

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025259.D
 Acq On : 06 Jul 2018 22:56
 Operator : MD/SY
 Sample : J3842-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 06 23:33:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	197970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	294060	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	275418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	135690	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	150241	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
35) Dibromofluoromethane	4.89	113	113242	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
50) Toluene-d8	7.57	98	424931	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	10.31	95	152749	43.22	ug/l	0.00
Spiked Amount			Recovery	=	86.44%	

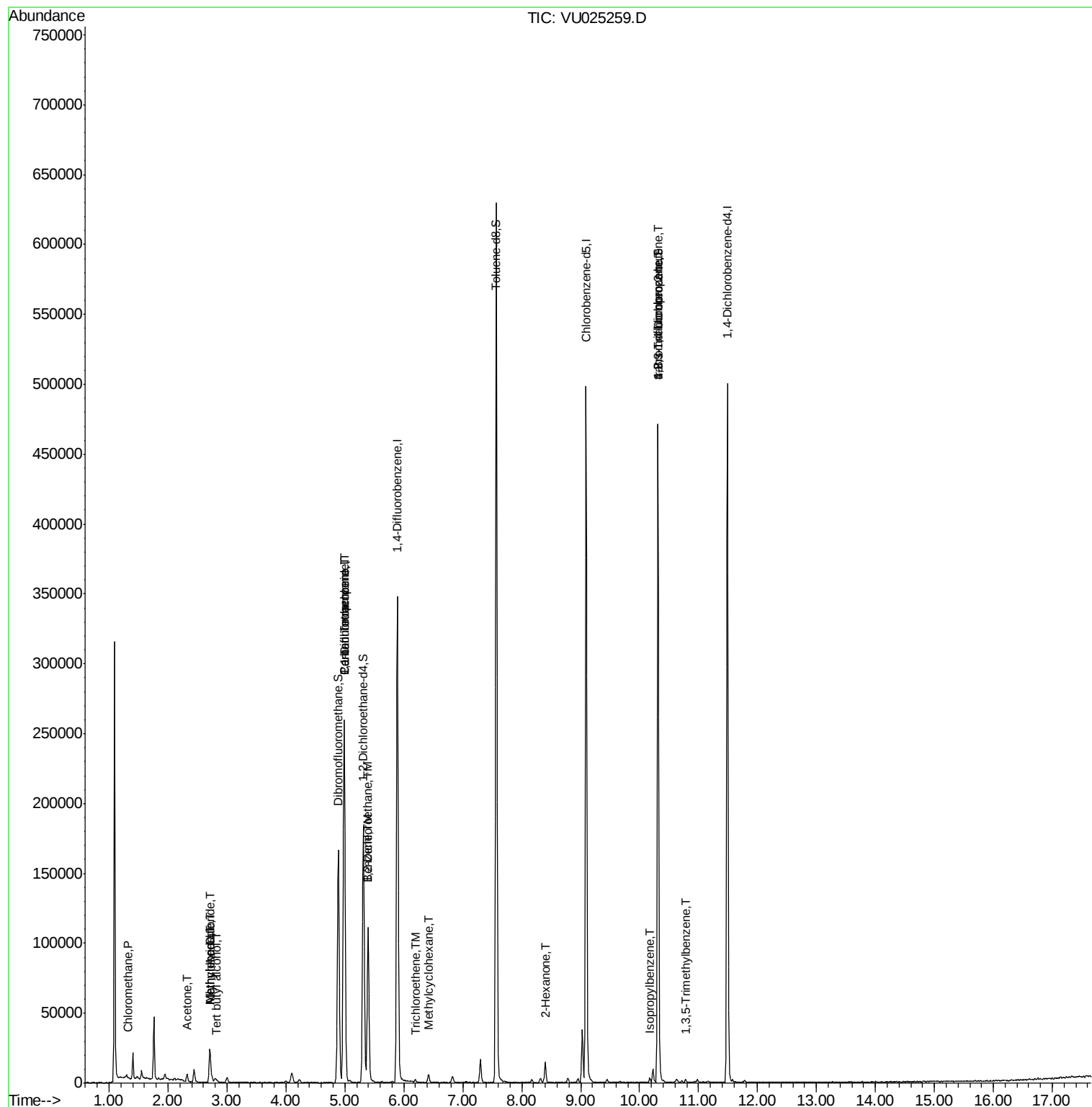
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	732	0.289	ug/l #	80
6) Chloroethane	1.69	64	339	Below Cal	#	43
11) Tert butyl alcohol	2.83	59	2068	2.631	ug/l #	72
14) Allyl chloride	2.71	41	6620	1.582	ug/l #	56
16) Acetone	2.32	43	6315	3.637	ug/l	94
18) Methyl Acetate	2.71	43	17405	4.675	ug/l #	53
20) Methylene Chloride	2.71	84	781	0.287	ug/l #	71
31) Cyclohexane	4.99	56	8143	Below Cal	#	35
36) 1,1-Dichloropropene	4.99	75	14313	4.142	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19108	5.029	ug/l #	16
39) Methylcyclohexane	6.42	83	2539	0.589	ug/l #	80
40) Benzene	5.39	78	108713	11.041	ug/l	100
42) 1,2-Dichloroethane	5.40	62	931	0.248	ug/l #	77
44) Trichloroethene	6.19	130	651	0.232	ug/l	74
59) 2-Hexanone	8.40	43	1051	0.315	ug/l	86
73) Isopropylbenzene	10.17	105	2660	0.255	ug/l	93
76) 1,2,3-Trichloropropane	10.31	75	80403	26.914	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	1812	0.201	ug/l	93
81) trans-1,4-Dichloro-2-buten	10.31	75	80403	62.290	ug/l #	100

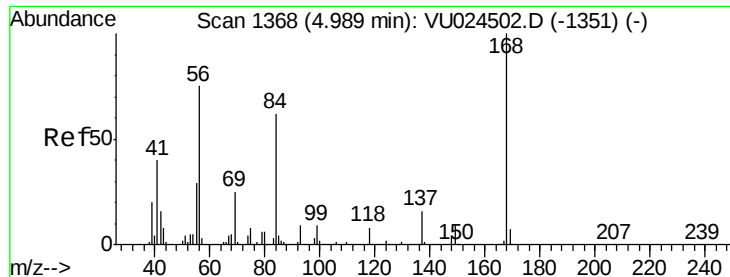
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025259.D

Acq: 06 Jul 2018 22:56

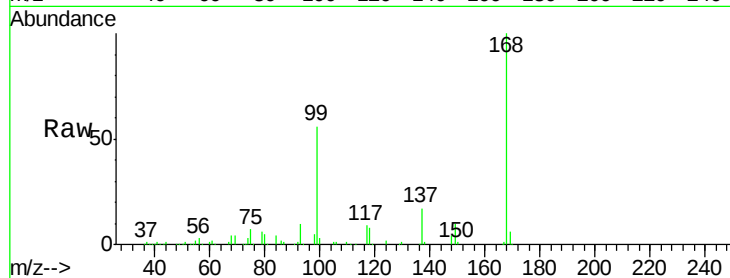
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 197970

Ion Ratio Lower Upper

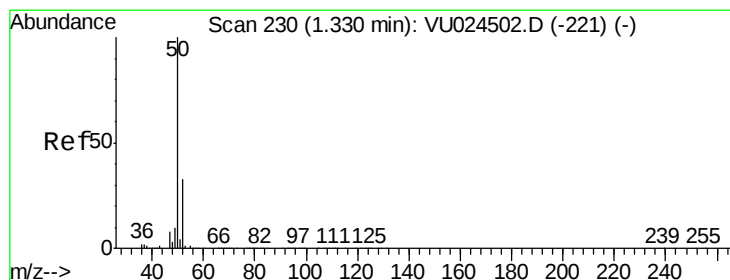
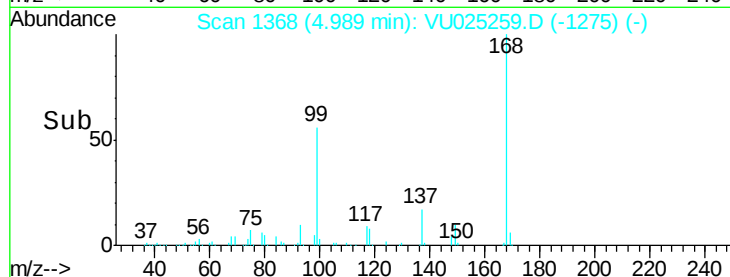
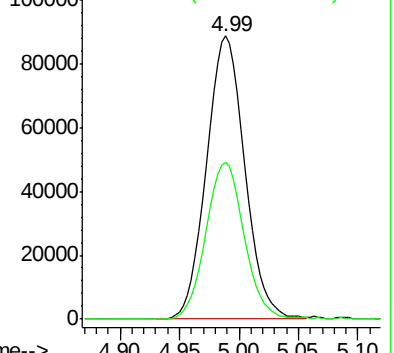
168 100

