

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025152.D
 Acq On : 02 Jul 2018 18:52
 Operator : MD/SY
 Sample : J3252-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TR-04-062918

Quant Time: Jul 03 03:01:30 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	213045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	321321	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	300600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	161207	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	163346	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
35) Dibromofluoromethane	4.89	113	128297	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	7.57	98	458140	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
62) 4-Bromofluorobenzene	10.31	95	170931	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	570	0.209	ug/l #	62
5) Bromomethane	1.63	94	303	0.223	ug/l	91
6) Chloroethane	1.67	64	20	Below Cal	#	43
8) Diethyl Ether	2.10	74	19	Below Cal	#	1
11) Tert butyl alcohol	2.84	59	1954	2.310	ug/l #	72
14) Allyl chloride	2.70	41	24995	5.549	ug/l #	21
16) Acetone	2.32	43	27258	14.586	ug/l	96
18) Methyl Acetate	2.62	43	22599	5.641	ug/l	98
20) Methylene Chloride	2.71	84	730877	249.262	ug/l	98
23) Vinyl Acetate	3.31	43	6332	0.792	ug/l #	59
25) 2-Butanone	4.28	43	3626	1.445	ug/l	92
29) Tetrahydrofuran	4.65	42	802	0.516	ug/l #	81
30) Chloroform	4.68	83	3003	0.578	ug/l	95
31) Cyclohexane	4.99	56	4612	Below Cal	#	10
36) 1,1-Dichloropropene	4.99	75	15589	4.129	ug/l #	51
38) Carbon Tetrachloride	4.99	117	21164	5.097	ug/l #	15
40) Benzene	5.39	78	2710	0.252	ug/l #	90
43) Isopropyl Acetate	5.82	43	24730	3.476	ug/l #	62
44) Trichloroethene	6.19	130	954	0.312	ug/l	99
47) Bromodichloromethane	6.76	83	1443	0.359	ug/l #	74
51) 4-Methyl-2-Pentanone	7.47	43	1300	0.291	ug/l	96
52) Toluene	7.64	92	12211	1.764	ug/l	99
67) Ethyl Benzene	9.26	91	21188	1.574	ug/l	100
68) m/p-Xylenes	9.38	106	18229	3.526	ug/l	97
69) o-Xylene	9.79	106	7783	1.521	ug/l	88
70) Styrene	9.80	104	9571	1.138	ug/l	95
73) Isopropylbenzene	10.17	105	3317	0.268	ug/l	96
74) N-amyl acetate	9.93	43	1767	0.300	ug/l #	45
76) 1,2,3-Trichloropropane	10.31	75	90504	25.500	ug/l #	35
78) n-propylbenzene	10.60	91	6378	0.437	ug/l	98
79) 2-Chlorotoluene	10.68	91	4737	0.551	ug/l #	41
80) 1,3,5-Trimethylbenzene	10.78	105	12485	1.164	ug/l	94
81) trans-1,4-Dichloro-2-buten	10.31	75	90504	59.017	ug/l #	100
83) tert-Butylbenzene	11.15	119	5950	0.577	ug/l #	58

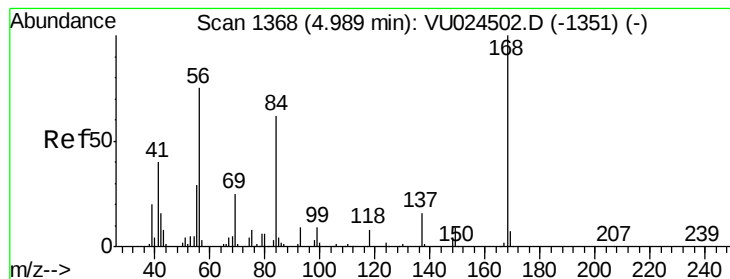
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
Data File : VU025152.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.15	105	46367	4.241	ug/l	100
85) sec-Butylbenzene	11.33	105	2883	0.223	ug/l	99
89) n-Butylbenzene	11.89	91	4425	0.431	ug/l #	42
90) Hexachloroethane	12.16	117	543	0.241	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.51	180	4844	1.353	ug/l	91
95) Naphthalene	13.74	128	628786	53.005	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	787	0.221	ug/l #	84

(#) = 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: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

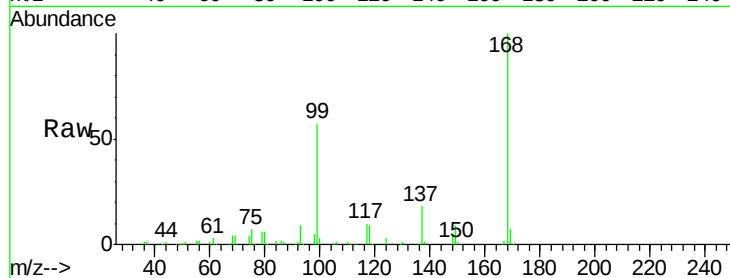
TR-04-062918

Tot Ion:168 Resp: 213045

Ion Ratio Lower Upper

168 100

99 57.4 43.2 64.8



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

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

4.99

100000

80000

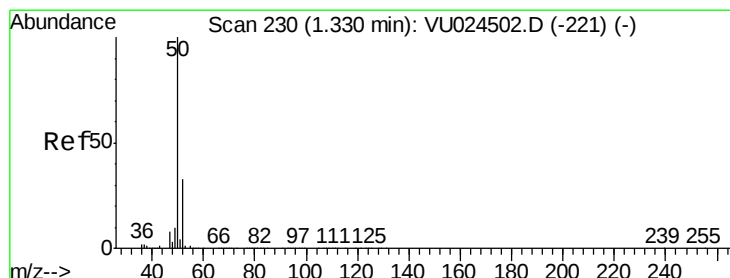
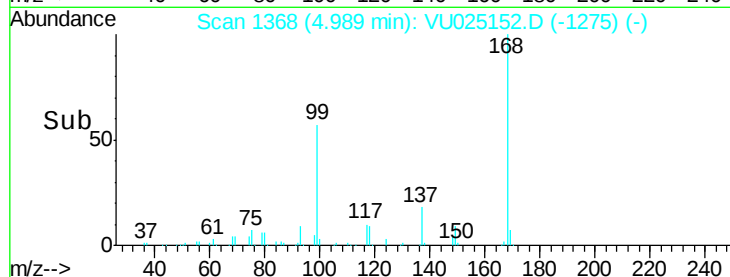
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025152.D

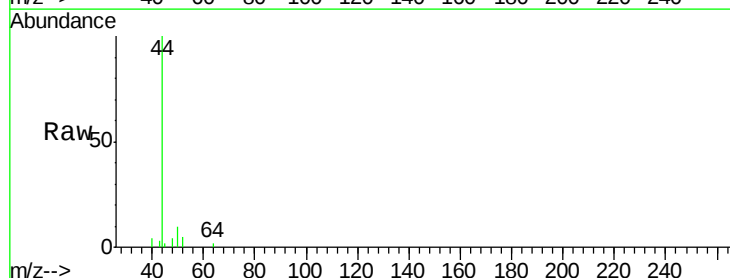
Acq: 02 Jul 2018 18:52

Tgt Ion: 50 Resp: 570

Ion Ratio Lower Upper

50 100

52 54.2 26.4 39.6#



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

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

1.33

500

400

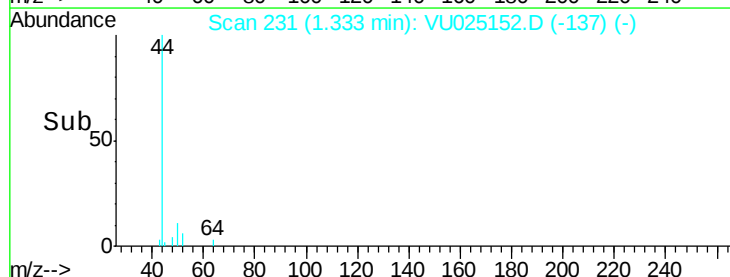
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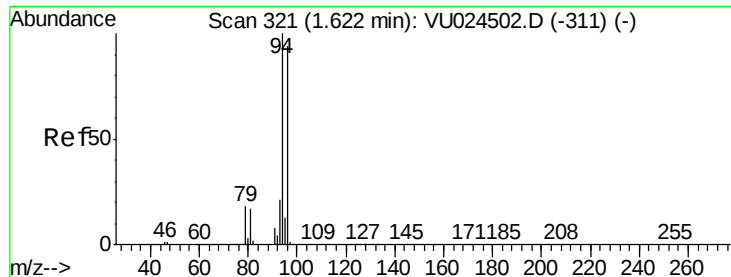
200

100

0

Time-->





#5

Bromomethane

Concen: 0.223 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

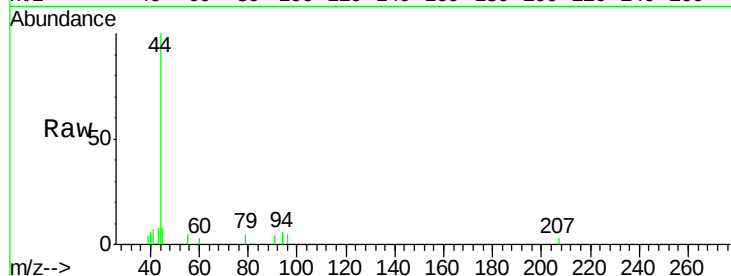
TR-04-062918

Tot Ion: 94 Resp: 303

Ion Ratio Lower Upper

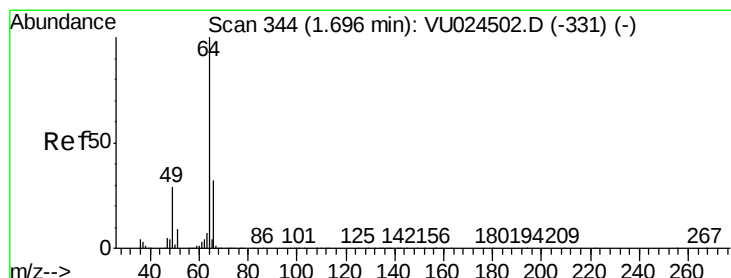
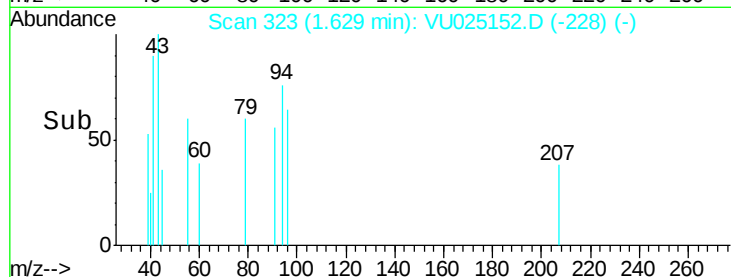
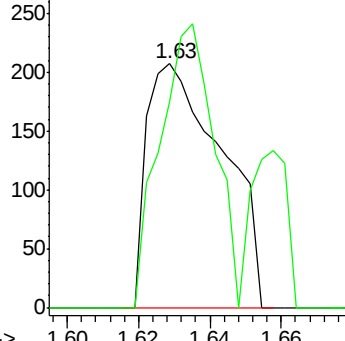
94 100

96 84.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 337

Delta R.T. -0.02 min

Lab File: VU025152.D

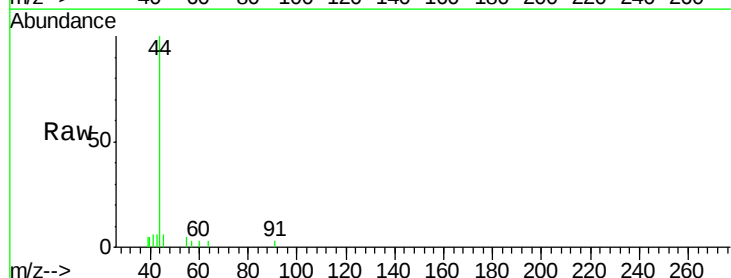
Acq: 02 Jul 2018 18:52

Tgt Ion: 64 Resp: 20

Ion Ratio Lower Upper

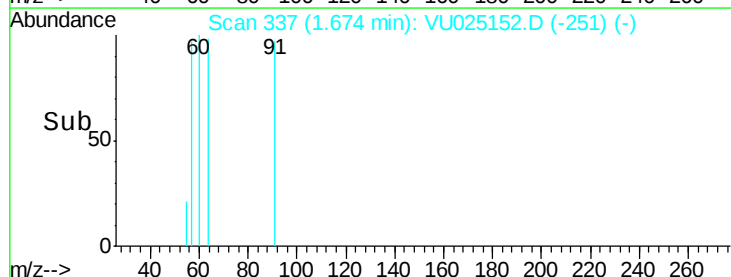
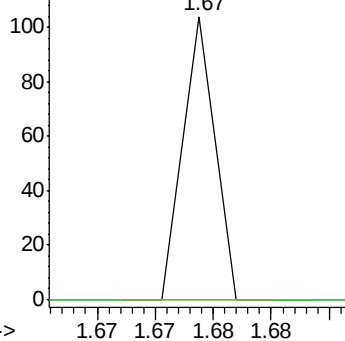
64 100

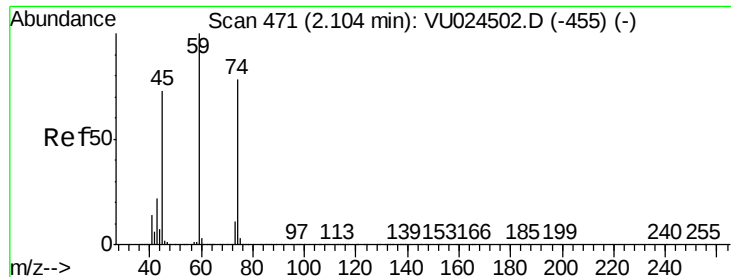
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#8

Diethyl Ether

Concen: Below Cal

RT: 2.10 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

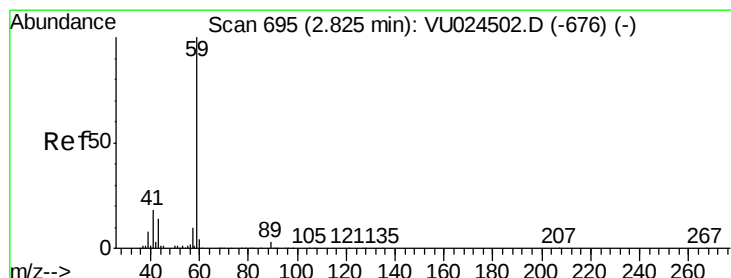
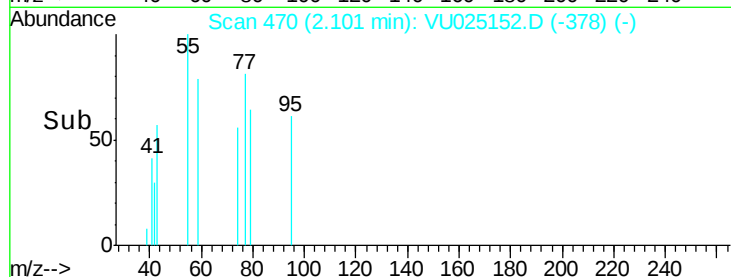
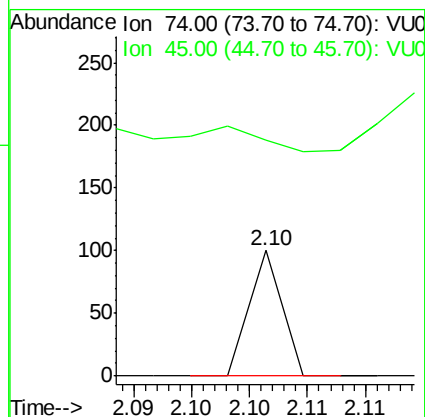
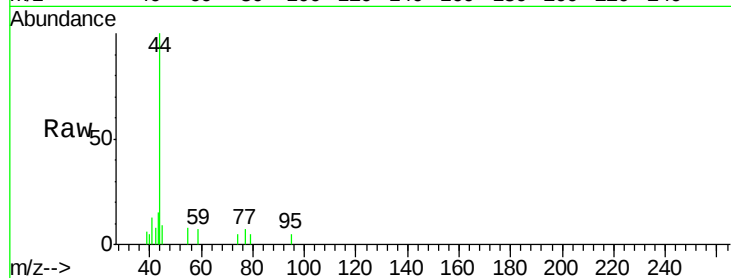
TR-04-062918

