

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024533.D
 Acq On : 14 Jun 2018 12:38
 Operator : MD/SY
 Sample : J3251-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:33:39 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	176373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	302290	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	290513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	173228	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	134713	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
35) Dibromofluoromethane	4.89	113	121888	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	7.57	98	444331	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	10.31	95	174558	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	

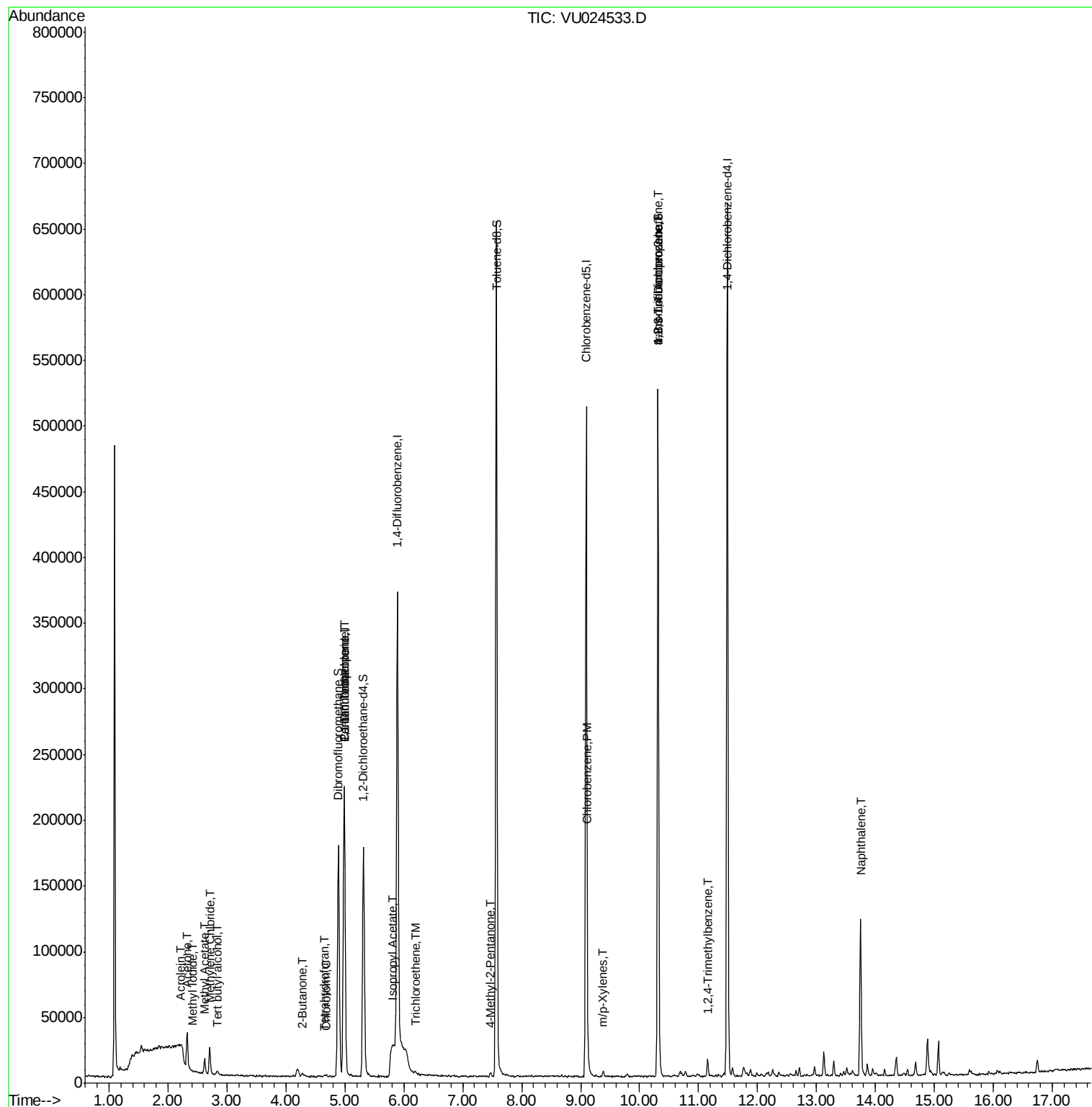
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	223	Below Cal	#	43
8) Diethyl Ether	2.18	74	76	Below Cal		69
10) Methyl Iodide	2.42	142	39	5.307	ug/l #	40
11) Tert butyl alcohol	2.83	59	2492	3.559	ug/l #	83
13) Acrolein	2.21	56	146	0.397	ug/l #	13
16) Acetone	2.32	43	29994	19.388	ug/l	96
18) Methyl Acetate	2.62	43	13217	3.985	ug/l	99
20) Methylene Chloride	2.71	84	9510	3.918	ug/l	94
25) 2-Butanone	4.28	43	3978	1.914	ug/l	98
29) Tetrahydrofuran	4.66	42	1276	0.992	ug/l #	73
30) Chloroform	4.68	83	1037	0.241	ug/l	85
31) Cyclohexane	4.99	56	3620	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	12833	3.613	ug/l #	52
38) Carbon Tetrachloride	4.99	117	15674	4.013	ug/l #	17
43) Isopropyl Acetate	5.81	43	25701	3.840	ug/l #	63
44) Trichloroethene	6.19	130	676	0.235	ug/l	64
51) 4-Methyl-2-Pentanone	7.47	43	2181	0.519	ug/l	93
65) Chlorobenzene	9.12	112	2390	0.322	ug/l	91
68) m/p-Xylenes	9.38	106	1240	0.248	ug/l	92
76) 1,2,3-Trichloropropane	10.31	75	87405	22.918	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	87405	53.041	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.16	105	7376	0.628	ug/l	100
95) Naphthalene	13.75	128	98101	8.276	ug/l	100

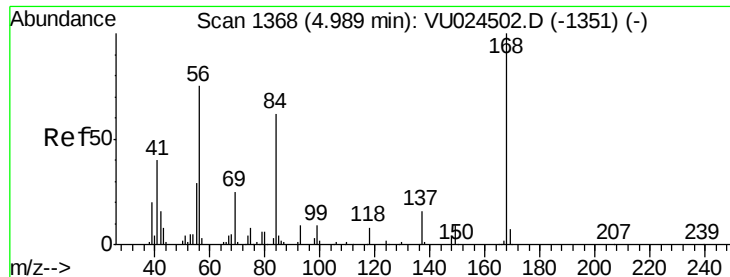
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\
Data File : VU024533.D
Acq On : 14 Jun 2018 12:38
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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 15 01:33:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
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: VU024533.D

Acq: 14 Jun 2018 12:38

Instrument :

MSVOA_U

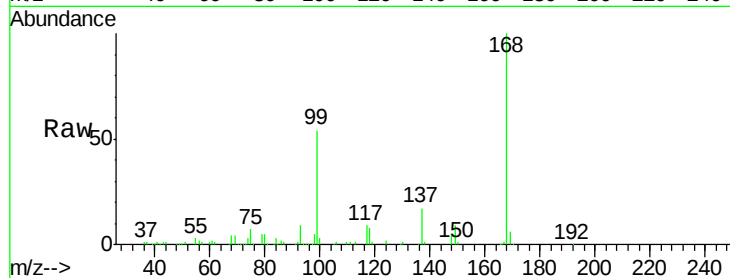
ClientSampled :

Tot Ion:168 Resp: 176373

Ion Ratio Lower Upper

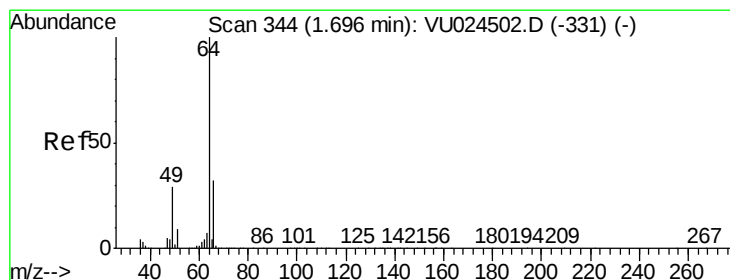
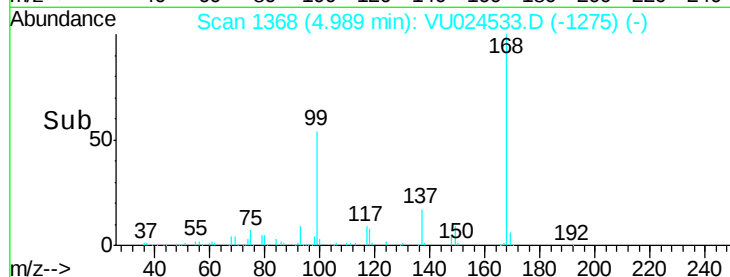
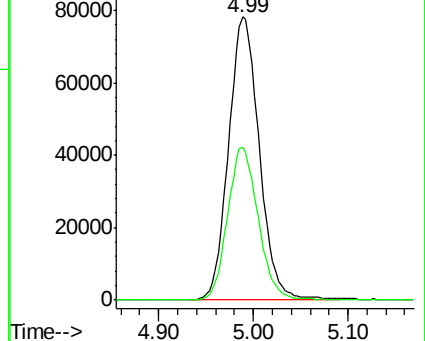
168 100

99 54.0 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



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU024533.D

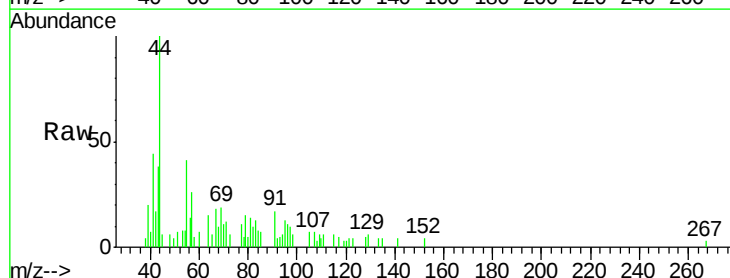
Acq: 14 Jun 2018 12:38

Tgt Ion: 64 Resp: 223

Ion Ratio Lower Upper

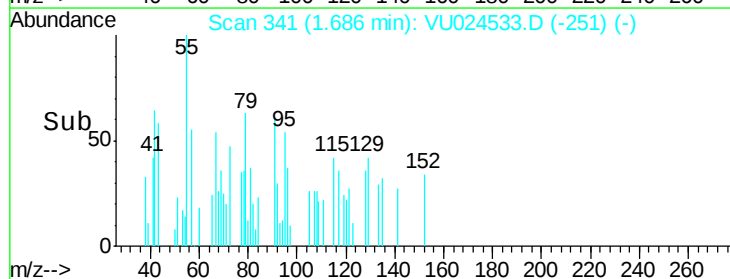
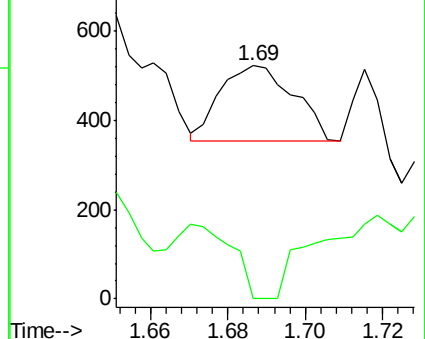
64 100