99 55.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D

Ion 98.90 (98.60 to 99.60): VU024502.D



#3

Chloromethane

Concen: 0.289 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025259.D

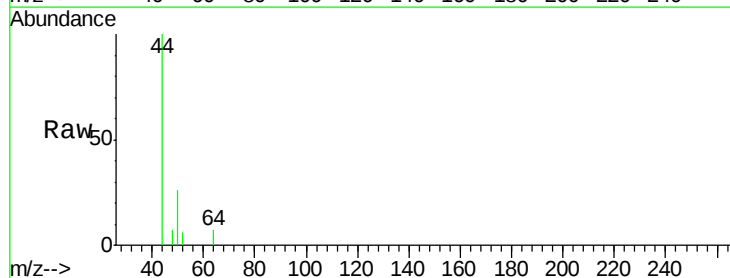
Acq: 06 Jul 2018 22:56

Tgt Ion: 50 Resp: 732

Ion Ratio Lower Upper

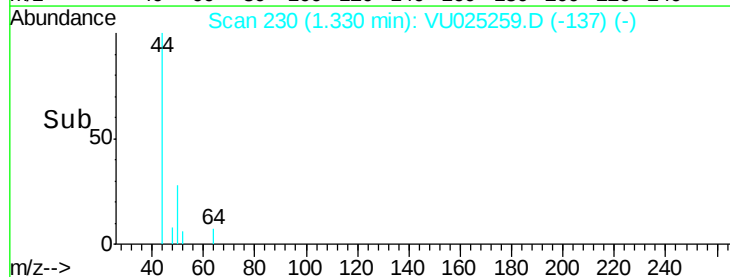
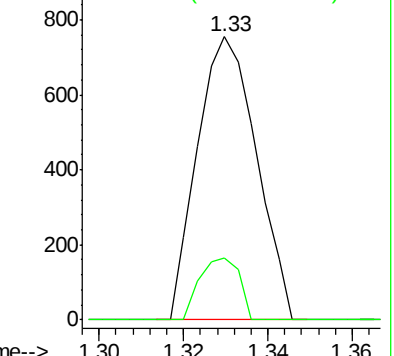
50 100

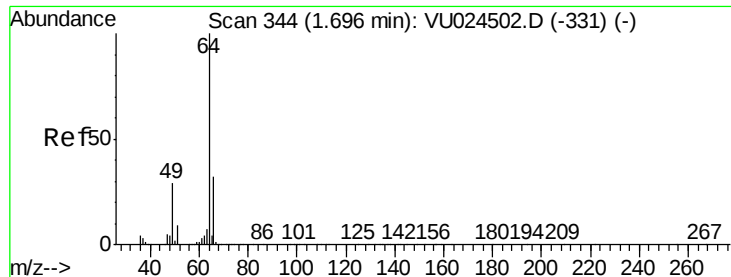
52 21.9 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D

Ion 51.90 (51.60 to 52.60): VU024502.D





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025259.D

Acq: 06 Jul 2018 22:56

Instrument :

MSVOA_U

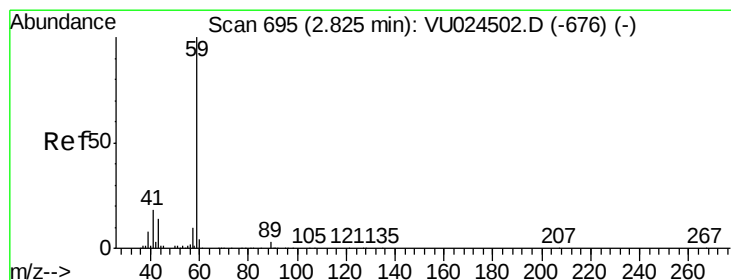
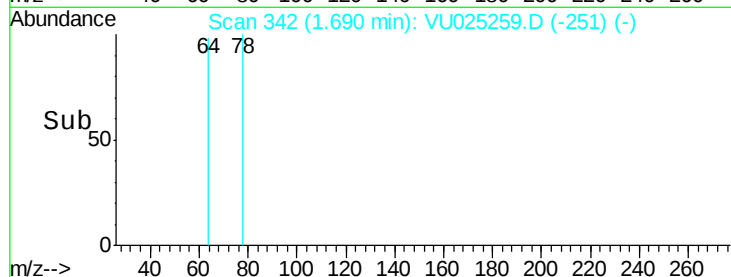
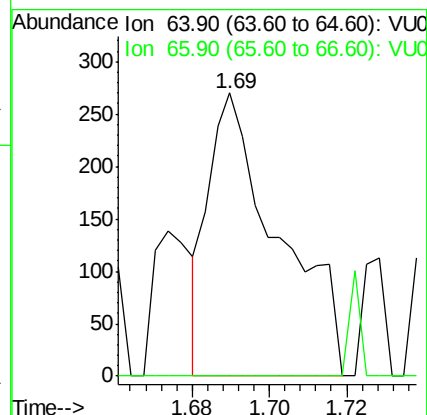
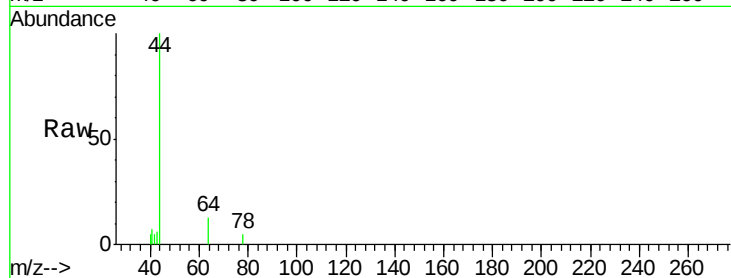
ClientSampleId :

Tot Ion: 64 Resp: 339

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#11

Tert butyl alcohol

Concen: 2.631 ug/l

RT: 2.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VU025259.D

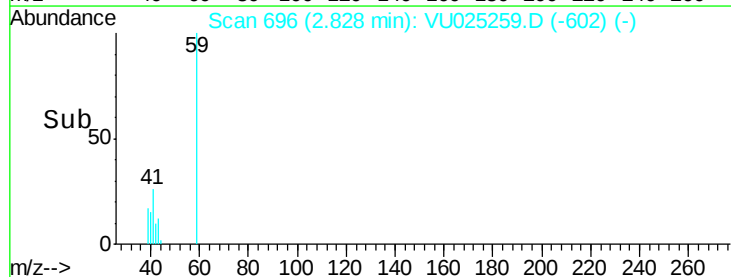
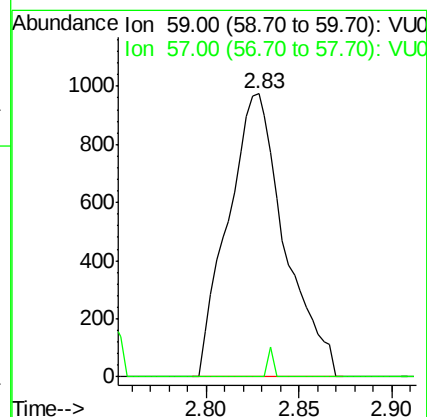
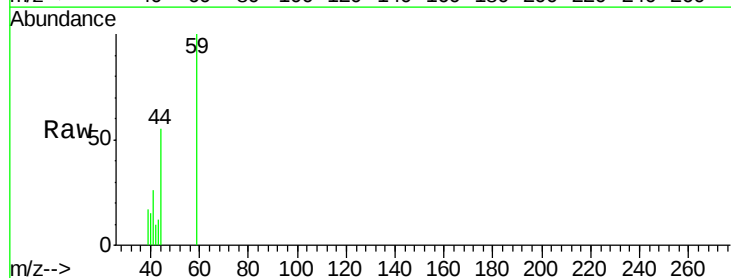
Acq: 06 Jul 2018 22:56

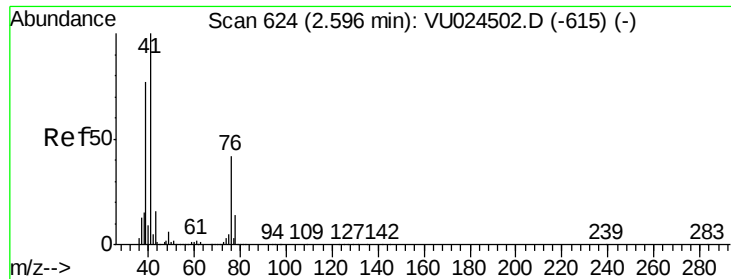
Tgt Ion: 59 Resp: 2068

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

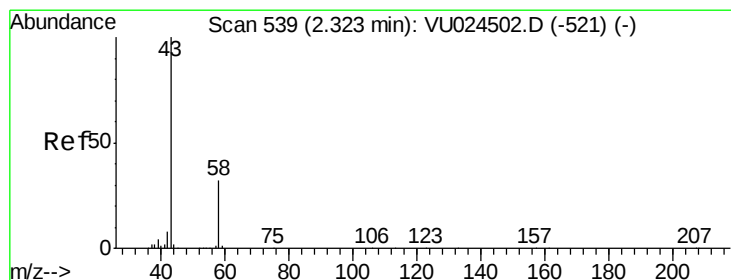
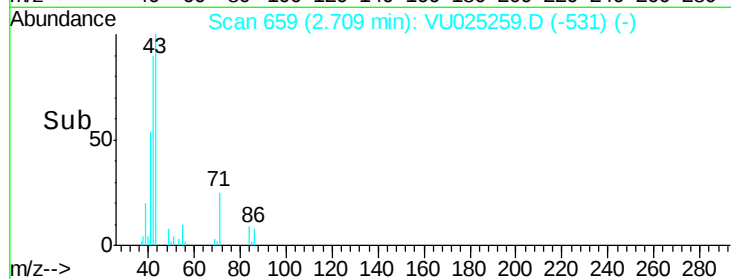
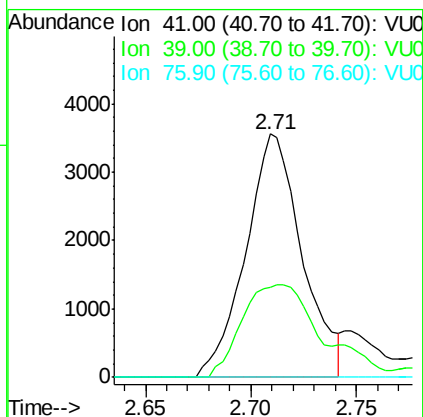
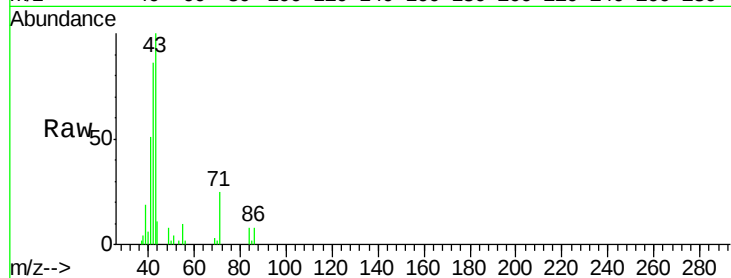




