

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024549.D
 Acq On : 14 Jun 2018 18:49
 Operator : MD/SY
 Sample : J3451-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:42:53 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	188994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	316456	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	299641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	177296	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	140267	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	
35) Dibromofluoromethane	4.89	113	127714	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	7.57	98	463855	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	10.31	95	178549	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	357	Below Cal	#	45
8) Diethyl Ether	2.10	74	20	Below Cal	#	1
11) Tert butyl alcohol	2.83	59	1507	2.008	ug/l #	34
13) Acrolein	2.15	56	276	0.700	ug/l	100
16) Acetone	2.32	43	208419	125.723	ug/l	97
17) Carbon Disulfide	2.48	76	3508	0.509	ug/l #	87
18) Methyl Acetate	2.44	43	14552	4.095	ug/l #	53
20) Methylene Chloride	2.71	84	717	0.276	ug/l #	67
25) 2-Butanone	4.27	43	30563	13.725	ug/l	99
28) Bromochloromethane	4.63	49	2304	1.148	ug/l #	16
29) Tetrahydrofuran	4.64	42	1320948	957.934	ug/l	99
31) Cyclohexane	4.98	56	4436	Below Cal	#	16
36) 1,1-Dichloropropene	4.99	75	12993	3.494	ug/l #	51
37) Ethyl Acetate	4.27	43	30563	7.541	ug/l #	71
38) Carbon Tetrachloride	4.99	117	17359	4.245	ug/l #	15
40) Benzene	5.40	78	2960	0.279	ug/l #	89
41) Methacrylonitrile	4.64	41	724171	331.393	ug/l #	46
43) Isopropyl Acetate	5.60	43	3732	0.533	ug/l #	62
51) 4-Methyl-2-Pentanone	7.47	43	1518	0.345	ug/l	93
52) Toluene	7.64	92	11327	1.662	ug/l	94
67) Ethyl Benzene	9.26	91	29069	2.166	ug/l	99
68) m/p-Xylenes	9.38	106	26291	5.102	ug/l	100
69) o-Xylene	9.78	106	23693	4.646	ug/l	94
73) Isopropylbenzene	10.17	105	6925	0.509	ug/l	100
76) 1,2,3-Trichloropropane	10.31	75	89209	22.854	ug/l #	36
78) n-propylbenzene	10.59	91	10368	0.647	ug/l	100
79) 2-Chlorotoluene	10.69	91	6042	0.639	ug/l #	41
80) 1,3,5-Trimethylbenzene	10.78	105	20695	1.754	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.31	75	89209	52.894	ug/l #	100
82) 4-Chlorotoluene	10.78	91	2560	0.233	ug/l #	45
83) tert-Butylbenzene	11.15	119	5248	0.462	ug/l #	58
84) 1,2,4-Trimethylbenzene	11.15	105	41645	3.464	ug/l	97
89) n-Butylbenzene	11.89	91	2987	0.264	ug/l #	17
90) Hexachloroethane	12.15	117	540	0.218	ug/l #	8

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Response via : Initial Calibration

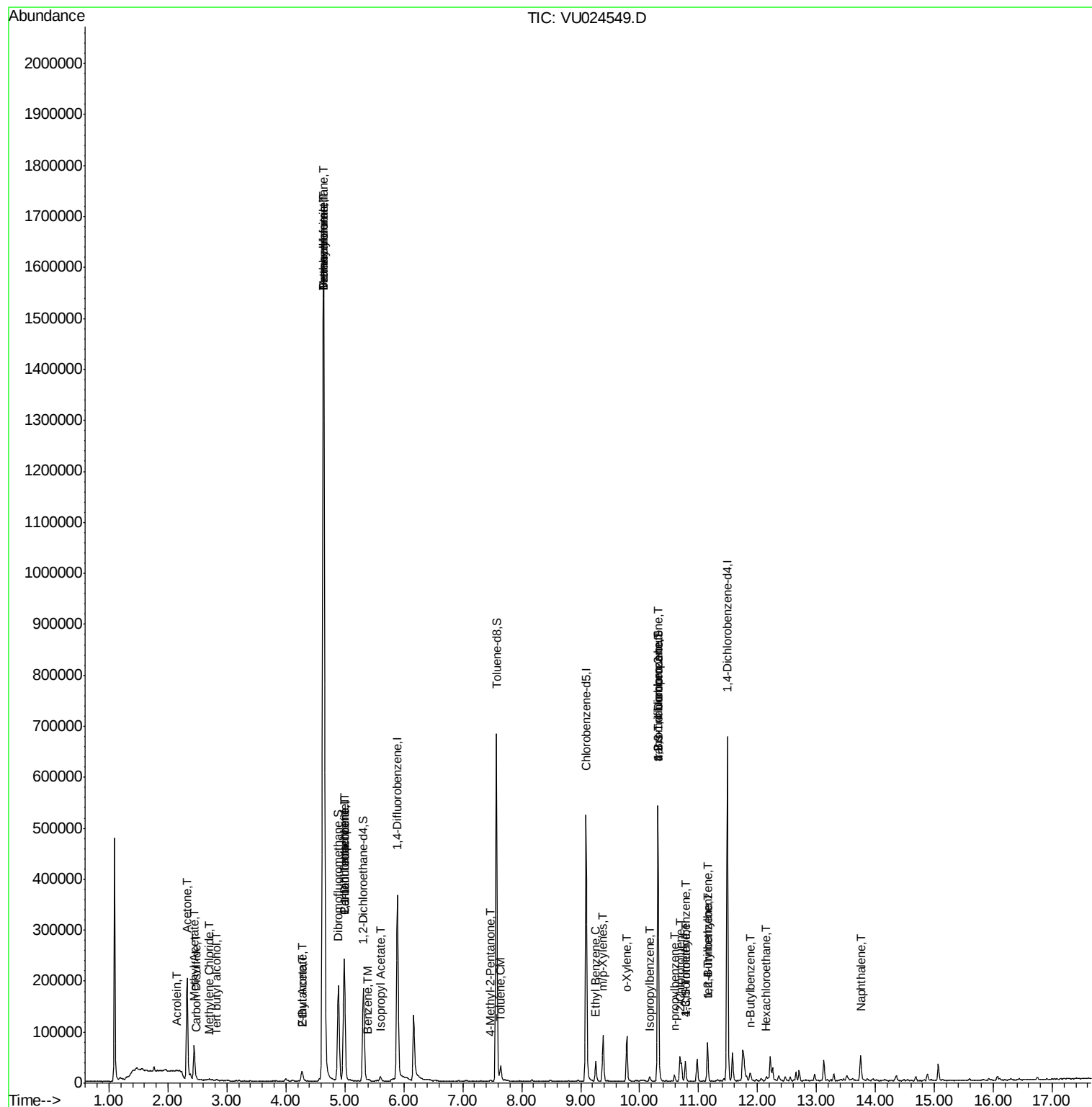
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	13.75	128	35463	3.363	ug/l	98

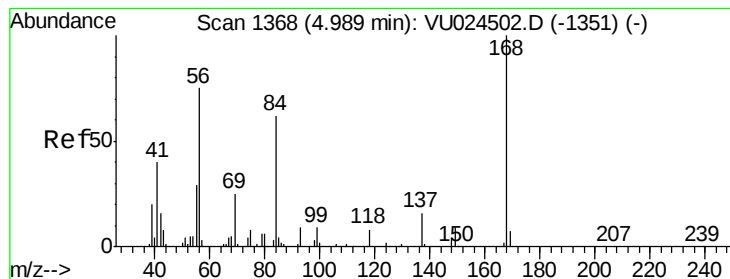
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_U

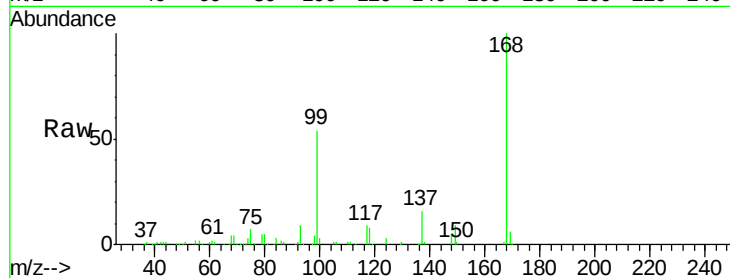
ClientSampleId :

Tot Ion:168 Resp: 188994

Ion Ratio Lower Upper

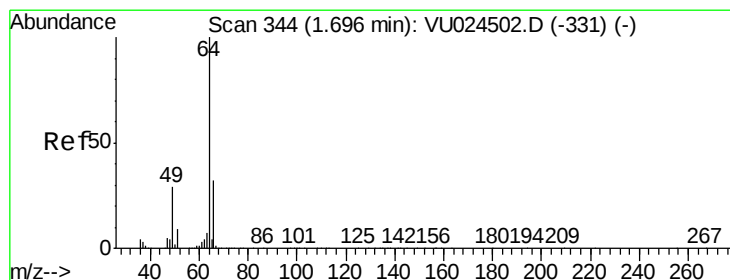
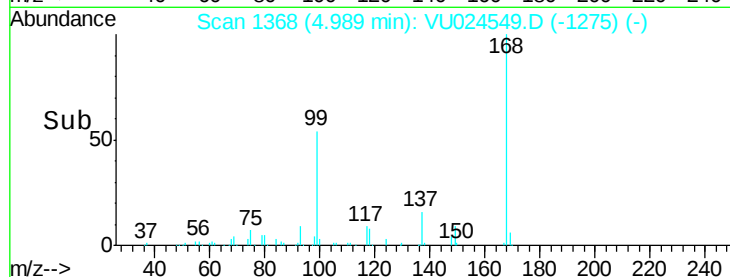
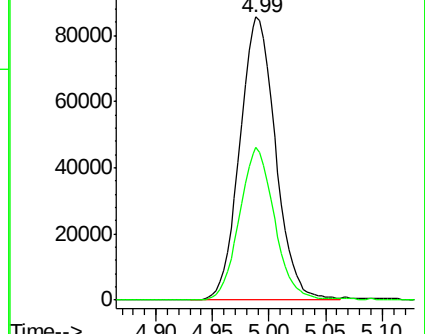
168 100

99 53.8 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) (-)



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 362

Delta R.T. 0.06 min

Lab File: VU024549.D

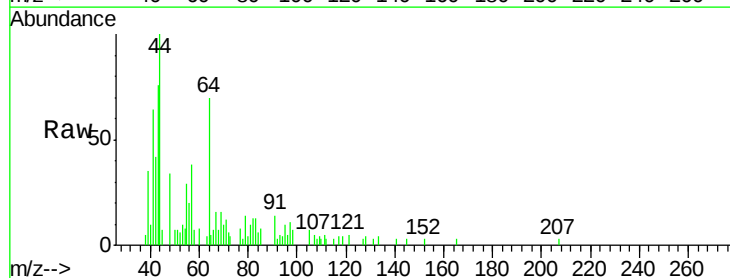
Acq: 14 Jun 2018 18:49

Tgt Ion: 64 Resp: 357

Ion Ratio Lower Upper

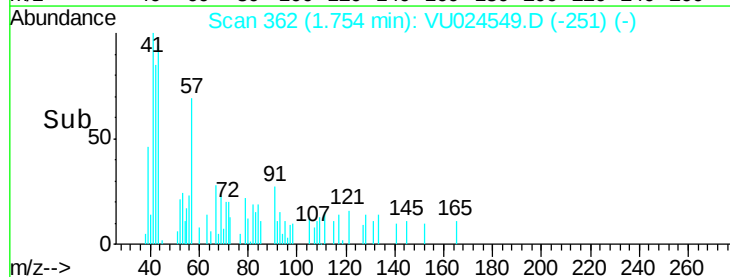
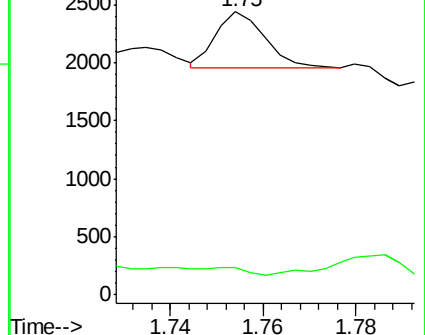
64 100

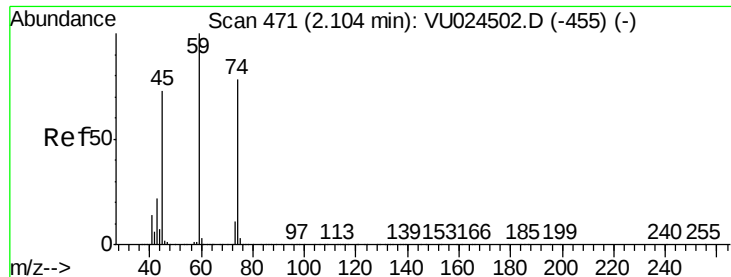
66 1.0 25.5 38.3#



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

Ion 65.90 (65.60 to 66.60): VU024502.D (-331) (-)





#8

Diethyl Ether

Concen: Below Cal

RT: 2.10 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_U

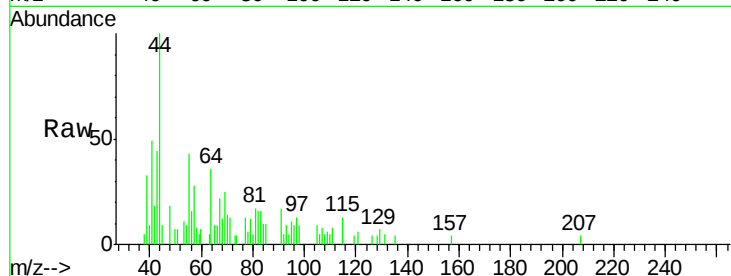
ClientSampleId :

Tot Ion: 74 Resp: 20

Ion Ratio Lower Upper

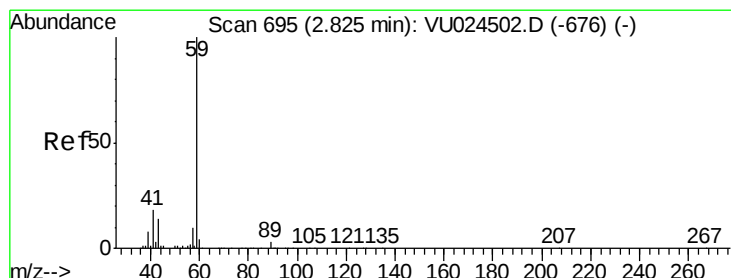
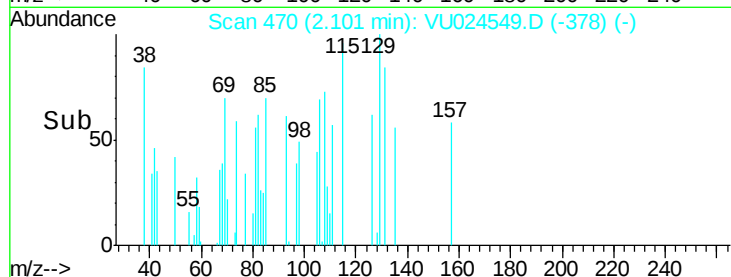
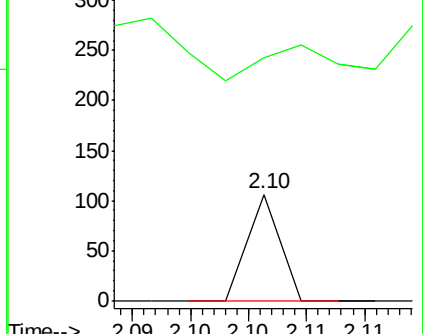
74 100