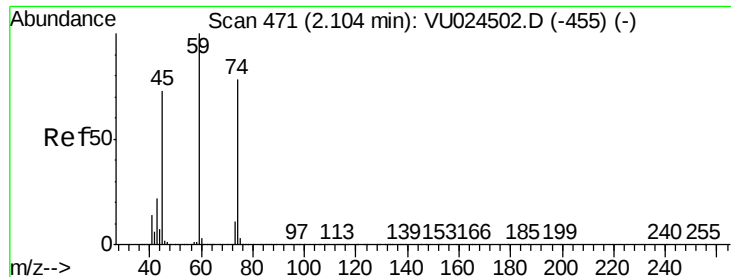
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D

Ion 65.90 (65.60 to 66.60): VU024502.D

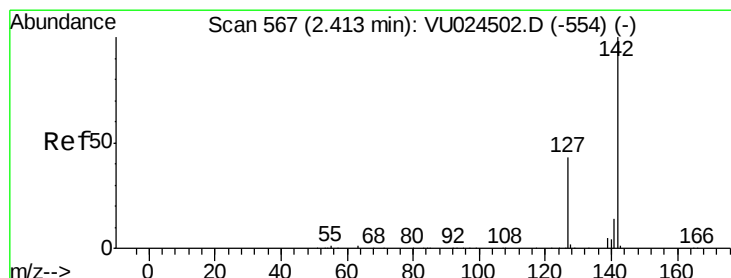
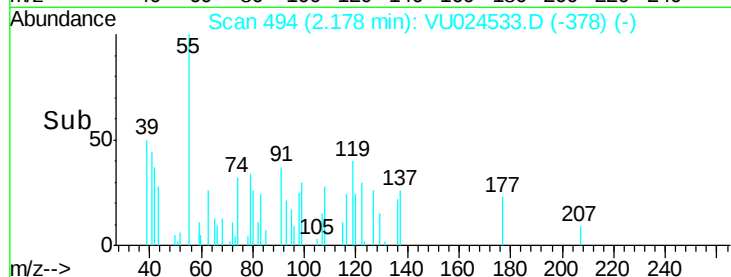
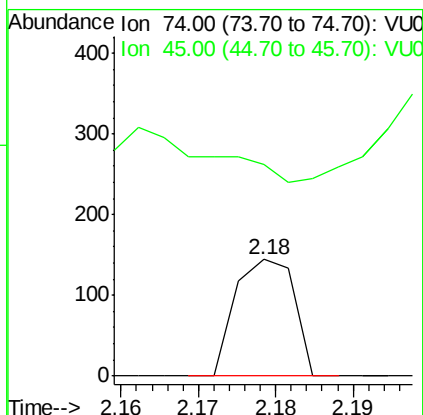
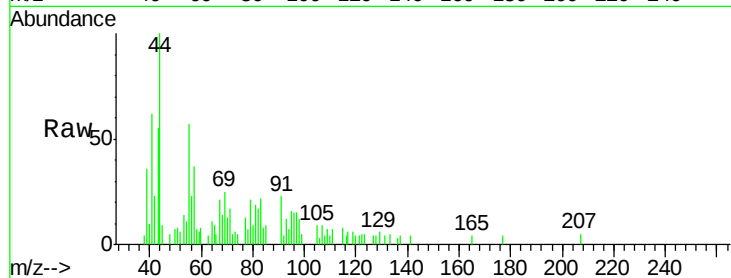




#8
Diethyl Ether
Concen: Below Cal
RT: 2.18 min Scan# 494
Delta R.T. 0.07 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

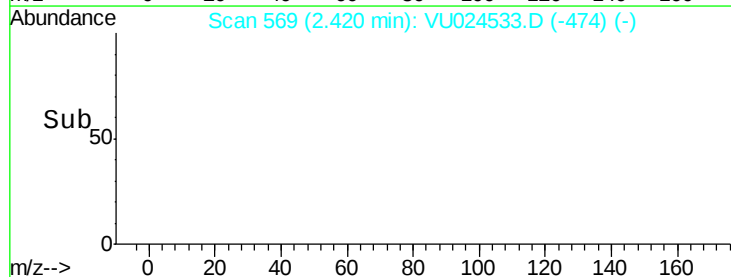
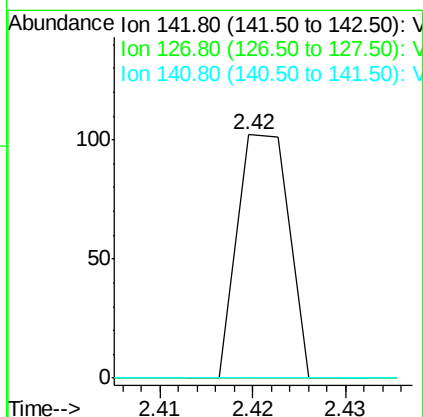
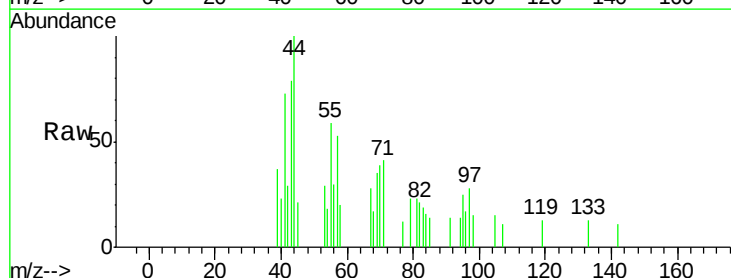
Instrument :
MSVOA_U
ClientSampled :

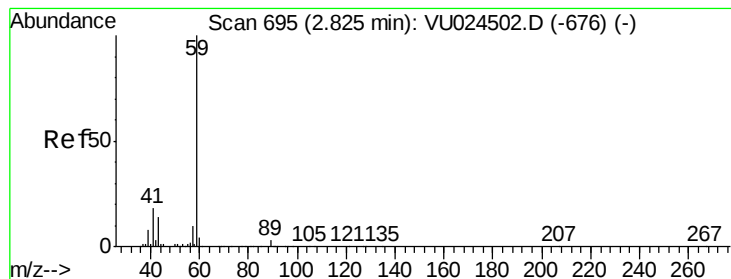
Tot Ion: 74 Resp: 76
Ion Ratio Lower Upper
74 100
45 77.6 55.0 165.0



#10
Methyl Iodide
Concen: 5.307 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

Tgt Ion: 142 Resp: 39
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



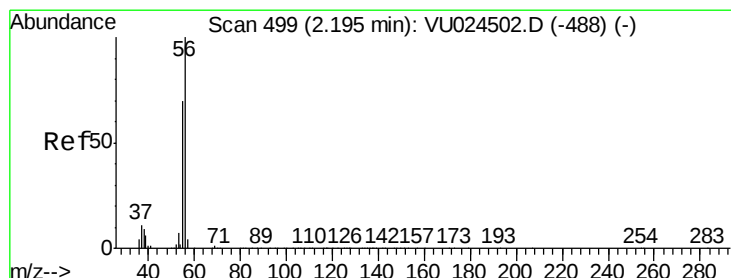
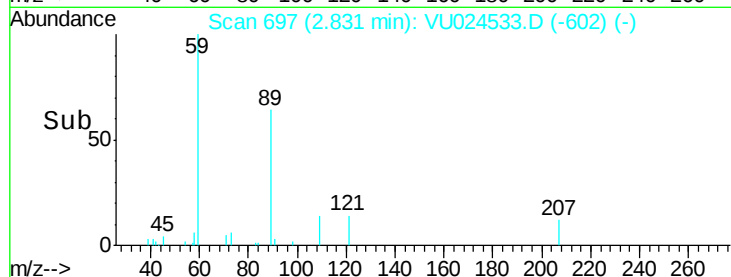
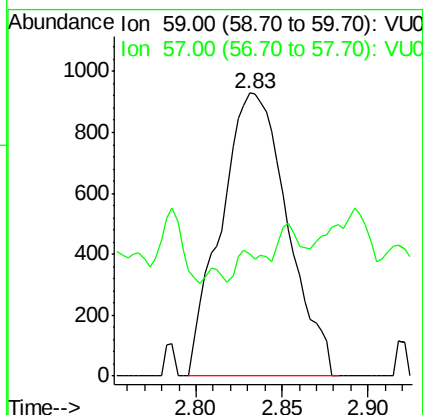
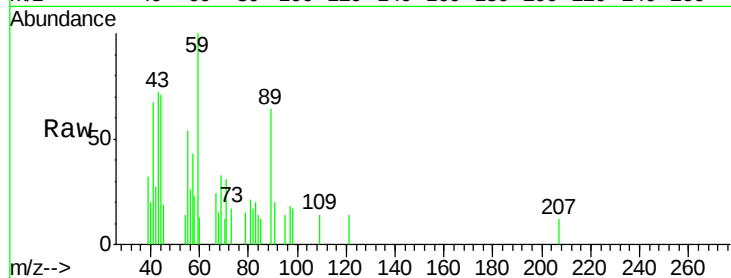


#11

Tert butyl alcohol
 Concen: 3.559 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VU024533.D
 Acq: 14 Jun 2018 12:38

Instrument :
 MSVOA_U
 ClientSampled :

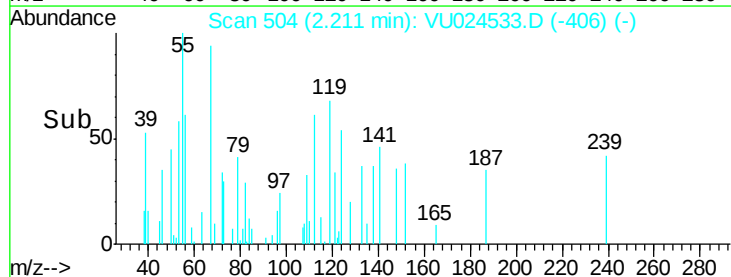
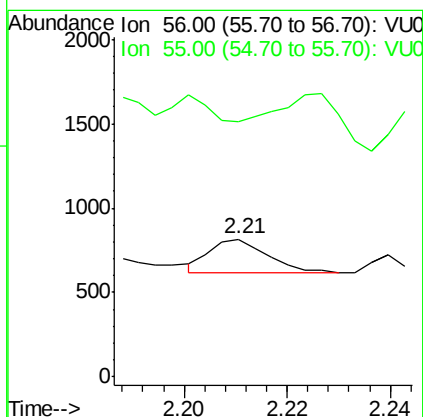
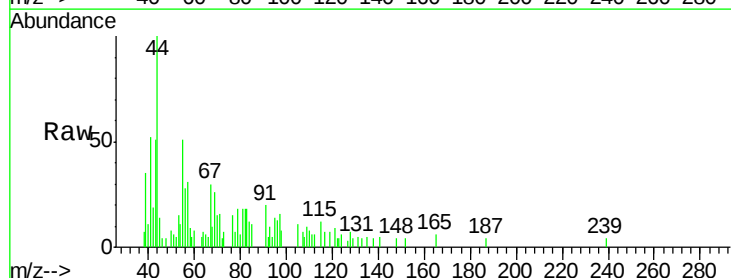
Tot Ion: 59 Resp: 2492
 Ion Ratio Lower Upper
 59 100
 57 4.3 8.5 12.7#

