

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024544.D
 Acq On : 14 Jun 2018 16:53
 Operator : MD/SY
 Sample : J3443-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:36:48 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	178302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304325	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	296386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	178185	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	137169	47.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.24%	
35) Dibromofluoromethane	4.89	113	124052	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
50) Toluene-d8	7.57	98	454821	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	10.31	95	175635	48.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	485	0.213	ug/l #	42
6) Chloroethane	1.75	64	980	Below Cal	#	51
8) Diethyl Ether	2.17	74	81	Below Cal		59
10) Methyl Iodide	2.21	142	64	5.319	ug/l #	2
11) Tert butyl alcohol	2.82	59	3872	5.469	ug/l #	72
13) Acrolein	2.18	56	2606	7.010	ug/l #	1
14) Allyl chloride	2.71	41	9219	2.446	ug/l #	68
15) Acrylonitrile	3.00	53	2711	1.968	ug/l #	32
16) Acetone	2.32	43	21701	13.876	ug/l	99
17) Carbon Disulfide	2.48	76	1513	0.233	ug/l #	75
18) Methyl Acetate	2.63	43	1121	0.334	ug/l #	53
19) Methyl tert-butyl Ether	3.00	73	98854	12.953	ug/l #	19
20) Methylene Chloride	2.66	84	930	0.379	ug/l #	11
23) Vinyl Acetate	3.56	43	3825	0.571	ug/l #	73
24) 1,1-Dichloroethane	3.57	63	1252	0.291	ug/l #	69
25) 2-Butanone	4.28	43	3780	1.799	ug/l	96
27) cis-1,2-Dichloroethene	4.24	96	777	0.302	ug/l	38
28) Bromochloromethane	4.79	49	1117	0.590	ug/l #	16
31) Cyclohexane	5.00	56	100064	25.234	ug/l	96
36) 1,1-Dichloropropene	4.99	75	12779	3.573	ug/l #	51
37) Ethyl Acetate	4.28	43	3780	0.970	ug/l #	76
38) Carbon Tetrachloride	4.99	117	16735	4.256	ug/l #	16
39) Methylcyclohexane	6.42	83	56128	12.577	ug/l	97
40) Benzene	5.40	78	232488	22.816	ug/l	98
41) Methacrylonitrile	4.57	41	905	0.431	ug/l #	24
42) 1,2-Dichloroethane	5.39	62	2030	0.523	ug/l #	77
45) 1,2-Dichloropropane	6.42	63	619	0.228	ug/l #	1
48) Methyl methacrylate	6.64	41	6323	1.927	ug/l #	49
52) Toluene	7.64	92	28457	4.341	ug/l	99
53) t-1,3-Dichloropropene	7.64	75	1034	0.242	ug/l #	76
55) 1,1,2-Trichloroethane	8.05	97	6512	2.444	ug/l #	18
56) Ethyl methacrylate	8.05	69	1484	0.333	ug/l #	14
67) Ethyl Benzene	9.26	91	14550	1.096	ug/l	95
68) m/p-Xylenes	9.38	106	101072	19.830	ug/l	96

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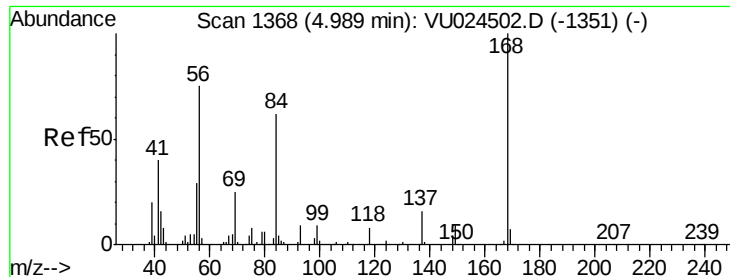
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:36:48 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) o-Xylene	9.78	106	6978	1.383	ug/l	88
73) Isopropylbenzene	10.17	105	701927	51.309	ug/l	98
76) 1,2,3-Trichloropropane	10.59	75	9056	2.308	ug/l #	1
78) n-propylbenzene	10.59	91	1506918	93.509	ug/l	98
79) 2-Chlorotoluene	10.59	91	1506918	158.566	ug/l #	41
80) 1,3,5-Trimethylbenzene	10.71	105	58818	4.960	ug/l	74
81) trans-1,4-Dichloro-2-buten	10.59	75	9056	5.343	ug/l #	100
82) 4-Chlorotoluene	10.59	91	1506918	136.236	ug/l #	45
83) tert-Butylbenzene	11.10	119	35122	3.079	ug/l	92
84) 1,2,4-Trimethylbenzene	11.15	105	15986	1.323	ug/l	98
85) sec-Butylbenzene	11.33	105	180460	12.640	ug/l	99
86) p-Isopropyltoluene	11.69	119	79599	6.225	ug/l	96
89) n-Butylbenzene	11.89	91	107307	9.452	ug/l #	78
90) Hexachloroethane	12.26	117	54269	21.756	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	12.65	75	3112	2.460	ug/l #	3
95) Naphthalene	13.75	128	49111	4.377	ug/l #	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

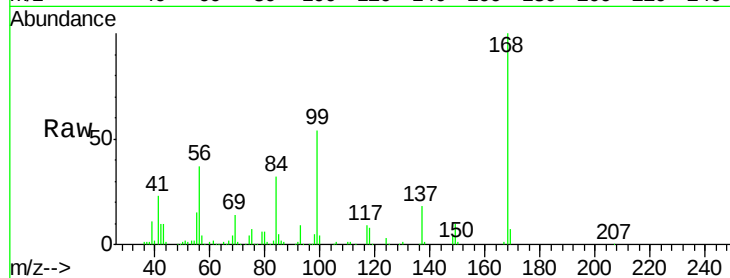
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 178302

Ion Ratio Lower Upper

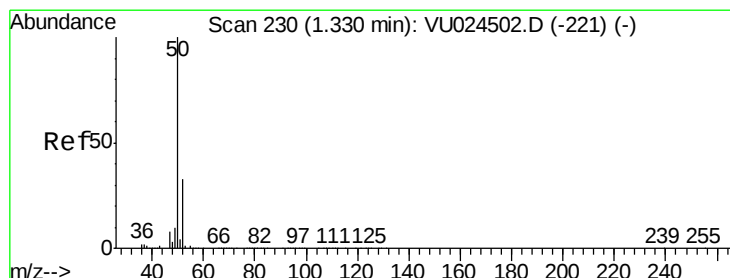
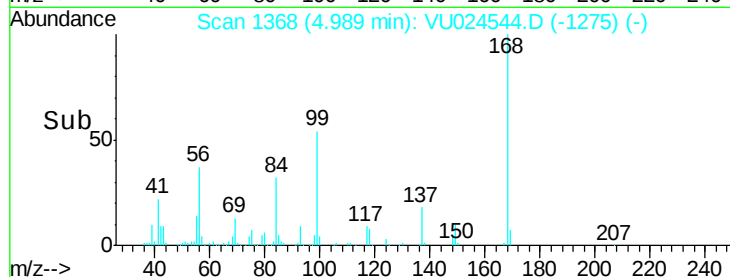
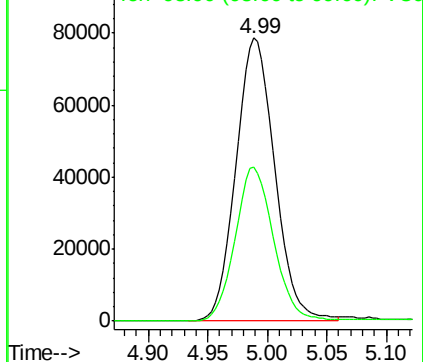
168 100

99 54.3 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D



#3

Chloromethane

Concen: 0.213 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024544.D

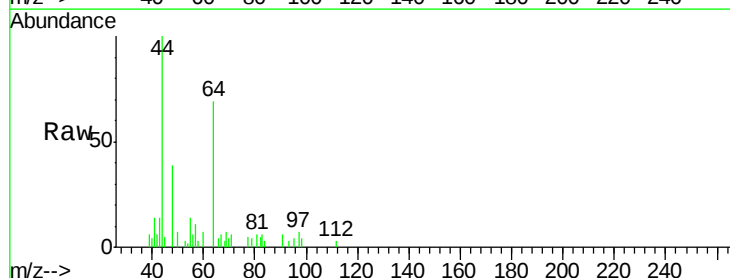
Acq: 14 Jun 2018 16:53

Tgt Ion: 50 Resp: 485

Ion Ratio Lower Upper

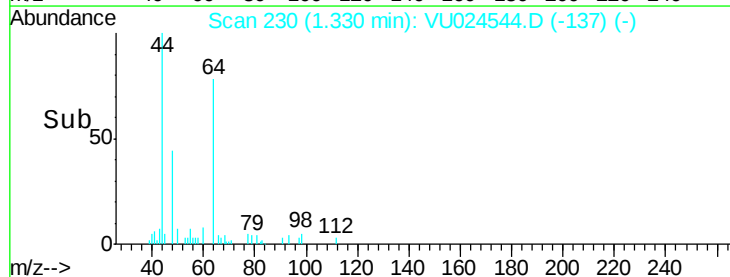
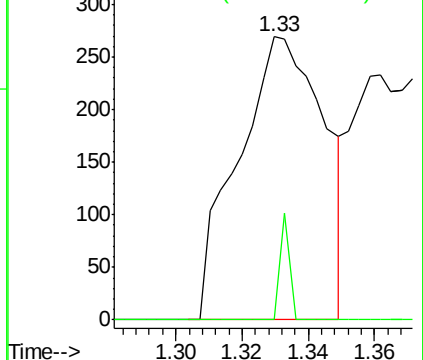
50 100

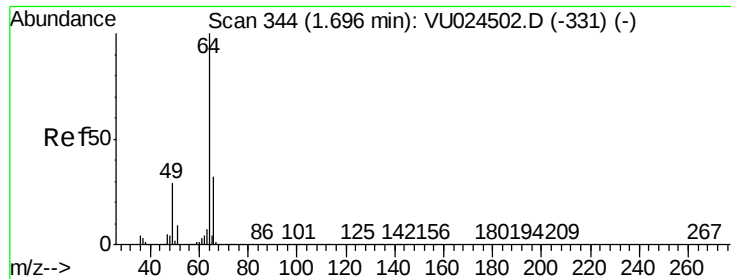
52 0.0 26.4 39.6#



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

Ion 51.90 (51.60 to 52.60): VU024502.D





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 362

Delta R.T. 0.06 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

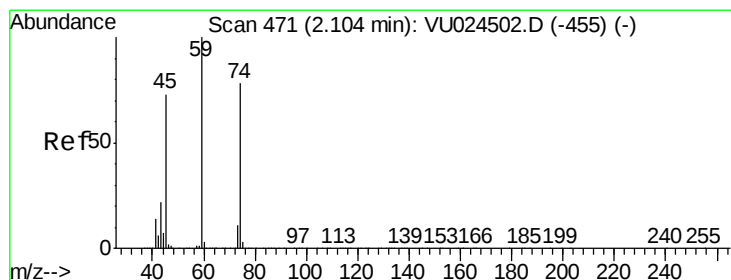
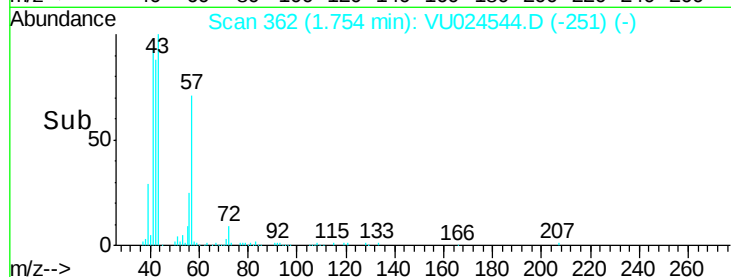
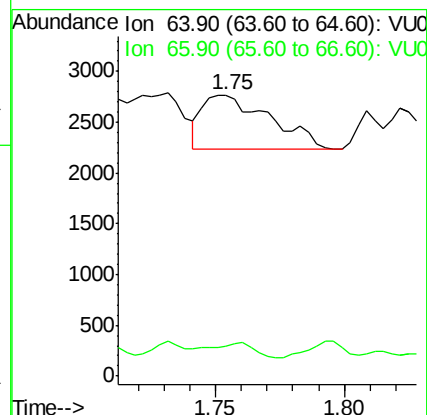
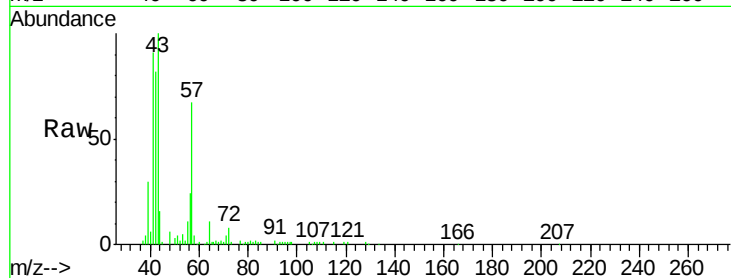
ClientSampled :

Tot Ion: 64 Resp: 980

Ion Ratio Lower Upper

64 100

66 4.7 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 492

Delta R.T. 0.07 min

Lab File: VU024544.D

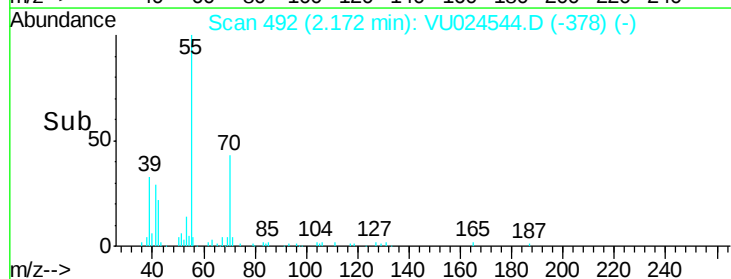
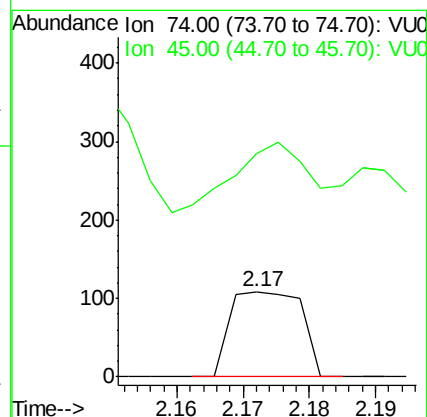
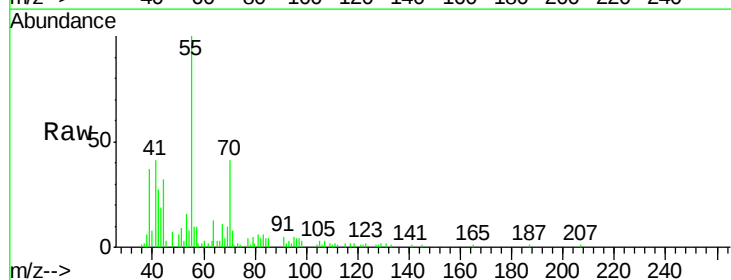
Acq: 14 Jun 2018 16:53

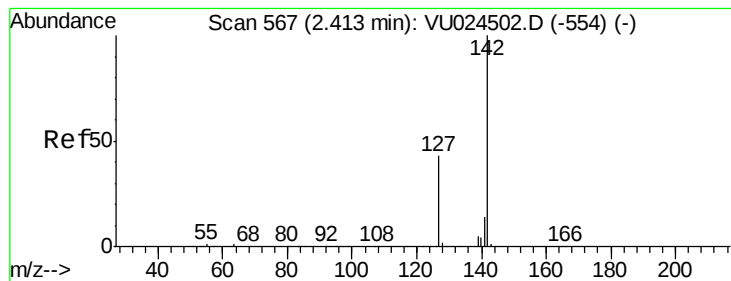
Tgt Ion: 74 Resp: 81

Ion Ratio Lower Upper

74 100

45 66.7 55.0 165.0





#10

Methvl Iodide

Concen: 5.319 ug/l

RT: 2.21 min Scan# 503

Delta R.T. -0.21 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

ClientSampleId :

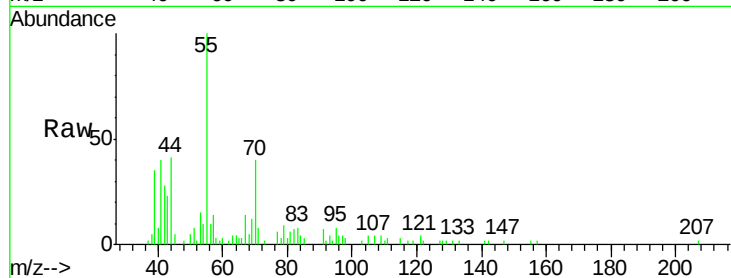
Tot Ion:142 Resp: 64

Ion Ratio Lower Upper

142 100

127 103.1 35.6 53.4#

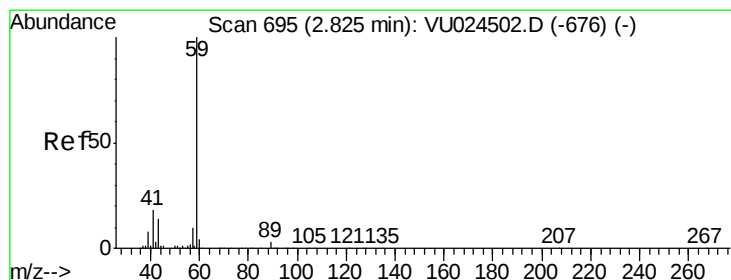
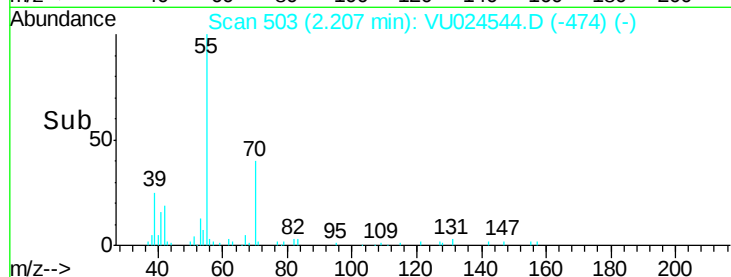
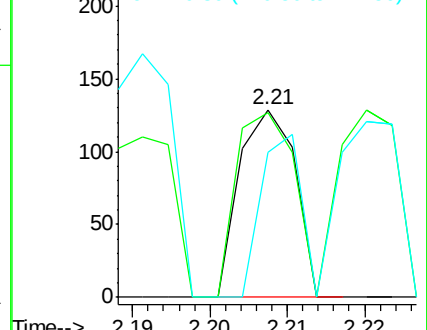
141 64.1 11.7 17.5#



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: 5.469 ug/l

RT: 2.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VU024544.D

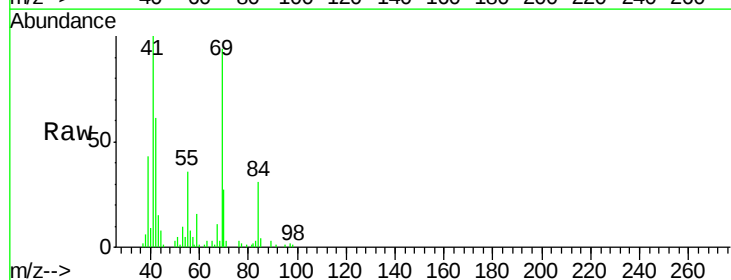
Acq: 14 Jun 2018 16:53

Tgt Ion: 59 Resp: 3872

Ion Ratio Lower Upper

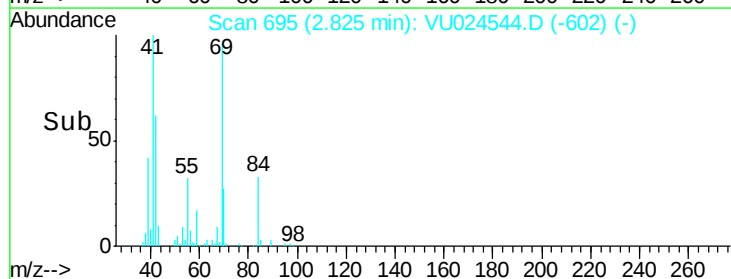
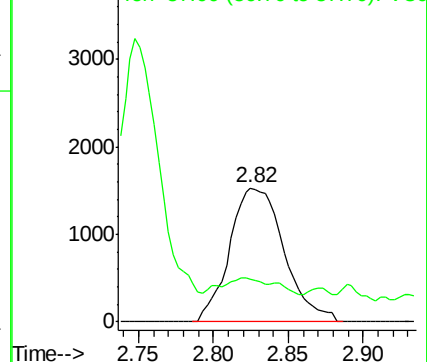
59 100