Tot Ion: 74 Resp: 19

Ion Ratio Lower Upper

74 100

45 0.0 55.0 165.0#



#11

Tert butyl alcohol

Concen: 2.310 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU025152.D

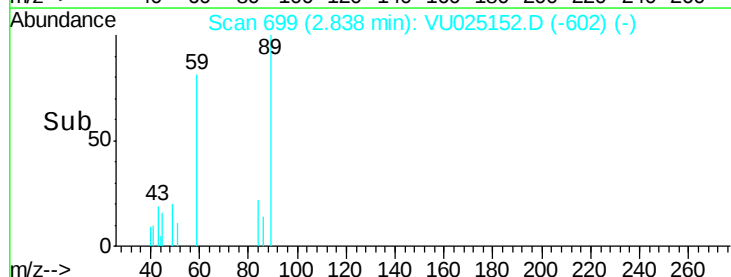
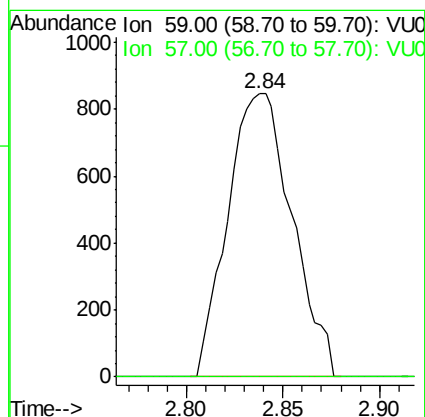
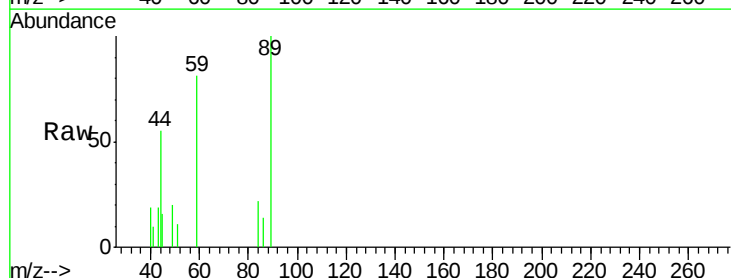
Acq: 02 Jul 2018 18:52

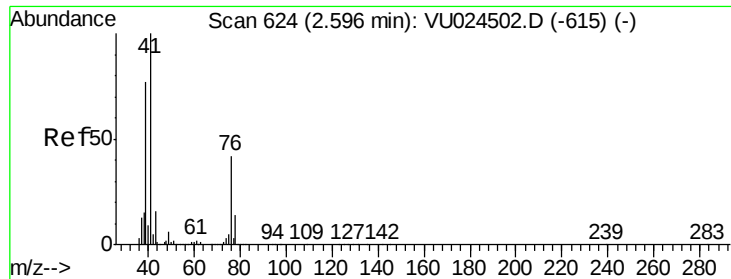
Tgt Ion: 59 Resp: 1954

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

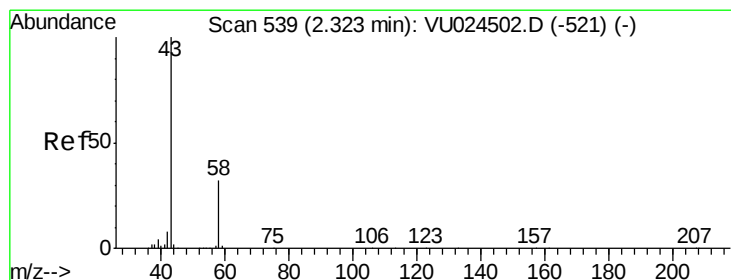
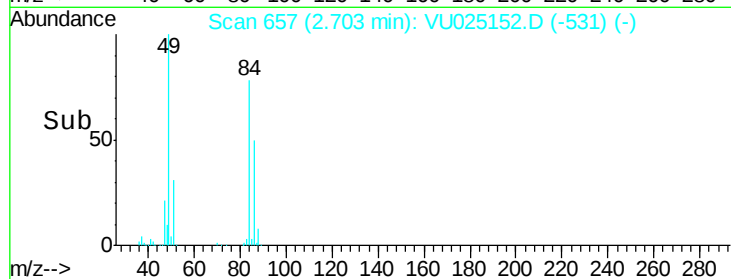
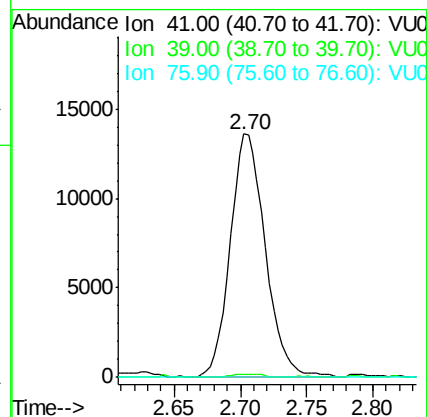
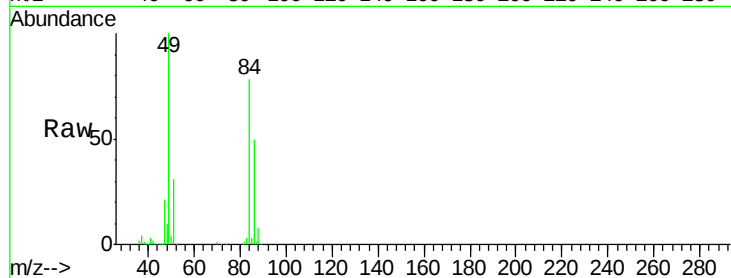




#14
Allvl chloride
Concen: 5.549 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.11 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

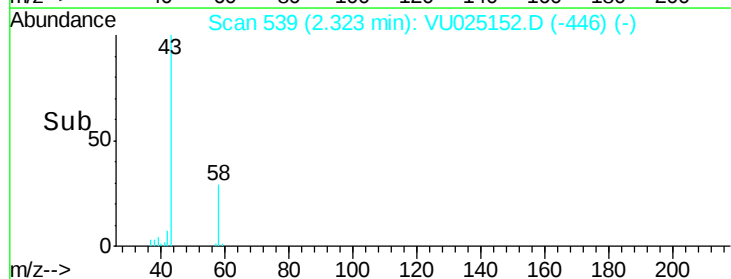
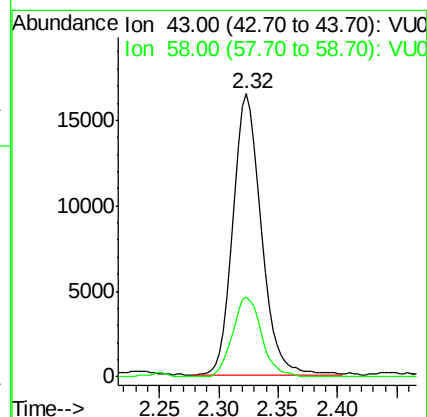
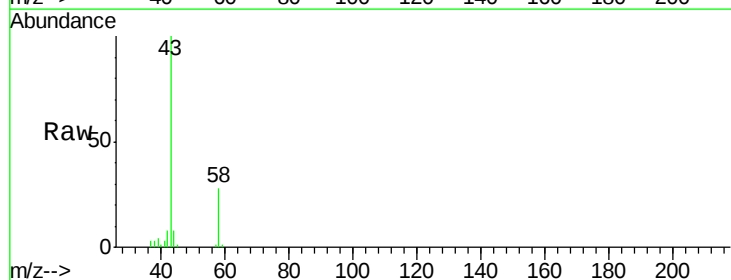
Instrument :
MSVOA_U
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TR-04-062918

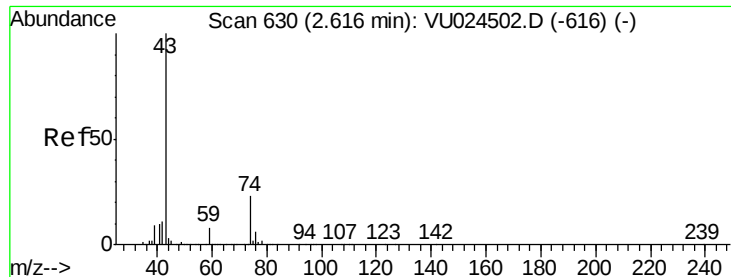
Tot Ion: 41 Resp: 24995
Ion Ratio Lower Upper
41 100
39 1.3 61.6 92.4#
76 0.0 29.7 44.5#



#16
Acetone
Concen: 14.586 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

Tgt Ion: 43 Resp: 27258
Ion Ratio Lower Upper
43 100
58 28.5 24.4 36.6

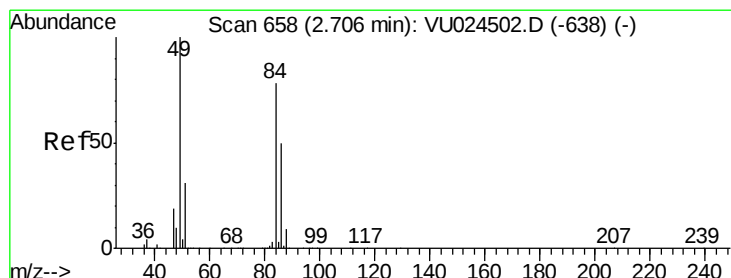
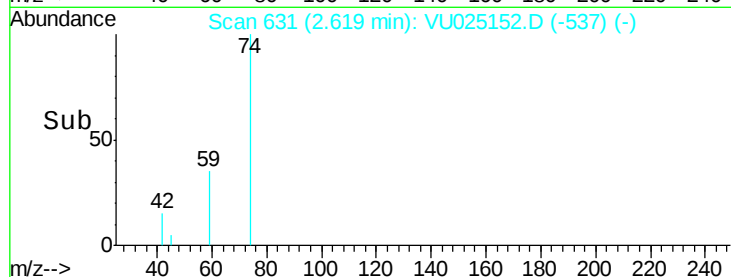
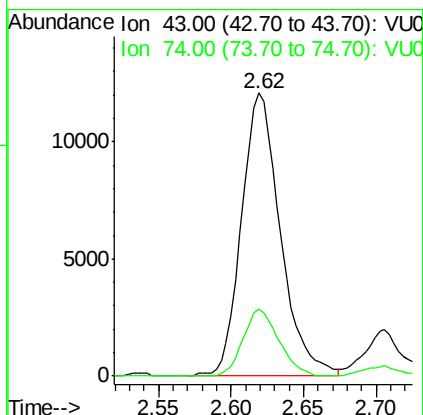
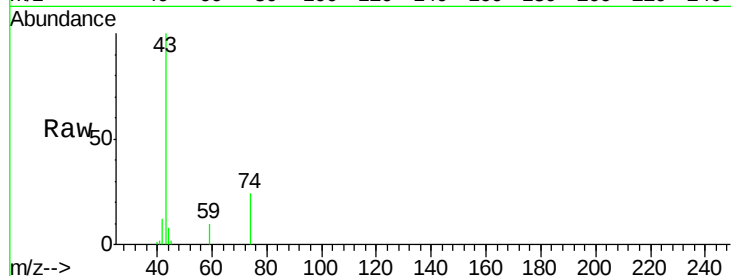




#18
Methyl Acetate
Concen: 5.641 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

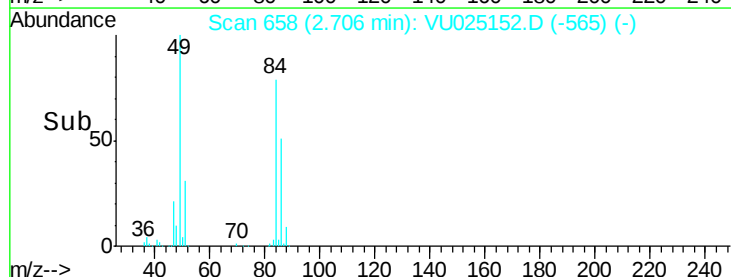
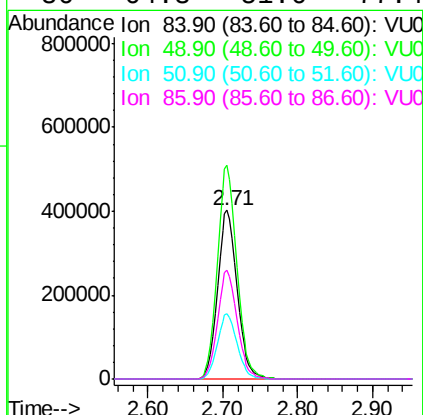
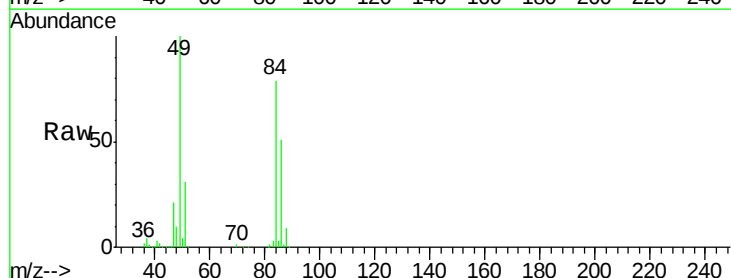
Instrument :
MSVOA_U
ClientSampleId :
TR-04-062918

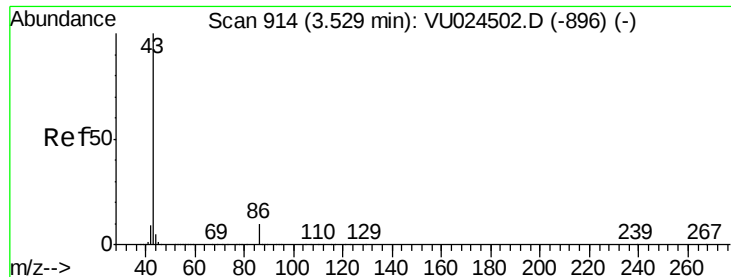
Tot Ion: 43 Resp: 22599
Ion Ratio Lower Upper
43 100
74 21.6 18.0 27.0



#20
Methylene Chloride
Concen: 249.262 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

Tgt Ion: 84 Resp: 730877
Ion Ratio Lower Upper
84 100
49 126.8 103.8 155.8
51 39.0 32.0 48.0
86 64.3 51.6 77.4

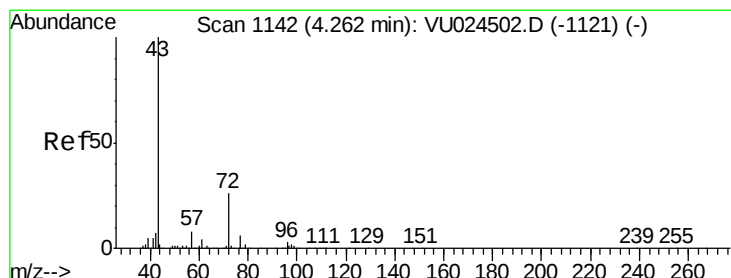
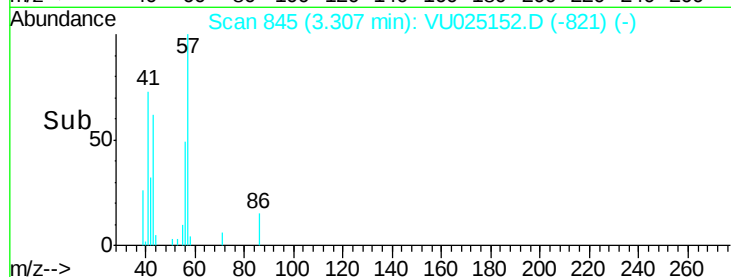
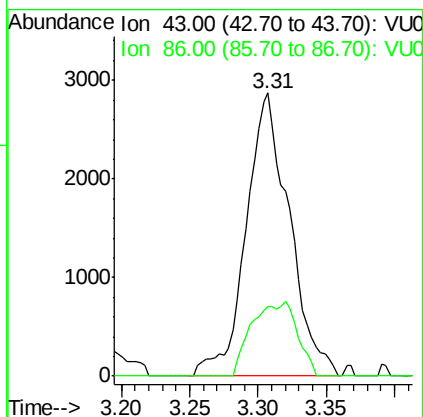
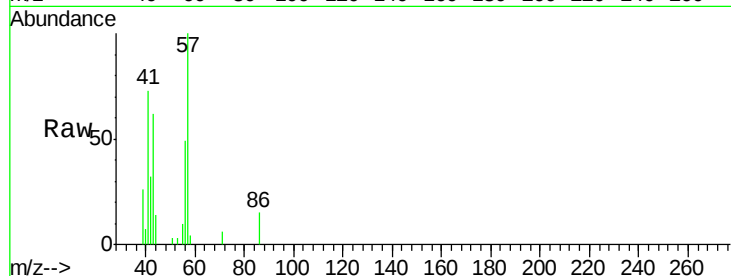




#23
 Vinyl Acetate
 Concen: 0.792 ug/l
 RT: 3.31 min Scan# 845
 Delta R.T. -0.22 min
 Lab File: VU025152.D
 Acq: 02 Jul 2018 18:52