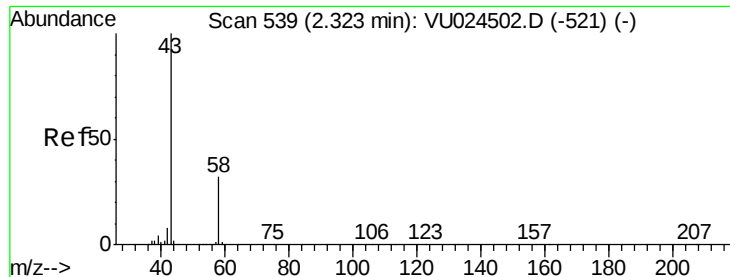


#13

Acrolein
 Concen: 0.397 ug/l
 RT: 2.21 min Scan# 504
 Delta R.T. 0.02 min
 Lab File: VU024533.D
 Acq: 14 Jun 2018 12:38

Tgt Ion: 56 Resp: 146
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.4 87.6#





#16

Acetone

Concen: 19.388 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024533.D

Acq: 14 Jun 2018 12:38

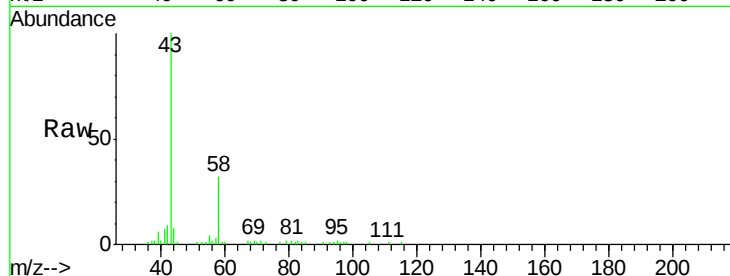
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 29994

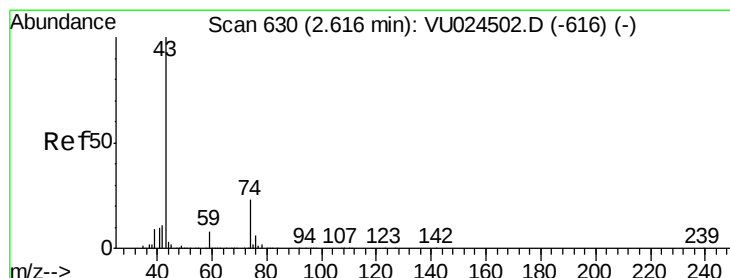
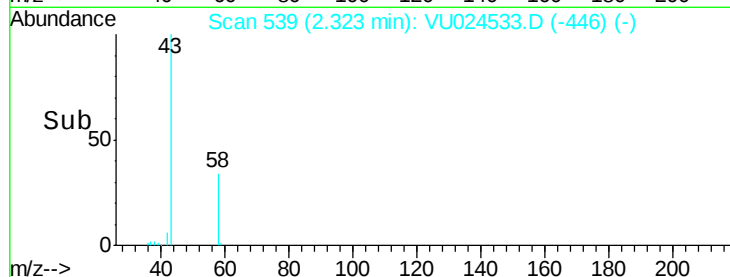
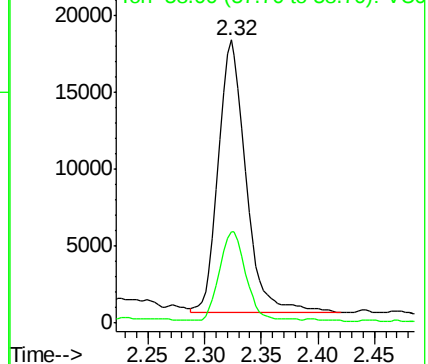
Ion Ratio Lower Upper

43 100

58 32.7 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 3.985 ug/l

RT: 2.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU024533.D

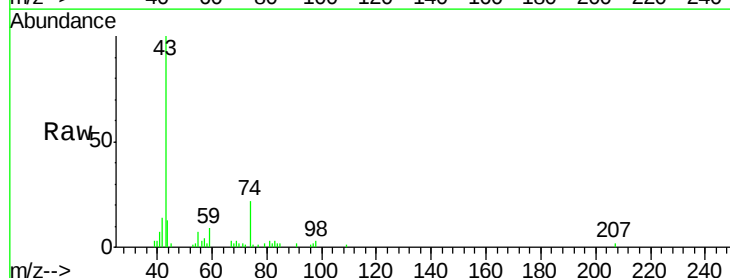
Acq: 14 Jun 2018 12:38

Tgt Ion: 43 Resp: 13217

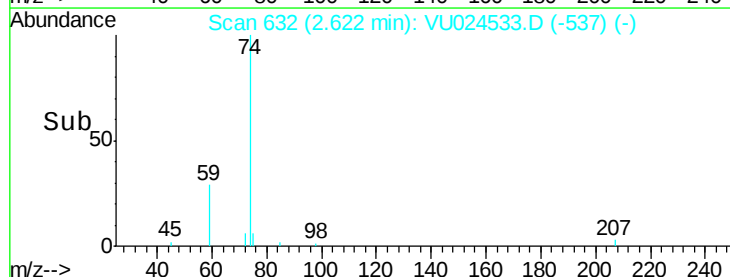
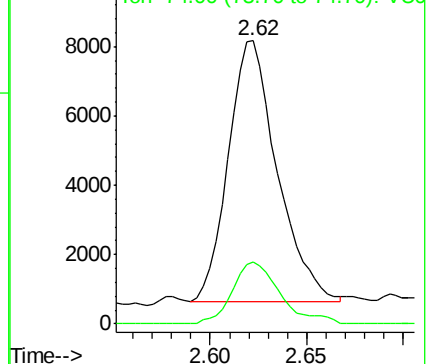
Ion Ratio Lower Upper

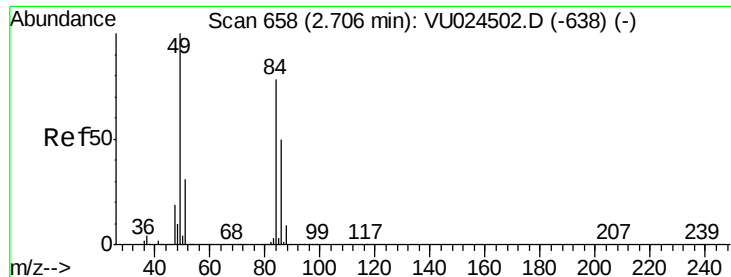
43 100

74 23.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

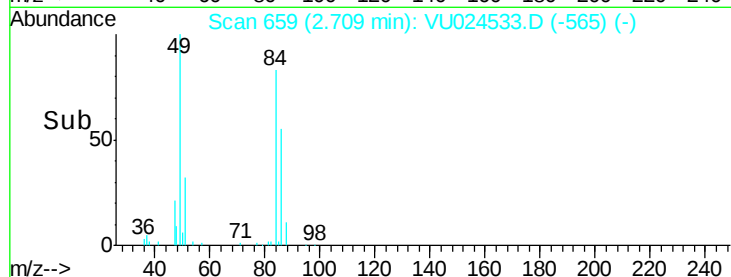
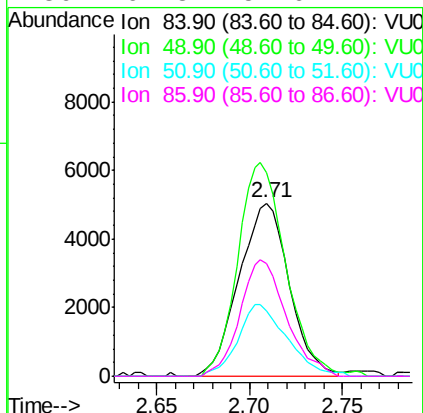
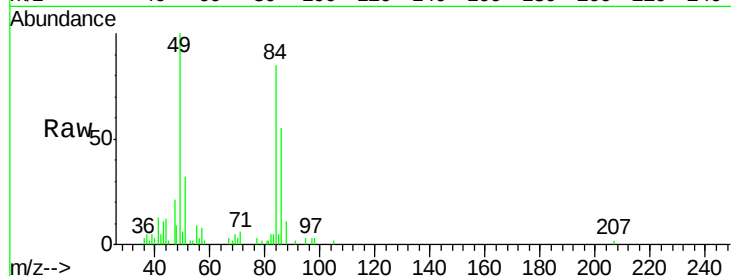




#20
Methvlene Chloride
Concen: 3.918 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.00 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

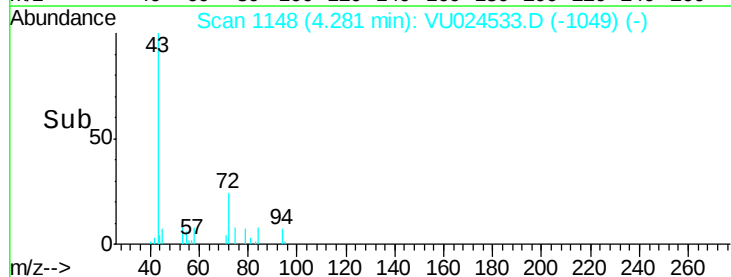
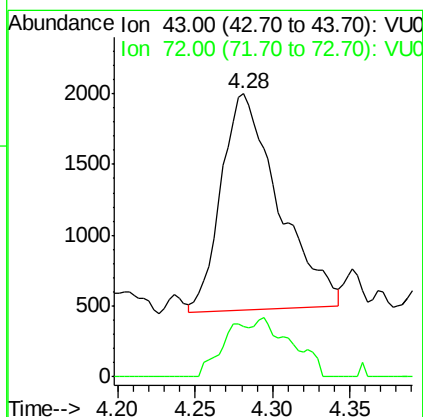
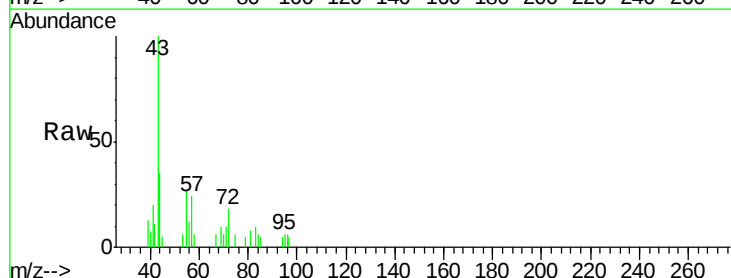
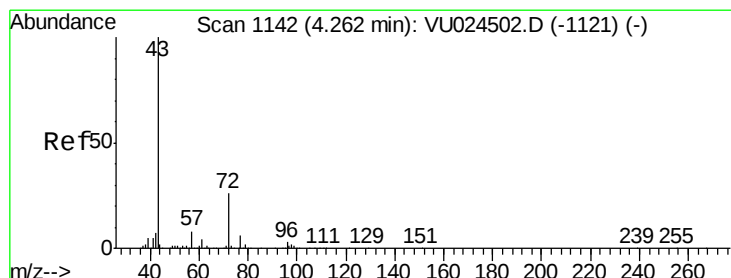
Instrument :
MSVOA_U
ClientSampleId :

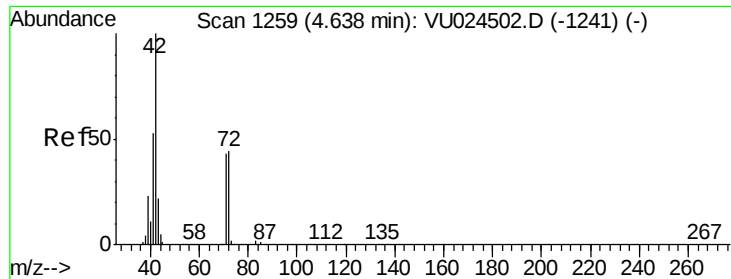
Tot Ion: 84 Resp: 9510
Ion Ratio Lower Upper
84 100
49 117.8 103.8 155.8
51 37.7 32.0 48.0
86 64.8 51.6 77.4



