

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025207.D
 Acq On : 05 Jul 2018 11:45
 Operator : MD/SY
 Sample : J3783-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 06 05:10:38 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	212749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	317486	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	296885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159502	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	159092	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
35) Dibromofluoromethane	4.89	113	124404	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
50) Toluene-d8	7.57	98	460000	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
62) 4-Bromofluorobenzene	10.31	95	173655	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	761	0.28	ug/l	89
5) Bromomethane	1.63	94	345	0.25	ug/l	# 66
6) Chloroethane	1.69	64	65	Below Cal	#	43
10) Methyl Iodide	2.42	142	244	5.39	ug/l	# 40
11) Tert butyl alcohol	2.83	59	10947	12.96	ug/l	99
13) Acrolein	2.21	56	223	0.50	ug/l	# 13
14) Allyl chloride	2.71	41	48064	10.69	ug/l	# 57
15) Acrylonitrile	3.00	53	999	0.61	ug/l	# 27
16) Acetone	2.32	43	11527	6.18	ug/l	92
18) Methyl Acetate	2.71	43	115058	28.76	ug/l	# 53
25) 2-Butanone	4.23	43	8441	3.37	ug/l	# 51
31) Cyclohexane	5.00	56	11774	0.64	ug/l	# 62
36) 1,1-Dichloropropene	4.99	75	16231	4.35	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	19825	4.83	ug/l	# 17
39) Methylcyclohexane	6.41	83	20464	4.40	ug/l	93
40) Benzene	5.40	78	27422	2.58	ug/l	98
43) Isopropyl Acetate	5.54	43	54809	7.80	ug/l	# 62
51) 4-Methyl-2-Pentanone	7.47	43	5260	1.19	ug/l	94
55) 1,1,2-Trichloroethane	8.05	97	10159	3.65	ug/l	# 18
56) Ethyl methacrylate	8.05	69	2373	0.51	ug/l	# 3
58) 2-Chloroethyl Vinyl ether	7.05	63	585	0.33	ug/l	# 50
59) 2-Hexanone	8.17	43	30633	8.50	ug/l	77
67) Ethyl Benzene	9.25	91	908721	68.35	ug/l	98
68) m/p-Xylenes	9.38	106	27488	5.38	ug/l	95
69) o-Xylene	9.79	106	2377	0.47	ug/l	99
73) Isopropylbenzene	10.17	105	168687	13.77	ug/l	100
74) N-amyl acetate	10.08	43	4453	0.76	ug/l	# 44
75) 1,1,2,2-Tetrachloroethane	10.40	83	1387	0.34	ug/l	# 25
76) 1,2,3-Trichloropropane	10.31	75	89864	25.59	ug/l	# 36
78) n-propylbenzene	10.59	91	185414	12.85	ug/l	97
79) 2-Chlorotoluene	10.59	91	185414	21.80	ug/l	# 41
80) 1,3,5-Trimethylbenzene	10.78	105	24860	2.34	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.31	75	89864	59.23	ug/l	# 100
82) 4-Chlorotoluene	10.59	91	185414	18.73	ug/l	# 45

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

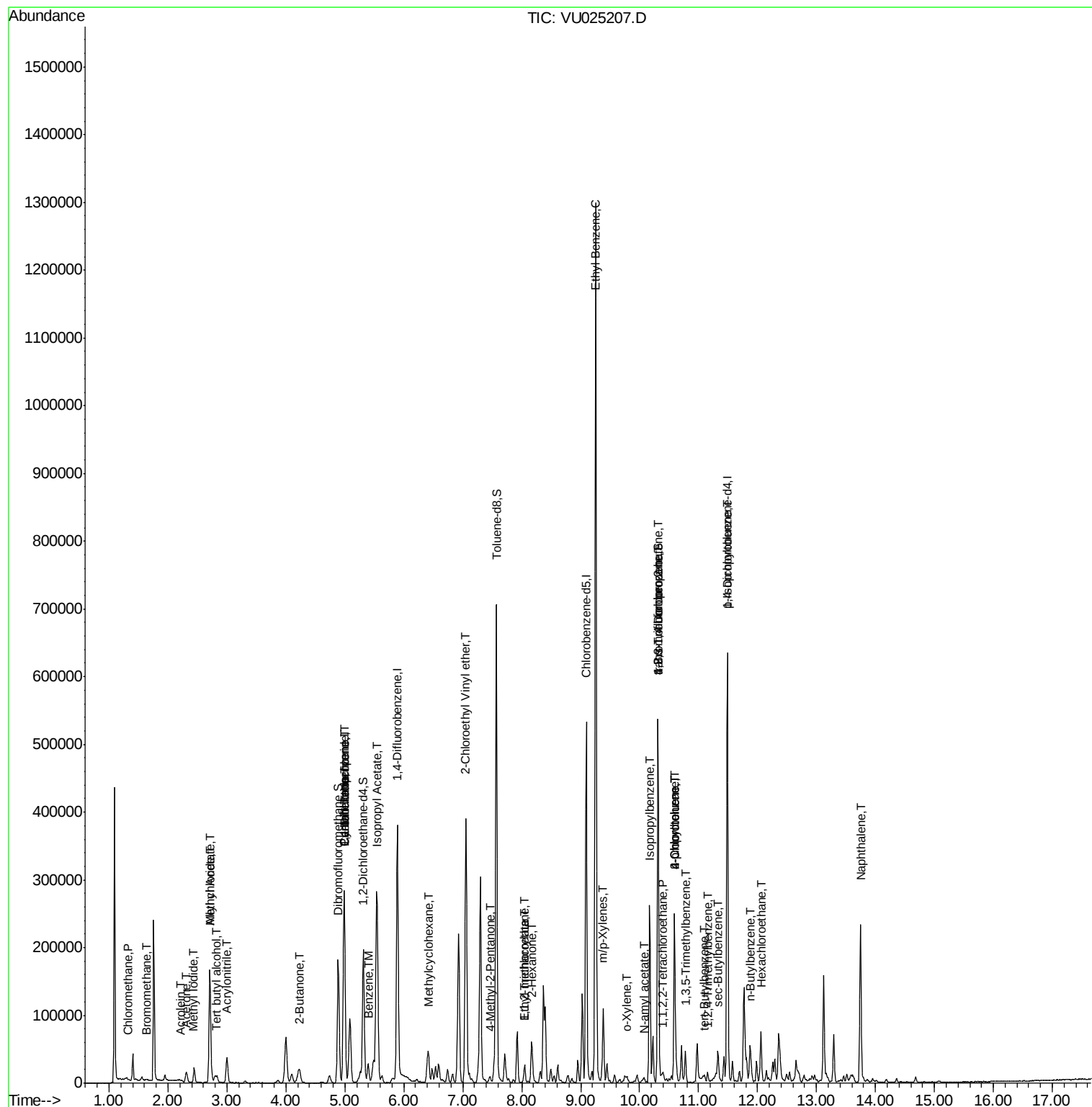
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	11.11	119	4455	0.44	ug/l	80
84) 1,2,4-Trimethylbenzene	11.15	105	9185	0.85	ug/l	96
85) sec-Butylbenzene	11.33	105	21754	1.70	ug/l	95
86) p-Isopropyltoluene	11.48	119	22305	1.95	ug/l	97
89) n-Butylbenzene	11.89	91	10100	0.99	ug/l #	19
90) Hexachloroethane	12.06	117	1206	0.54	ug/l #	8
95) Naphthalene	13.75	128	188527	16.54	ug/l	99

(#) = 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: VU025207.D

Acq: 05 Jul 2018 11:45

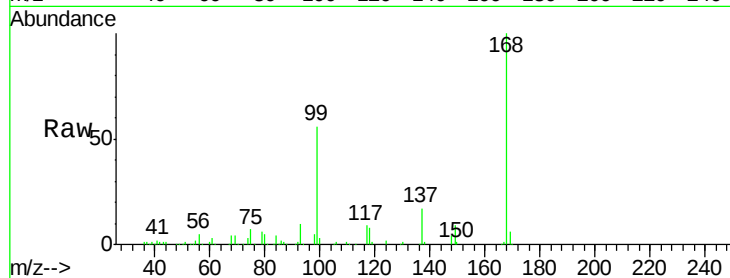
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 212749

Ion Ratio Lower Upper

168 100

99 56.5 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

100000

80000

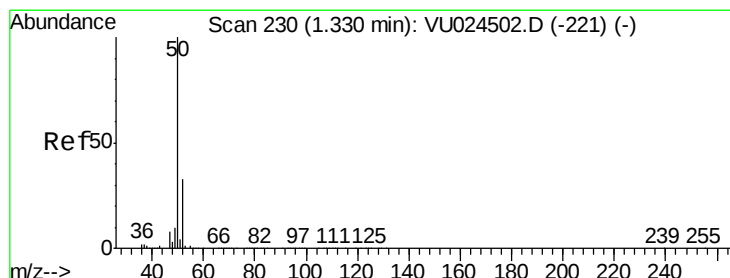
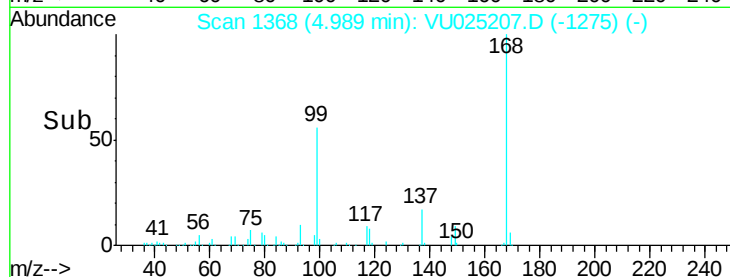
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.28 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025207.D

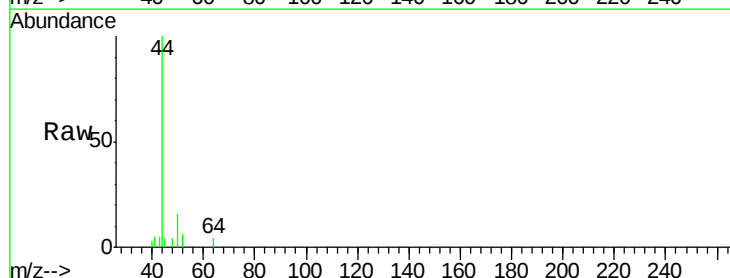
Acq: 05 Jul 2018 11:45

Tgt Ion: 50 Resp: 761

Ion Ratio Lower Upper

50 100

52 39.3 26.4 39.6



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

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

1.33

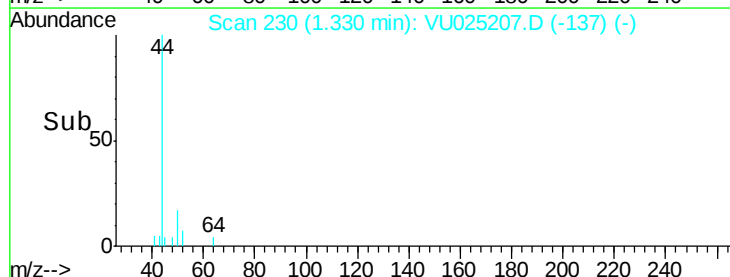
600

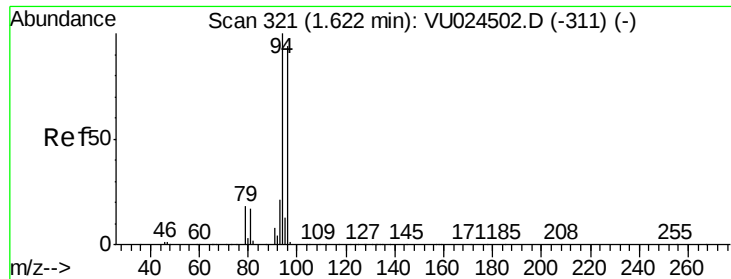
400

200

0

Time-->





#5

Bromomethane

Concen: 0.25 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

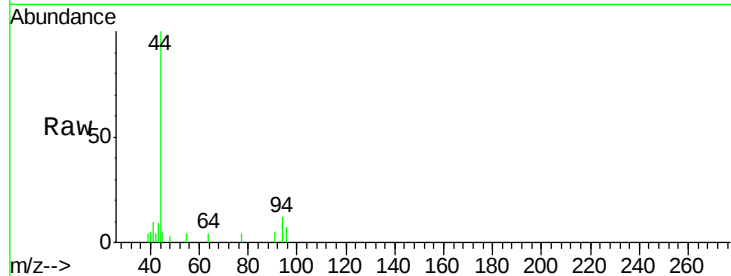
ClientSampleId :

Tot Ion: 94 Resp: 345

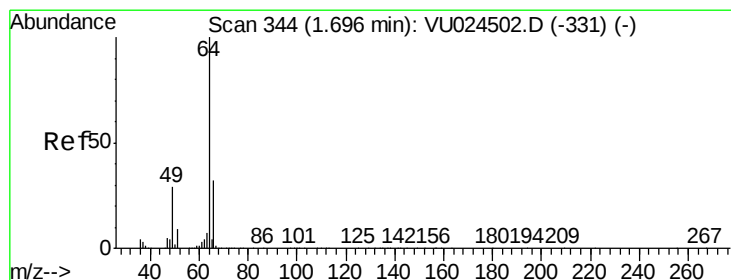
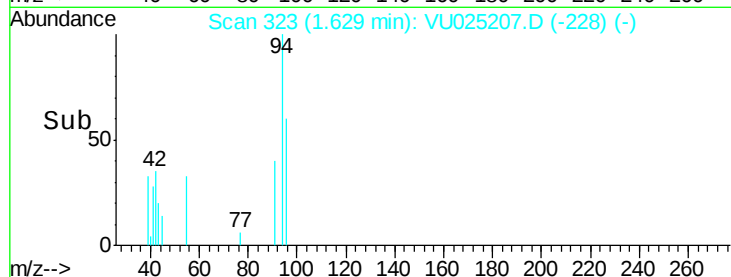
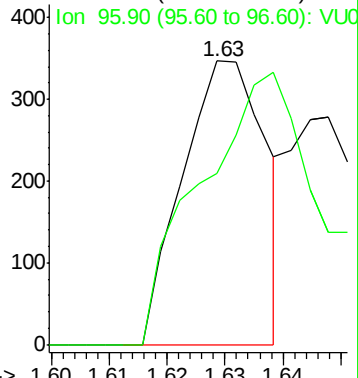
Ion Ratio Lower Upper

94 100

96 60.2 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU024502.D (-311) (-)



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU025207.D

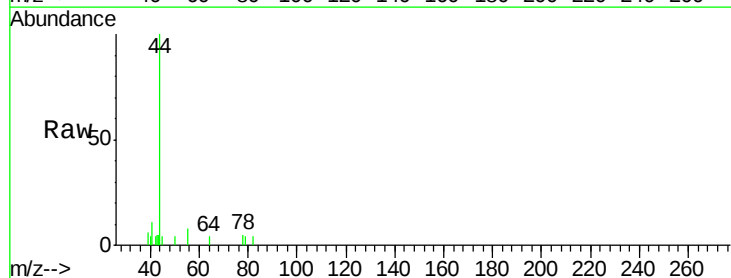
Acq: 05 Jul 2018 11:45

Tgt Ion: 64 Resp: 65

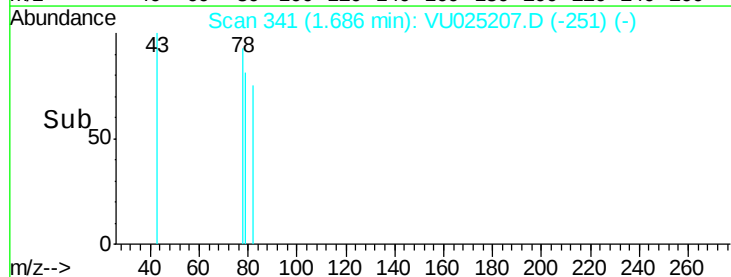
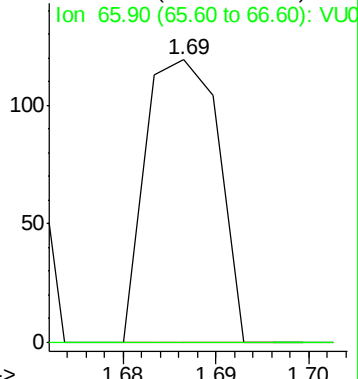
Ion Ratio Lower Upper

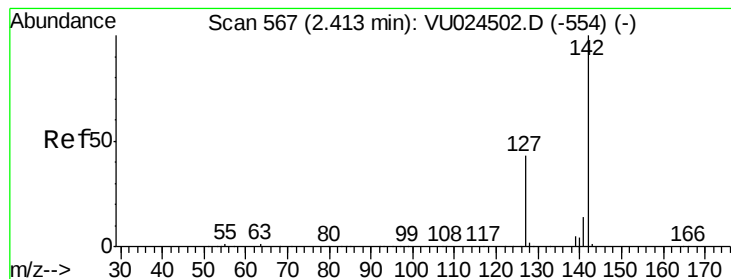
64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)





#10

Methvl Iodide

Concen: 5.39 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :
MSVOA_U
ClientSampleId :

