

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025225.D
 Acq On : 05 Jul 2018 19:05
 Operator : MD/SY
 Sample : J3840-18
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 06 05:16:51 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	207640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	314640	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153782	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	157722	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
35) Dibromofluoromethane	4.89	113	122675	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	
50) Toluene-d8	7.57	98	445402	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
62) 4-Bromofluorobenzene	10.31	95	167477	44.29	ug/l	0.00
Spiked Amount			Recovery	=	88.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1286	0.48	ug/l	95
4) Vinyl Chloride	1.40	62	2920	1.07	ug/l	90
5) Bromomethane	1.64	94	562	0.42	ug/l	97
6) Chloroethane	1.69	64	135	Below Cal	#	43
11) Tert butyl alcohol	2.83	59	2601	3.15	ug/l	# 72
16) Acetone	2.32	43	11152	6.12	ug/l	97
18) Methyl Acetate	2.62	43	19103	4.89	ug/l	99
20) Methylene Chloride	2.71	84	21079	7.38	ug/l	95
25) 2-Butanone	4.27	43	7079	2.89	ug/l	# 90
27) cis-1,2-Dichloroethene	4.23	96	22682	7.58	ug/l	92
28) Bromochloromethane	4.67	49	632	0.29	ug/l	# 16
29) Tetrahydrofuran	4.64	42	390	0.26	ug/l	# 74
30) Chloroform	4.68	83	6599	1.30	ug/l	96
31) Cyclohexane	4.98	56	4146	Below Cal	#	13
36) 1,1-Dichloropropene	4.99	75	15428	4.17	ug/l	# 51
37) Ethyl Acetate	4.27	43	7079	1.76	ug/l	# 70
38) Carbon Tetrachloride	4.99	117	20063	4.93	ug/l	# 15
43) Isopropyl Acetate	5.81	43	61224	8.79	ug/l	# 62
44) Trichloroethene	6.19	130	21461	7.16	ug/l	97
47) Bromodichloromethane	6.76	83	1964	0.50	ug/l	92
51) 4-Methyl-2-Pentanone	7.47	43	1177	0.27	ug/l	# 59
52) Toluene	7.65	92	2189	0.32	ug/l	94
59) 2-Hexanone	8.38	43	2034	0.57	ug/l	96
65) Chlorobenzene	9.12	112	2378	0.32	ug/l	97
67) Ethyl Benzene	9.26	91	8788	0.68	ug/l	# 80
68) m/p-Xylenes	9.38	106	11225	2.26	ug/l	98
69) o-Xylene	9.78	106	3154	0.64	ug/l	90
76) 1,2,3-Trichloropropane	10.31	75	87241	25.77	ug/l	# 35
80) 1,3,5-Trimethylbenzene	10.78	105	3787	0.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.31	75	87241	59.64	ug/l	# 100
84) 1,2,4-Trimethylbenzene	11.15	105	13672	1.31	ug/l	97
95) Naphthalene	13.75	128	101434	9.53	ug/l	100

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QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

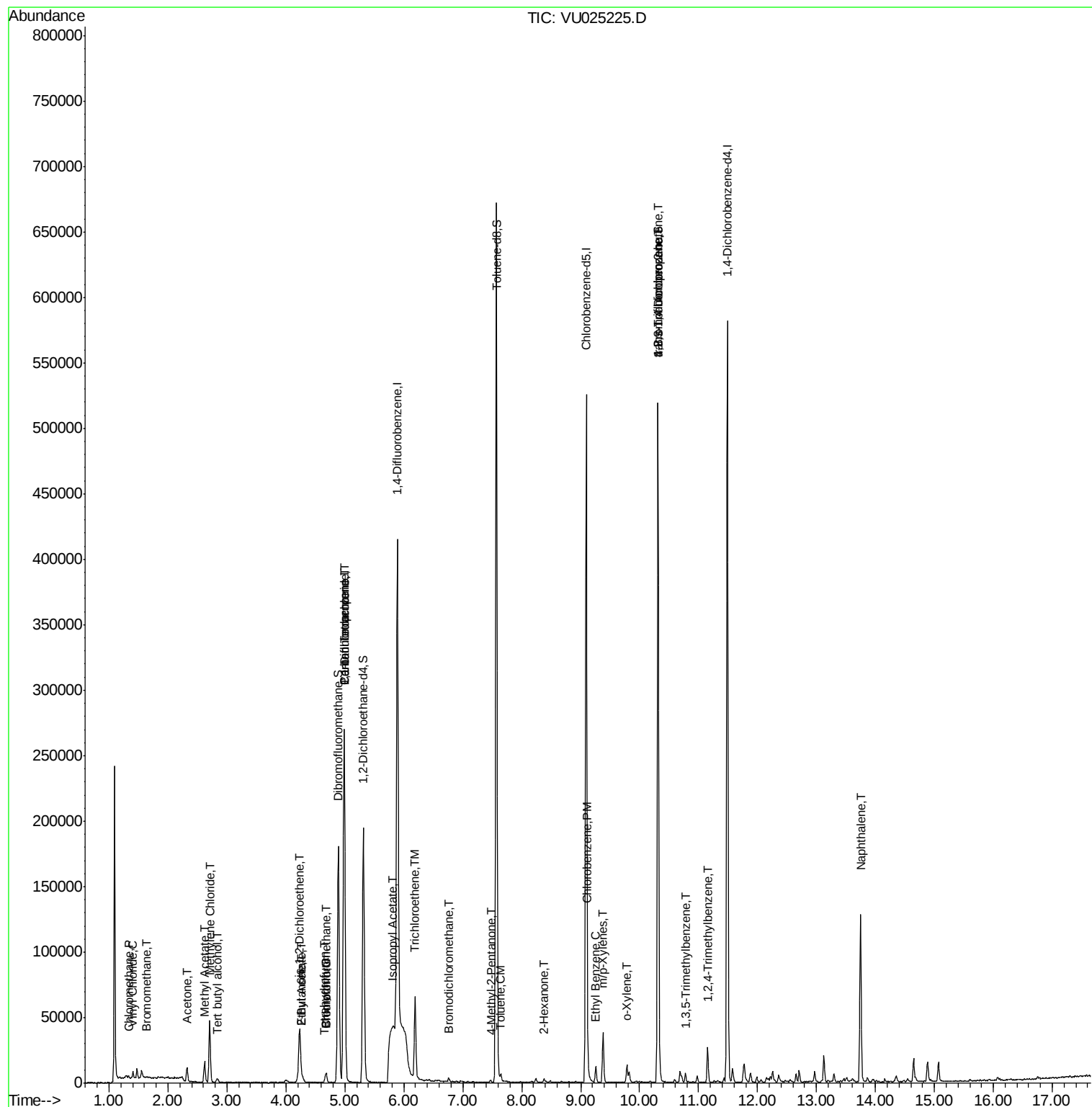
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

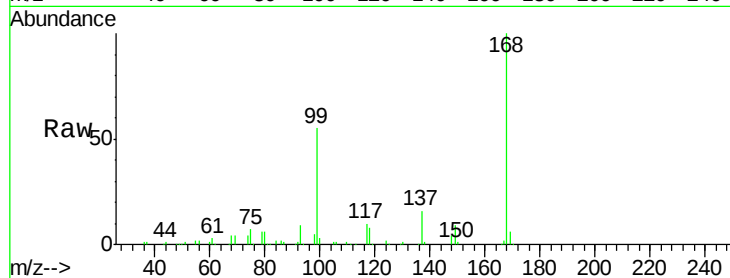
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 207640

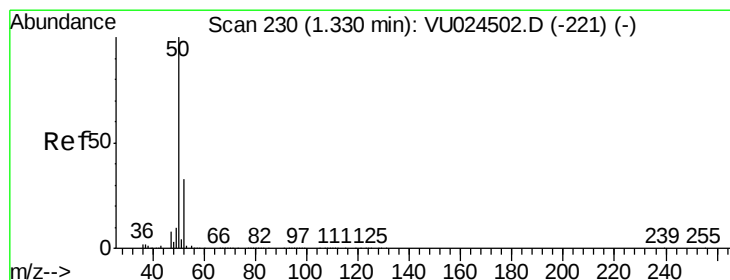
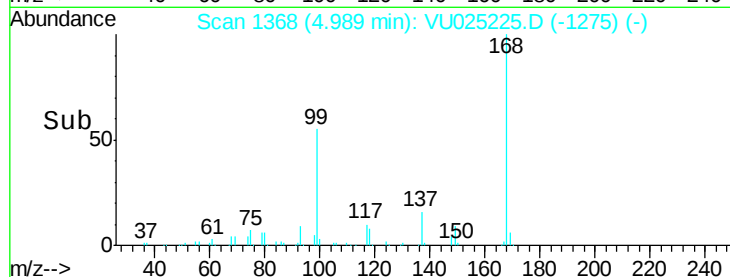
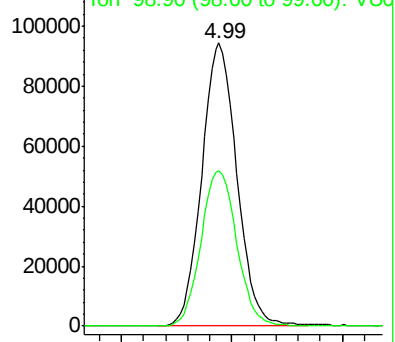
Ion Ratio Lower Upper

168 100

99 54.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.48 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025225.D

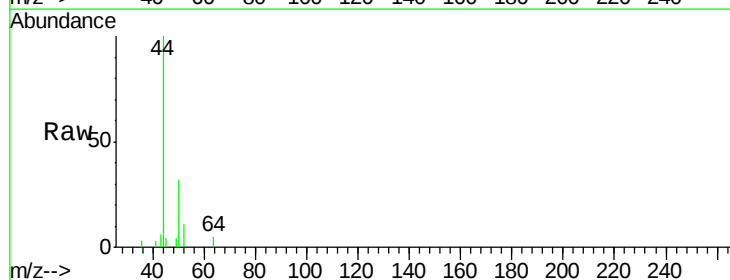
Acq: 05 Jul 2018 19:05

Tgt Ion: 50 Resp: 1286

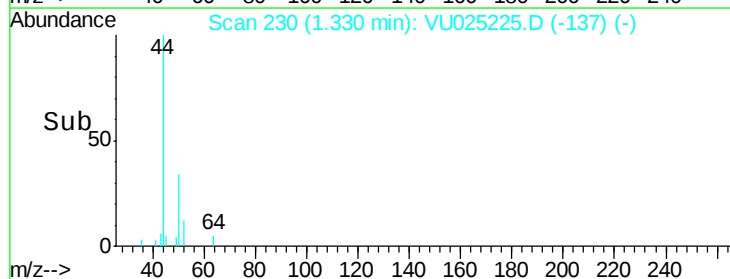
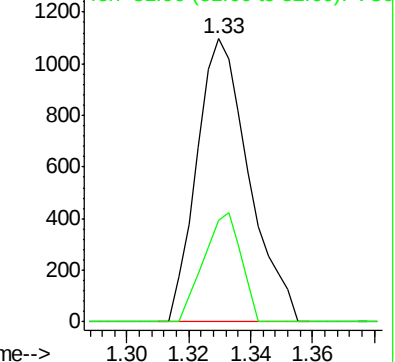
Ion Ratio Lower Upper

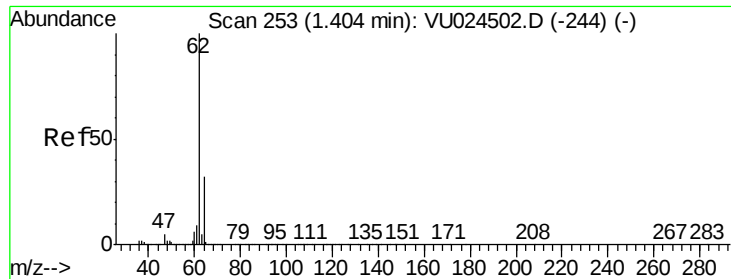
50 100

52 35.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)





#4

Vinyl Chloride

Concen: 1.07 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

Instrument :

MSVOA_U

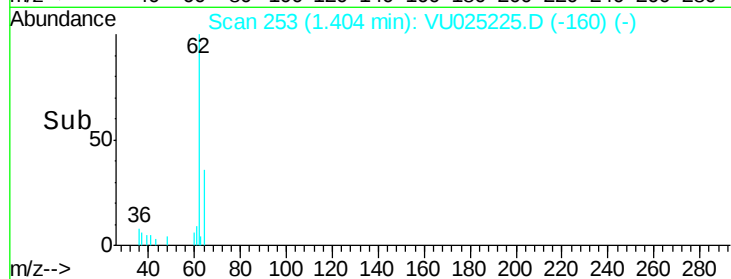
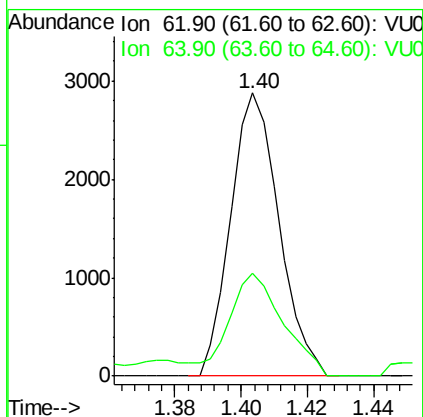
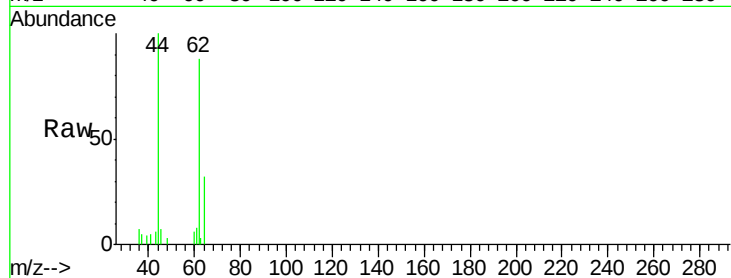
ClientSampleId :