#25
2-Butanone
Concen: 1.914 ug/l
RT: 4.28 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

Tgt Ion: 43 Resp: 3978
Ion Ratio Lower Upper
43 100
72 23.7 19.6 29.4

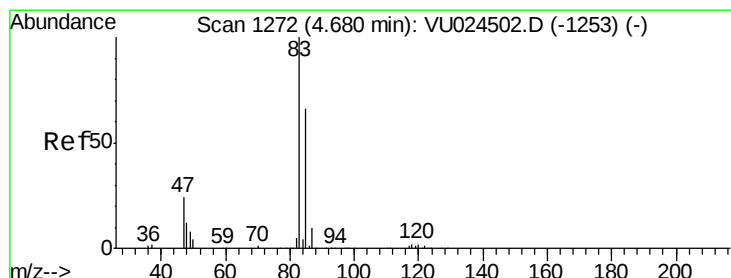
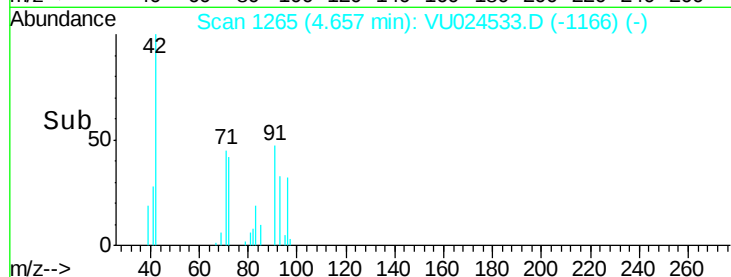
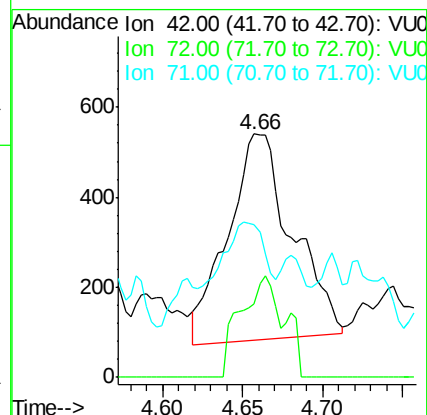
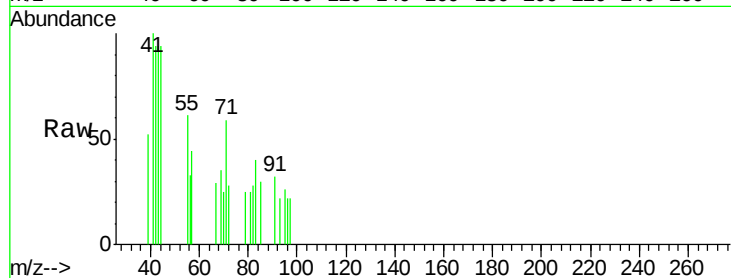




#29
Tetrahydrofuran
Concen: 0.992 ug/l
RT: 4.66 min Scan# 1265
Delta R.T. 0.02 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

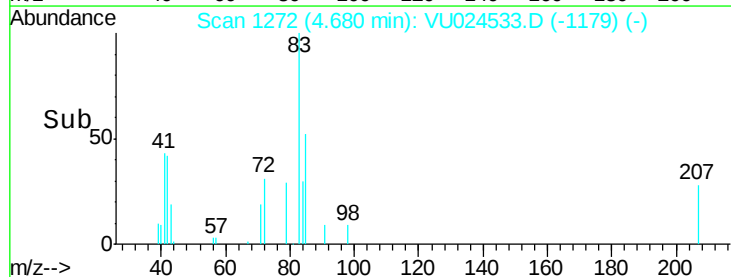
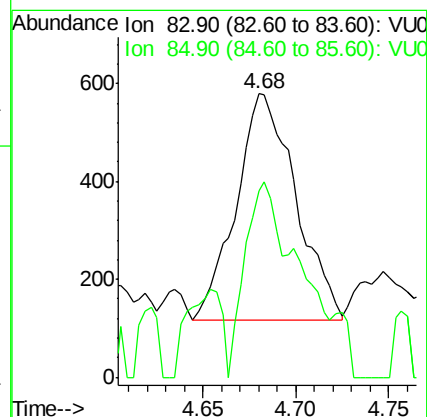
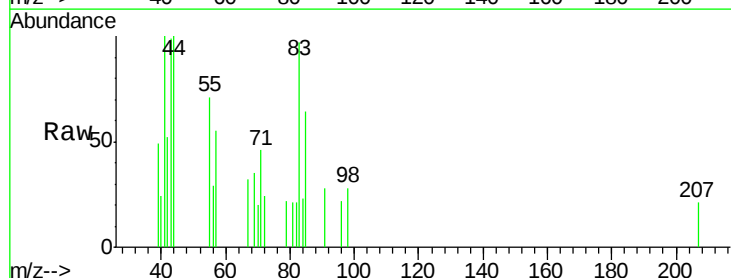
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MSVOA_U
ClientSampled :

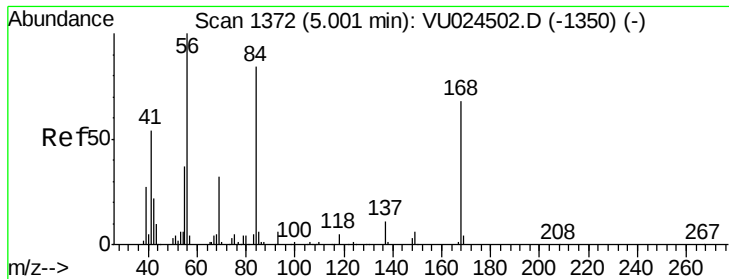
Tot Ion: 42 Resp: 1276
Ion Ratio Lower Upper
42 100
72 26.9 34.5 51.7#
71 23.0 32.2 48.4#



#30
Chloroform
Concen: 0.241 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

Tgt Ion: 83 Resp: 1037
Ion Ratio Lower Upper
83 100
85 53.9 52.4 78.6

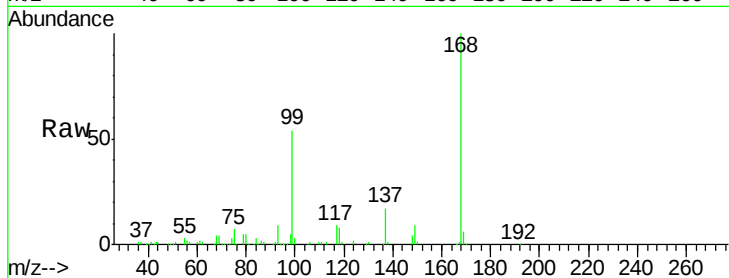




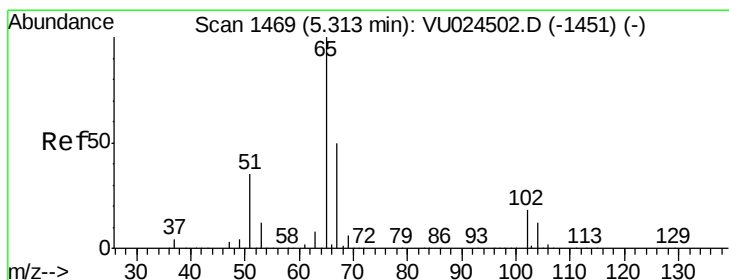
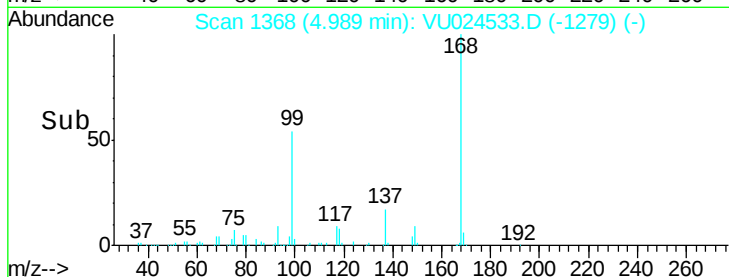
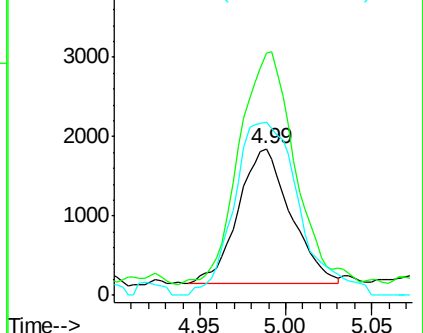
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 3620
Ion Ratio Lower Upper
56 100
69 167.5 24.8 37.2#
84 128.0 65.2 97.8#

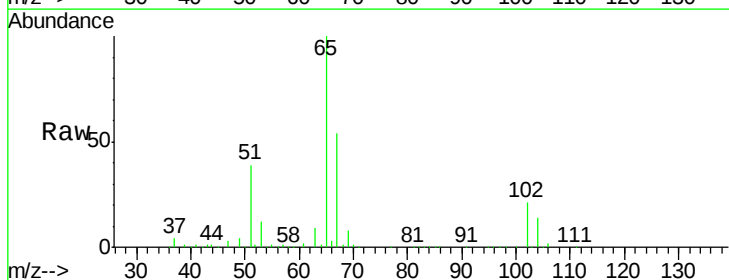


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

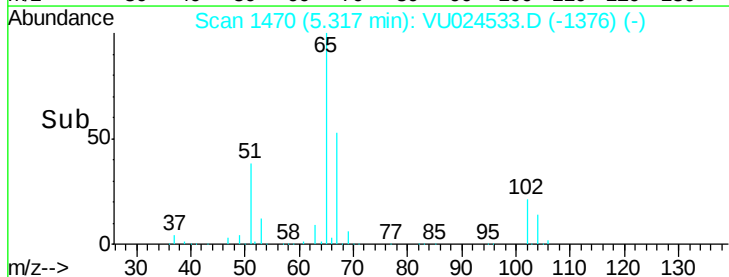
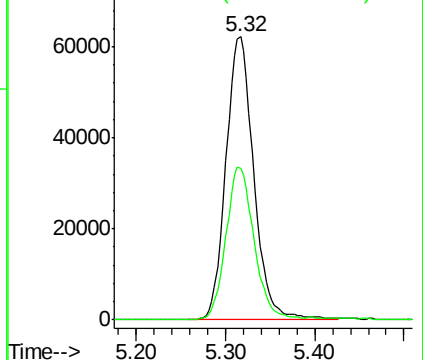


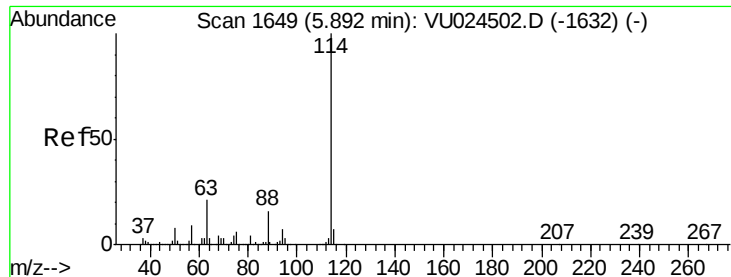
#33
1,2-Dichloroethane-d4
Concen: 46.786 ug/l
RT: 5.32 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

