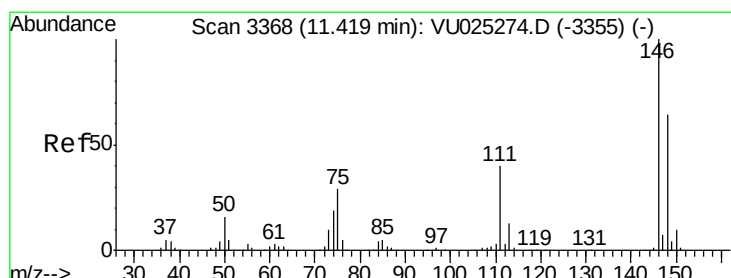
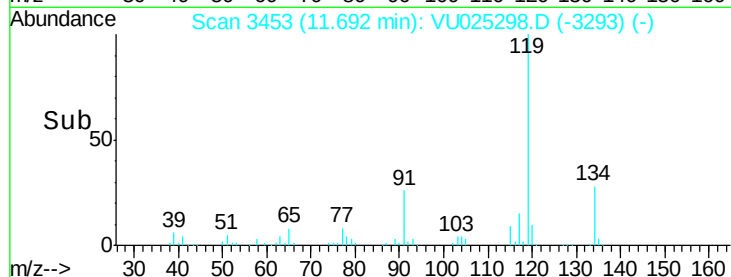
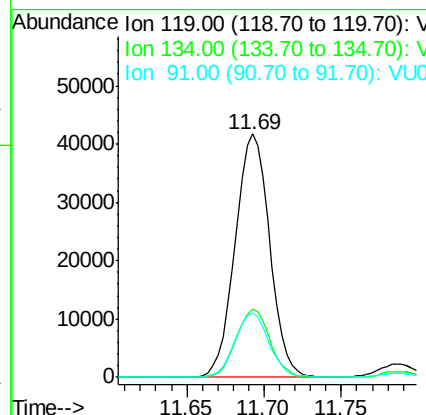
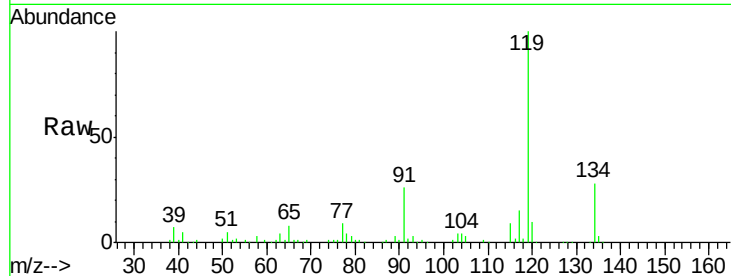




#86
 p-Isopropyltoluene
 Concen: 6.25 ug/l
 RT: 11.69 min Scan# 3453
 Delta R.T. 0.22 min
 Lab File: VU025298.D
 Acq: 10 Jul 2018 18:55

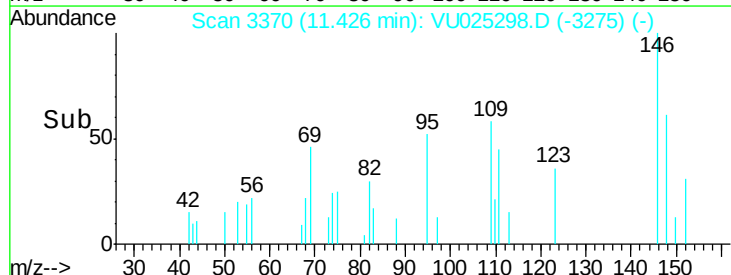
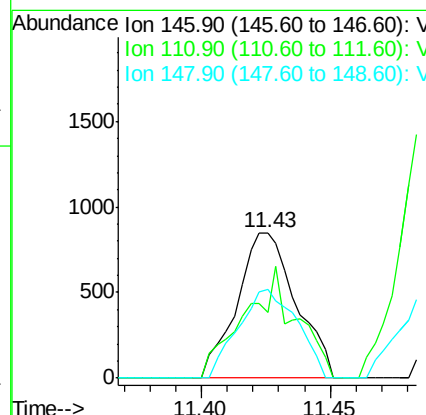
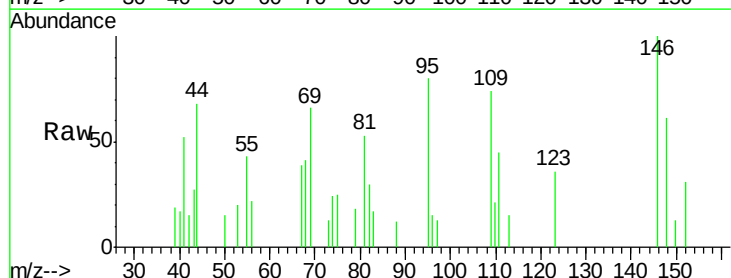
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038RW016-180704