Tot Ion: 62 Resp: 2920

Ion Ratio Lower Upper

62 100

64 36.4 24.8 37.2



#5

Bromomethane

Concen: 0.42 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025225.D

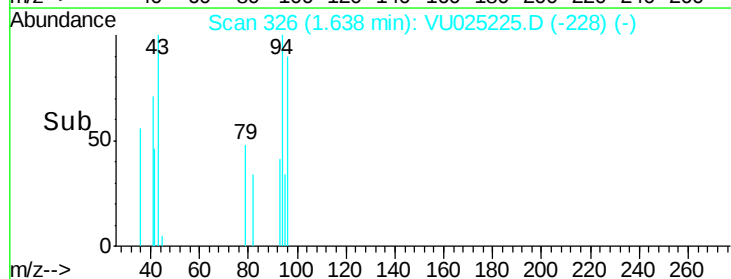
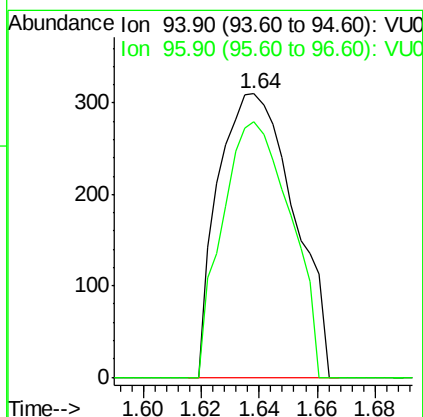
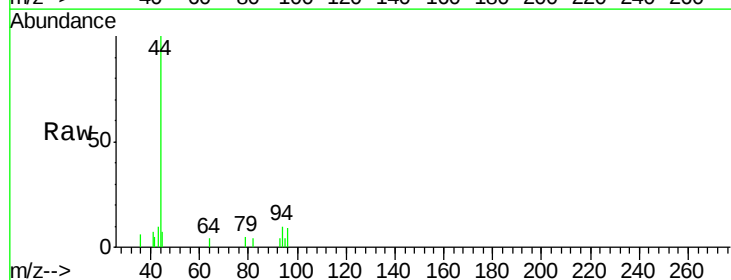
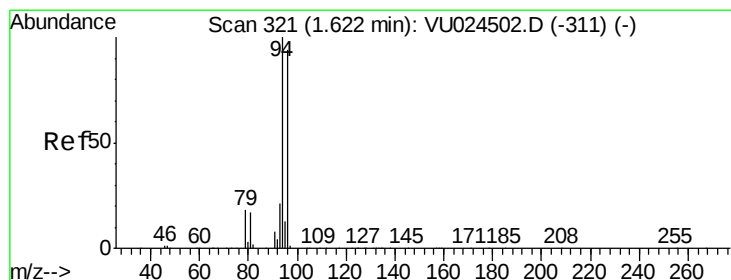
Acq: 05 Jul 2018 19:05

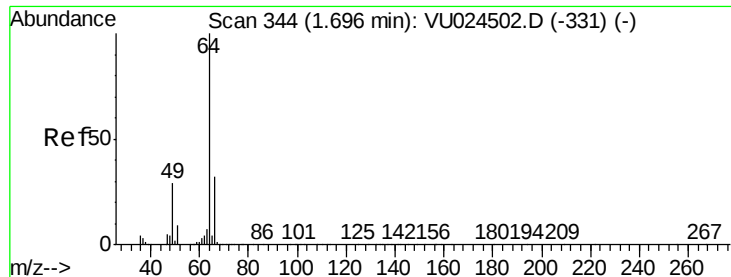
Tgt Ion: 94 Resp: 562

Ion Ratio Lower Upper

94 100

96 90.3 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

Instrument :

MSVOA_U

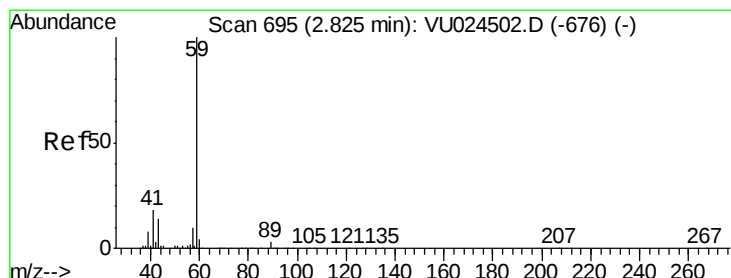
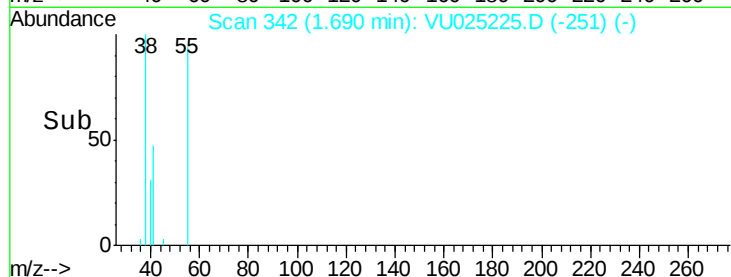
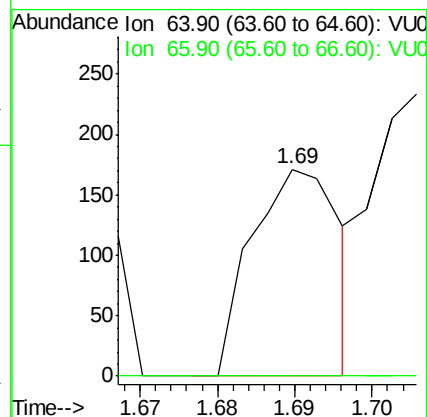
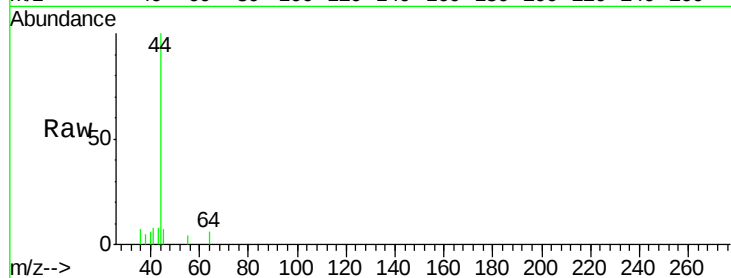
ClientSampleId :

Tot Ion: 64 Resp: 135

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#11

Tert butyl alcohol

Concen: 3.15 ug/l

RT: 2.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VU025225.D

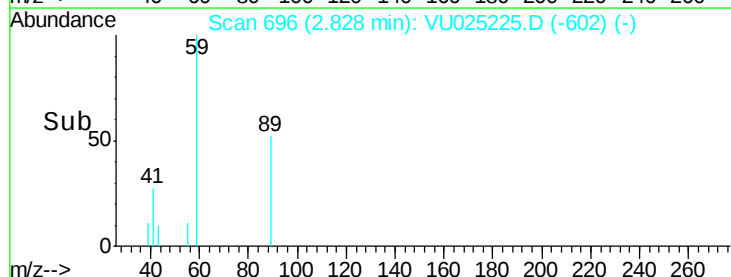
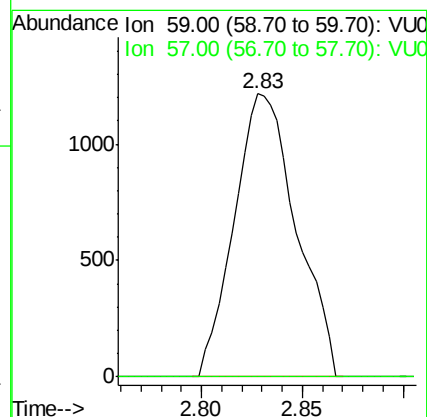
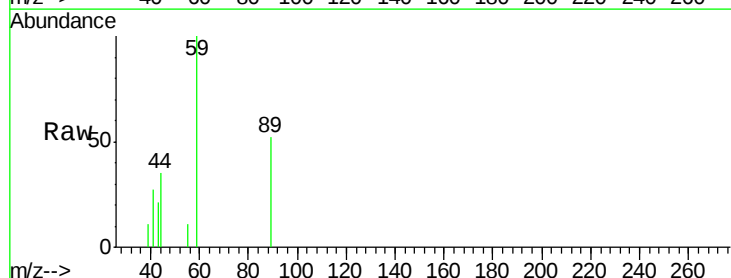
Acq: 05 Jul 2018 19:05

Tgt Ion: 59 Resp: 2601

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#16

Acetone

Concen: 6.12 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

Instrument :

MSVOA_U

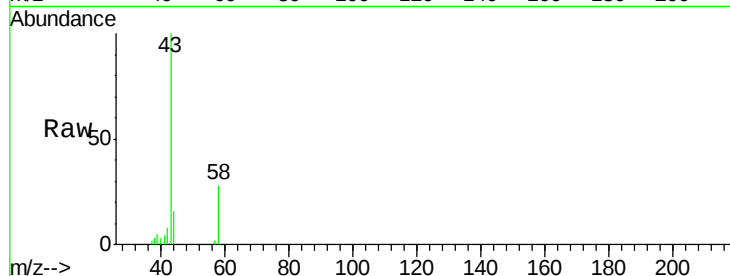
ClientSampleId :

Tot Ion: 43 Resp: 11152

Ion Ratio Lower Upper

43 100

58 28.9 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

8000

6000

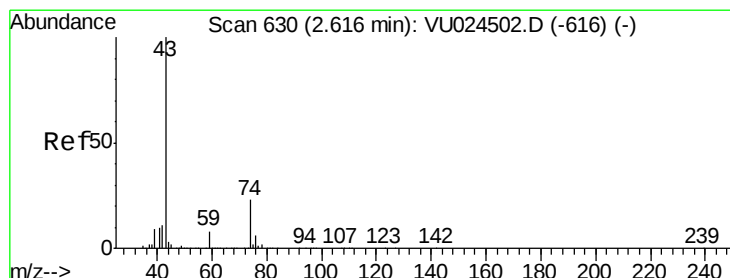
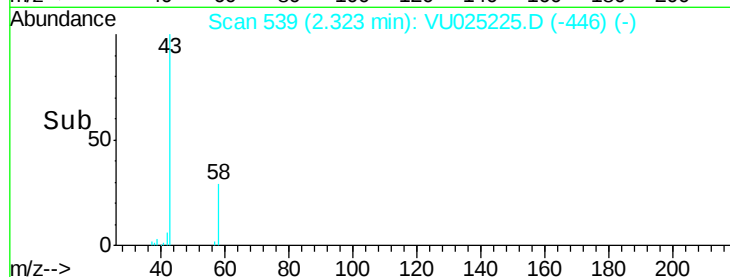
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#18

Methyl Acetate

Concen: 4.89 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025225.D

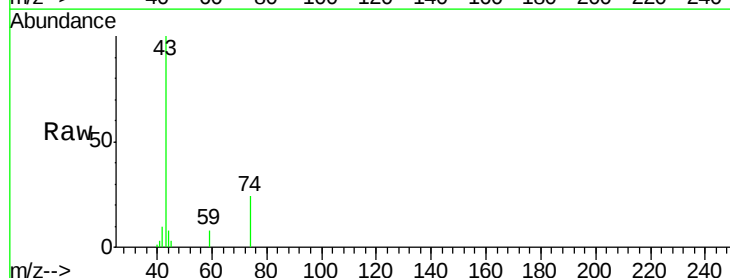
Acq: 05 Jul 2018 19:05

Tgt Ion: 43 Resp: 19103

Ion Ratio Lower Upper

43 100

74 22.2 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

12000

10000

8000

6000

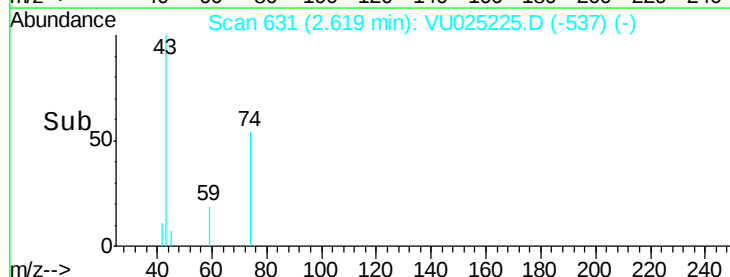
4000

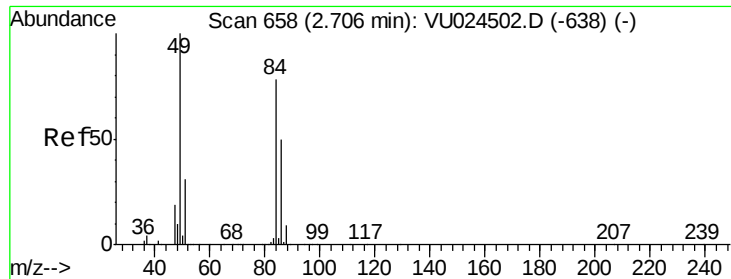
2000

0

Time-->

2.55 2.60 2.65 2.70

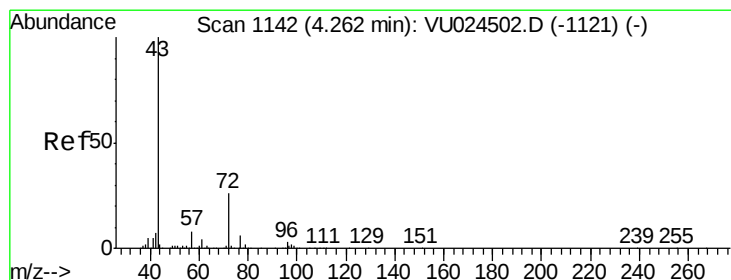
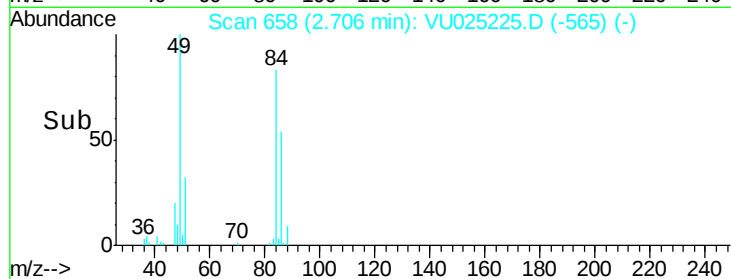
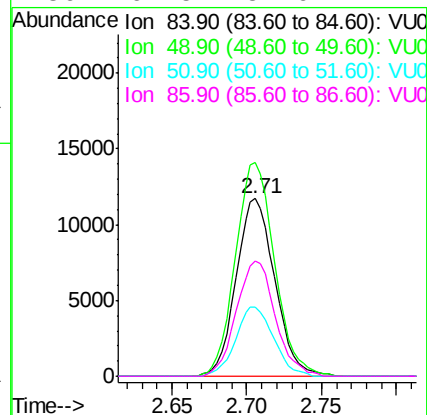
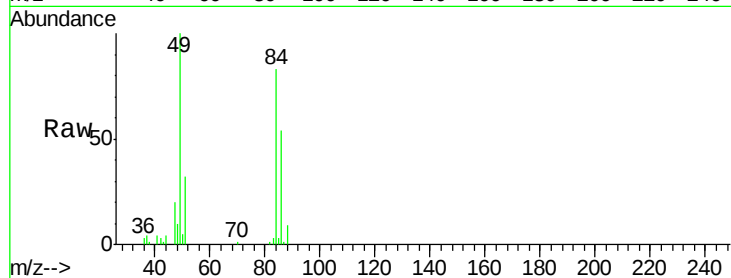