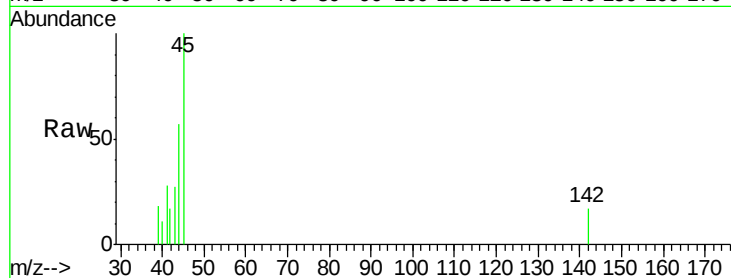
Tot Ion:142 Resp: 244

Ion Ratio Lower Upper

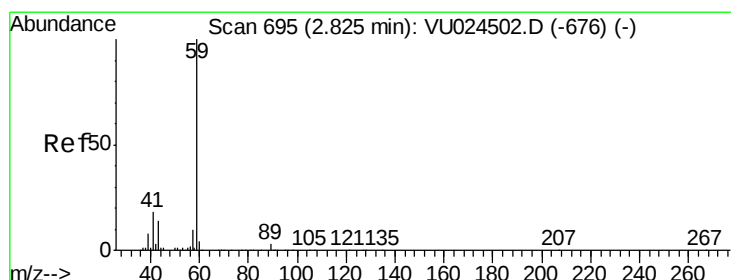
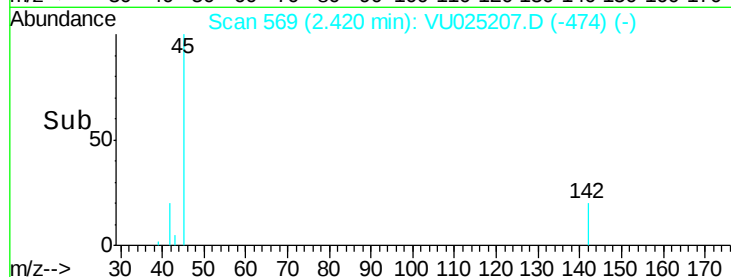
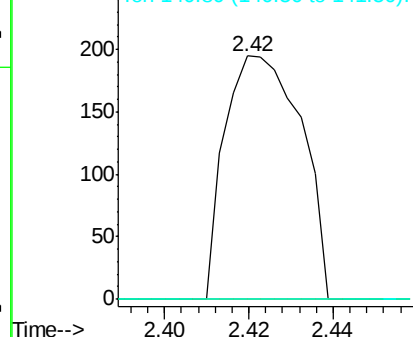
142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



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



#11

Tert butyl alcohol

Concen: 12.96 ug/l

RT: 2.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VU025207.D

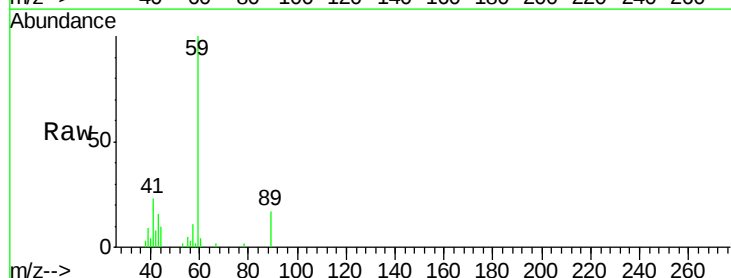
Acq: 05 Jul 2018 11:45

Tgt Ion: 59 Resp: 10947

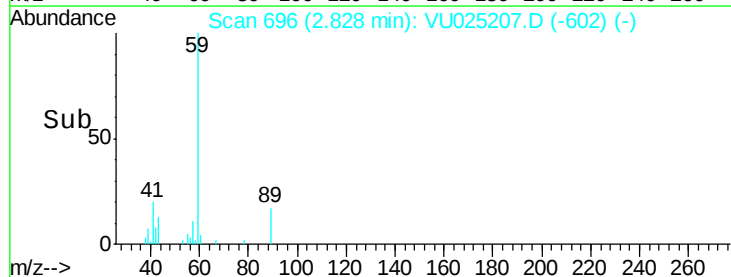
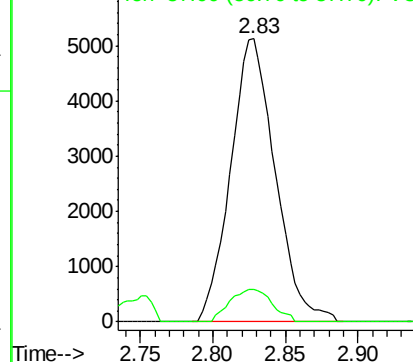
Ion Ratio Lower Upper

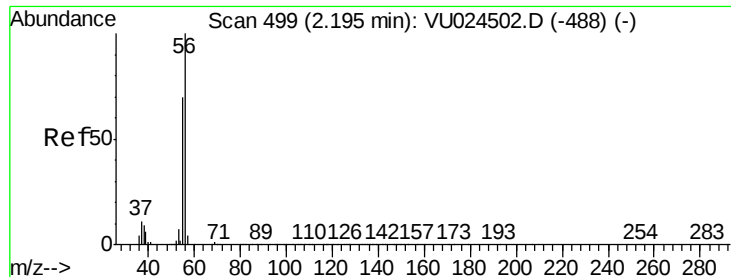
59 100

57 10.9 8.5 12.7



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





#13

Acrolein

Concen: 0.50 ug/l

RT: 2.21 min Scan# 503

Delta R.T. 0.01 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

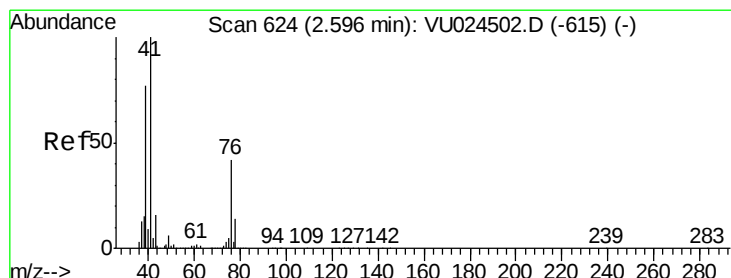
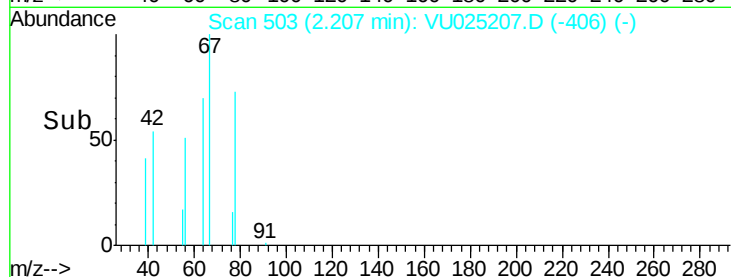
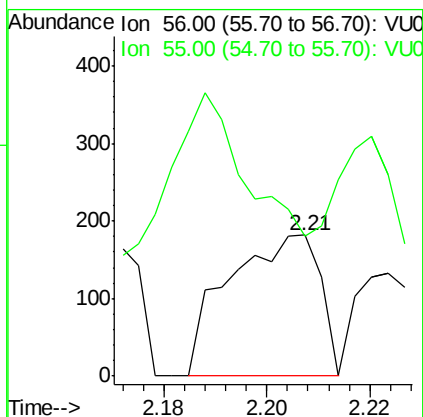
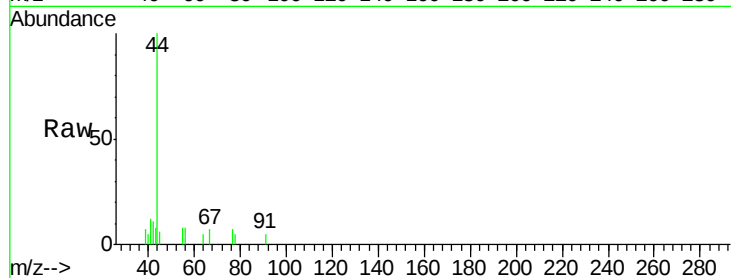
ClientSampled :

Tot Ion: 56 Resp: 223

Ion Ratio Lower Upper

56 100

55 0.0 58.4 87.6#



#14

Allyl chloride

Concen: 10.69 ug/l

RT: 2.71 min Scan# 660

Delta R.T. 0.12 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

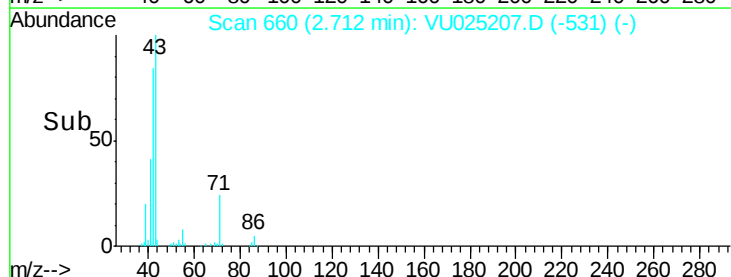
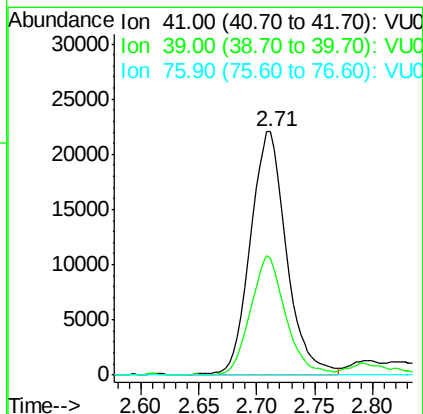
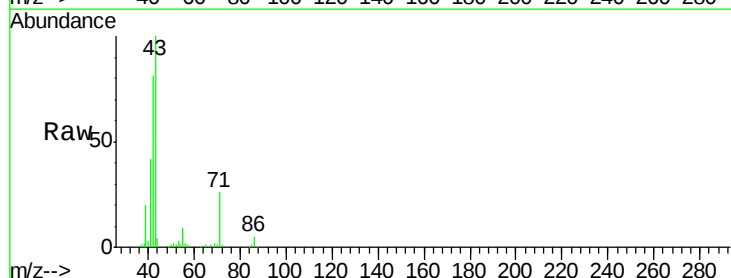
Tgt Ion: 41 Resp: 48064

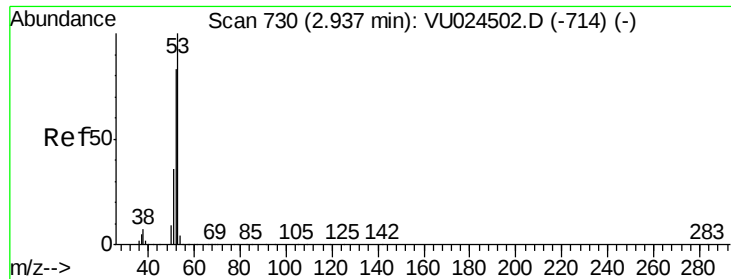
Ion Ratio Lower Upper

41 100

39 47.6 61.6 92.4#

76 0.0 29.7 44.5#





#15

Acrylonitrile

Concen: 0.61 ug/l

RT: 3.00 min Scan# 750

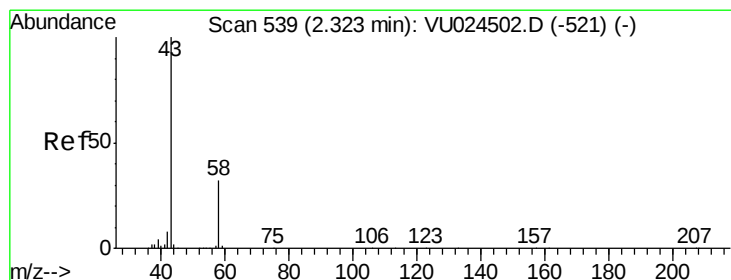
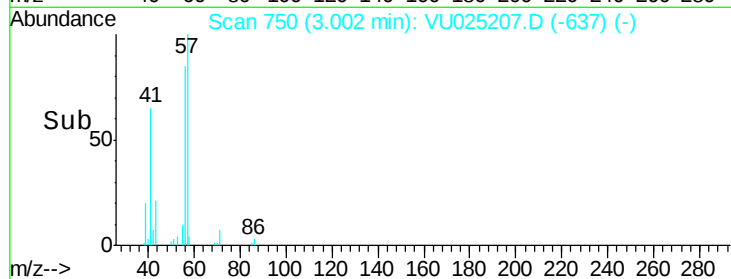
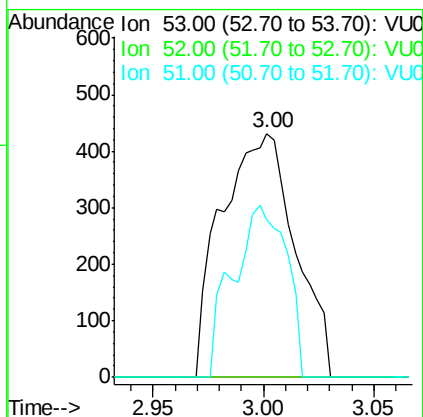
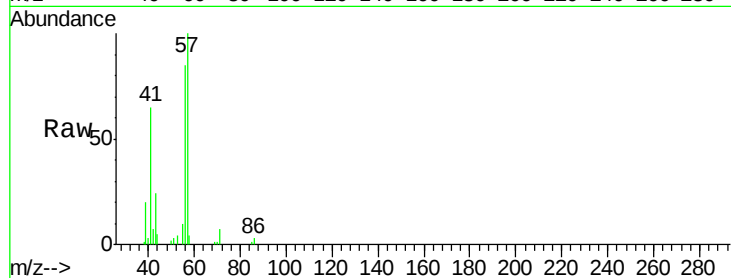
Delta R.T. 0.06 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	53	Resp:	999
Ion	Ratio	Lower	Upper
53	100		
52	0.0	67.1	100.7#
51	51.3	28.4	42.6#



#16

Acetone

Concen: 6.18 ug/l

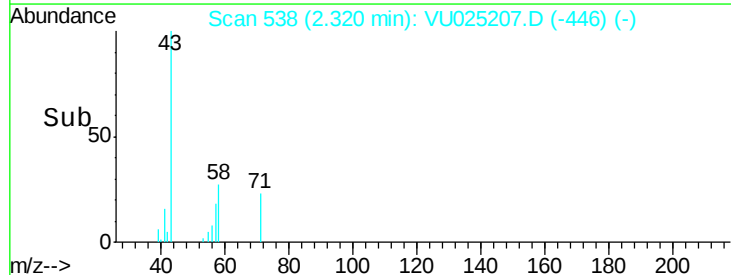
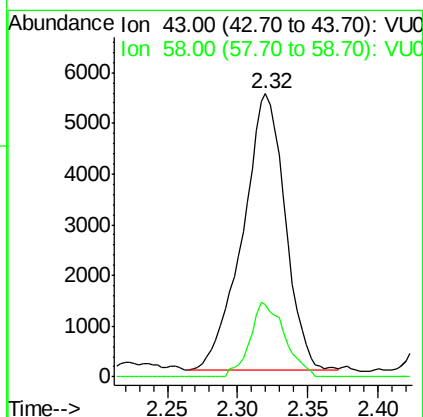
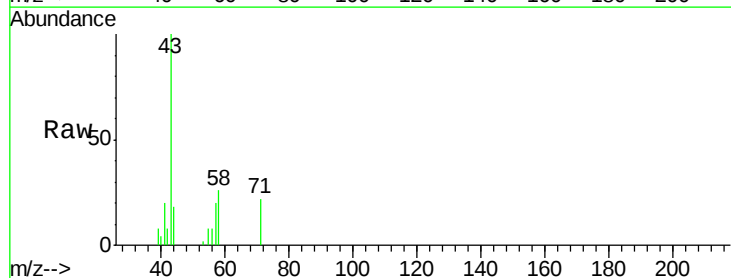
RT: 2.32 min Scan# 538

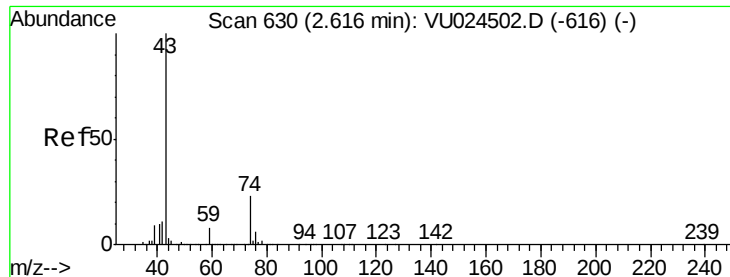
Delta R.T. -0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Tgt Ion:	43	Resp:	11527
Ion	Ratio	Lower	Upper
43	100		
58	26.2	24.4	36.6