45 0.0 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



#11

Tert butyl alcohol

Concen: 2.008 ug/l

RT: 2.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VU024549.D

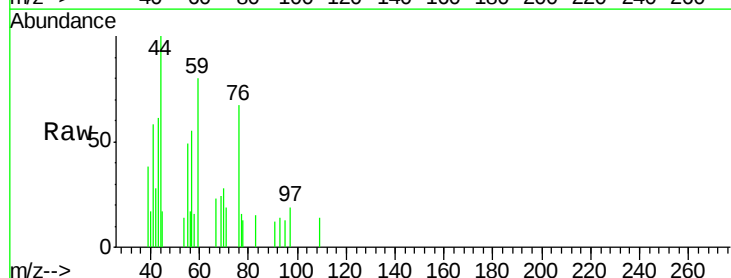
Acq: 14 Jun 2018 18:49

Tgt Ion: 59 Resp: 1507

Ion Ratio Lower Upper

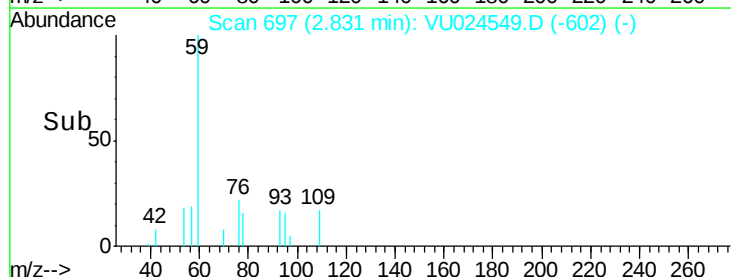
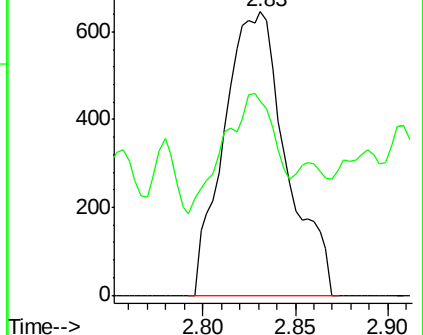
59 100

57 35.4 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

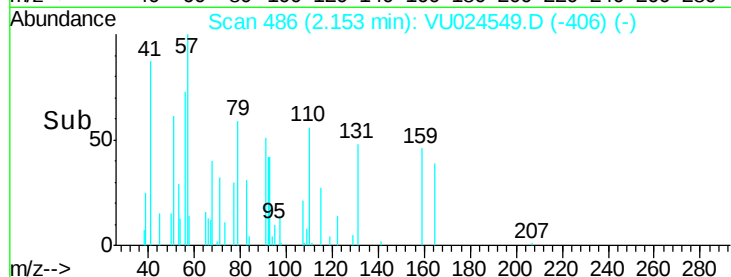
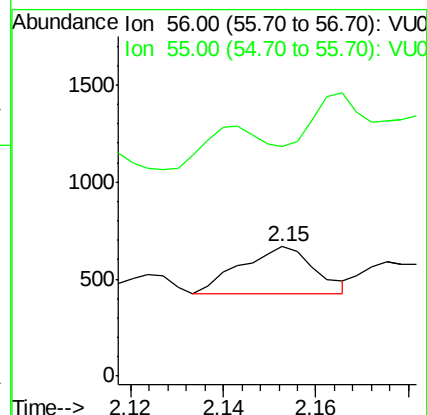
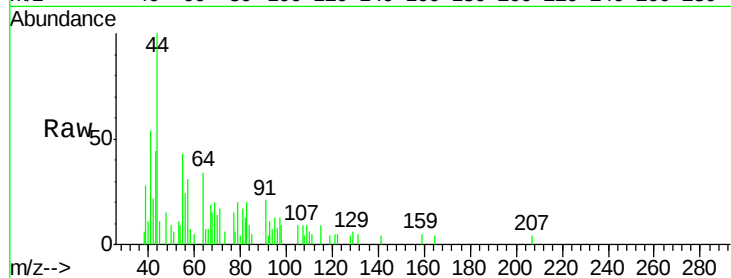




#13
Acrolein
Concen: 0.700 ug/l
RT: 2.15 min Scan# 486
Delta R.T. -0.04 min
Lab File: VU024549.D
Acq: 14 Jun 2018 18:49

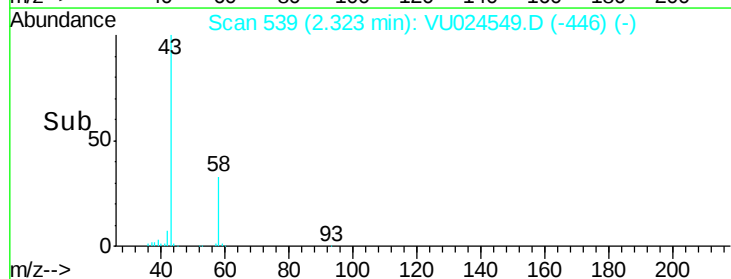
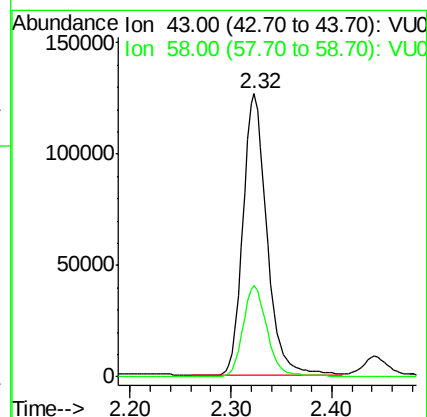
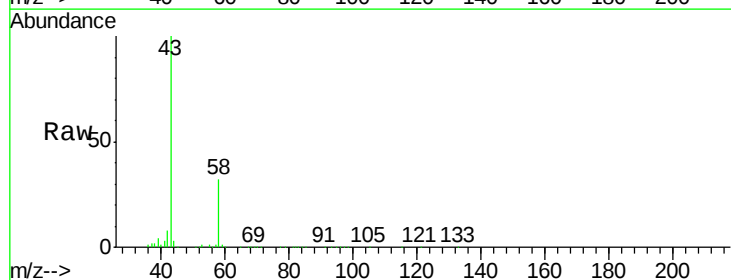
Instrument :
MSVOA_U
ClientSampleId :

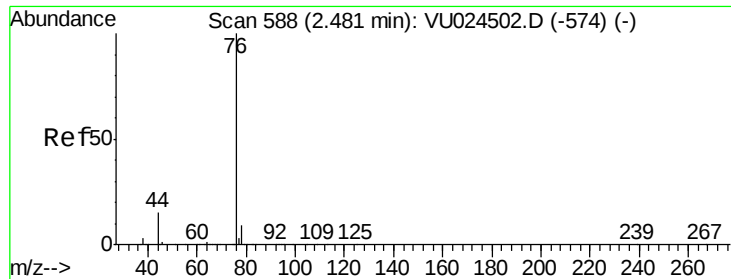
Tot Ion: 56 Resp: 276
Ion Ratio Lower Upper
56 100
55 72.8 58.4 87.6



#16
Acetone
Concen: 125.723 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU024549.D
Acq: 14 Jun 2018 18:49

Tgt Ion: 43 Resp: 208419
Ion Ratio Lower Upper
43 100
58 32.4 24.4 36.6





#17

Carbon Disulfide

Concen: 0.509 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_U

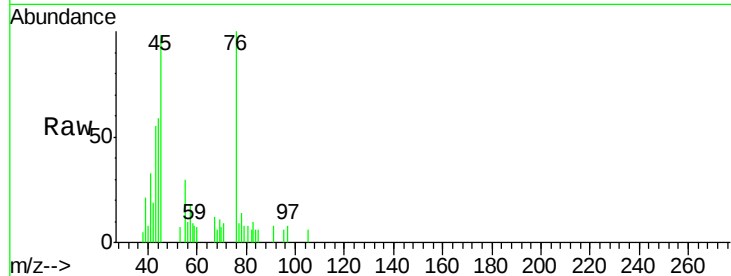
ClientSampleId :

Tot Ion: 76 Resp: 3508

Ion Ratio Lower Upper

76 100

78 13.6 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

2000

1500

1000

500

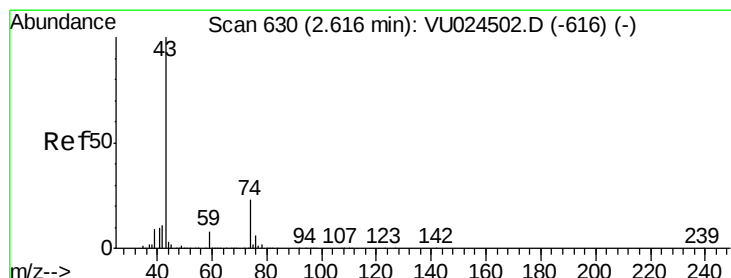
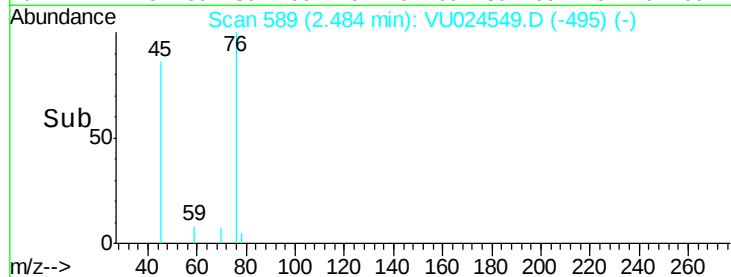
0

Time-->

2.45

2.50

2.55



#18

Methyl Acetate

Concen: 4.095 ug/l

RT: 2.44 min Scan# 576

Delta R.T. -0.17 min

Lab File: VU024549.D

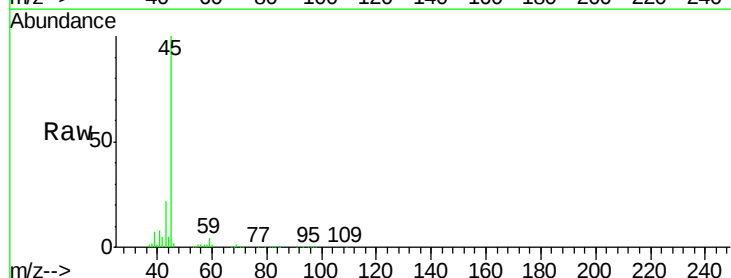
Acq: 14 Jun 2018 18:49

Tgt Ion: 43 Resp: 14552

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.44

10000

8000

6000

4000

2000

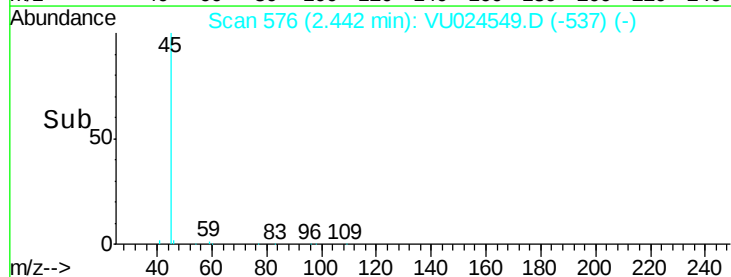
0

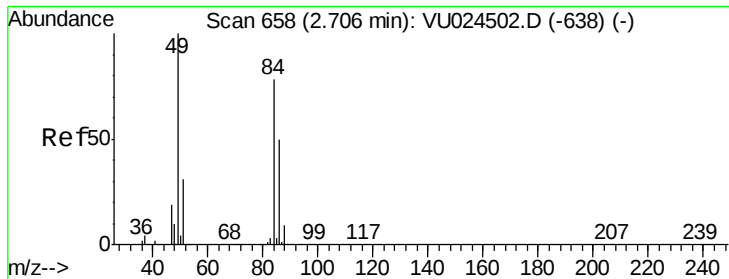
Time-->

2.40

2.45

2.50





#20

Methylene Chloride

Concen: 0.276 ug/l

RT: 2.71 min Scan# 660

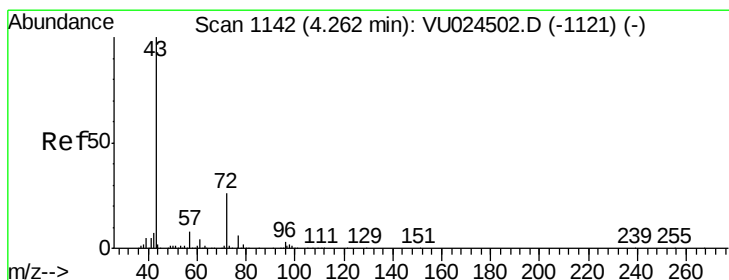
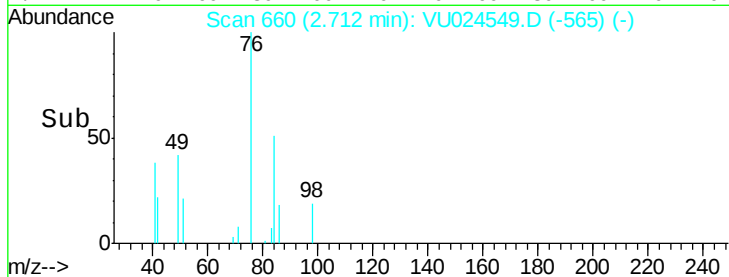
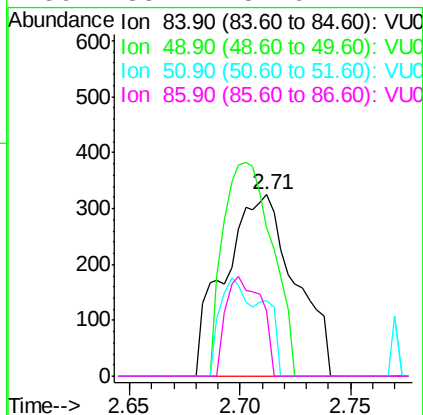
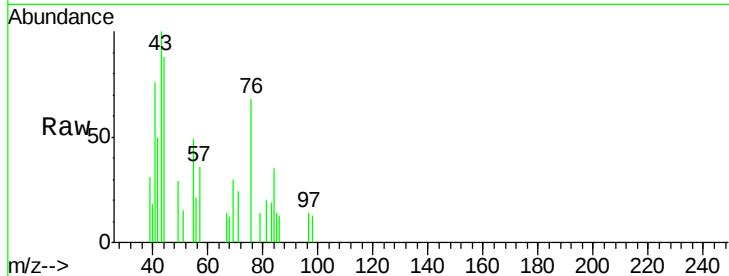
Delta R.T. 0.01 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	84	Resp:	717
Ion	Ratio	Lower	Upper
84	100		
49	81.8	103.8	155.8#
51	41.8	32.0	48.0
86	35.7	51.6	77.4#