#20
Methvlene Chloride
Concen: 7.38 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU025225.D
Acq: 05 Jul 2018 19:05

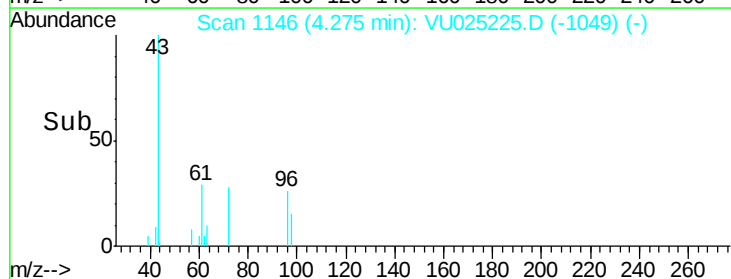
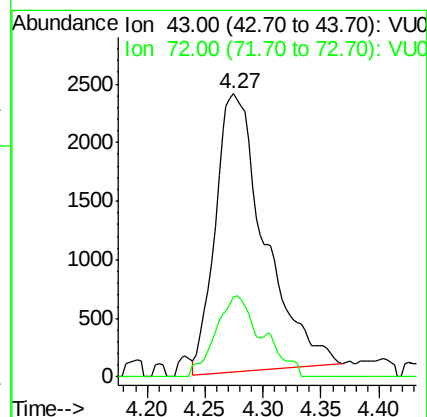
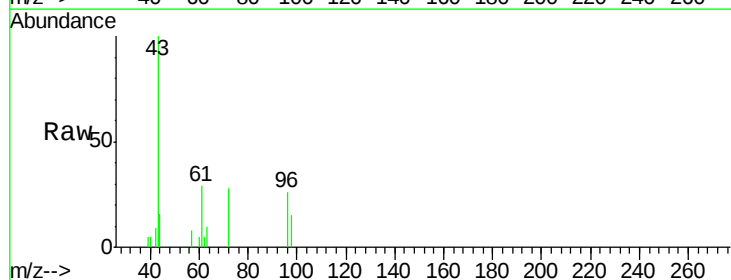
Instrument :
MSVOA_U
ClientSampleId :

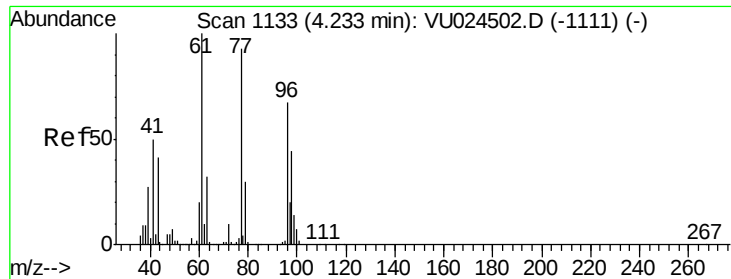
Tot Ion: 84 Resp: 21079
Ion Ratio Lower Upper
84 100
49 120.2 103.8 155.8
51 39.0 32.0 48.0
86 64.5 51.6 77.4



#25
2-Butanone
Concen: 2.89 ug/l
RT: 4.27 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VU025225.D
Acq: 05 Jul 2018 19:05

Tgt Ion: 43 Resp: 7079
Ion Ratio Lower Upper
43 100
72 29.5 19.6 29.4#





#27

cis-1,2-Dichloroethene

Concen: 7.58 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

Instrument :
MSVOA_U
ClientSampleId :

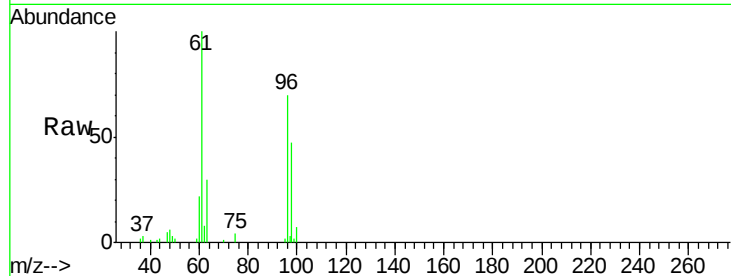
Tot Ion: 96 Resp: 22682

Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	306.6
98	66.5	0.0	128.8

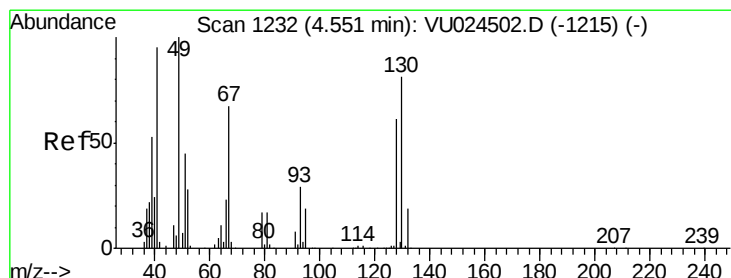
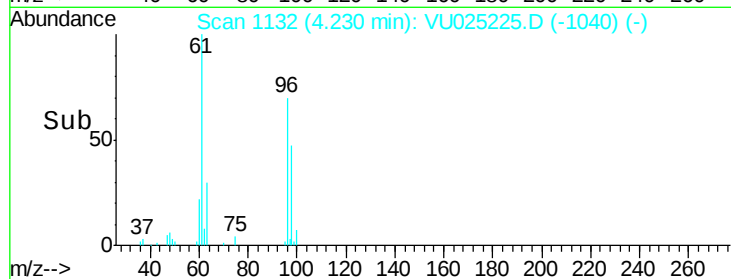
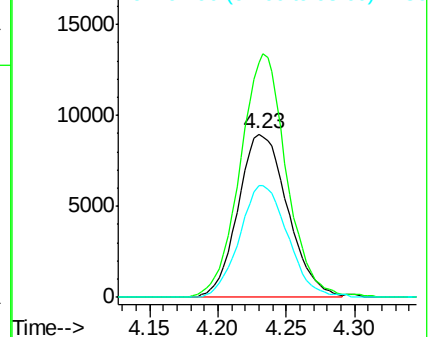
96 100

61 139.6 0.0 306.6

98 66.5 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 0.29 ug/l

RT: 4.67 min Scan# 1270

Delta R.T. 0.12 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

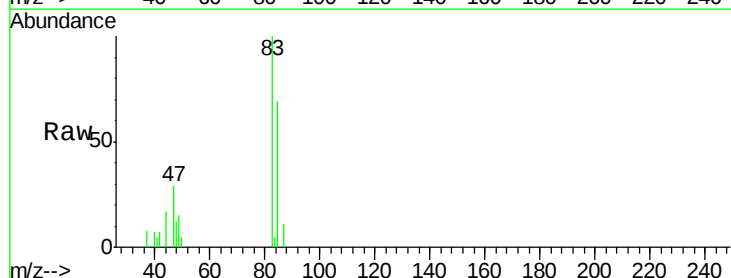
Tgt Ion: 49 Resp: 632

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	57.8	86.6#

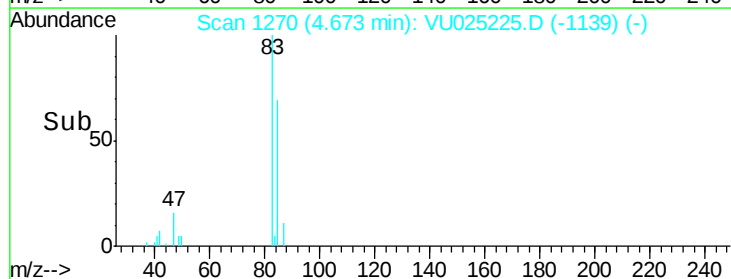
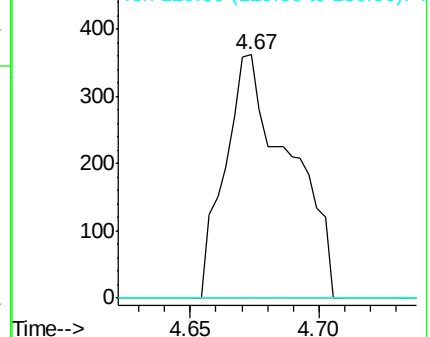
49 100

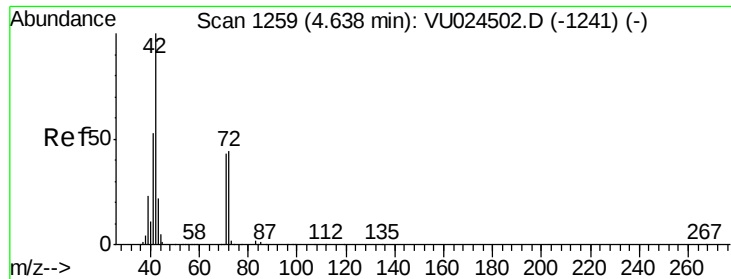
129 0.0 0.0 3.8

130 0.0 57.8 86.6#



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

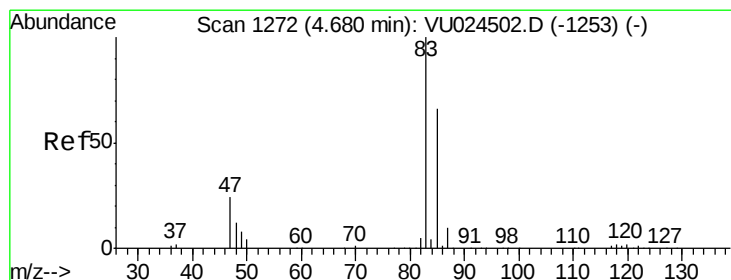
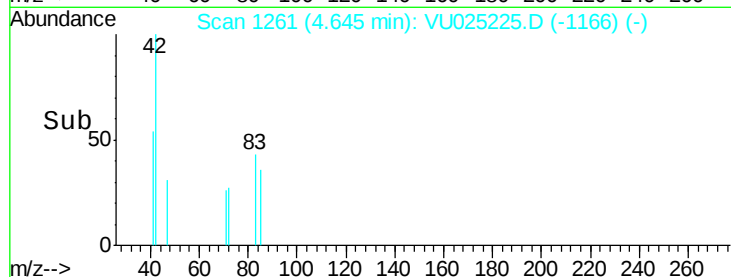
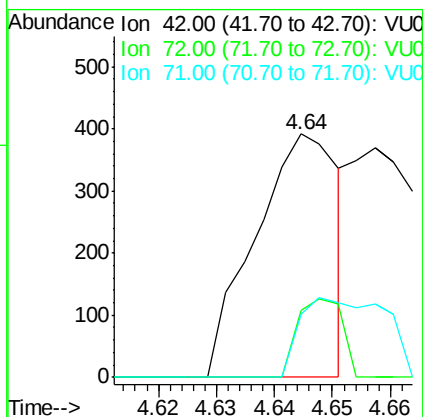
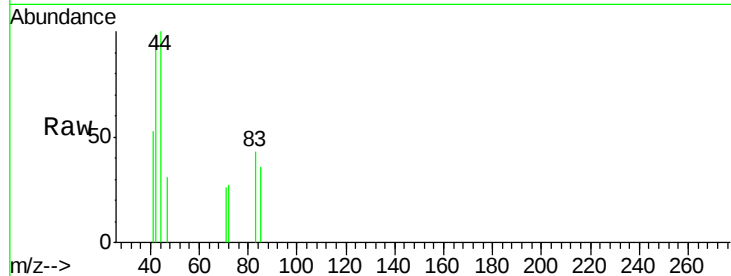




#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 4.64 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VU025225.D
Acq: 05 Jul 2018 19:05

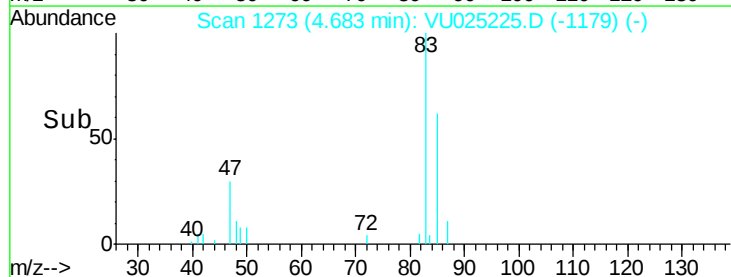
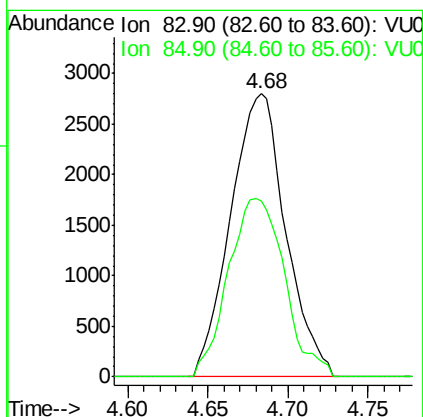
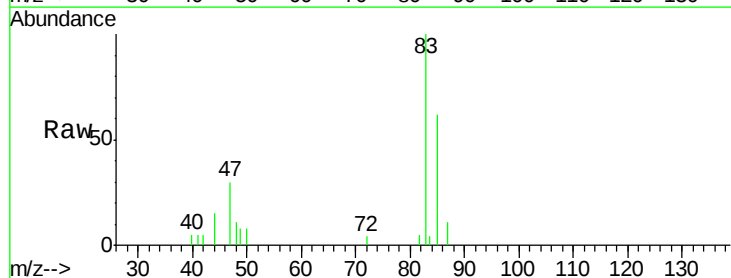
Instrument :
MSVOA_U
ClientSampleId :