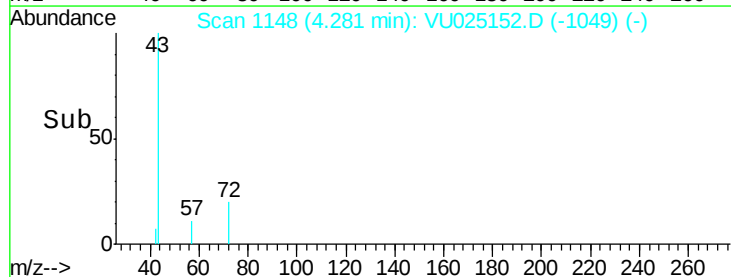
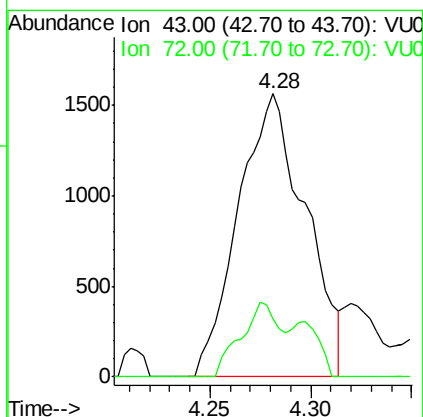
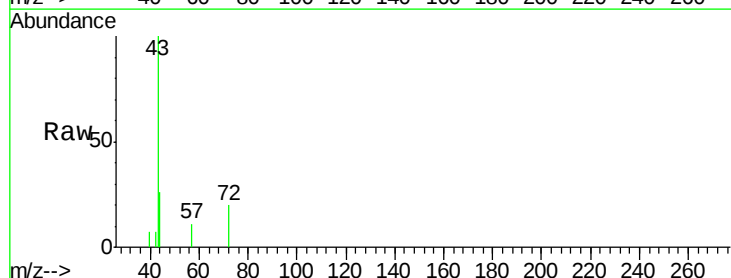
Instrument :
 MSVOA_U
 ClientSampleId :
 TR-04-062918

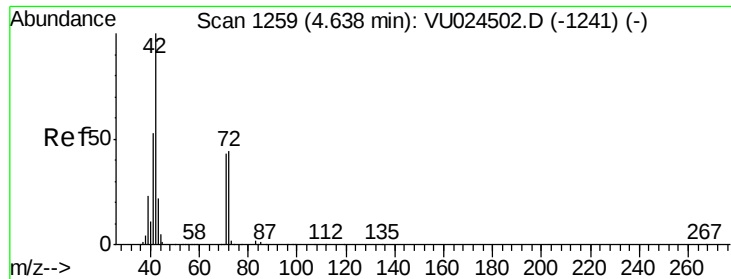
Tot Ion: 43 Resp: 6332
 Ion Ratio Lower Upper
 43 100
 86 24.8 7.8 11.8#



#25
 2-Butanone
 Concen: 1.445 ug/l
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.02 min
 Lab File: VU025152.D
 Acq: 02 Jul 2018 18:52

Tgt Ion: 43 Resp: 3626
 Ion Ratio Lower Upper
 43 100
 72 20.5 19.6 29.4





#29

Tetrahydrofuran

Concen: 0.516 ug/l

RT: 4.65 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

TR-04-062918

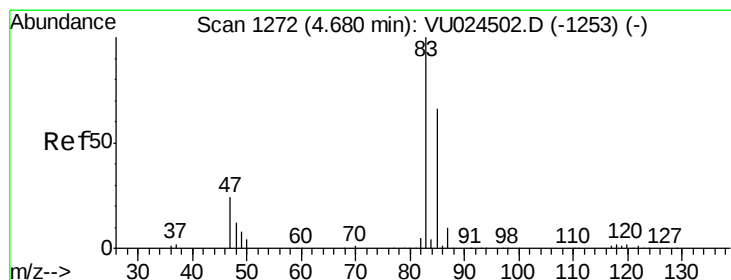
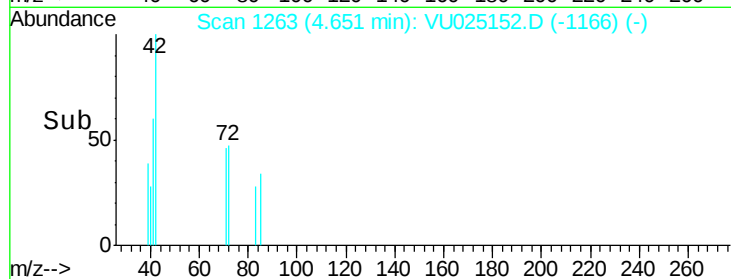
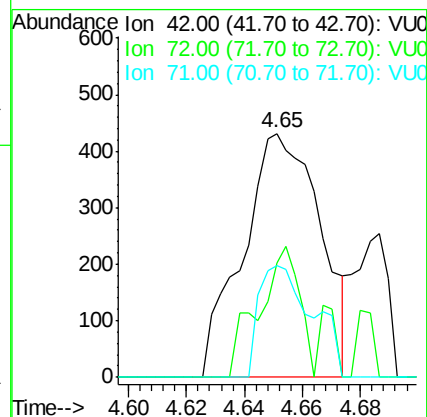
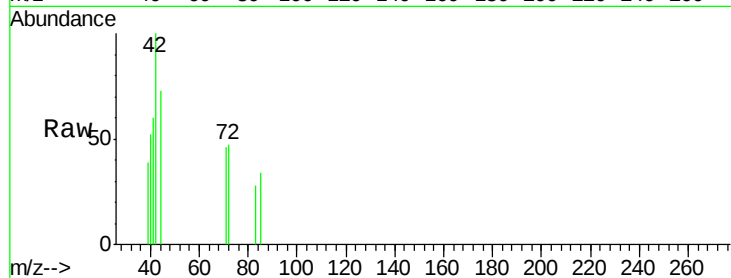
Tot Ion: 42 Resp: 802

Ion Ratio Lower Upper

42 100

72 28.4 34.5 51.7#

71 31.5 32.2 48.4#



#30

Chloroform

Concen: 0.578 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025152.D

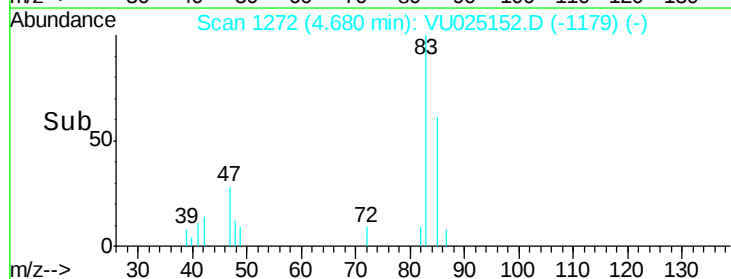
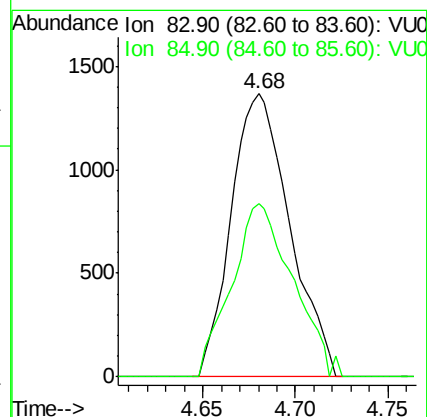
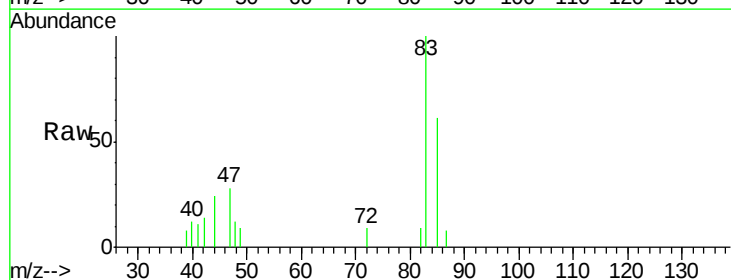
Acq: 02 Jul 2018 18:52

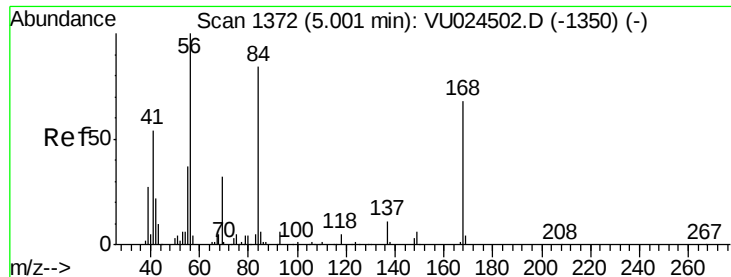
Tgt Ion: 83 Resp: 3003

Ion Ratio Lower Upper

83 100

85 61.3 52.4 78.6

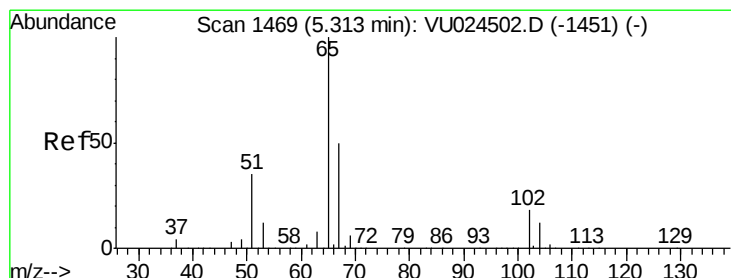
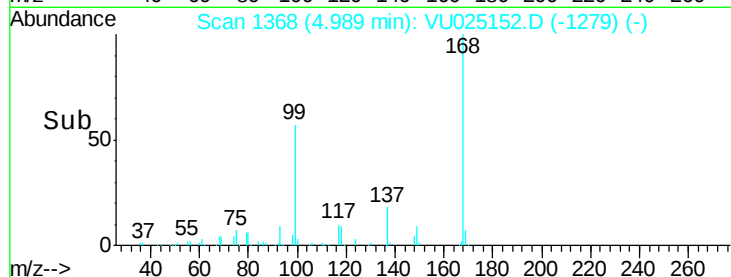
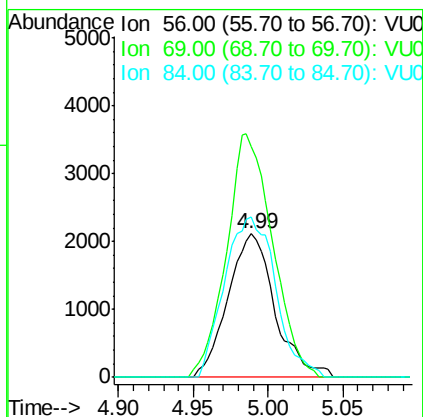
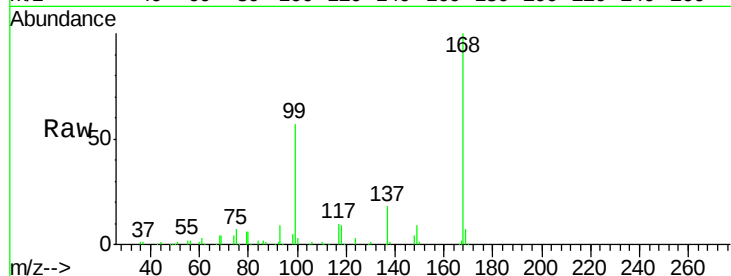




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

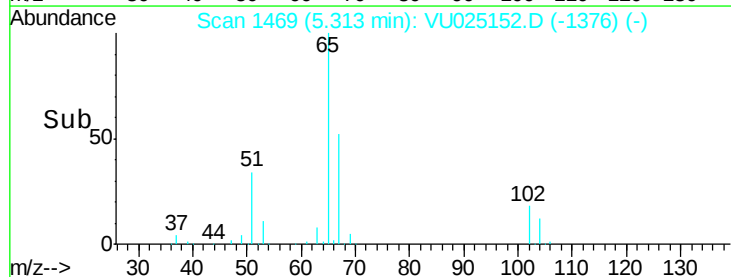
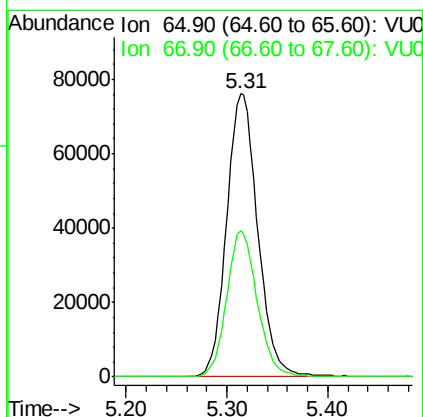
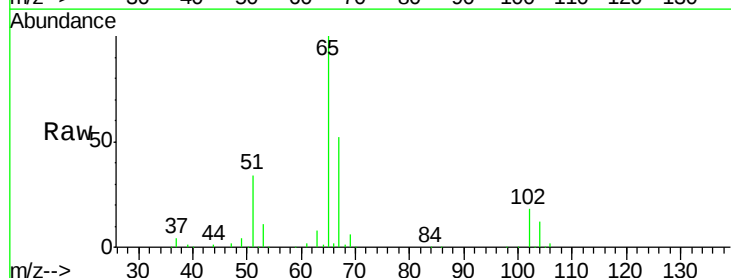
Instrument :
MSVOA_U
ClientSampleId :
TR-04-062918

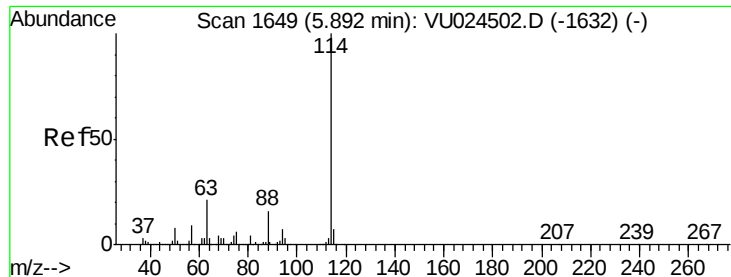
Tot Ion: 56 Resp: 4612
Ion Ratio Lower Upper
56 100
69 161.5 24.8 37.2#
84 112.0 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.965 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

Tgt Ion: 65 Resp: 163346
Ion Ratio Lower Upper
65 100
67 50.8 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: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

TR-04-062918

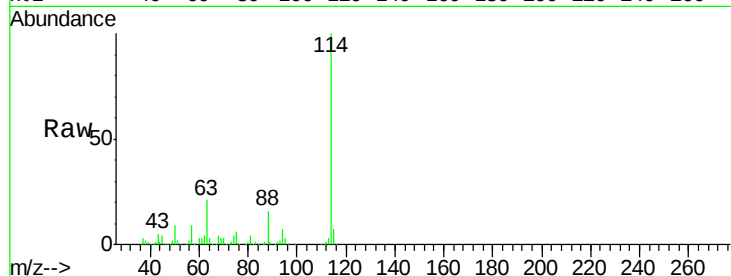
Tot Ion:114 Resp: 321321

Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.4

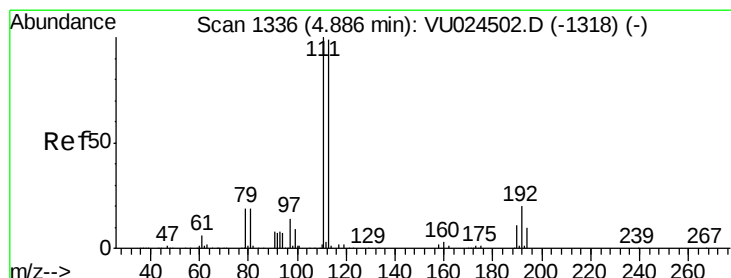
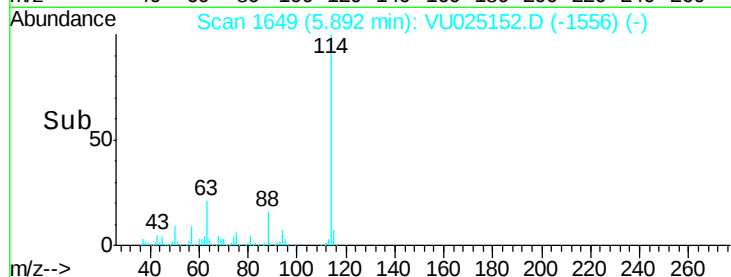
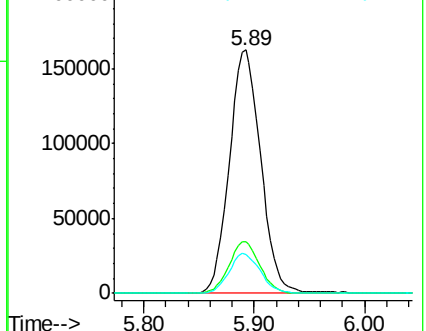
88 16.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 48.110 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

