

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025782.D
 Acq On : 01 Aug 2018 17:29
 Operator : MD/SY
 Sample : J4262-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-073118

Quant Time: Aug 02 04:47:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	202325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	317247	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	312633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	198503	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	154829	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
35) Dibromofluoromethane	4.89	113	131765	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
50) Toluene-d8	7.57	98	462038	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
62) 4-Bromofluorobenzene	10.31	95	187695	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	2258	3.27	ug/l	# 91
13) Acrolein	2.19	56	49	Below	Cal	# 1
16) Acetone	2.33	43	7122	4.63	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	5866	0.75	ug/l	99
20) Methylene Chloride	2.71	84	706	0.26	ug/l	# 67
25) 2-Butanone	4.29	43	720	0.34	ug/l	# 49
29) Tetrahydrofuran	4.65	42	401	0.32	ug/l	# 48
31) Cyclohexane	4.99	56	4233	Below	Cal	# 12
36) 1,1-Dichloropropene	4.99	75	14032	3.78	ug/l	# 51
38) Carbon Tetrachloride	4.99	117	18783	4.47	ug/l	# 16
39) Methylcyclohexane	6.42	83	1261	0.30	ug/l	88
40) Benzene	5.39	78	136249	12.57	ug/l	99
41) Methacrylonitrile	4.65	41	532	0.25	ug/l	# 38
42) 1,2-Dichloroethane	5.39	62	1191	0.29	ug/l	# 77
52) Toluene	7.64	92	6101	0.91	ug/l	100
67) Ethyl Benzene	9.25	91	49021	3.67	ug/l	98
68) m/p-Xylenes	9.38	106	17575	3.43	ug/l	93
69) o-Xylene	9.78	106	11650	2.33	ug/l	97
70) Styrene	9.80	104	2852	0.35	ug/l	# 40
73) Isopropylbenzene	10.17	105	98662	7.28	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	93828	21.45	ug/l	# 37
78) n-propylbenzene	10.59	91	32437	2.05	ug/l	99
79) 2-Chlorotoluene	10.71	91	3415	0.37	ug/l	# 40
80) 1,3,5-Trimethylbenzene	10.78	105	14678	1.28	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.31	75	93828	53.79	ug/l	# 100
84) 1,2,4-Trimethylbenzene	11.15	105	31675	2.72	ug/l	98
85) sec-Butylbenzene	11.33	105	4382	0.31	ug/l	98
86) p-Isopropyltoluene	11.48	119	4651	0.37	ug/l	# 72
89) n-Butylbenzene	11.77	91	324594	28.14	ug/l	# 44
90) Hexachloroethane	12.17	117	4698	2.11	ug/l	# 7
92) 1,2-Dibromo-3-Chloropropan	12.65	75	261	0.23	ug/l	# 1
95) Naphthalene	13.75	128	4477789	297.44	ug/l	99

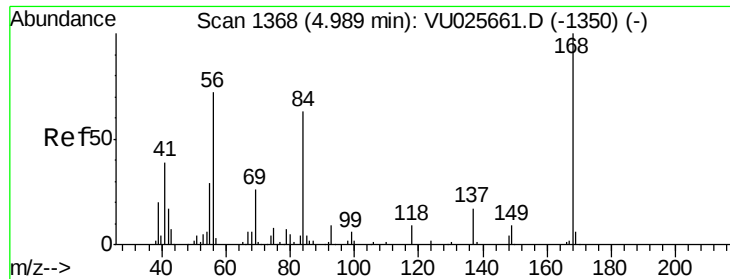
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
Data File : VU025782.D
Acq On : 01 Aug 2018 17:29
Operator : MD/SY
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Misc : 5.0mL/MSVOA U/WATER
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Quant Time: Aug 02 04:47:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 16:07:47 2018
Response via : Initial Calibration