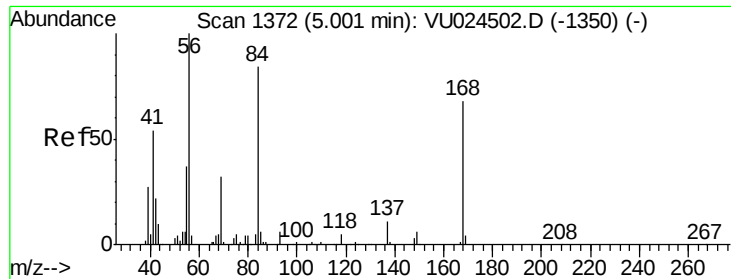
Tot Ion: 42 Resp: 390
Ion Ratio Lower Upper
42 100
72 17.4 34.5 51.7#
71 33.6 32.2 48.4



#30
Chloroform
Concen: 1.30 ug/l
RT: 4.68 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU025225.D
Acq: 05 Jul 2018 19:05

Tgt Ion: 83 Resp: 6599
Ion Ratio Lower Upper
83 100
85 62.3 52.4 78.6

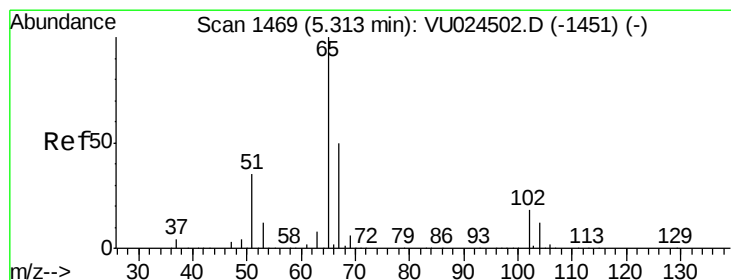
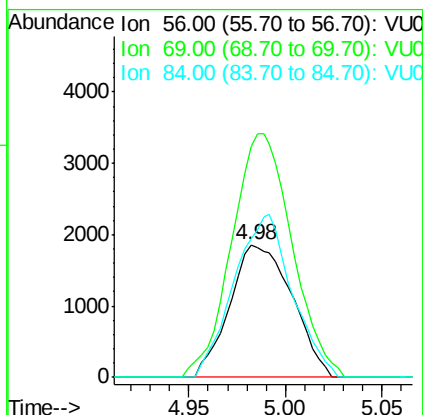
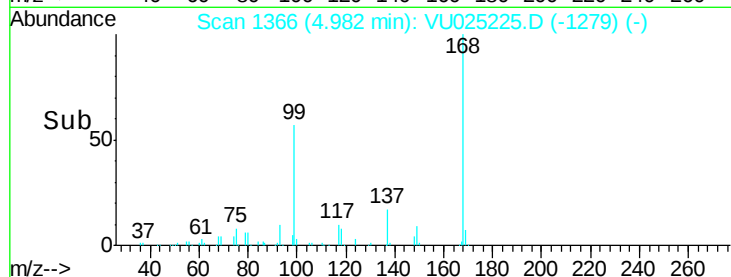
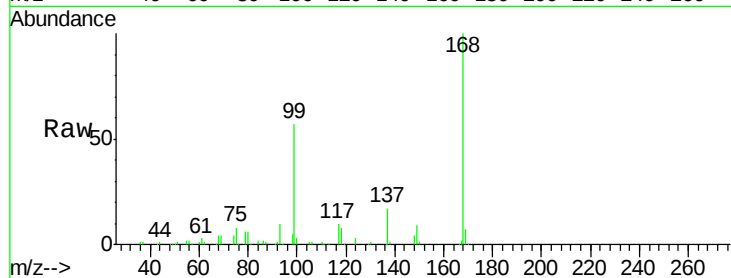




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU025225.D
Acq: 05 Jul 2018 19:05

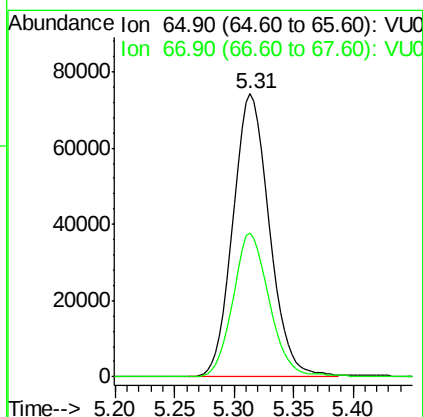
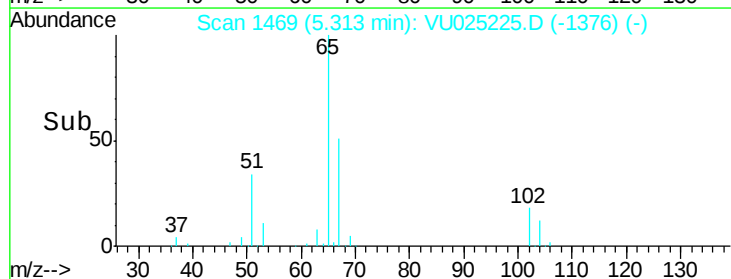
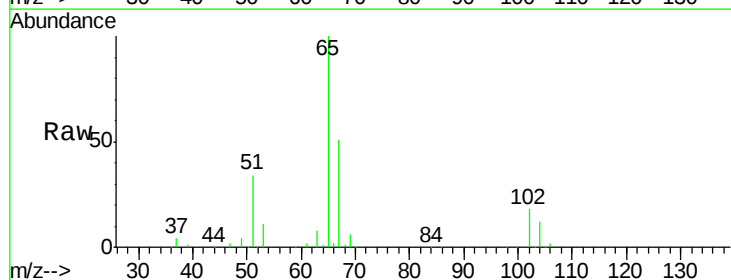
Instrument :
MSVOA_U
ClientSampleId :

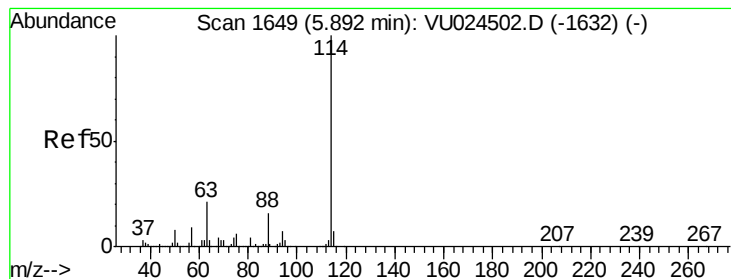
Tot Ion: 56 Resp: 4146
Ion Ratio Lower Upper
56 100
69 166.8 24.8 37.2#
84 104.4 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.53 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025225.D
Acq: 05 Jul 2018 19:05

Tgt Ion: 65 Resp: 157722
Ion Ratio Lower Upper
65 100
67 50.1 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

Instrument :

MSVOA_U

ClientSampleId :

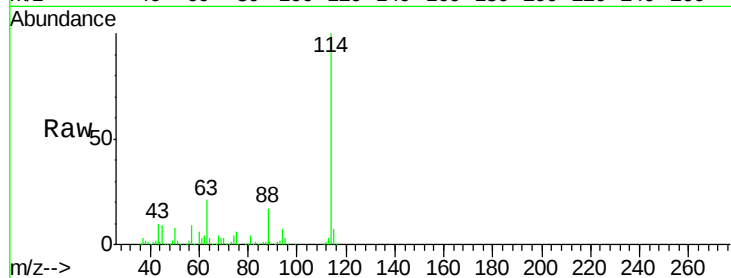
Tot Ion:114 Resp: 314640

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.4

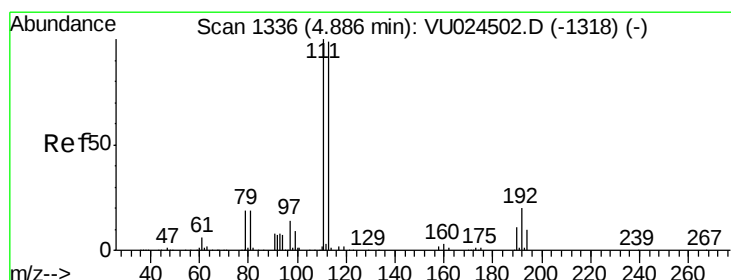
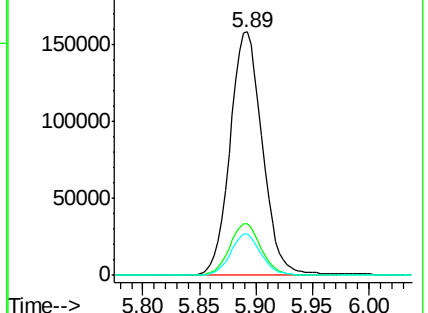
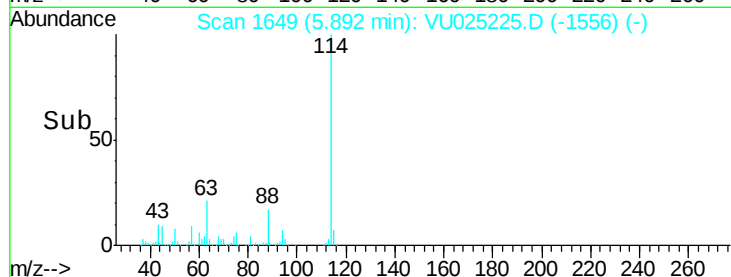
88 16.7 0.0 31.0



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



#35

Dibromofluoromethane

Concen: 46.98 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

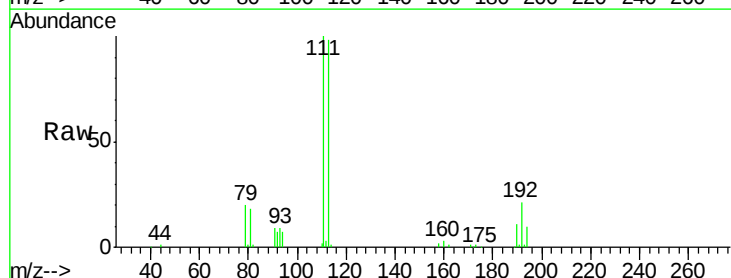
Tgt Ion:113 Resp: 122675

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

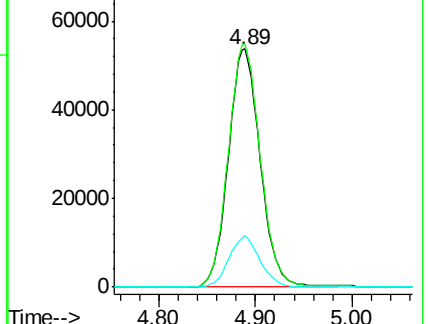
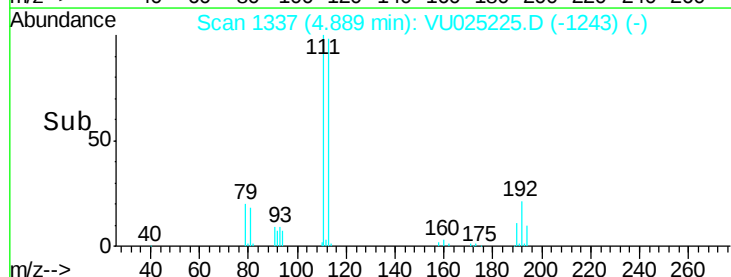
192 20.9 16.2 24.4

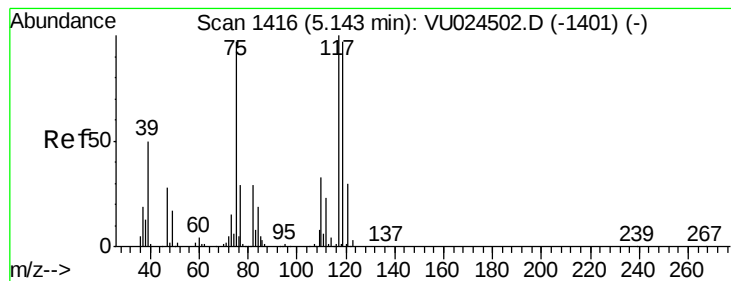


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.17 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

Instrument :

MSVOA_U

ClientSampled :

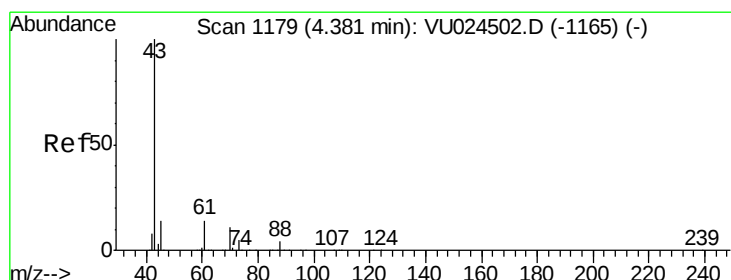
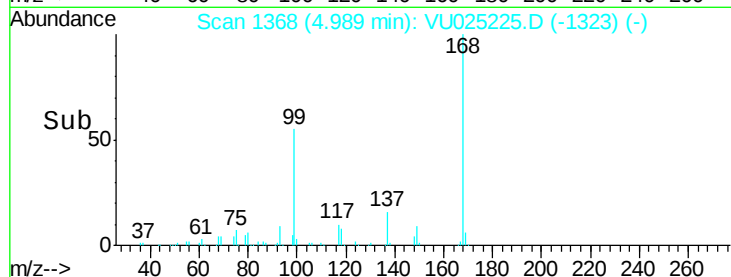
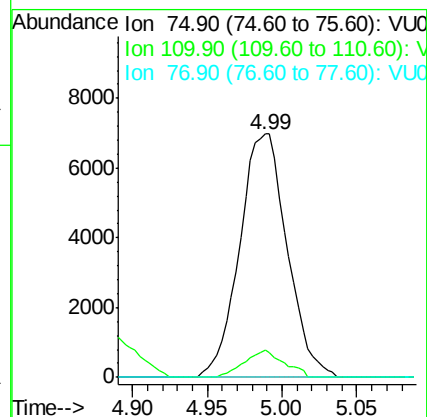
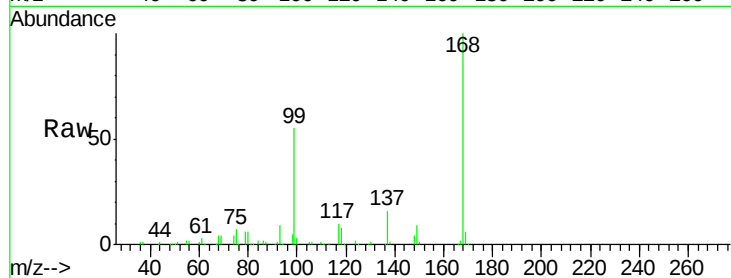
Tot Ion: 75 Resp: 15428