Tgt Ion: 65 Resp: 134713
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

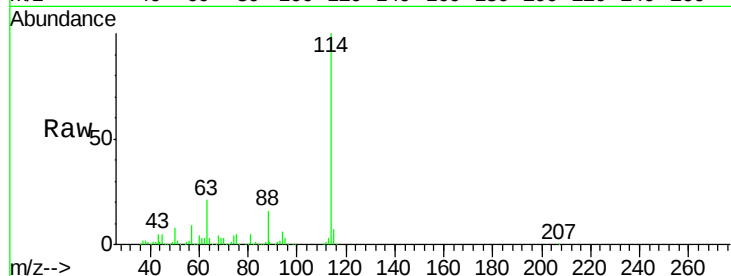




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

Instrument :
MSVOA_U
ClientSampleId :

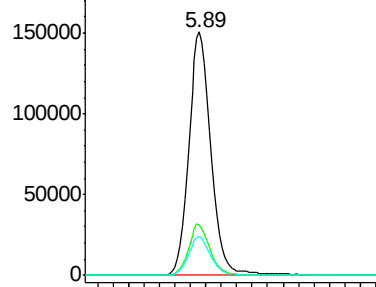
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	45.4
88	16.0	0.0	31.0



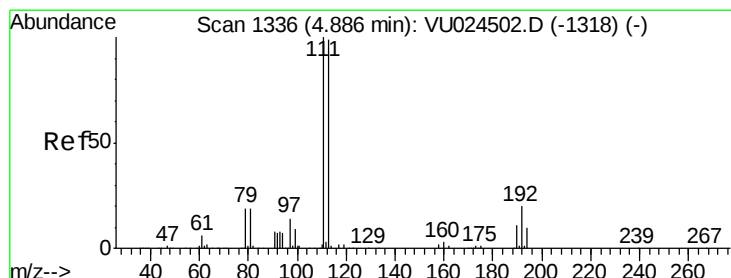
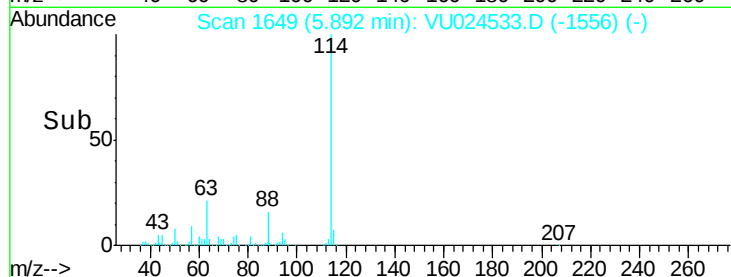
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

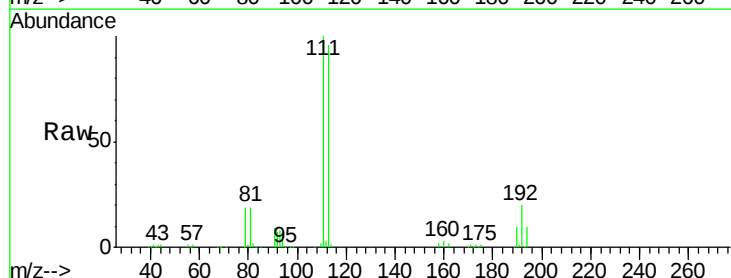


Time-->



#35
Dibromofluoromethane
Concen: 48.585 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

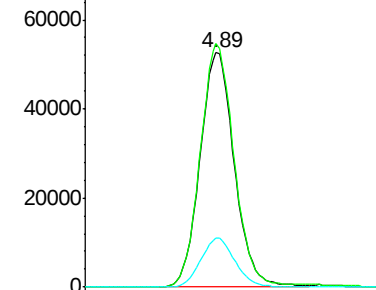
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	20.9	16.2	24.4



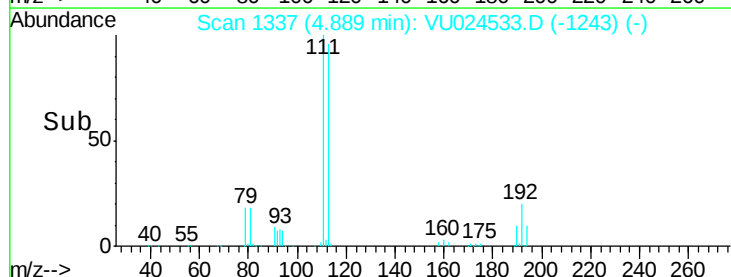
Abundance Ion 112.80 (112.50 to 113.50): V

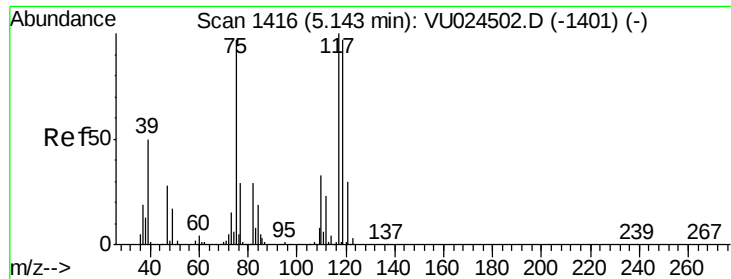
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->

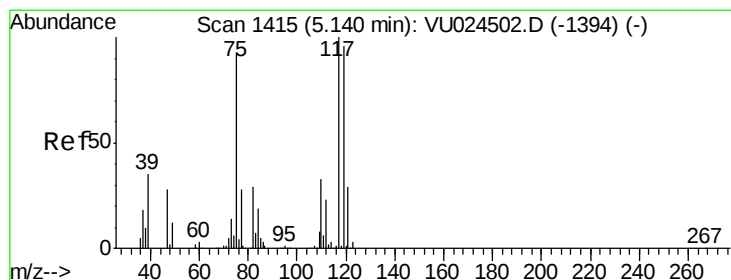
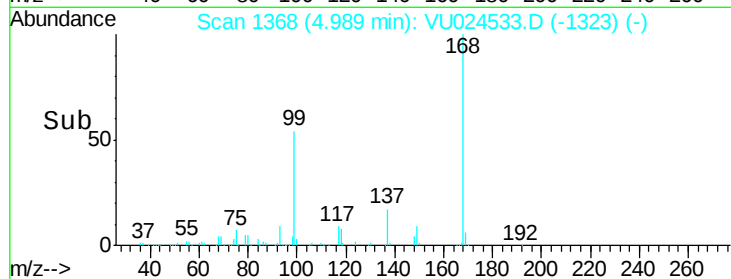
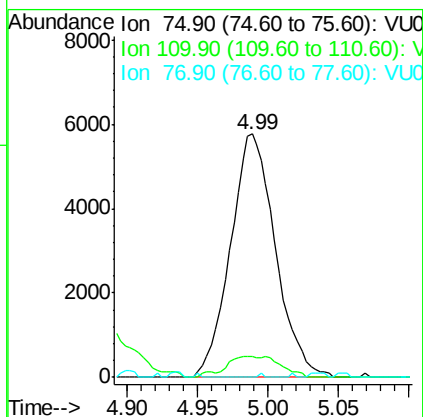
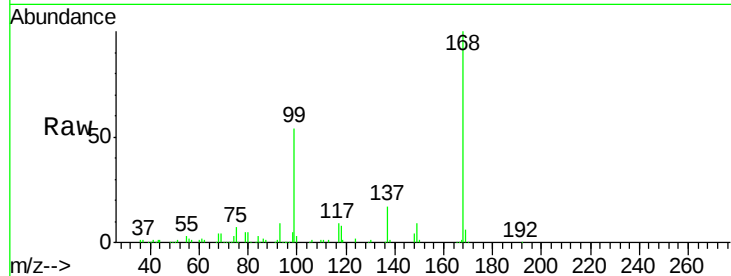




#36
 1,1-Dichloropropene
 Concen: 3.613 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024533.D
 Acq: 14 Jun 2018 12:38

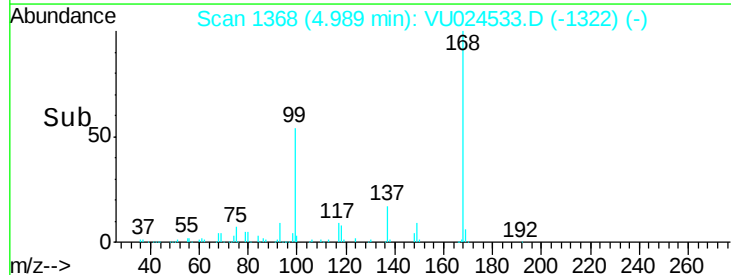
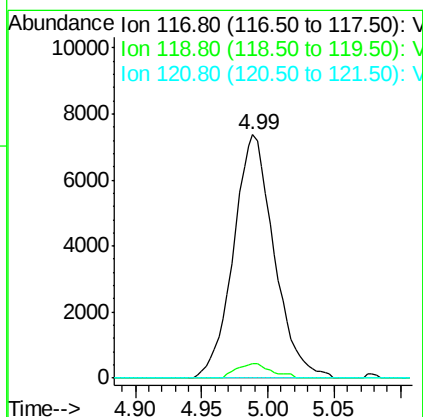
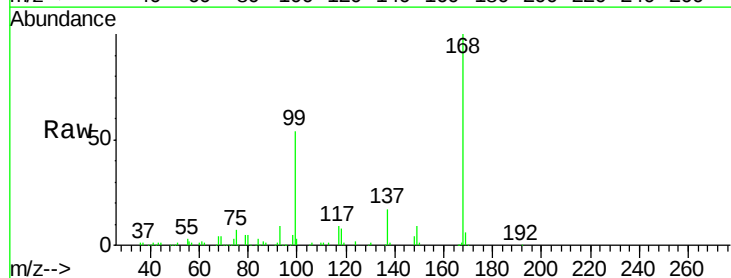
Instrument :
 MSVOA_U
 ClientSampleId :

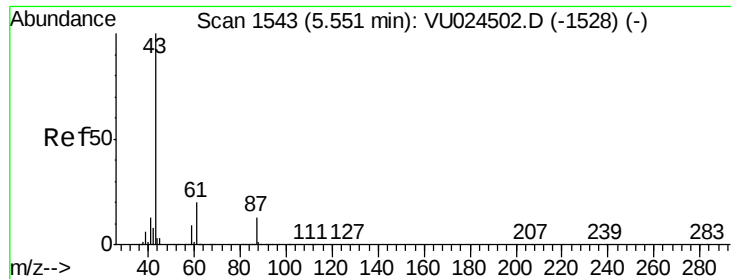
Tot Ion	75	Resp	12833
Ion Ratio	Lower	Upper	
75	100		
110	10.5	17.0	50.9#
77	0.2	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.013 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024533.D
 Acq: 14 Jun 2018 12:38

Tgt Ion	117	Resp	15674
Ion Ratio	Lower	Upper	
117	100		
119	6.2	76.1	114.1#
121	0.0	23.7	35.5#