#14
Allvl chloride
Concen: 1.582 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.11 min
Lab File: VU025259.D
Acq: 06 Jul 2018 22:56

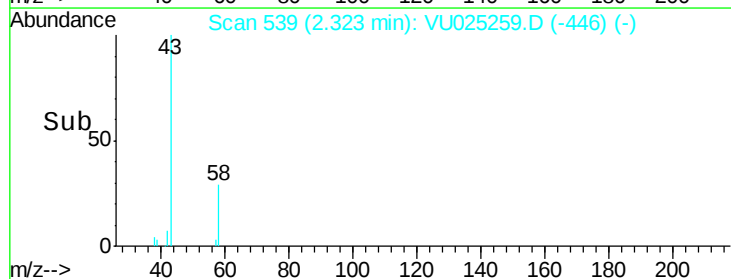
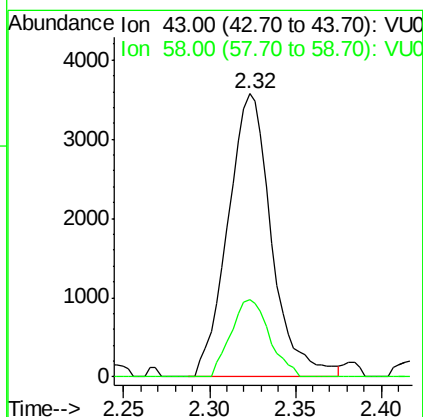
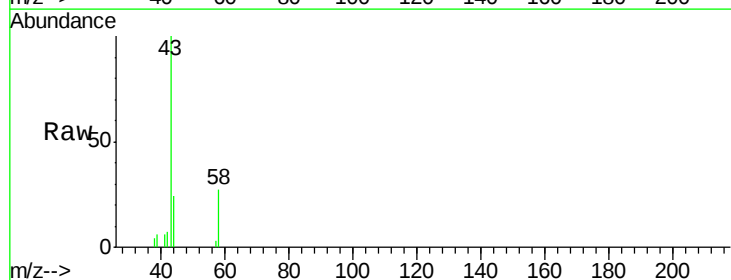
Instrument :
MSVOA_U
ClientSampleId :

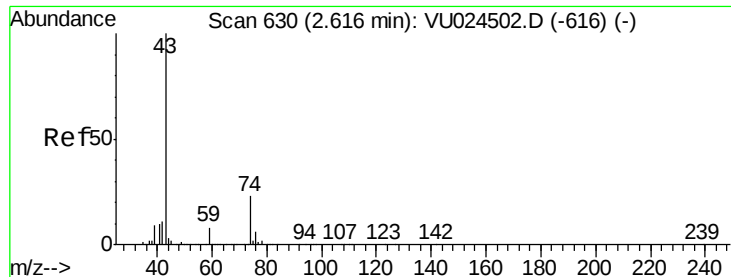
Tot Ion: 41 Resp: 6620
Ion Ratio Lower Upper
41 100
39 46.2 61.6 92.4#
76 0.0 29.7 44.5#



#16
Acetone
Concen: 3.637 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025259.D
Acq: 06 Jul 2018 22:56

Tgt Ion: 43 Resp: 6315
Ion Ratio Lower Upper
43 100
58 27.3 24.4 36.6

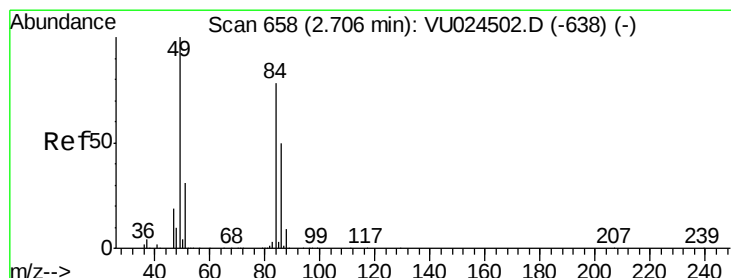
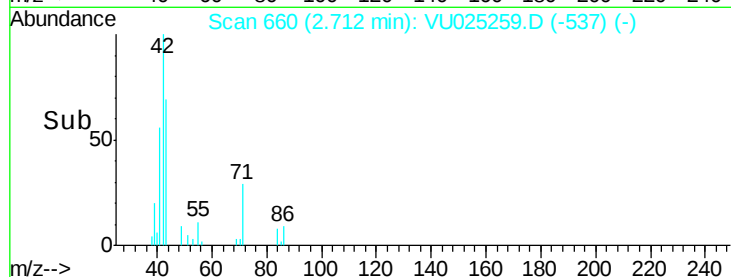
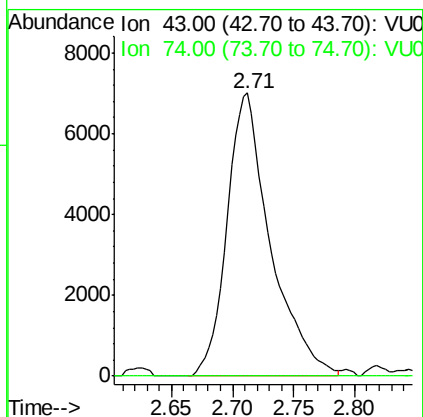
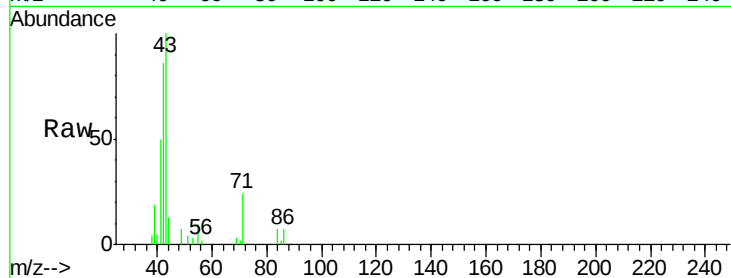




#18
Methyl Acetate
Concen: 4.675 ug/l
RT: 2.71 min Scan# 660
Delta R.T. 0.10 min
Lab File: VU025259.D
Acq: 06 Jul 2018 22:56

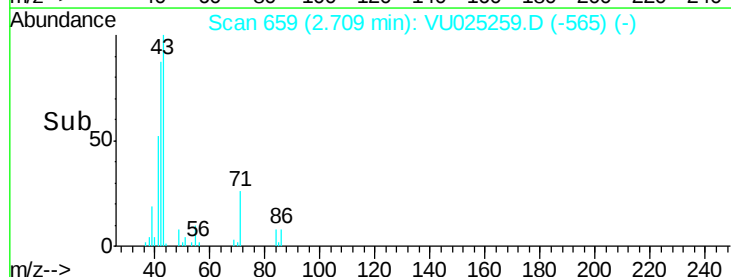
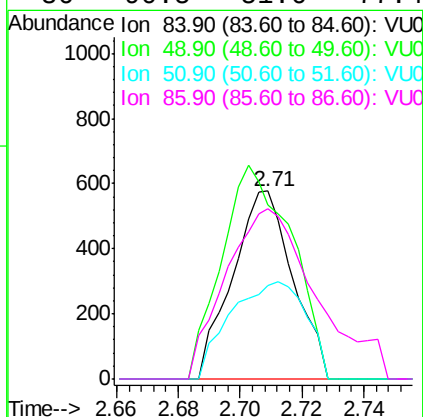
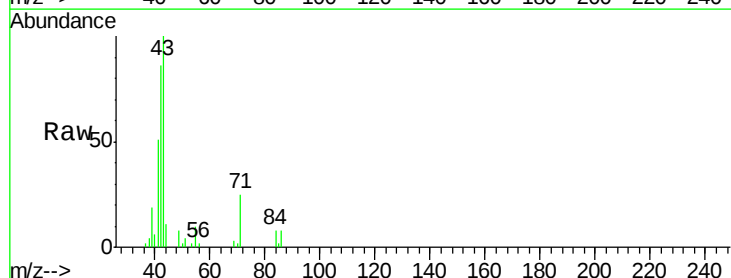
Instrument :
MSVOA_U
ClientSampleId :

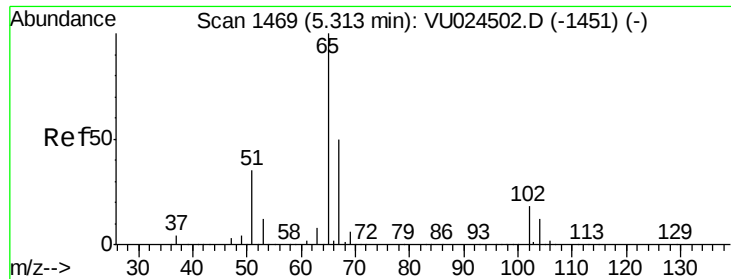
Tot Ion: 43 Resp: 17405
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 0.287 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.00 min
Lab File: VU025259.D
Acq: 06 Jul 2018 22:56

Tgt Ion: 84 Resp: 781
Ion Ratio Lower Upper
84 100
49 92.9 103.8 155.8#
51 49.9 32.0 48.0#
86 90.5 51.6 77.4#