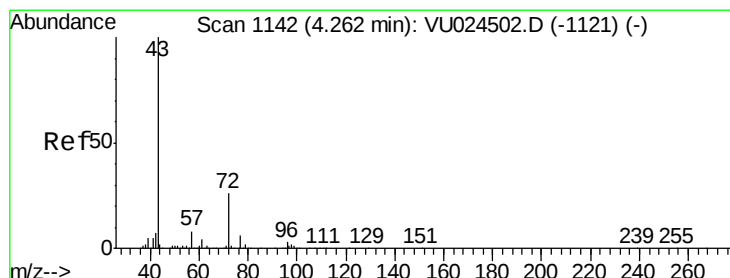
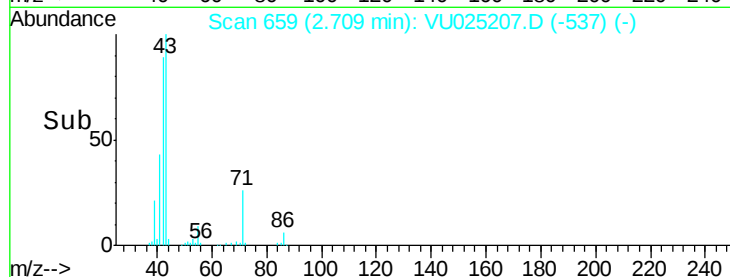
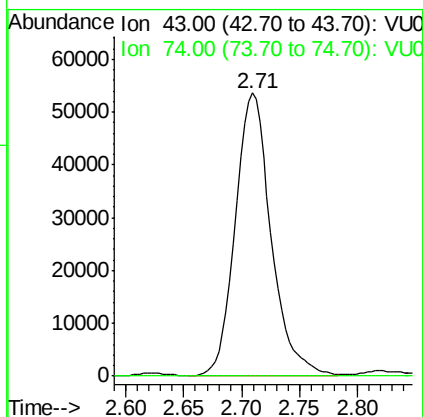
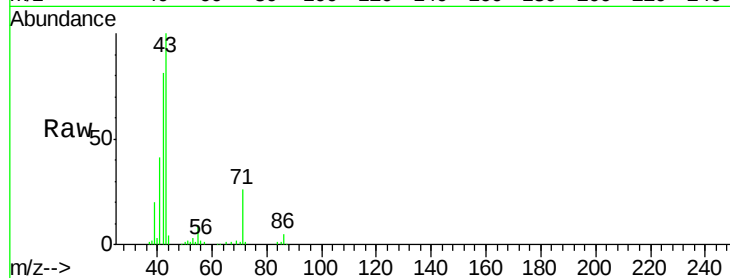




#18
Methvl Acetate
Concen: 28.76 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.09 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

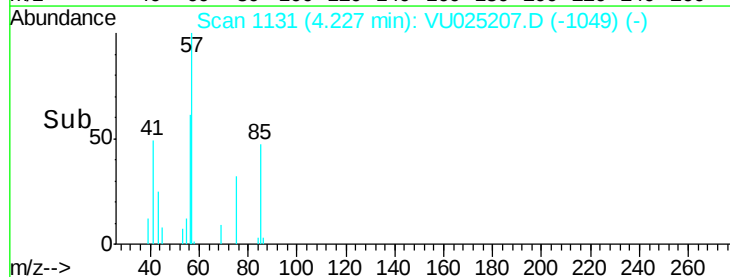
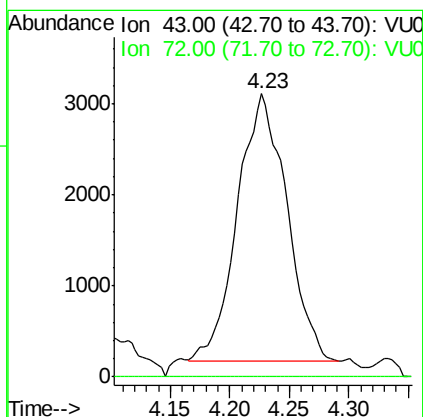
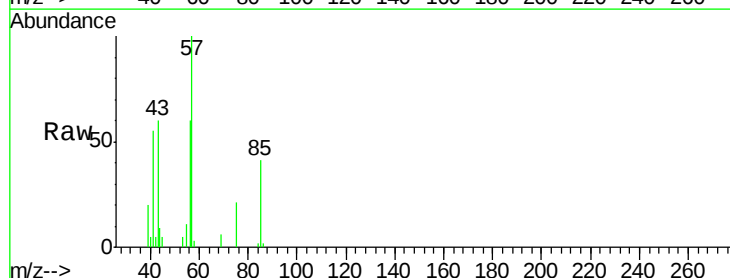
Instrument :
MSVOA_U
ClientSampleId :

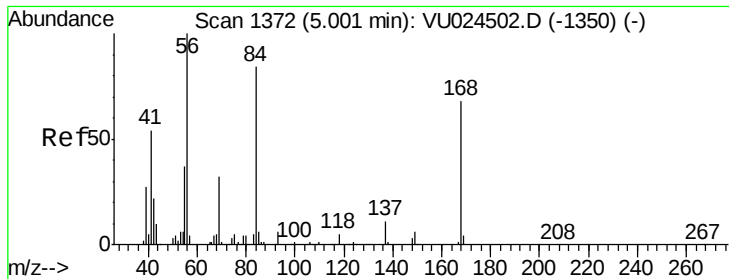
Tot Ion: 43 Resp: 115058
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#25
2-Butanone
Concen: 3.37 ug/l
RT: 4.23 min Scan# 1131
Delta R.T. -0.04 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Tgt Ion: 43 Resp: 8441
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#

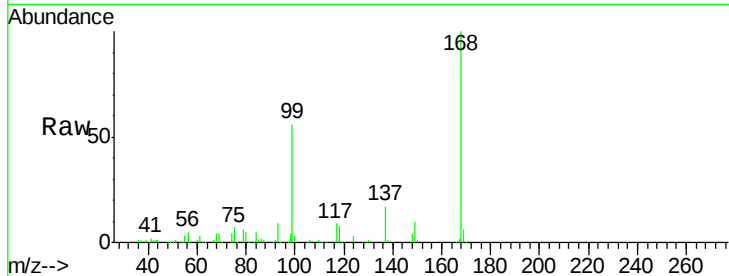




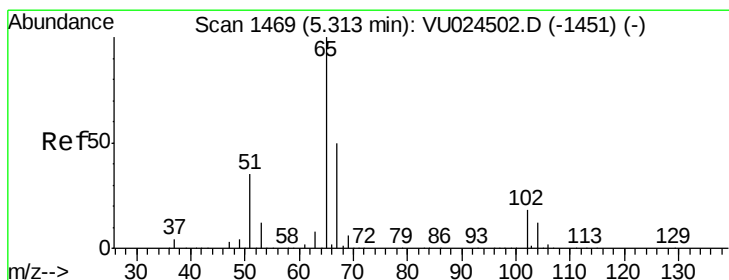
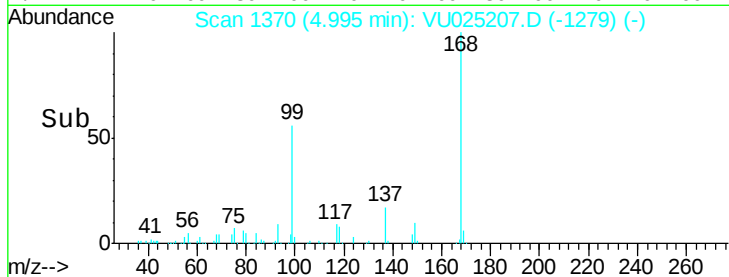
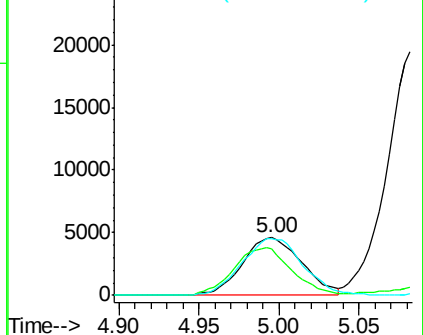
#31
Cyclohexane
Concen: 0.64 ug/l
RT: 5.00 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 11774
Ion Ratio Lower Upper
56 100
69 79.8 24.8 37.2#
84 98.7 65.2 97.8#

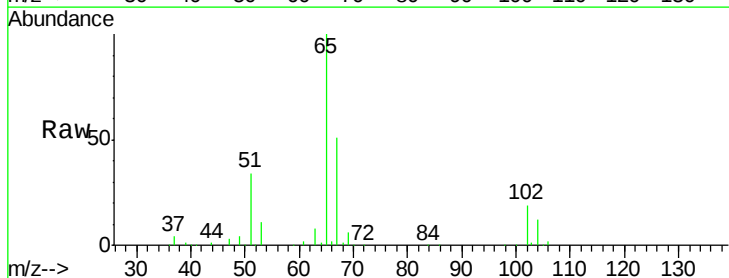


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

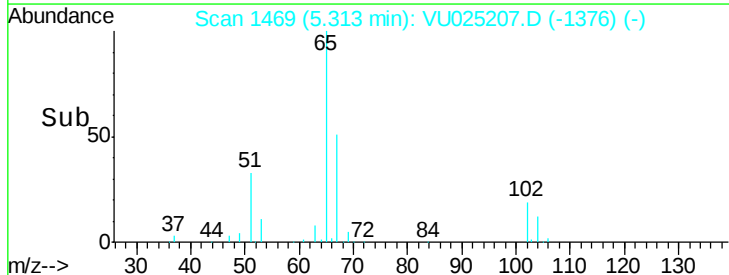
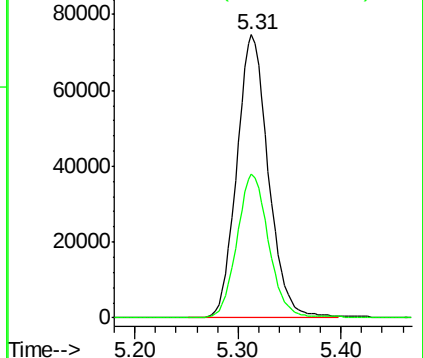


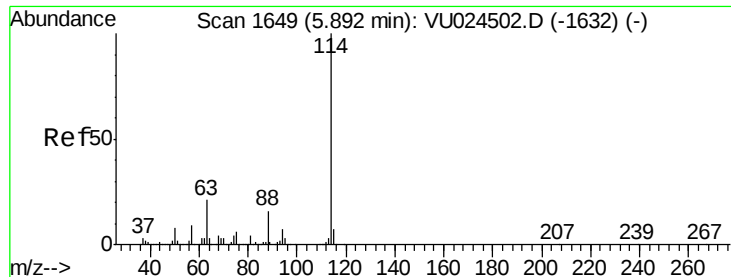
#33
1,2-Dichloroethane-d4
Concen: 45.81 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Tgt Ion: 65 Resp: 159092
Ion Ratio Lower Upper
65 100
67 51.1 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: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :
MSVOA_U
ClientSampleId :

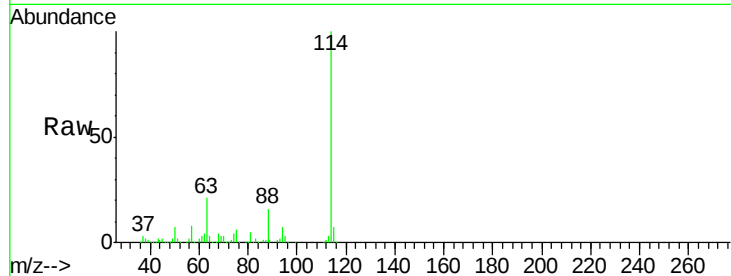
Tot Ion:114 Resp: 317486

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.4

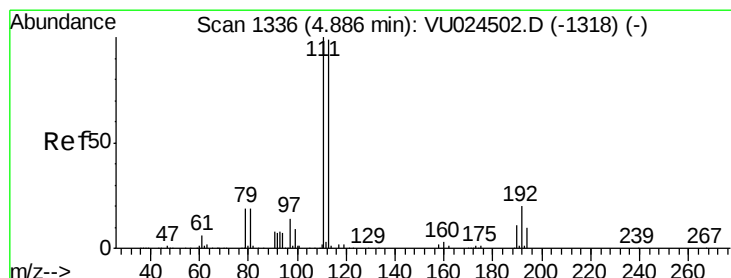
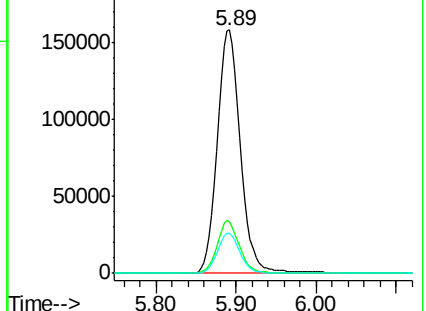
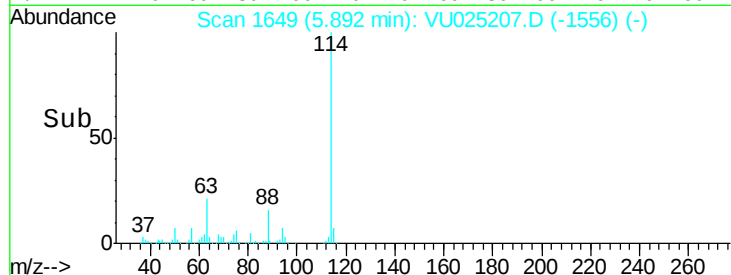
88 16.3 0.0 31.0



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: 47.21 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

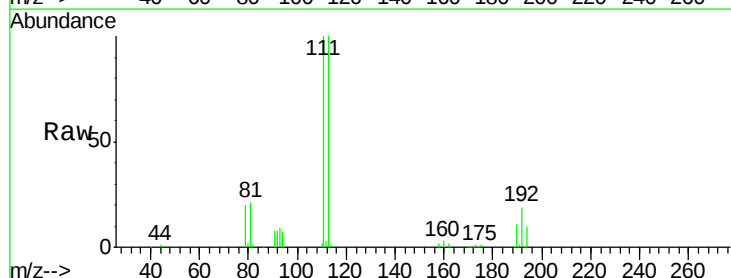
Tgt Ion:113 Resp: 124404

Ion Ratio Lower Upper

113 100

111 100.7 82.2 123.4

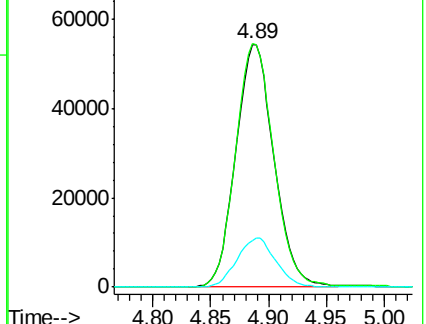
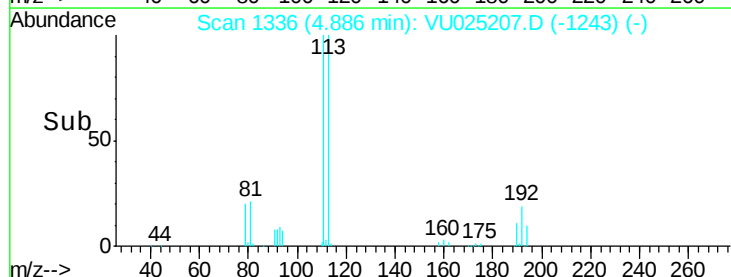
192 20.5 16.2 24.4

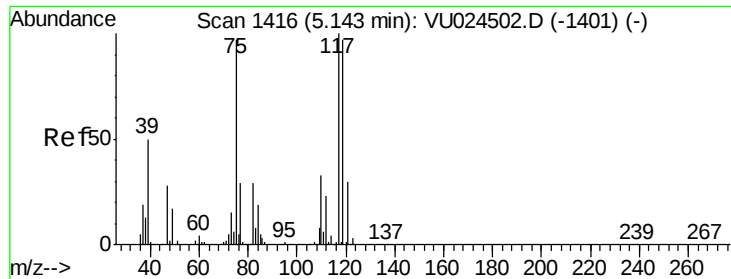


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

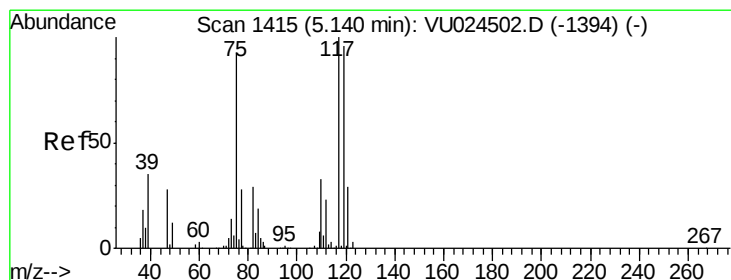
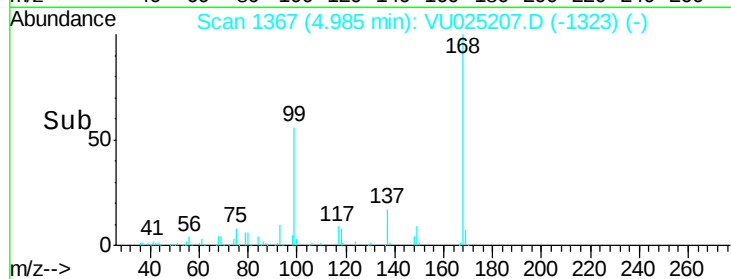
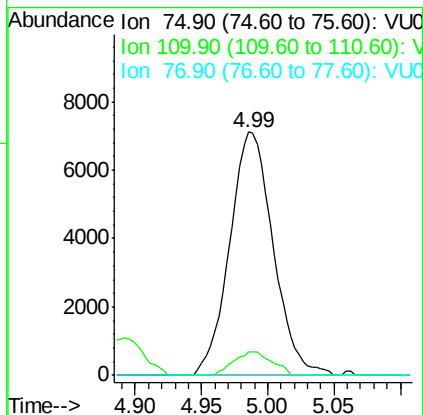
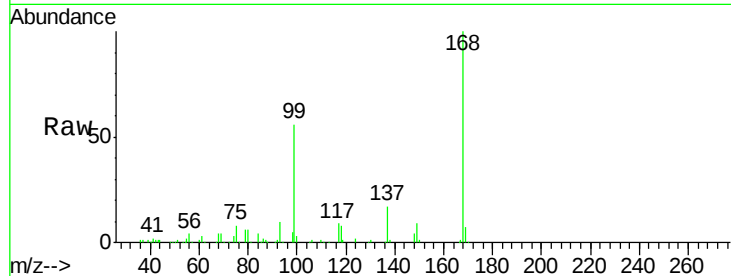