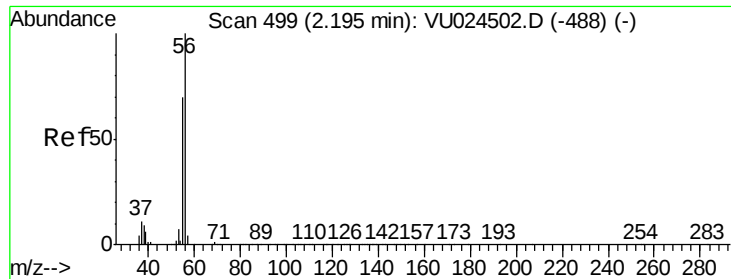
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 7.010 ug/l

RT: 2.18 min Scan# 496

Delta R.T. -0.01 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

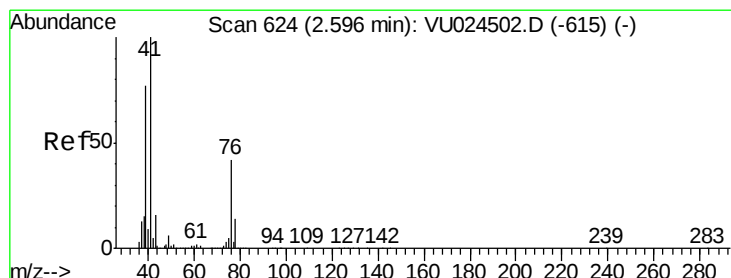
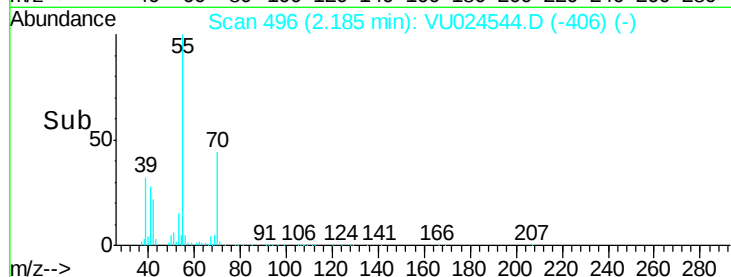
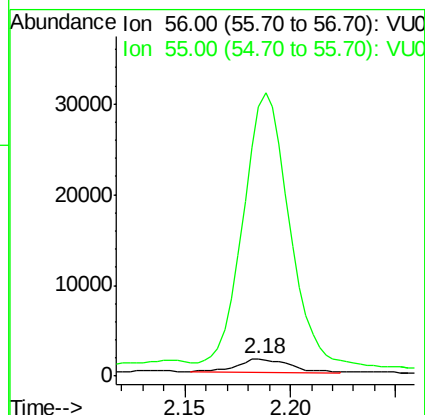
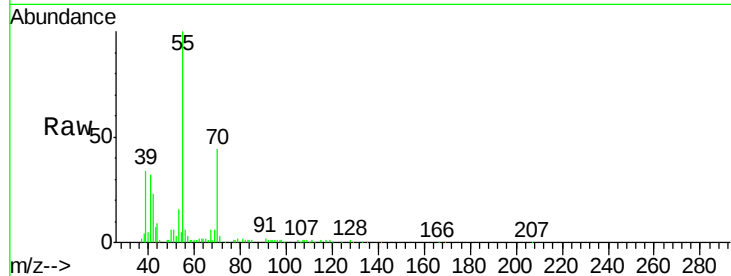
ClientSampleId :

Tot Ion: 56 Resp: 2606

Ion Ratio Lower Upper

56 100

55 1782.0 58.4 87.6#



#14

Allyl chloride

Concen: 2.446 ug/l

RT: 2.71 min Scan# 660

Delta R.T. 0.12 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

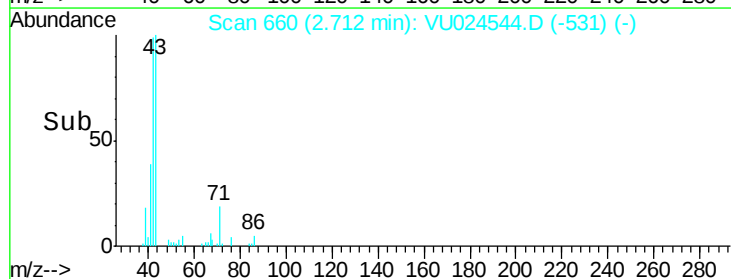
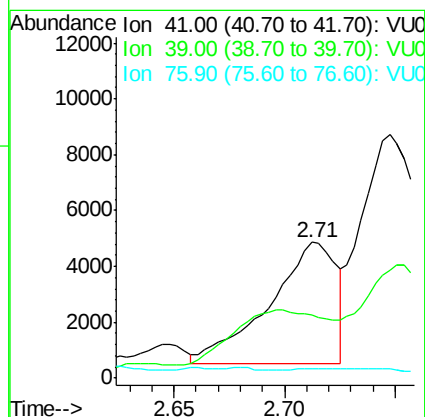
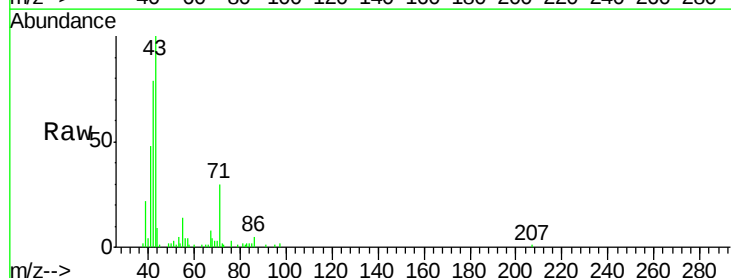
Tgt Ion: 41 Resp: 9219

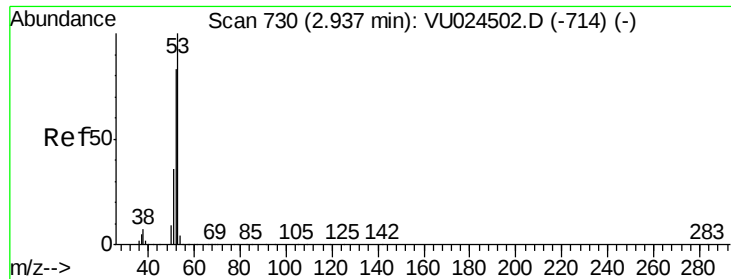
Ion Ratio Lower Upper

41 100

39 61.9 61.6 92.4

76 0.0 29.7 44.5#





#15

Acrylonitrile

Concen: 1.968 ug/l

RT: 3.00 min Scan# 751

Delta R.T. 0.07 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

ClientSampleId :

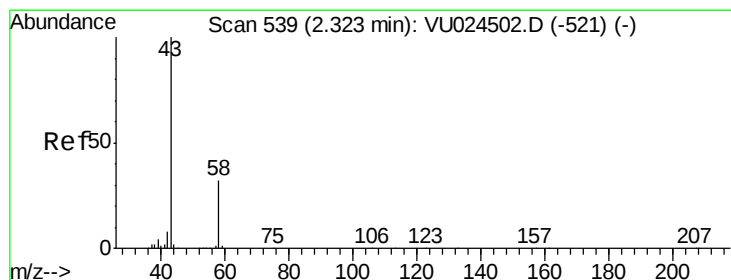
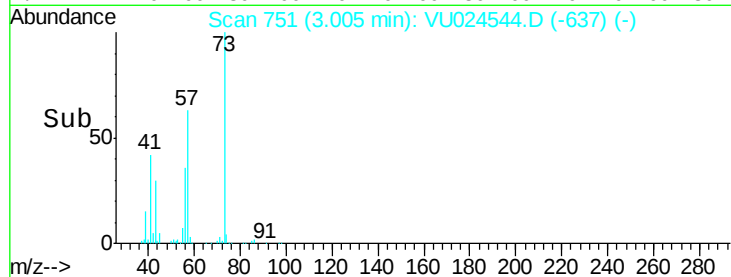
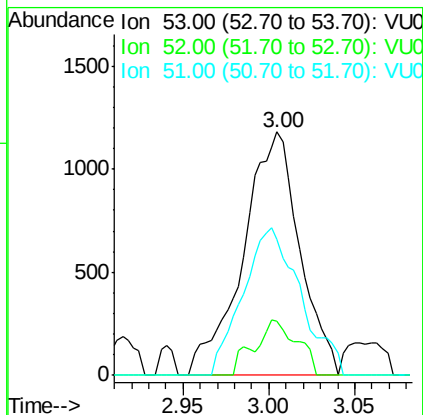
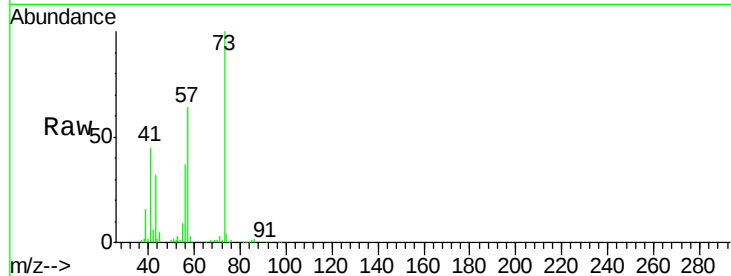
Tot Ion: 53 Resp: 2711

Ion Ratio Lower Upper

53 100

52 13.5 67.1 100.7#

51 61.8 28.4 42.6#



#16

Acetone

Concen: 13.876 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024544.D

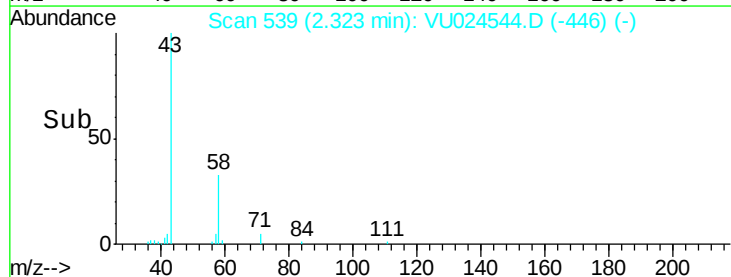
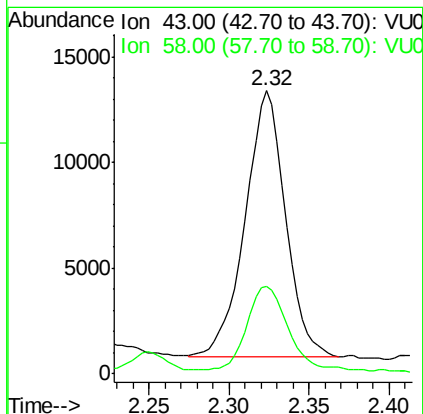
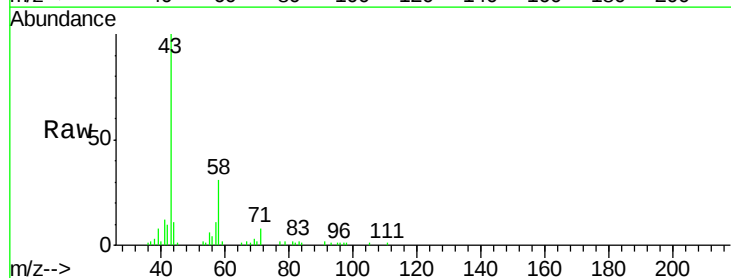
Acq: 14 Jun 2018 16:53

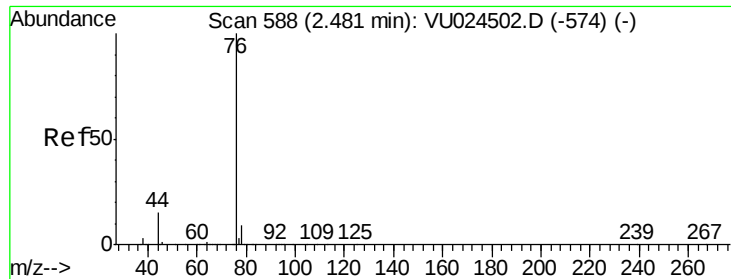
Tgt Ion: 43 Resp: 21701

Ion Ratio Lower Upper

43 100

58 31.3 24.4 36.6

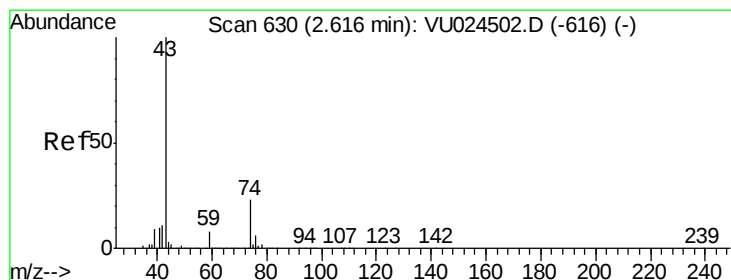
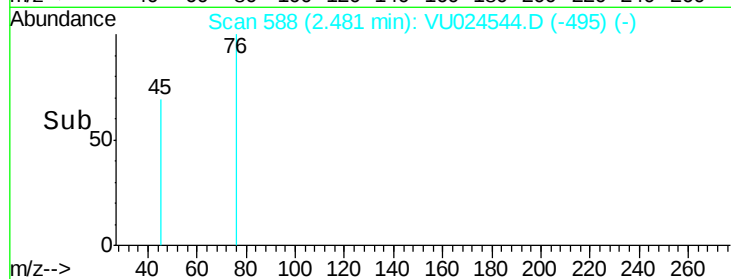
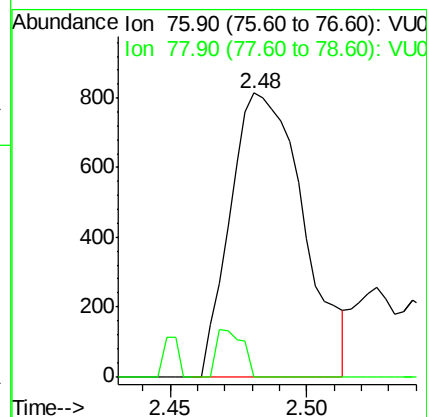
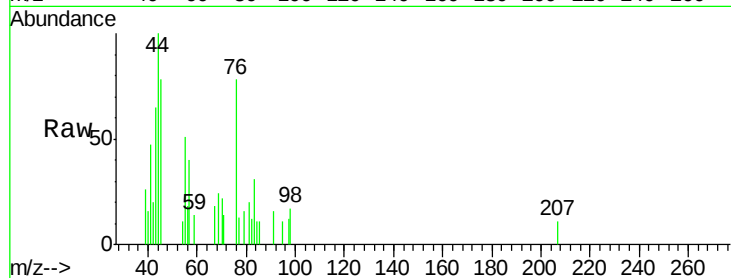




#17
Carbon Disulfide
Concen: 0.233 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

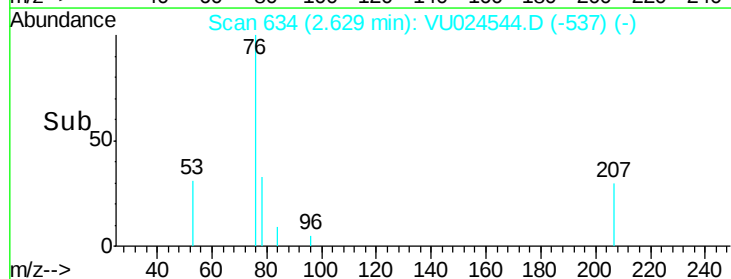
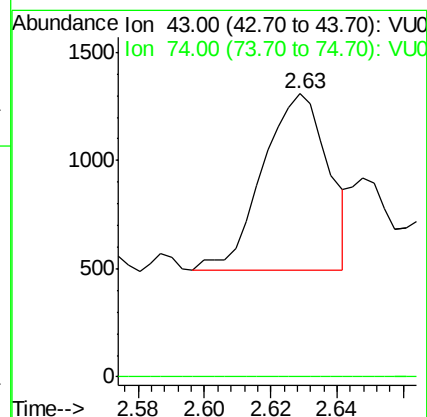
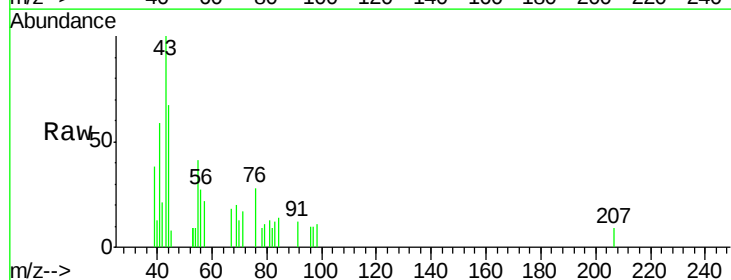
Instrument :
MSVOA_U
ClientSampleId :

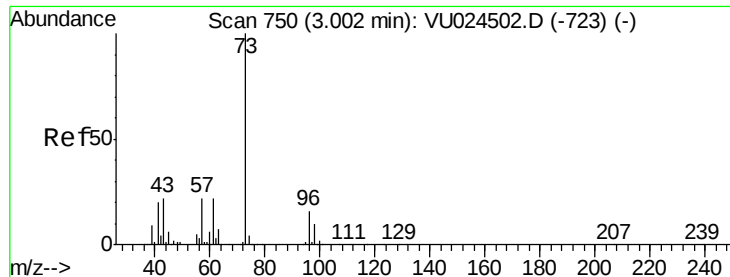
Tot Ion: 76 Resp: 1513
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 0.334 ug/l
RT: 2.63 min Scan# 634
Delta R.T. 0.01 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Tgt Ion: 43 Resp: 1121
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



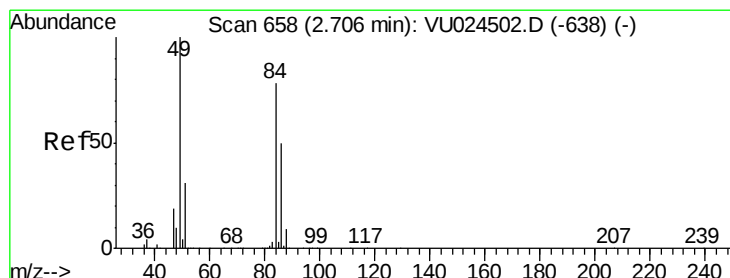
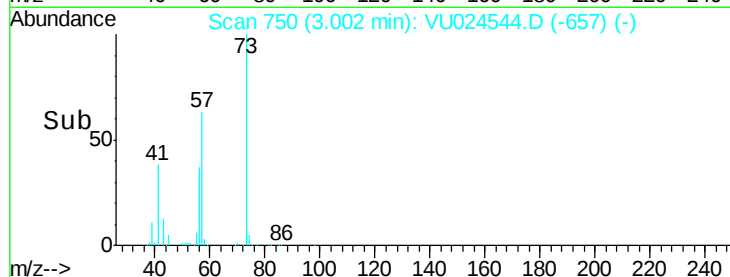
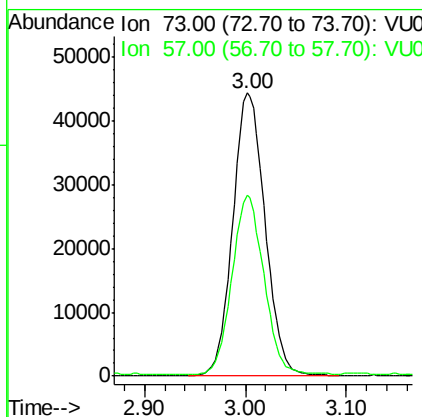
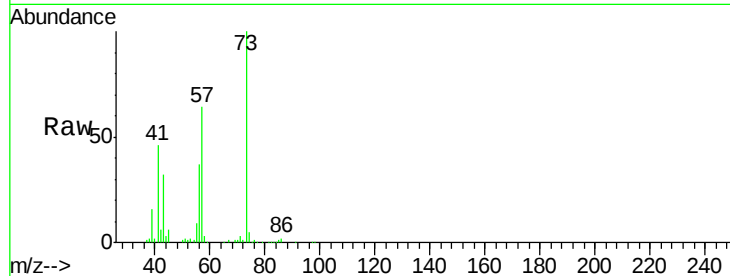


#19

Methyl tert-butyl Ether
 Concen: 12.953 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU024544.D
 Acq: 14 Jun 2018 16:53

Instrument :
 MSVOA_U
 ClientSampled :