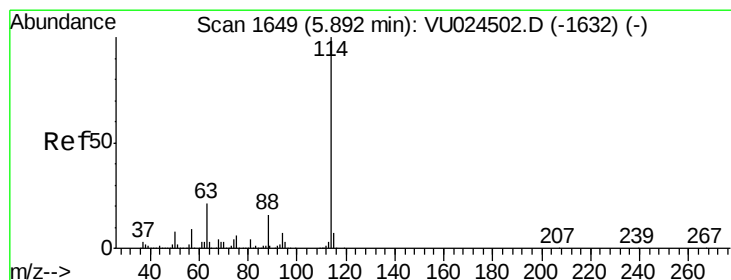
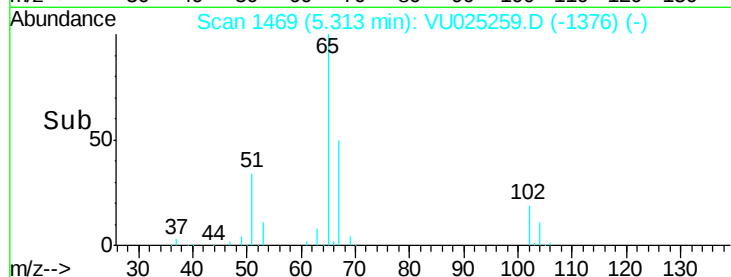
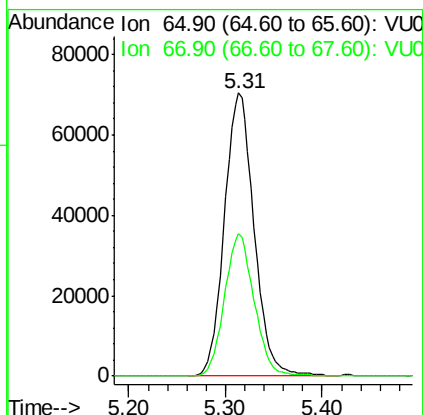
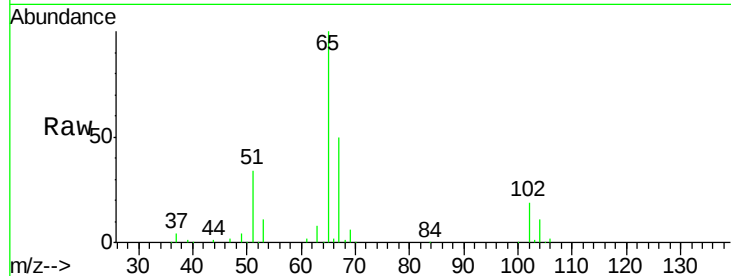




#33
 1,2-Dichloroethane-d4
 Concen: 46.487 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025259.D
 Acq: 06 Jul 2018 22:56

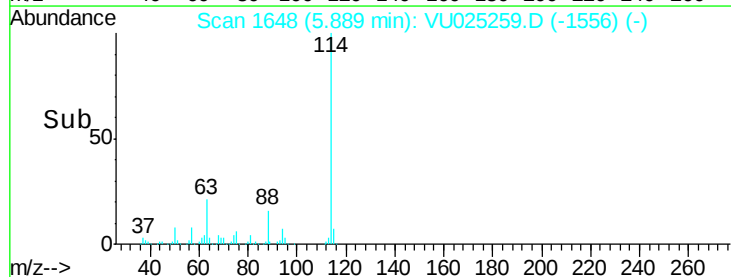
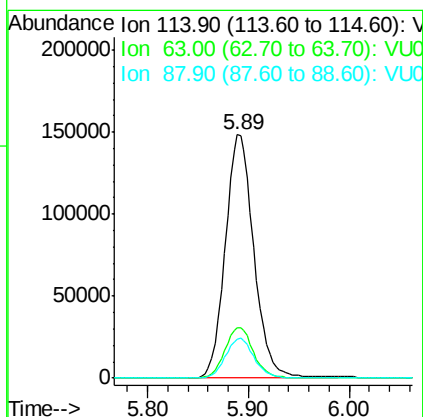
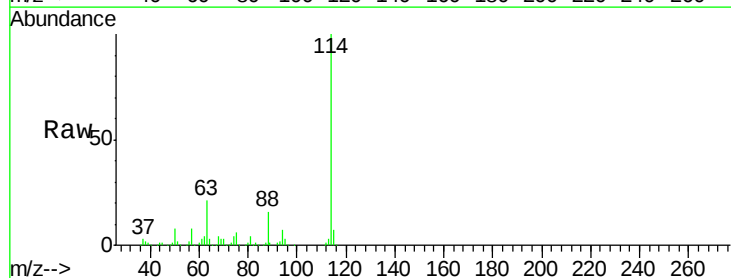
Instrument :
 MSVOA_U
 ClientSampleId :

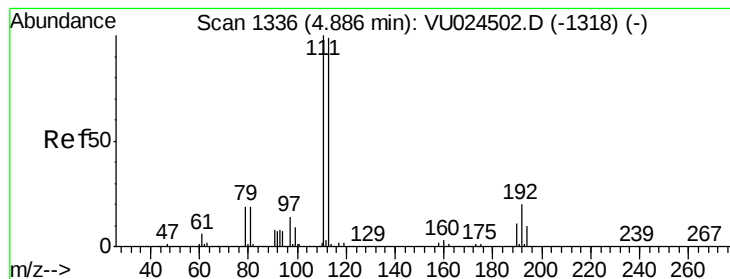
Tot Ion: 65 Resp: 150241
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025259.D
 Acq: 06 Jul 2018 22:56

Tgt Ion: 114 Resp: 294060
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 16.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.402 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025259.D

Acq: 06 Jul 2018 22:56

Instrument :
MSVOA_U
ClientSampleId :

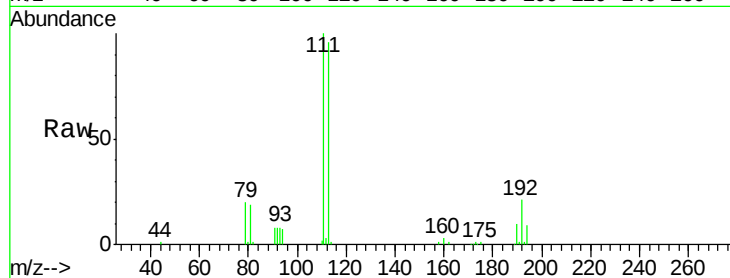
Tot Ion:113 Resp: 113242

Ion Ratio Lower Upper

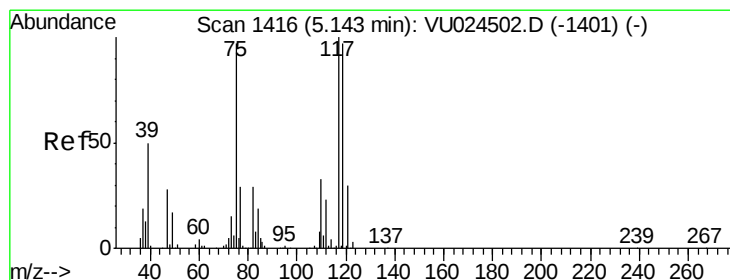
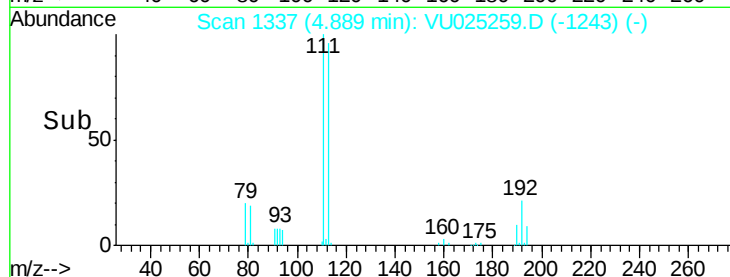
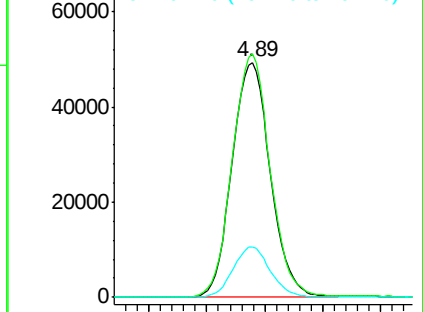
113 100

111 102.5 82.2 123.4

192 20.9 16.2 24.4



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: 4.142 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU025259.D

Acq: 06 Jul 2018 22:56

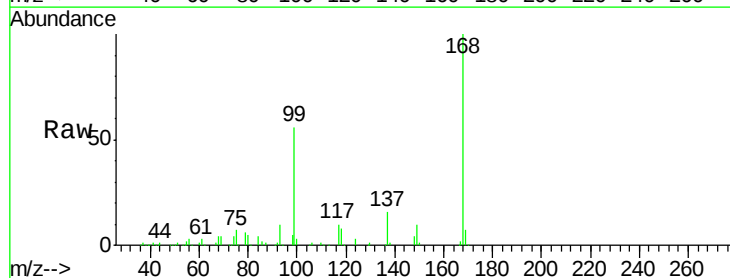
Tgt Ion: 75 Resp: 14313

Ion Ratio Lower Upper

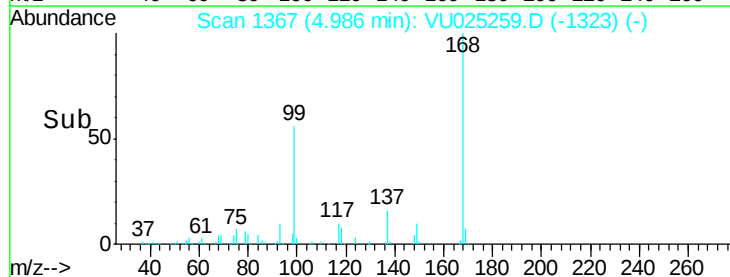
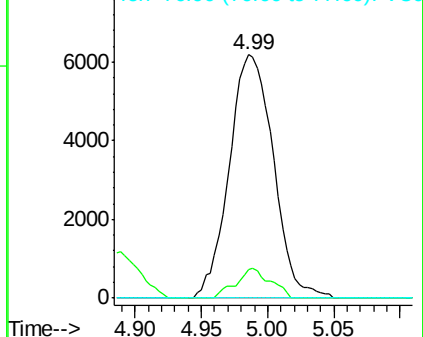
75 100