#36
 1,1-Dichloropropene
 Concen: 4.35 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025207.D
 Acq: 05 Jul 2018 11:45

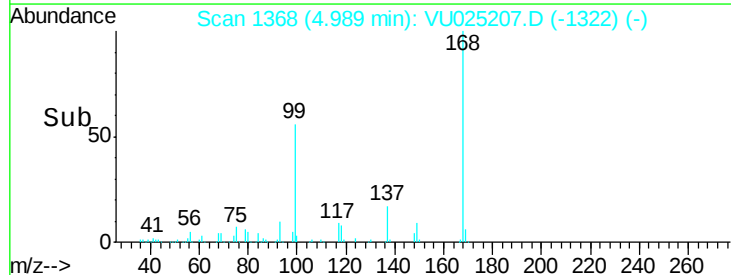
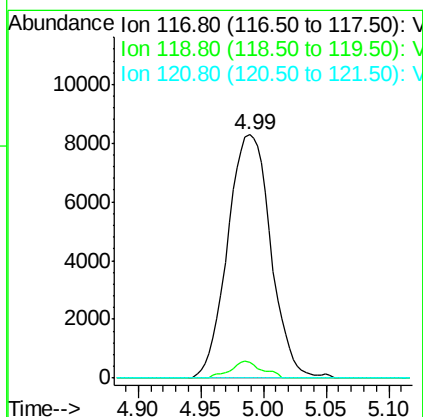
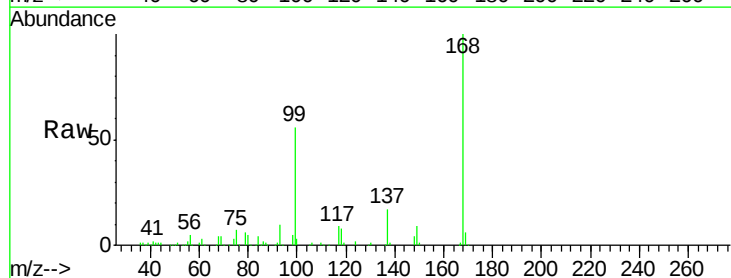
Instrument :
 MSVOA_U
 ClientSampleId :

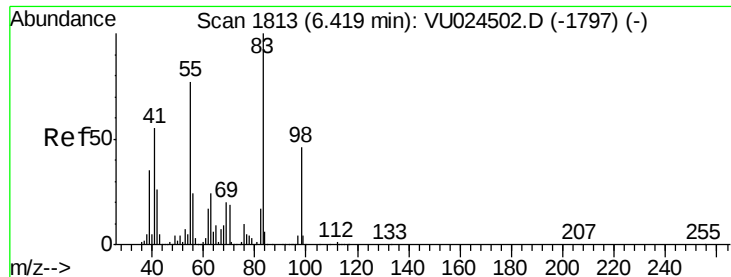
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.83 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025207.D
 Acq: 05 Jul 2018 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.1	114.1#
121	0.0	23.7	35.5#

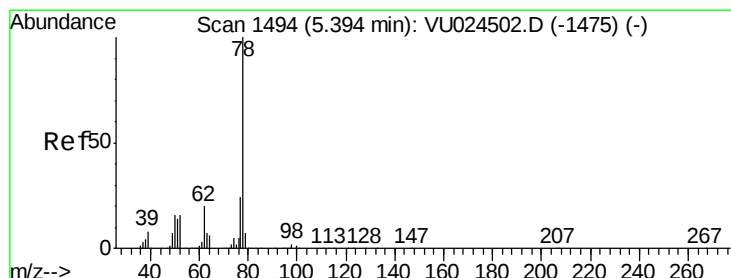
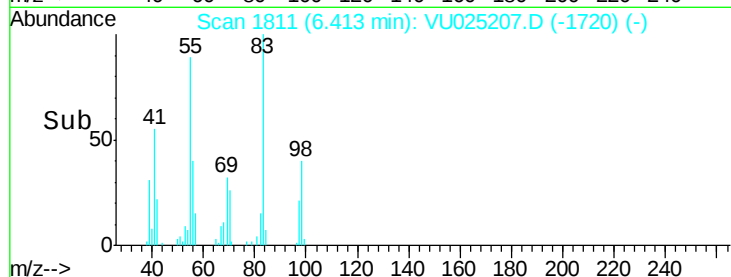
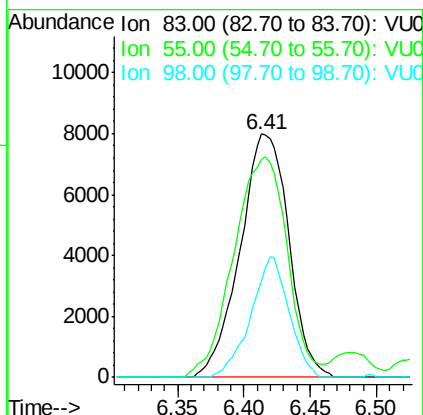
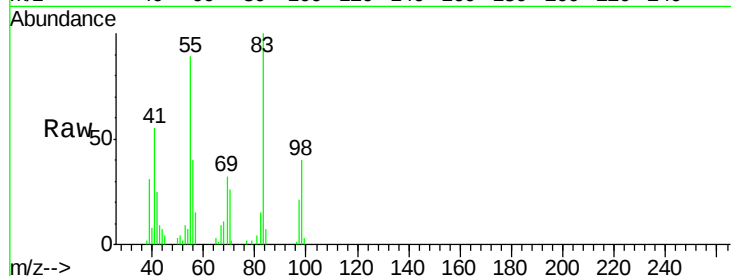




#39
Methvlcvclohexane
Concen: 4.40 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

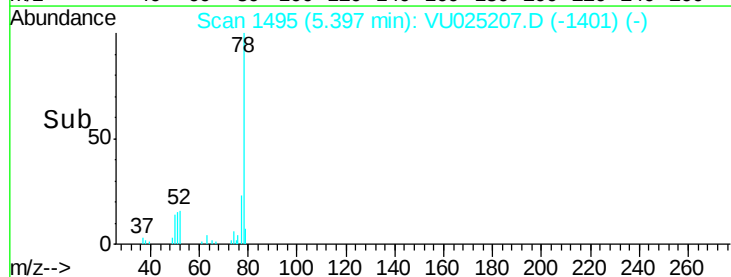
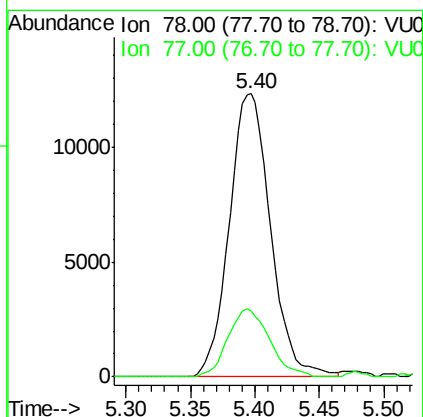
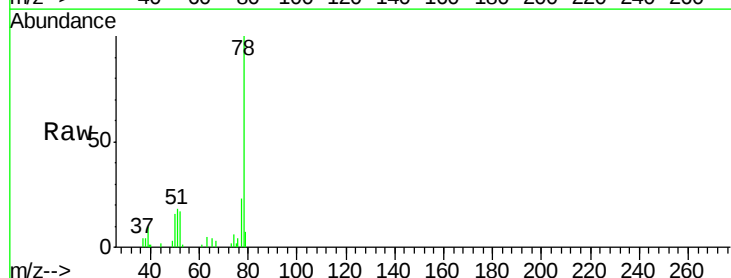
Instrument :
MSVOA_U
ClientSampleId :

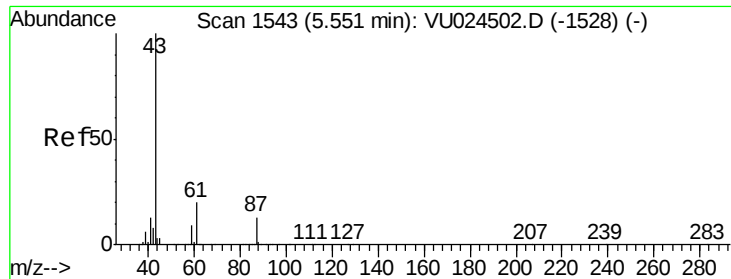
Tot Ion: 83 Resp: 20464
Ion Ratio Lower Upper
83 100
55 87.8 65.8 98.6
98 39.8 36.7 55.1



#40
Benzene
Concen: 2.58 ug/l
RT: 5.40 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Tgt Ion: 78 Resp: 27422
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8





#43

Isopropyl Acetate

Concen: 7.80 ug/l

RT: 5.54 min Scan# 1539

Delta R.T. -0.01 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

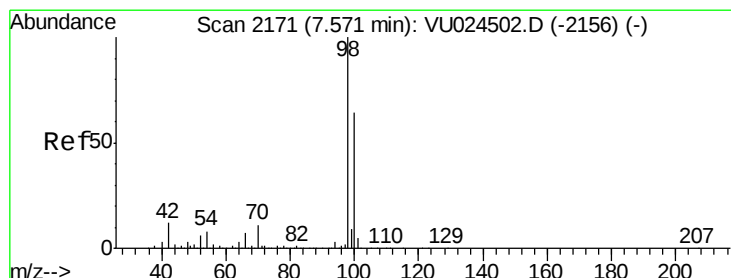
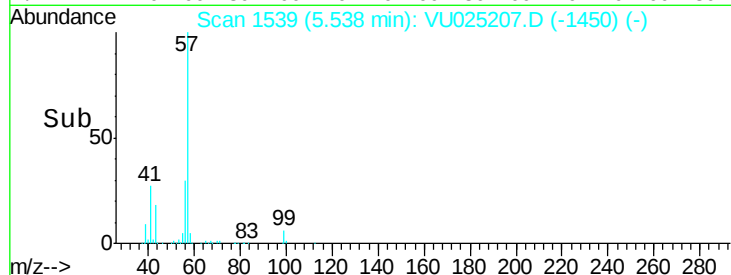
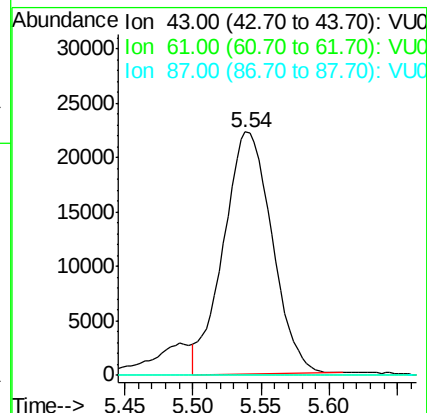
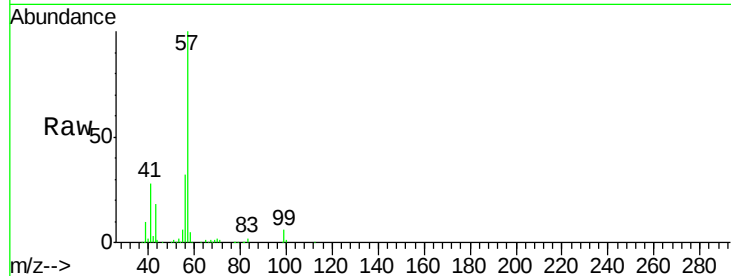
Tot Ion: 43 Resp: 54809

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

87 0.0 10.0 15.0#



#50

Toluene-d8

Concen: 47.86 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025207.D

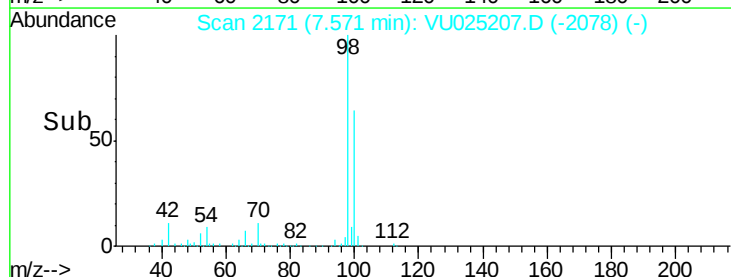
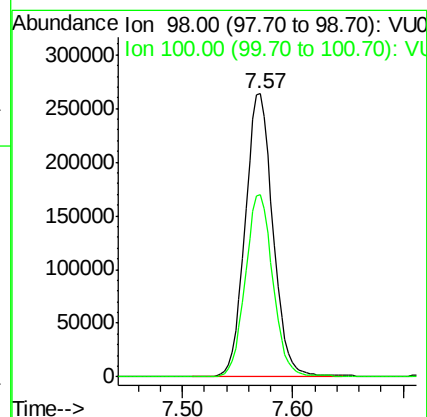
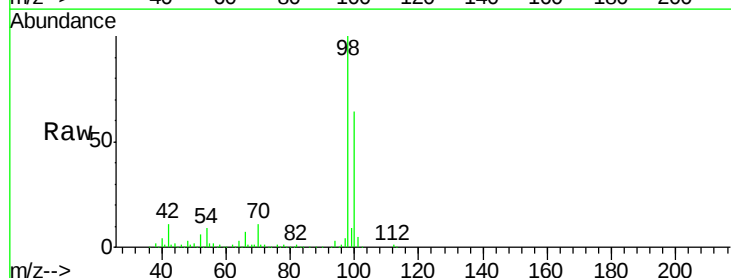
Acq: 05 Jul 2018 11:45

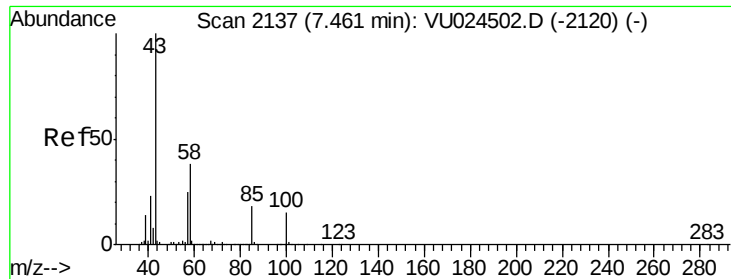
Tgt Ion: 98 Resp: 460000

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 1.19 ug/l

RT: 7.47 min Scan# 2139

Delta R.T. 0.01 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

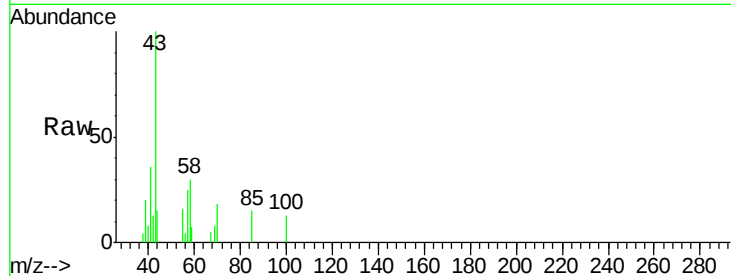
ClientSampleId :

Tot Ion: 43 Resp: 5260

Ion Ratio Lower Upper

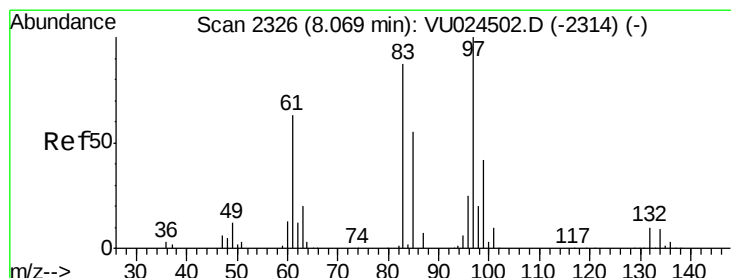
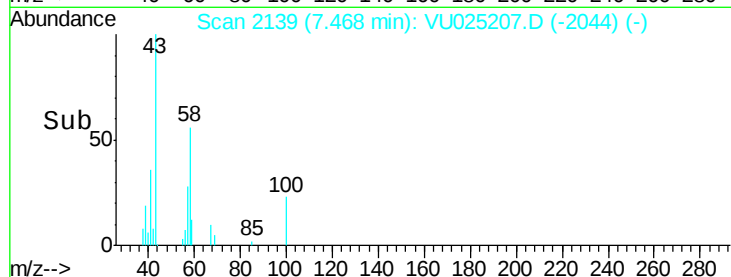
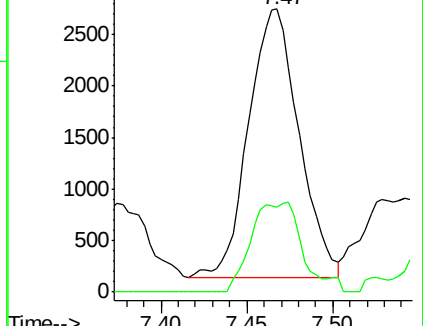
43 100

58 34.0 30.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-2120) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-2120) (-)



#55

1,1,2-Trichloroethane

Concen: 3.65 ug/l

RT: 8.05 min Scan# 2320

Delta R.T. -0.02 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Tgt Ion: 97 Resp: 10159