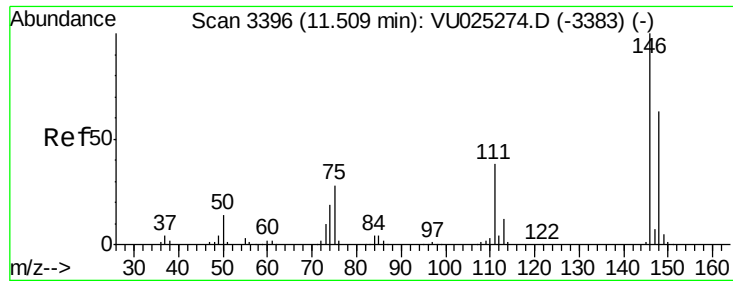
Tot Ion:119 Resp: 64453
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.2 39.5
 91 26.3 12.0 36.1



#87
 1,3-Dichlorobenzene
 Concen: 0.25 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: VU025298.D
 Acq: 10 Jul 2018 18:55

Tgt Ion:146 Resp: 1349
 Ion Ratio Lower Upper
 146 100
 111 68.1 19.7 59.1#
 148 60.9 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 2.04 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SS038RW016-180704

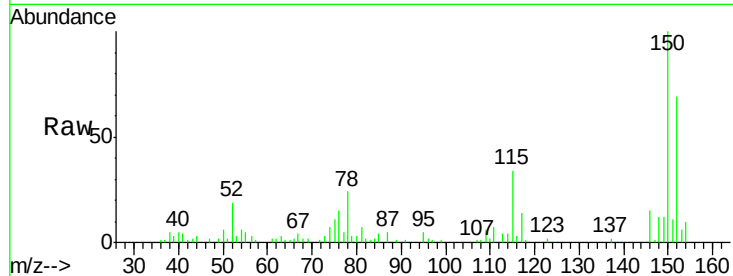
Tot Ion:146 Resp: 3035

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.1#

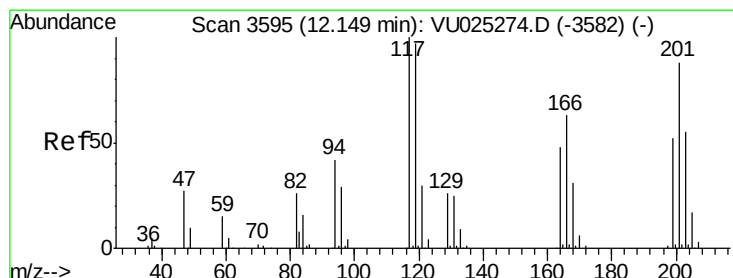
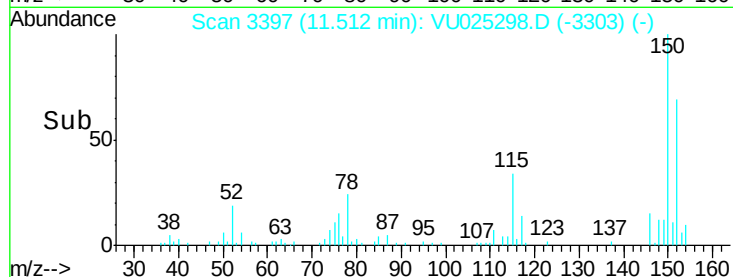
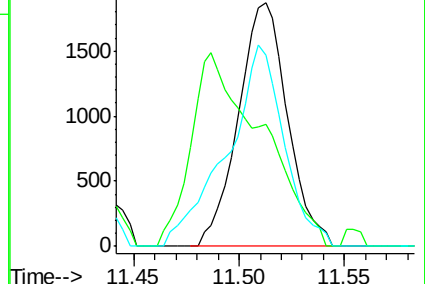
148 95.4 31.7 95.1#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 0.85 ug/l