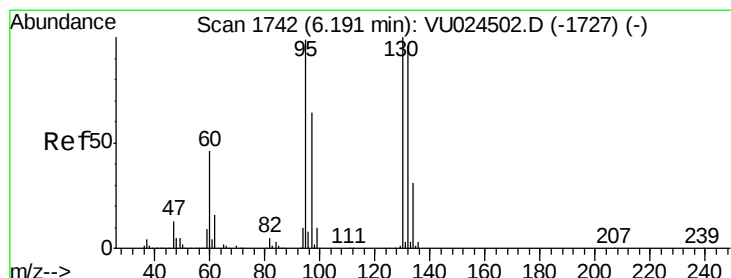
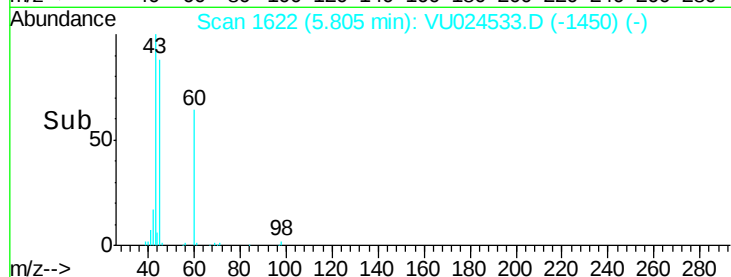
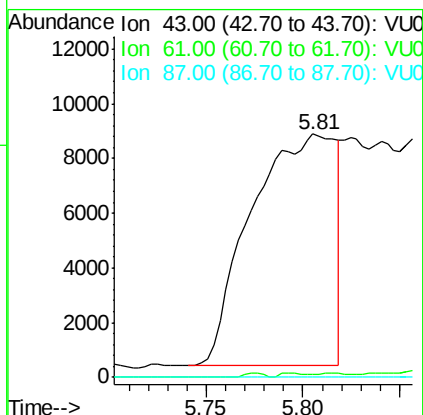
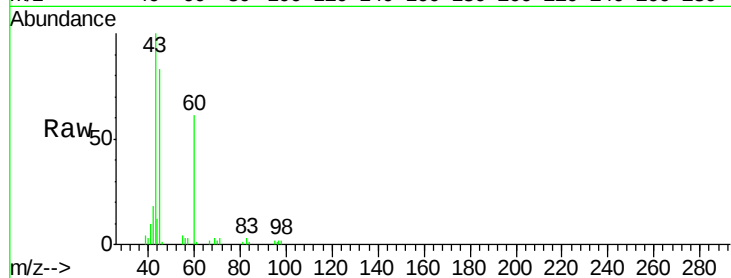




#43
Isopropyl Acetate
Concen: 3.840 ug/l
RT: 5.81 min Scan# 1622
Delta R.T. 0.25 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

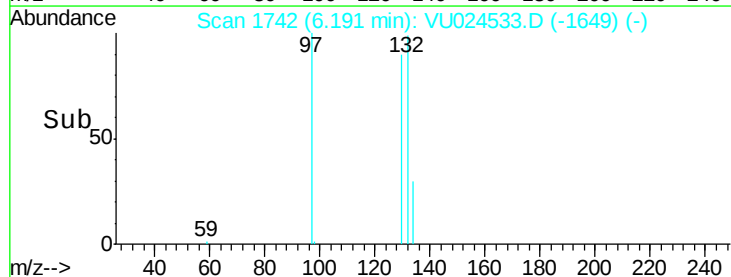
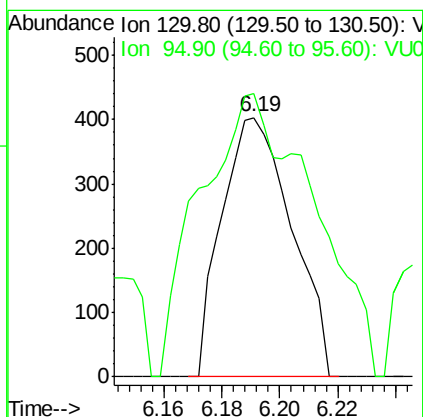
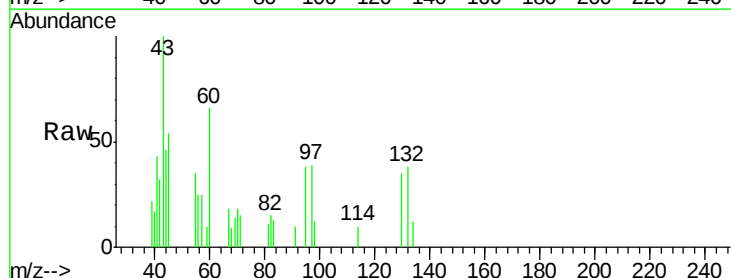
Instrument :
MSVOA_U
ClientSampleId :

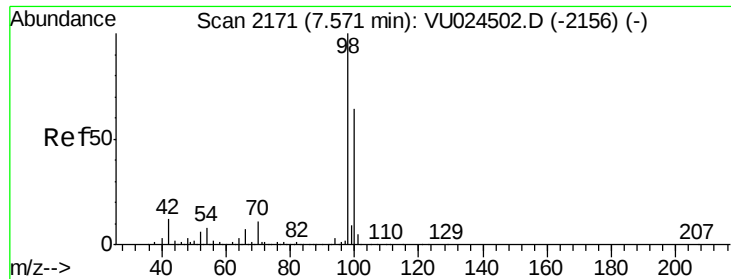
Tot Ion: 43 Resp: 25701
Ion Ratio Lower Upper
43 100
61 0.6 15.4 23.0#
87 0.0 10.0 15.0#



#44
Trichloroethene
Concen: 0.235 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

Tgt Ion: 130 Resp: 676
Ion Ratio Lower Upper
130 100
95 65.3 0.0 202.4





#50

Toluene-d8

Concen: 48.556 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024533.D

Acq: 14 Jun 2018 12:38

Instrument :

MSVOA_U

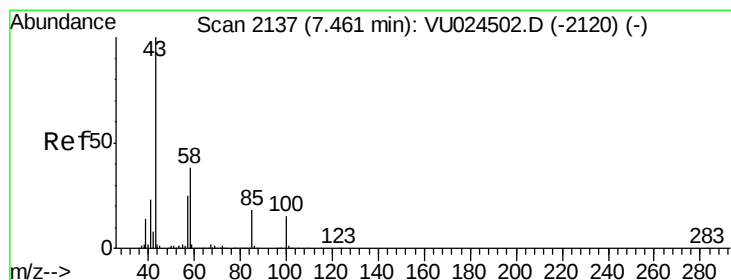
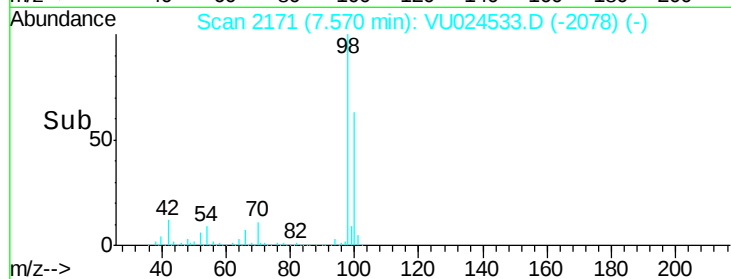
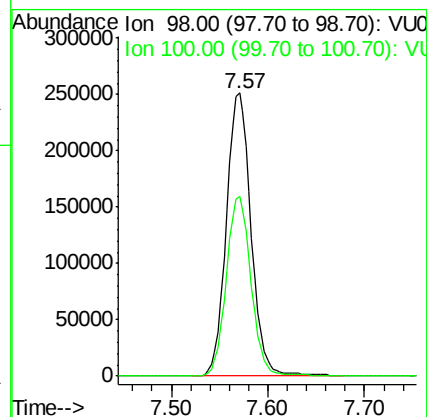
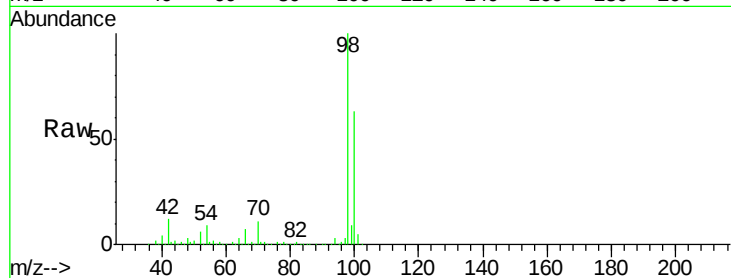
ClientSampleId :

Tot Ion: 98 Resp: 444331

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.519 ug/l

RT: 7.47 min Scan# 2140

Delta R.T. 0.01 min

Lab File: VU024533.D

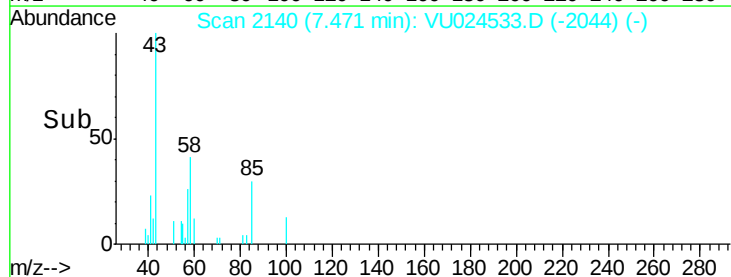
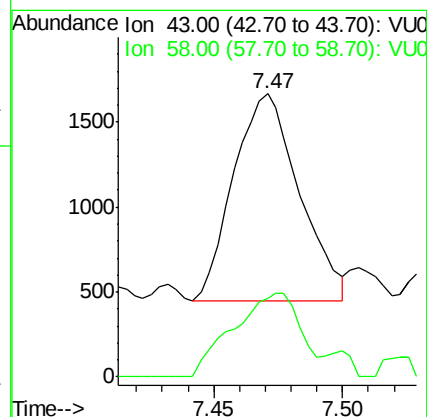
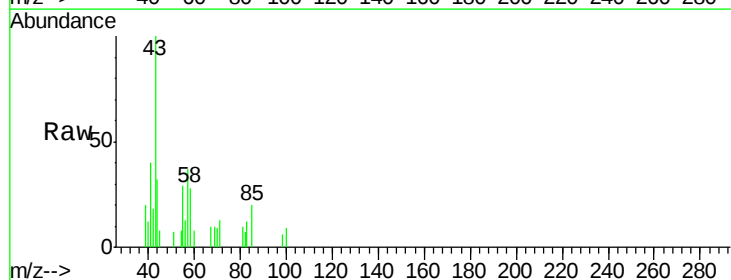
Acq: 14 Jun 2018 12:38