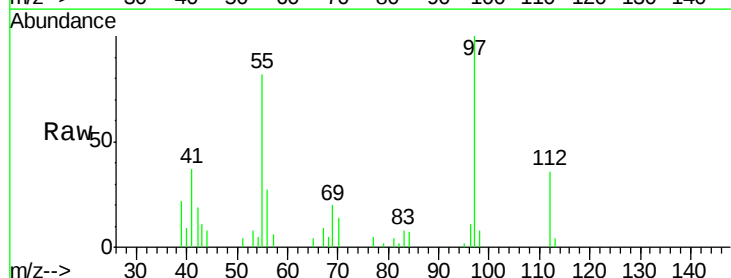
Ion Ratio Lower Upper

97 100

83 8.2 70.5 105.7#

85 0.0 46.4 69.6#

99 0.0 50.2 75.2#

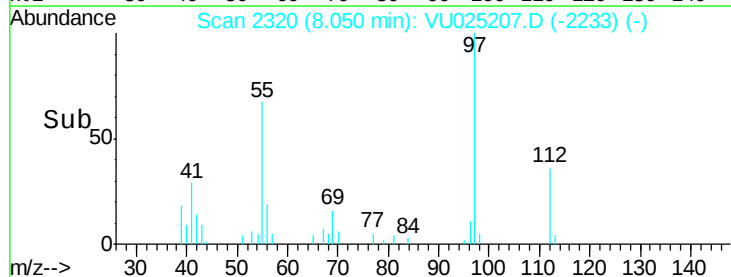
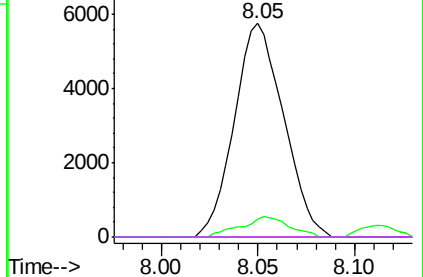


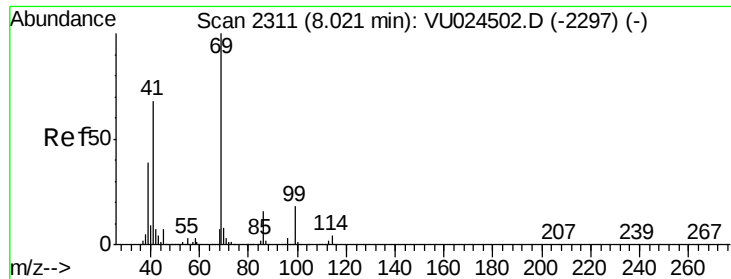
Abundance Ion 96.90 (96.60 to 97.60): VU024502.D (-2314) (-)

Ion 82.90 (82.60 to 83.60): VU024502.D (-2314) (-)

Ion 84.90 (84.60 to 85.60): VU024502.D (-2314) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-2314) (-)





#56

Ethyl methacrylate

Concen: 0.51 ug/l

RT: 8.05 min Scan# 2321

Delta R.T. 0.03 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

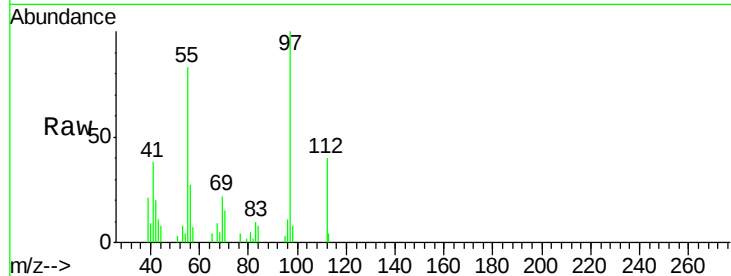
Tot Ion: 69 Resp: 2373

Ion Ratio Lower Upper

69 100

41 138.9 54.1 81.1#

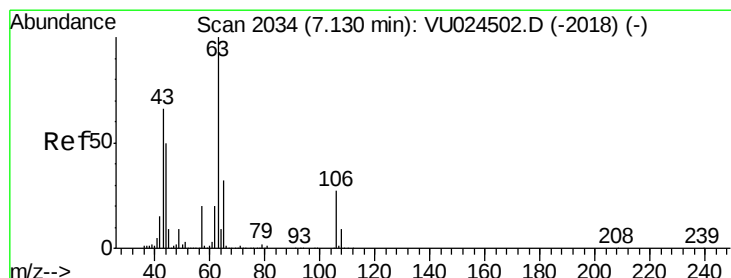
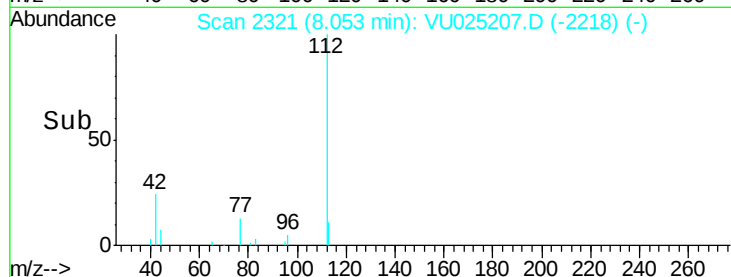
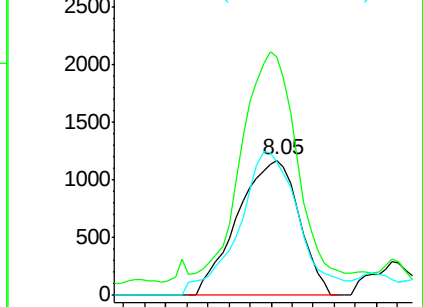
39 105.1 30.3 45.5#



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 0.33 ug/l

RT: 7.05 min Scan# 2009

Delta R.T. -0.08 min

Lab File: VU025207.D

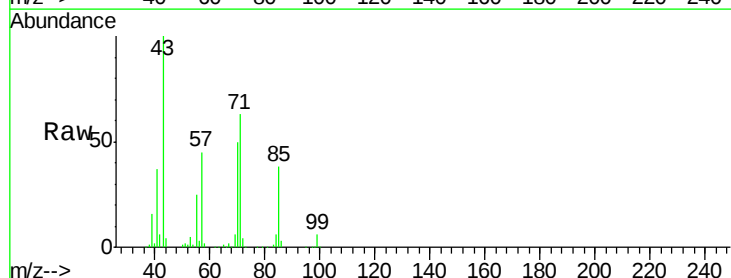
Acq: 05 Jul 2018 11:45

Tgt Ion: 63 Resp: 585

Ion Ratio Lower Upper

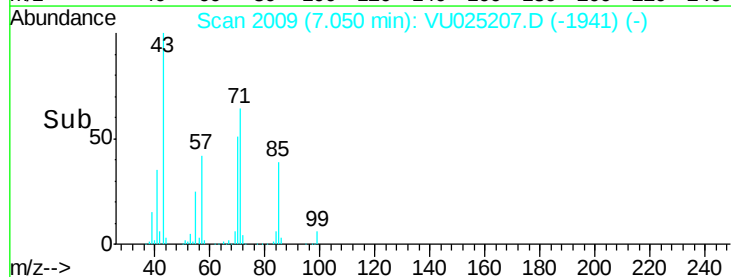
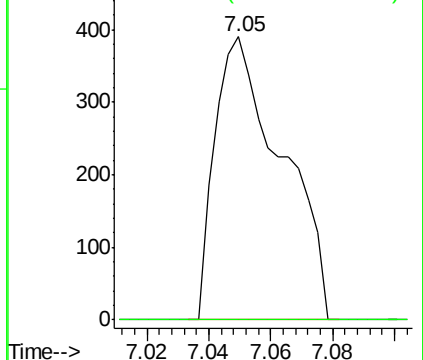
63 100

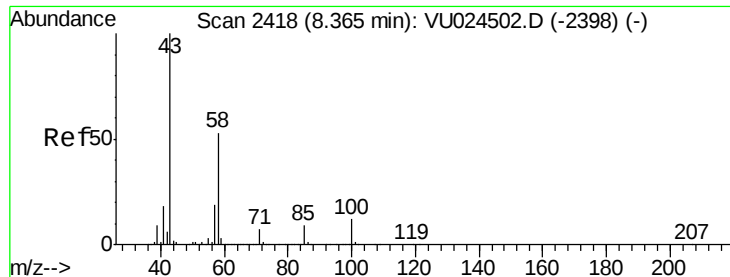
106 0.0 20.2 30.2#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

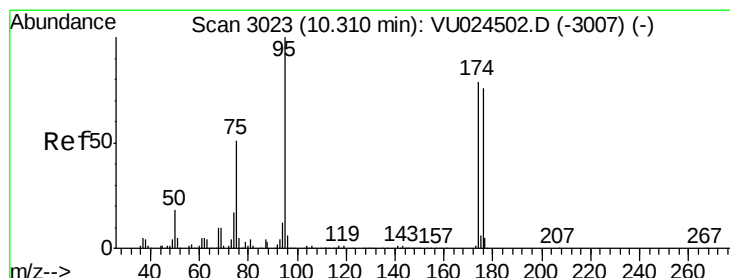
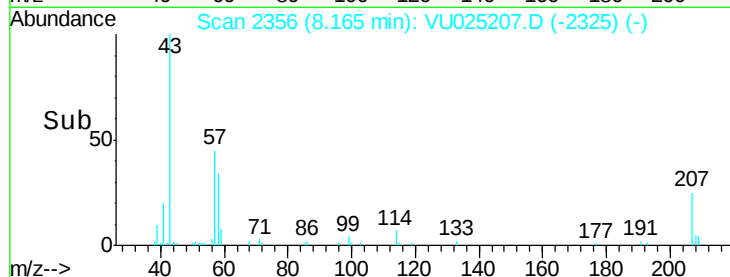
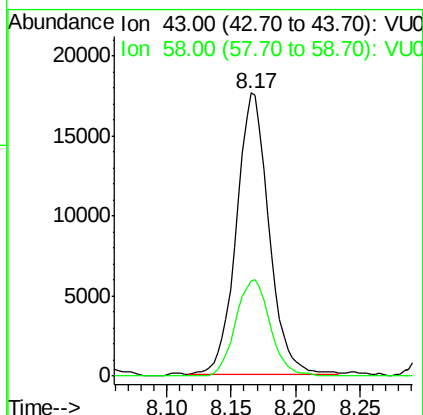
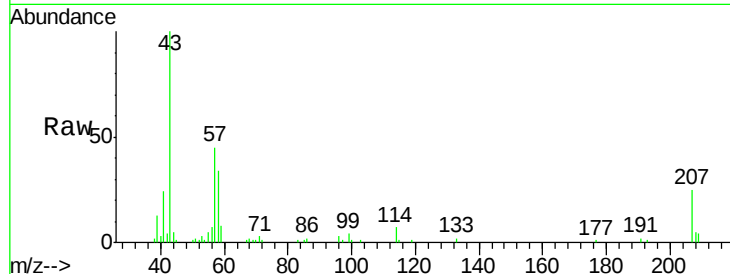




#59
2-Hexanone
Concen: 8.50 ug/l
RT: 8.17 min Scan# 2356
Delta R.T. -0.20 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

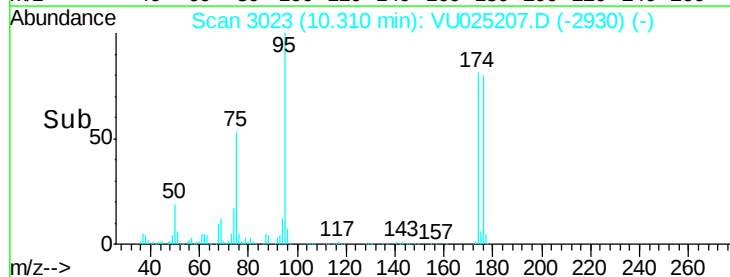
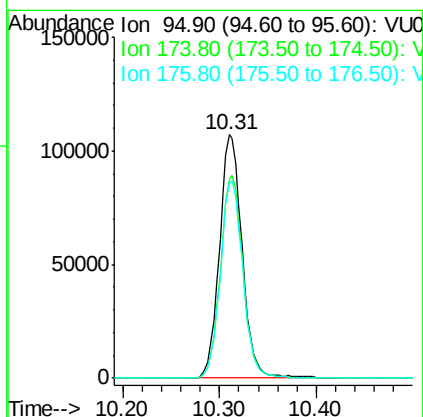
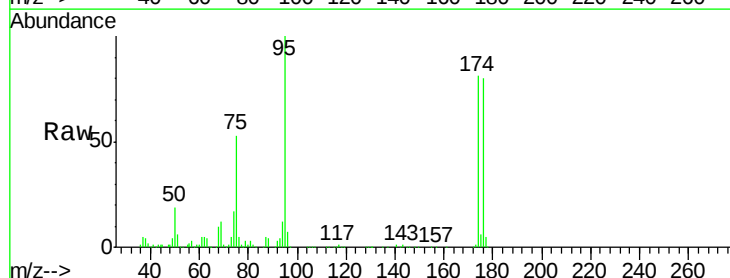
Instrument :
MSVOA_U
ClientSampleId :

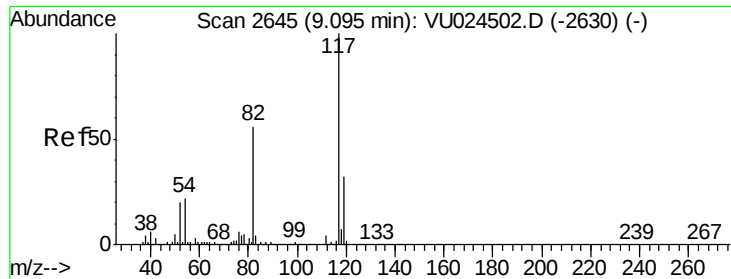
Tot Ion: 43 Resp: 30633
Ion Ratio Lower Upper
43 100
58 36.5 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 45.51 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Tgt Ion: 95 Resp: 173655
Ion Ratio Lower Upper
95 100
174 82.9 0.0 165.8
176 80.5 0.0 159.4

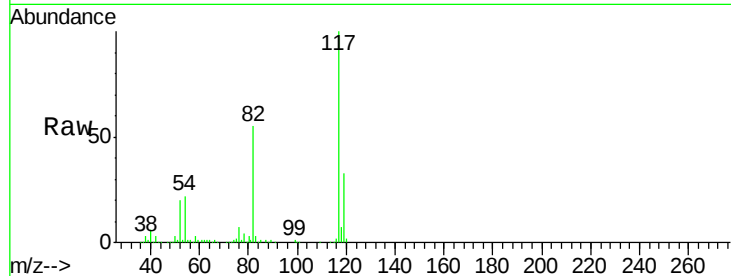




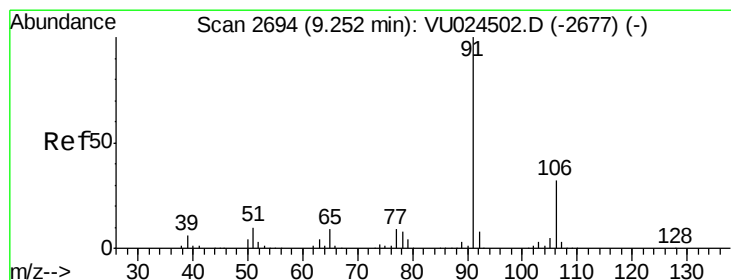
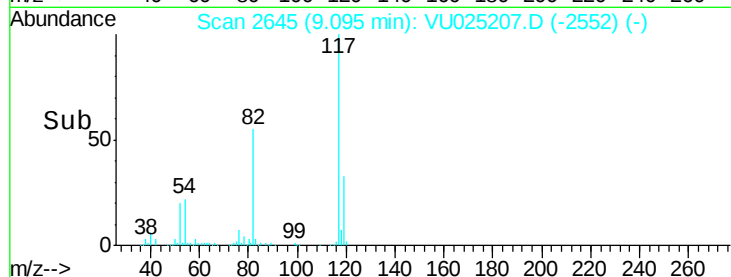
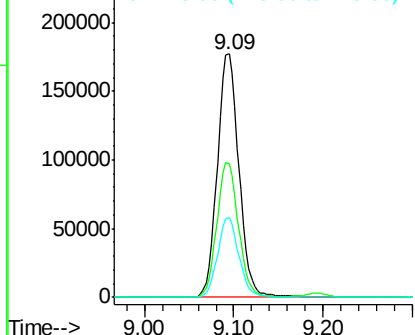
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 296885
Ion Ratio Lower Upper
117 100
82 54.7 44.3 66.5
119 32.6 25.4 38.2