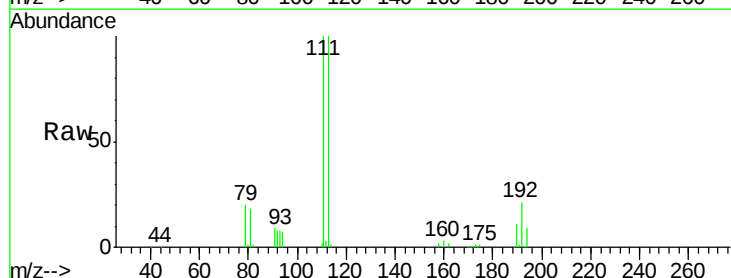
Tgt Ion:113 Resp: 128297

Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.4

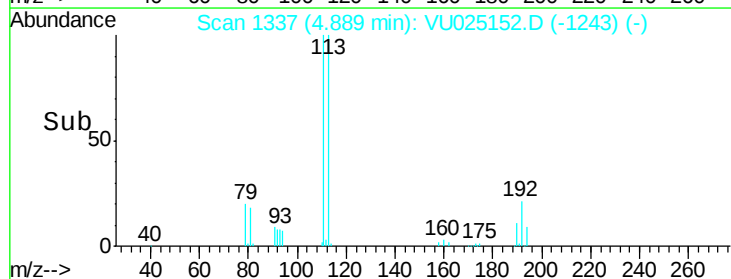
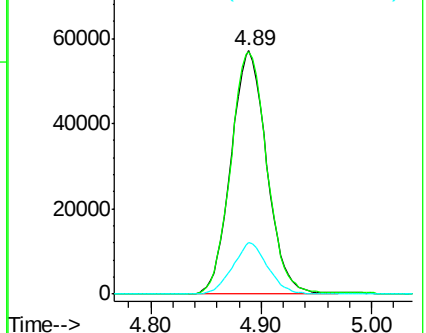
192 20.6 16.2 24.4

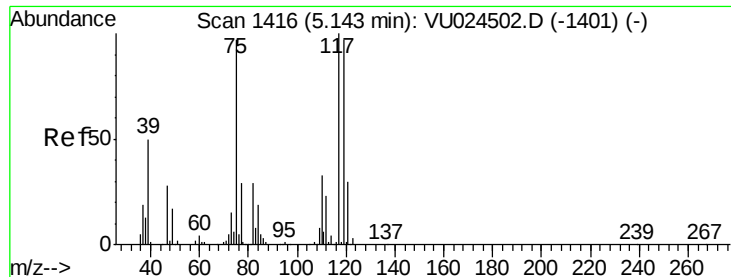


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.129 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

TR-04-062918

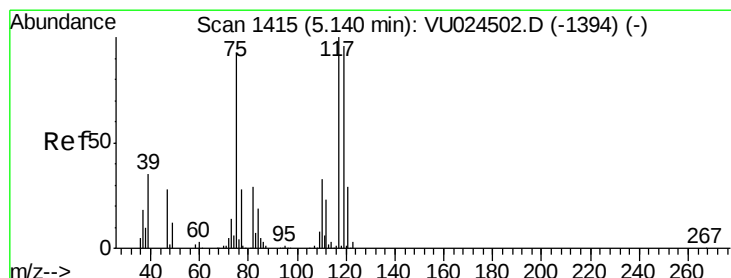
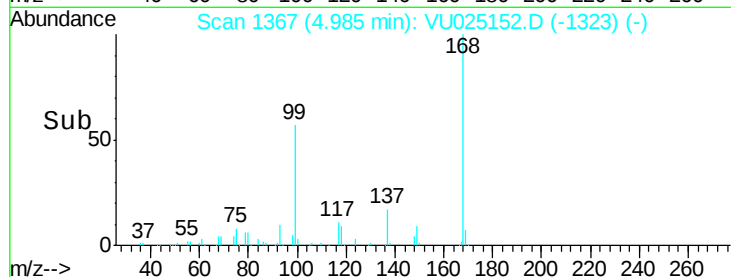
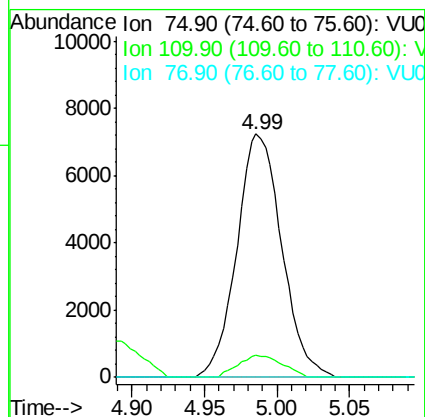
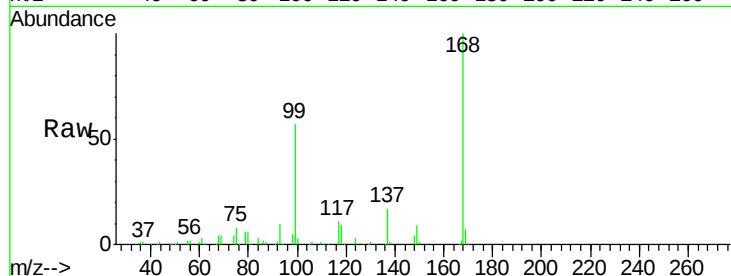
Tot Ion: 75 Resp: 15589

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.097 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

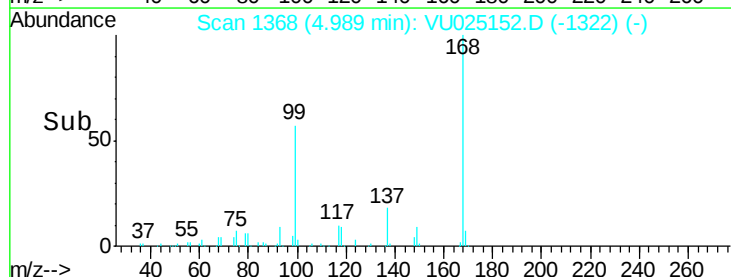
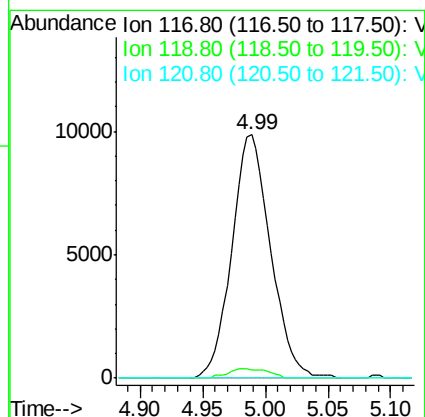
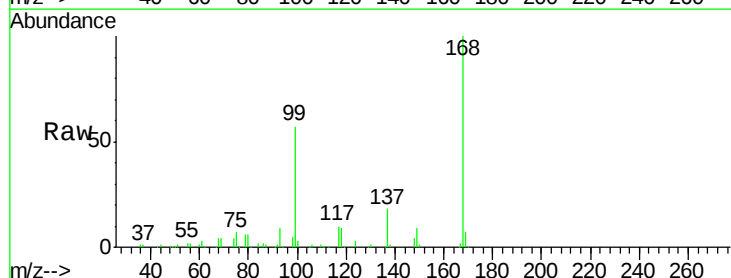
Tgt Ion: 117 Resp: 21164

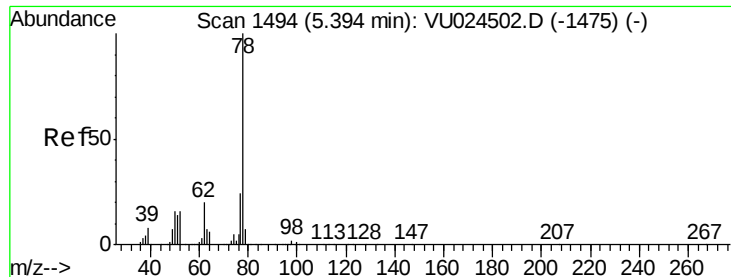
Ion Ratio Lower Upper

117 100

119 3.4 76.1 114.1#

121 0.0 23.7 35.5#





#40

Benzene

Concen: 0.252 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

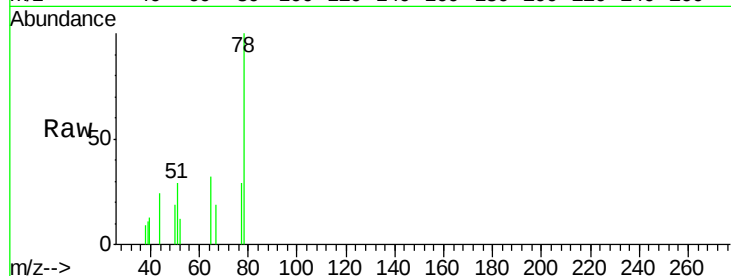
TR-04-062918

Tot Ion: 78 Resp: 2710

Ion Ratio Lower Upper

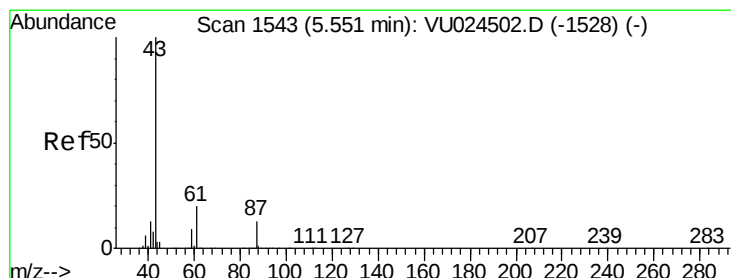
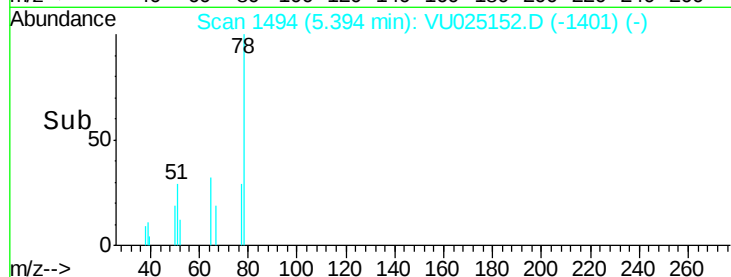
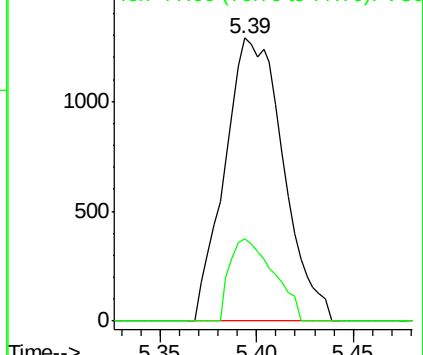
78 100

77 29.0 19.2 28.8#



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#43

Isopropyl Acetate

Concen: 3.476 ug/l

RT: 5.82 min Scan# 1625

Delta R.T. 0.26 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

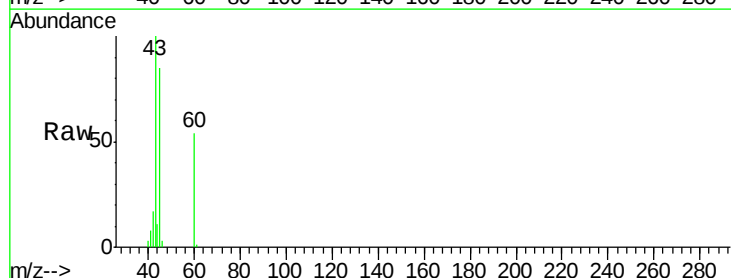
Tgt Ion: 43 Resp: 24730

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

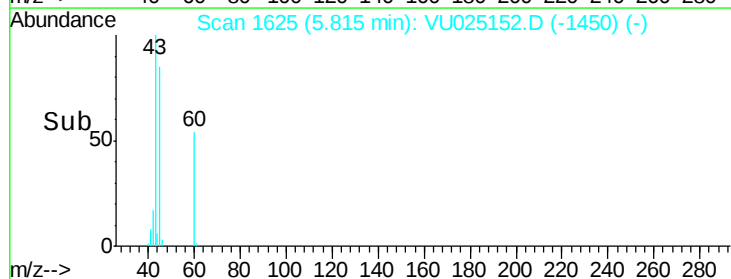
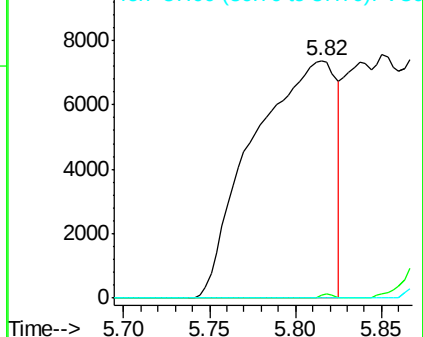
87 0.0 10.0 15.0#

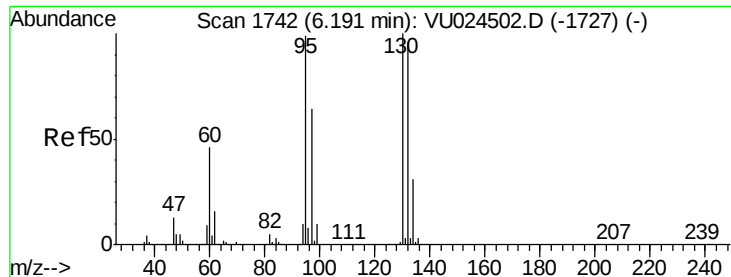


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#44

Trichloroethene

Concen: 0.312 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

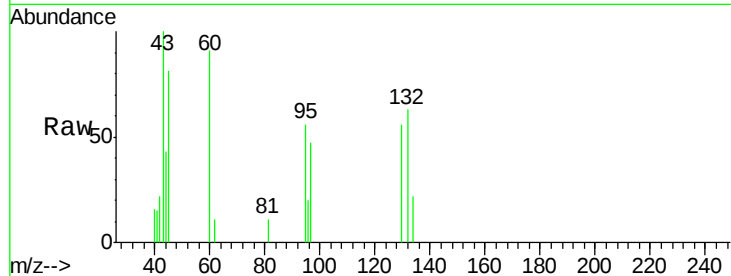
TR-04-062918

Tot Ion:130 Resp: 954

Ion Ratio Lower Upper

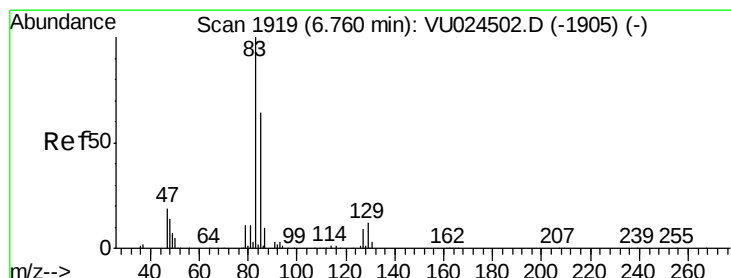
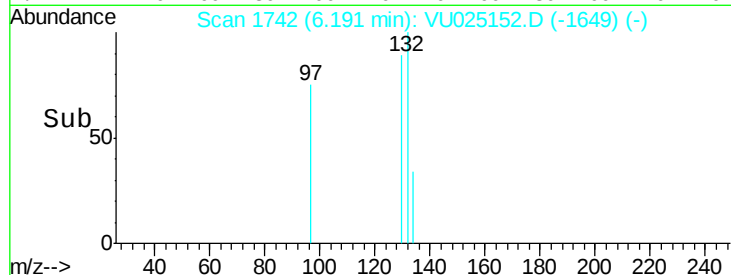
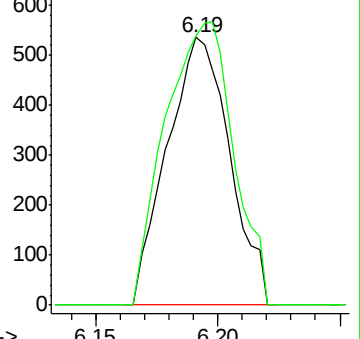
130 100

95 100.6 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#47

Bromodichloromethane

Concen: 0.359 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

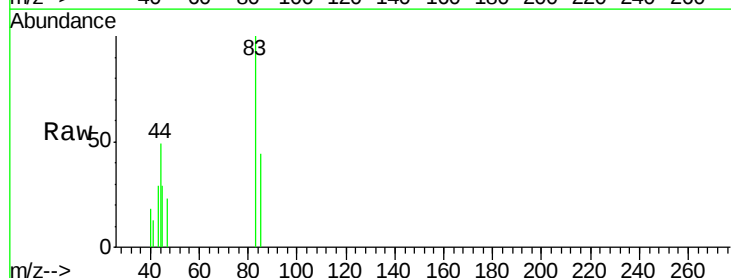
Tgt Ion: 83 Resp: 1443

Ion Ratio Lower Upper

83 100

85 44.1 51.9 77.9#

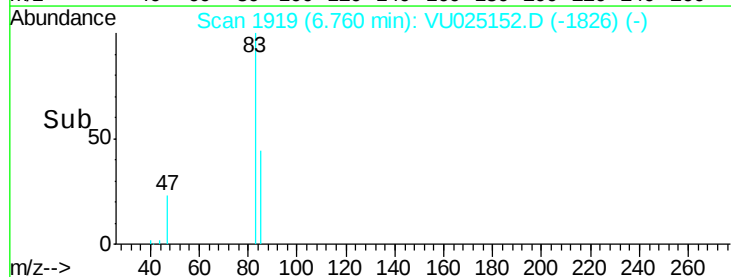
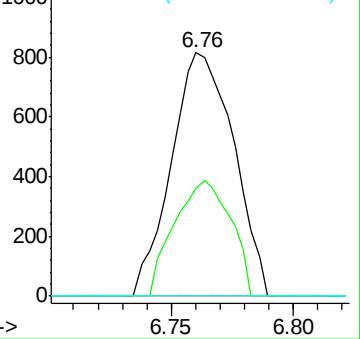
127 0.0 6.6 9.8#