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

77 0.0 24.2 36.4#



#37

Ethyl Acetate

Concen: 1.76 ug/l

RT: 4.27 min Scan# 1146

Delta R.T. -0.11 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

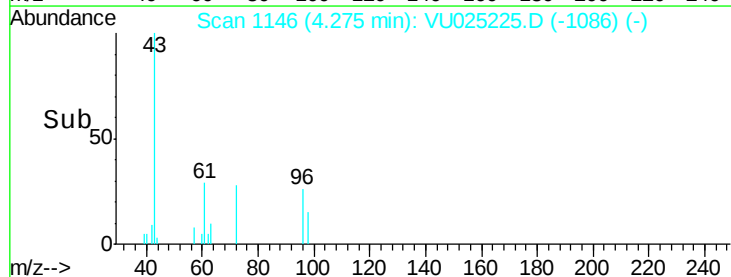
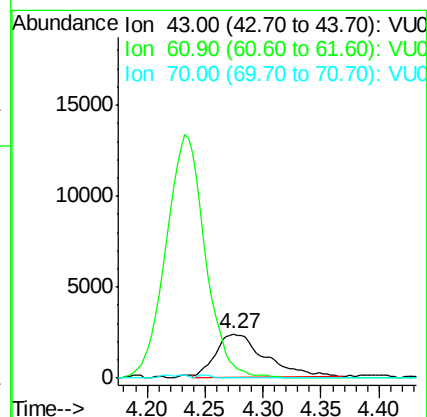
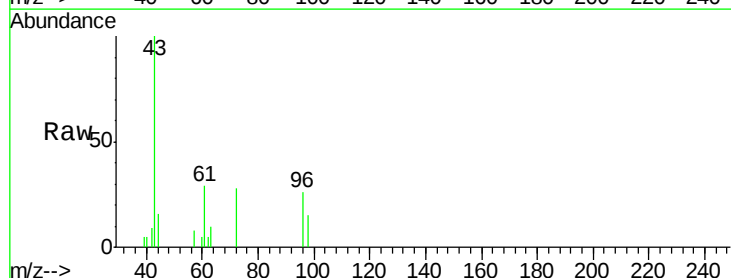
Tgt Ion: 43 Resp: 7079

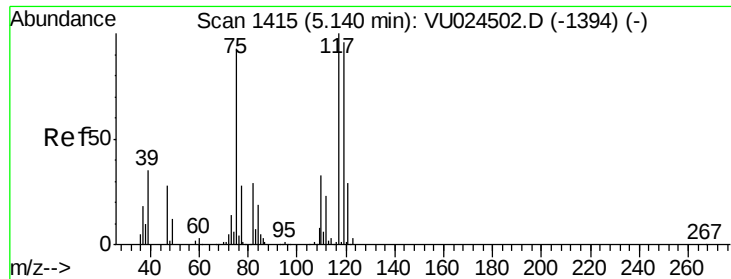
Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

70 0.0 7.4 11.2#





#38

Carbon Tetrachloride

Concen: 4.93 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

Instrument :

MSVOA_U

ClientSampleId :

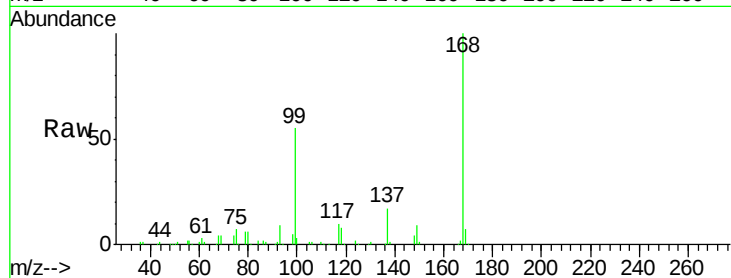
Tot Ion:117 Resp: 20063

Ion Ratio Lower Upper

117 100

119 3.5 76.1 114.1#

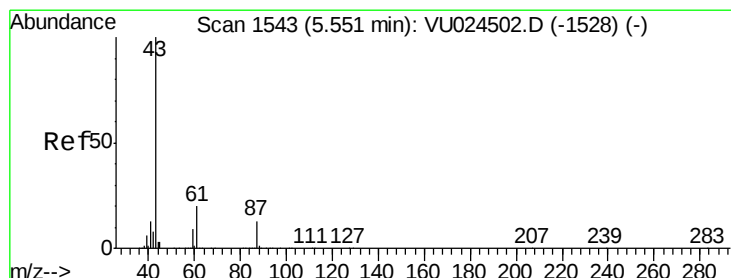
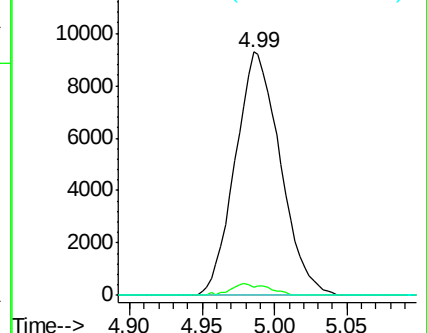
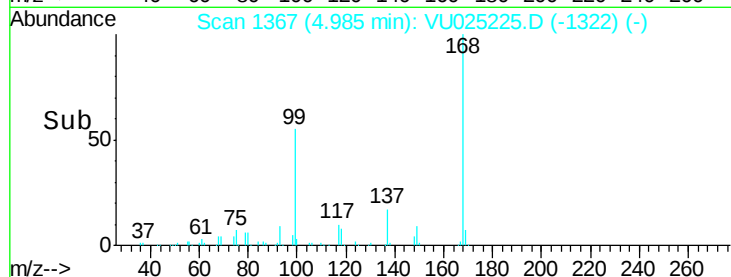
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 8.79 ug/l

RT: 5.81 min Scan# 1622

Delta R.T. 0.25 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

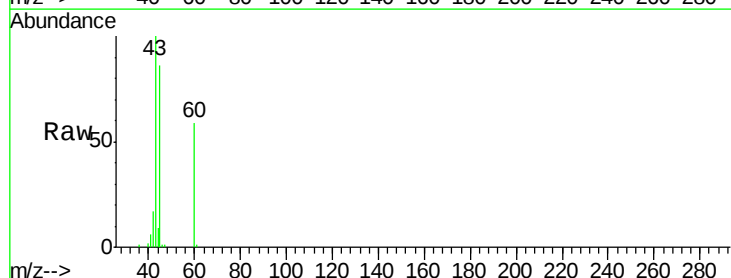
Tgt Ion: 43 Resp: 61224

Ion Ratio Lower Upper

43 100

61 0.2 15.4 23.0#

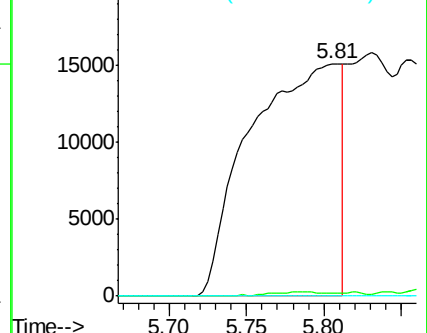
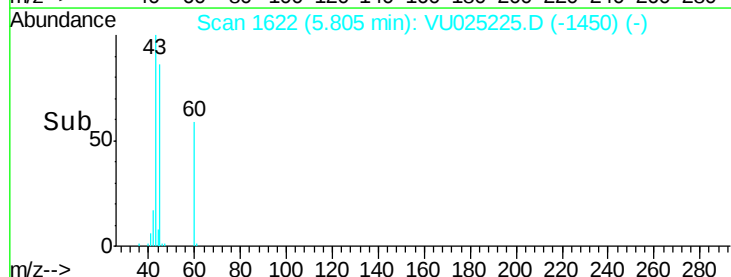
87 0.0 10.0 15.0#

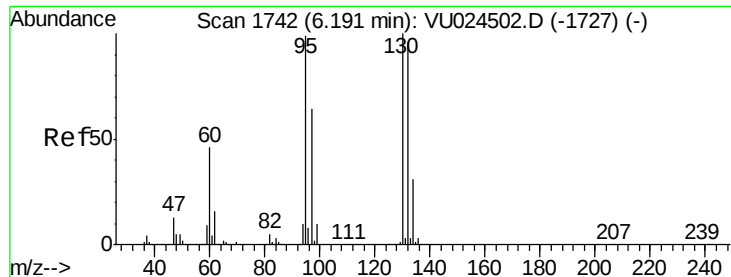


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#44

Trichloroethene

Concen: 7.16 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

Instrument :

MSVOA_U

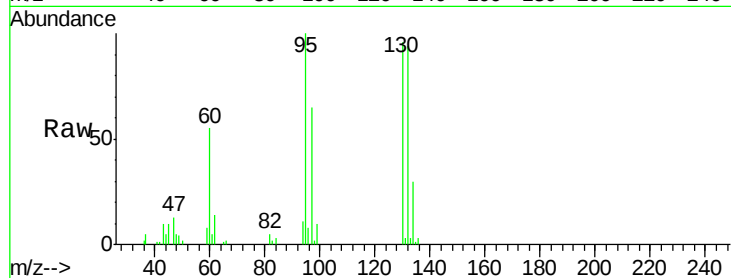
ClientSampled :

Tot Ion:130 Resp: 21461

Ion Ratio Lower Upper

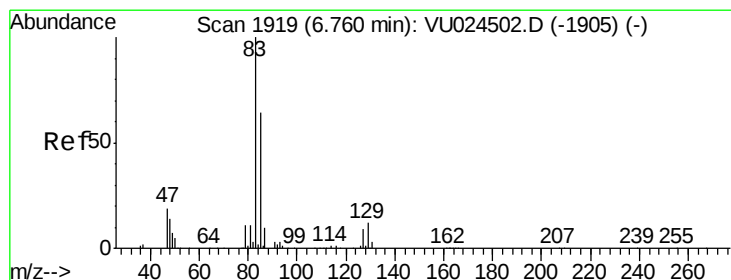
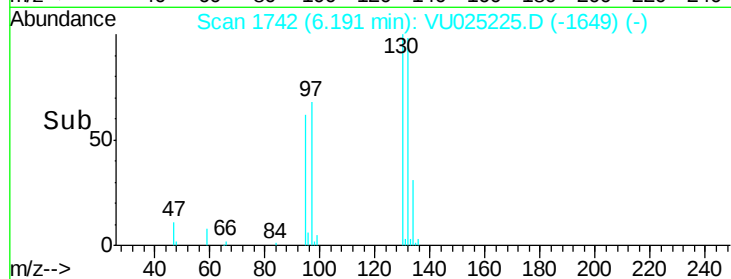
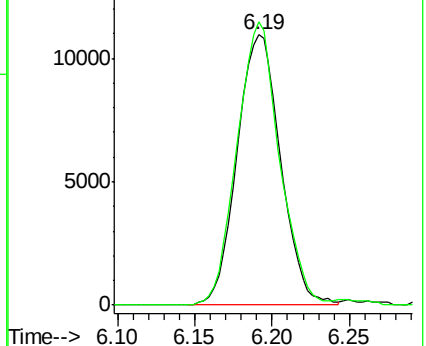
130 100

95 104.7 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#47

Bromodichloromethane

Concen: 0.50 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

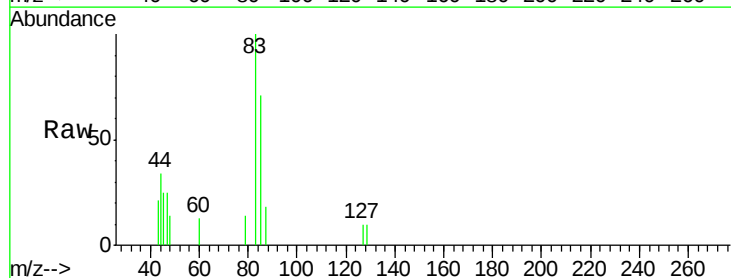
Tgt Ion: 83 Resp: 1964

Ion Ratio Lower Upper

83 100

85 71.2 51.9 77.9

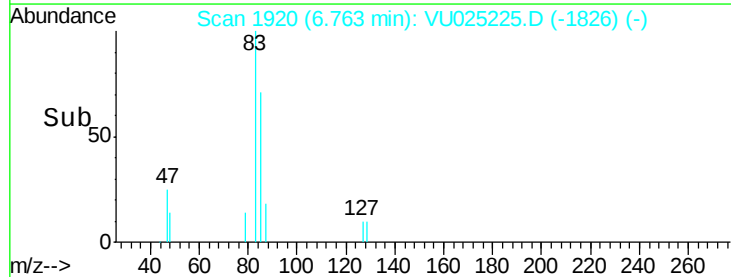
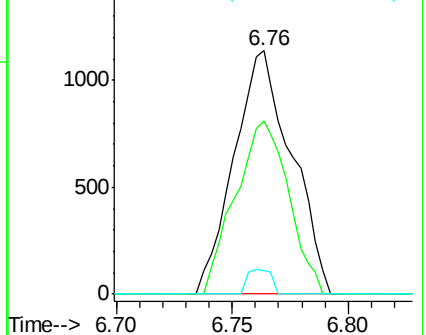
127 9.8 6.6 9.8