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

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

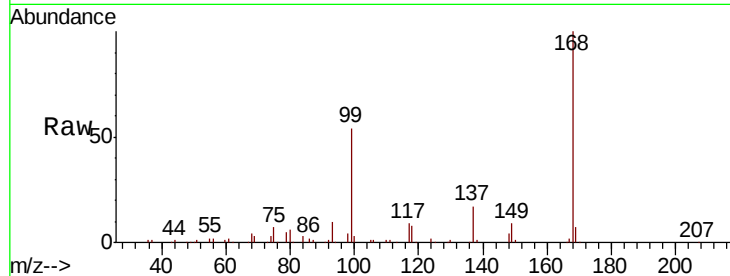
DUP-073118

Tot Ion:168 Resp: 202325

Ion Ratio Lower Upper

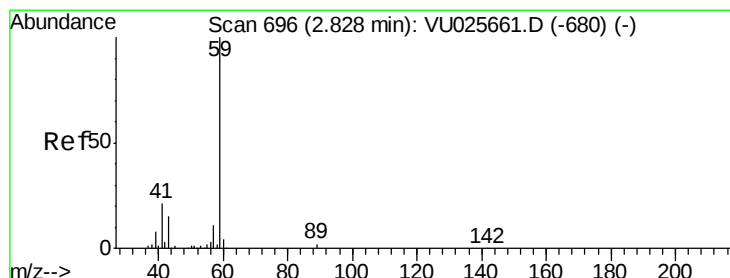
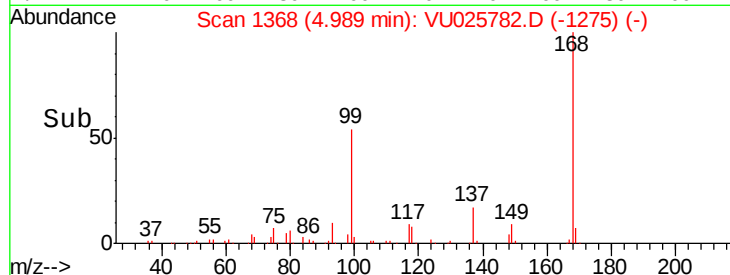
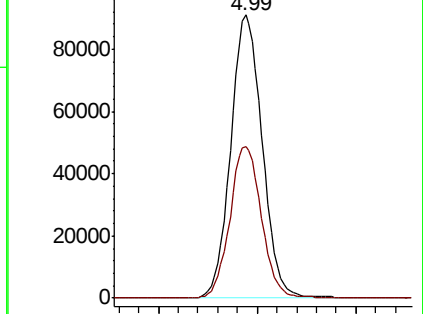
168 100

99 53.7 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#11

Tert butyl alcohol

Concen: 3.27 ug/l

RT: 2.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VU025782.D

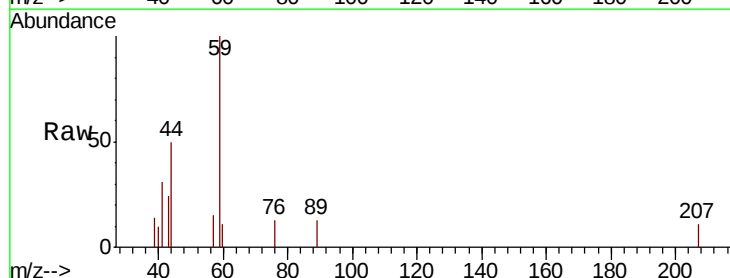
Acq: 01 Aug 2018 17:29

Tgt Ion: 59 Resp: 2258

Ion Ratio Lower Upper

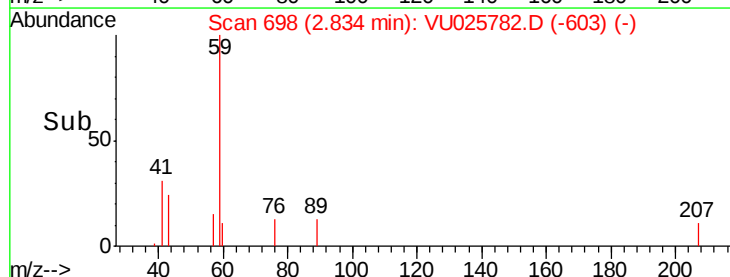
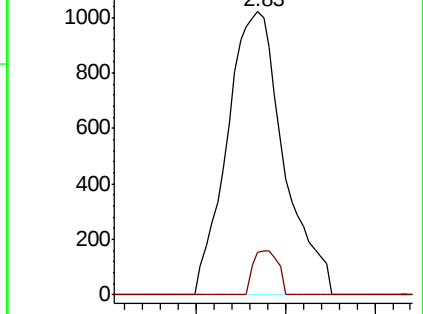
59 100

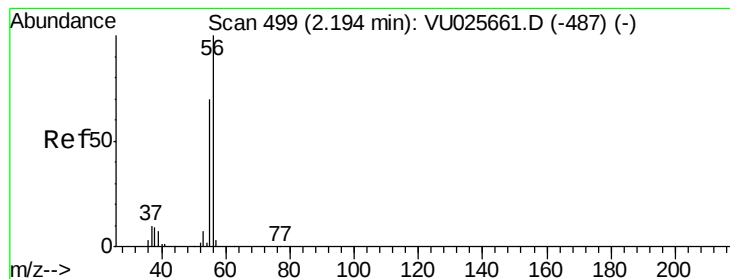
57 7.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU025661.D (-680) (-)

Ion 57.00 (56.70 to 57.70): VU025661.D (-680) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