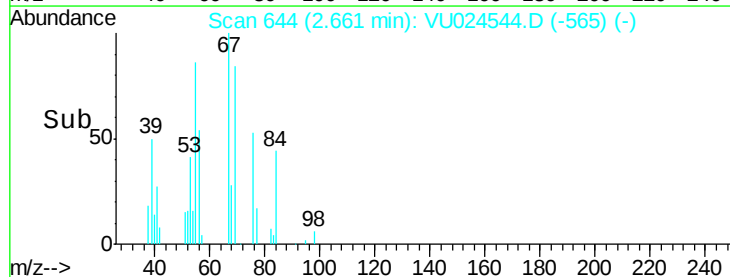
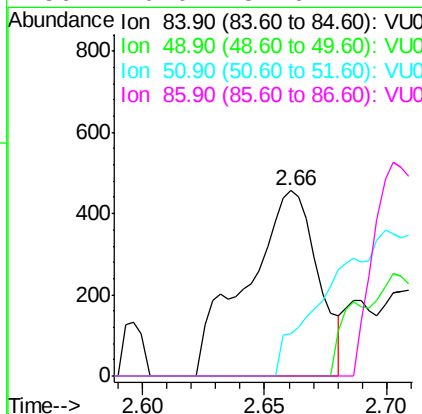
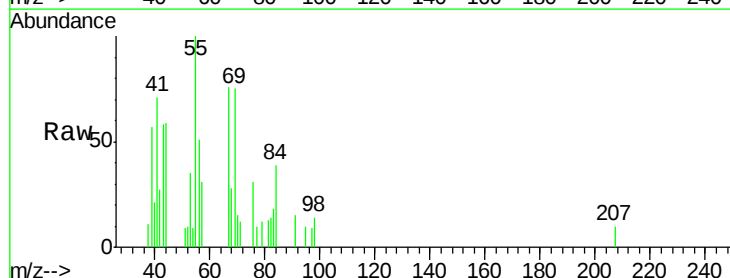
Tot Ion: 73 Resp: 98854
 Ion Ratio Lower Upper
 73 100
 57 63.2 18.8 28.2#

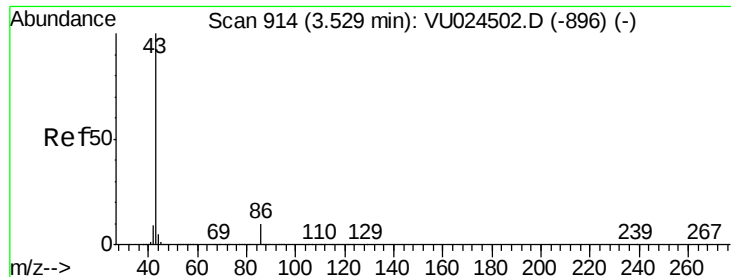


#20

Methylene Chloride
 Concen: 0.379 ug/l
 RT: 2.66 min Scan# 644
 Delta R.T. -0.04 min
 Lab File: VU024544.D
 Acq: 14 Jun 2018 16:53

Tgt Ion: 84 Resp: 930
 Ion Ratio Lower Upper
 84 100
 49 0.0 103.8 155.8#
 51 23.0 32.0 48.0#
 86 0.0 51.6 77.4#

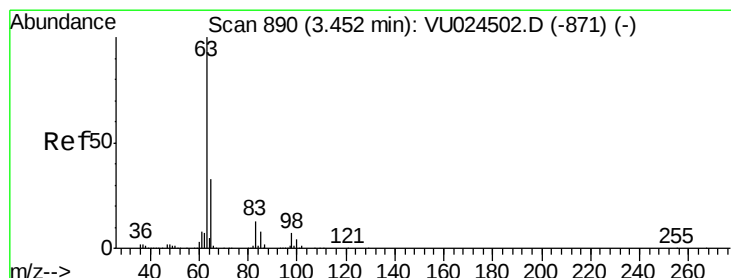
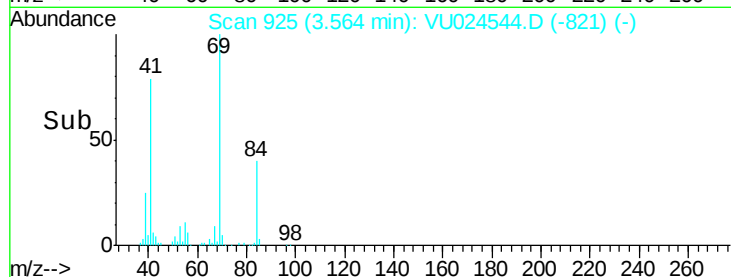
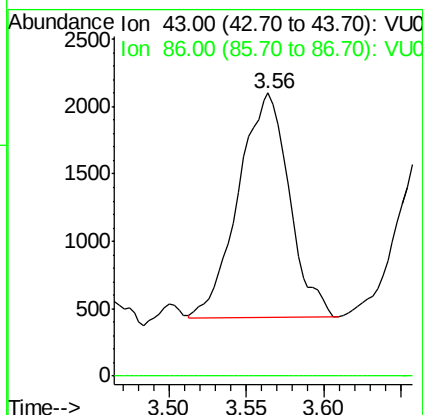
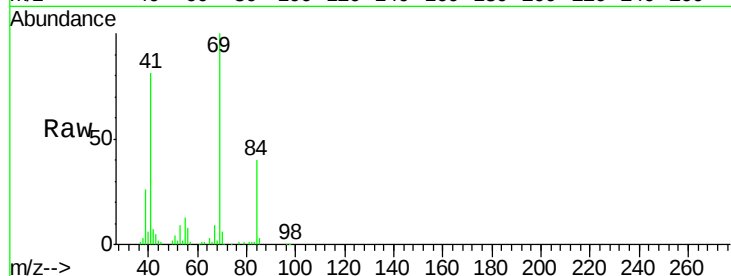




#23
 Vinyl Acetate
 Concen: 0.571 ug/l
 RT: 3.56 min Scan# 925
 Delta R.T. 0.04 min
 Lab File: VU024544.D
 Acq: 14 Jun 2018 16:53

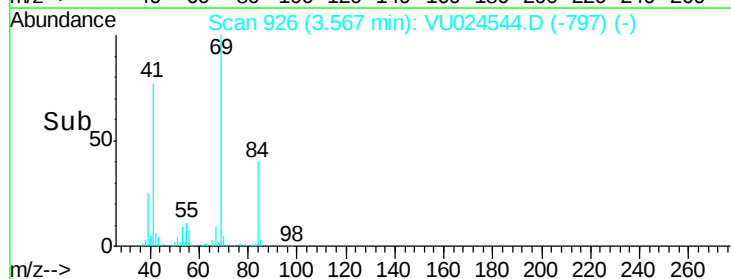
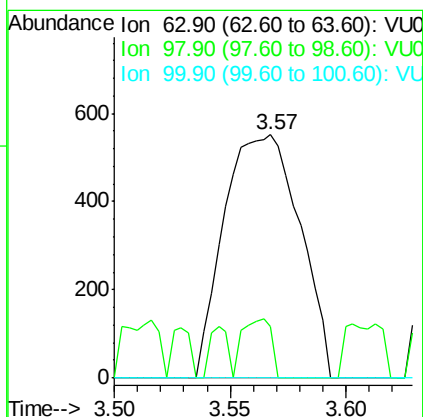
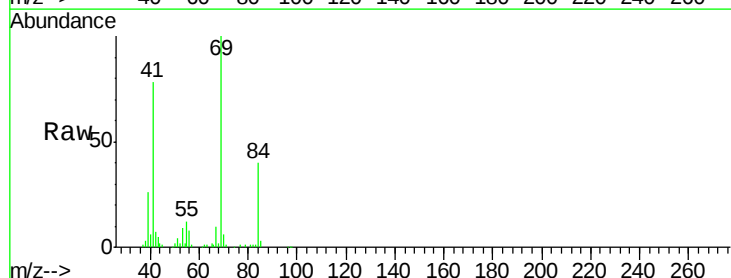
Instrument :
 MSVOA_U
 ClientSampled :

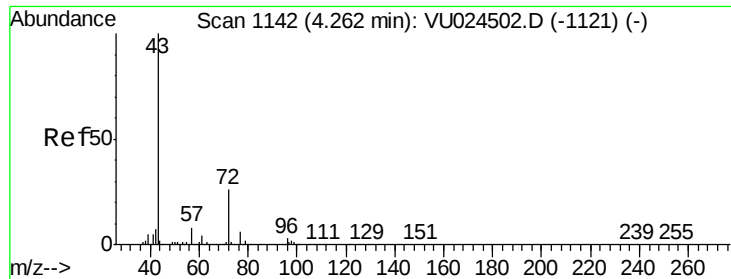
Tot Ion: 43 Resp: 3825
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#24
 1,1-Dichloroethane
 Concen: 0.291 ug/l
 RT: 3.57 min Scan# 926
 Delta R.T. 0.12 min
 Lab File: VU024544.D
 Acq: 14 Jun 2018 16:53

Tgt Ion: 63 Resp: 1252
 Ion Ratio Lower Upper
 63 100
 98 21.2 3.5 10.4#
 100 0.0 1.8 5.5#





#25

2-Butanone

Concen: 1.799 ug/l

RT: 4.28 min Scan# 1149

Delta R.T. 0.02 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

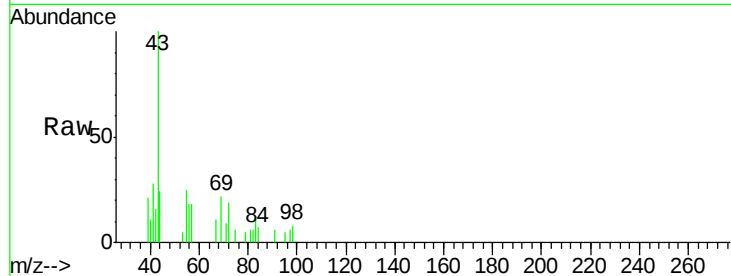
ClientSampleId :

Tot Ion: 43 Resp: 3780

Ion Ratio Lower Upper

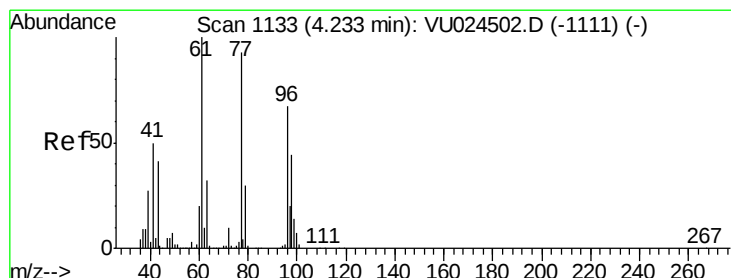
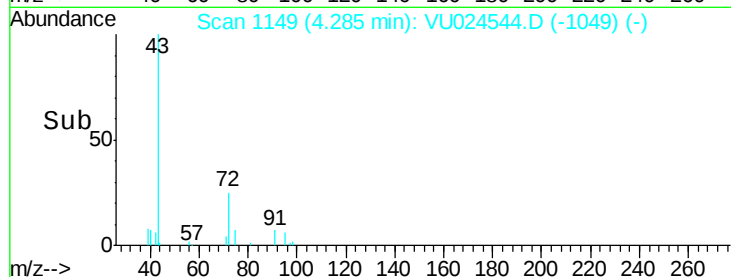
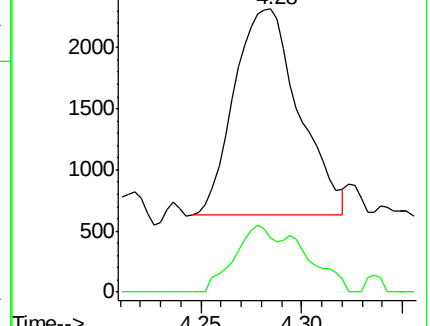
43 100

72 26.5 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 0.302 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

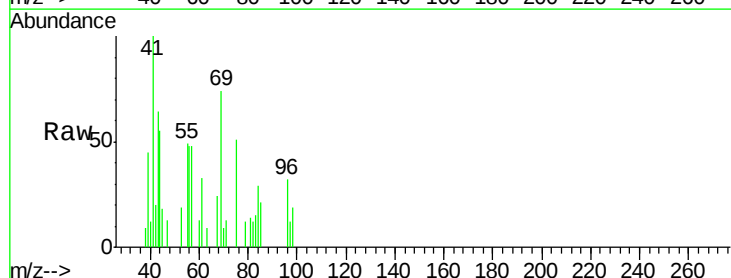
Tgt Ion: 96 Resp: 777

Ion Ratio Lower Upper

96 100

61 71.7 0.0 306.6

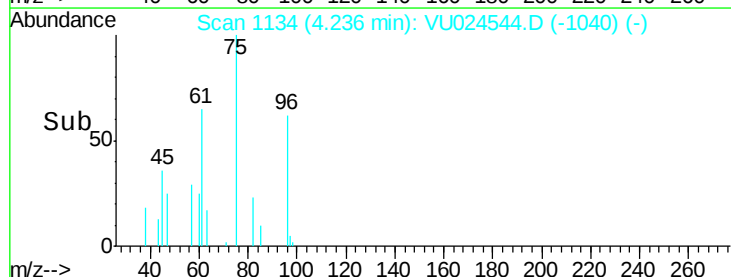
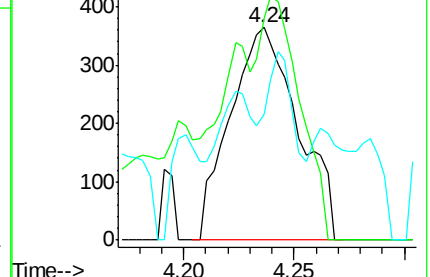
98 18.5 0.0 128.8

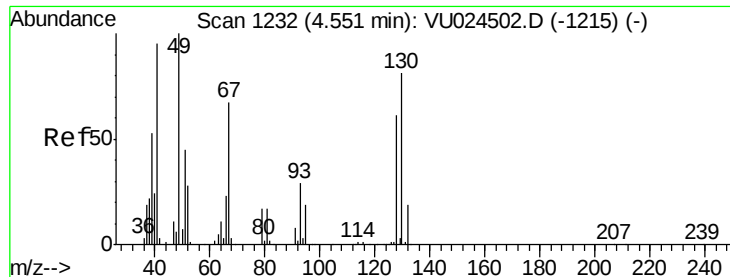


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#28

Bromochloromethane

Concen: 0.590 ug/l

RT: 4.79 min Scan# 1306

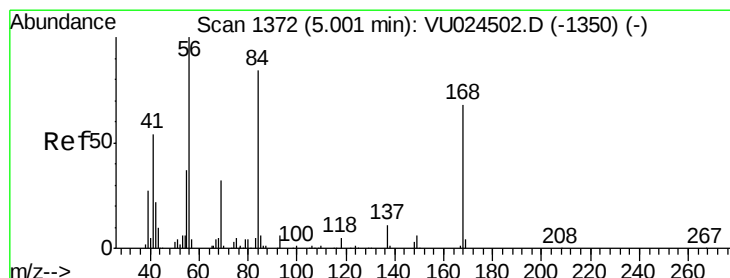
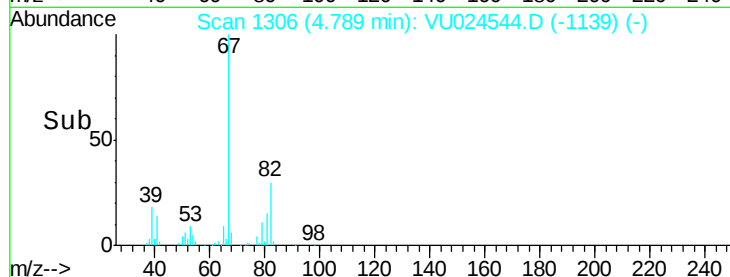
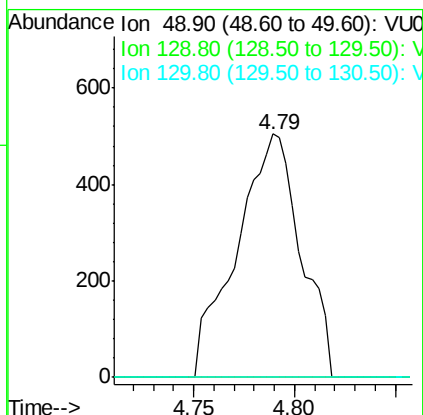
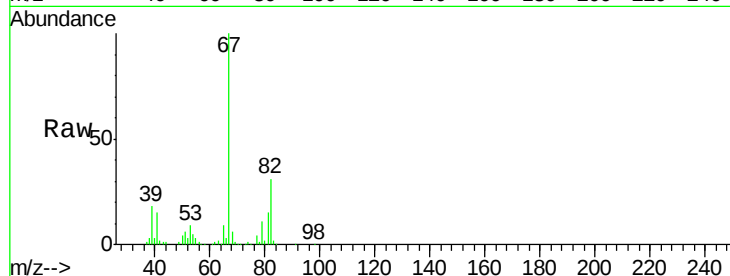
Delta R.T. 0.24 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 49 Resp: 1117
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.8 86.6#



#31

Cyclohexane

Concen: 25.234 ug/l

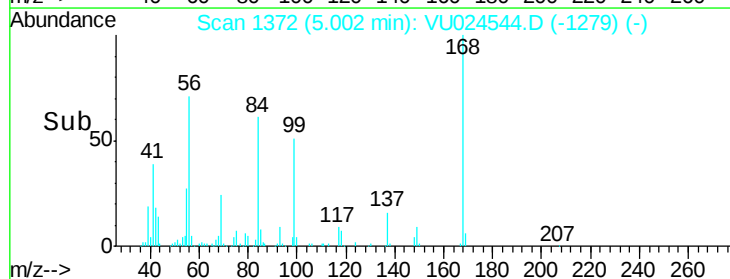
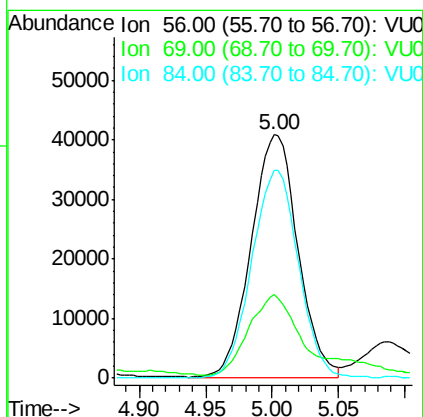
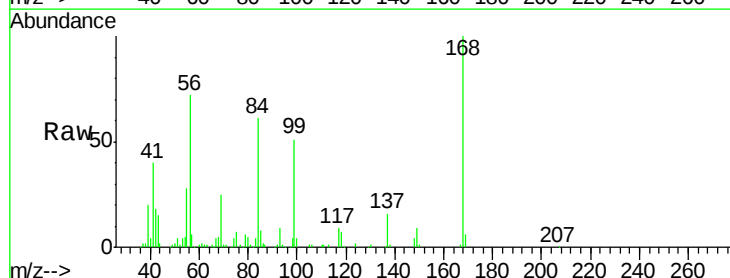
RT: 5.00 min Scan# 1372

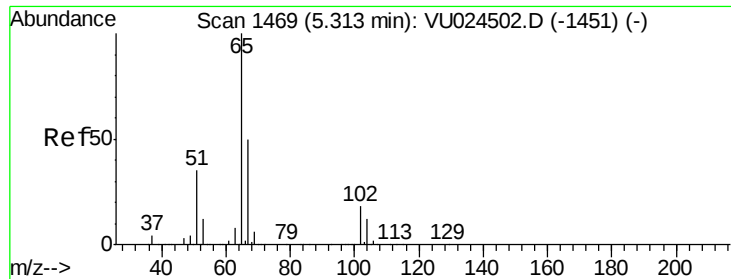
Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Tgt Ion: 56 Resp: 100064
Ion Ratio Lower Upper
56 100
69 32.8 24.8 37.2
84 85.2 65.2 97.8