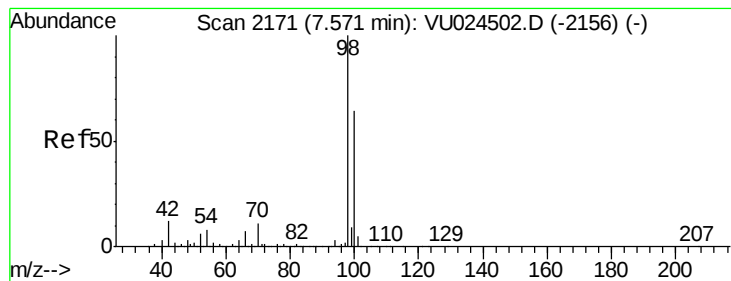


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 46.76 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

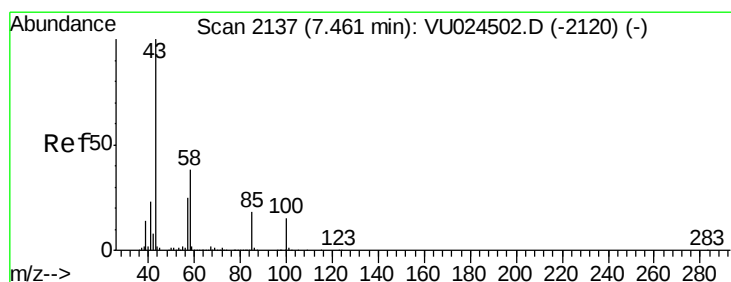
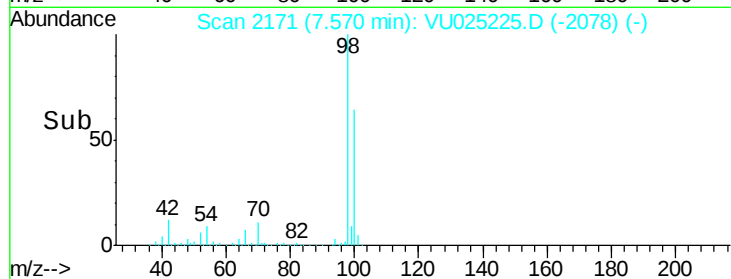
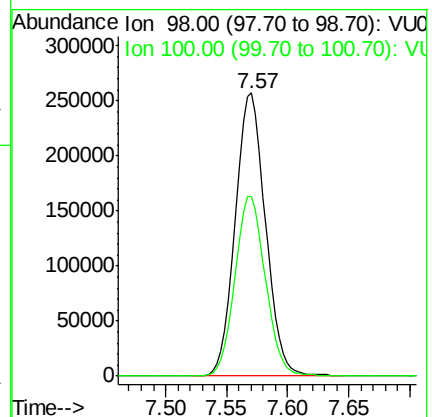
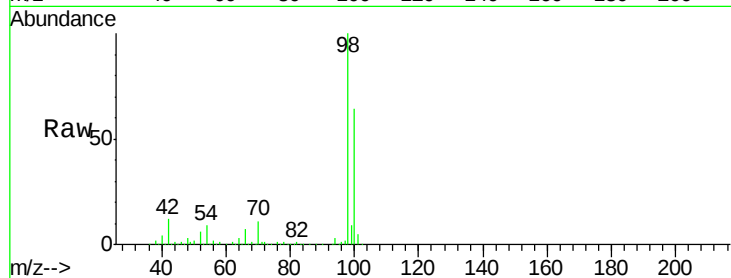
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 98 Resp: 445402

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.27 ug/l

RT: 7.47 min Scan# 2139

Delta R.T. 0.01 min

Lab File: VU025225.D

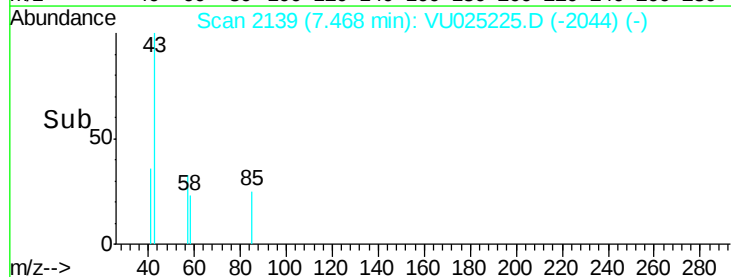
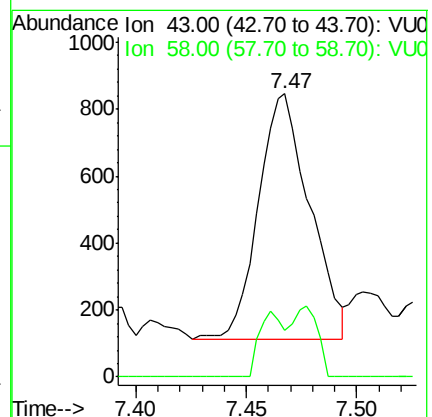
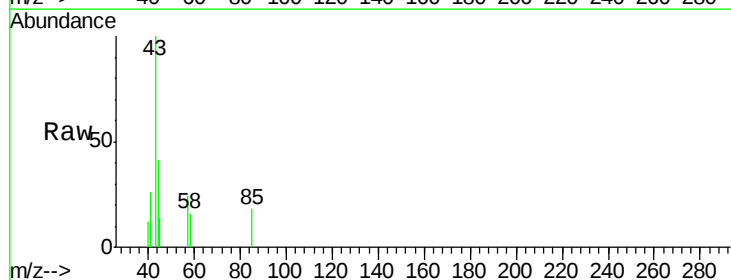
Acq: 05 Jul 2018 19:05

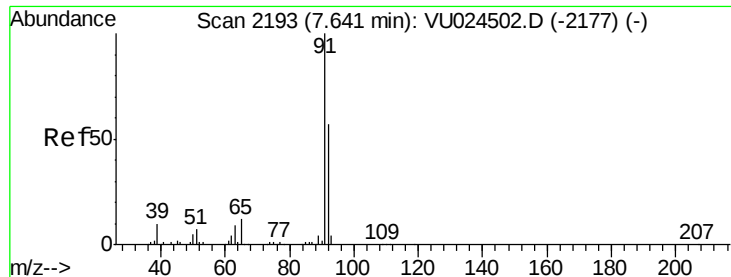
Tgt Ion: 43 Resp: 1177

Ion Ratio Lower Upper

43 100

58 12.8 30.0 45.0#





#52

Toluene

Concen: 0.32 ug/l

RT: 7.65 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

Instrument :

MSVOA_U

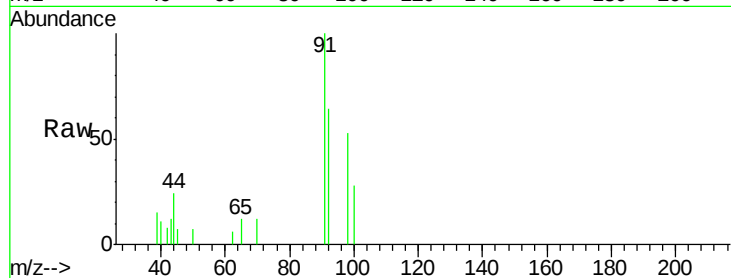
ClientSampled :

Tot Ion: 92 Resp: 2189

Ion Ratio Lower Upper

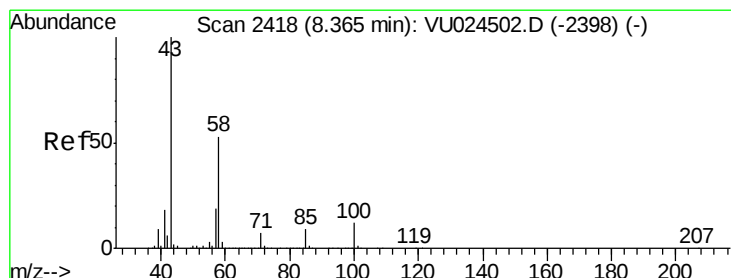
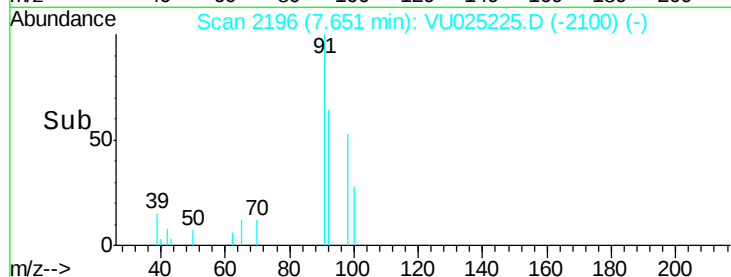
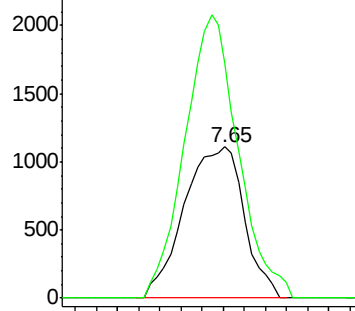
92 100

91 166.9 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#59

2-Hexanone

Concen: 0.57 ug/l

RT: 8.38 min Scan# 2422

Delta R.T. 0.01 min

Lab File: VU025225.D

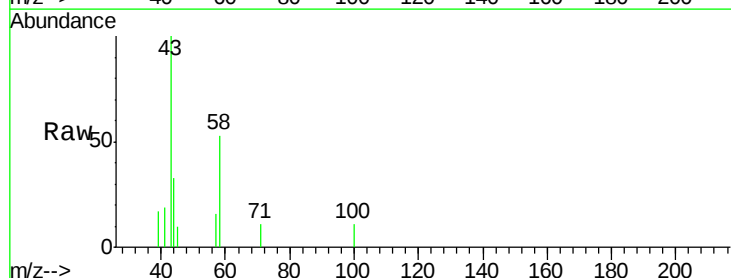
Acq: 05 Jul 2018 19:05

Tgt Ion: 43 Resp: 2034

Ion Ratio Lower Upper

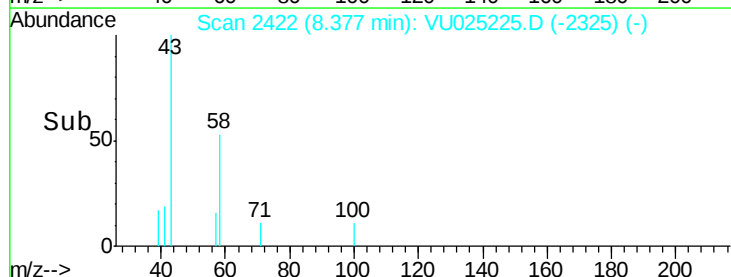
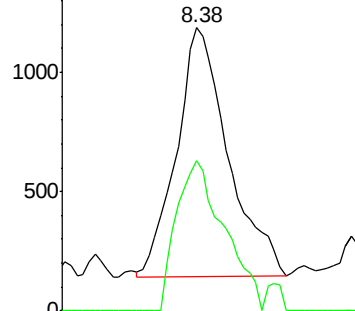
43 100

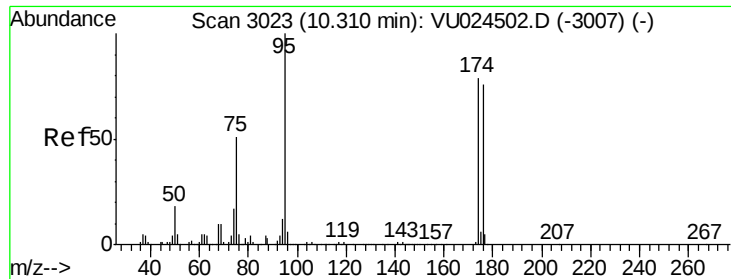
58 55.7 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

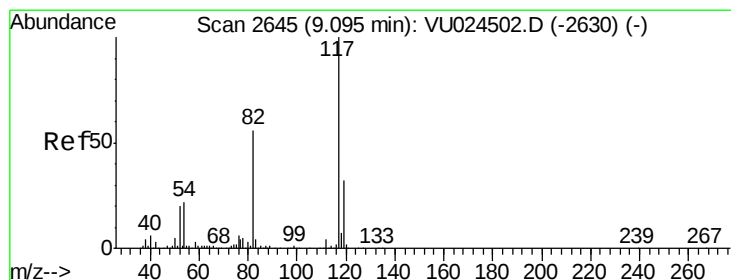
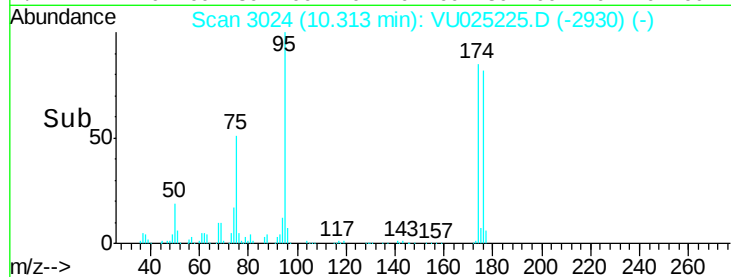
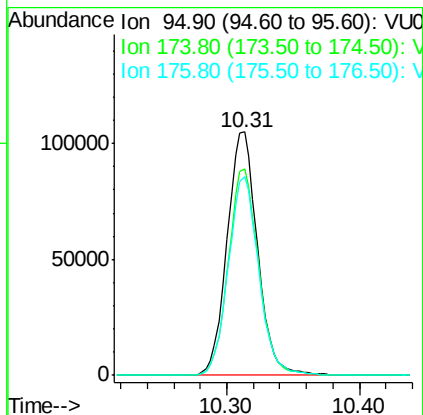
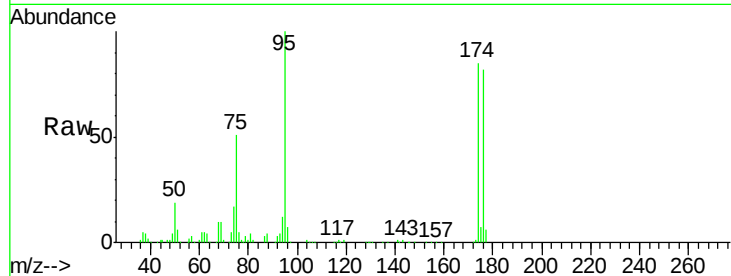