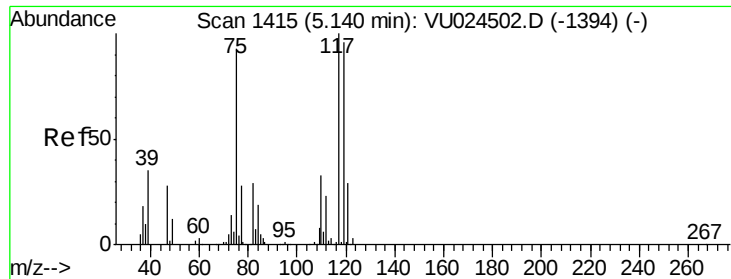
110 9.5 17.0 50.9#

77 0.0 24.2 36.4#



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

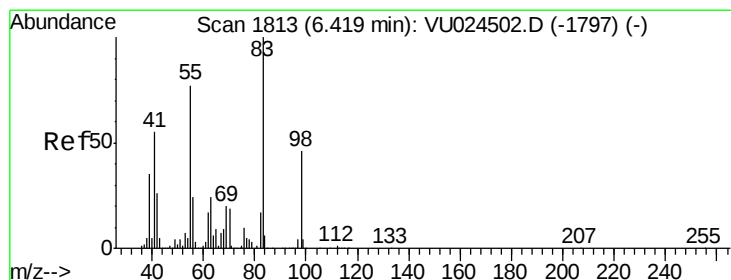
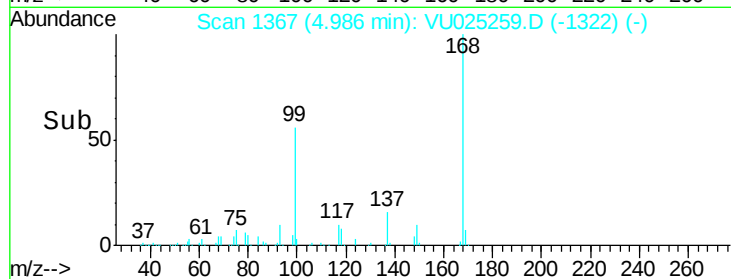
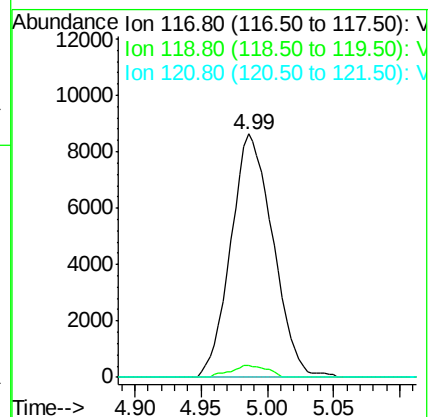
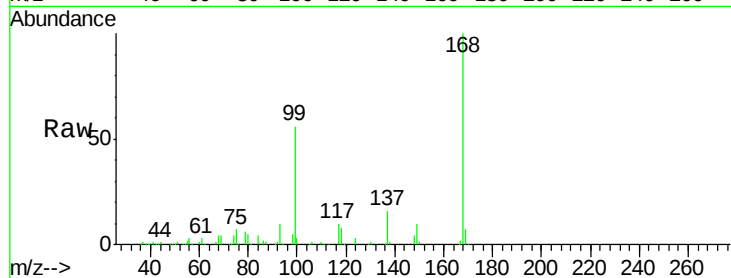




#38
Carbon Tetrachloride
Concen: 5.029 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.15 min
Lab File: VU025259.D
Acq: 06 Jul 2018 22:56

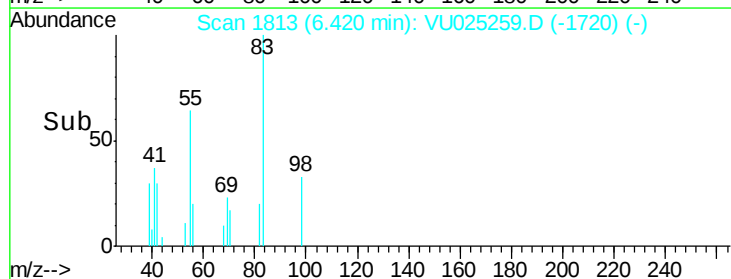
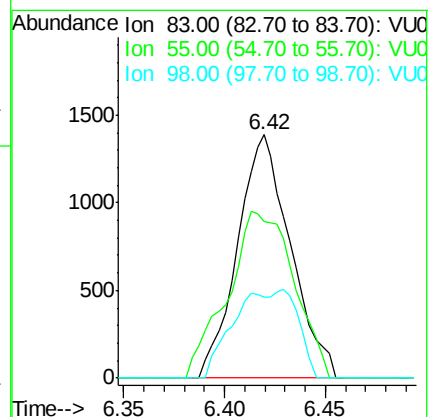
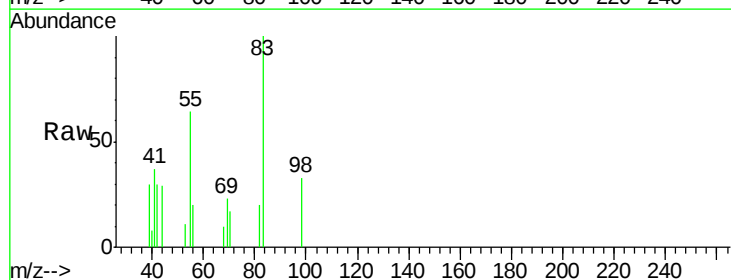
Instrument :
MSVOA_U
ClientSampleId :

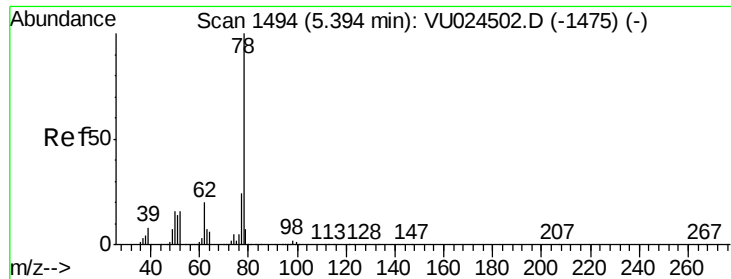
Tot Ion:117 Resp: 19108
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 23.7 35.5#



#39
Methylcyclohexane
Concen: 0.589 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025259.D
Acq: 06 Jul 2018 22:56

Tgt Ion: 83 Resp: 2539
Ion Ratio Lower Upper
83 100
55 64.1 65.8 98.6#
98 33.3 36.7 55.1#





#40

Benzene

Concen: 11.041 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025259.D

Acq: 06 Jul 2018 22:56

Instrument :

MSVOA_U

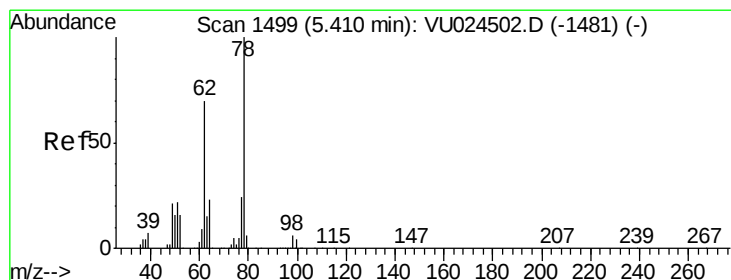
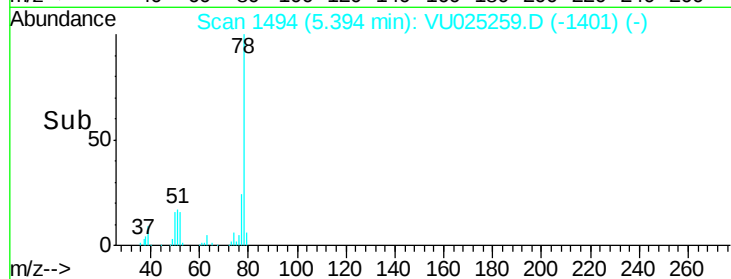
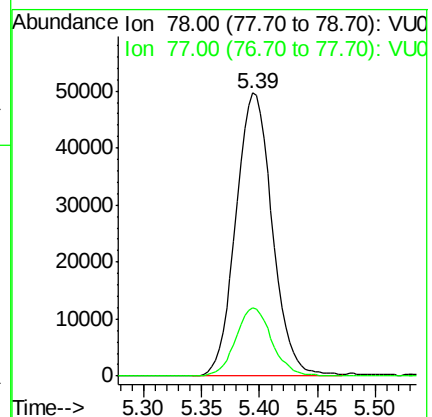
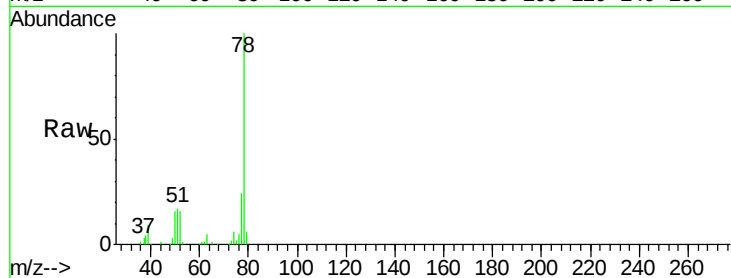
ClientSampled :