#25

2-Butanone

Concen: 13.725 ug/l

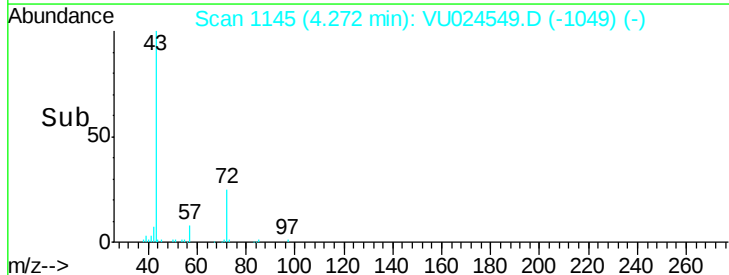
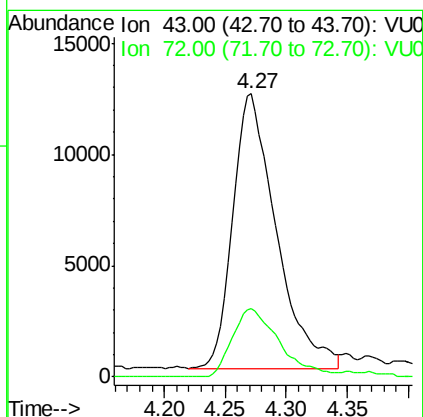
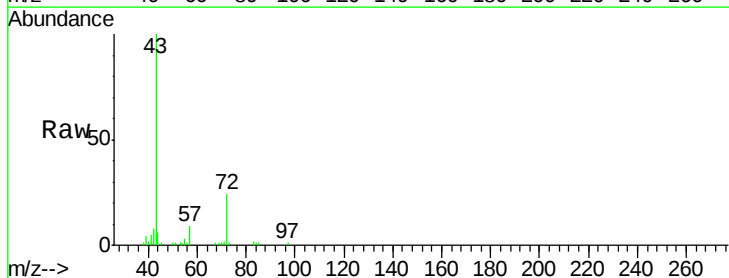
RT: 4.27 min Scan# 1145

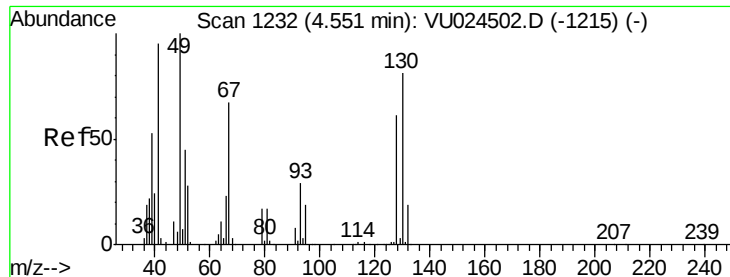
Delta R.T. 0.01 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

Tgt Ion:	43	Resp:	30563
Ion	Ratio	Lower	Upper
43	100		
72	24.8	19.6	29.4





#28

Bromochloromethane

Concen: 1.148 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. 0.08 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampled :

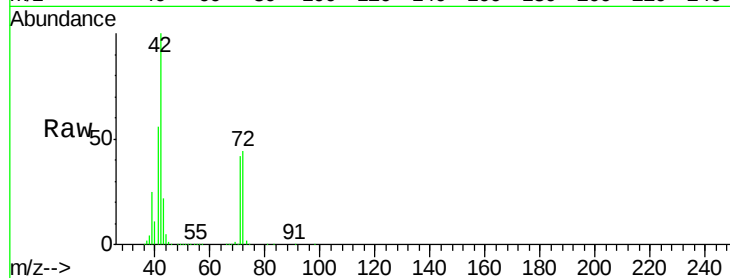
Tot Ion: 49 Resp: 2304

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

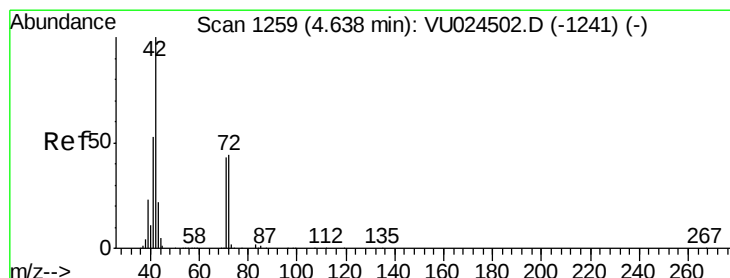
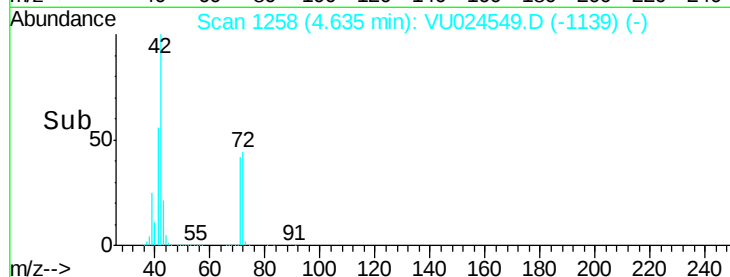
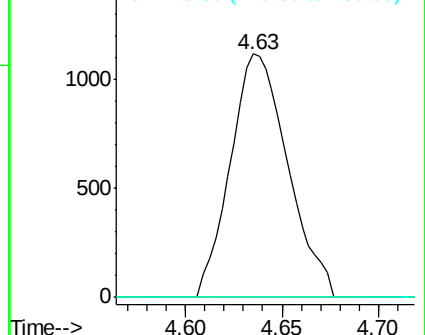
130 0.0 57.8 86.6#



Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 957.934 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

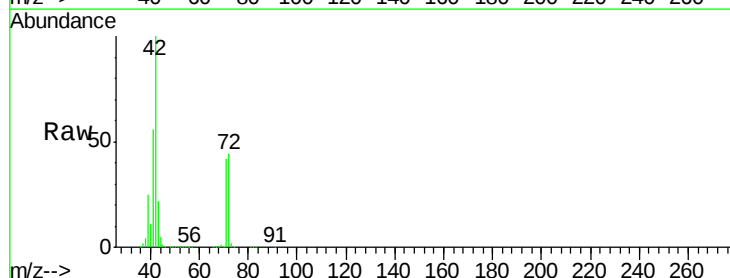
Tgt Ion: 42 Resp: 1320948

Ion Ratio Lower Upper

42 100

72 43.6 34.5 51.7

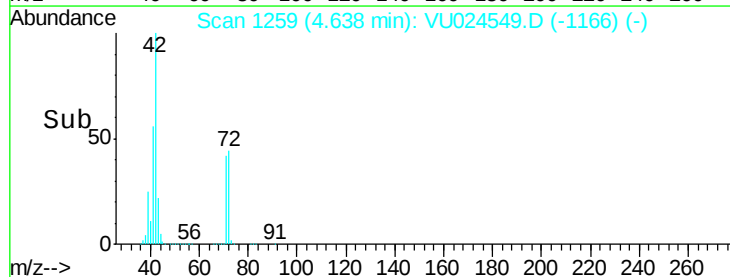
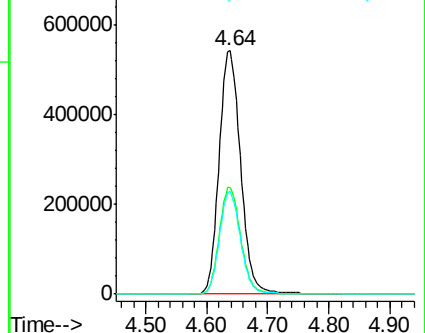
71 41.5 32.2 48.4

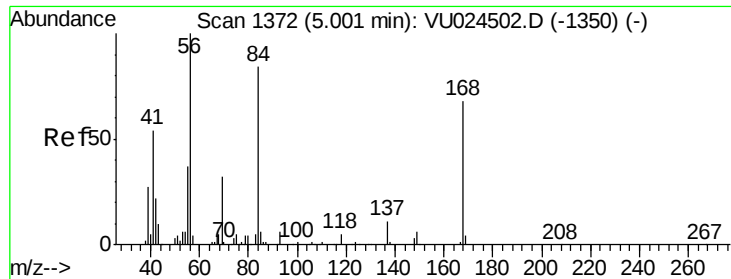


Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

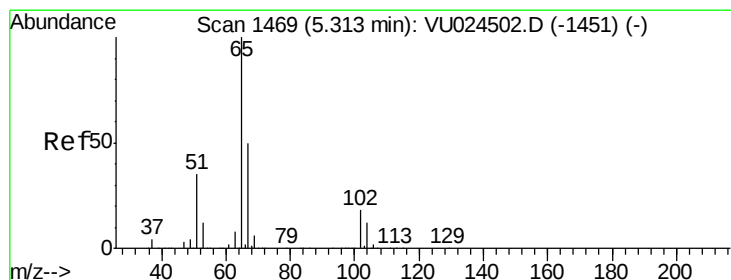
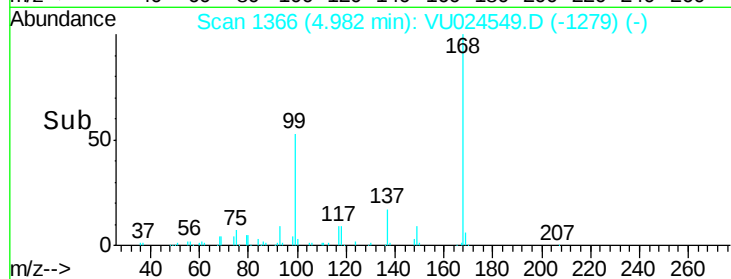
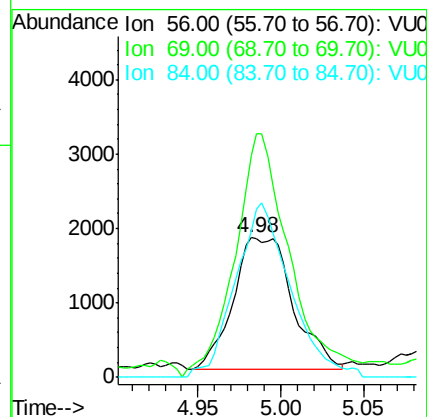
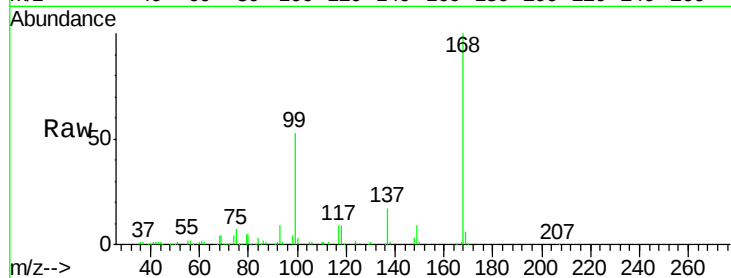




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU024549.D
Acq: 14 Jun 2018 18:49

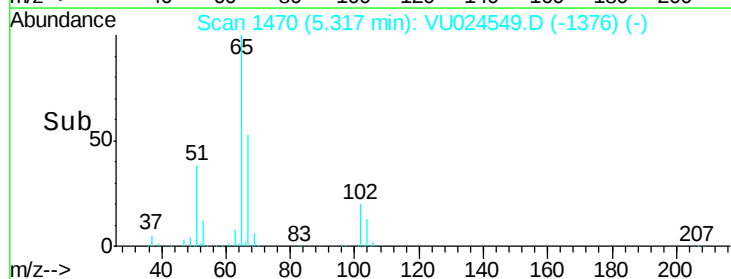
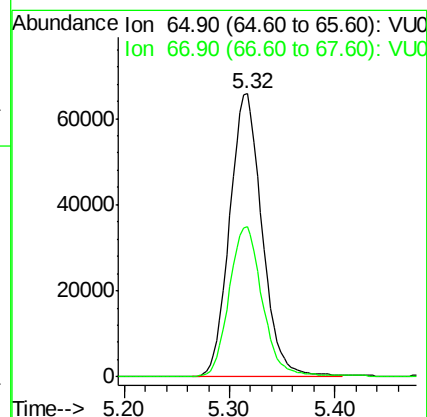
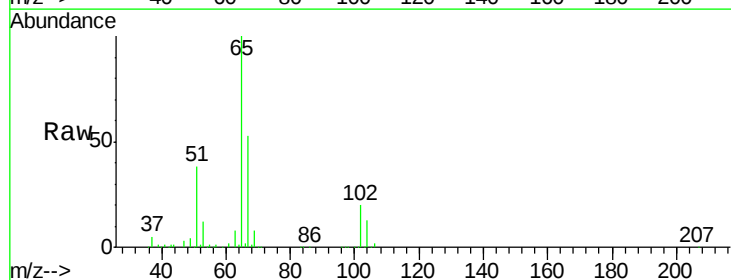
Instrument :
MSVOA_U
ClientSampleId :

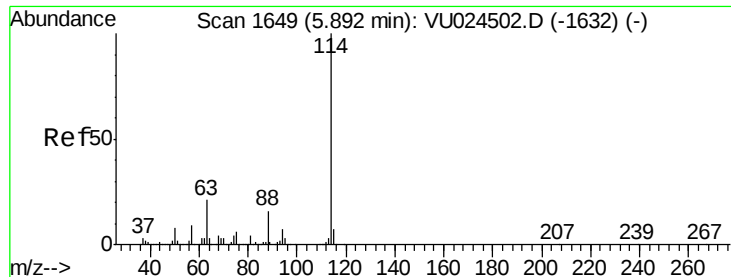
Tot Ion: 56 Resp: 4436
Ion Ratio Lower Upper
56 100
69 160.0 24.8 37.2#
84 104.9 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 45.462 ug/l
RT: 5.32 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VU024549.D
Acq: 14 Jun 2018 18:49

Tgt Ion: 65 Resp: 140267
Ion Ratio Lower Upper
65 100
67 53.4 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: VU024549.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

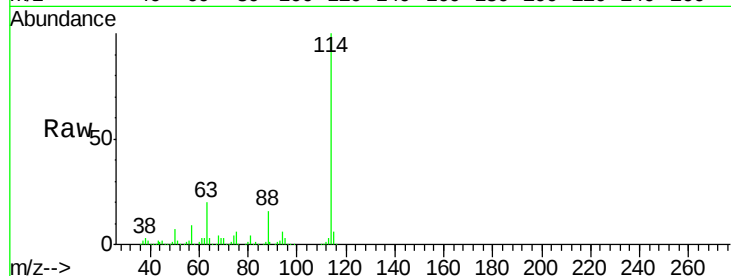
Tot Ion:114 Resp: 316456

Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.4

88 16.2 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

200000

150000

100000

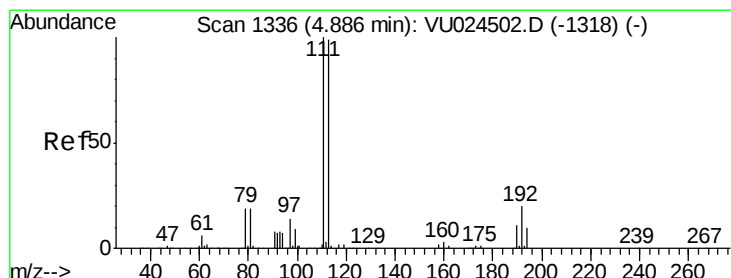
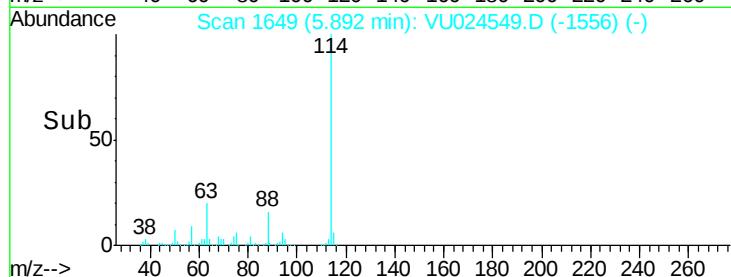
50000