#62
4-Bromofluorobenzene
Concen: 44.29 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU025225.D
Acq: 05 Jul 2018 19:05

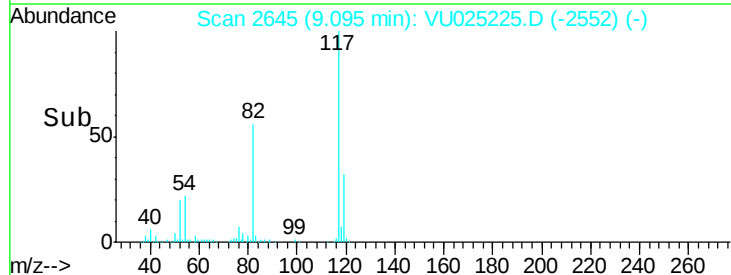
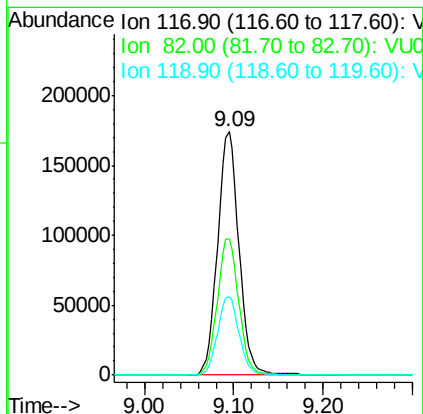
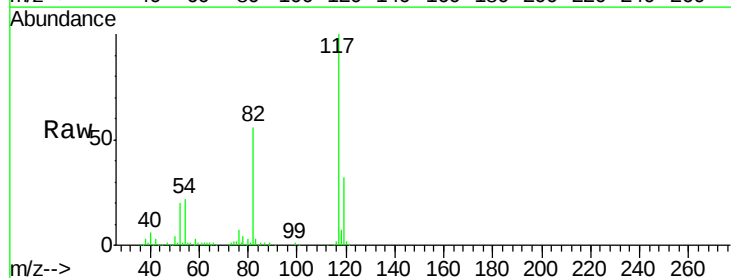
Instrument :
MSVOA_U
ClientSampled :

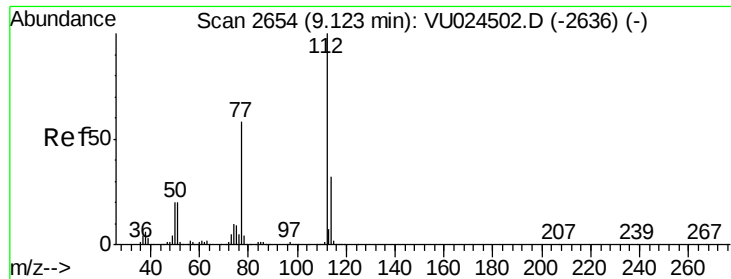
Tot Ion: 95 Resp: 167477
Ion Ratio Lower Upper
95 100
174 84.5 0.0 165.8
176 81.7 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025225.D
Acq: 05 Jul 2018 19:05

Tgt Ion: 117 Resp: 288863
Ion Ratio Lower Upper
117 100
82 56.0 44.3 66.5
119 32.4 25.4 38.2





#65

Chlorobenzene

Concen: 0.32 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

Instrument :

MSVOA_U

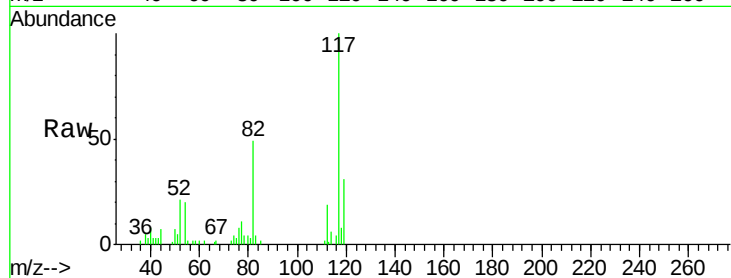
ClientSampleId :

Tot Ion:112 Resp: 2378

Ion Ratio Lower Upper

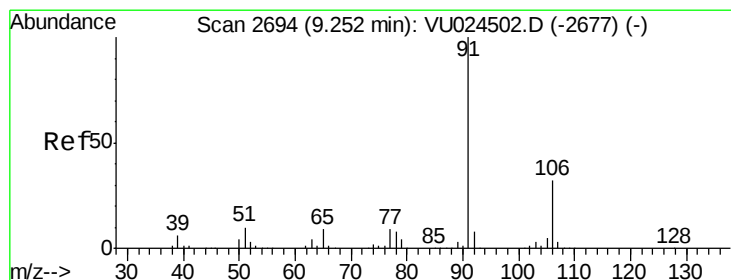
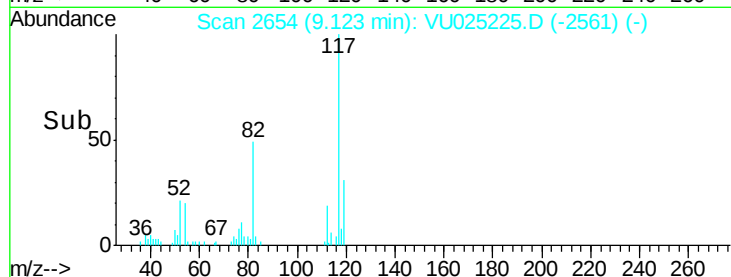
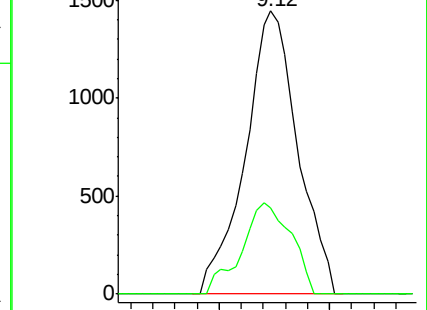
112 100

114 30.6 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 0.68 ug/l

RT: 9.26 min Scan# 2696

Delta R.T. 0.01 min

Lab File: VU025225.D

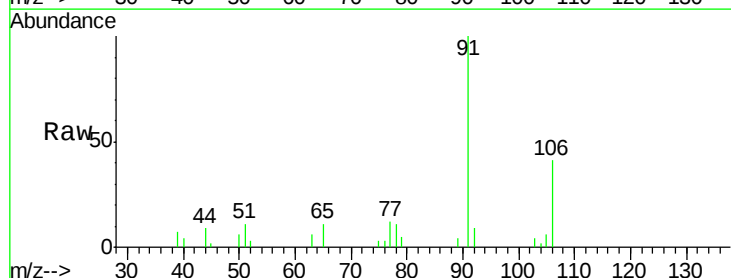
Acq: 05 Jul 2018 19:05

Tgt Ion: 91 Resp: 8788

Ion Ratio Lower Upper

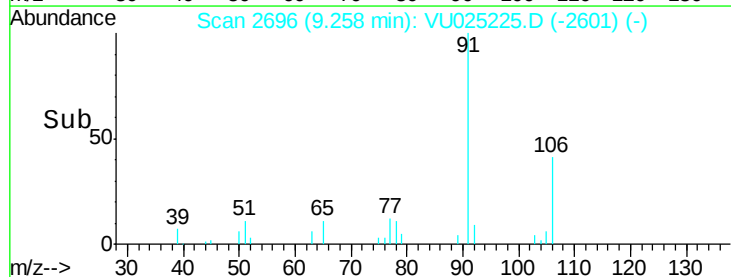
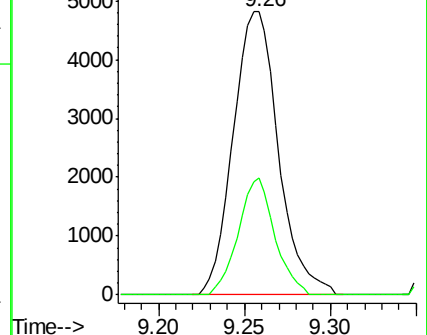
91 100

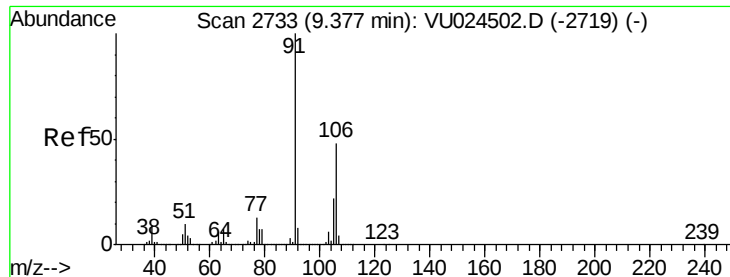
106 41.1 24.2 36.4#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

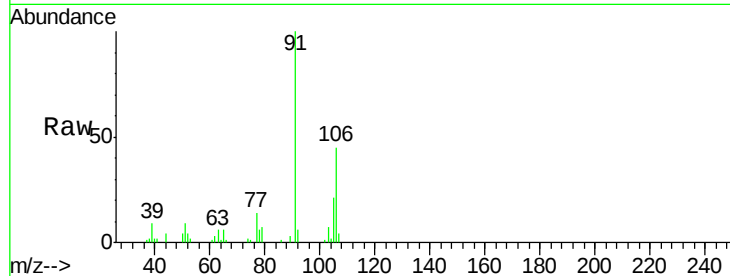




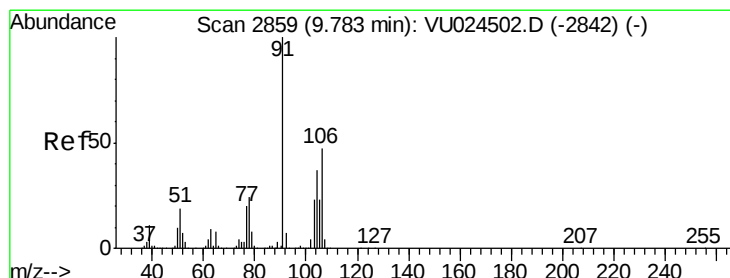
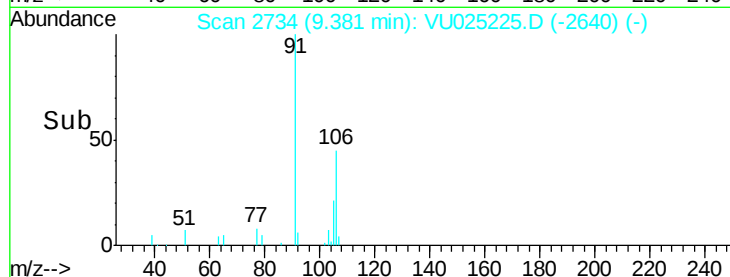
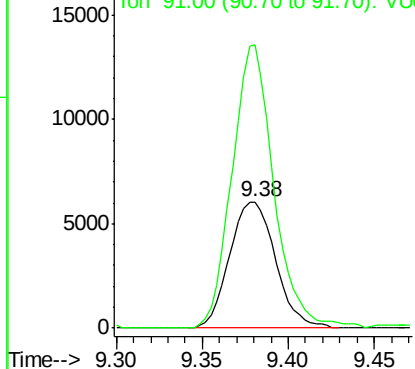
#68
m/p-Xylenes
Concen: 2.26 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025225.D
Acq: 05 Jul 2018 19:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 11225
Ion Ratio Lower Upper
106 100
91 204.6 166.5 249.7

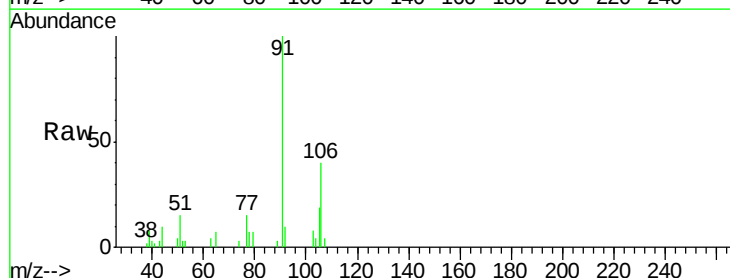


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

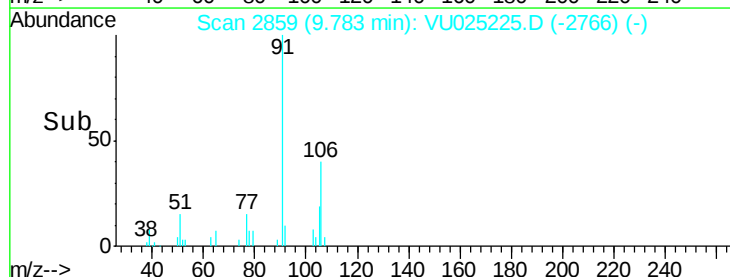
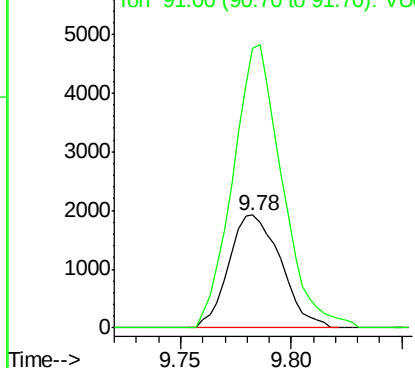


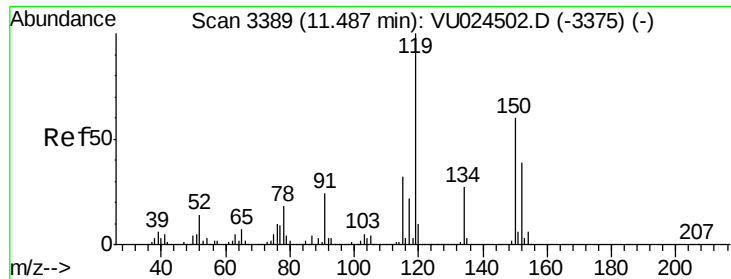
#69
o-Xylene
Concen: 0.64 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025225.D
Acq: 05 Jul 2018 19:05