Tot Ion: 78 Resp: 108713

Ion Ratio Lower Upper

78 100

77 24.1 19.2 28.8



#42

1,2-Dichloroethane

Concen: 0.248 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VU025259.D

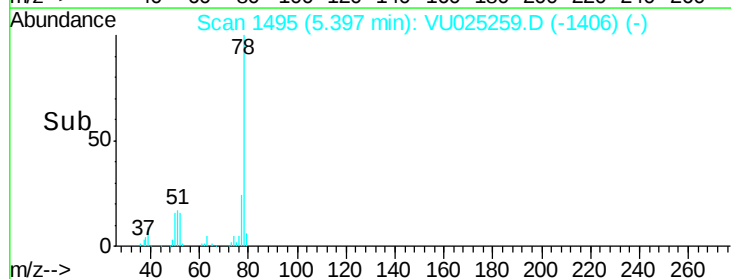
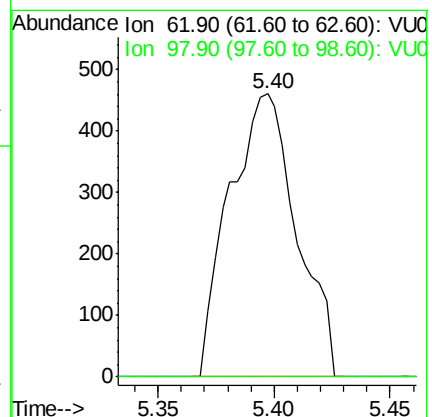
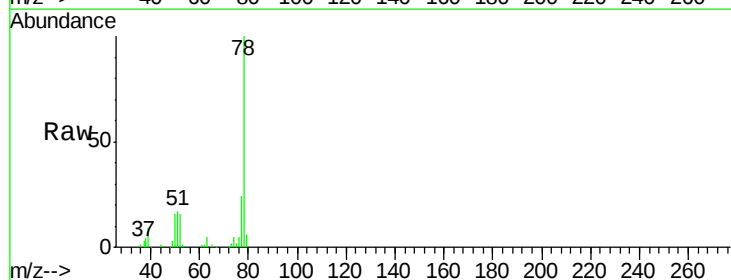
Acq: 06 Jul 2018 22:56

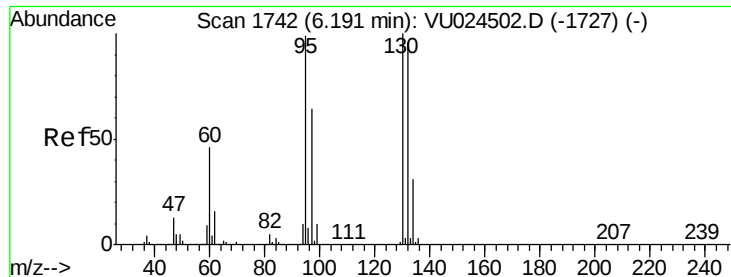
Tgt Ion: 62 Resp: 931

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6

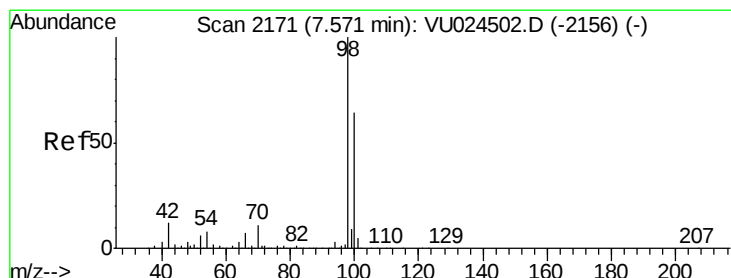
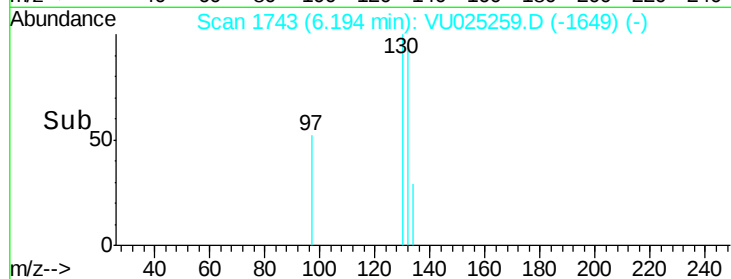
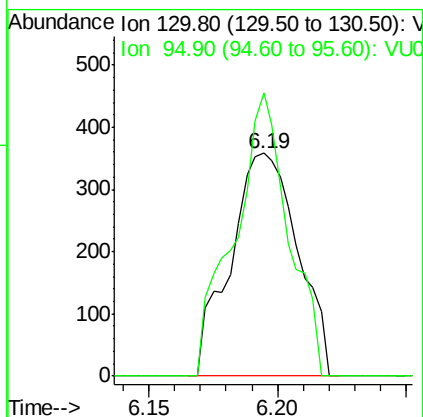
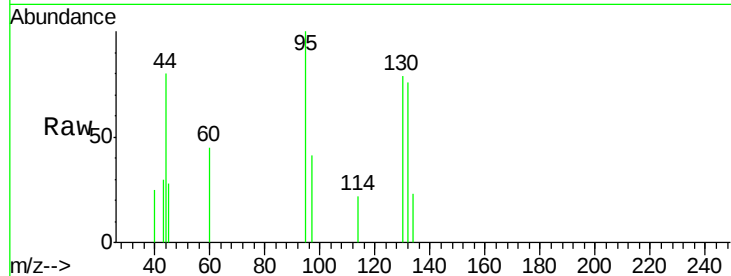




#44
 Trichloroethene
 Concen: 0.232 ug/l
 RT: 6.19 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: VU025259.D
 Acq: 06 Jul 2018 22:56

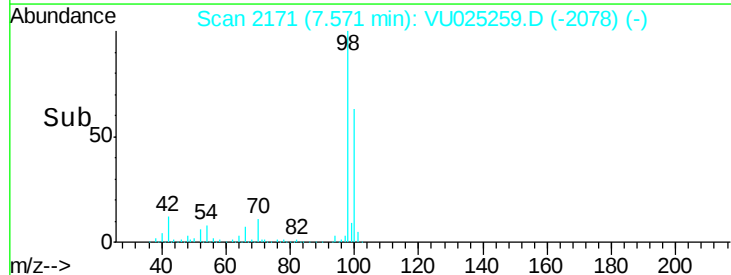
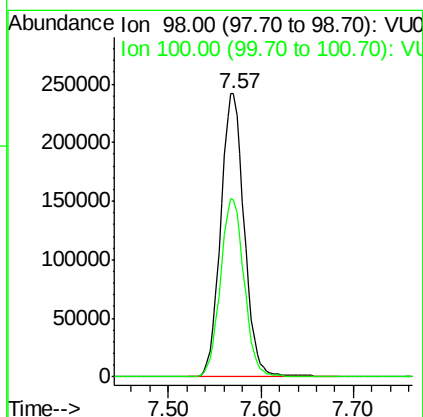
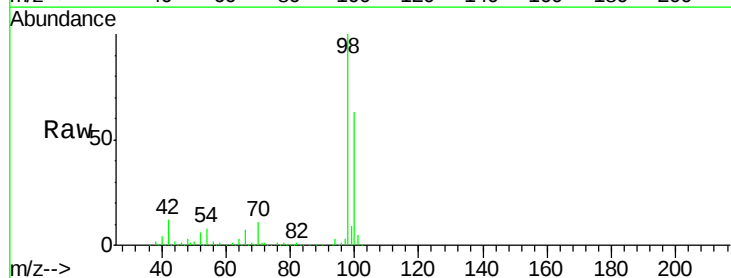
Instrument :
 MSVOA_U
 ClientSampleId :

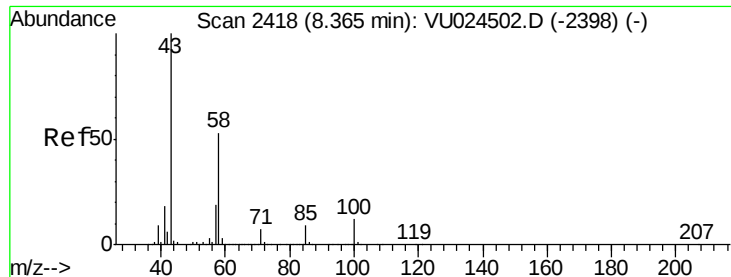
Tot Ion:130 Resp: 651
 Ion Ratio Lower Upper
 130 100
 95 127.1 0.0 202.4



#50
 Toluene-d8
 Concen: 47.735 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU025259.D
 Acq: 06 Jul 2018 22:56

Tgt Ion: 98 Resp: 424931
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.1 76.7

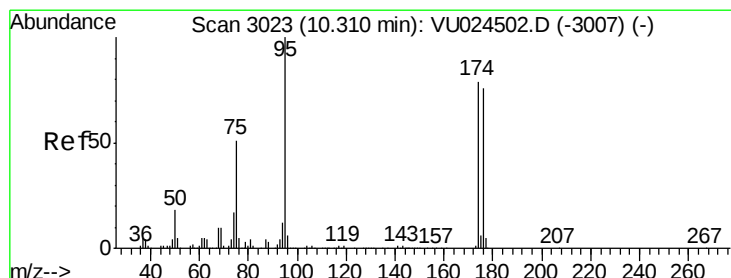
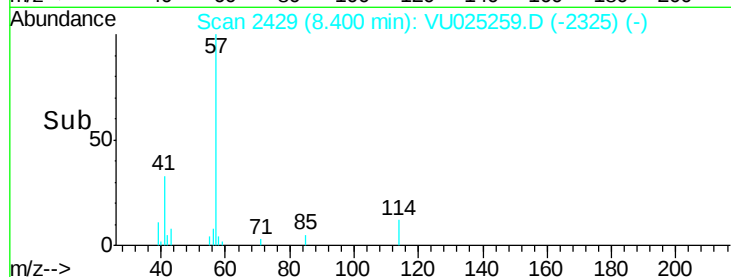
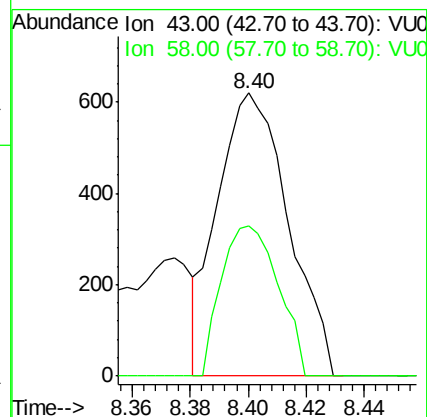
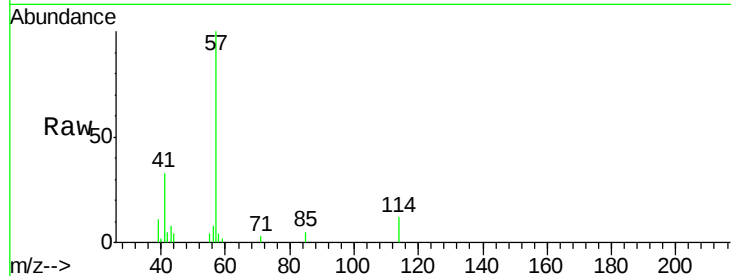