RT: 12.26 min Scan# 3628

Delta R.T. 0.11 min

Lab File: VU025298.D

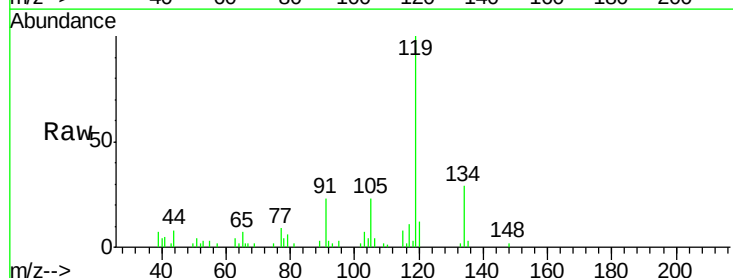
Acq: 10 Jul 2018 18:55

Tgt Ion:117 Resp: 1478

Ion Ratio Lower Upper

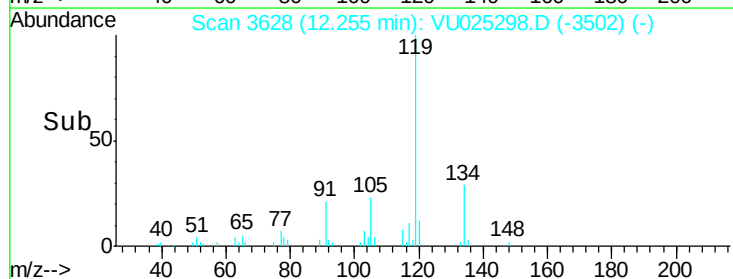
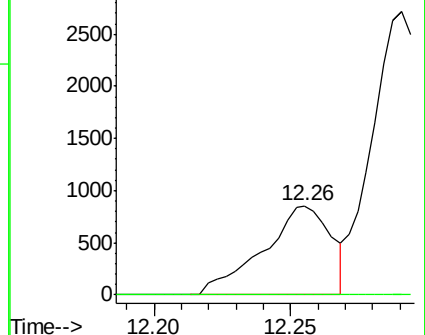
117 100

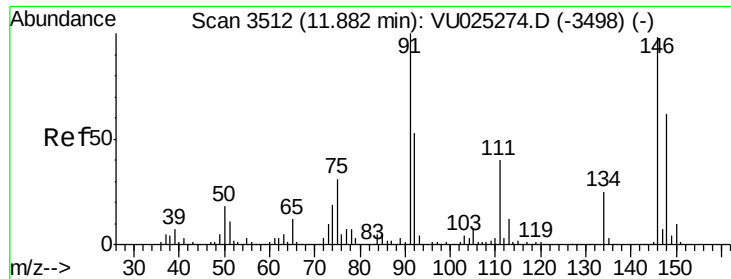
201 0.0 42.5 127.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 0.49 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SS038RW016-180704