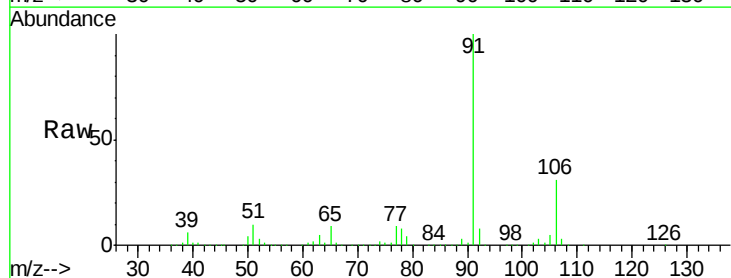


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

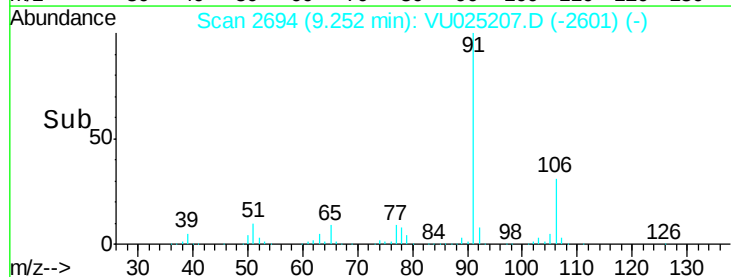
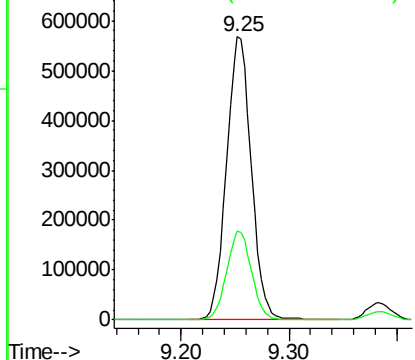


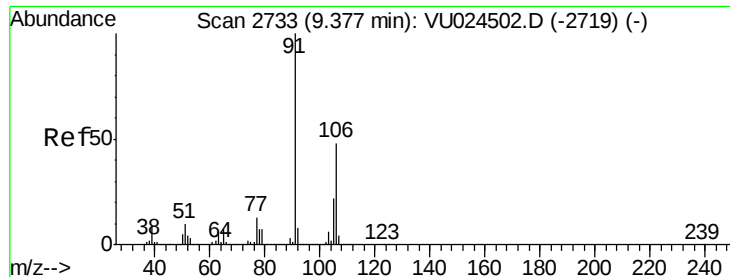
#67
Ethyl Benzene
Concen: 68.35 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Tgt Ion: 91 Resp: 908721
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.4



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

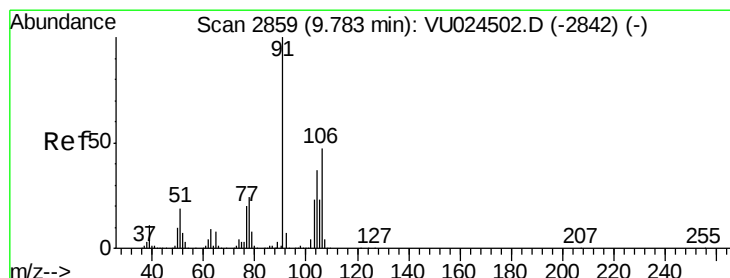
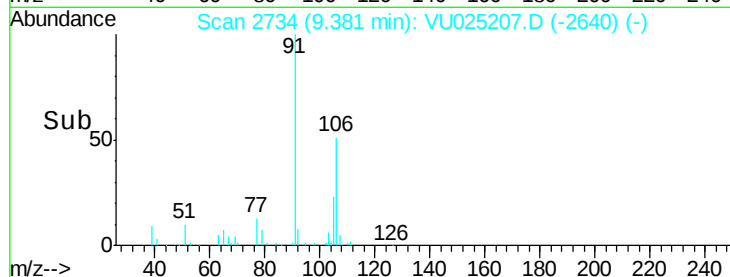
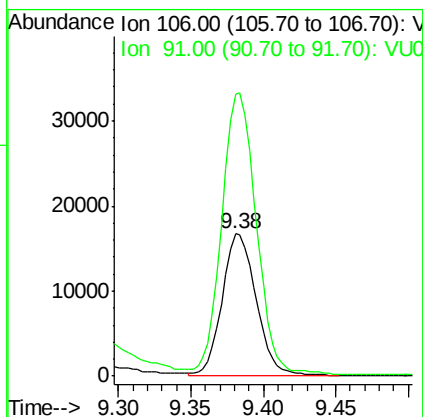
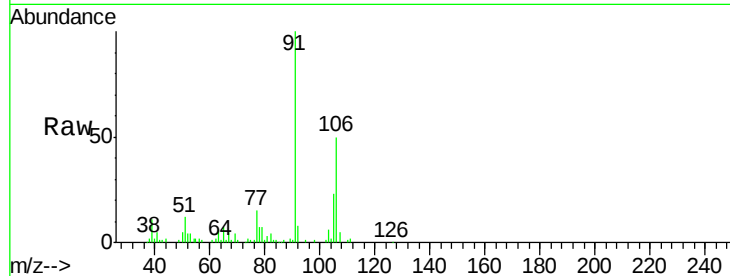




#68
m/p-Xylenes
Concen: 5.38 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

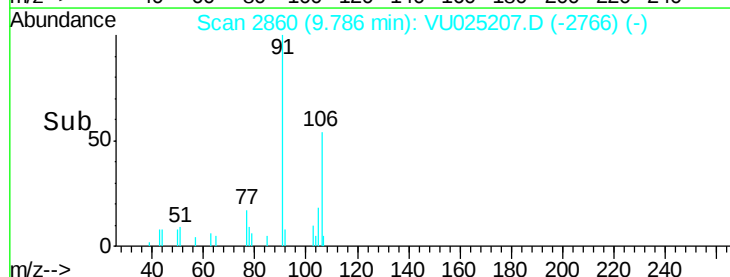
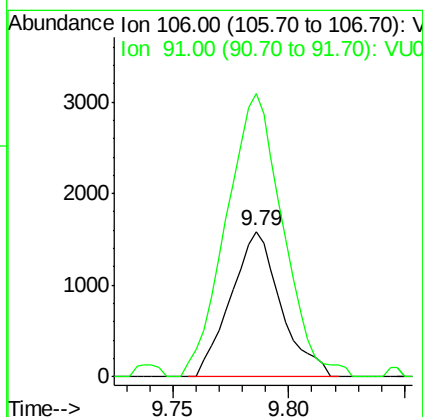
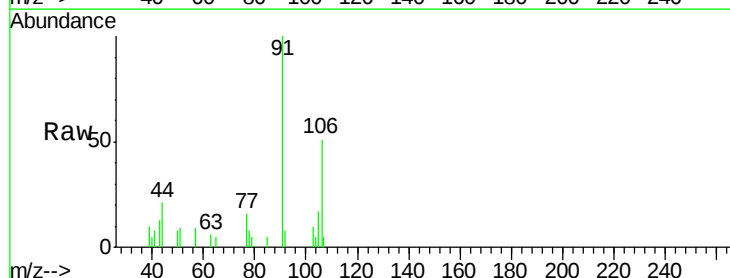
Instrument :
MSVOA_U
ClientSampleId :

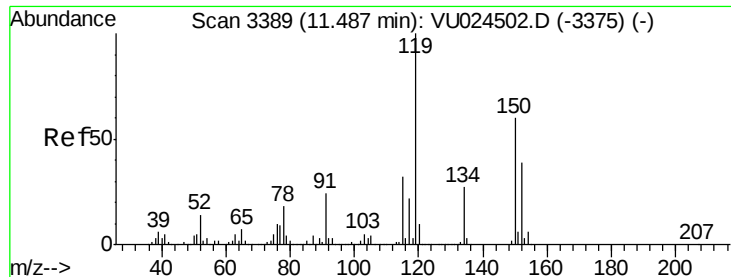
Tot Ion:106 Resp: 27488
Ion Ratio Lower Upper
106 100
91 200.3 166.5 249.7



#69
o-Xylene
Concen: 0.47 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025207.D
Acq: 05 Jul 2018 11:45

Tgt Ion:106 Resp: 2377
Ion Ratio Lower Upper
106 100
91 220.2 110.7 331.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

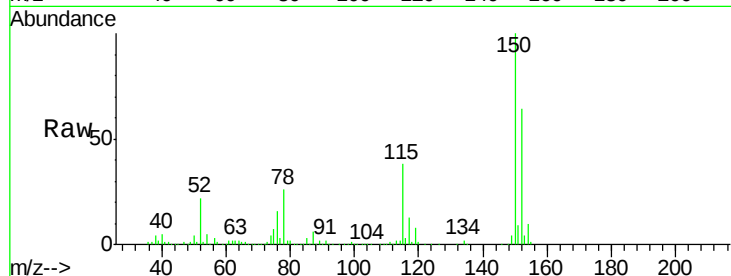
Tot Ion:152 Resp: 159502

Ion Ratio Lower Upper

152 100

115 59.1 43.0 129.0

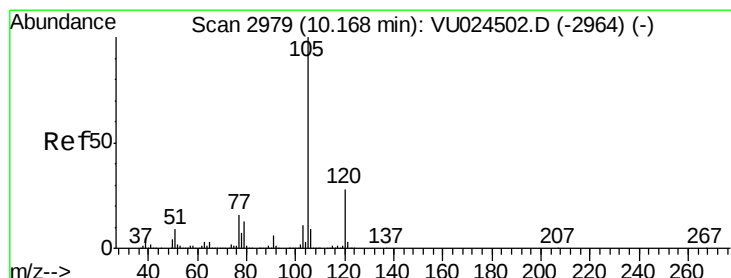
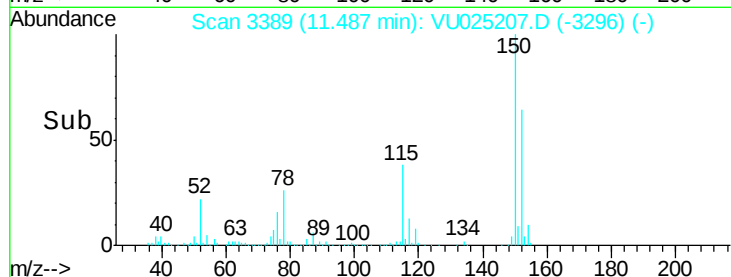
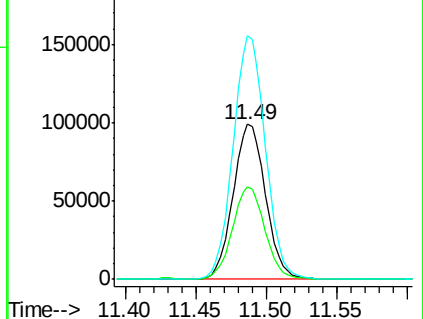
150 157.1 0.0 354.0



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



#73

Isopropylbenzene

Concen: 13.77 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025207.D

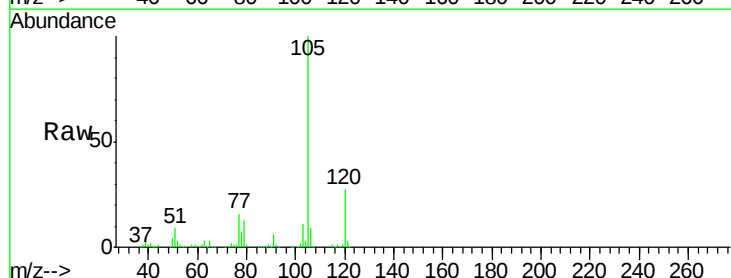
Acq: 05 Jul 2018 11:45

Tgt Ion:105 Resp: 168687

Ion Ratio Lower Upper

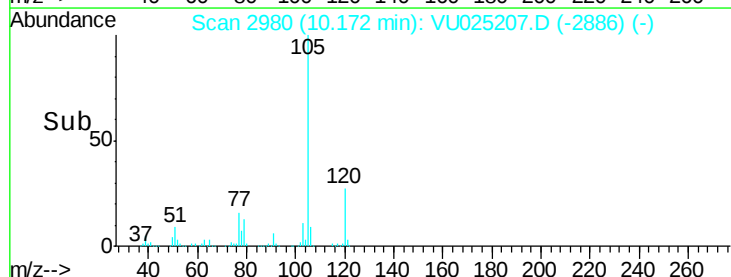
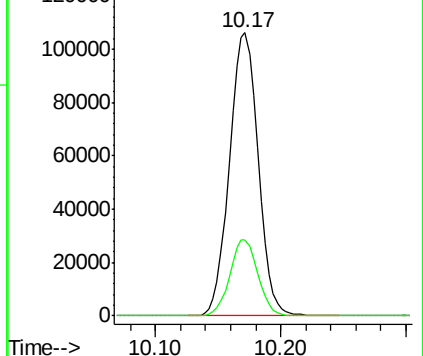
105 100

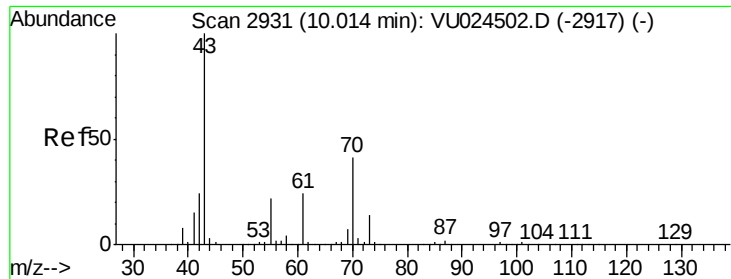
120 26.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.76 ug/l

RT: 10.08 min Scan# 2950

Delta R.T. 0.06 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 4453

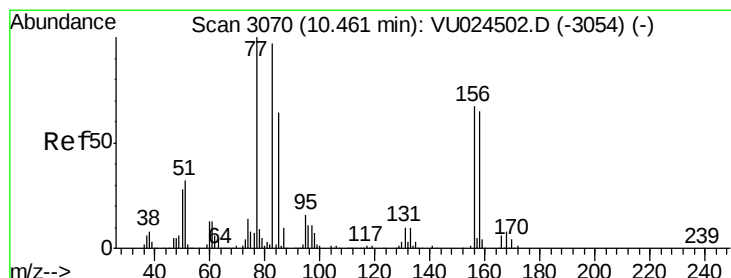
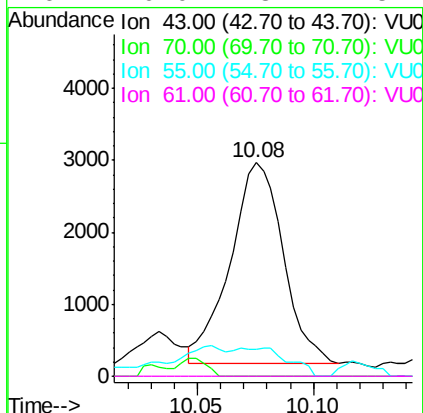
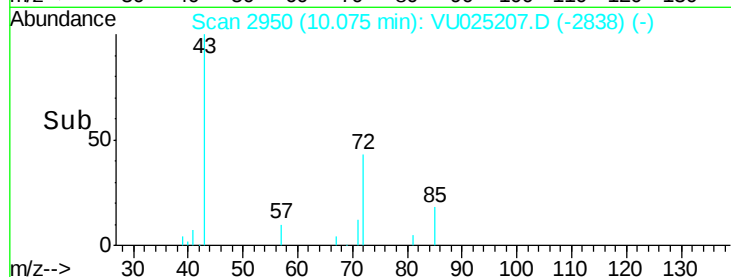
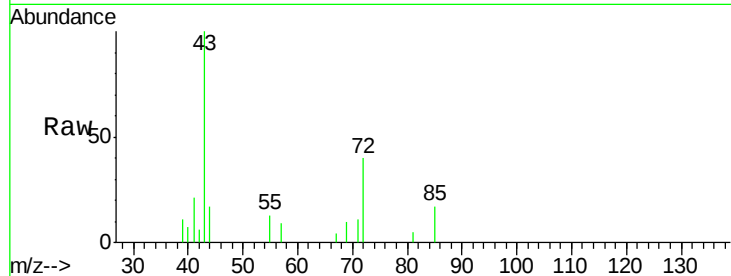
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 0.0 20.5 30.7#

61 0.0 18.7 28.1#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.34 ug/l

RT: 10.40 min Scan# 3051

Delta R.T. -0.06 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

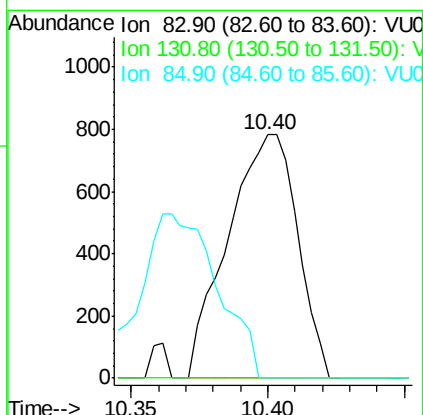
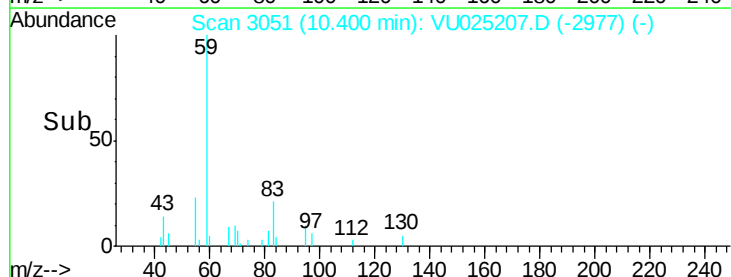
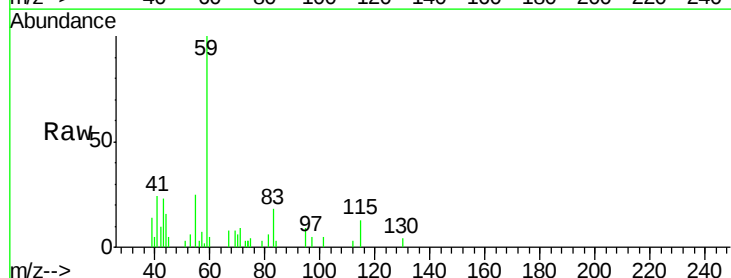
Tgt Ion: 83 Resp: 1387