0

5.89

5.80 5.90 6.00 6.10

Time-->



#35

Dibromofluoromethane

Concen: 48.628 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

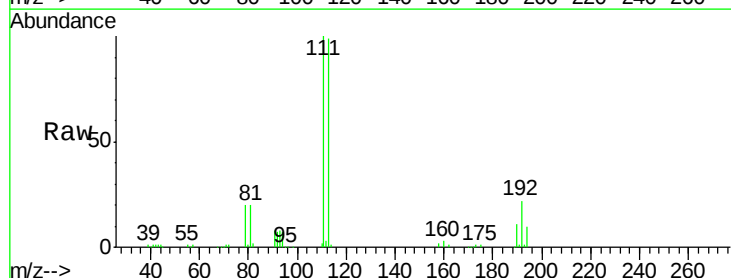
Tgt Ion:113 Resp: 127714

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

192 21.7 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

60000

40000

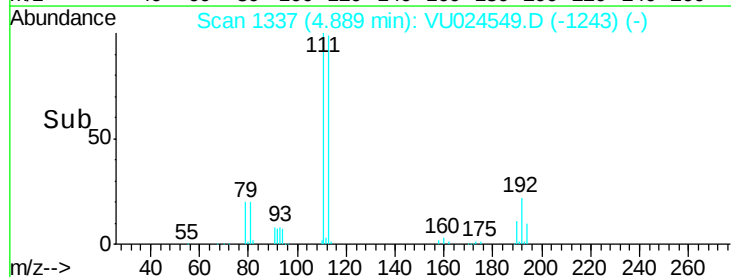
20000

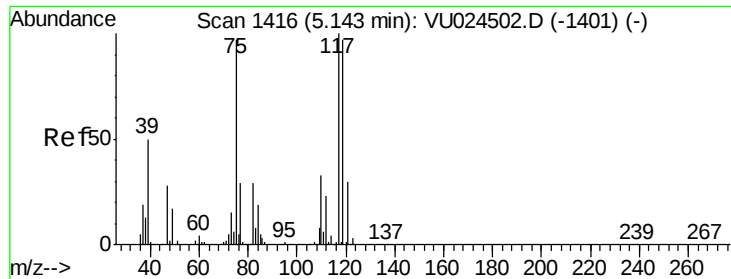
0

4.89

4.80 4.90 5.00

Time-->





#36

1,1-Dichloropropene

Concen: 3.494 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

Instrument :
MSVOA_U
ClientSampleId :

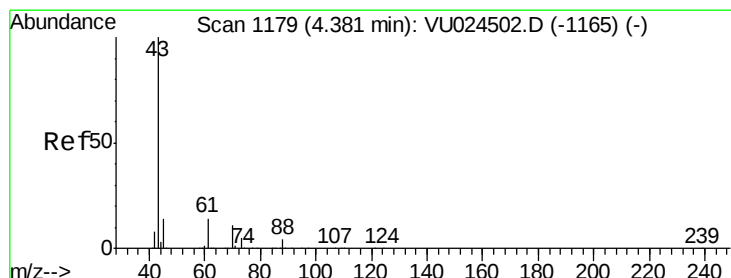
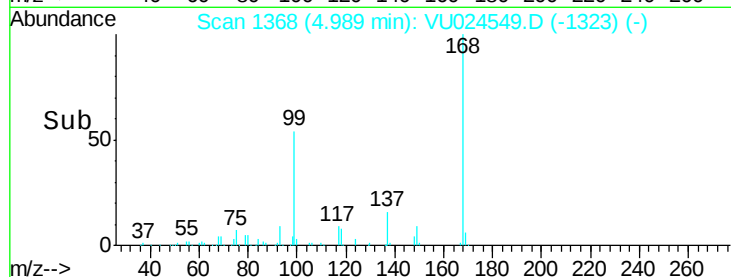
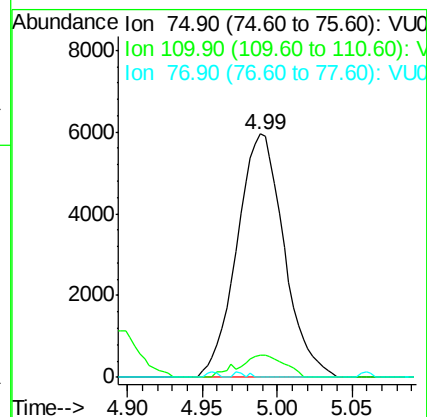
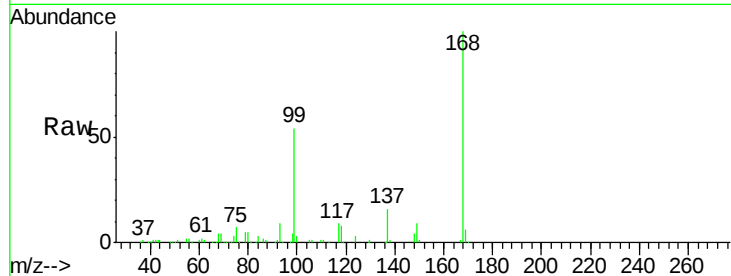
Tot Ion: 75 Resp: 12993

Ion Ratio Lower Upper

75 100

110 8.8 17.0 50.9#

77 0.5 24.2 36.4#



#37

Ethyl Acetate

Concen: 7.541 ug/l

RT: 4.27 min Scan# 1145

Delta R.T. -0.11 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

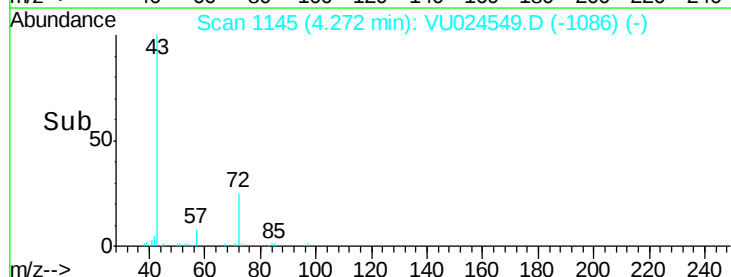
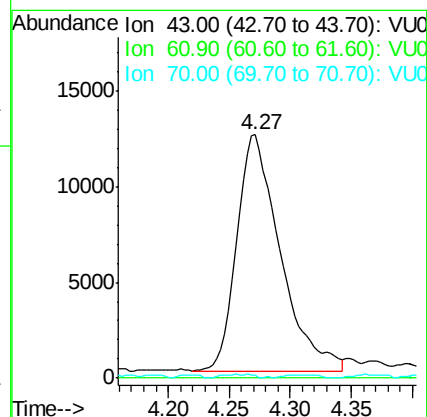
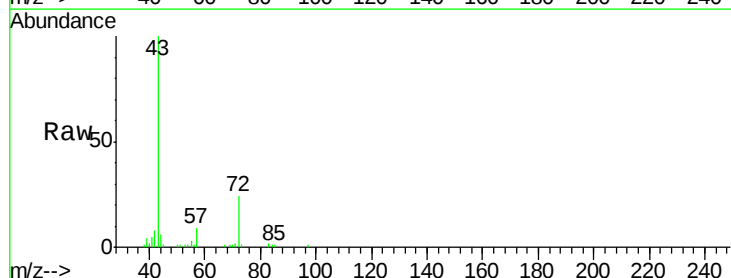
Tgt Ion: 43 Resp: 30563

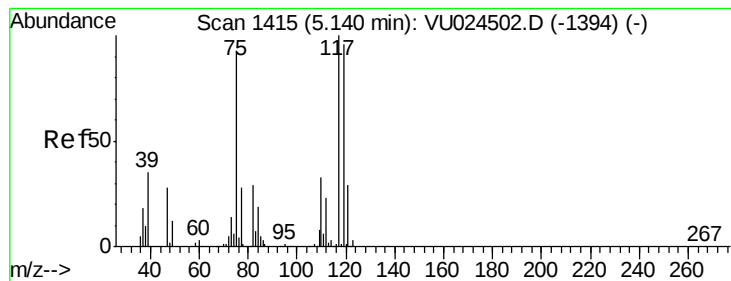
Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

70 1.1 7.4 11.2#





#38

Carbon Tetrachloride

Concen: 4.245 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

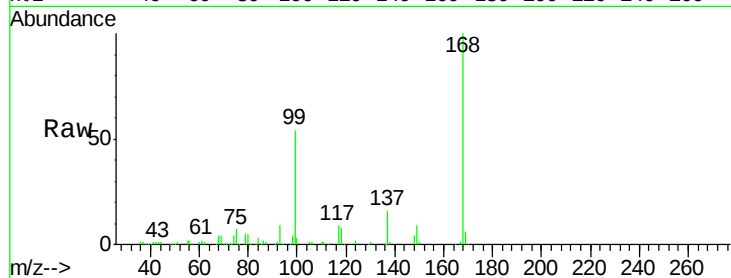
Tot Ion:117 Resp: 17359

Ion Ratio Lower Upper

117 100

119 4.0 76.1 114.1#

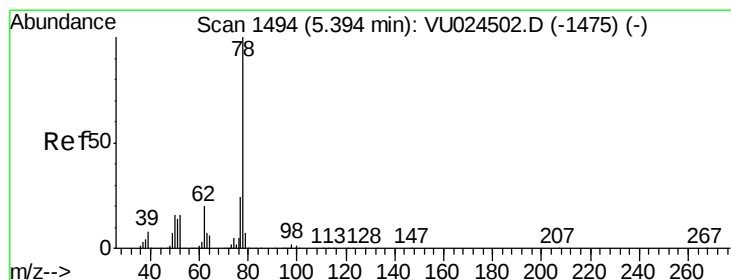
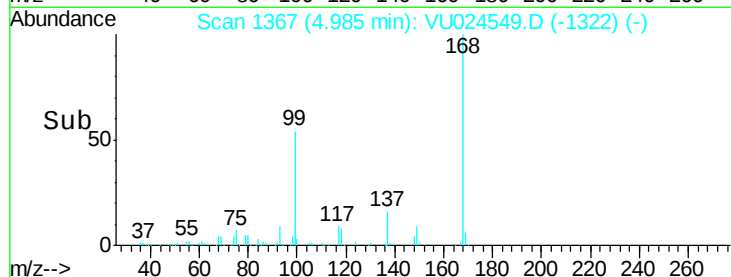
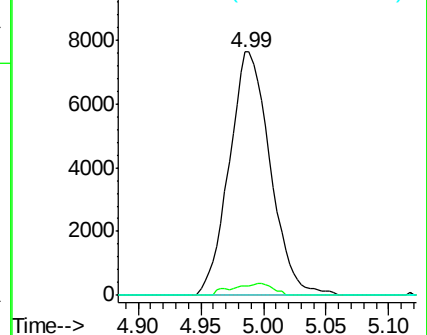
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 0.279 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU024549.D

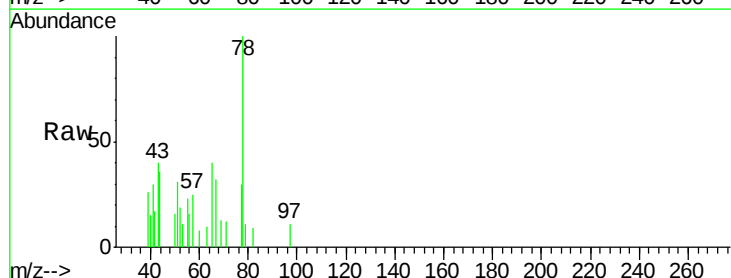
Acq: 14 Jun 2018 18:49

Tgt Ion: 78 Resp: 2960

Ion Ratio Lower Upper

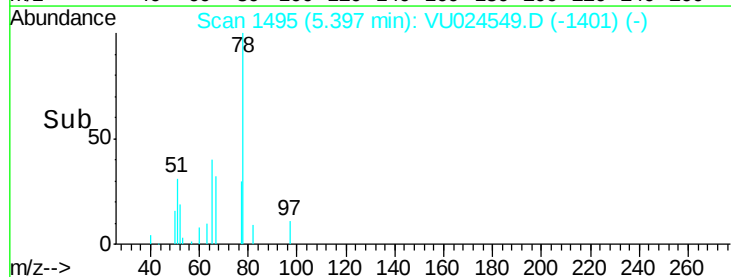
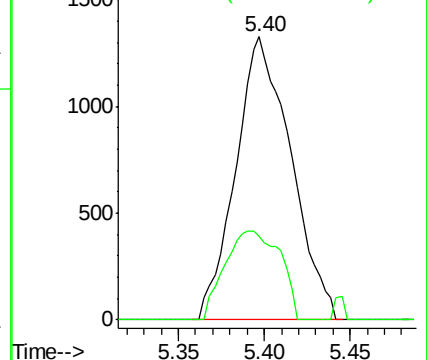
78 100

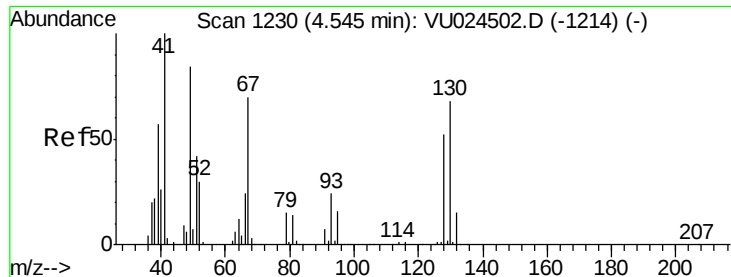
77 29.6 19.2 28.8#



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#41

Methacrylonitrile

Concen: 331.393 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.09 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 724171

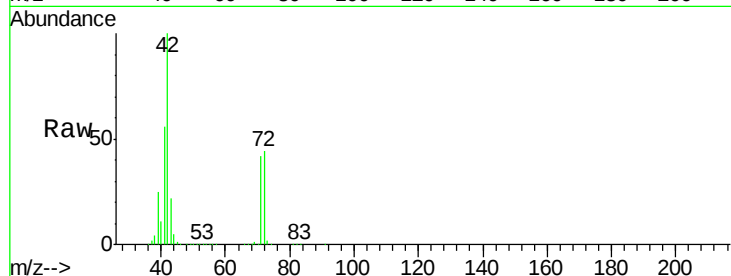
Ion Ratio Lower Upper

41 100

39 44.2 43.8 65.6

67 0.0 56.3 84.5#

52 0.1 23.2 34.8#

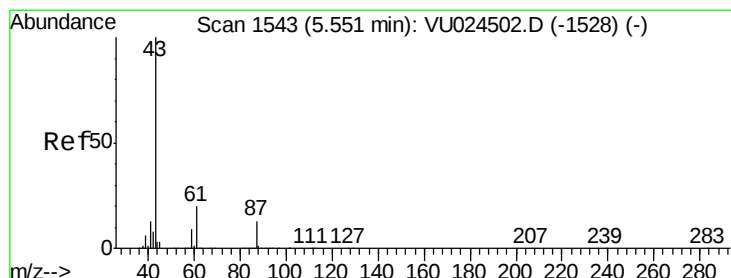
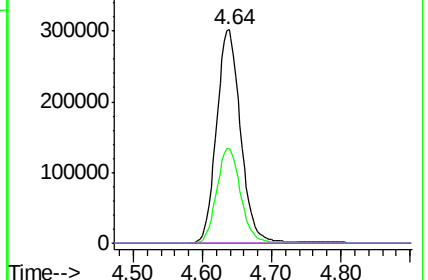
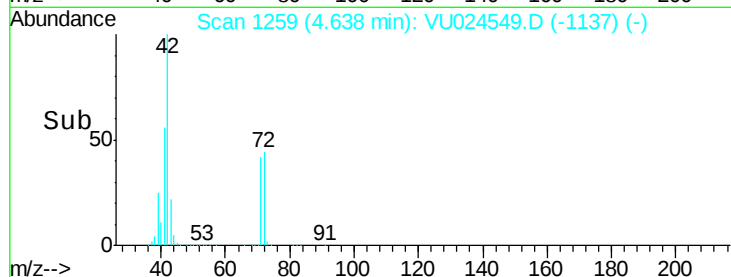