#59
2-Hexanone
Concen: 0.315 ug/l
RT: 8.40 min Scan# 2429
Delta R.T. 0.04 min
Lab File: VU025259.D
Acq: 06 Jul 2018 22:56

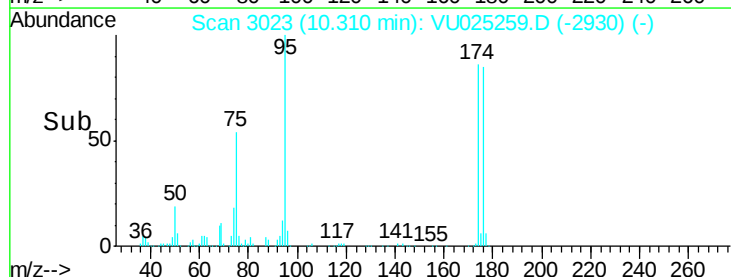
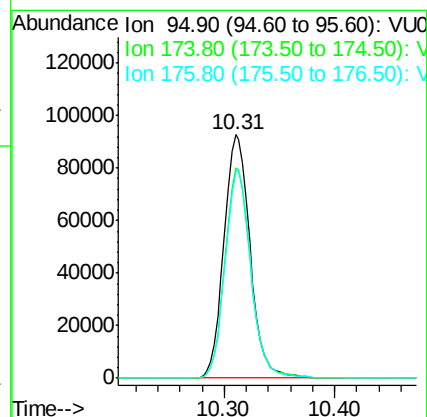
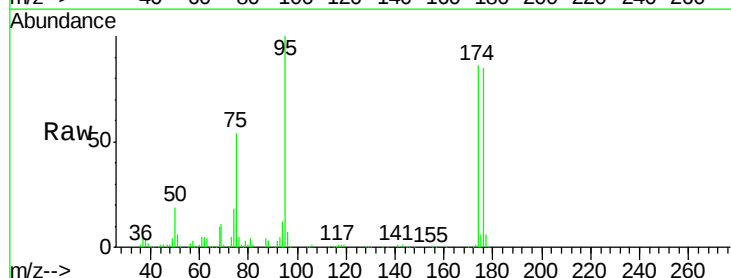
Instrument :
MSVOA_U
ClientSampleId :

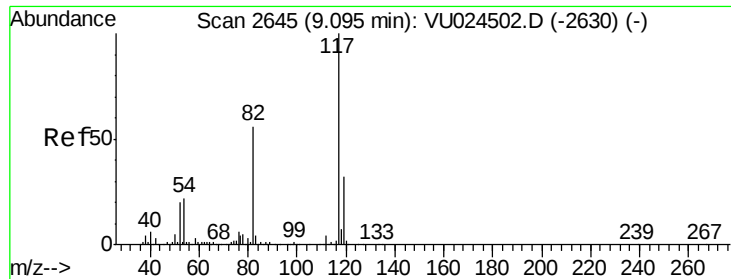
Tot Ion: 43 Resp: 1051
Ion Ratio Lower Upper
43 100
58 42.7 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 43.218 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025259.D
Acq: 06 Jul 2018 22:56

Tgt Ion: 95 Resp: 152749
Ion Ratio Lower Upper
95 100
174 85.2 0.0 165.8
176 84.7 0.0 159.4

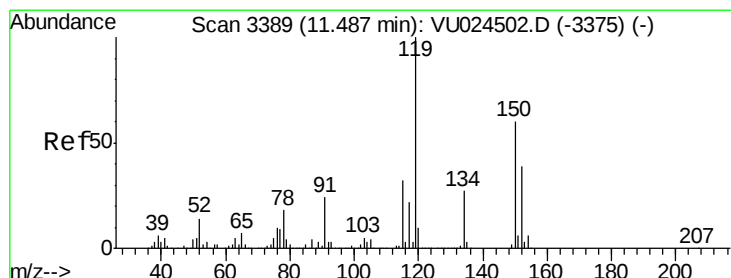
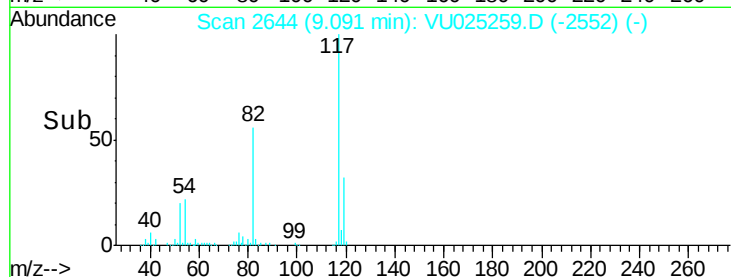
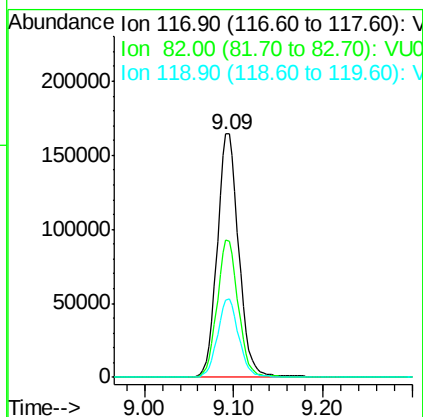
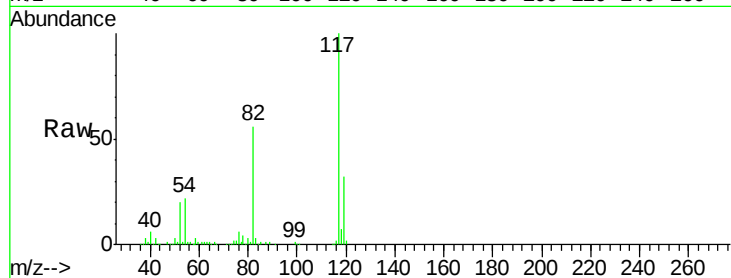




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025259.D
Acq: 06 Jul 2018 22:56

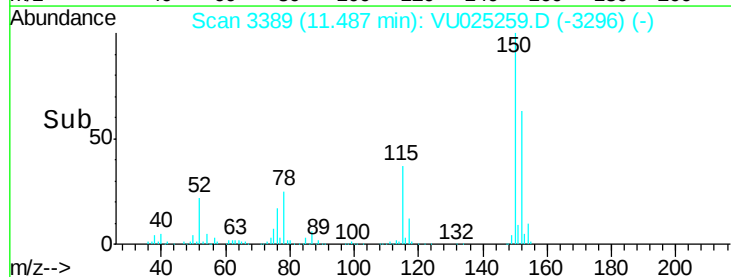
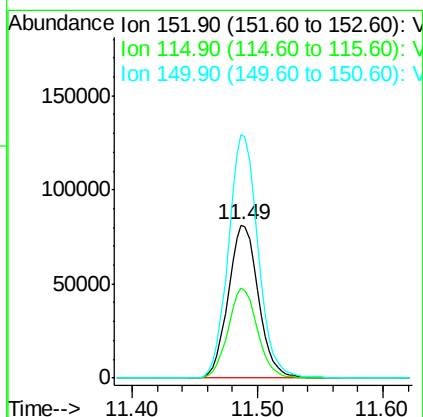
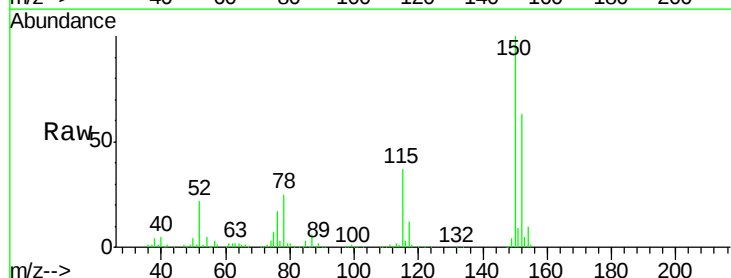
Instrument :
MSVOA_U
ClientSampled :

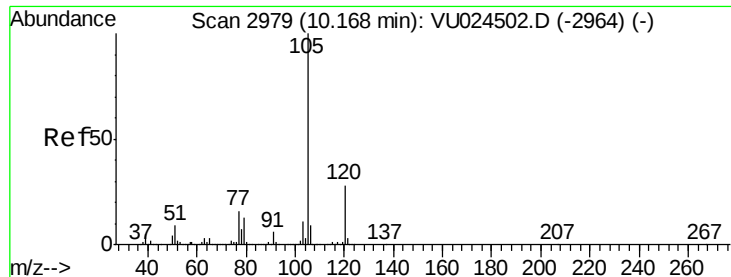
Tot Ion:117 Resp: 275418
Ion Ratio Lower Upper
117 100
82 56.4 44.3 66.5
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025259.D
Acq: 06 Jul 2018 22:56