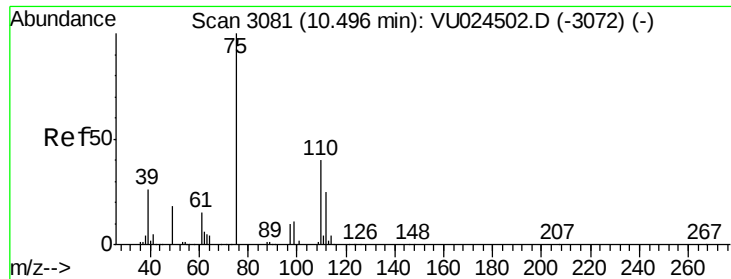
Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 0.0 32.5 97.5#

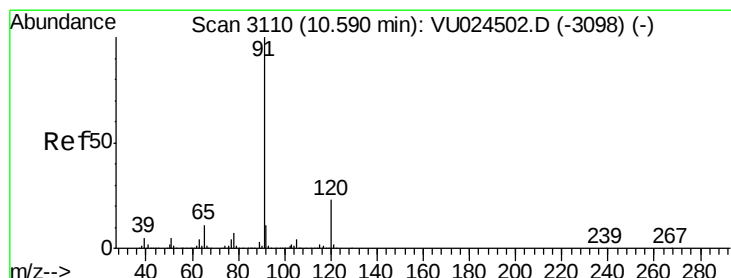
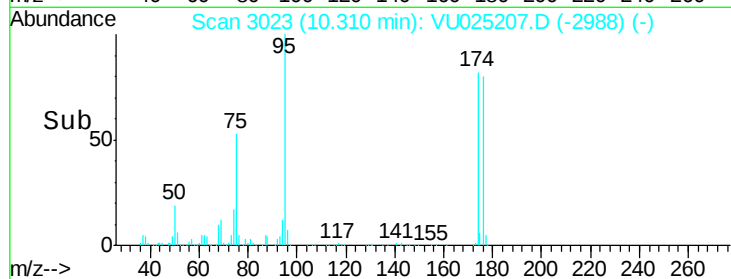
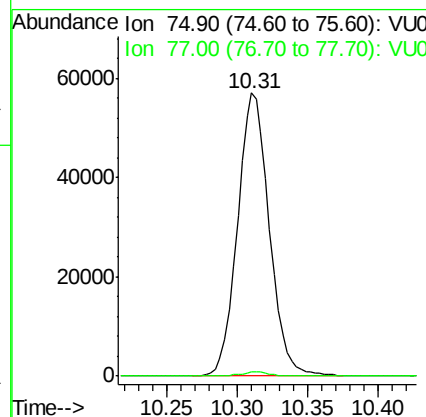
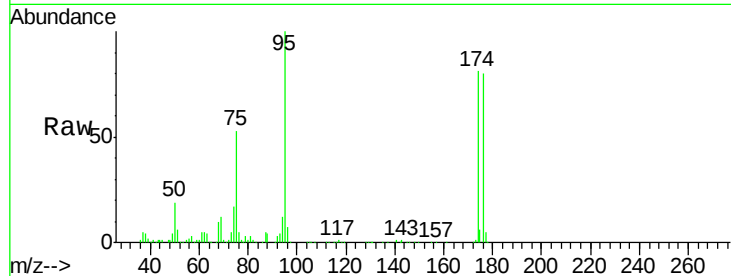




#76
 1,2,3-Trichloropropane
 Concen: 25.59 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025207.D
 Acq: 05 Jul 2018 11:45

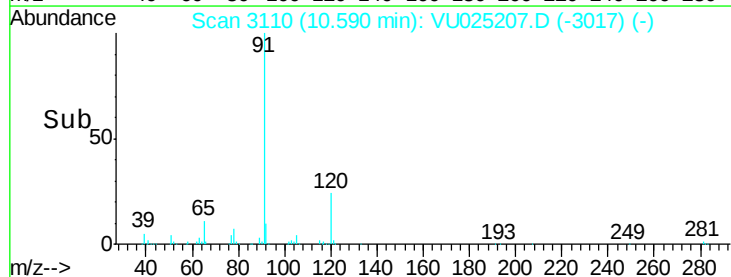
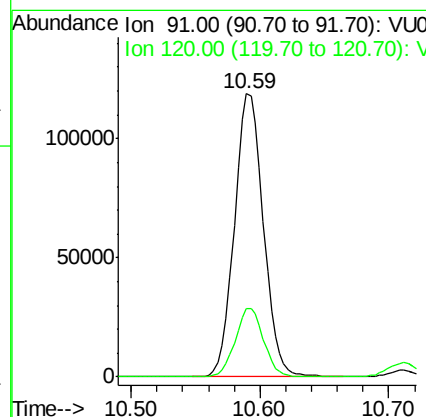
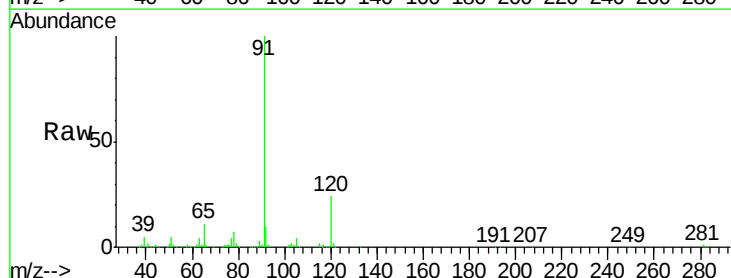
Instrument :
 MSVOA_U
 ClientSampleId :

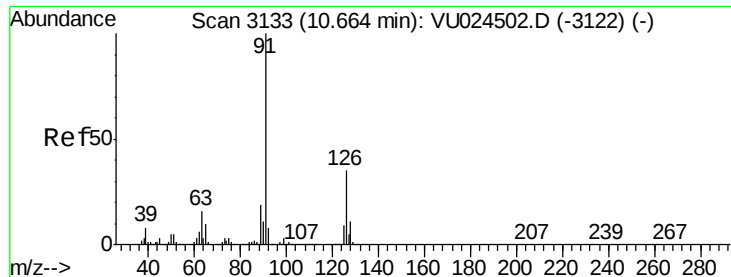
Tot Ion: 75 Resp: 89864
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.9 62.7#



#78
 n-propylbenzene
 Concen: 12.85 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. 0.00 min
 Lab File: VU025207.D
 Acq: 05 Jul 2018 11:45

Tgt Ion: 91 Resp: 185414
 Ion Ratio Lower Upper
 91 100
 120 23.5 11.2 33.5





#79

2-Chlorotoluene

Concen: 21.80 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.07 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

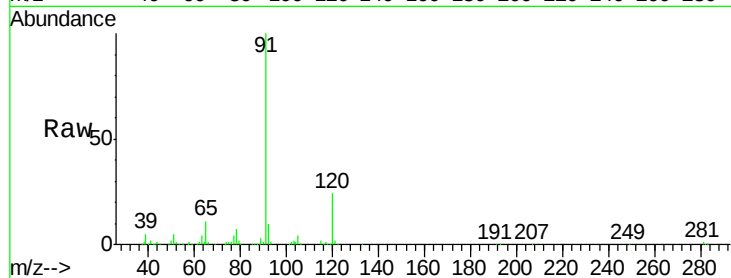
ClientSampled :

Tot Ion: 91 Resp: 185414

Ion Ratio Lower Upper

91 100

126 0.1 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VU025207.D (-3110) (-)

Ion 125.90 (125.60 to 126.60): VU025207.D (-3110) (-)

10.59

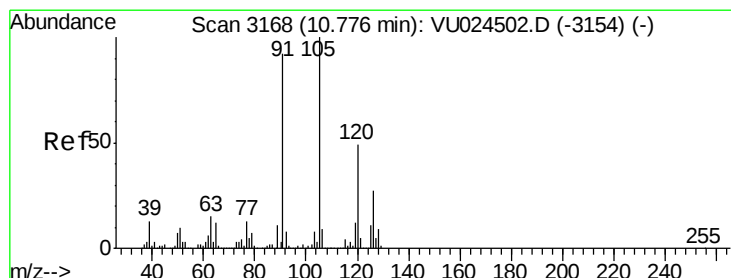
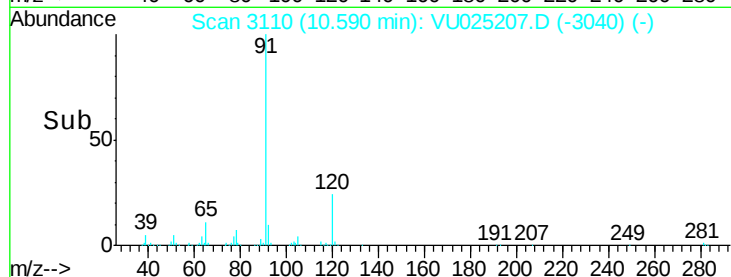
100000

50000

0

Time-->

10.50 10.60 10.70



#80

1,3,5-Trimethylbenzene

Concen: 2.34 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025207.D

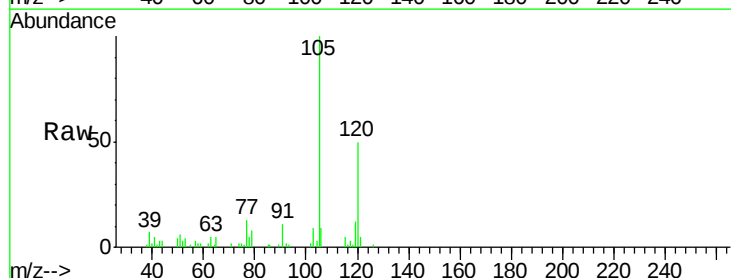
Acq: 05 Jul 2018 11:45

Tgt Ion:105 Resp: 24860

Ion Ratio Lower Upper

105 100

120 46.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025207.D (-3168) (-)

Ion 120.00 (119.70 to 120.70): VU025207.D (-3168) (-)

25000

20000

15000

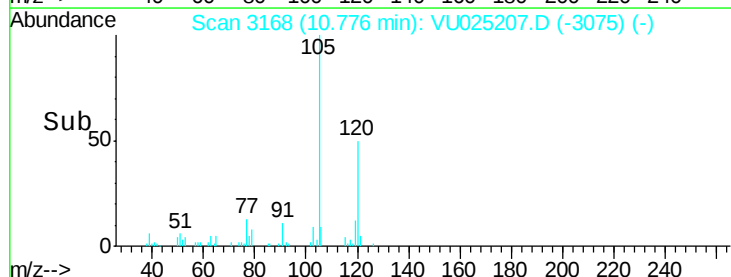
10000

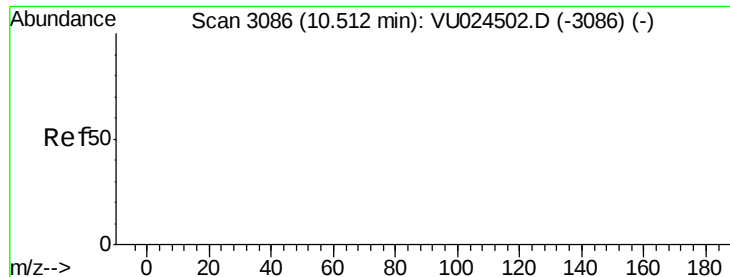
5000

0

Time-->

10.75 10.80 10.85





#81

trans-1,4-Dichloro-2-butene

Concen: 59.23 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

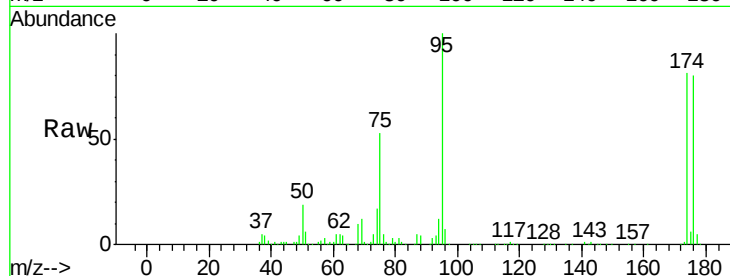
Tot Ion: 75 Resp: 89864

Ion Ratio Lower Upper

75 100

53 0.6 0.0 0.0#

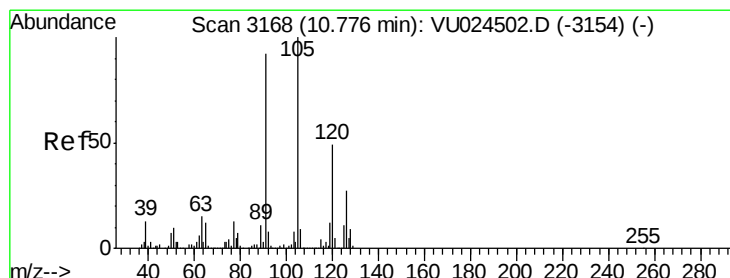
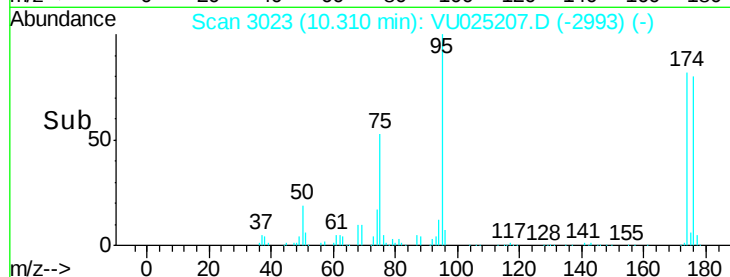
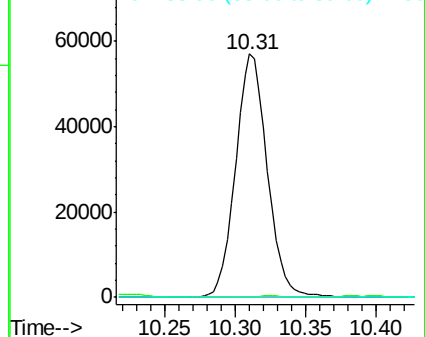
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#82

4-Chlorotoluene

Concen: 18.73 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.19 min

Lab File: VU025207.D

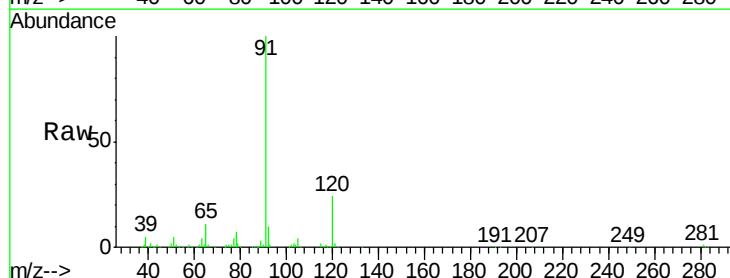
Acq: 05 Jul 2018 11:45

Tgt Ion: 91 Resp: 185414

Ion Ratio Lower Upper

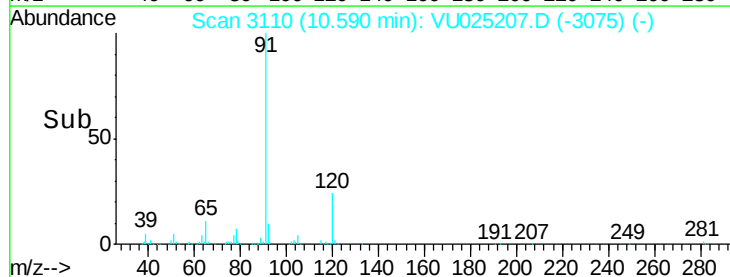
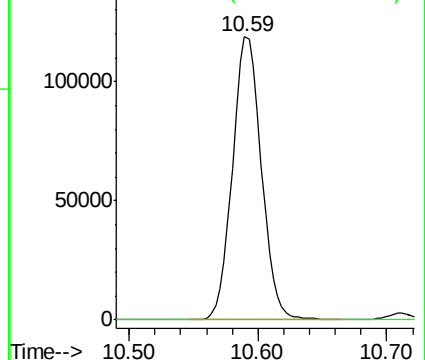
91 100

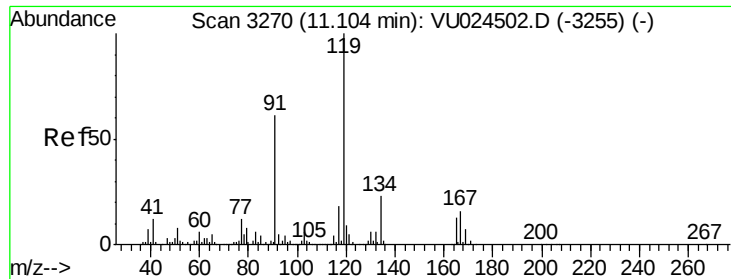
126 0.1 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3154) (-)

Ion 125.90 (125.60 to 126.60): VU024502.D (-3154) (-)