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#43

Isopropyl Acetate

Concen: 0.533 ug/l

RT: 5.60 min Scan# 1558

Delta R.T. 0.05 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

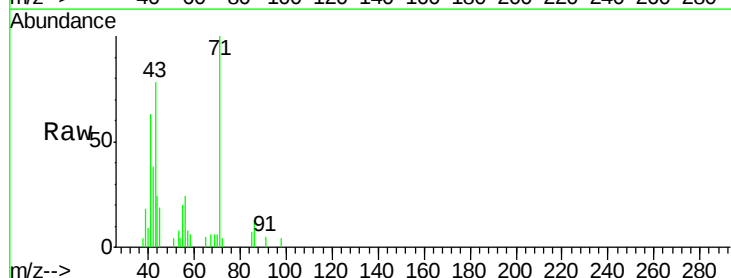
Tgt Ion: 43 Resp: 3732

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

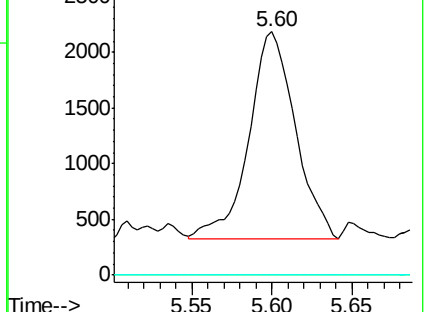
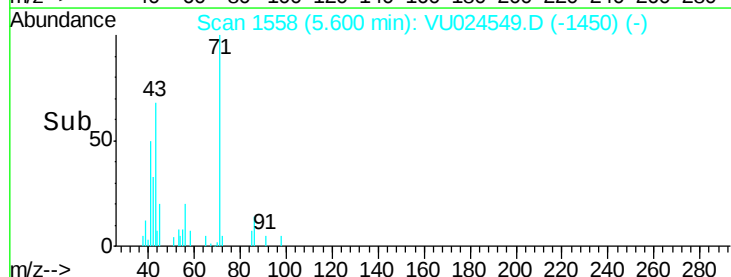
87 0.0 10.0 15.0#

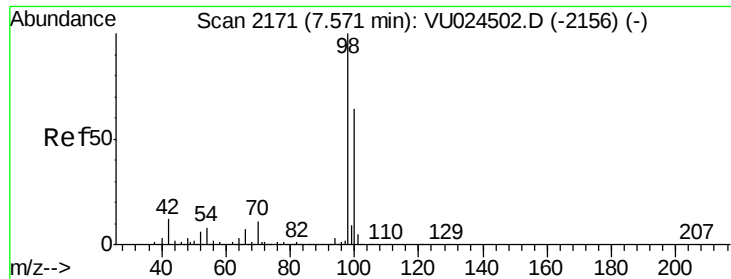


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

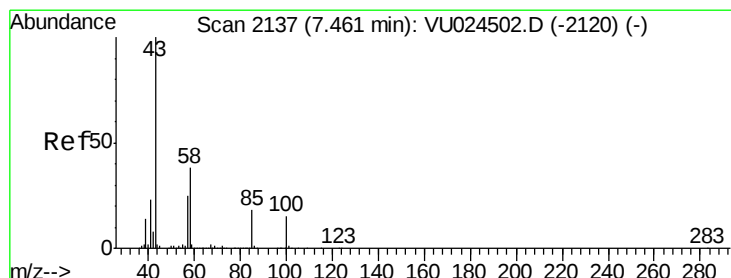
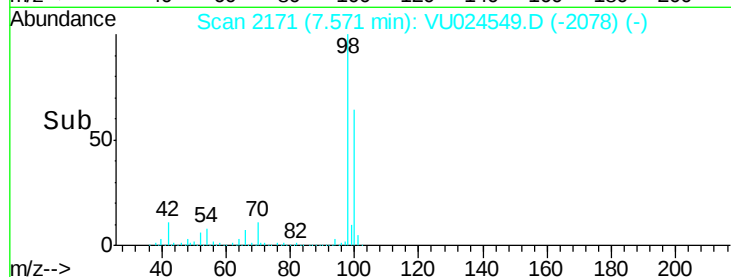
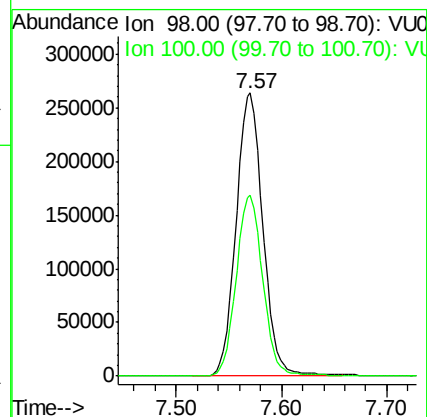
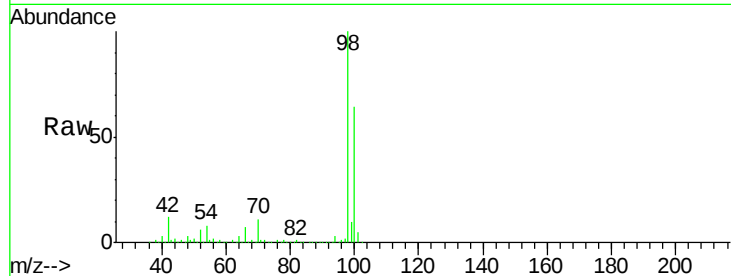




#50
Toluene-d8
Concen: 48.420 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024549.D
Acq: 14 Jun 2018 18:49

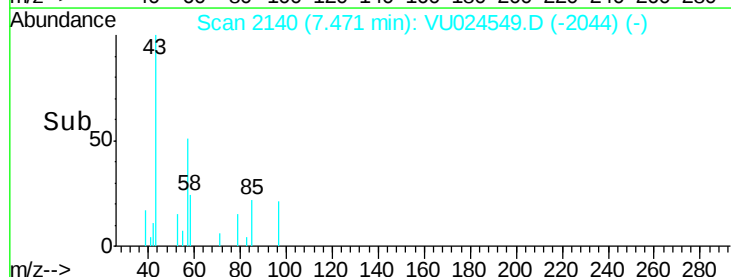
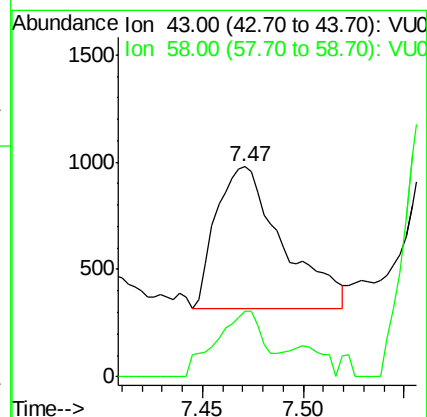
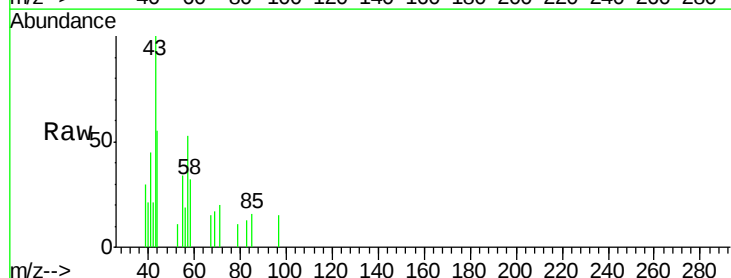
Instrument :
MSVOA_U
ClientSampled :

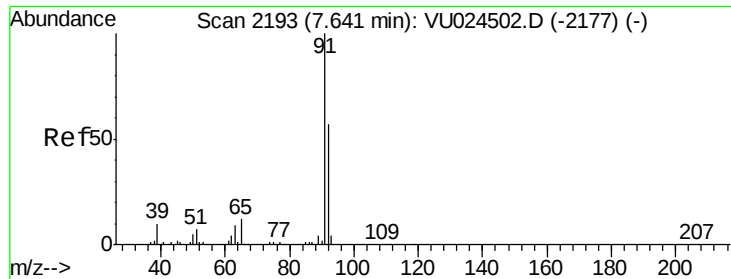
Tot Ion: 98 Resp: 463855
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.345 ug/l
RT: 7.47 min Scan# 2140
Delta R.T. 0.01 min
Lab File: VU024549.D
Acq: 14 Jun 2018 18:49

Tgt Ion: 43 Resp: 1518
Ion Ratio Lower Upper
43 100
58 33.4 30.0 45.0





#52

Toluene

Concen: 1.662 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

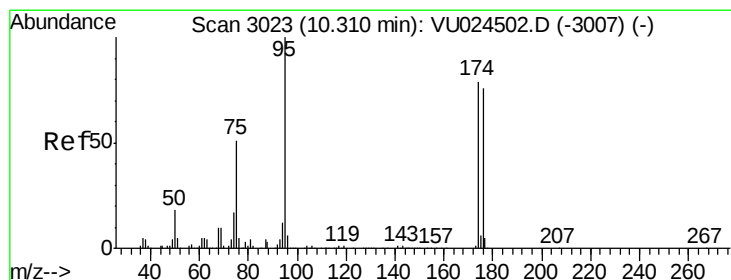
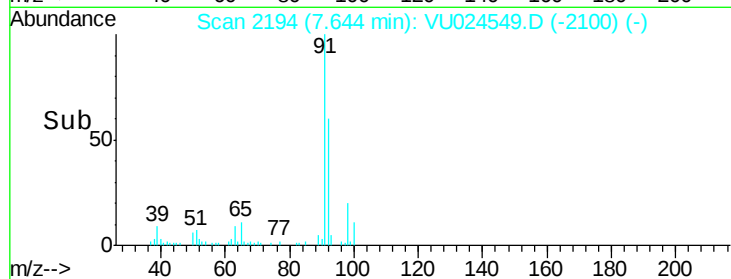
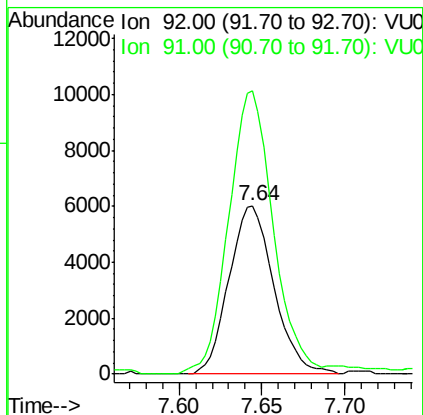
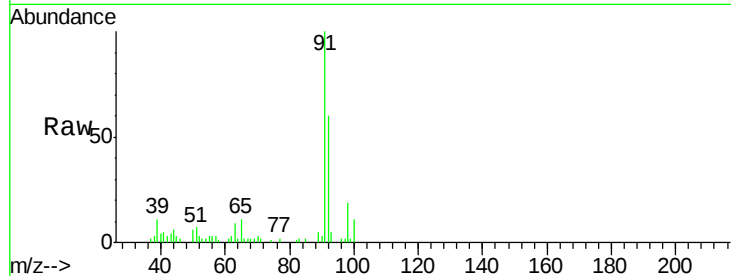
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 92 Resp: 11327

Ion Ratio Lower Upper

92 100

91 167.4 140.5 210.7



#62

4-Bromofluorobenzene

Concen: 46.942 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

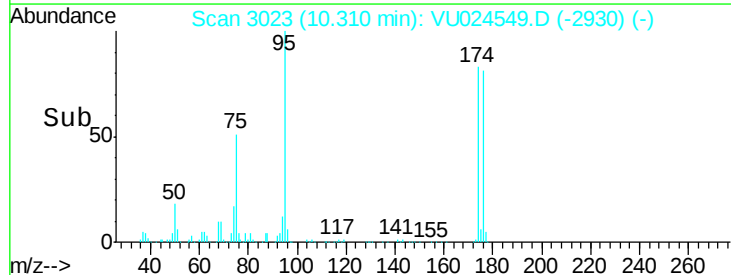
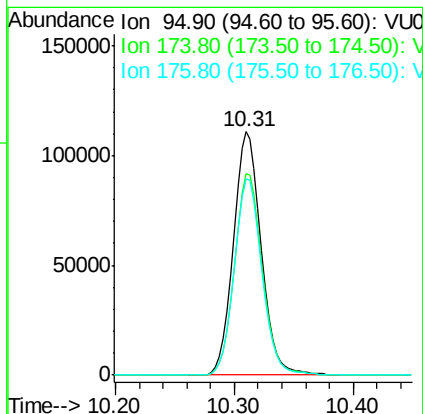
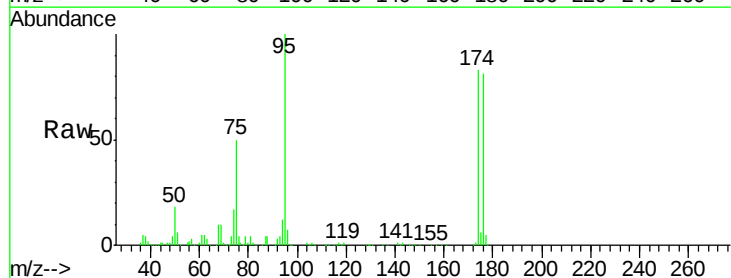
Tgt Ion: 95 Resp: 178549