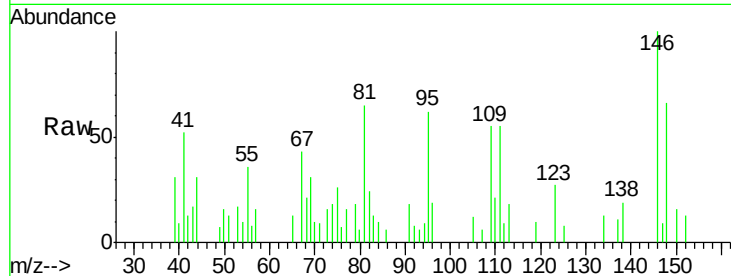
Tot Ion:146 Resp: 2716

Ion Ratio Lower Upper

146 100

111 55.7 20.6 61.8

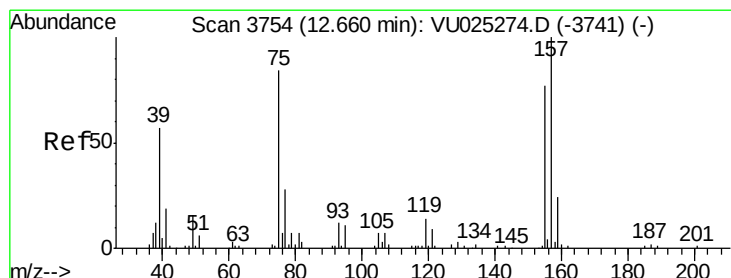
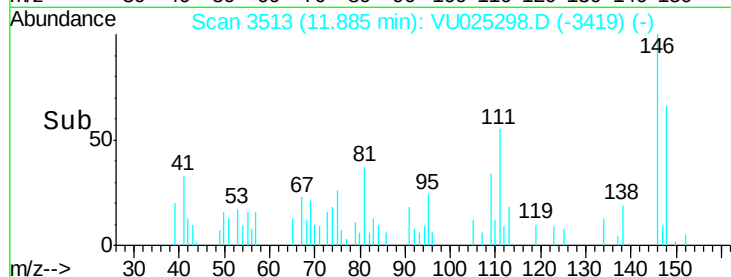
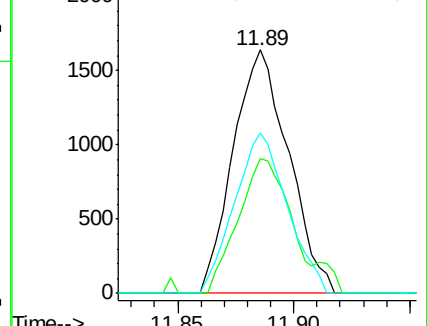
148 62.7 31.5 94.5



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: 0.91 ug/l

RT: 12.54 min Scan# 3716

Delta R.T. -0.12 min

Lab File: VU025298.D

Acq: 10 Jul 2018 18:55

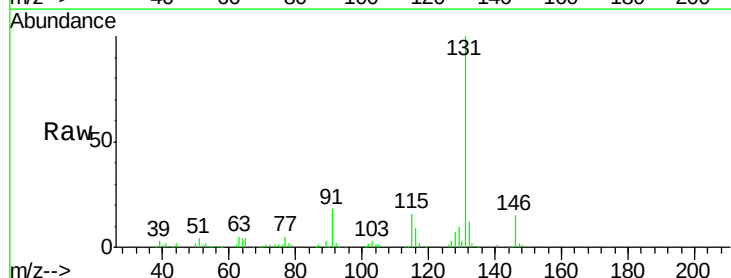
Tgt Ion: 75 Resp: 844

Ion Ratio Lower Upper

75 100

155 0.0 44.5 133.3#

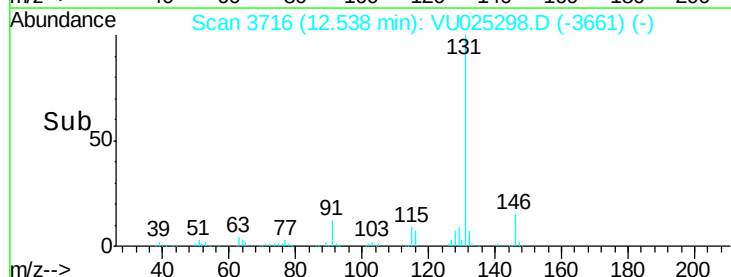
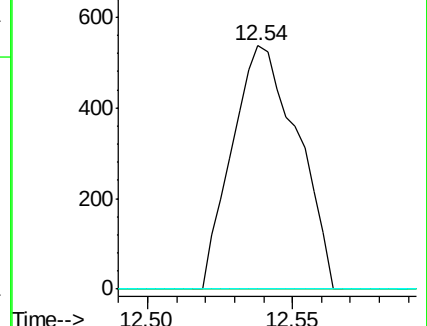
157 0.0 57.0 170.8#

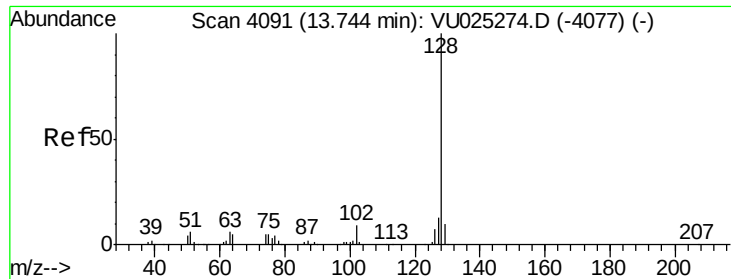


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 2.44 ug/l
RT: 13.73 min Scan# 4088
Delta R.T. -0.01 min
Lab File: VU025298.D
Acq: 10 Jul 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SS038RW016-180704

Tot Ion:128 Resp: 353
Ion Ratio Lower Upper
128 100
127 33.7 10.5 15.7#
129 81.6 8.3 12.5#