Tgt Ion:152 Resp: 135690
Ion Ratio Lower Upper
152 100
115 57.3 43.0 129.0
150 156.1 0.0 354.0





#73

Isopropylbenzene

Concen: 0.255 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025259.D

Acq: 06 Jul 2018 22:56

Instrument :

MSVOA_U

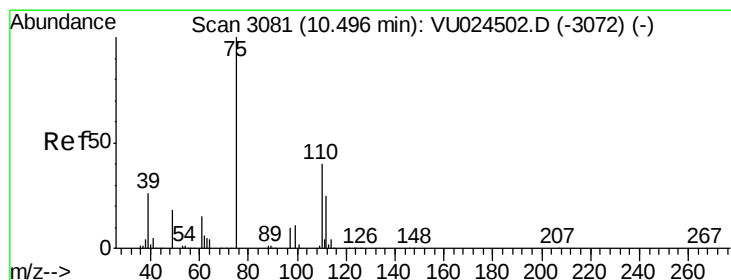
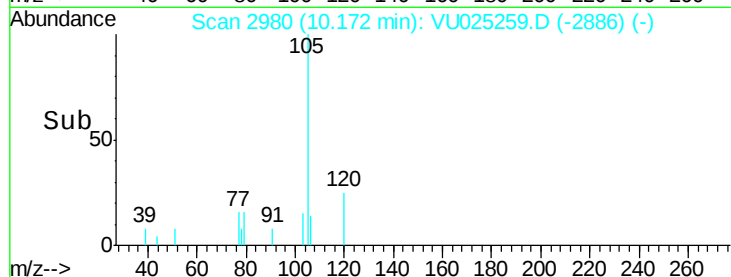
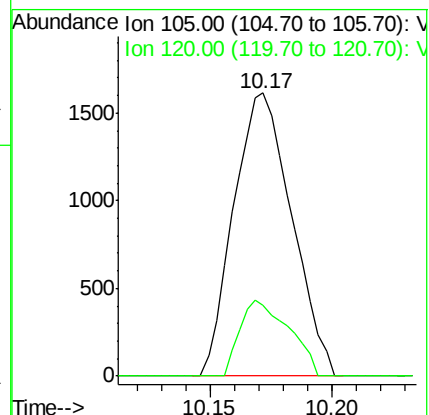
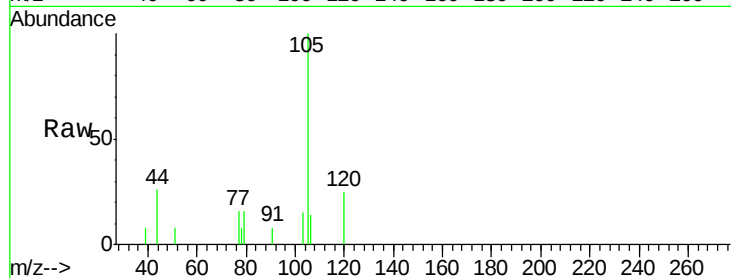
ClientSampled :

Tot Ion:105 Resp: 2660

Ion Ratio Lower Upper

105 100

120 22.7 13.2 39.6



#76

1,2,3-Trichloropropane

Concen: 26.914 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025259.D

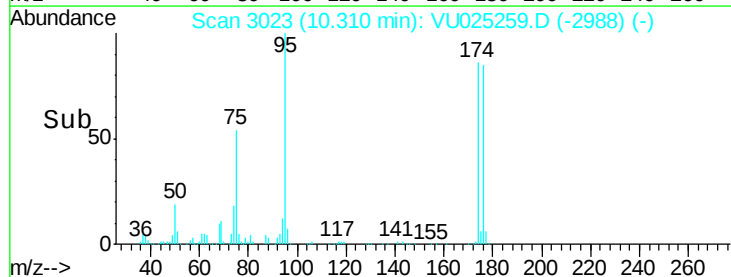
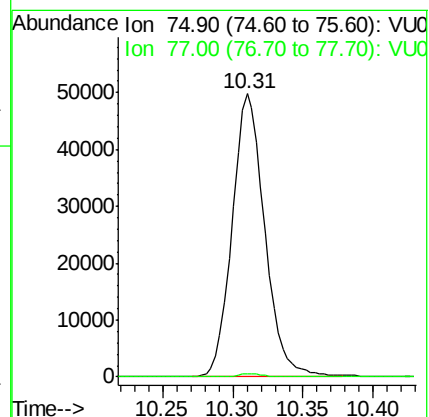
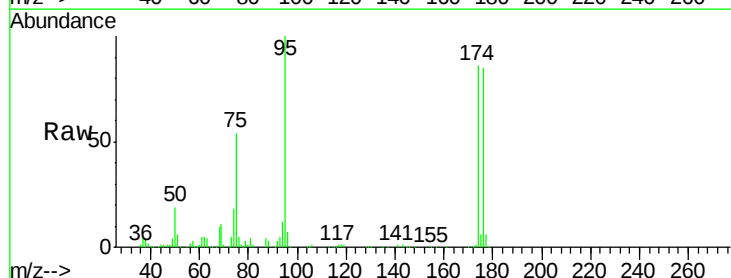
Acq: 06 Jul 2018 22:56

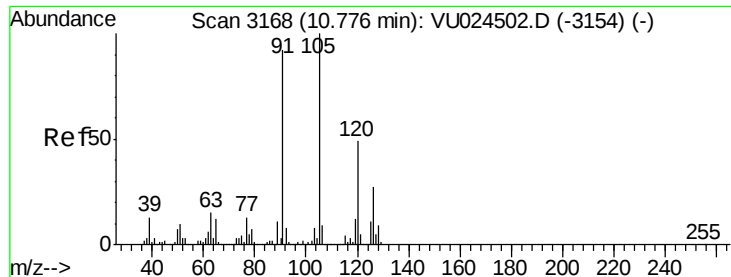
Tgt Ion: 75 Resp: 80403

Ion Ratio Lower Upper

75 100

77 0.9 20.9 62.7#





#80

1,3,5-Trimethylbenzene

Concen: 0.201 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025259.D

Acq: 06 Jul 2018 22:56

Instrument :

MSVOA_U

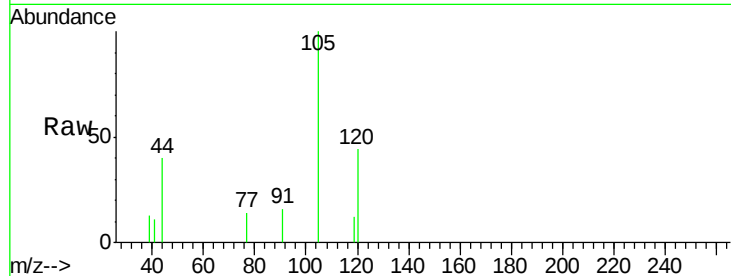
ClientSampled :

Tot Ion:105 Resp: 1812

Ion Ratio Lower Upper

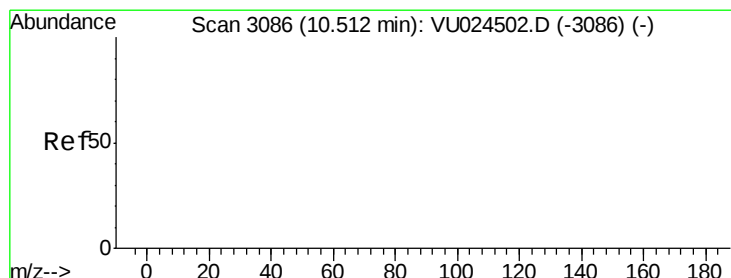
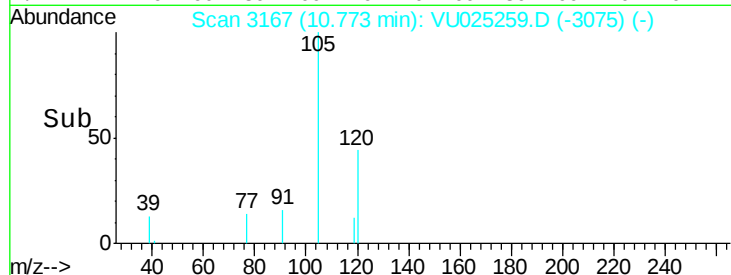
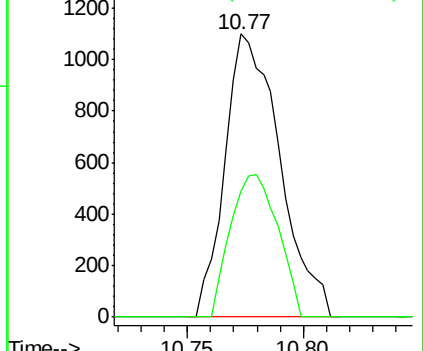
105 100

120 43.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 62.290 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025259.D

Acq: 06 Jul 2018 22:56

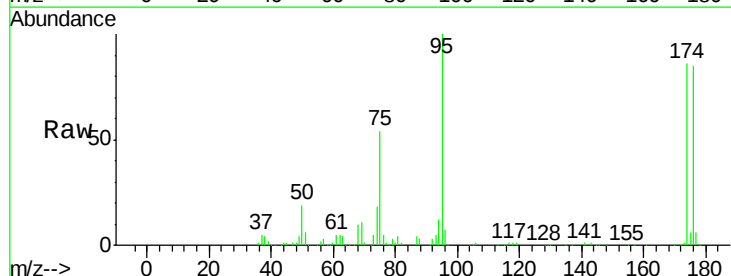
Tgt Ion: 75 Resp: 80403

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