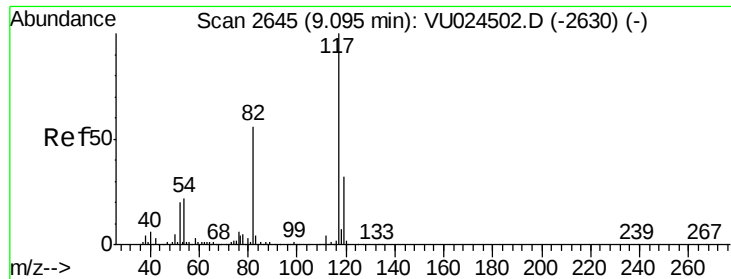
Ion Ratio Lower Upper

95 100

174 83.0 0.0 165.8

176 80.8 0.0 159.4

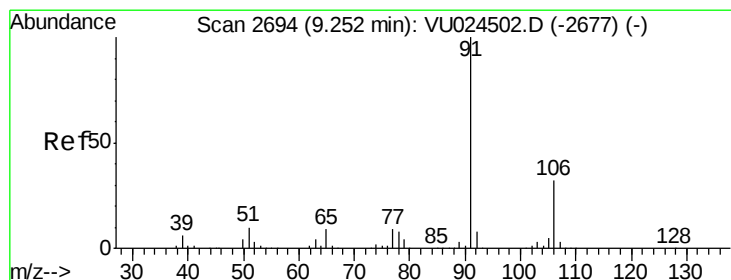
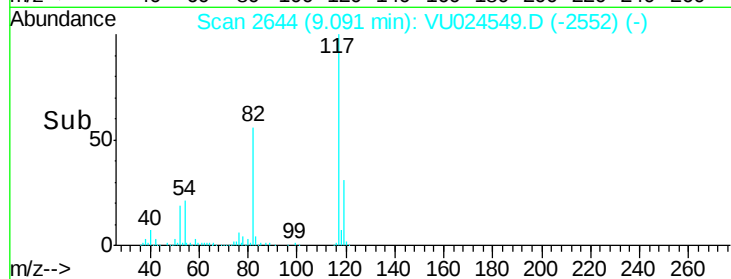
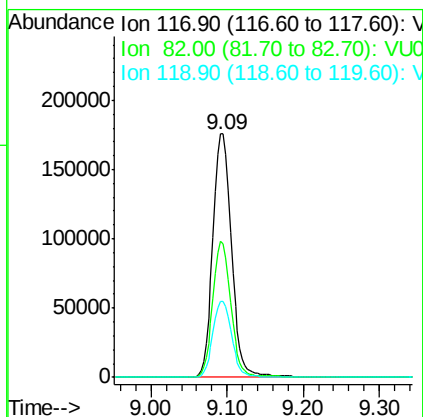
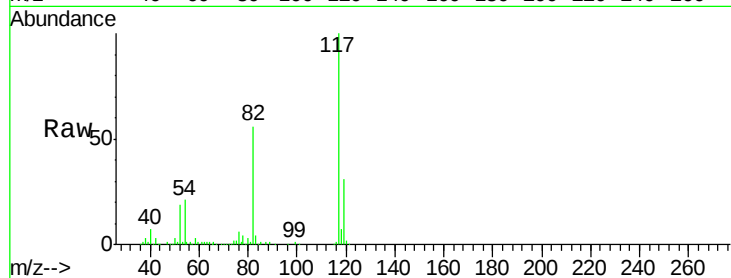




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024549.D
Acq: 14 Jun 2018 18:49

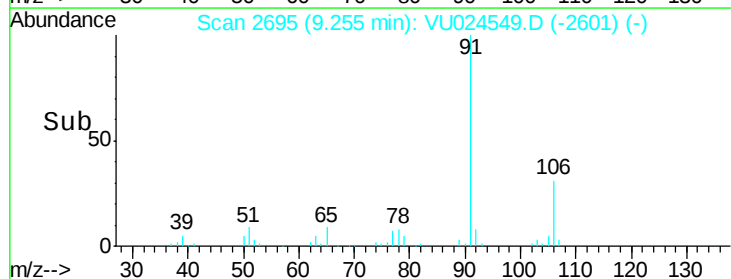
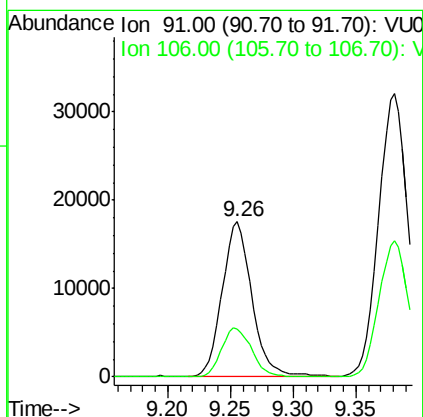
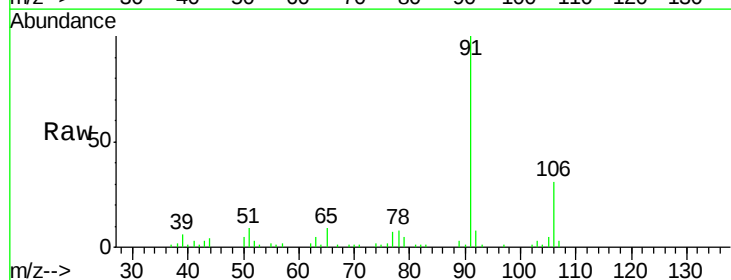
Instrument :
MSVOA_U
ClientSampleId :

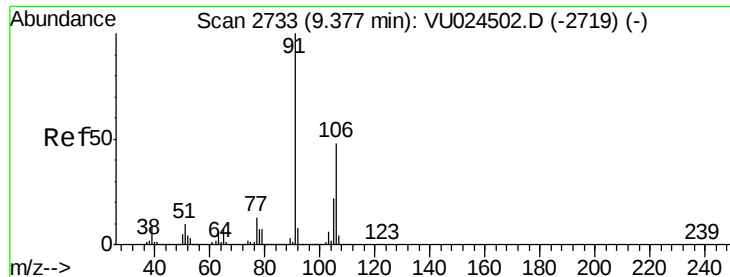
Tot Ion:117 Resp: 299641
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 31.1 25.4 38.2



#67
Ethyl Benzene
Concen: 2.166 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU024549.D
Acq: 14 Jun 2018 18:49

Tgt Ion: 91 Resp: 29069
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.4

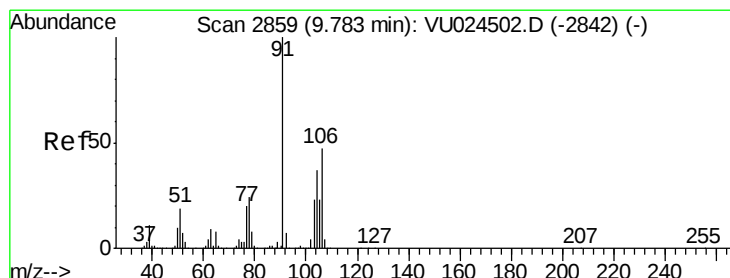
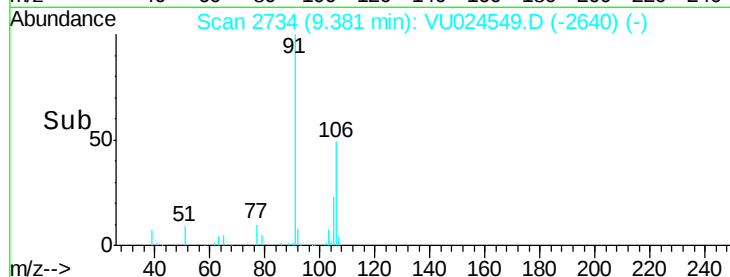
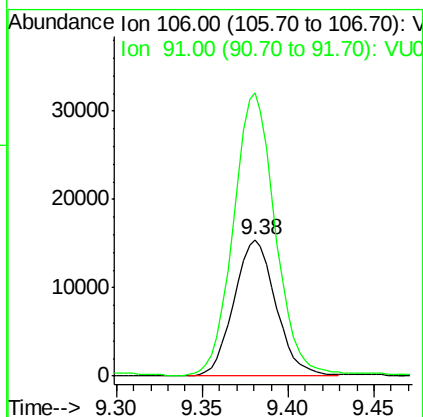
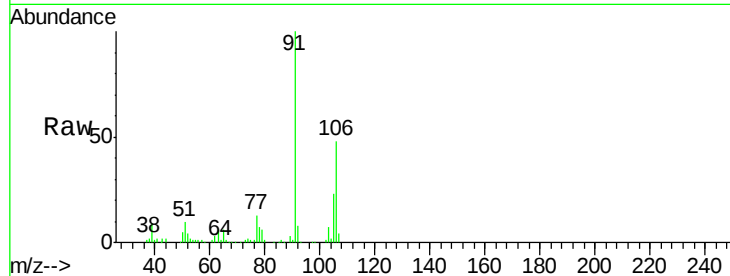




#68
m/p-Xylenes
Concen: 5.102 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU024549.D
Acq: 14 Jun 2018 18:49

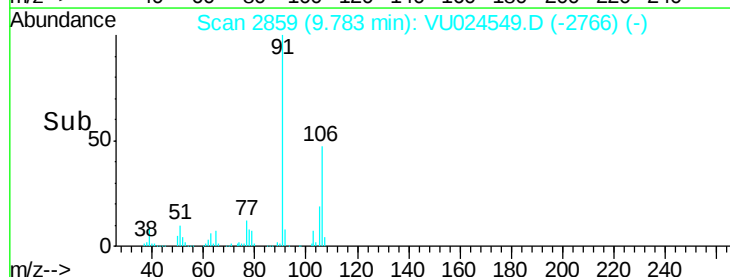
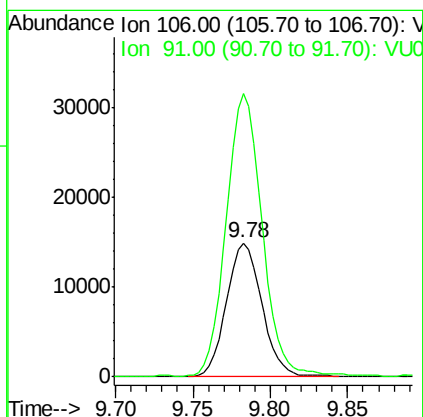
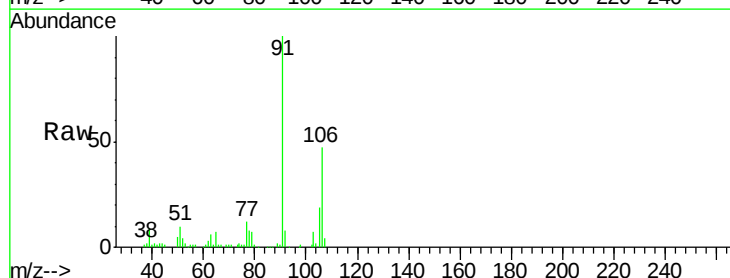
Instrument :
MSVOA_U
ClientSampled :

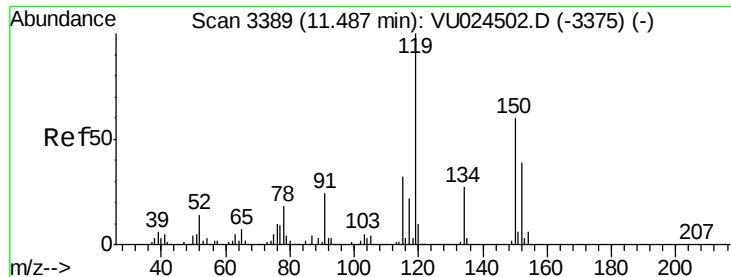
Tot Ion:106 Resp: 26291
Ion Ratio Lower Upper
106 100
91 207.6 166.5 249.7



#69
o-Xylene
Concen: 4.646 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024549.D
Acq: 14 Jun 2018 18:49

Tgt Ion:106 Resp: 23693
Ion Ratio Lower Upper
106 100
91 212.3 110.7 331.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

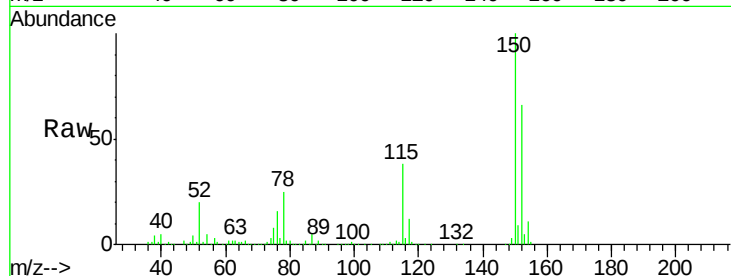
Tot Ion:152 Resp: 177296

Ion Ratio Lower Upper

152 100

115 57.9 43.0 129.0

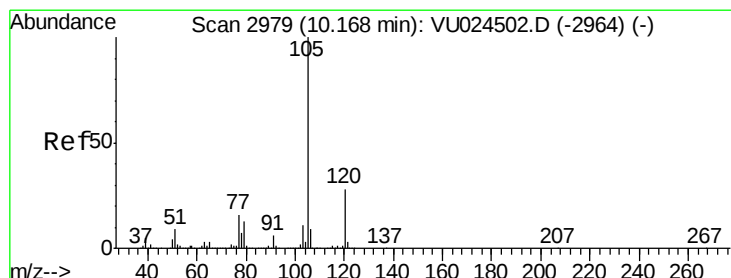
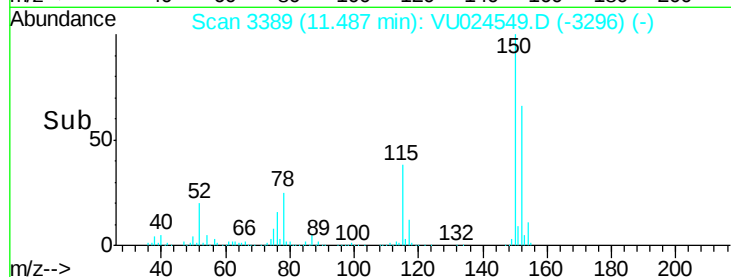
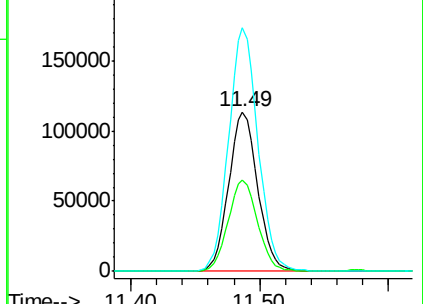
150 154.2 0.0 354.0



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: 0.509 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024549.D

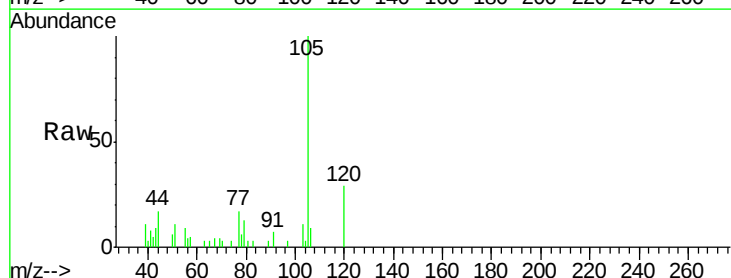
Acq: 14 Jun 2018 18:49

Tgt Ion:105 Resp: 6925

Ion Ratio Lower Upper

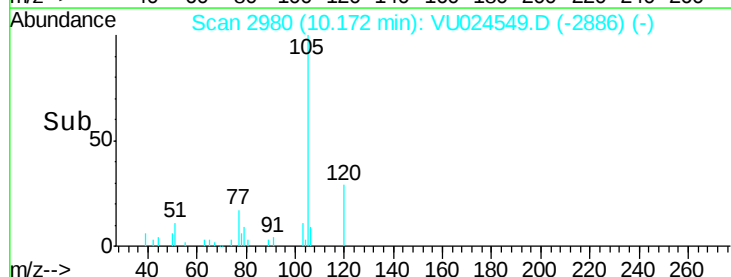
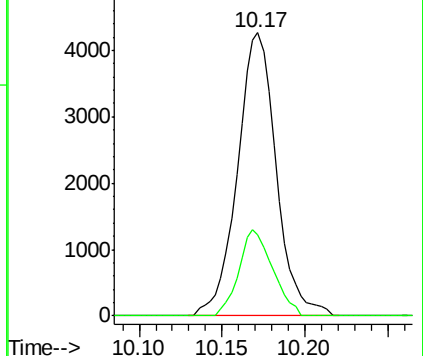
105 100