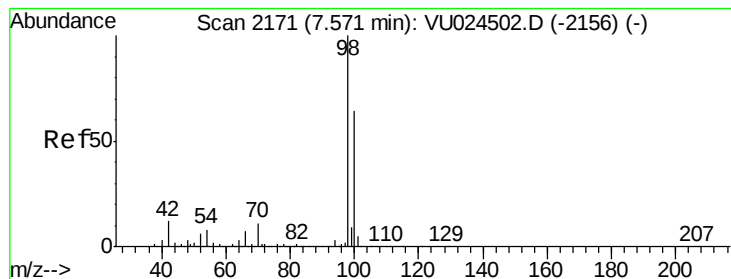


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 47.099 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

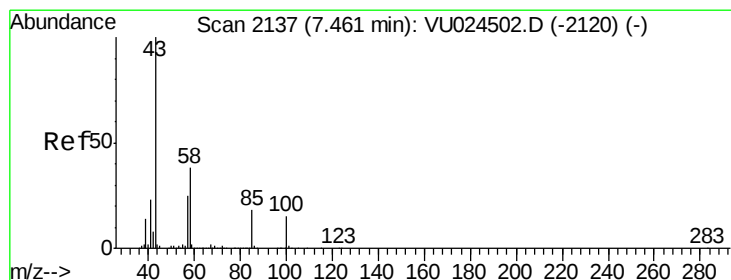
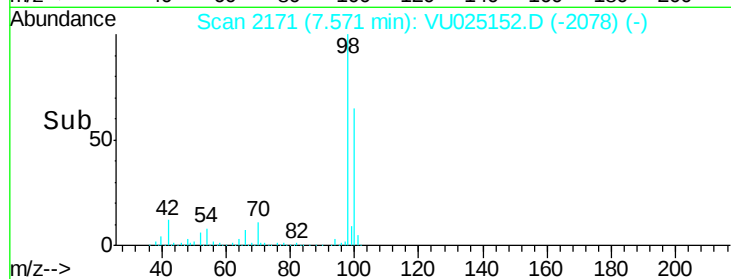
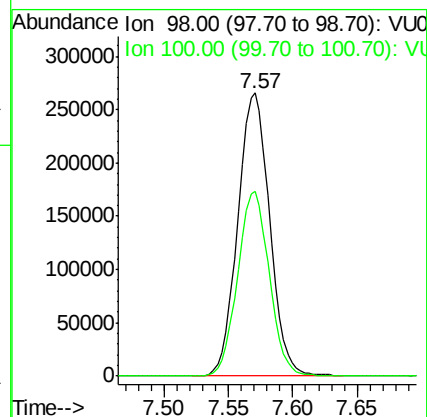
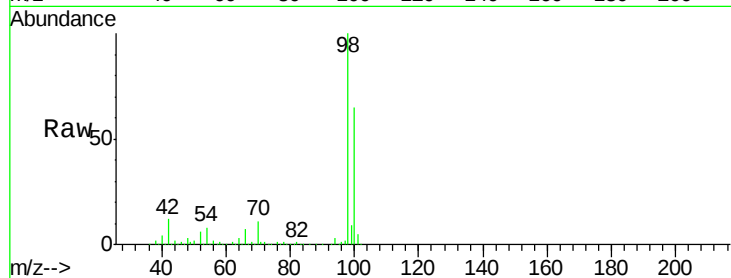
TR-04-062918

Tot Ion: 98 Resp: 458140

Ion Ratio Lower Upper

98 100

100 64.7 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.291 ug/l

RT: 7.47 min Scan# 2140

Delta R.T. 0.01 min

Lab File: VU025152.D

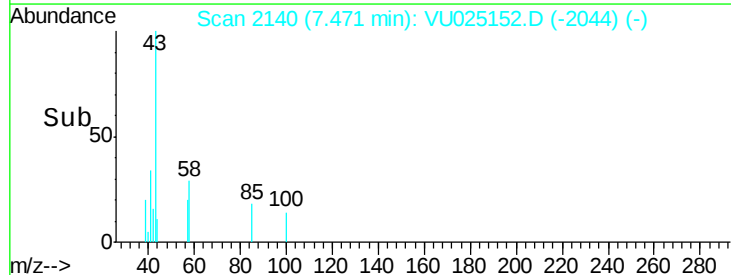
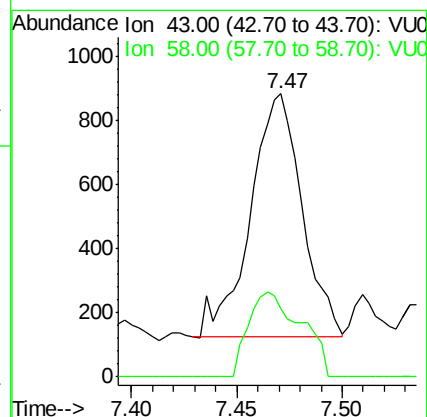
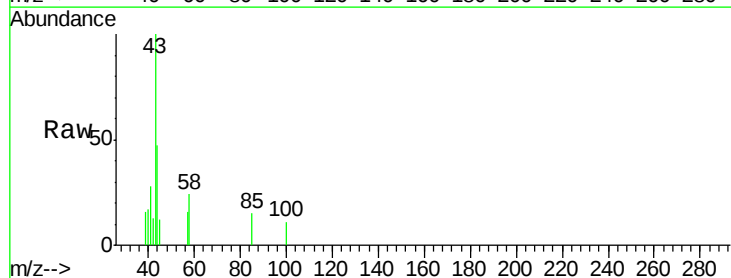
Acq: 02 Jul 2018 18:52

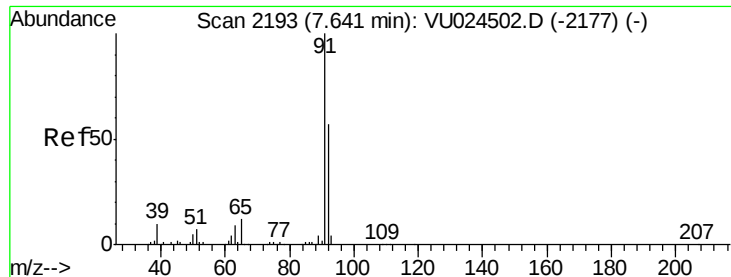
Tgt Ion: 43 Resp: 1300

Ion Ratio Lower Upper

43 100

58 35.3 30.0 45.0





#52

Toluene

Concen: 1.764 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

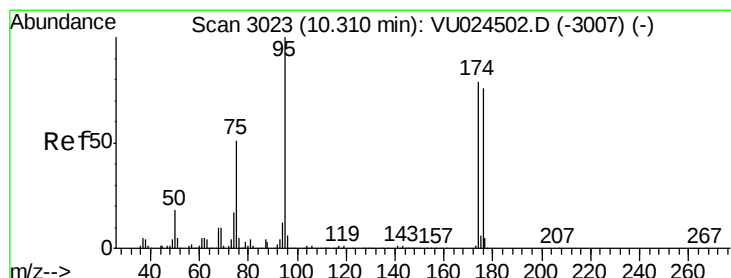
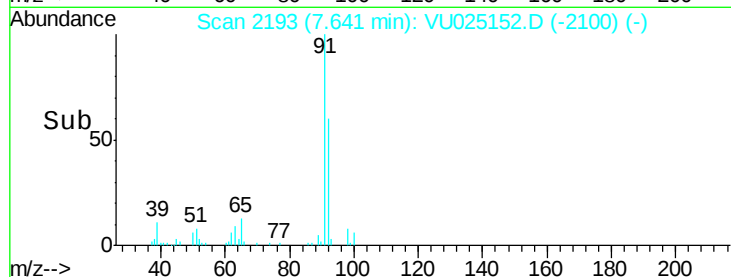
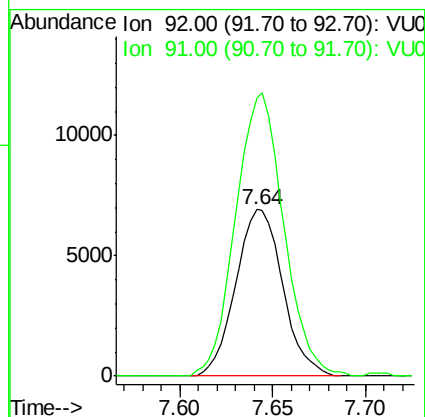
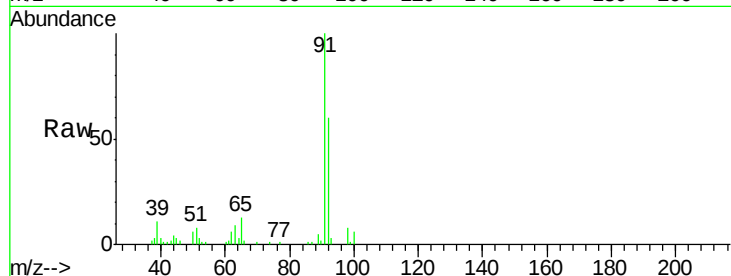
TR-04-062918

Tot Ion: 92 Resp: 12211

Ion Ratio Lower Upper

92 100

91 174.0 140.5 210.7



#62

4-Bromofluorobenzene

Concen: 44.259 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

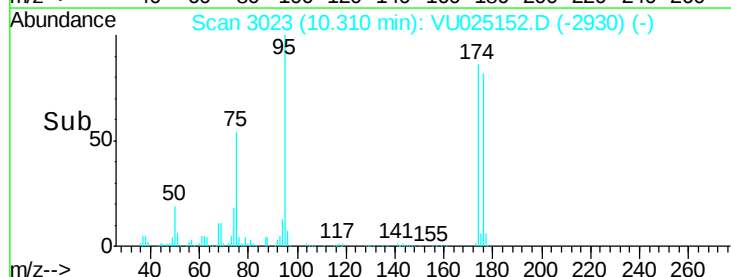
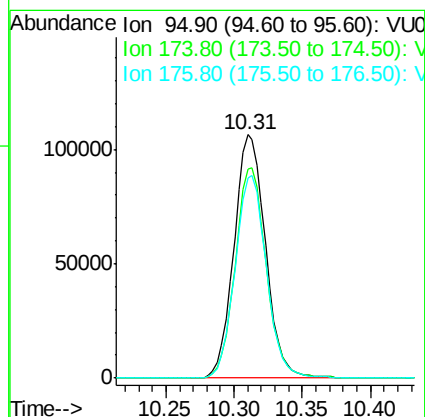
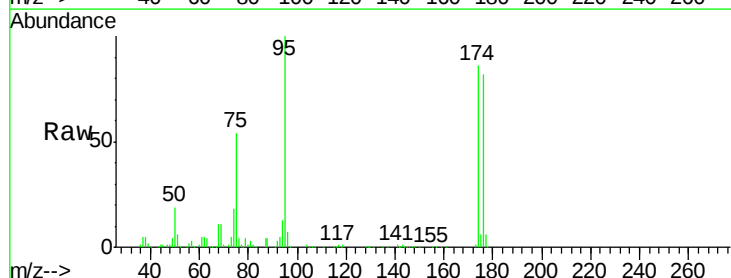
Tgt Ion: 95 Resp: 170931

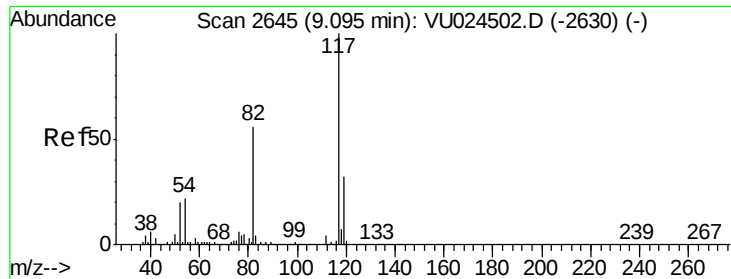
Ion Ratio Lower Upper

95 100

174 85.2 0.0 165.8

176 82.9 0.0 159.4

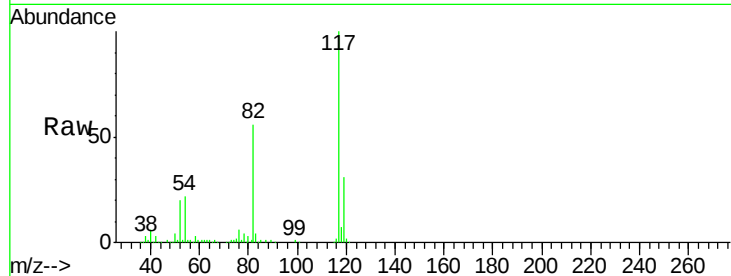




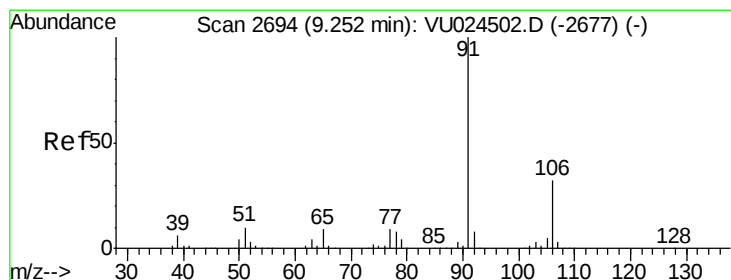
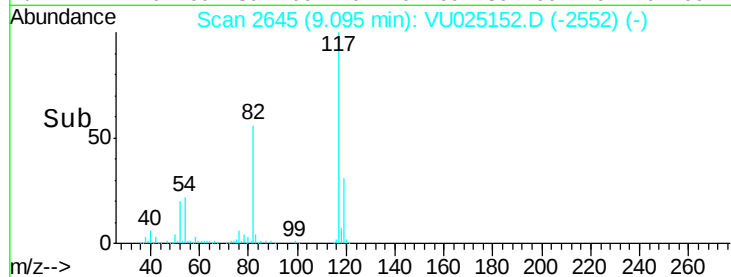
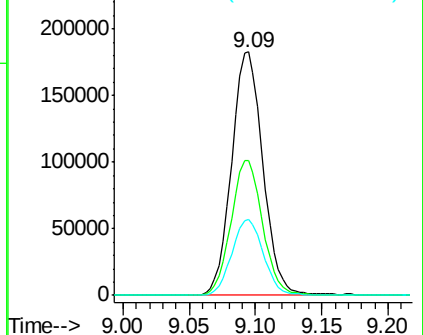
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

Instrument :
MSVOA_U
ClientSampleId :
TR-04-062918

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.3	66.5
119	31.4	25.4	38.2

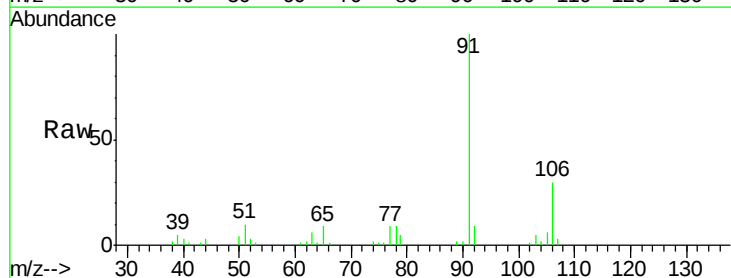


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

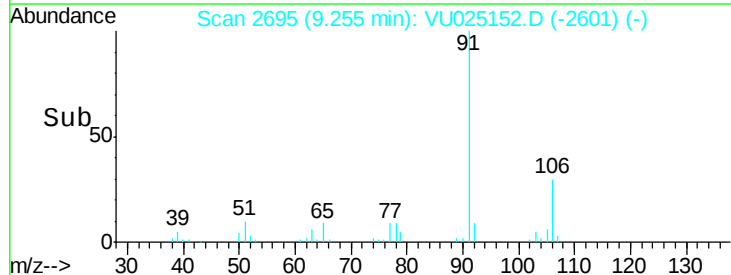
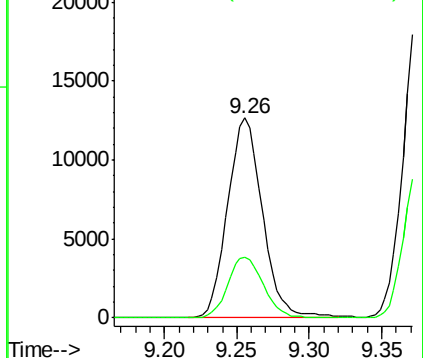


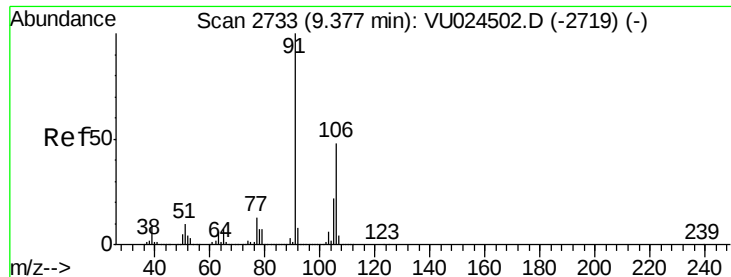
#67
Ethyl Benzene
Concen: 1.574 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.2	36.4