Tgt Ion:106 Resp: 3154
Ion Ratio Lower Upper
106 100
91 236.7 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

Instrument :

MSVOA_U

ClientSampleId :

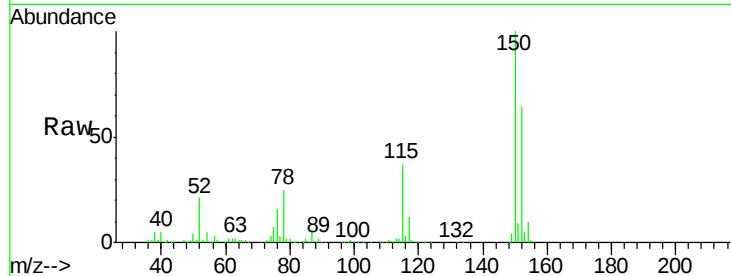
Tot Ion:152 Resp: 153782

Ion Ratio Lower Upper

152 100

115 57.3 43.0 129.0

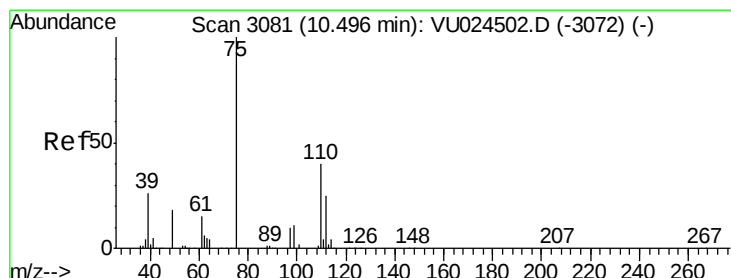
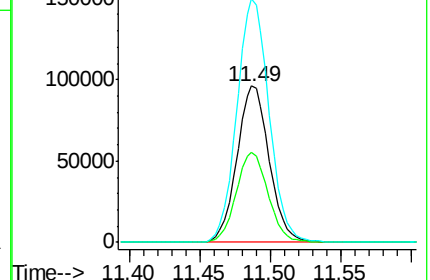
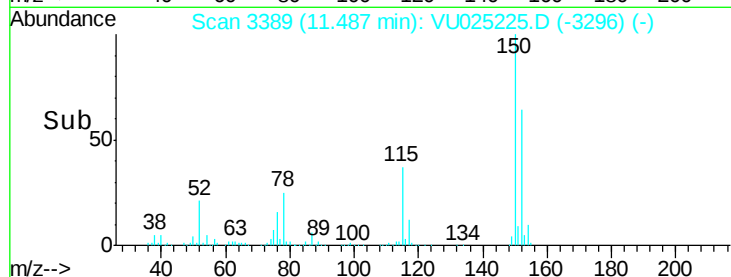
150 155.7 0.0 354.0



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: 25.77 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025225.D

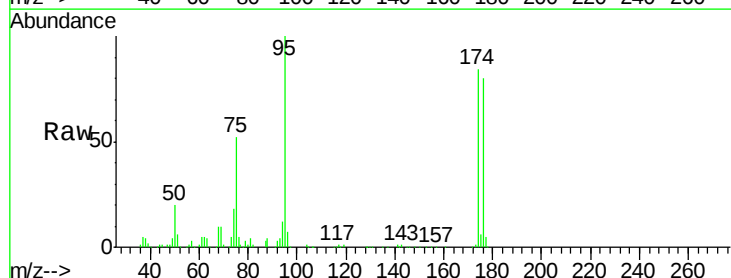
Acq: 05 Jul 2018 19:05

Tgt Ion: 75 Resp: 87241

Ion Ratio Lower Upper

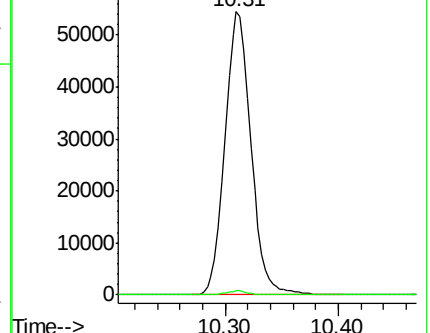
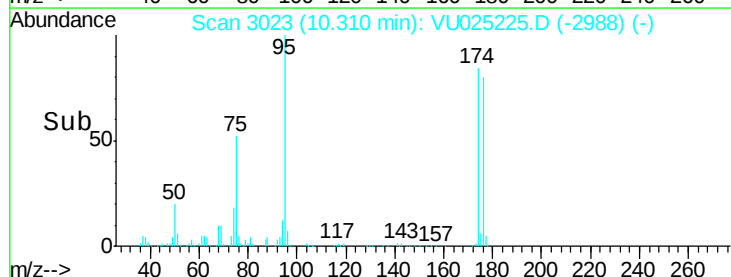
75 100

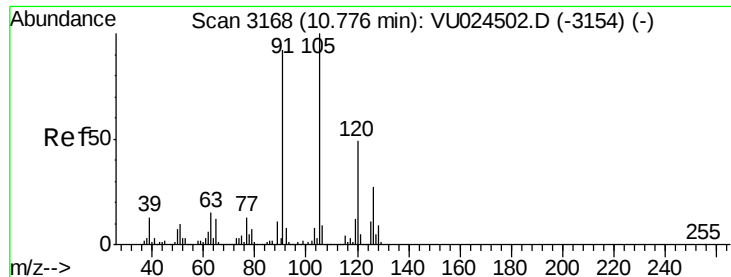
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#80

1,3,5-Trimethylbenzene

Concen: 0.37 ug/l

RT: 10.78 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

Instrument :

MSVOA_U

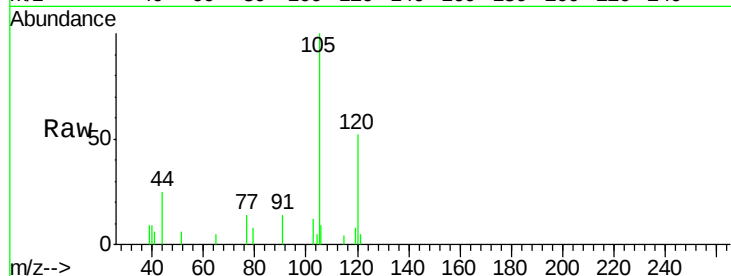
ClientSampleId :

Tot Ion:105 Resp: 3787

Ion Ratio Lower Upper

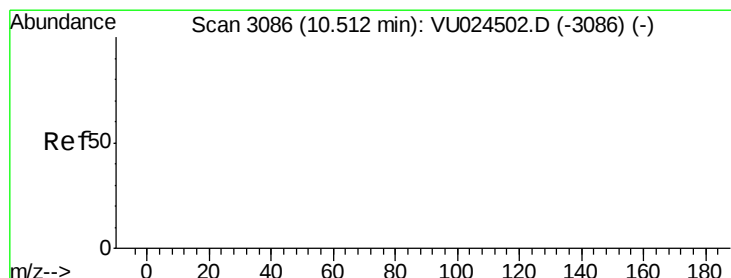
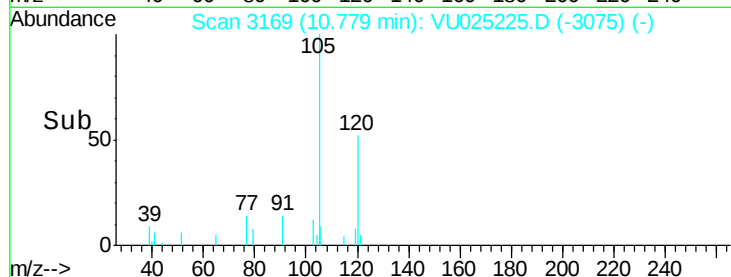
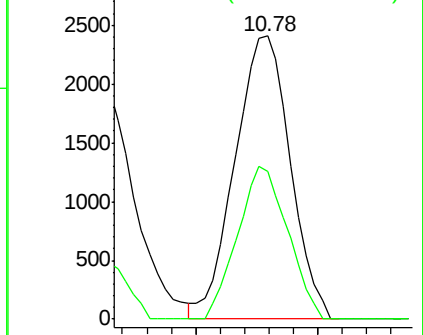
105 100

120 48.7 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: 59.64 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

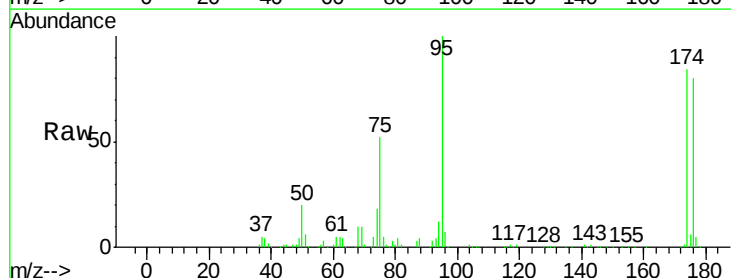
Tgt Ion: 75 Resp: 87241

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

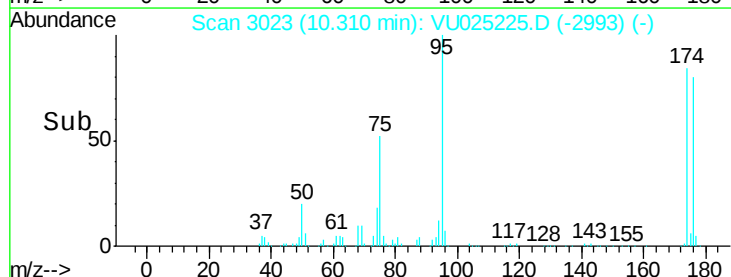
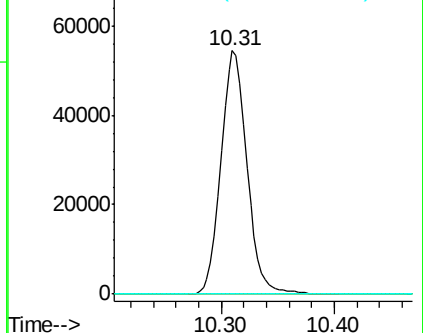
89 0.0 0.0 0.0

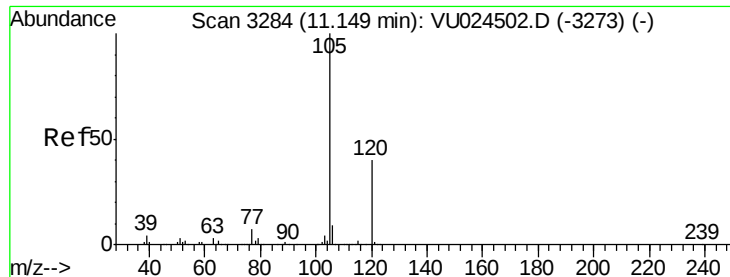


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#84

1,2,4-Trimethylbenzene

Concen: 1.31 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

Instrument :

MSVOA_U

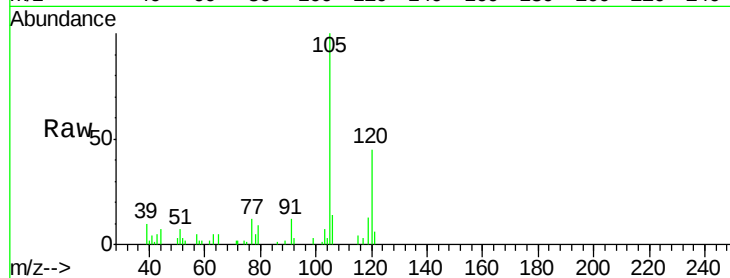
ClientSampled :

Tot Ion:105 Resp: 13672

Ion Ratio Lower Upper

105 100

120 47.2 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.15

8000

6000

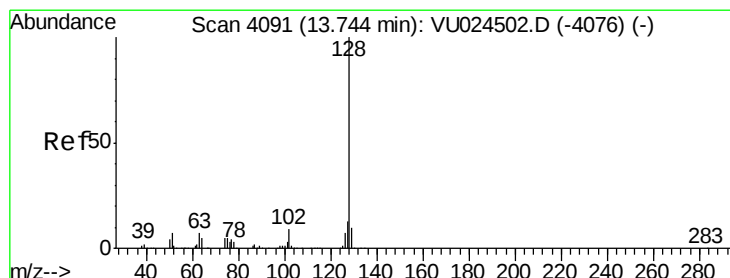
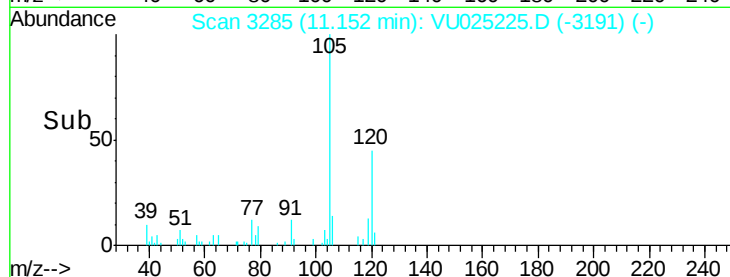
4000

2000

0

11.10 11.15 11.20

Time-->



#95

Naphthalene

Concen: 9.53 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025225.D

Acq: 05 Jul 2018 19:05

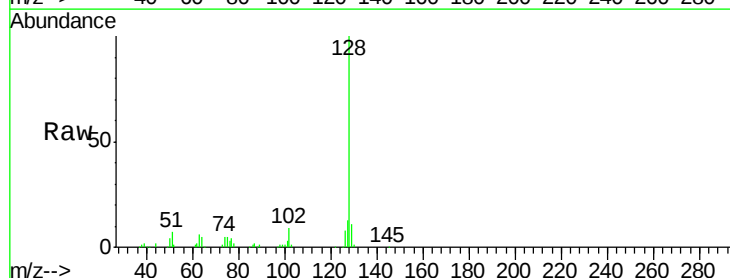
Tgt Ion:128 Resp: 101434

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.75

80000

60000

40000

20000

0

13.70 13.75 13.80 13.85

Time-->