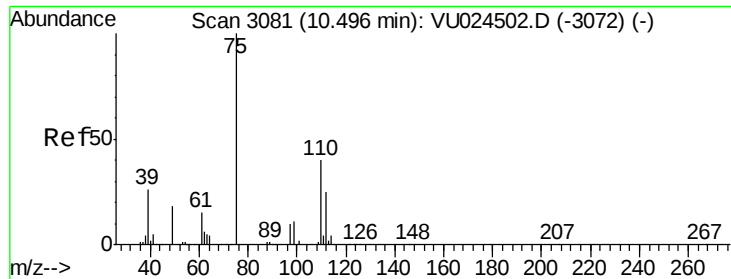
120 26.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

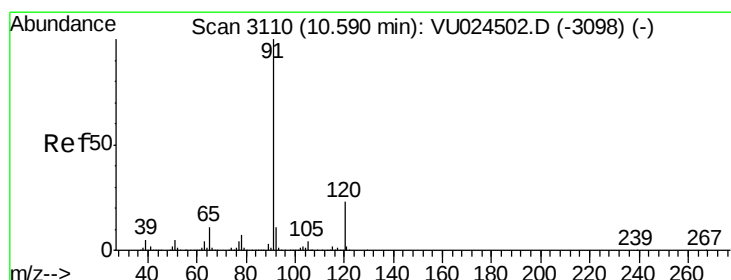
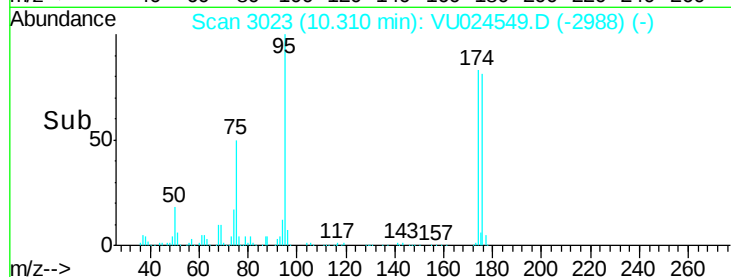
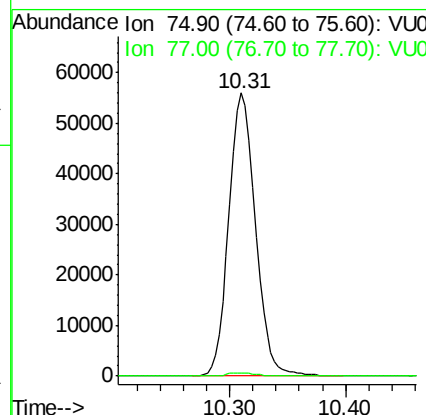
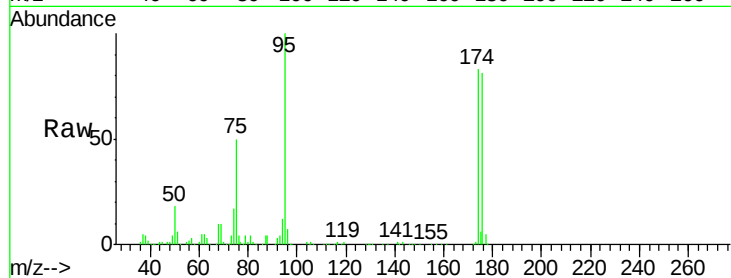




#76
 1,2,3-Trichloropropane
 Concen: 22.854 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024549.D
 Acq: 14 Jun 2018 18:49

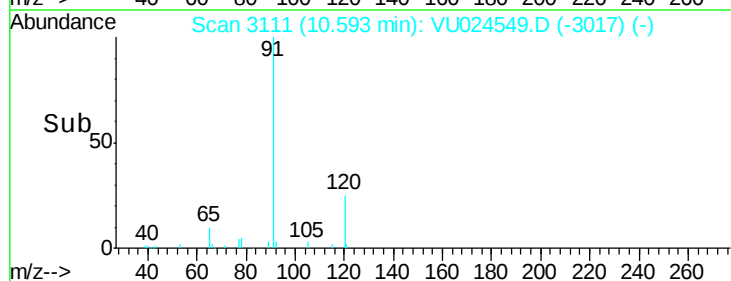
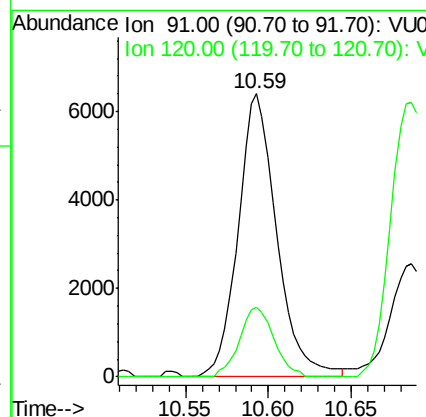
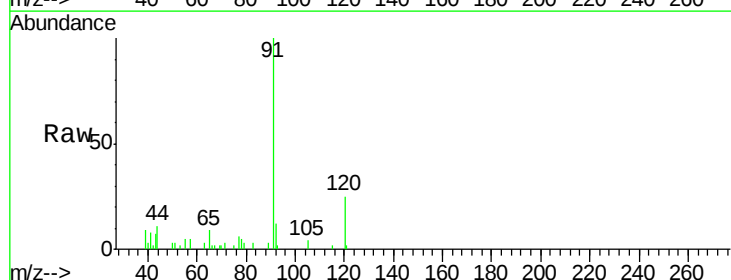
Instrument :
 MSVOA_U
 ClientSampleId :

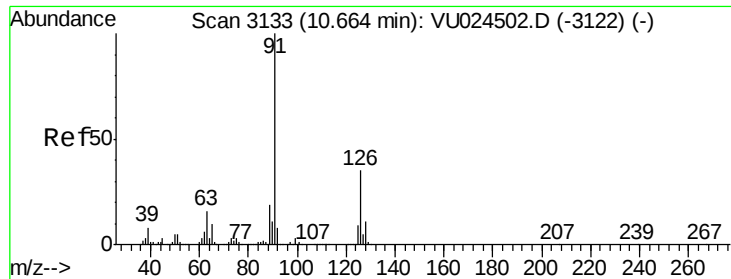
Tot Ion: 75 Resp: 89209
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.9 62.7#



#78
 n-propylbenzene
 Concen: 0.647 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU024549.D
 Acq: 14 Jun 2018 18:49

Tgt Ion: 91 Resp: 10368
 Ion Ratio Lower Upper
 91 100
 120 22.1 11.2 33.5

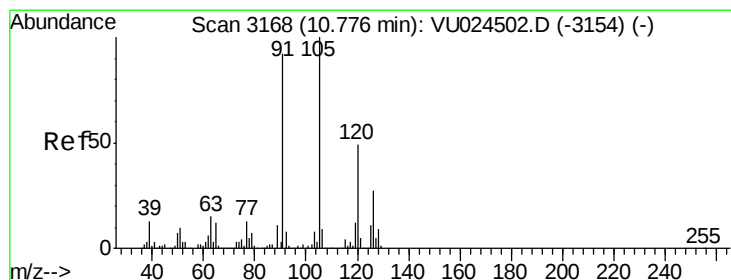
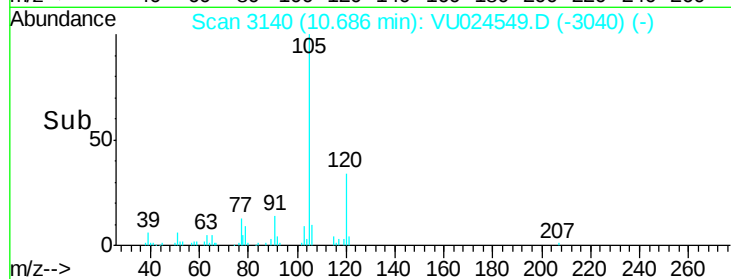
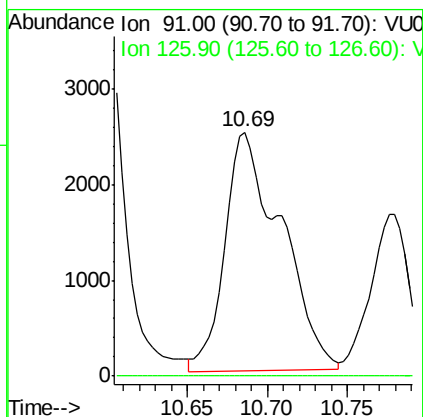
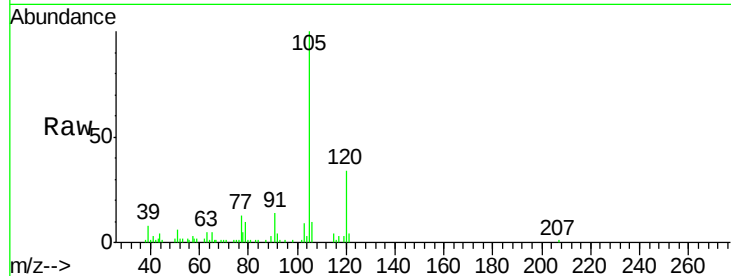




#79
 2-Chlorotoluene
 Concen: 0.639 ug/l
 RT: 10.69 min Scan# 3140
 Delta R.T. 0.02 min
 Lab File: VU024549.D
 Acq: 14 Jun 2018 18:49

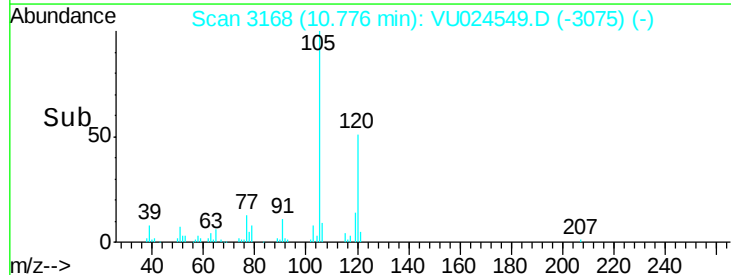
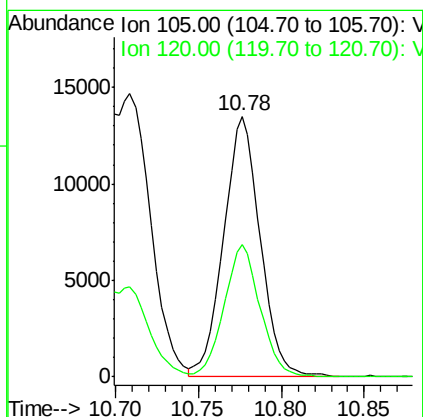
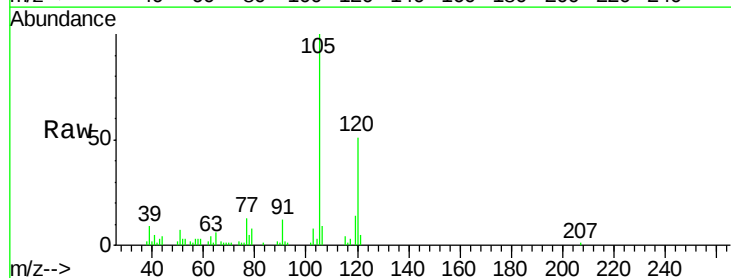
Instrument :
 MSVOA_U
 ClientSampleId :

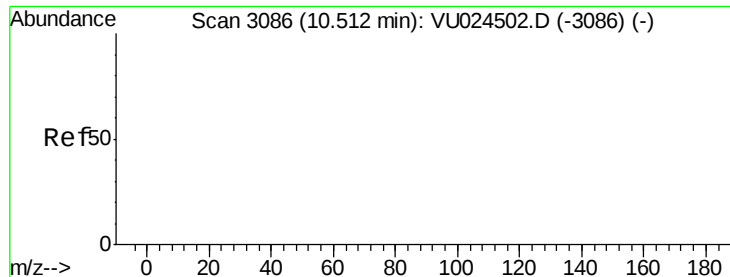
Tot Ion: 91 Resp: 6042
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.9 50.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.754 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024549.D
 Acq: 14 Jun 2018 18:49

Tgt Ion: 105 Resp: 20695
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 52.894 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

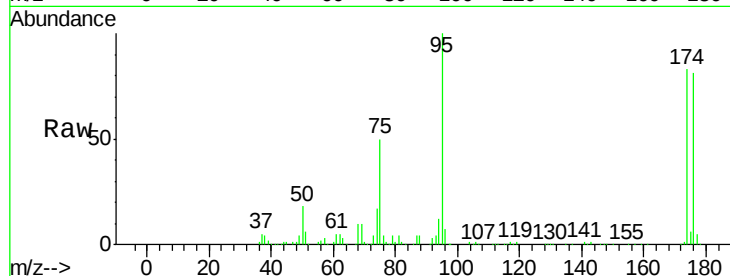
Tot Ion: 75 Resp: 89209

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

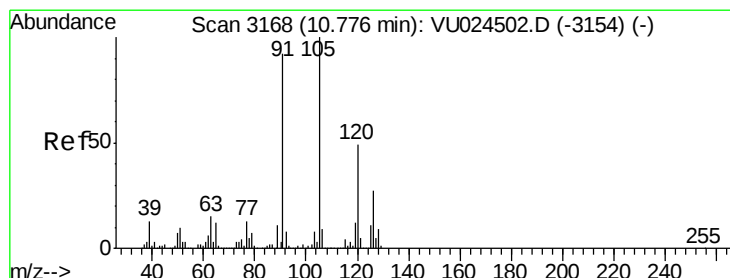
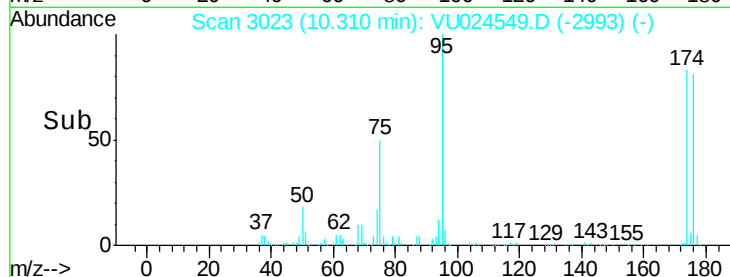
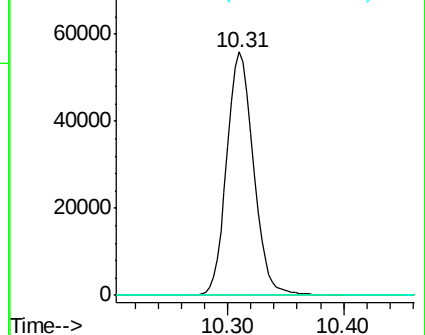
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): 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: 0.233 ug/l