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

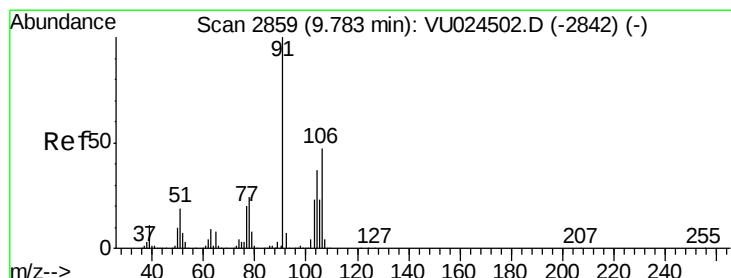
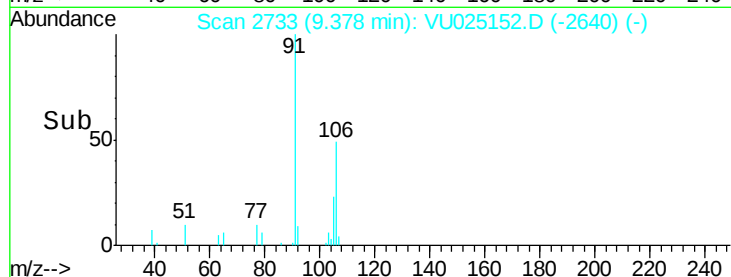
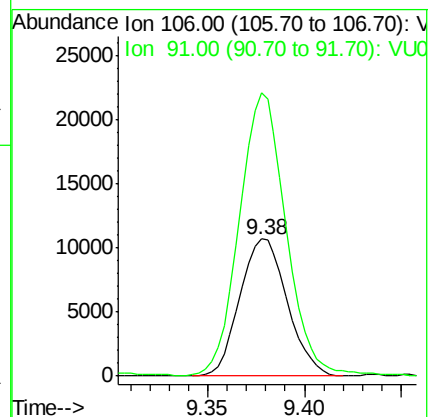
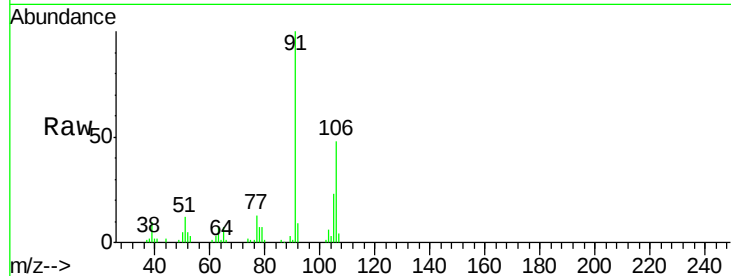




#68
m/p-Xylenes
Concen: 3.526 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

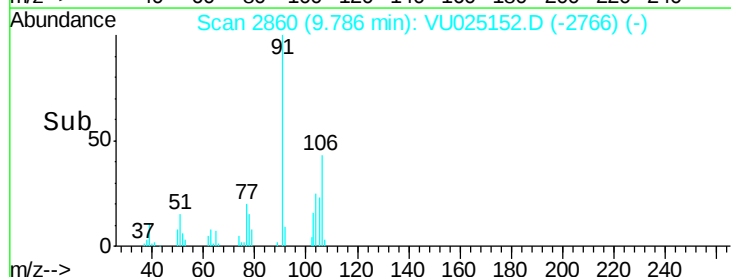
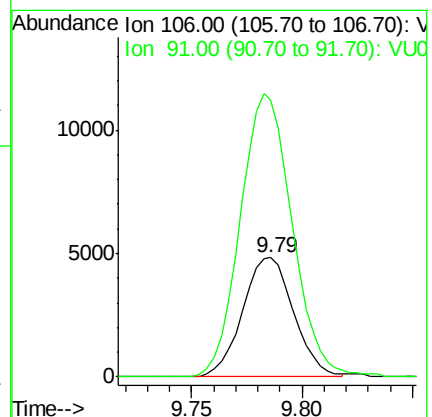
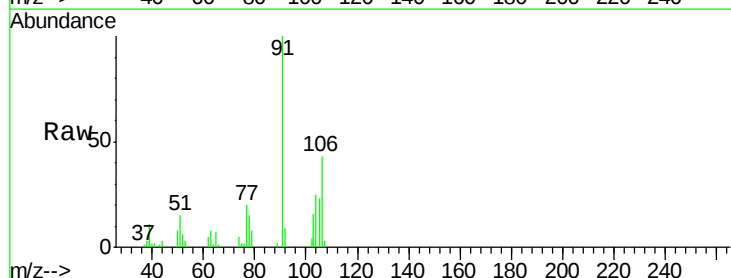
Instrument :
MSVOA_U
ClientSampleId :
TR-04-062918

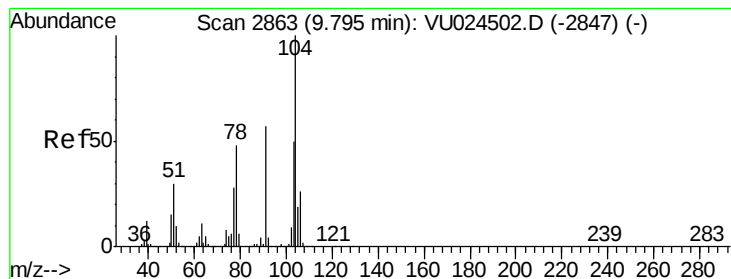
Tot Ion:106 Resp: 18229
Ion Ratio Lower Upper
106 100
91 204.0 166.5 249.7



#69
o-Xylene
Concen: 1.521 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025152.D
Acq: 02 Jul 2018 18:52

Tgt Ion:106 Resp: 7783
Ion Ratio Lower Upper
106 100
91 240.8 110.7 331.9





#70

Stvrene

Concen: 1.138 ug/l

RT: 9.80 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

TR-04-062918

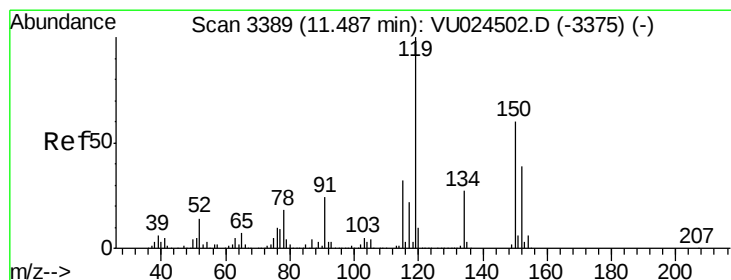
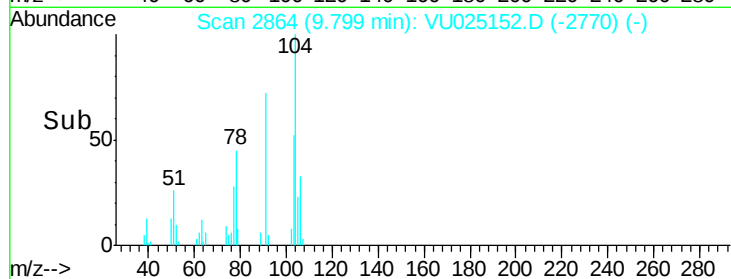
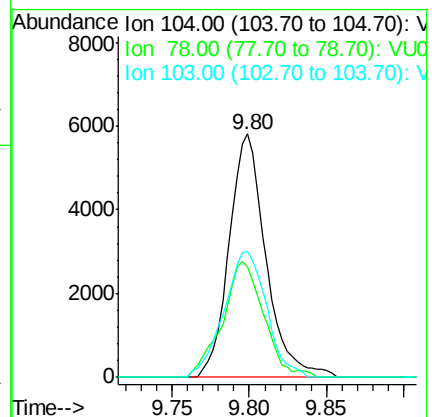
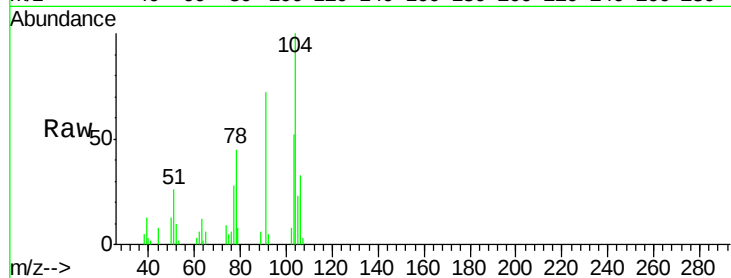
Tot Ion:104 Resp: 9571

Ion Ratio Lower Upper

104 100

78 53.4 40.6 60.8

103 59.9 44.7 67.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

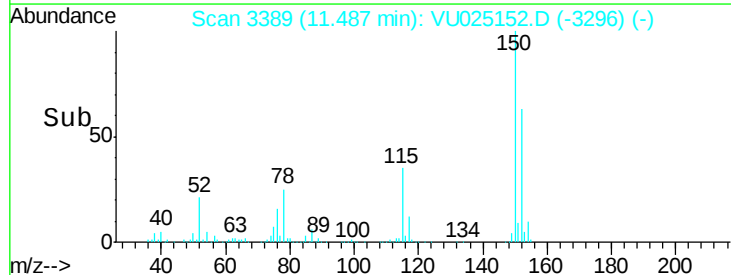
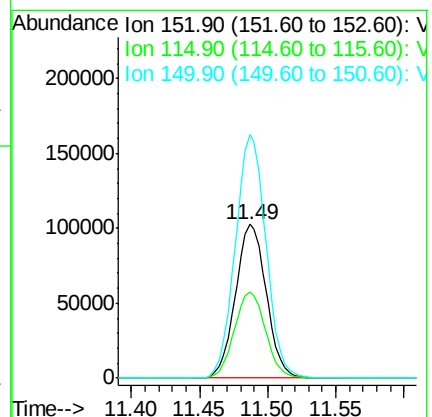
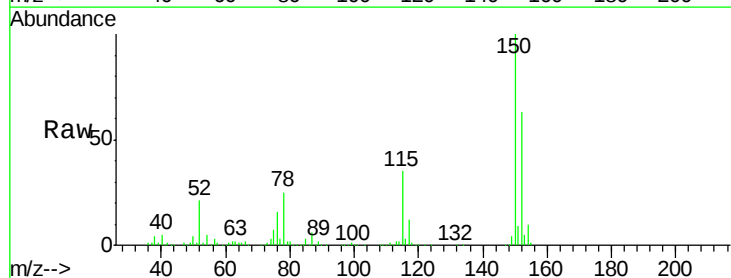
Tgt Ion:152 Resp: 161207

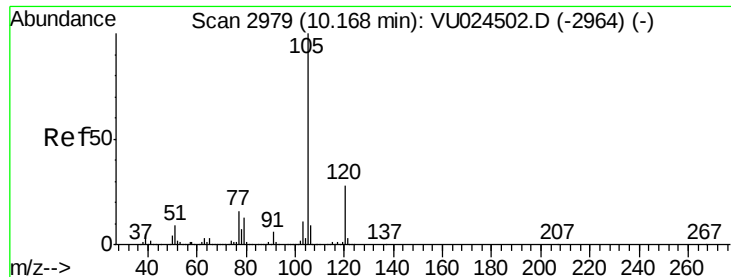
Ion Ratio Lower Upper

152 100

115 56.8 43.0 129.0

150 157.2 0.0 354.0





#73

Isopropylbenzene

Concen: 0.268 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

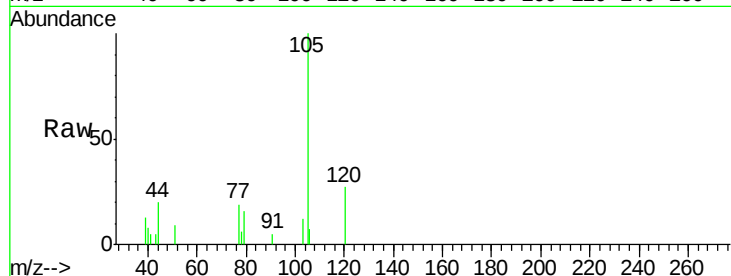
TR-04-062918

Tot Ion:105 Resp: 3317

Ion Ratio Lower Upper

105 100

120 28.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500

2000

1500

1000

500

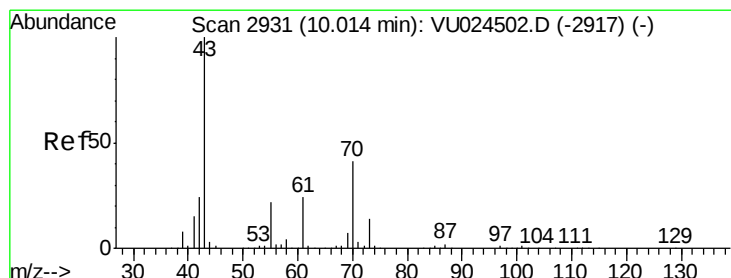
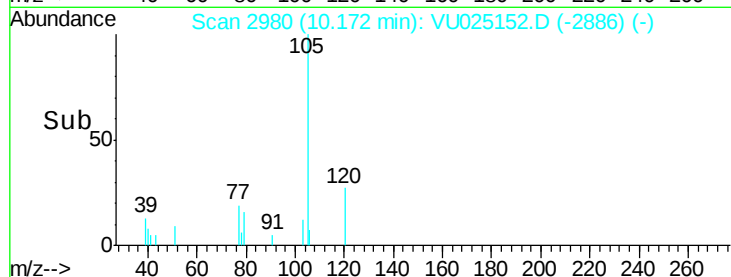
0

10.15

10.17

10.20

Time-->



#74

N-ethyl acetate

Concen: 0.300 ug/l

RT: 9.93 min Scan# 2906

Delta R.T. -0.08 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Tgt Ion: 43 Resp: 1767

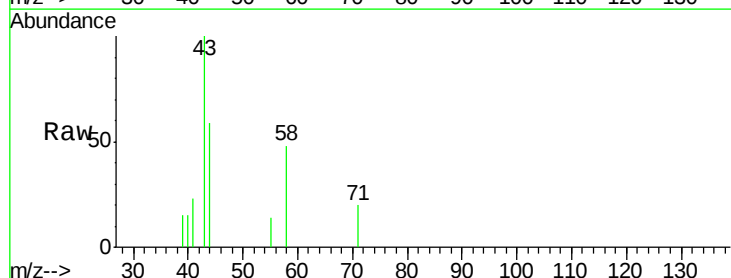
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 2.4 20.5 30.7#

61 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

1200

1000

800

600

400

200

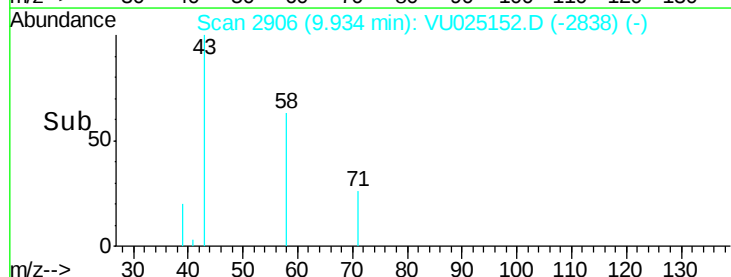
0

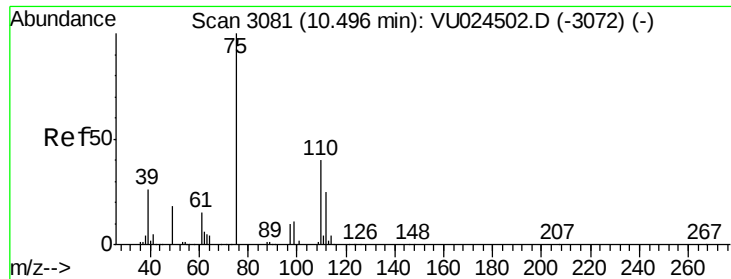
9.90

9.93

9.95

Time-->

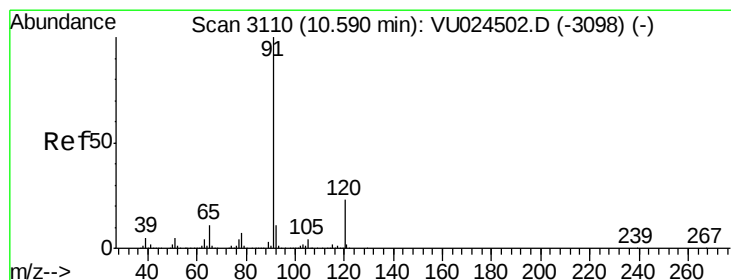
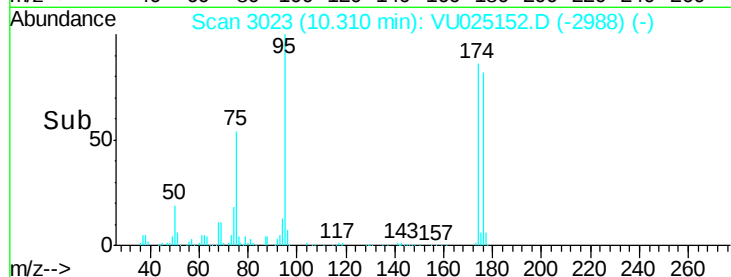
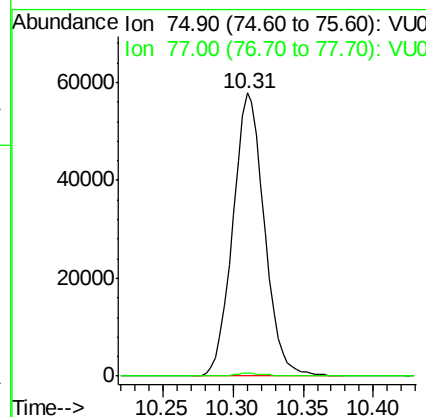
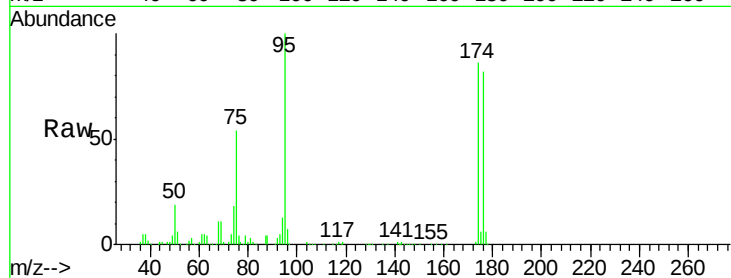