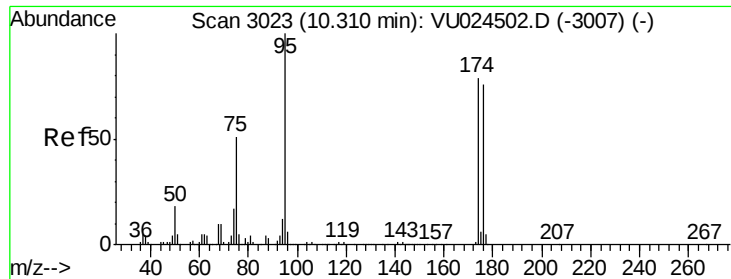
Tgt Ion: 43 Resp: 2181

Ion Ratio Lower Upper

43 100

58 41.9 30.0 45.0

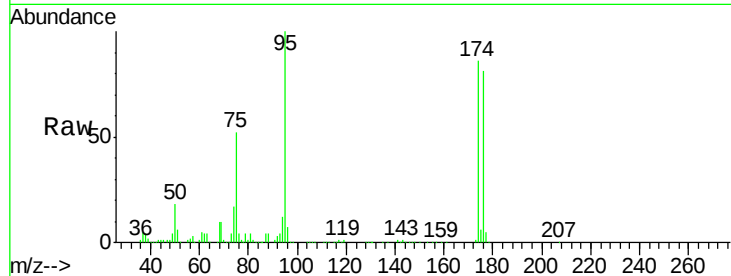




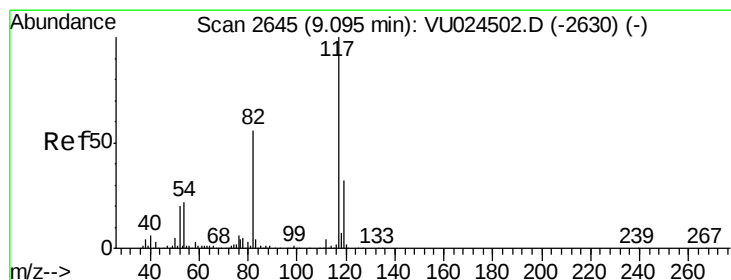
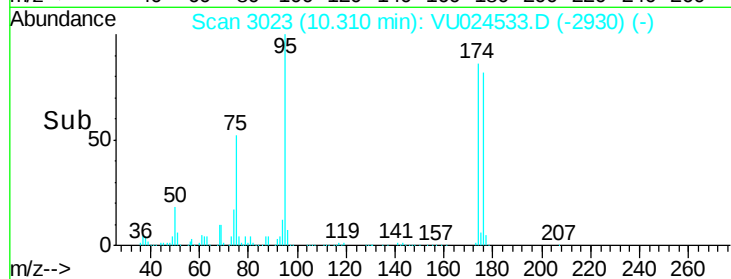
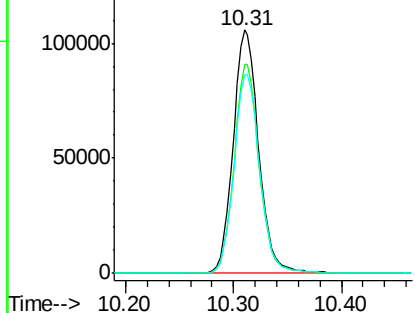
#62
4-Bromofluorobenzene
Concen: 48.044 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 95 Resp: 174558
Ion Ratio Lower Upper
95 100
174 84.5 0.0 165.8
176 82.4 0.0 159.4

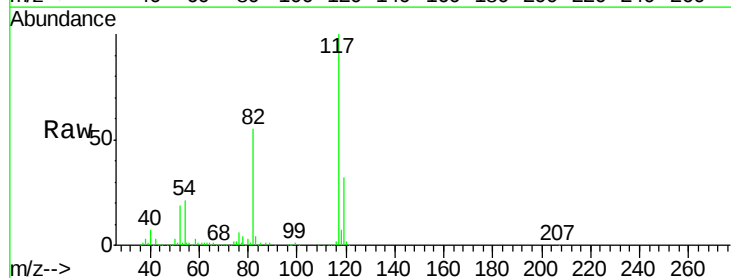


Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)
Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)
Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)

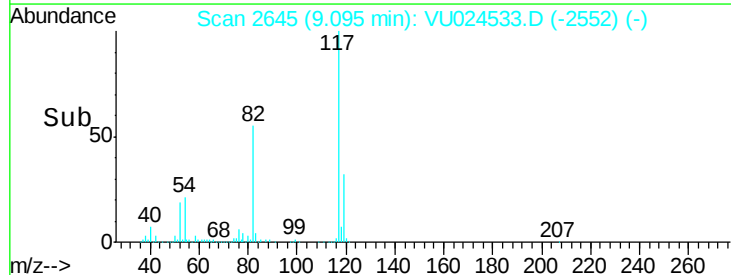
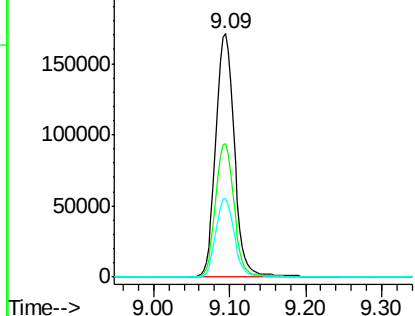


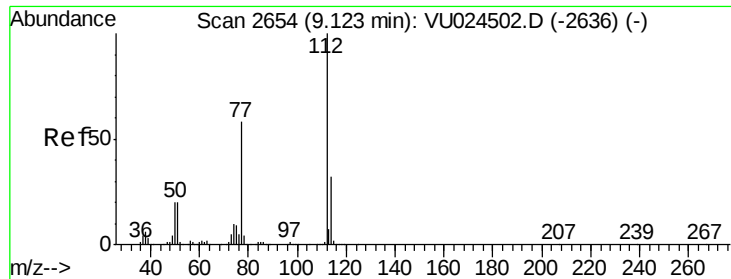
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

Tgt Ion: 117 Resp: 290513
Ion Ratio Lower Upper
117 100
82 54.7 44.3 66.5
119 32.3 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)
Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)
Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)





#65

Chlorobenzene

Concen: 0.322 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU024533.D

Acq: 14 Jun 2018 12:38

Instrument :

MSVOA_U

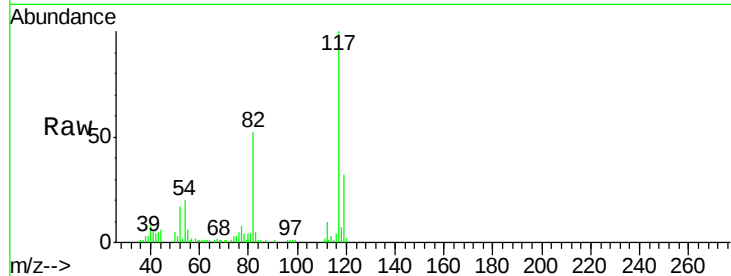
ClientSampled :

Tot Ion:112 Resp: 2390

Ion Ratio Lower Upper

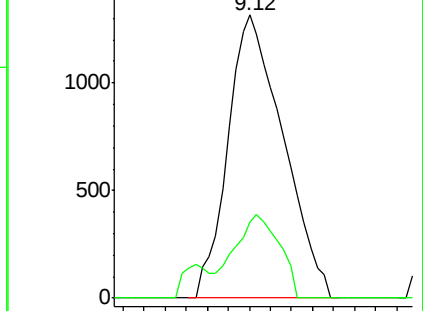
112 100

114 26.9 25.6 38.4

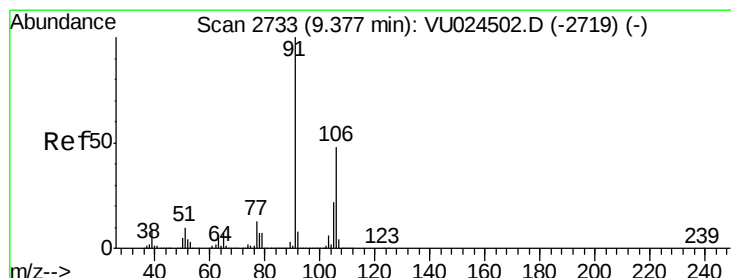
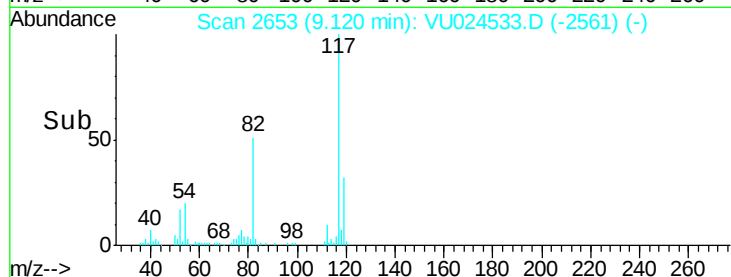


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#68

m/p-Xylenes

Concen: 0.248 ug/l

RT: 9.38 min Scan# 2735

Delta R.T. 0.01 min

Lab File: VU024533.D

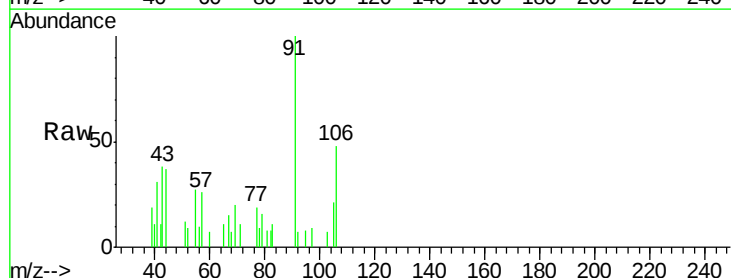
Acq: 14 Jun 2018 12:38

Tgt Ion:106 Resp: 1240

Ion Ratio Lower Upper

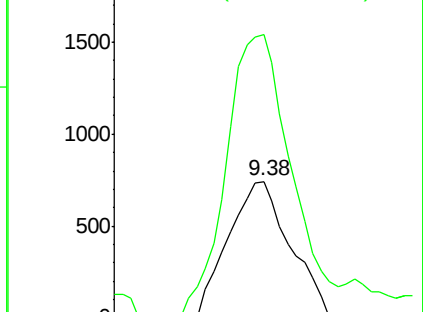
106 100

91 220.1 166.5 249.7

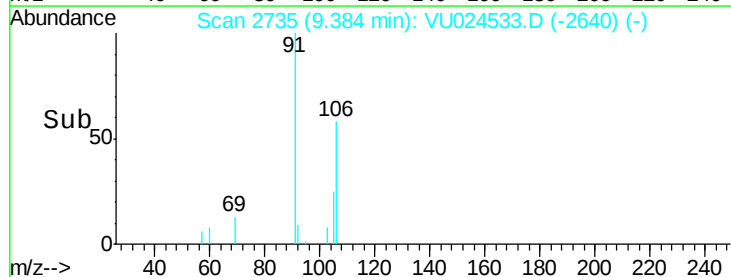


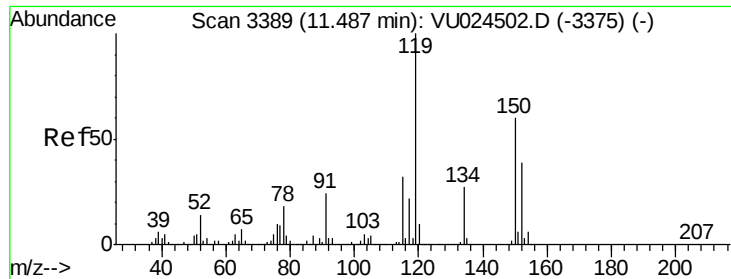
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