RT: 10.78 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VU024549.D

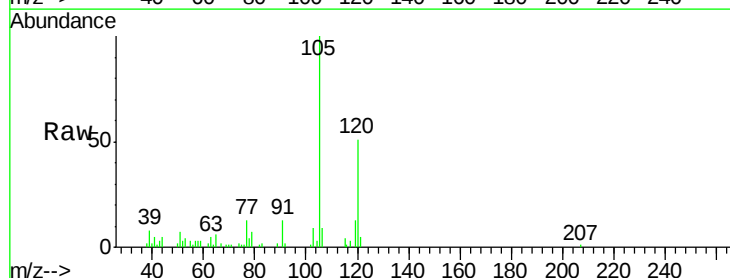
Acq: 14 Jun 2018 18:49

Tgt Ion: 91 Resp: 2560

Ion Ratio Lower Upper

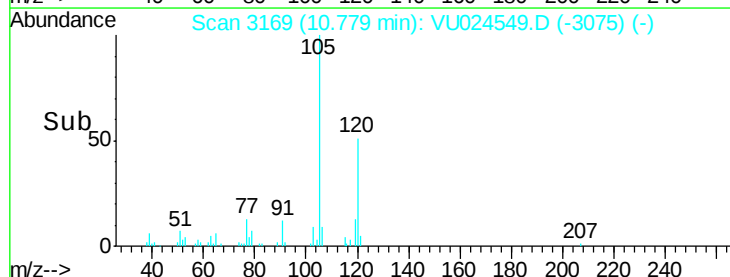
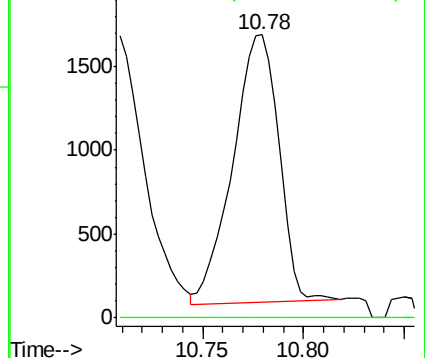
91 100

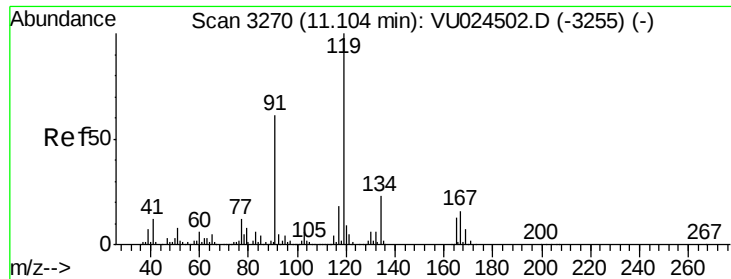
126 0.0 14.9 44.9#



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: 0.462 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.05 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

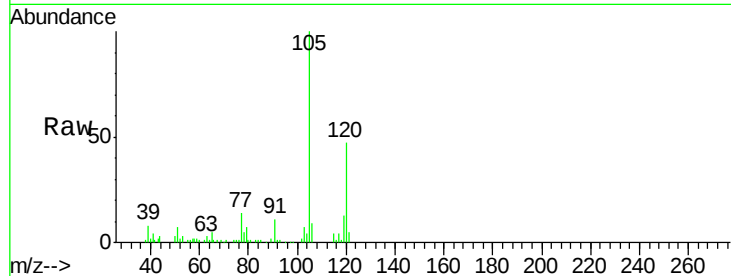
Tot Ion:119 Resp: 5248

Ion Ratio Lower Upper

119 100

91 89.9 29.7 89.1#

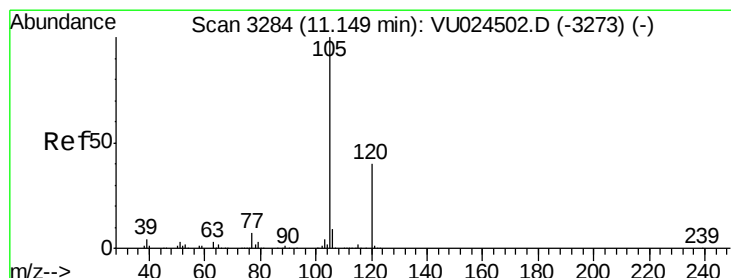
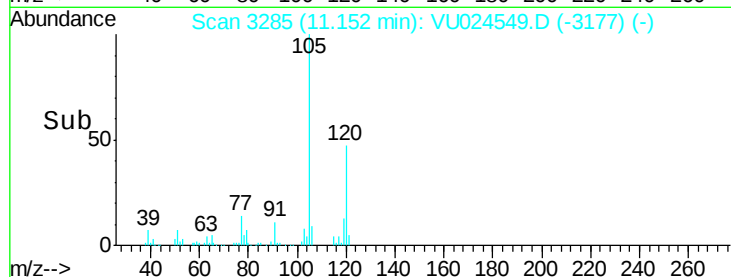
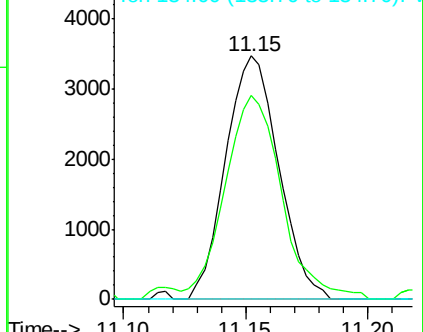
134 0.0 11.6 34.7#



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: 3.464 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024549.D

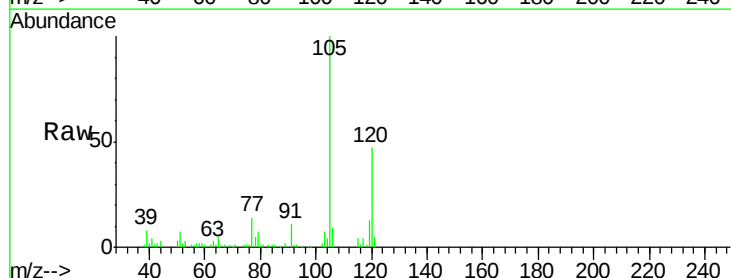
Acq: 14 Jun 2018 18:49

Tgt Ion:105 Resp: 41645

Ion Ratio Lower Upper

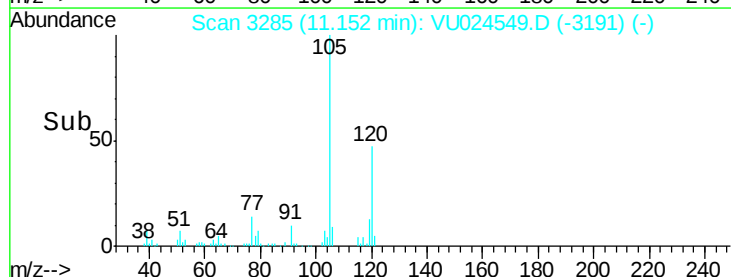
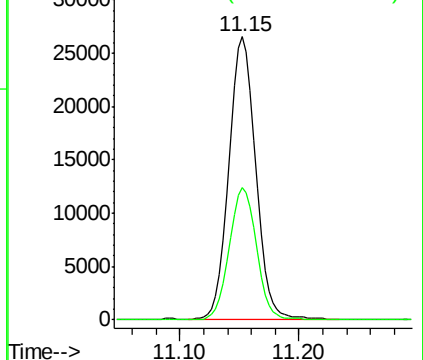
105 100

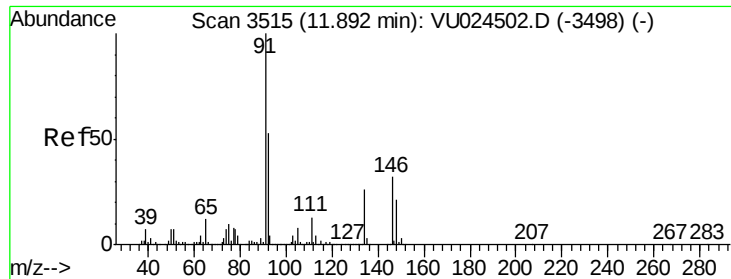
120 47.3 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

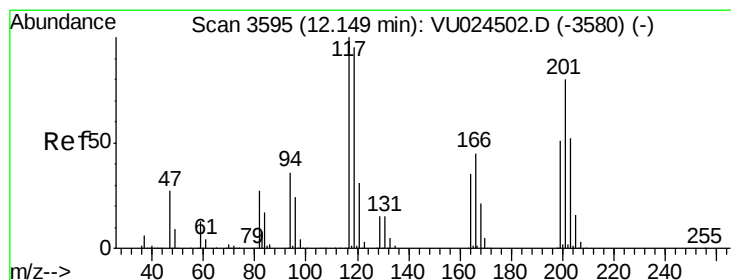
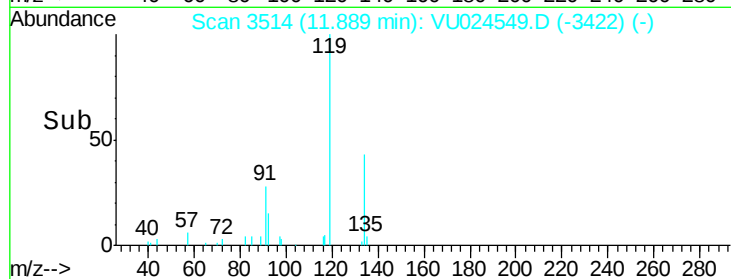
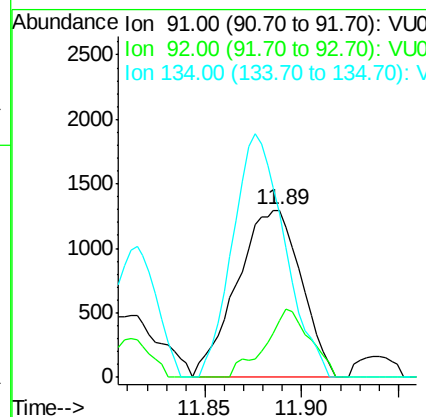
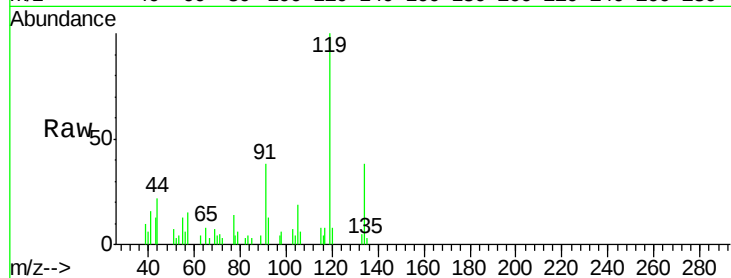




#89
n-Butylbenzene
Concen: 0.264 ug/l
RT: 11.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VU024549.D
Acq: 14 Jun 2018 18:49

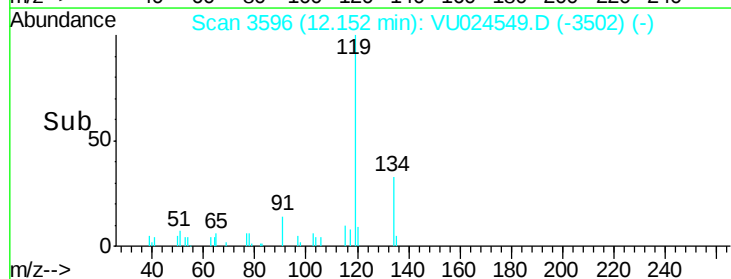
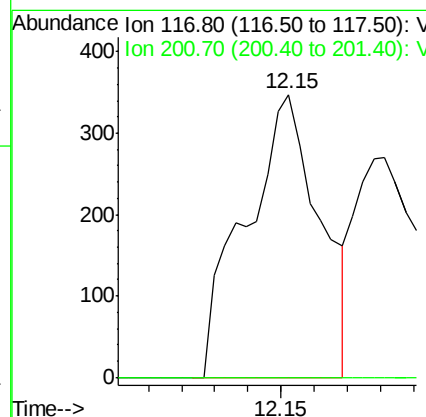
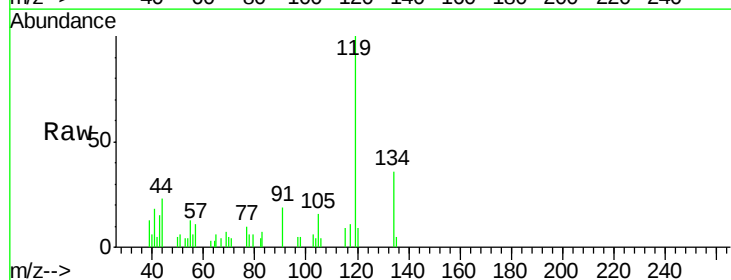
Instrument :
MSVOA_U
ClientSampled :

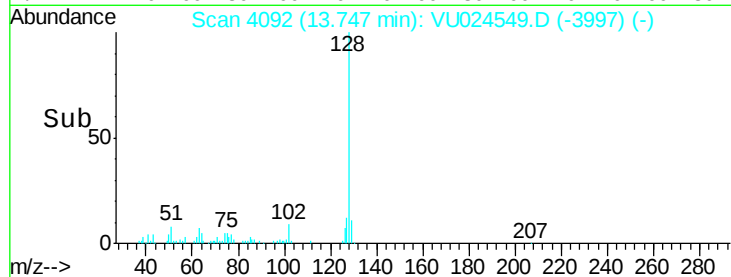
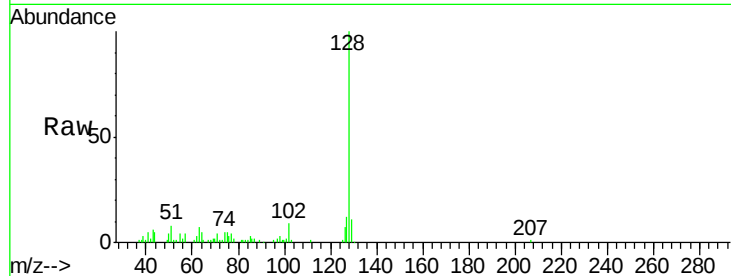
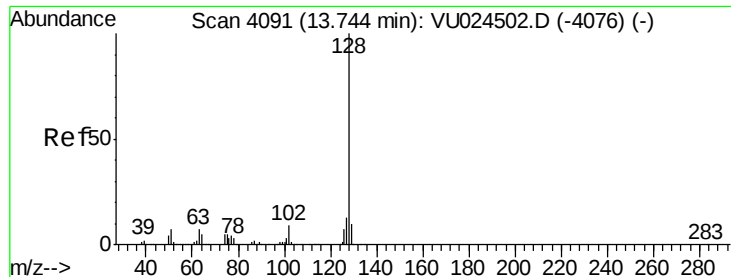
Tot Ion: 91 Resp: 2987
Ion Ratio Lower Upper
91 100
92 28.3 25.6 76.8
134 117.9 12.3 36.8#



#90
Hexachloroethane
Concen: 0.218 ug/l
RT: 12.15 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VU024549.D
Acq: 14 Jun 2018 18:49

Tgt Ion: 117 Resp: 540
Ion Ratio Lower Upper
117 100
201 0.0 41.1 123.3#





#95

Naphthalene

Concen: 3.363 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024549.D

Acq: 14 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 35463

Ion Ratio Lower Upper

128 100

127 12.5 10.6 16.0

129 11.3 8.6 12.8