#76
 1,2,3-Trichloropropane
 Concen: 25.500 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025152.D
 Acq: 02 Jul 2018 18:52

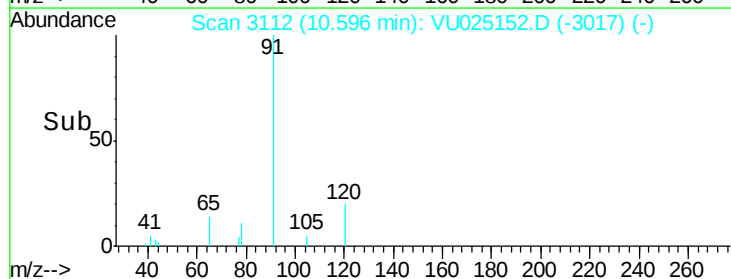
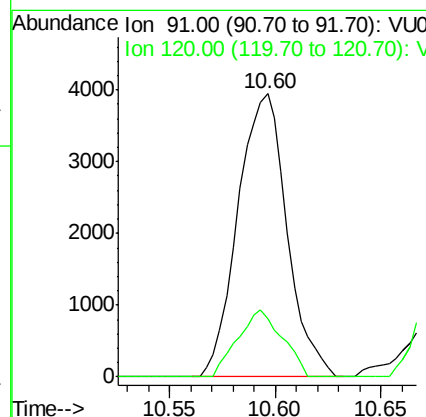
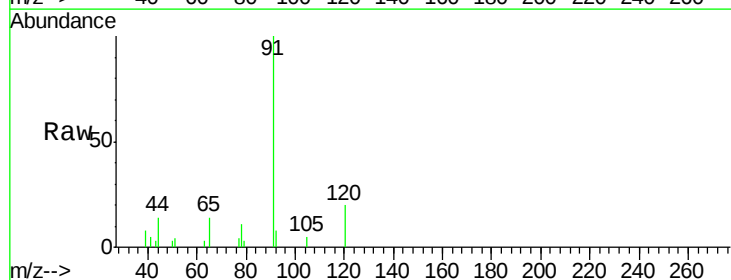
Instrument :
 MSVOA_U
 ClientSampleId :
 TR-04-062918

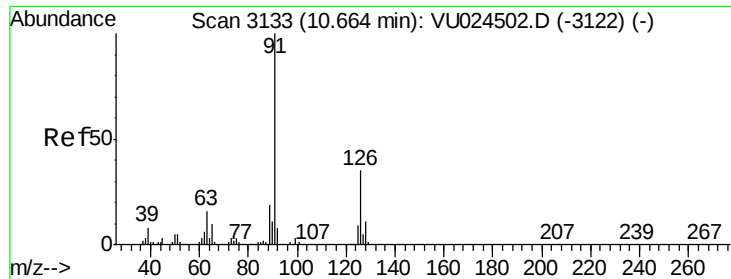
Tot Ion: 75 Resp: 90504
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.7#



#78
 n-propylbenzene
 Concen: 0.437 ug/l
 RT: 10.60 min Scan# 3112
 Delta R.T. 0.01 min
 Lab File: VU025152.D
 Acq: 02 Jul 2018 18:52

Tgt Ion: 91 Resp: 6378
 Ion Ratio Lower Upper
 91 100
 120 21.3 11.2 33.5

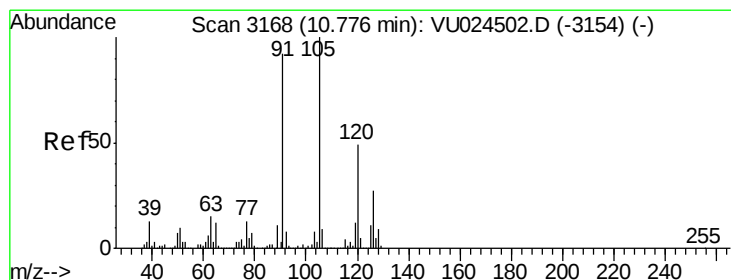
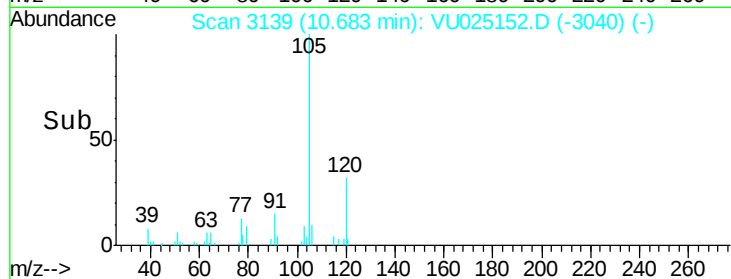
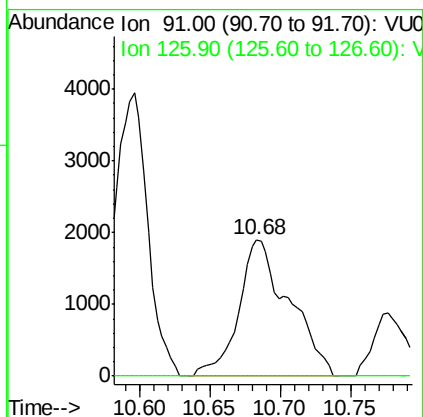
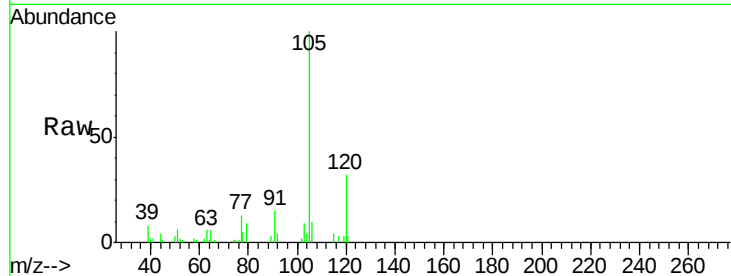




#79
 2-Chlorotoluene
 Concen: 0.551 ug/l
 RT: 10.68 min Scan# 3139
 Delta R.T. 0.02 min
 Lab File: VU025152.D
 Acq: 02 Jul 2018 18:52

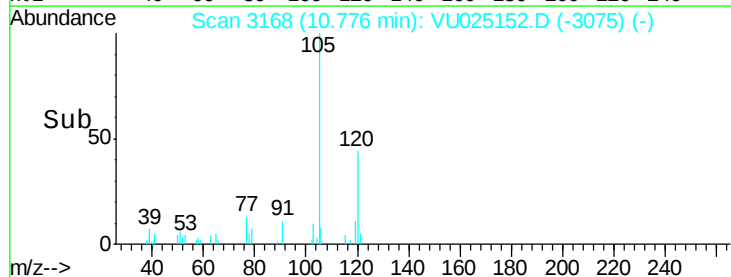
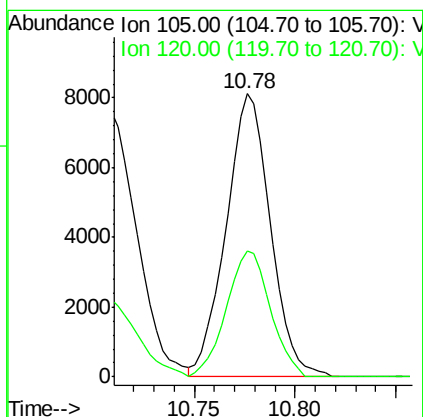
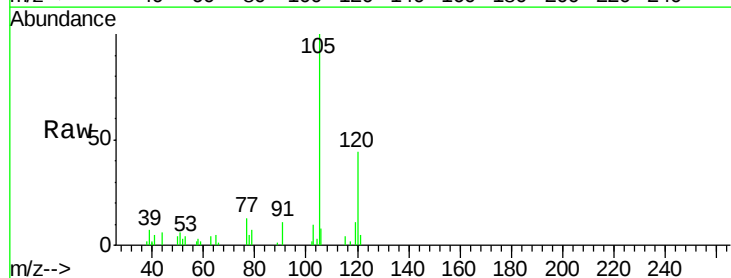
Instrument :
 MSVOA_U
 ClientSampleId :
 TR-04-062918

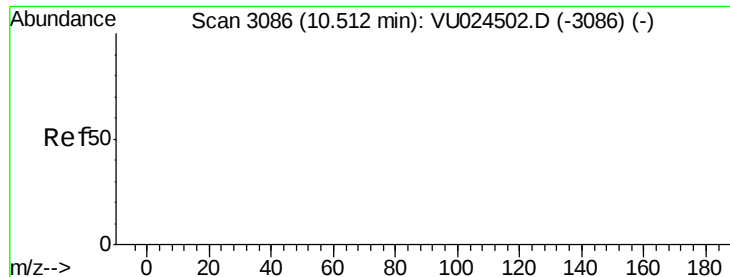
Tot Ion: 91 Resp: 4737
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.9 50.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.164 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025152.D
 Acq: 02 Jul 2018 18:52

Tgt Ion: 105 Resp: 12485
 Ion Ratio Lower Upper
 105 100
 120 44.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 59.017 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

TR-04-062918

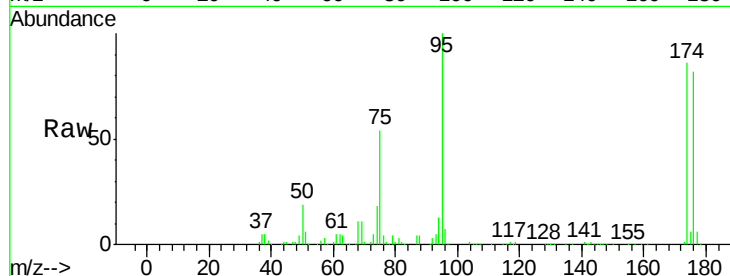
Tot Ion: 75 Resp: 90504

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

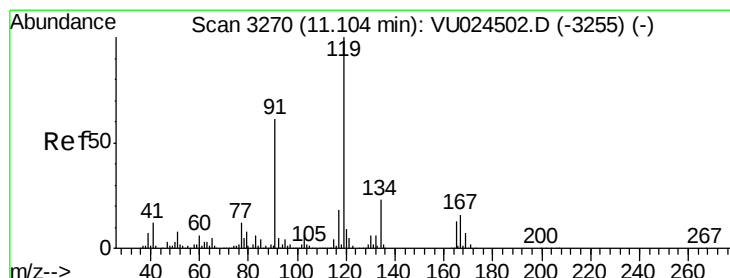
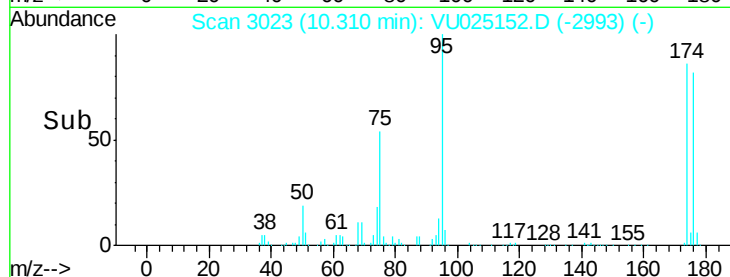
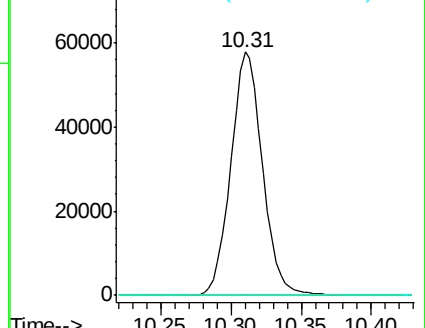
89 0.0 0.0 0.0



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) (-)



#83

tert-Butylbenzene

Concen: 0.577 ug/l

RT: 11.15 min Scan# 3284

Delta R.T. 0.05 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

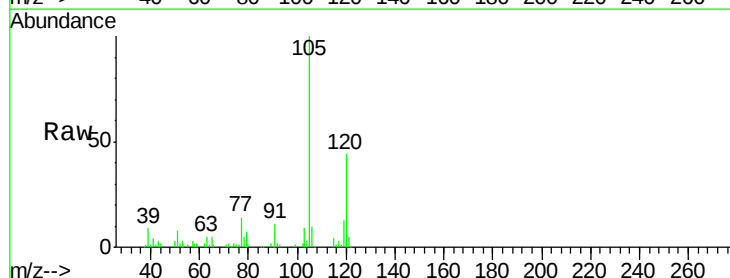
Tgt Ion: 119 Resp: 5950

Ion Ratio Lower Upper

119 100

91 89.0 29.7 89.1

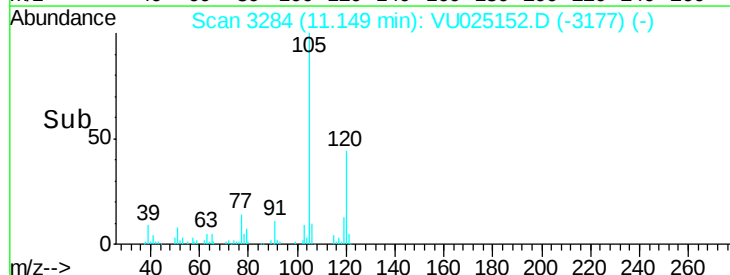
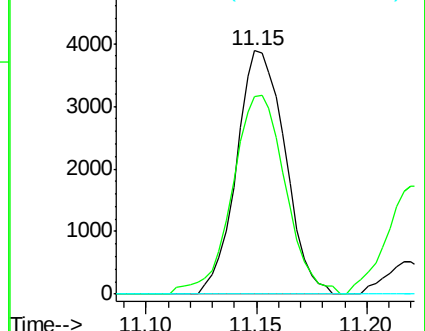
134 0.0 11.6 34.7#

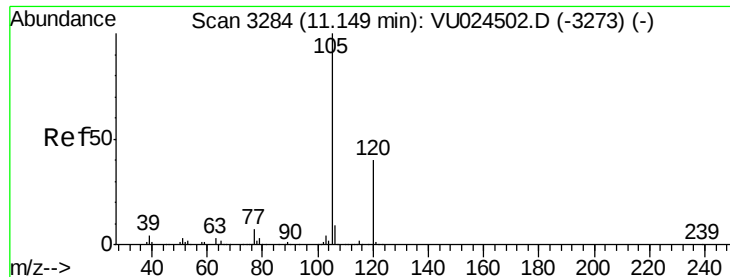


Abundance Ion 119.00 (118.70 to 119.70): VU024502.D (-3255) (-)

Ion 91.00 (90.70 to 91.70): VU024502.D (-3255) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3255) (-)