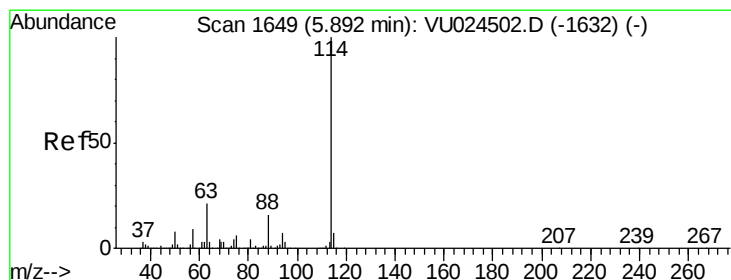
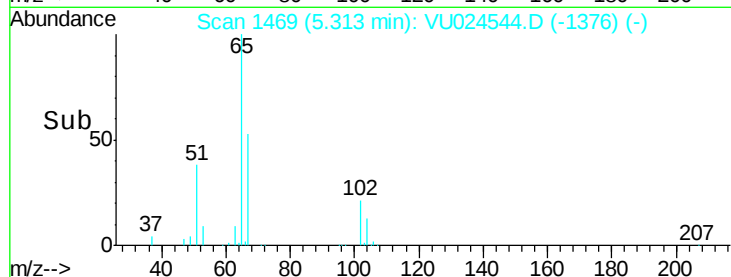
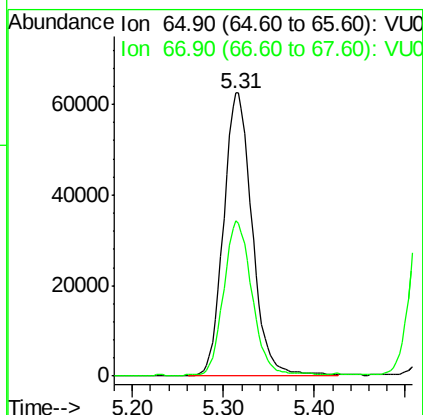
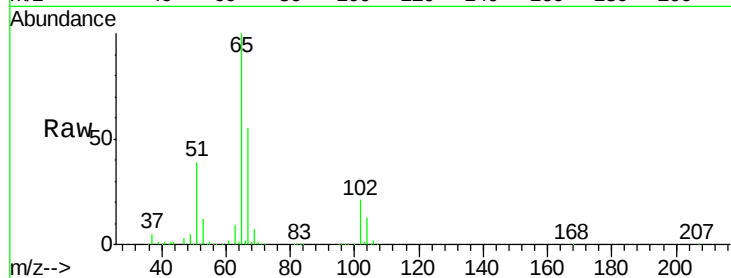




#33
 1,2-Dichloroethane-d4
 Concen: 47.124 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024544.D
 Acq: 14 Jun 2018 16:53

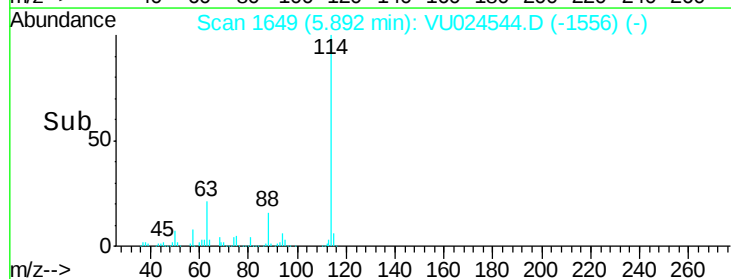
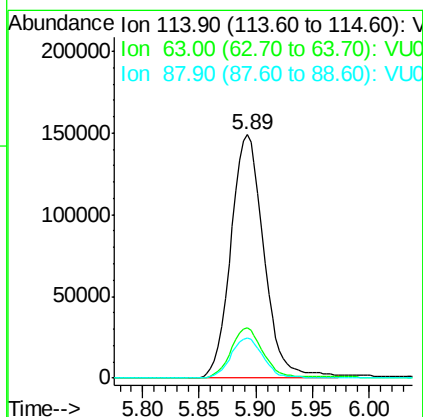
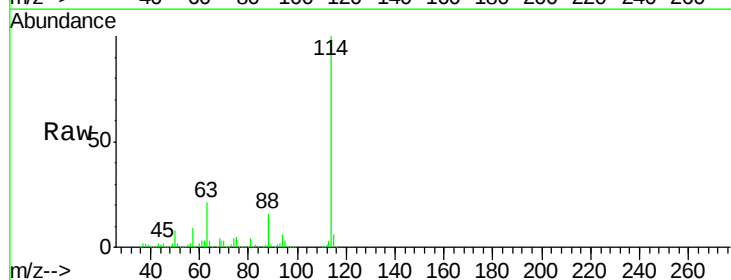
Instrument :
 MSVOA_U
 ClientSampleId :

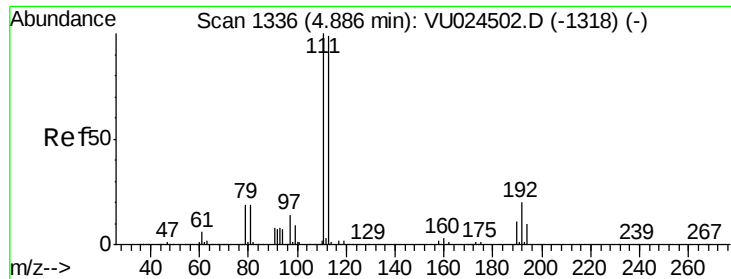
Tot Ion: 65 Resp: 137169
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024544.D
 Acq: 14 Jun 2018 16:53

Tgt Ion: 114 Resp: 304325
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 45.4
 88 16.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.117 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

ClientSampleId :

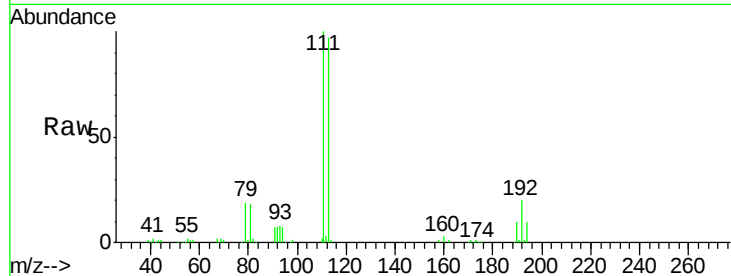
Tot Ion:113 Resp: 124052

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

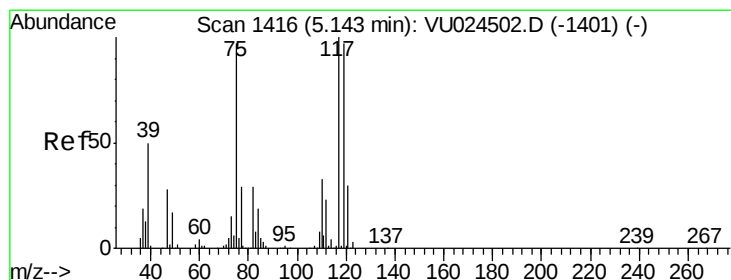
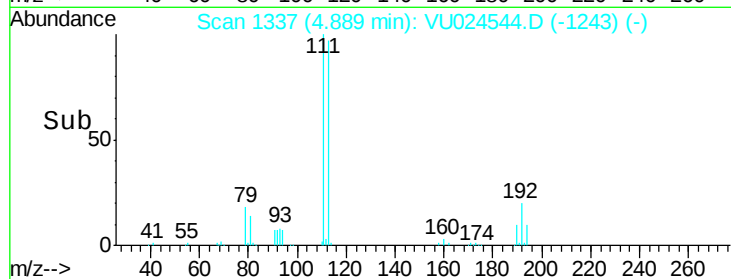
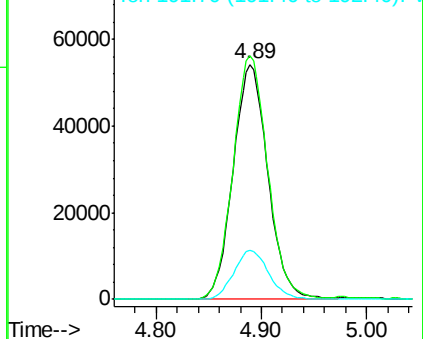
192 21.1 16.2 24.4



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: 3.573 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

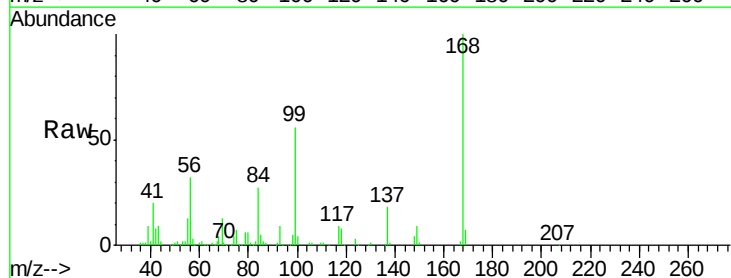
Tgt Ion: 75 Resp: 12779

Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

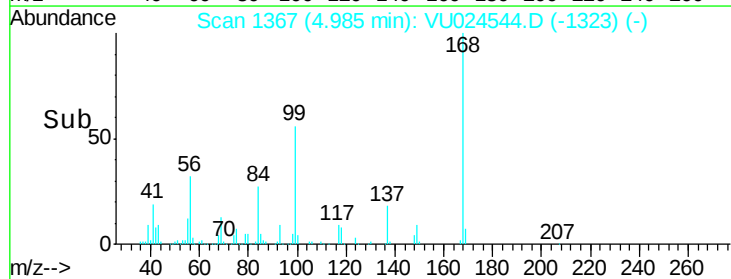
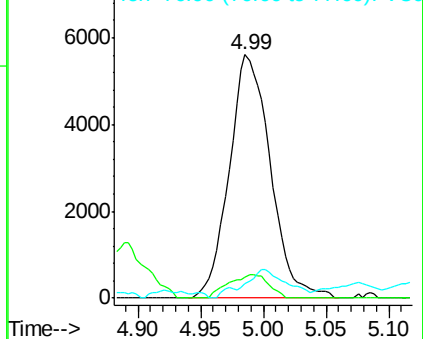
77 0.0 24.2 36.4#

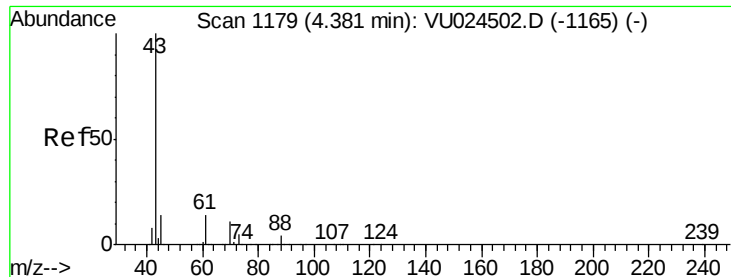


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

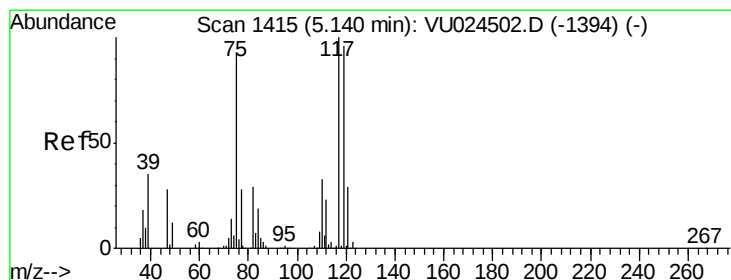
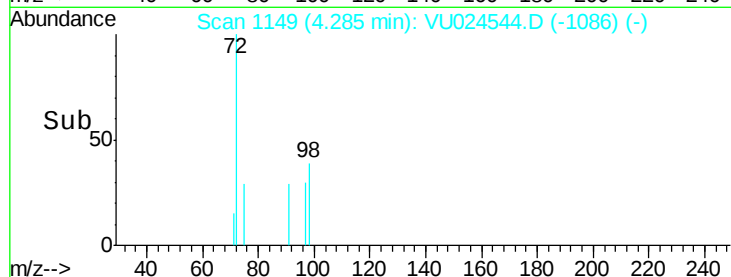
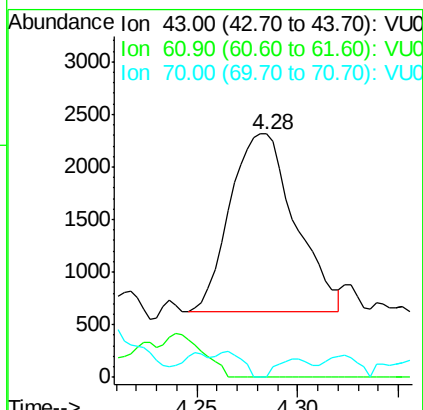
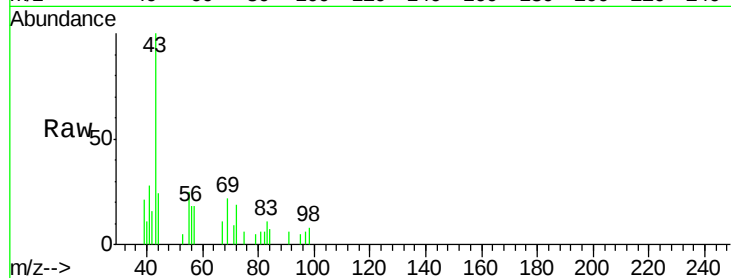




#37
Ethyl Acetate
Concen: 0.970 ug/l
RT: 4.28 min Scan# 1149
Delta R.T. -0.10 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

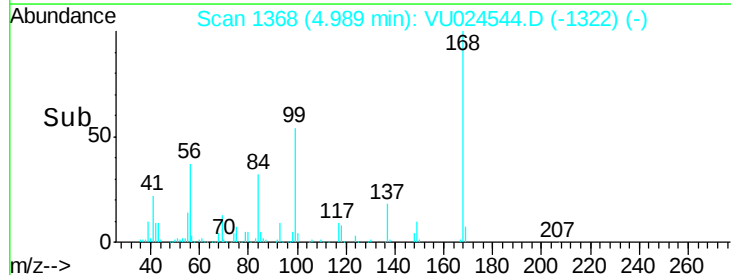
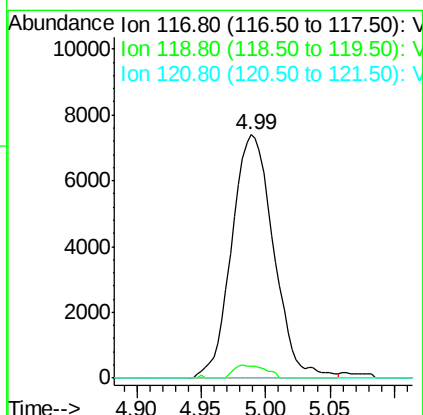
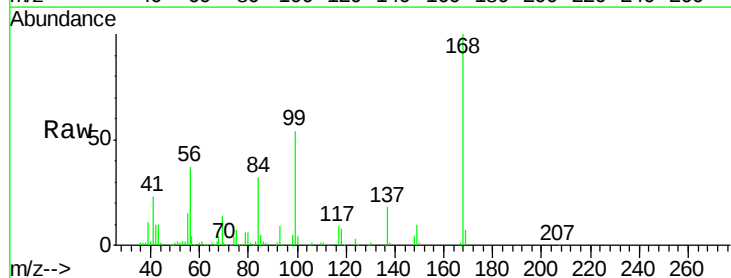
Instrument :
MSVOA_U
ClientSampleId :

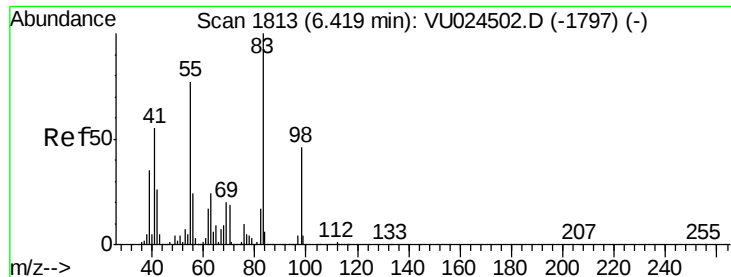
Tot Ion: 43 Resp: 3780
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 5.1 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 4.256 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Tgt Ion: 117 Resp: 16735
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 23.7 35.5#

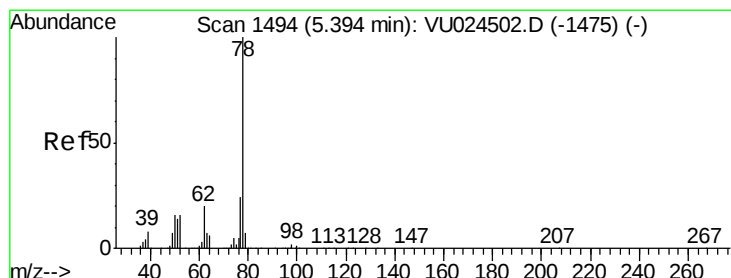
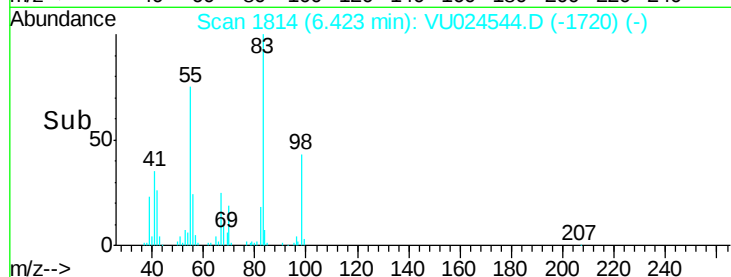
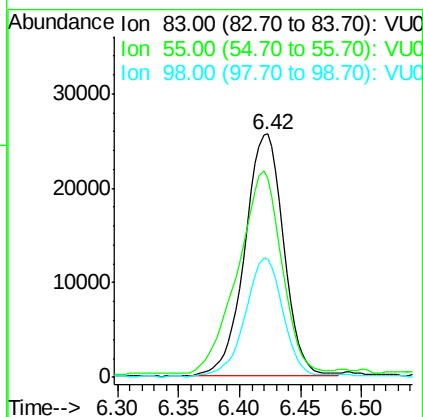
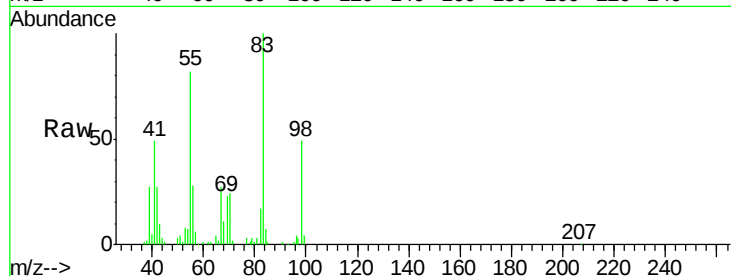




#39
Methvlcvclohexane
Concen: 12.577 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

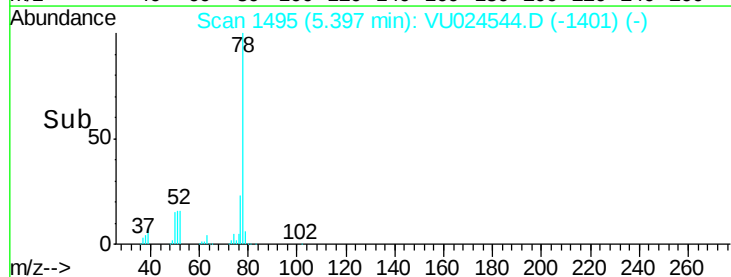
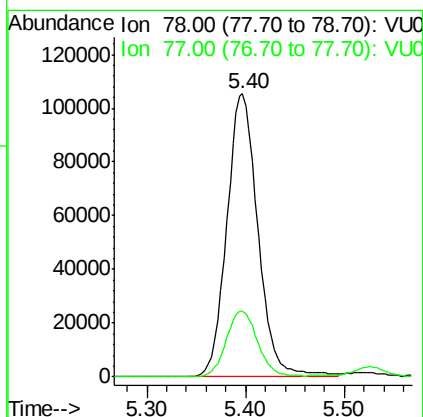
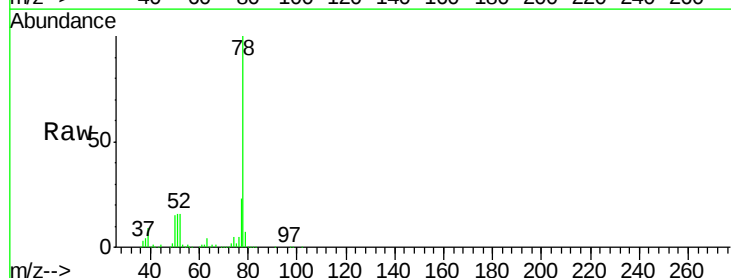
Instrument :
MSVOA_U
ClientSampleId :

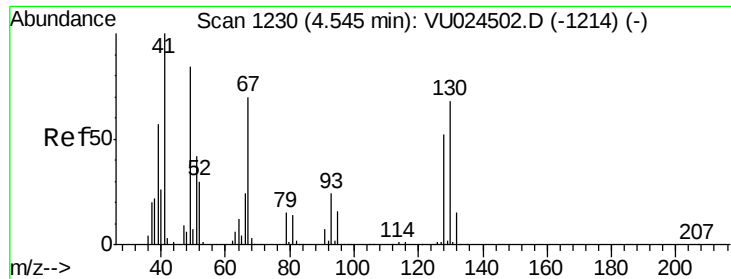
Tot Ion	83	Resp	56128
Ion	Ratio	Lower	Upper
83	100		
55	80.1	65.8	98.6
98	48.7	36.7	55.1