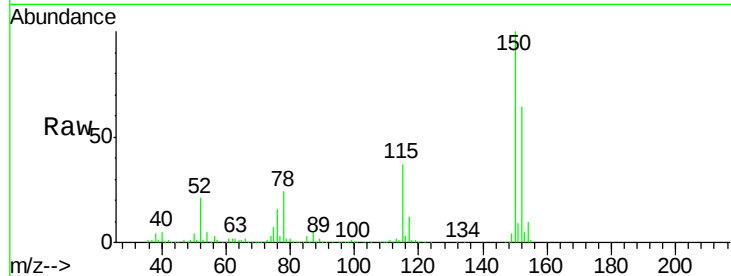


#72

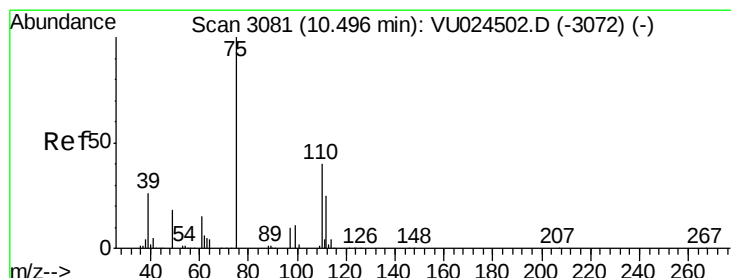
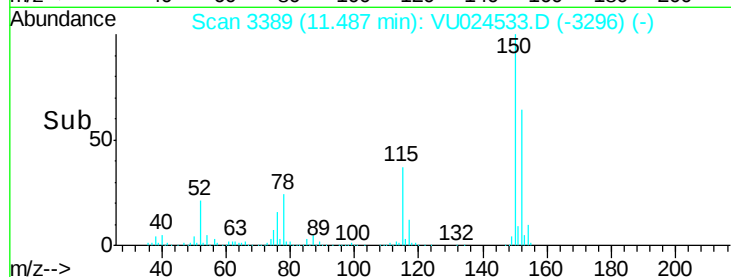
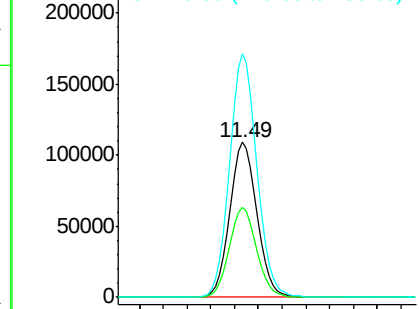
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:152 Resp: 173228
Ion Ratio Lower Upper
152 100
115 58.0 43.0 129.0
150 156.9 0.0 354.0



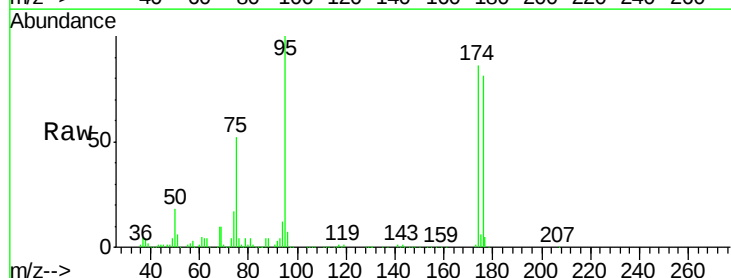
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



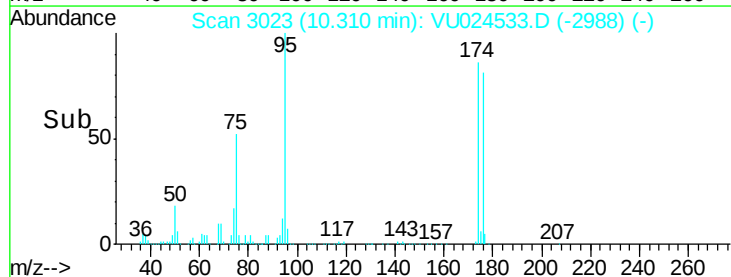
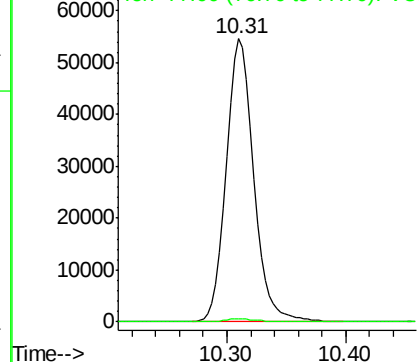
#76

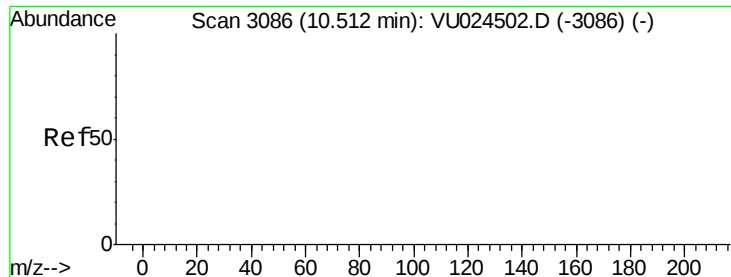
1,2,3-Trichloropropane
Concen: 22.918 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.19 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

Tgt Ion: 75 Resp: 87405
Ion Ratio Lower Upper
75 100
77 1.3 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0

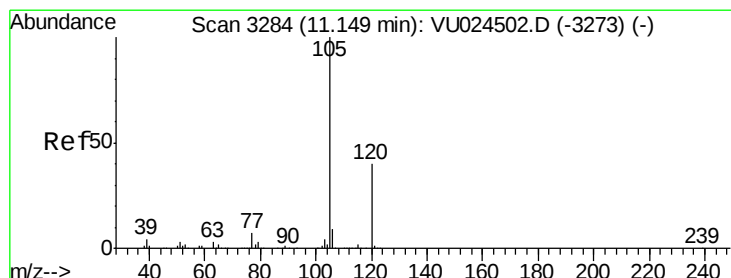
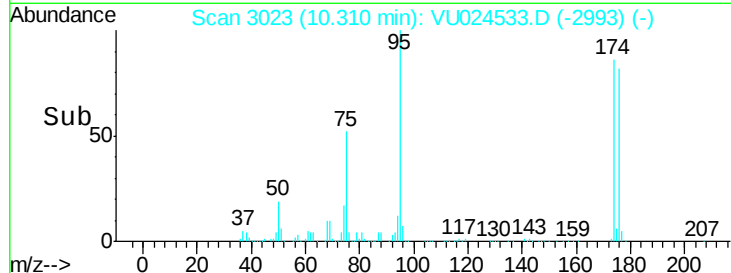
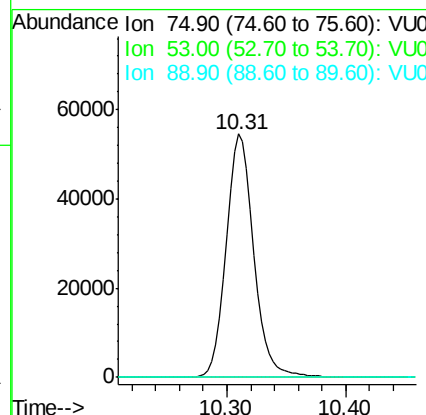
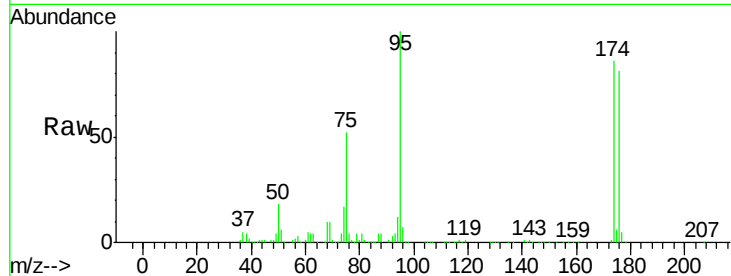




#81
trans-1,4-Dichloro-2-butene
Concen: 53.041 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

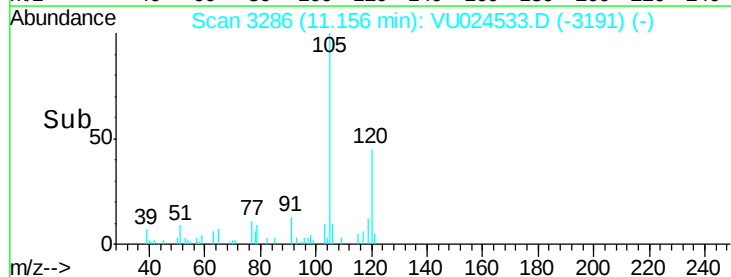
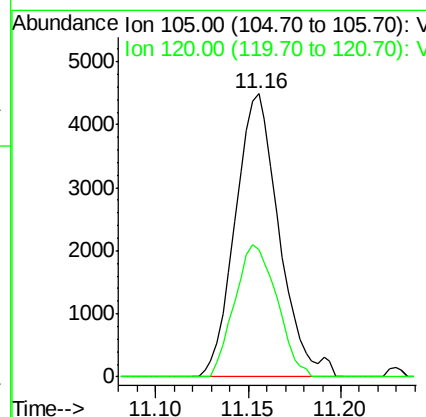
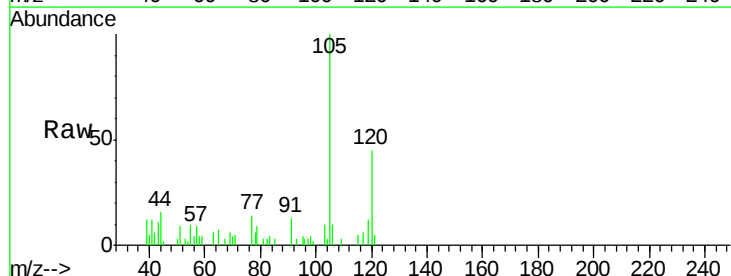
Instrument :
MSVOA_U
ClientSampled :

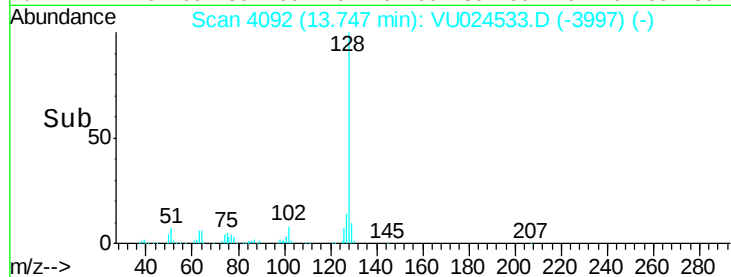
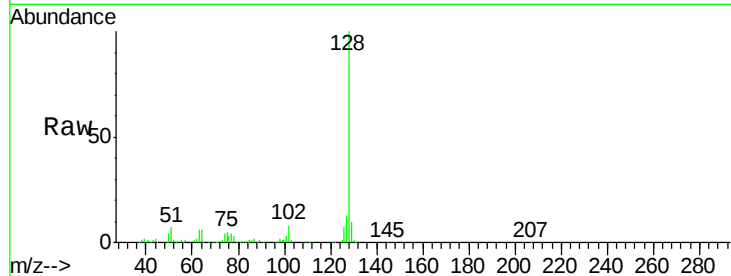
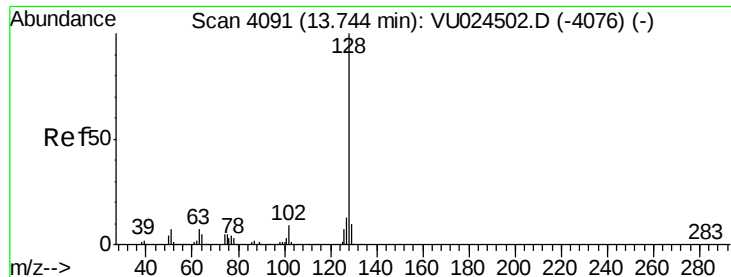
Tot Ion: 75 Resp: 87405
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0#
89 0.0 0.0 0.0



#84
1,2,4-Trimethylbenzene
Concen: 0.628 ug/l
RT: 11.16 min Scan# 3286
Delta R.T. 0.01 min
Lab File: VU024533.D
Acq: 14 Jun 2018 12:38

Tgt Ion:105 Resp: 7376
Ion Ratio Lower Upper
105 100
120 44.9 22.6 67.8





#95

Naphthalene

Concen: 8.276 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024533.D

Acq: 14 Jun 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 98101

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 10.7 8.6 12.8