#84

1,2,4-Trimethylbenzene

Concen: 4.241 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

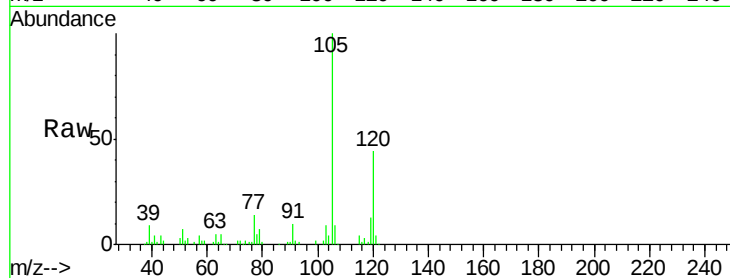
TR-04-062918

Tot Ion:105 Resp: 46367

Ion Ratio Lower Upper

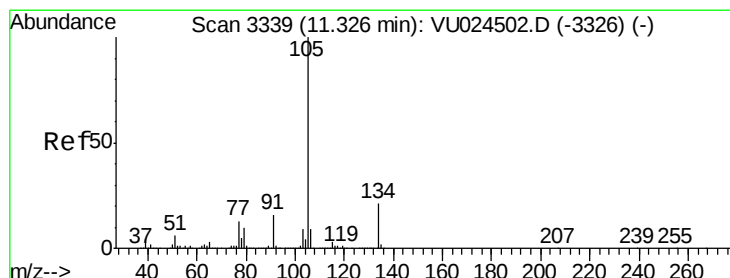
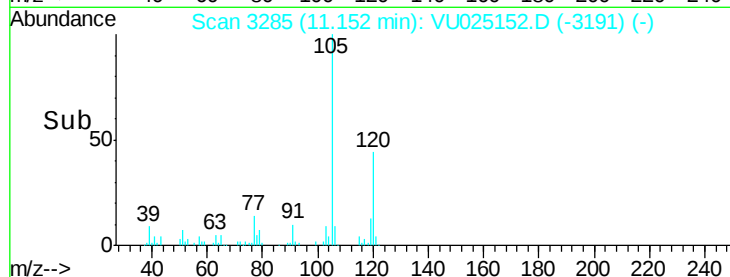
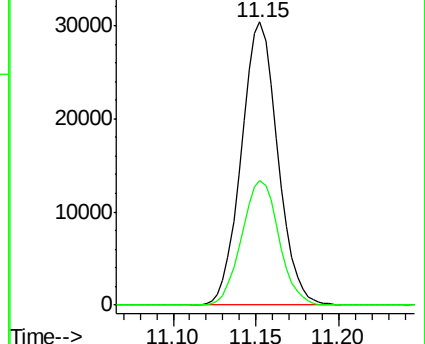
105 100

120 44.9 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.223 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025152.D

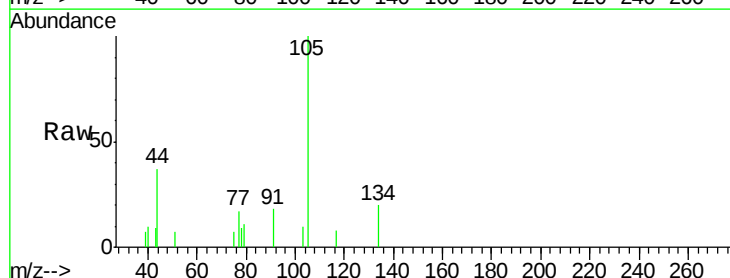
Acq: 02 Jul 2018 18:52

Tgt Ion:105 Resp: 2883

Ion Ratio Lower Upper

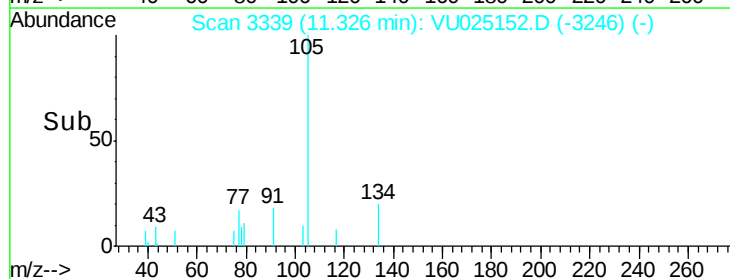
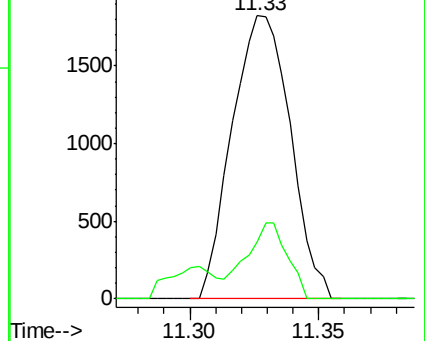
105 100

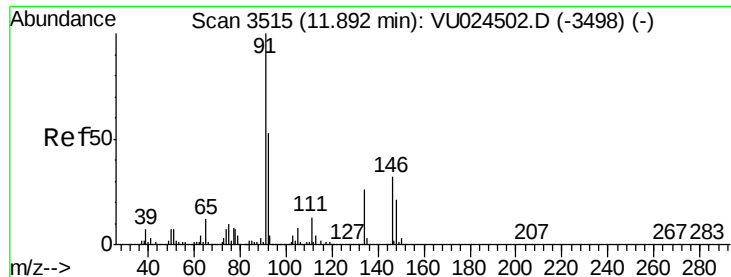
134 18.9 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 0.431 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

TR-04-062918

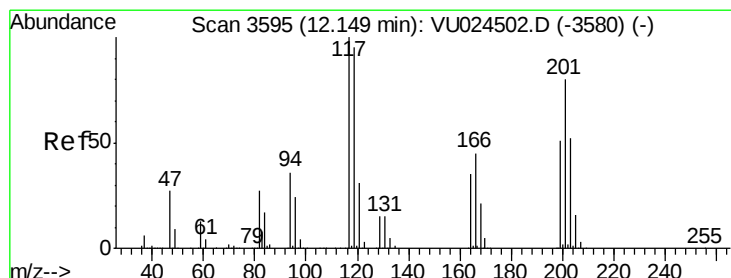
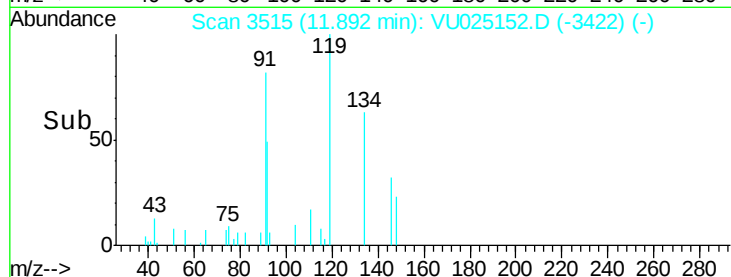
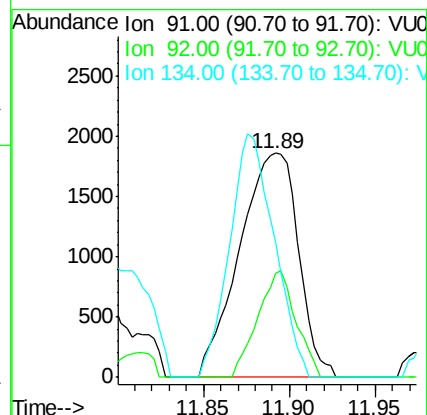
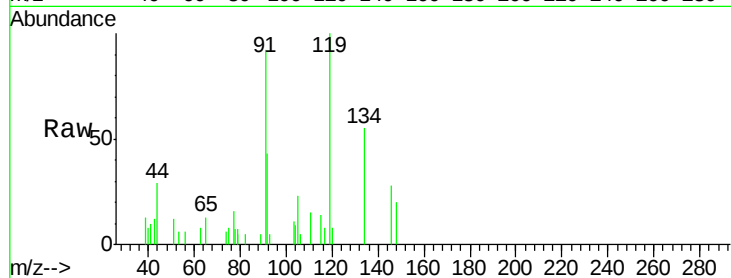
Tot Ion: 91 Resp: 4425

Ion Ratio Lower Upper

91 100

92 30.8 25.6 76.8

134 83.1 12.3 36.8#



#90

Hexachloroethane

Concen: 0.241 ug/l

RT: 12.16 min Scan# 3597

Delta R.T. 0.01 min

Lab File: VU025152.D

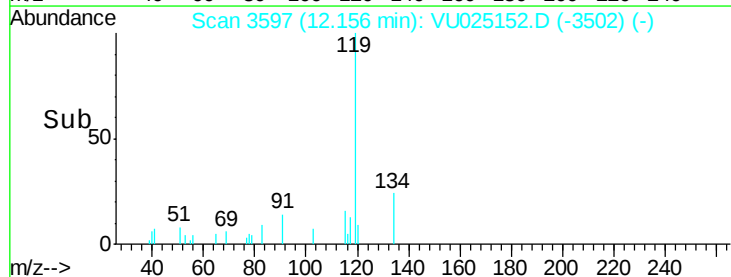
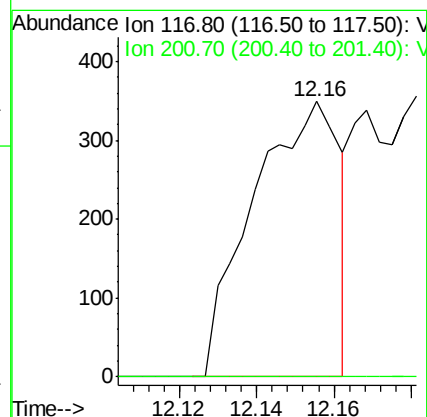
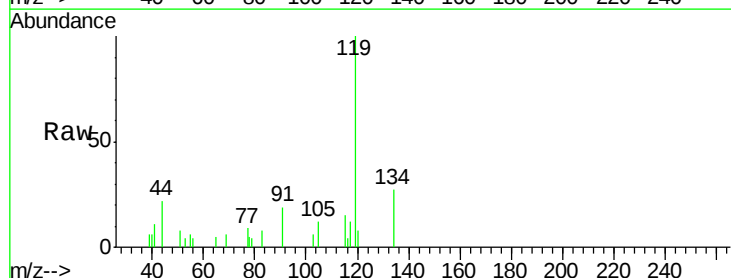
Acq: 02 Jul 2018 18:52

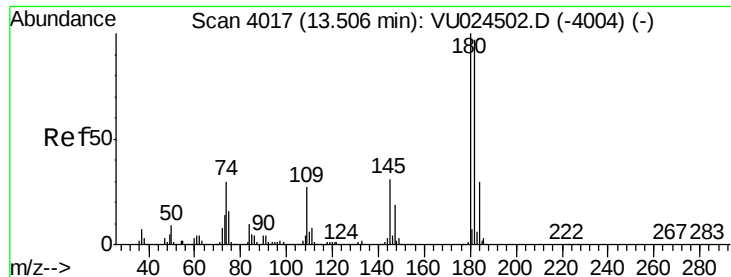
Tgt Ion: 117 Resp: 543

Ion Ratio Lower Upper

117 100

201 0.0 41.1 123.3#





#93

1,2,4-Trichlorobenzene

Concen: 1.353 ug/l

RT: 13.51 min Scan# 4018

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

TR-04-062918

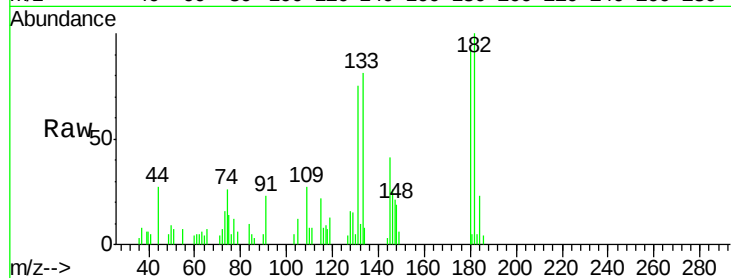
Tot Ion:180 Resp: 4844

Ion Ratio Lower Upper

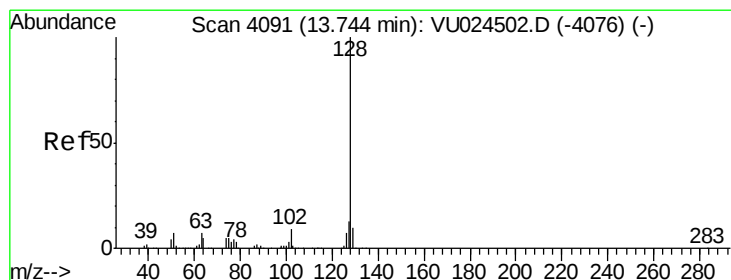
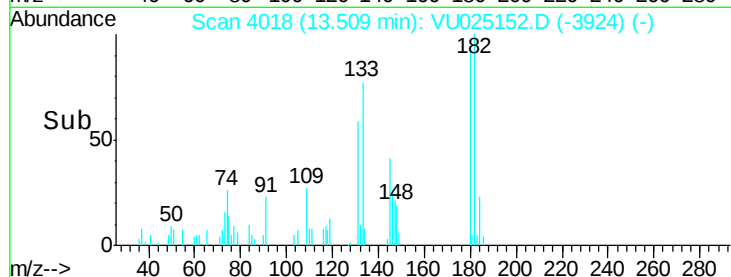
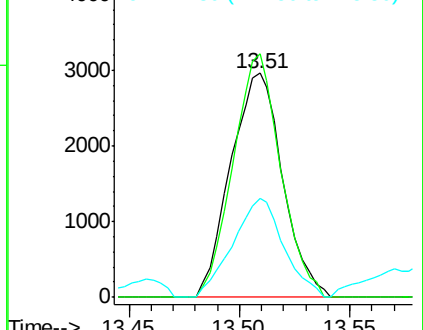
180 100

182 99.4 48.0 144.2

145 43.1 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 53.005 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025152.D

Acq: 02 Jul 2018 18:52

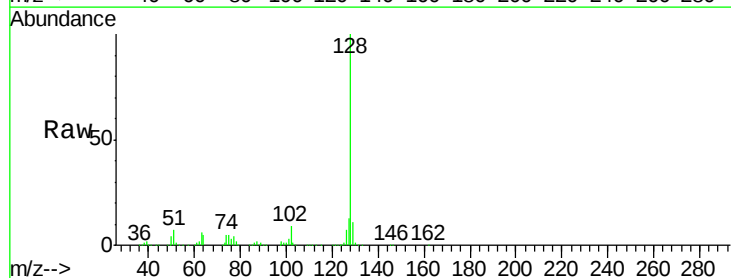
Tgt Ion:128 Resp: 628786

Ion Ratio Lower Upper

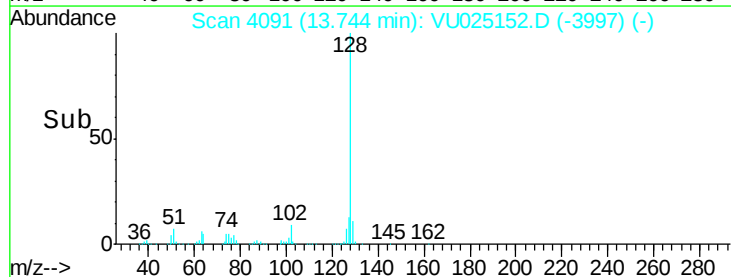
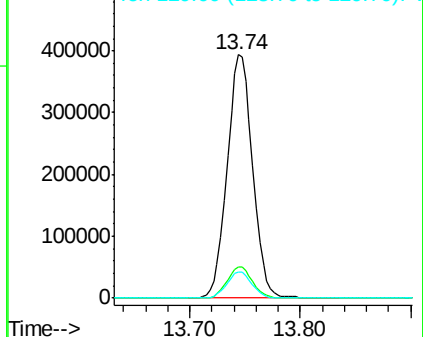
128 100

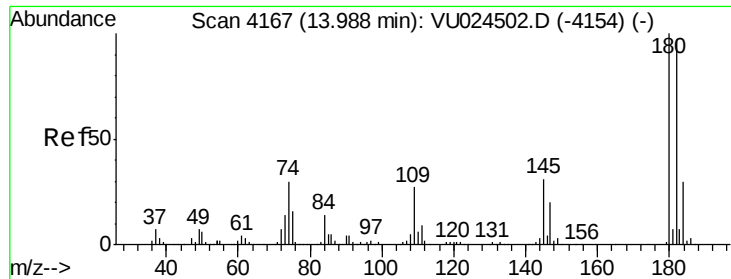
127 12.9 10.6 16.0

129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.221 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025152.D

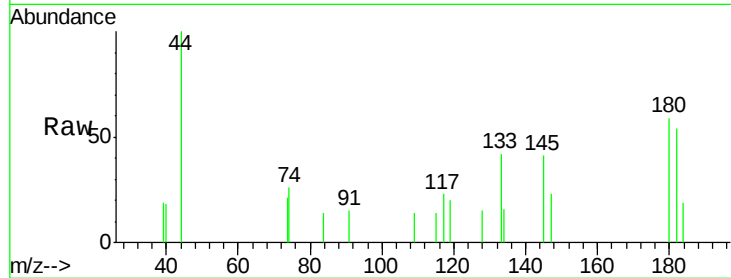
Acq: 02 Jul 2018 18:52

Instrument :

MSVOA_U

ClientSampleId :

TR-04-062918



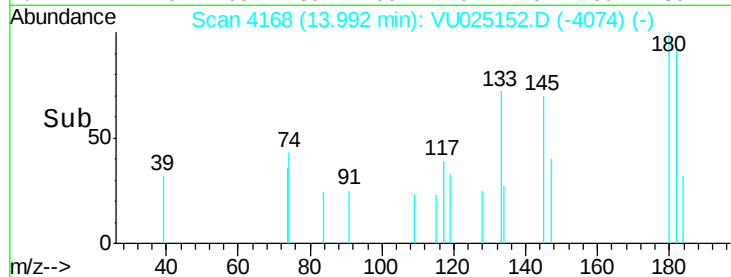
Tot Ion:180 Resp: 787

Ion Ratio Lower Upper

180 100

182 92.2 47.9 143.7

145 60.9 15.4 46.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