#40
Benzene
Concen: 22.816 ug/l
RT: 5.40 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Tgt Ion	78	Resp	232488
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8

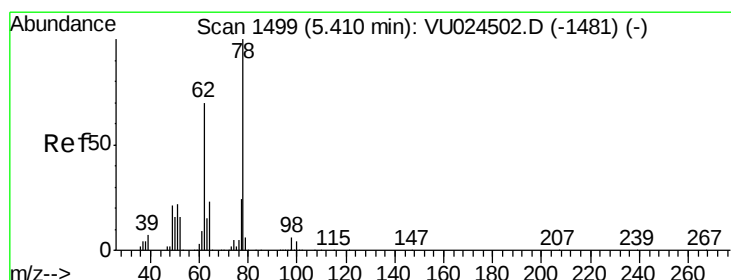
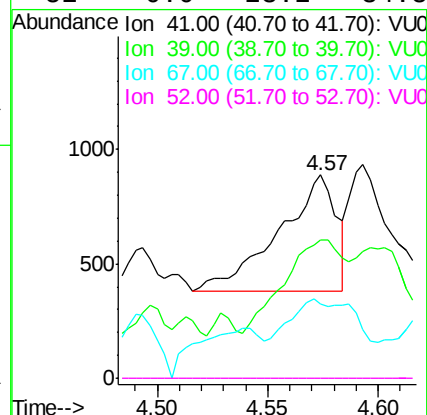
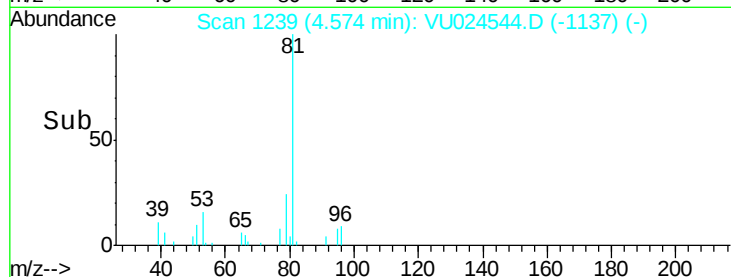
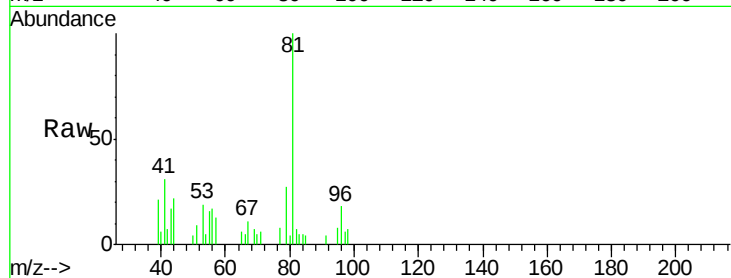




#41
Methacrylonitrile
Concen: 0.431 ug/l
RT: 4.57 min Scan# 1239
Delta R.T. 0.03 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

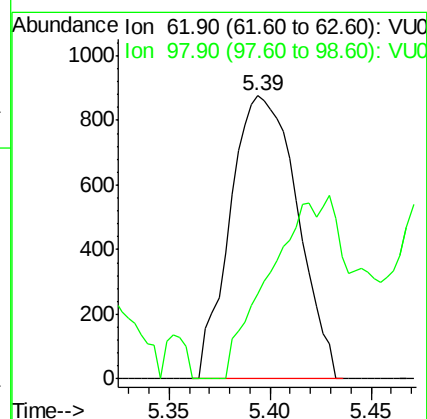
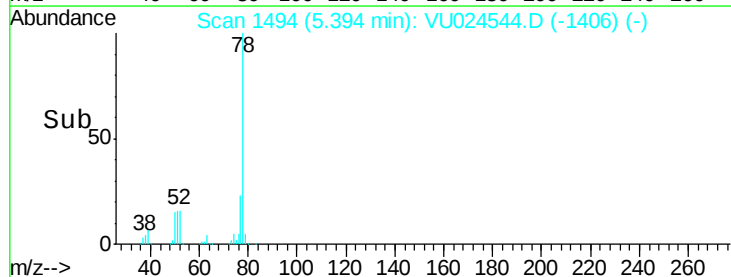
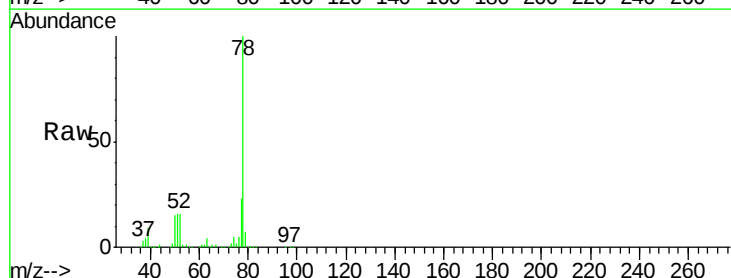
Instrument :
MSVOA_U
ClientSampled :

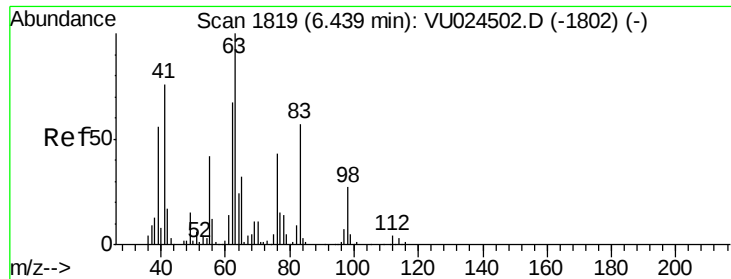
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.8	65.6#
67	0.0	56.3	84.5#
52	0.0	23.2	34.8#



#42
1,2-Dichloroethane
Concen: 0.523 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.02 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	16.6





#45

1,2-Dichloropropane

Concen: 0.228 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. -0.02 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

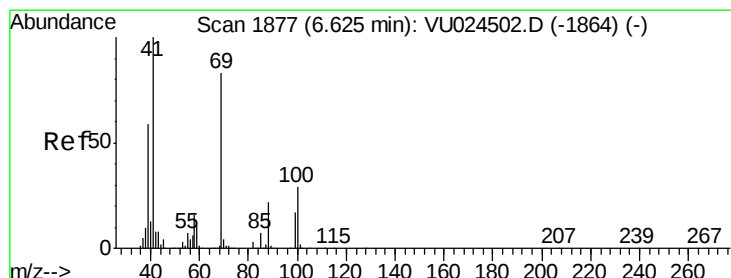
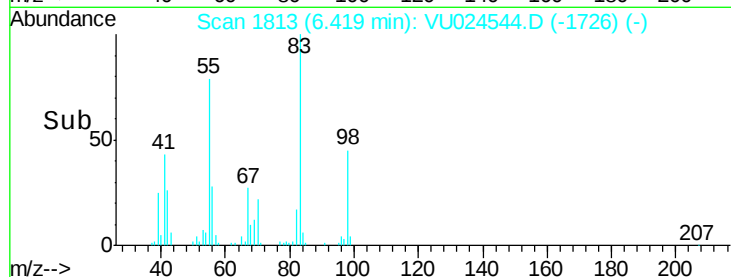
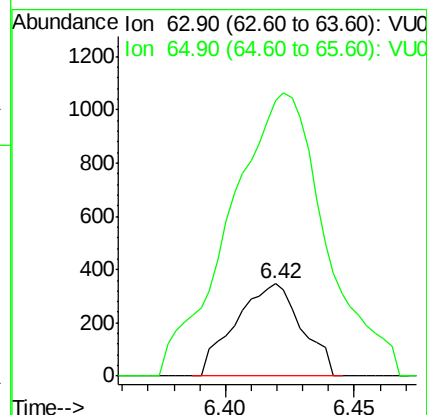
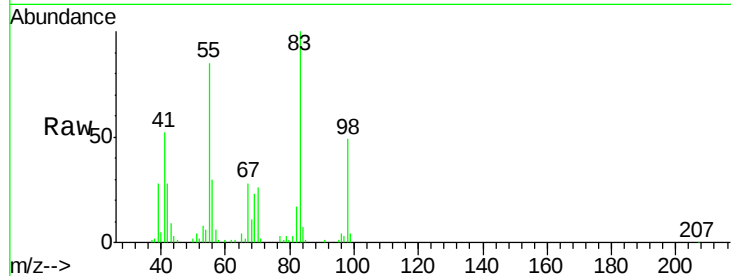
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 63 Resp: 619

Ion Ratio Lower Upper

63 100

65 233.7 24.8 37.2#



#48

Methyl methacrylate

Concen: 1.927 ug/l

RT: 6.64 min Scan# 1883

Delta R.T. 0.02 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

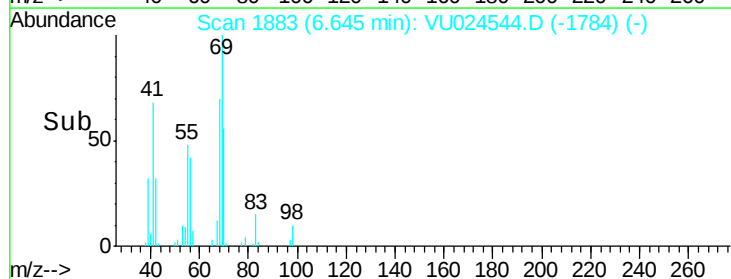
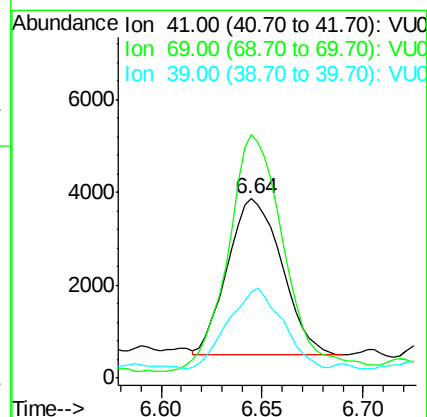
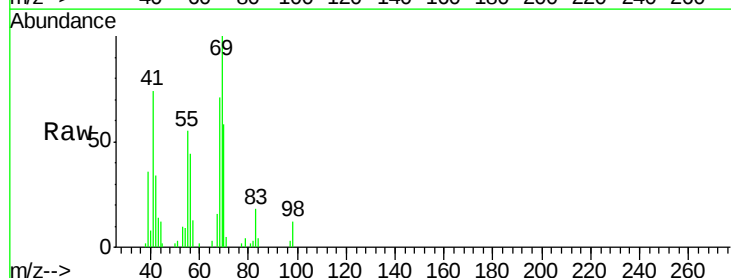
Tgt Ion: 41 Resp: 6323

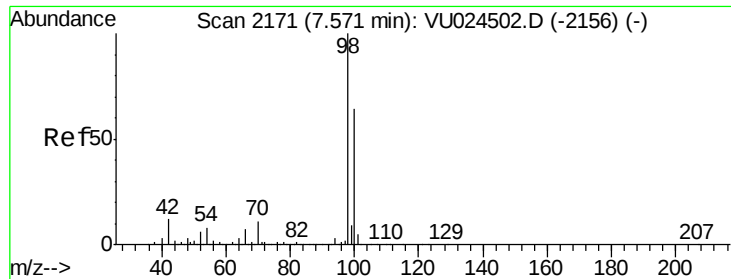
Ion Ratio Lower Upper

41 100

69 157.5 67.3 100.9#

39 51.5 46.5 69.7

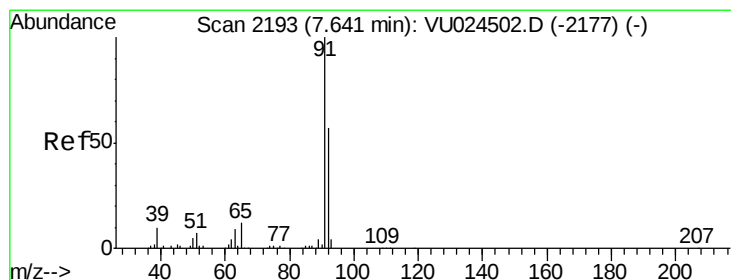
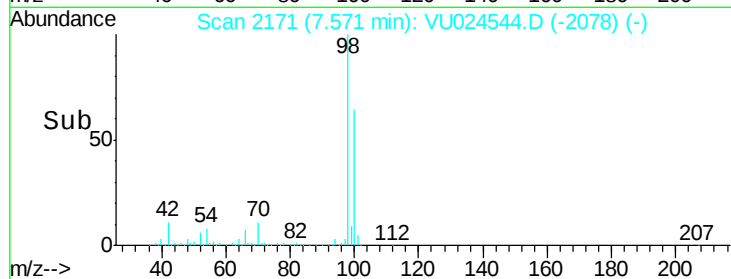
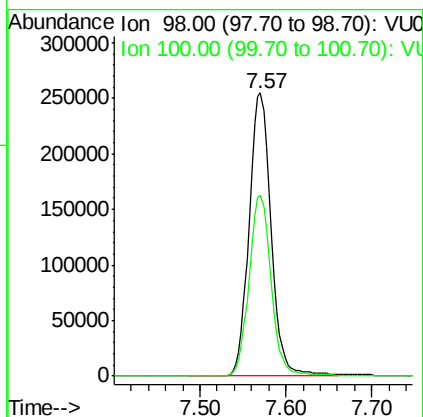
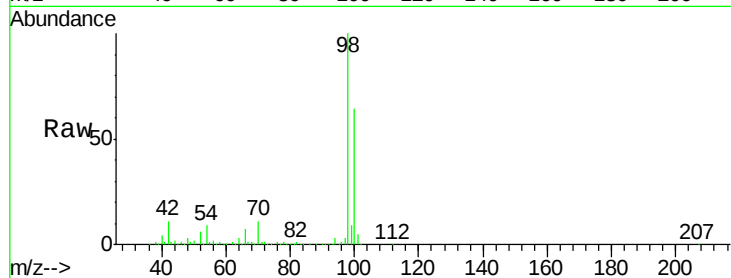




#50
Toluene-d8
Concen: 49.369 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

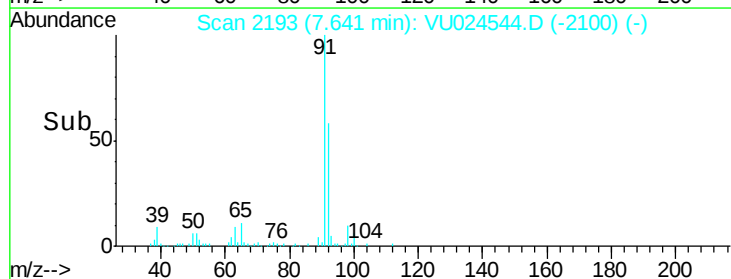
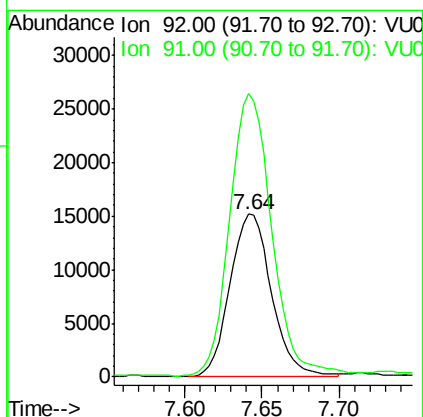
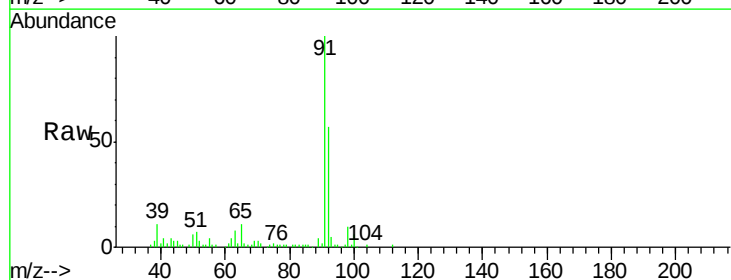
Instrument :
MSVOA_U
ClientSampleId :

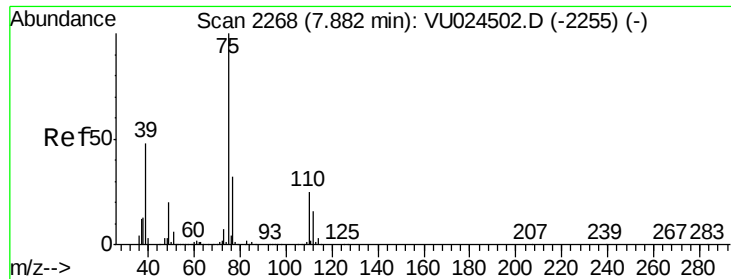
Tot Ion: 98 Resp: 454821
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7



#52
Toluene
Concen: 4.341 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Tgt Ion: 92 Resp: 28457
Ion Ratio Lower Upper
92 100
91 177.2 140.5 210.7

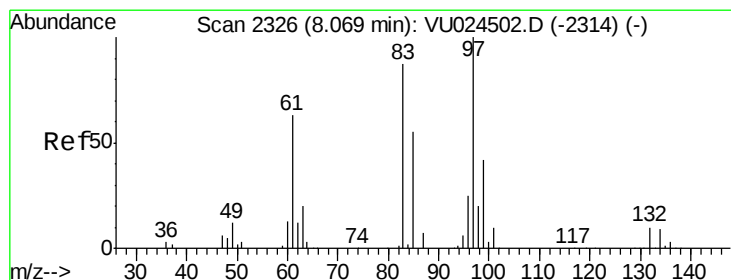
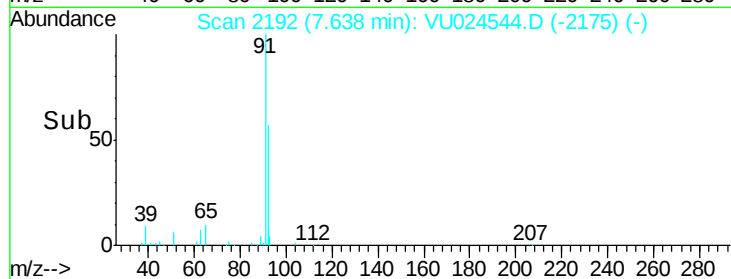
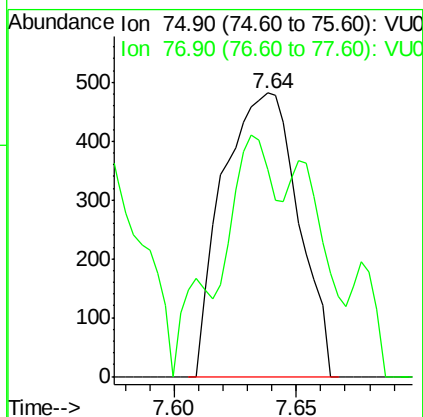
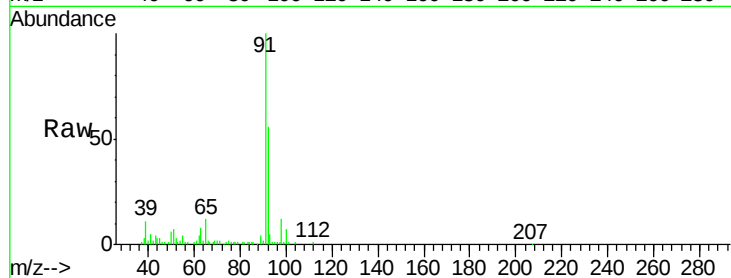




#53
t-1,3-Dichloropropene
Concen: 0.242 ug/l
RT: 7.64 min Scan# 2192
Delta R.T. -0.24 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