#83

tert-Butylbenzene

Concen: 0.44 ug/l

RT: 11.11 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

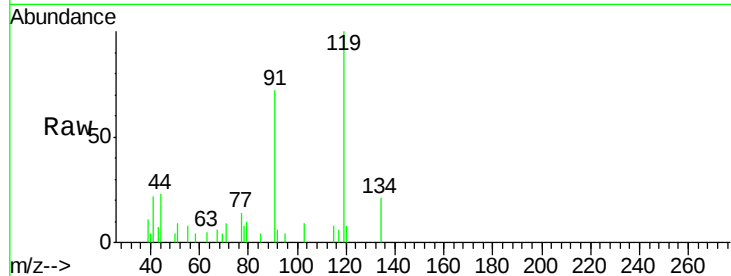
Tot Ion:119 Resp: 4455

Ion Ratio Lower Upper

119 100

91 79.3 29.7 89.1

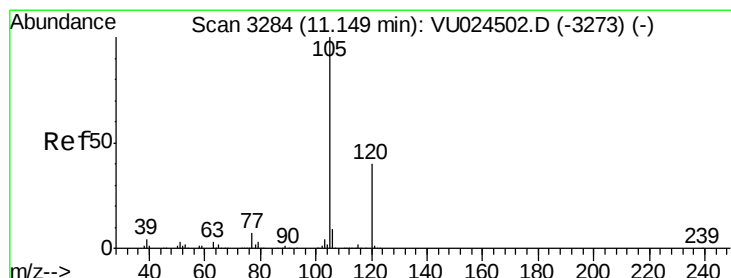
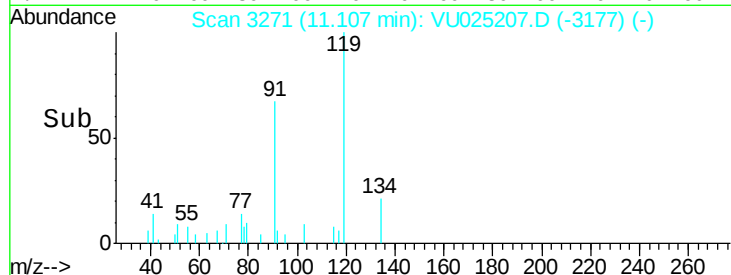
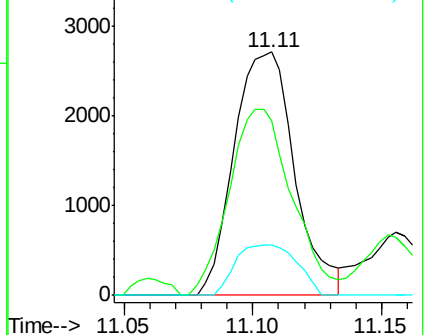
134 21.0 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.85 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025207.D

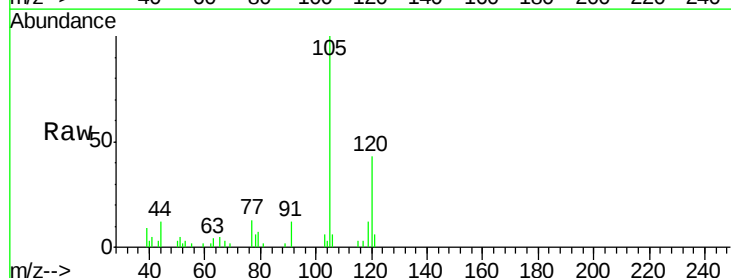
Acq: 05 Jul 2018 11:45

Tgt Ion:105 Resp: 9185

Ion Ratio Lower Upper

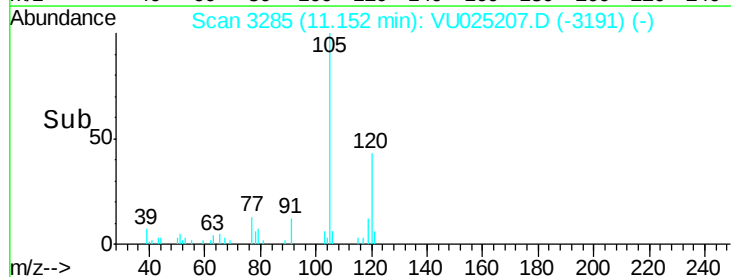
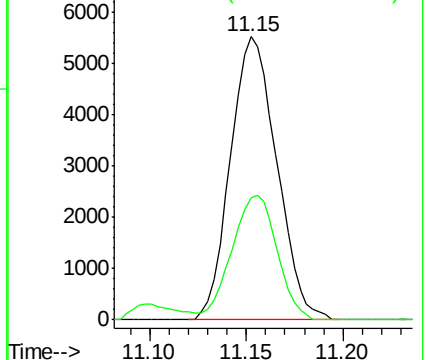
105 100

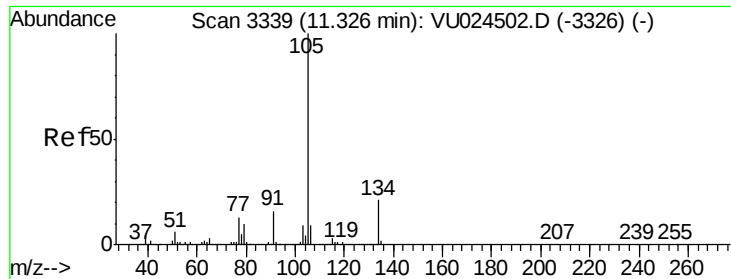
120 42.9 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.70 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

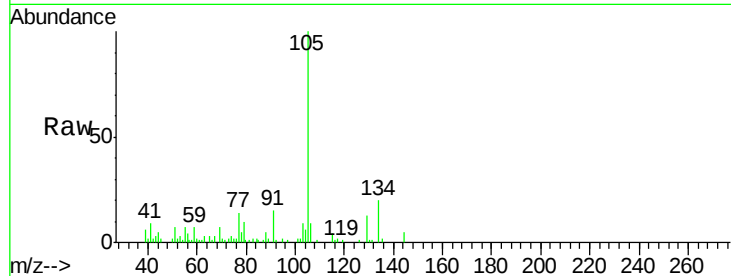
ClientSampleId :

Tot Ion:105 Resp: 21754

Ion Ratio Lower Upper

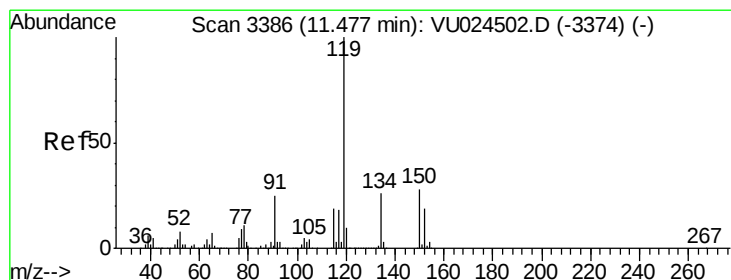
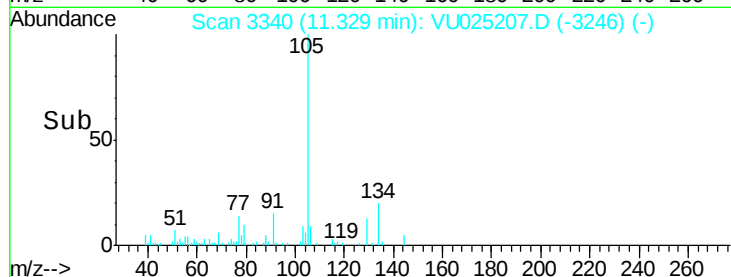
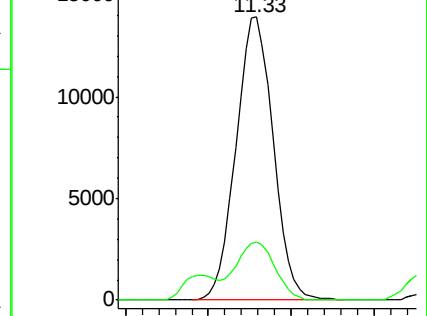
105 100

134 21.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.95 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

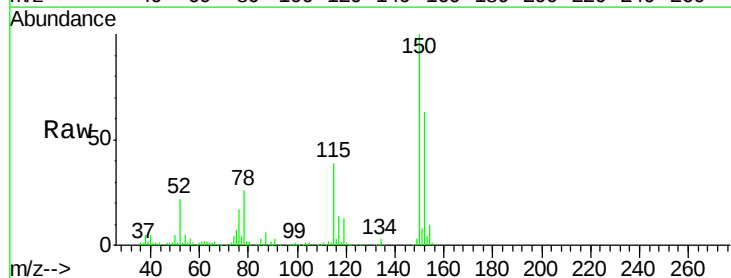
Tgt Ion:119 Resp: 22305

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

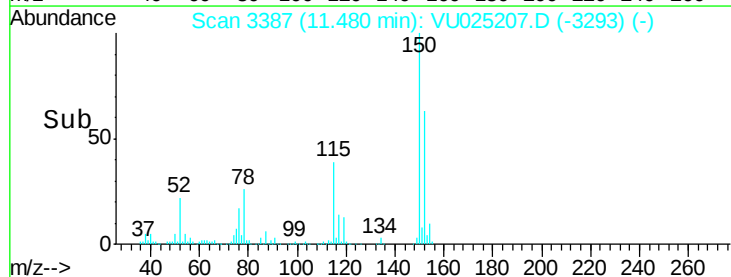
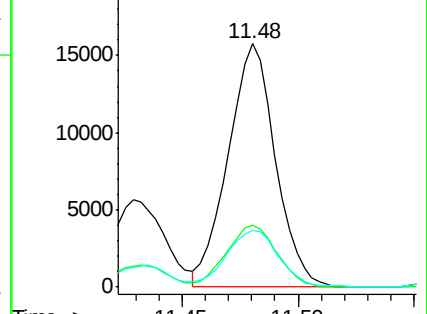
91 26.0 12.0 36.1

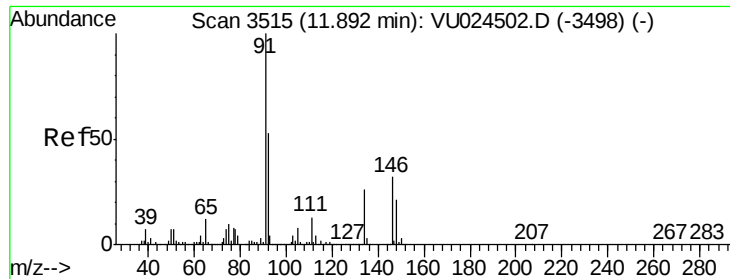


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#89

n-Butylbenzene

Concen: 0.99 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. -0.01 min

Lab File: VU025207.D

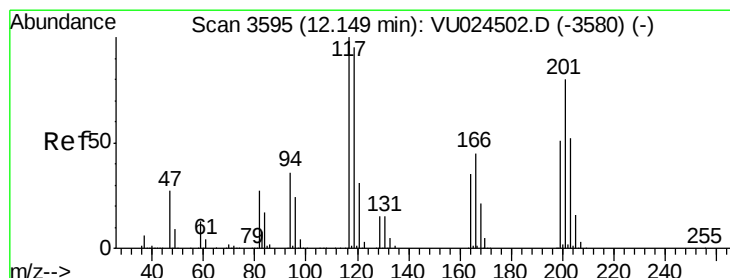
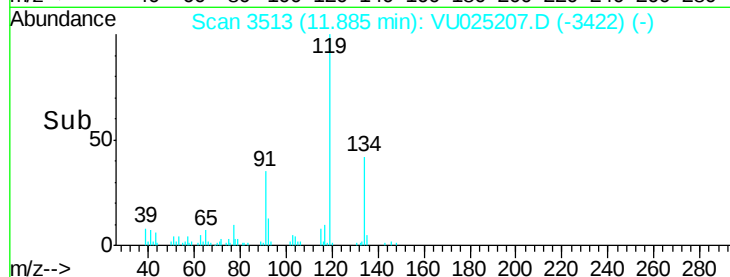
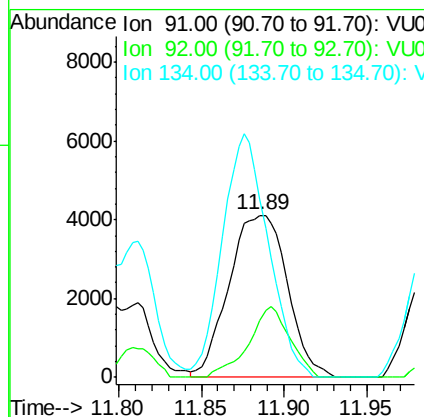
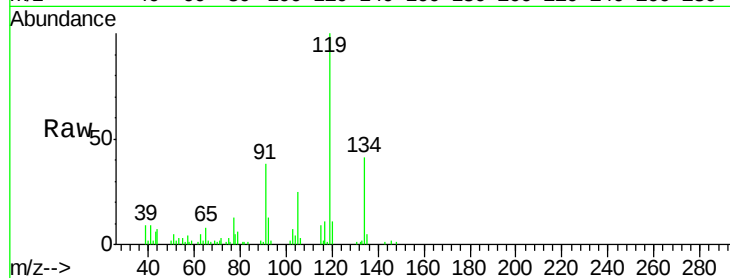
Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:	91	Resp:	10100
Ion	Ratio	Lower	Upper
91	100		
92	30.7	25.6	76.8
134	117.8	12.3	36.8#



#90

Hexachloroethane

Concen: 0.54 ug/l

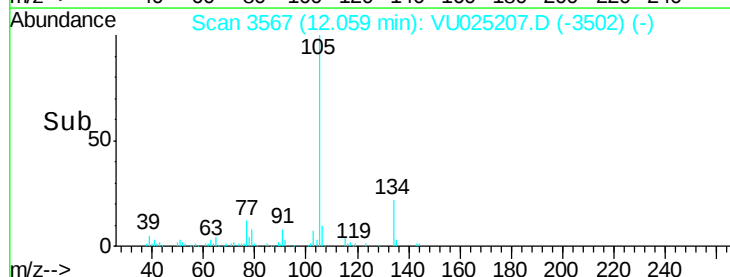
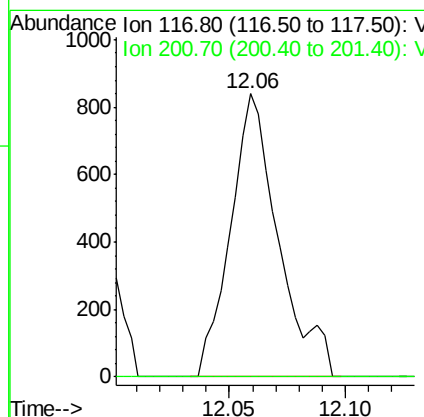
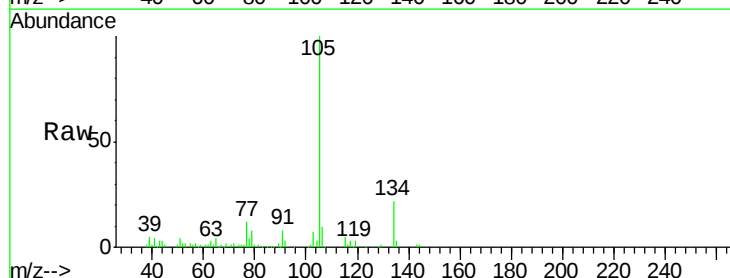
RT: 12.06 min Scan# 3567

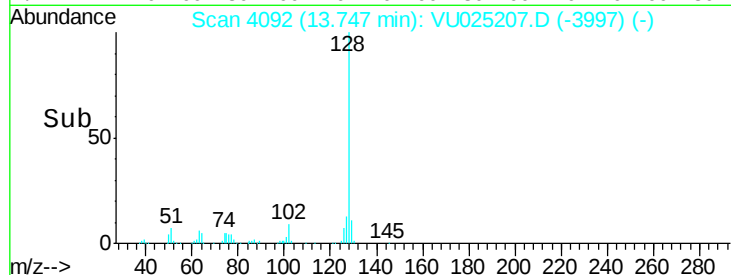
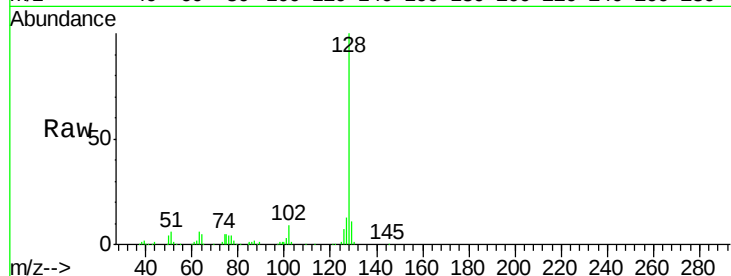
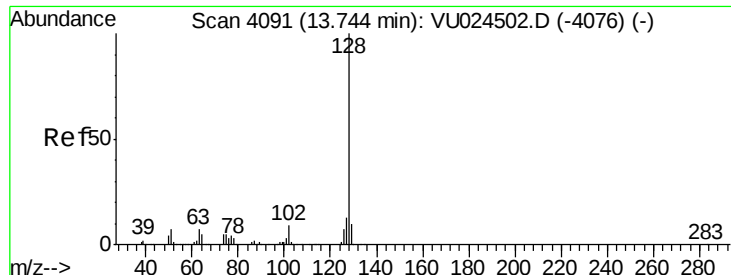
Delta R.T. -0.09 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Tgt Ion:	117	Resp:	1206
Ion	Ratio	Lower	Upper
117	100		
201	0.0	41.1	123.3#





#95

Naphthalene

Concen: 16.54 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025207.D

Acq: 05 Jul 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 188527

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

129 11.0 8.6 12.8