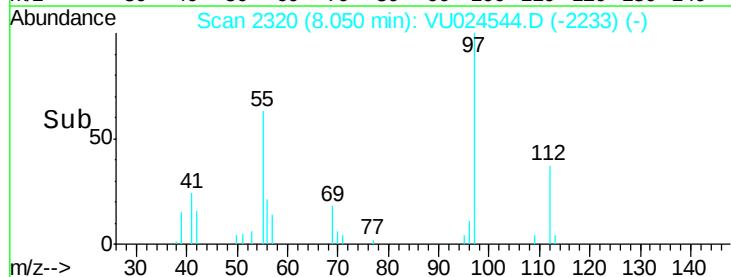
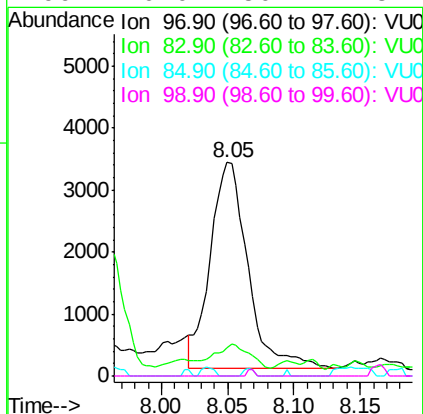
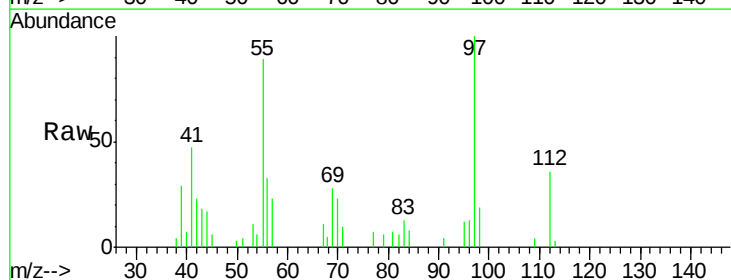
Instrument :
MSVOA_U
ClientSampleId :

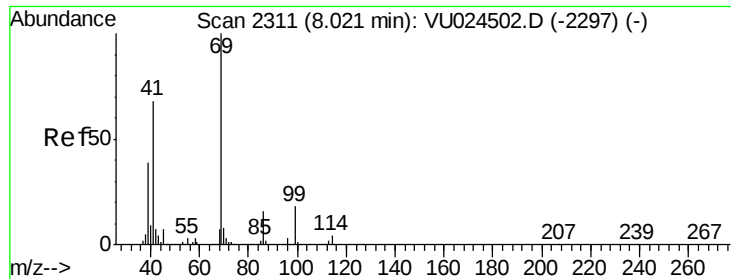
Tot Ion: 75 Resp: 1034
Ion Ratio Lower Upper
75 100
77 44.4 24.8 37.2#



#55
1,1,2-Trichloroethane
Concen: 2.444 ug/l
RT: 8.05 min Scan# 2320
Delta R.T. -0.02 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Tgt Ion: 97 Resp: 6512
Ion Ratio Lower Upper
97 100
83 8.5 70.5 105.7#
85 0.0 46.4 69.6#
99 0.0 50.2 75.2#





#56

Ethyl methacrylate

Concen: 0.333 ug/l

RT: 8.05 min Scan# 2321

Delta R.T. 0.03 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :
MSVOA_U
ClientSampleId :

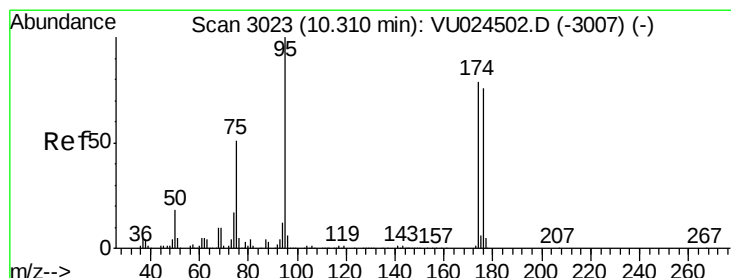
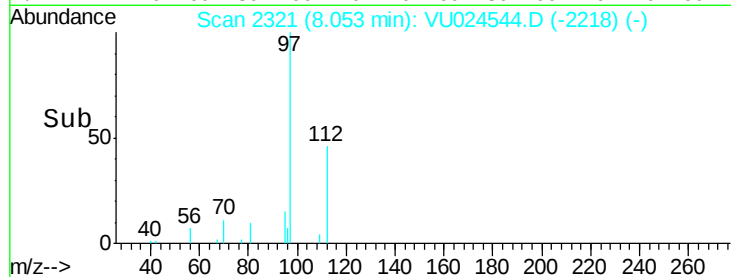
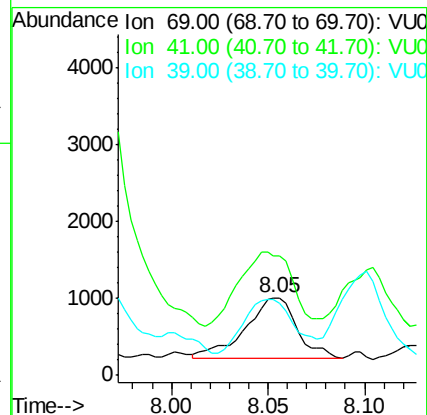
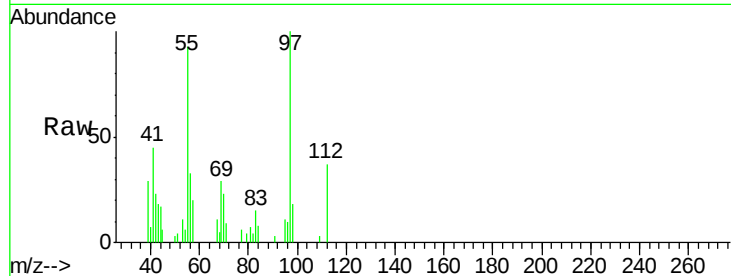
Tot Ion: 69 Resp: 1484

Ion Ratio Lower Upper

69 100

41 140.3 54.1 81.1#

39 85.2 30.3 45.5#



#62

4-Bromofluorobenzene

Concen: 48.017 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

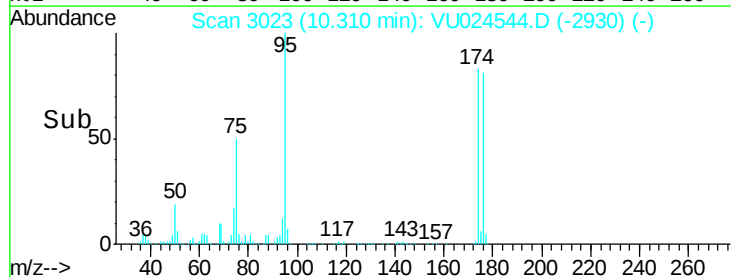
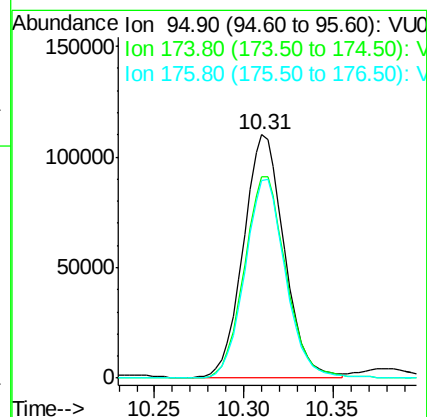
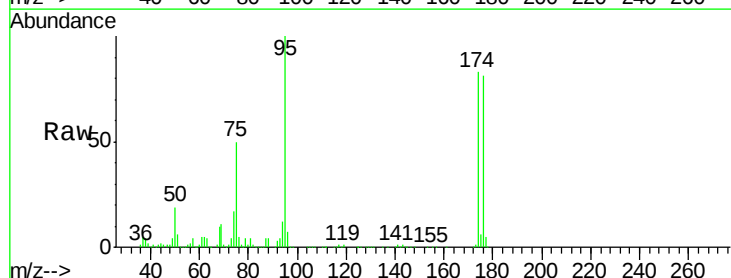
Tgt Ion: 95 Resp: 175635

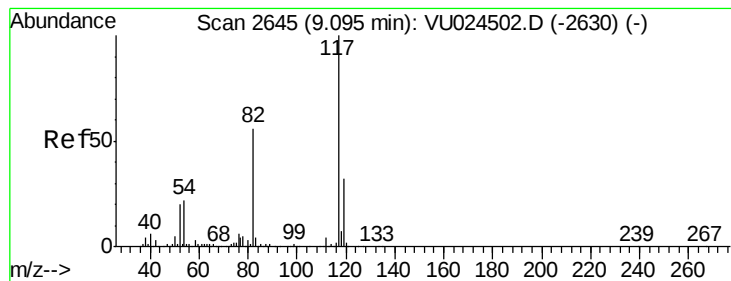
Ion Ratio Lower Upper

95 100

174 85.0 0.0 165.8

176 81.7 0.0 159.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

ClientSampleId :

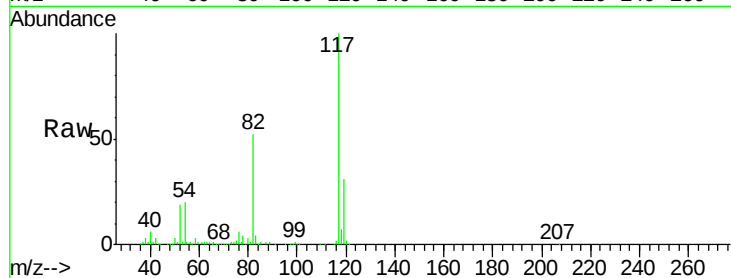
Tot Ion:117 Resp: 296386

Ion Ratio Lower Upper

117 100

82 52.4 44.3 66.5

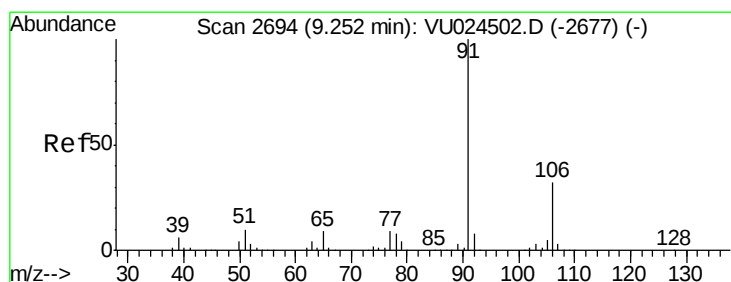
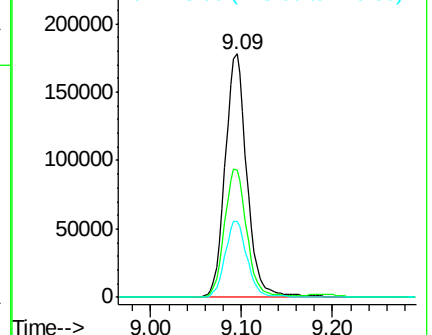
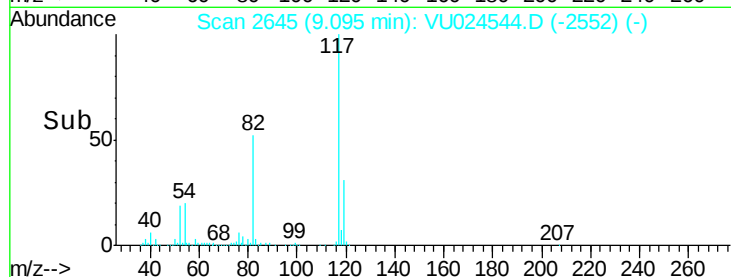
119 31.2 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 1.096 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU024544.D

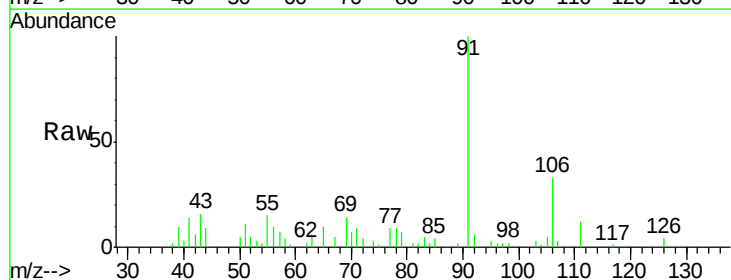
Acq: 14 Jun 2018 16:53

Tgt Ion: 91 Resp: 14550

Ion Ratio Lower Upper

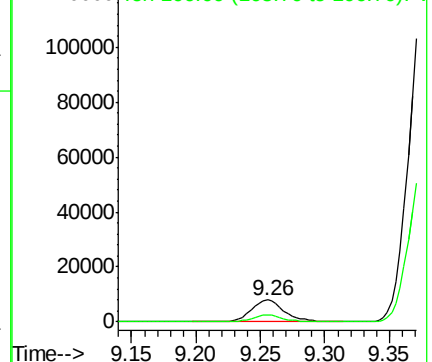
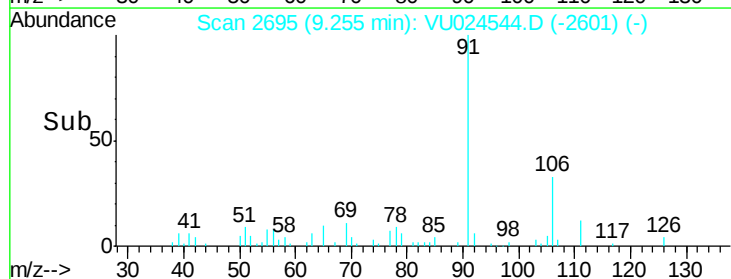
91 100

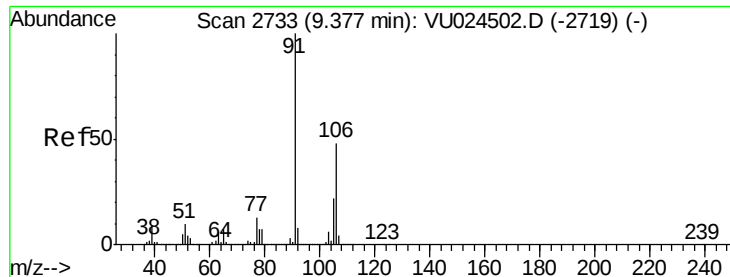
106 32.9 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

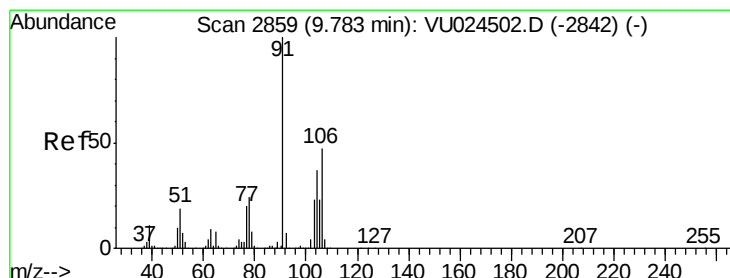
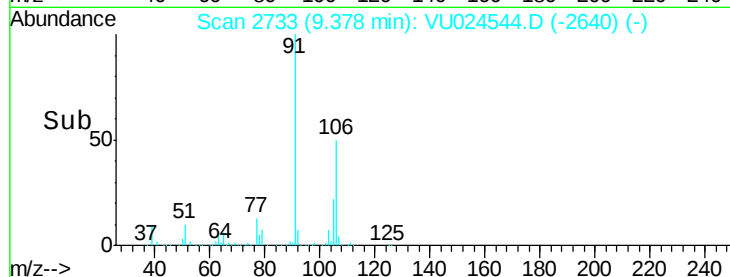
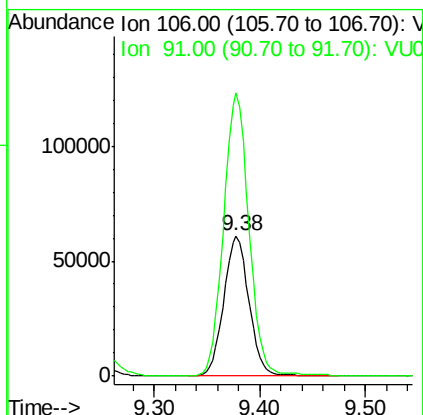
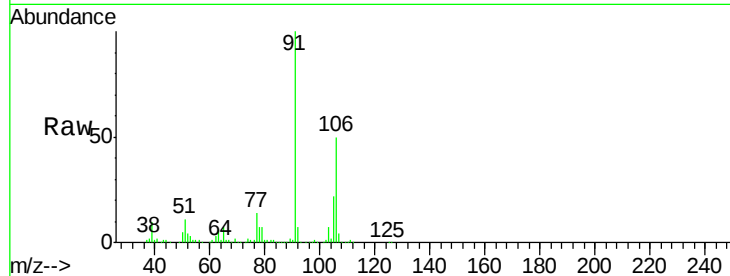




#68
m/p-Xylenes
Concen: 19.830 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

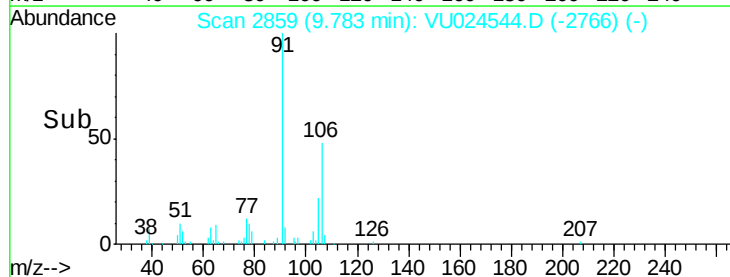
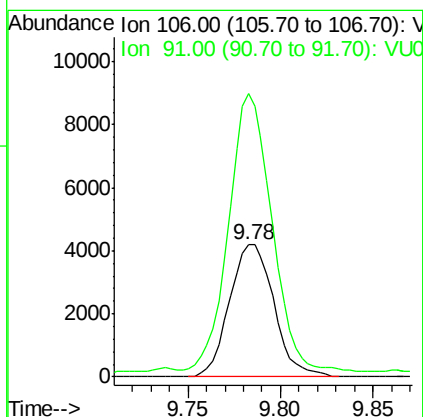
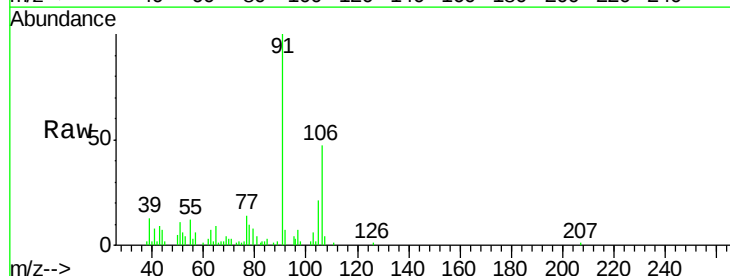
Instrument :
MSVOA_U
ClientSampleId :

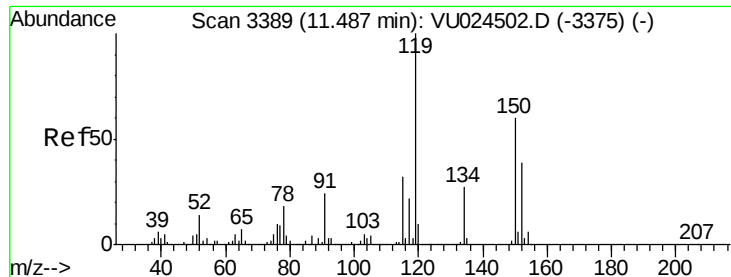
Tot Ion:106 Resp: 101072
Ion Ratio Lower Upper
106 100
91 201.4 166.5 249.7



#69
o-Xylene
Concen: 1.383 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024544.D
Acq: 14 Jun 2018 16:53

Tgt Ion:106 Resp: 6978
Ion Ratio Lower Upper
106 100
91 202.7 110.7 331.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

ClientSampled :

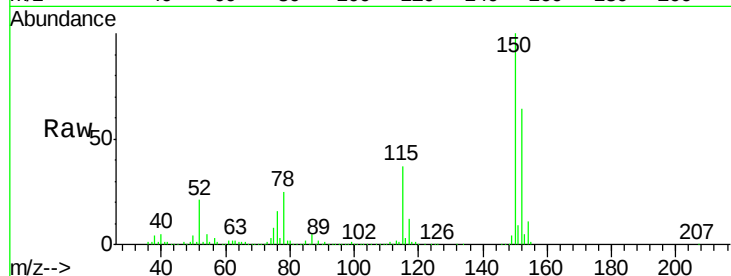
Tot Ion:152 Resp: 178185

Ion Ratio Lower Upper

152 100

115 58.1 43.0 129.0

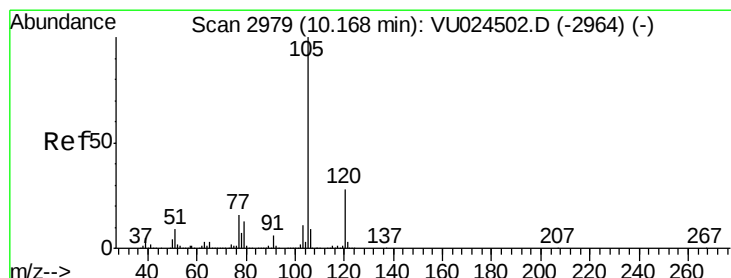
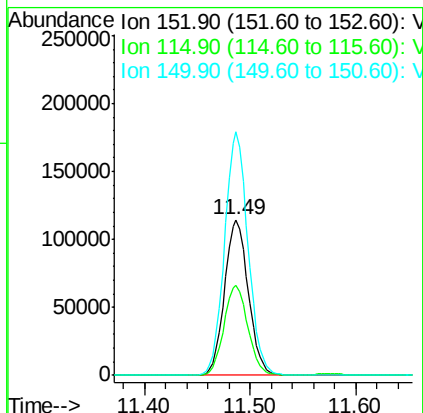
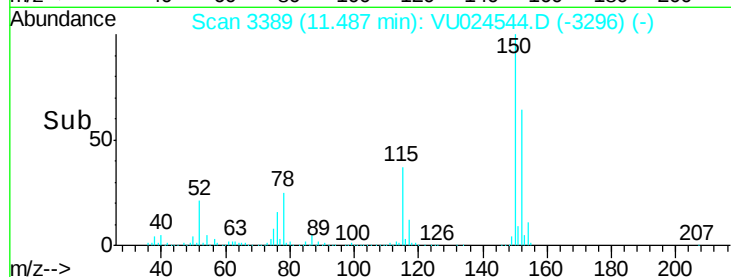
150 154.0 0.0 354.0



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: 51.309 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024544.D

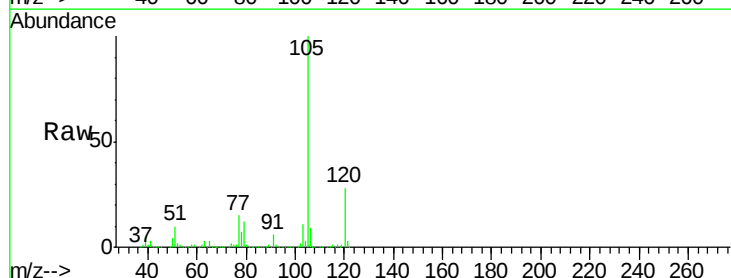
Acq: 14 Jun 2018 16:53

Tgt Ion:105 Resp: 701927

Ion Ratio Lower Upper

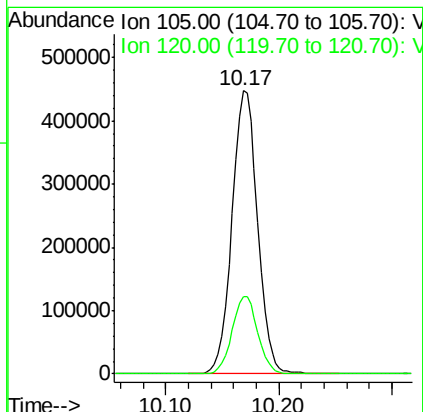
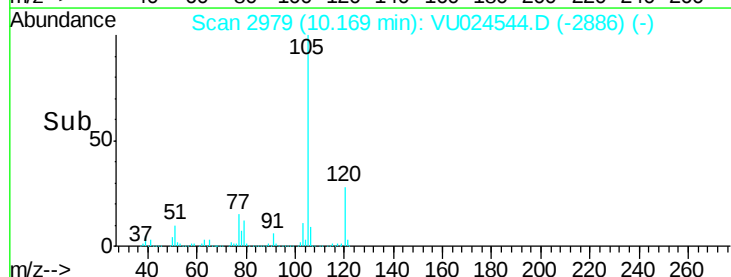
105 100

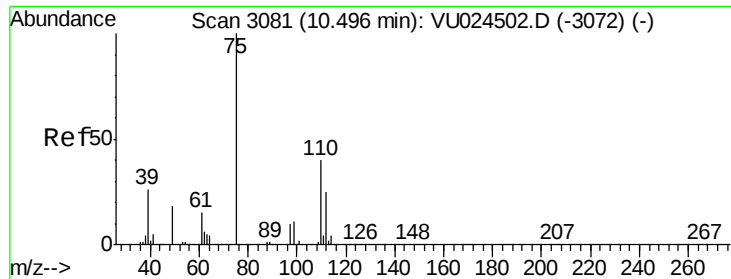
120 27.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 2.308 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.09 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

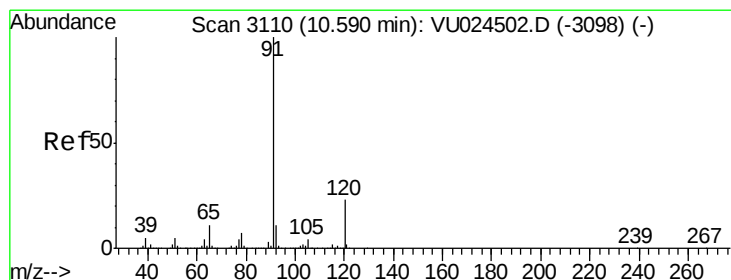
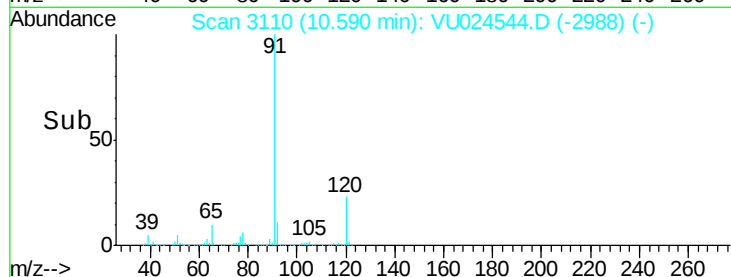
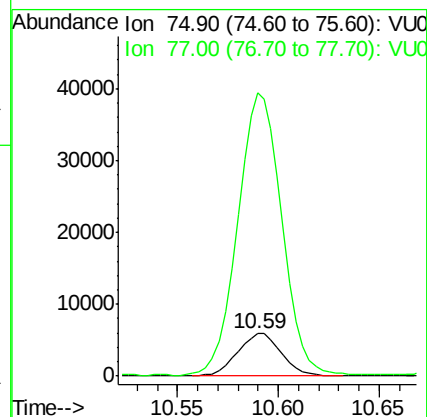
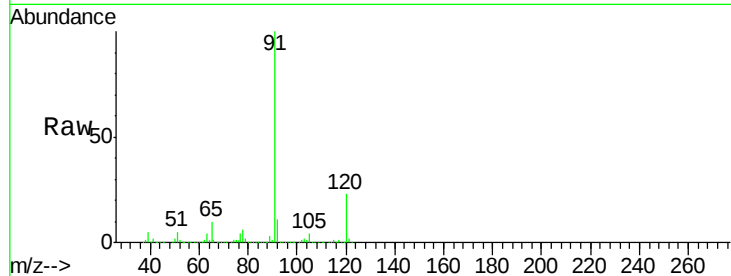
ClientSampleId :

Tot Ion: 75 Resp: 9056

Ion Ratio Lower Upper

75 100

77 662.2 20.9 62.7#



#78

n-propylbenzene

Concen: 93.509 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024544.D

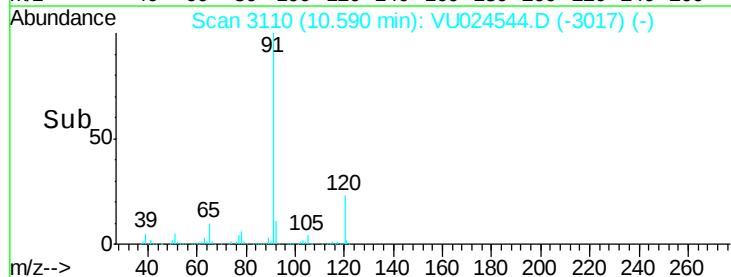
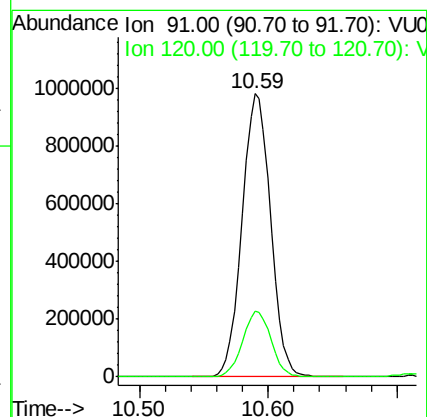
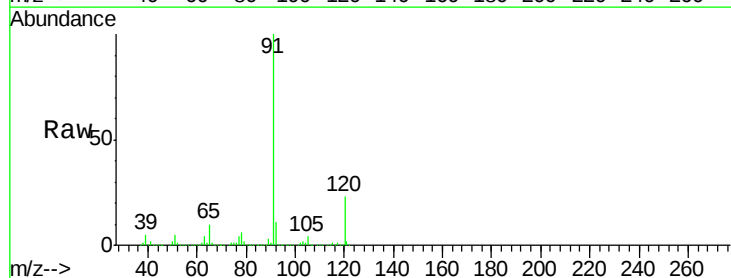
Acq: 14 Jun 2018 16:53

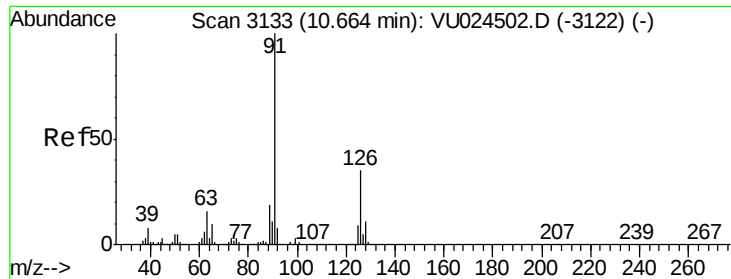
Tgt Ion: 91 Resp: 1506918

Ion Ratio Lower Upper

91 100

120 23.1 11.2 33.5

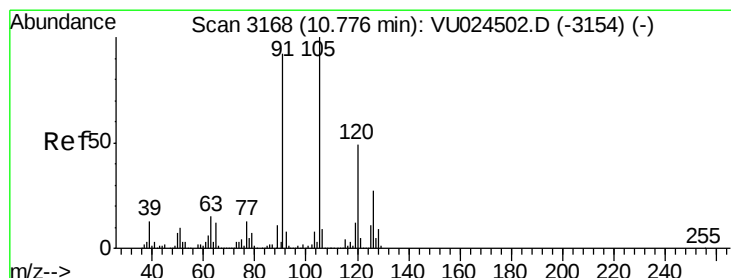
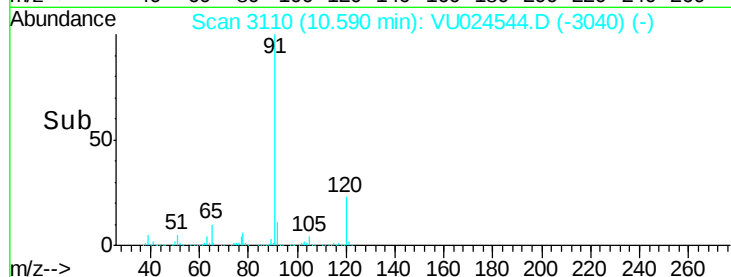
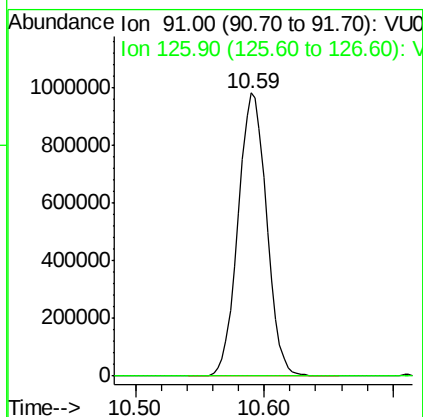
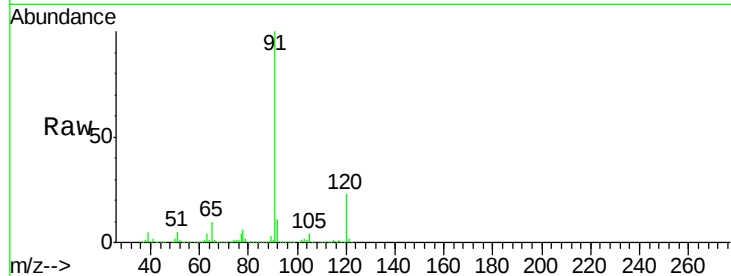




#79
 2-Chlorotoluene
 Concen: 158.566 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. -0.07 min
 Lab File: VU024544.D
 Acq: 14 Jun 2018 16:53

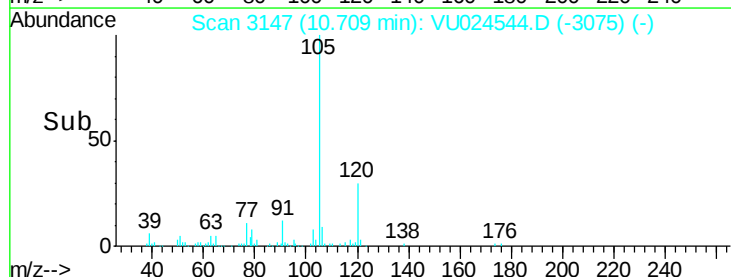
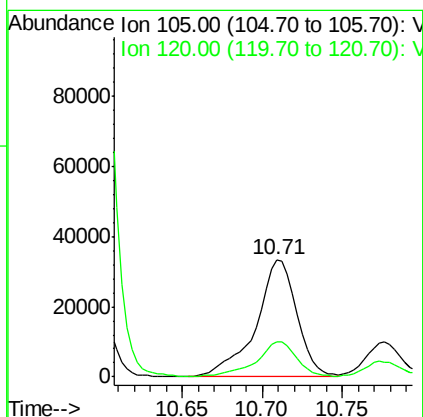
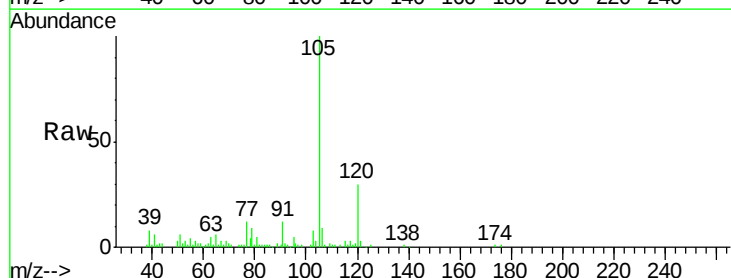
Instrument :
 MSVOA_U
 ClientSampleId :

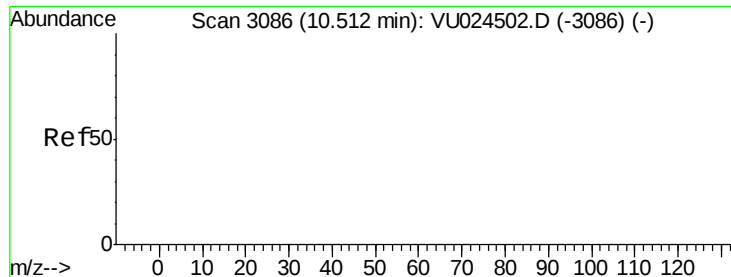
Tot Ion: 91 Resp: 1506918
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.9 50.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 4.960 ug/l
 RT: 10.71 min Scan# 3147
 Delta R.T. -0.07 min
 Lab File: VU024544.D
 Acq: 14 Jun 2018 16:53

Tgt Ion:105 Resp: 58818
 Ion Ratio Lower Upper
 105 100
 120 30.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 5.343 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.08 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

ClientSampleId :

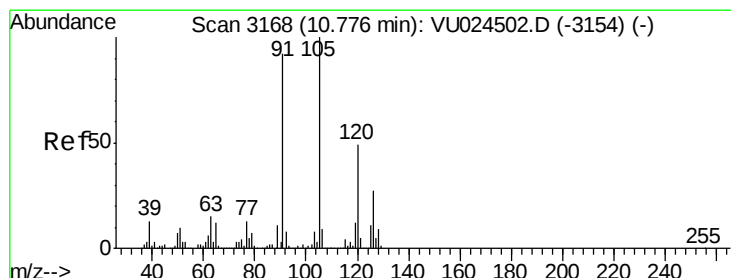
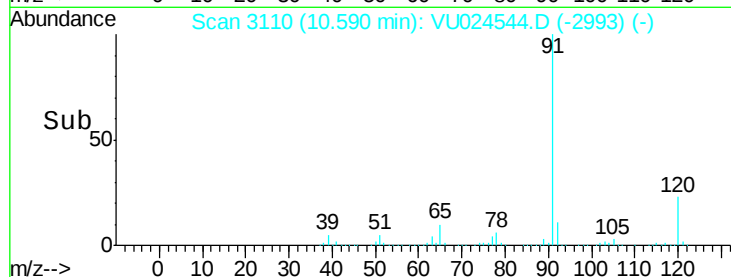
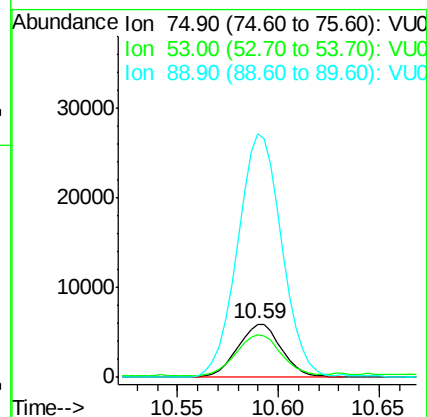
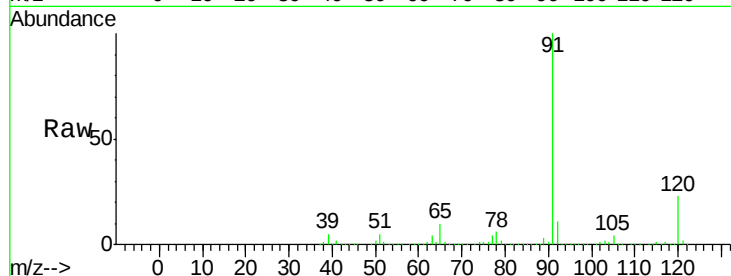
Tot Ion: 75 Resp: 9056

Ion Ratio Lower Upper

75 100

53 79.9 0.0 0.0#

89 460.1 0.0 0.0#



#82

4-Chlorotoluene

Concen: 136.236 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.19 min

Lab File: VU024544.D

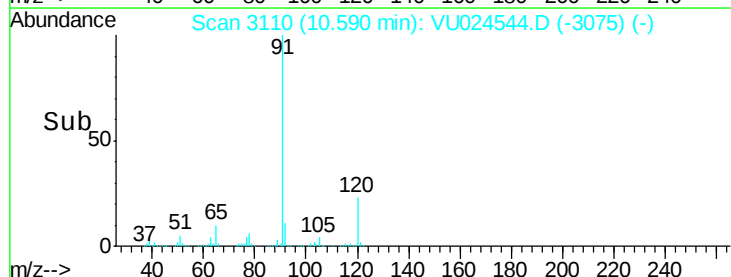
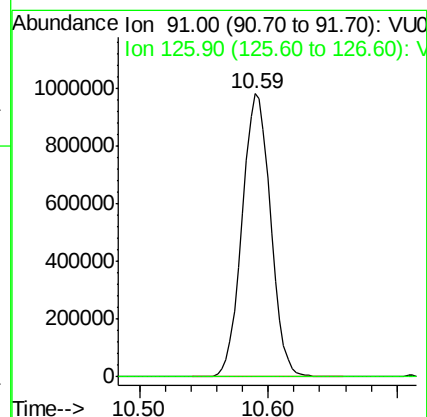
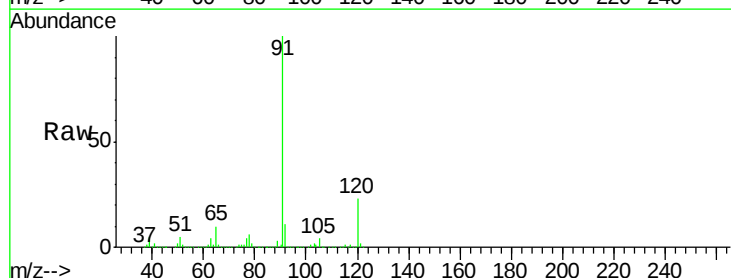
Acq: 14 Jun 2018 16:53

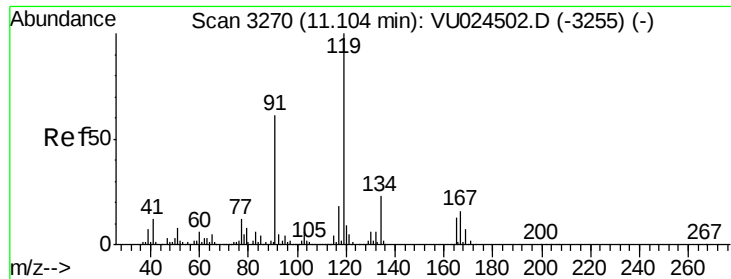
Tgt Ion: 91 Resp: 1506918

Ion Ratio Lower Upper

91 100

126 0.0 14.9 44.9#





#83

tert-Butylbenzene

Concen: 3.079 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

ClientSampleId :

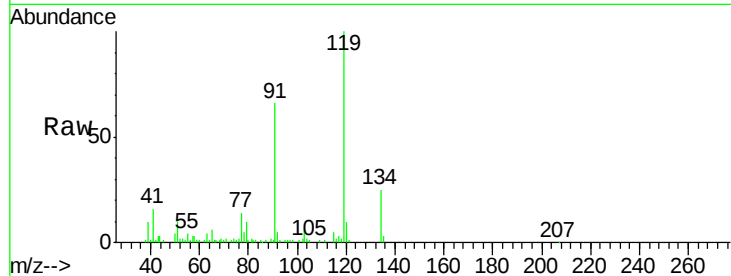
Tot Ion:119 Resp: 35122

Ion Ratio Lower Upper

119 100

91 66.5 29.7 89.1

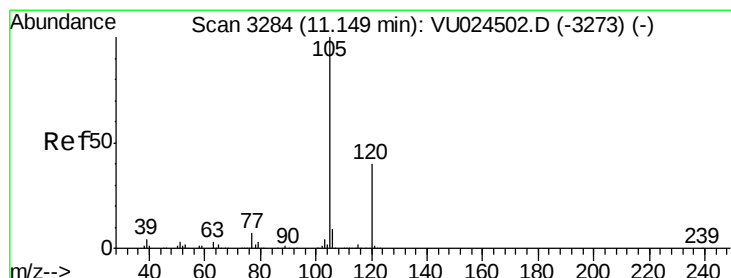
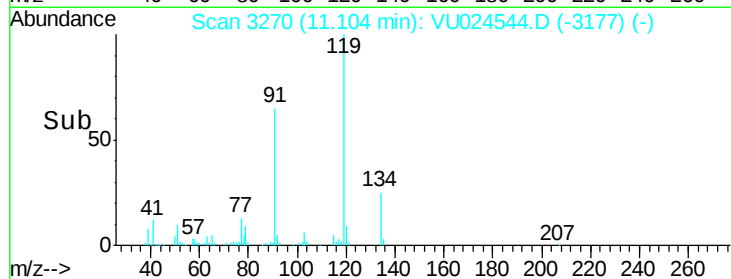
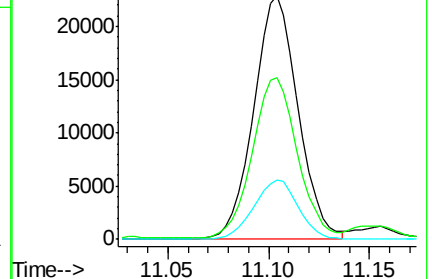
134 24.4 11.6 34.7



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: 1.323 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024544.D

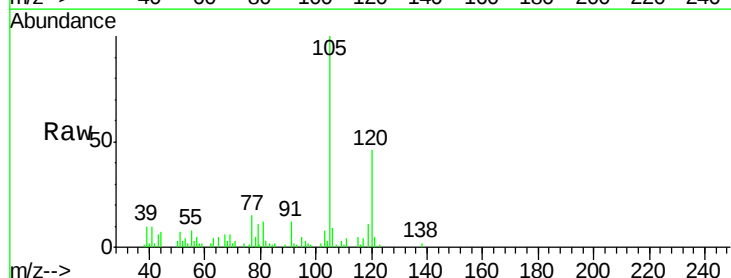
Acq: 14 Jun 2018 16:53

Tgt Ion:105 Resp: 15986

Ion Ratio Lower Upper

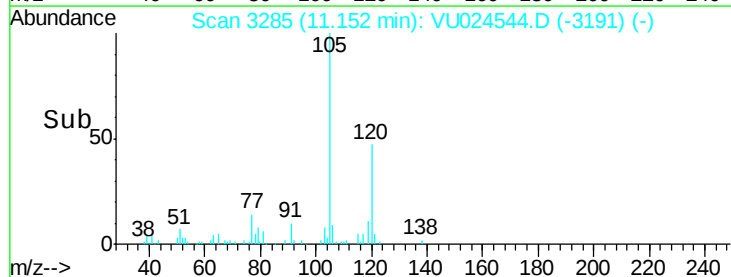
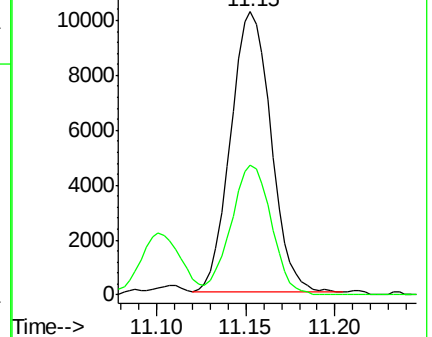
105 100

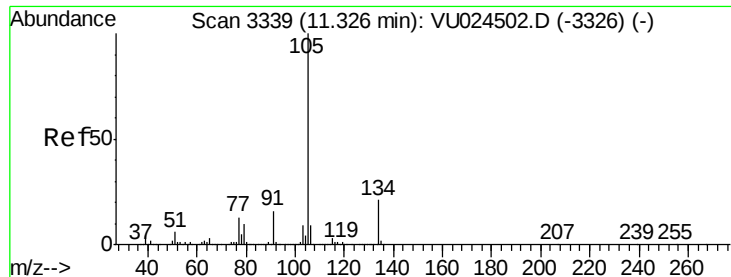
120 46.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 12.640 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

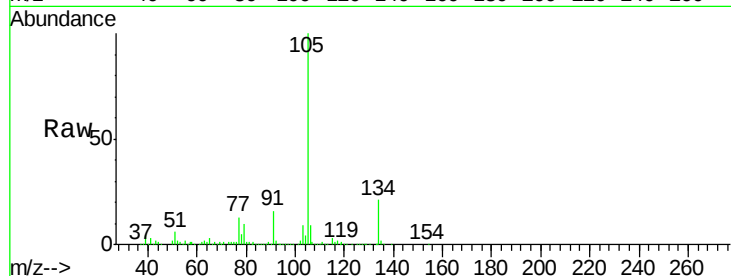
ClientSampled :

Tot Ion:105 Resp: 180460

Ion Ratio Lower Upper

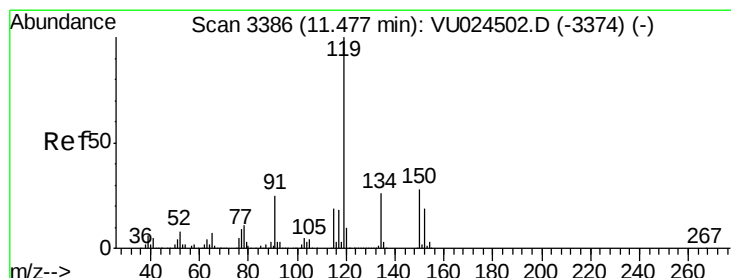
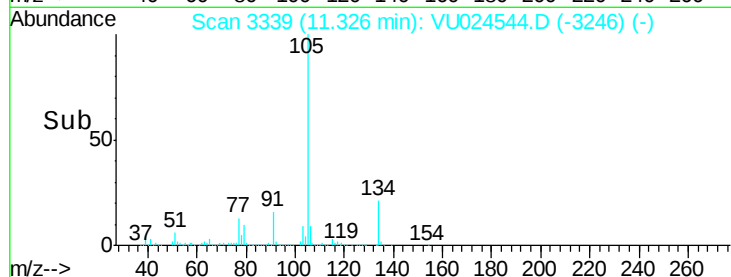
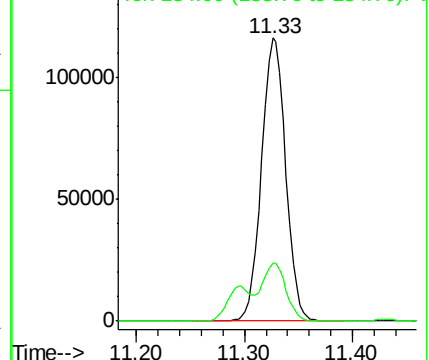
105 100

134 19.8 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: 6.225 ug/l

RT: 11.69 min Scan# 3453

Delta R.T. 0.22 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

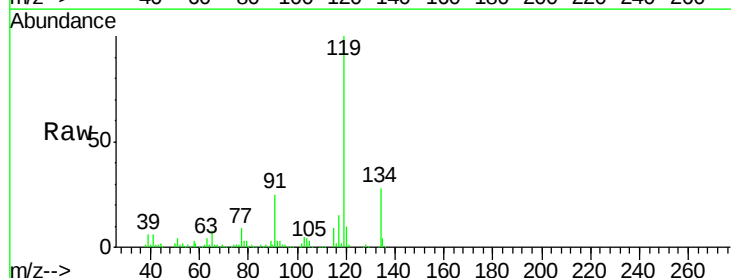
Tgt Ion:119 Resp: 79599

Ion Ratio Lower Upper

119 100

134 28.3 12.9 38.6

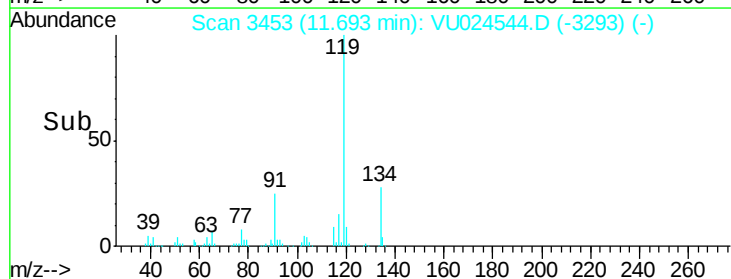
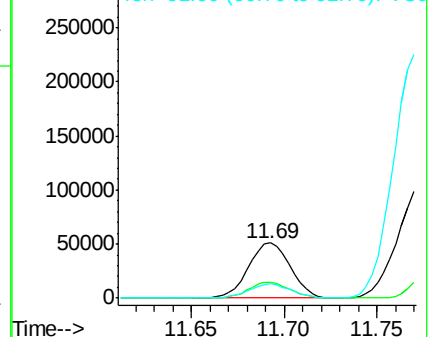
91 25.1 12.0 36.1

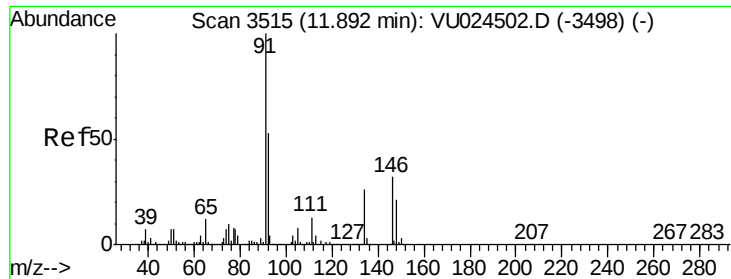


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#89

n-Butylbenzene

Concen: 9.452 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

ClientSampleId :

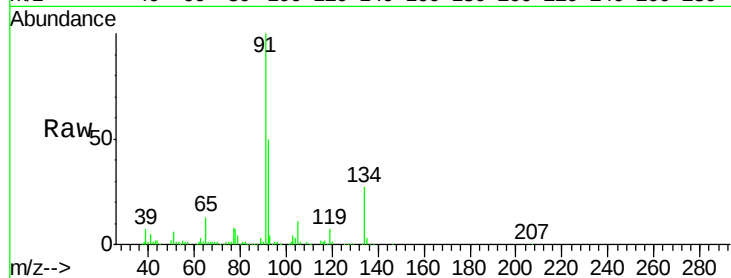
Tot Ion: 91 Resp: 107307

Ion Ratio Lower Upper

91 100

92 44.9 25.6 76.8

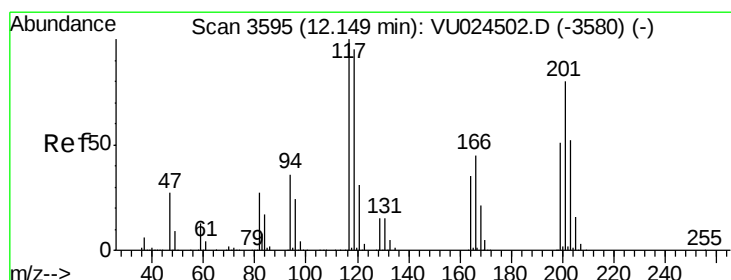
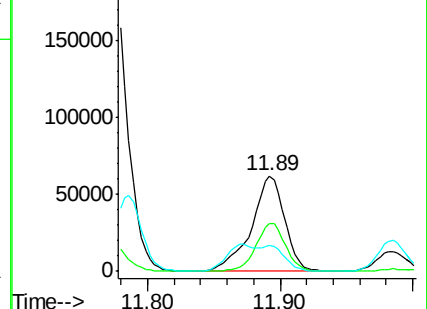
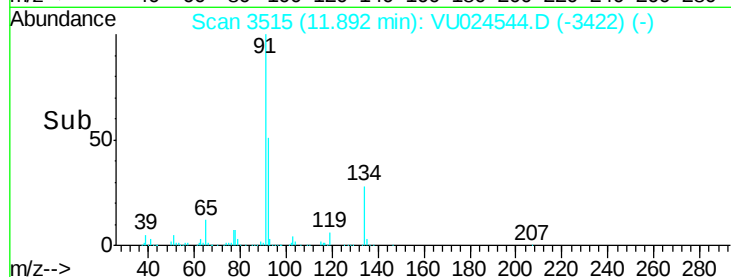
134 0.0 12.3 36.8#



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3498) (-)

Ion 92.00 (91.70 to 92.70): VU024502.D (-3498) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3498) (-)



#90

Hexachloroethane

Concen: 21.756 ug/l

RT: 12.26 min Scan# 3628

Delta R.T. 0.11 min

Lab File: VU024544.D

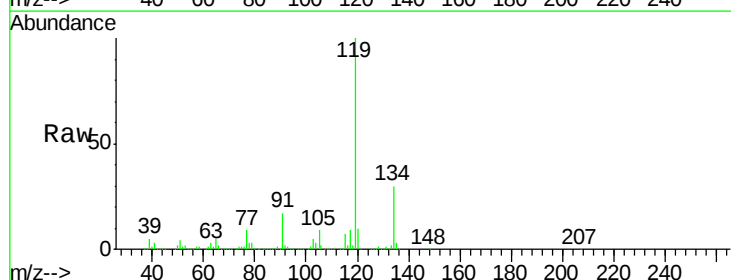
Acq: 14 Jun 2018 16:53

Tgt Ion: 117 Resp: 54269

Ion Ratio Lower Upper

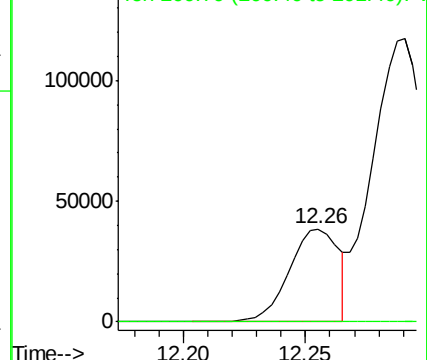
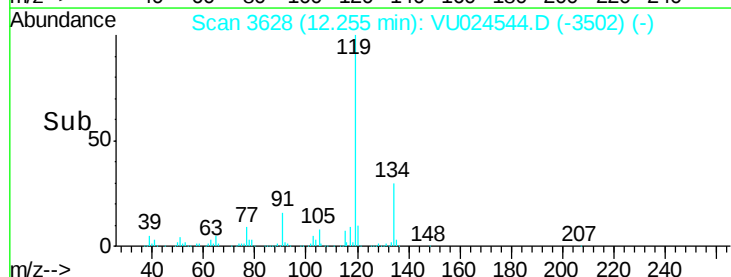
117 100

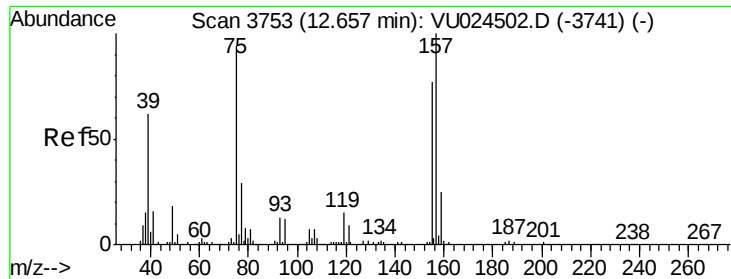
201 0.0 41.1 123.3#



Abundance Ion 116.80 (116.50 to 117.50): VU024502.D (-3580) (-)

Ion 200.70 (200.40 to 201.40): VU024502.D (-3580) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.460 ug/l

RT: 12.65 min Scan# 3751

Delta R.T. -0.01 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

Instrument :

MSVOA_U

ClientSampled :

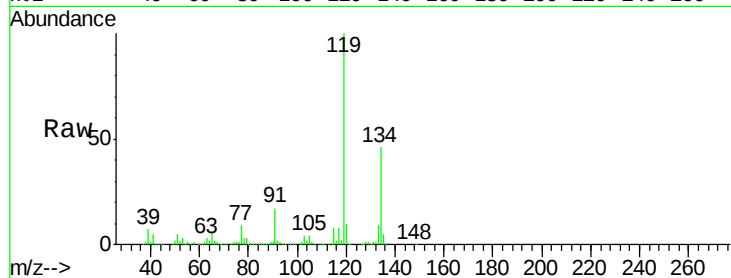
Tot Ion: 75 Resp: 3112

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

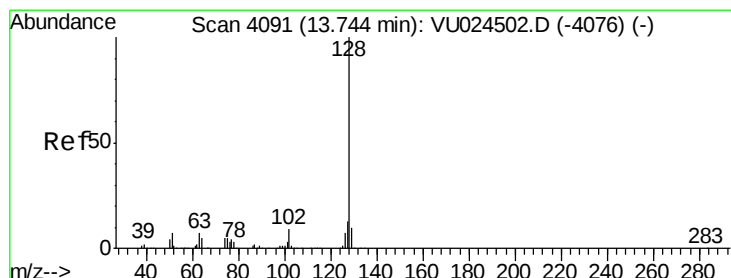
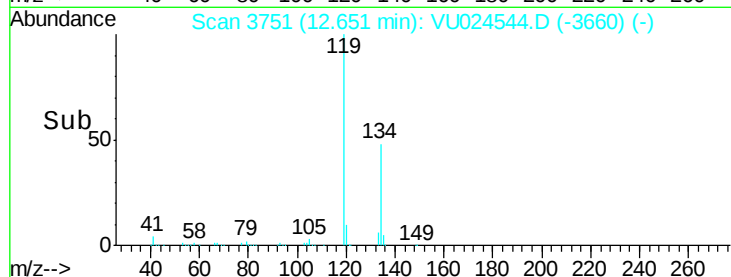
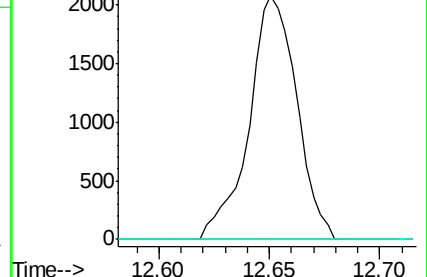
157 0.0 52.3 156.8#



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3741) (-)

Ion 154.80 (154.50 to 155.50): VU024502.D (-3741) (-)

Ion 156.80 (156.50 to 157.50): VU024502.D (-3741) (-)



#95

Naphthalene

Concen: 4.377 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024544.D

Acq: 14 Jun 2018 16:53

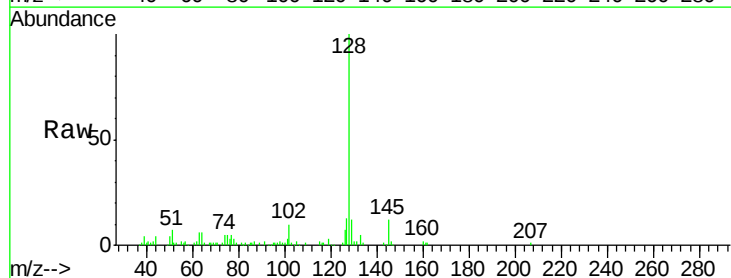
Tgt Ion: 128 Resp: 49111

Ion Ratio Lower Upper

128 100

127 13.8 10.6 16.0

129 15.5 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