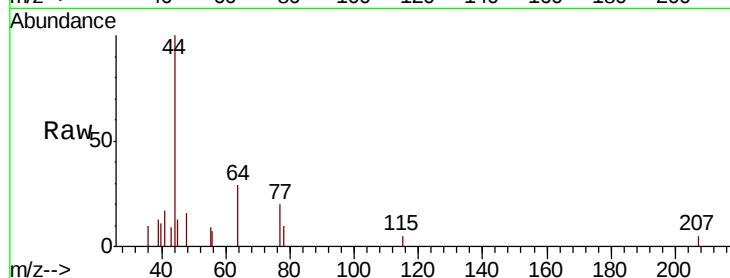
DUP-073118

Tot Ion: 56 Resp: 49

Ion Ratio Lower Upper

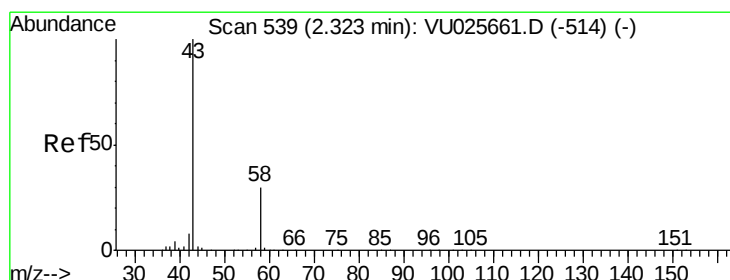
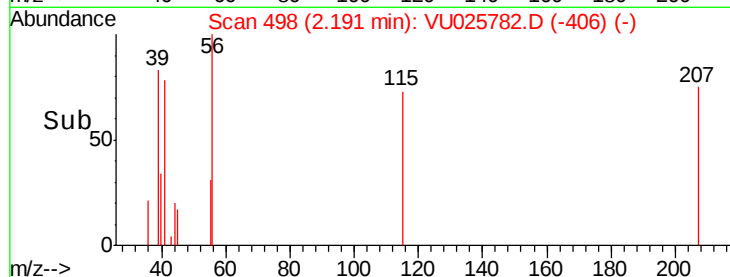
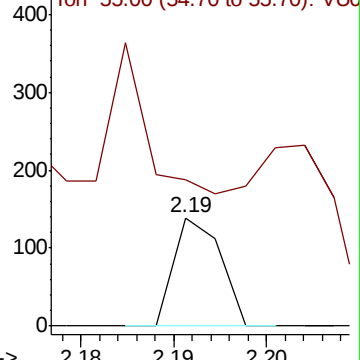
56 100

55 361.2 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 4.63 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025782.D

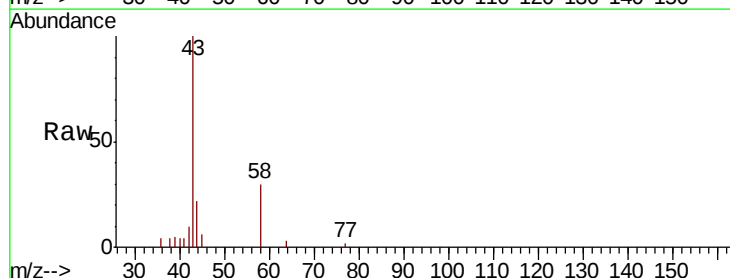
Acq: 01 Aug 2018 17:29

Tgt Ion: 43 Resp: 7122

Ion Ratio Lower Upper

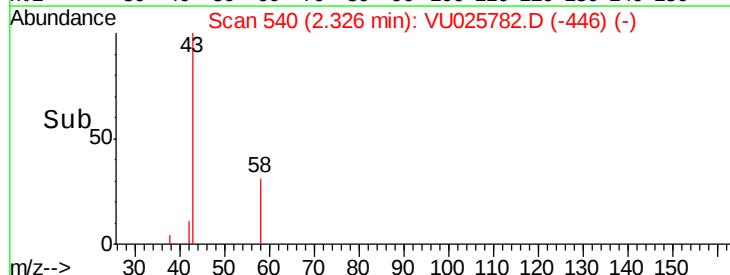
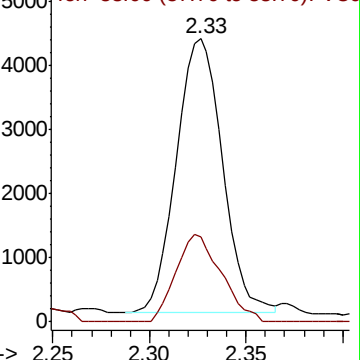
43 100

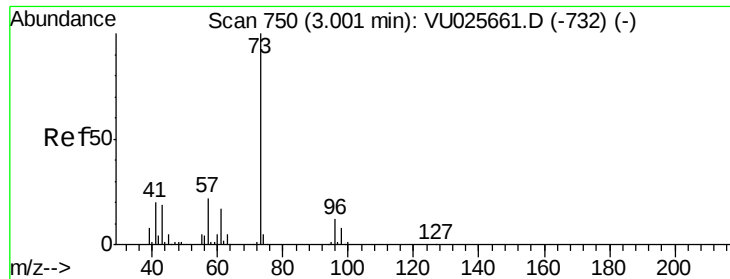
58 31.2 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

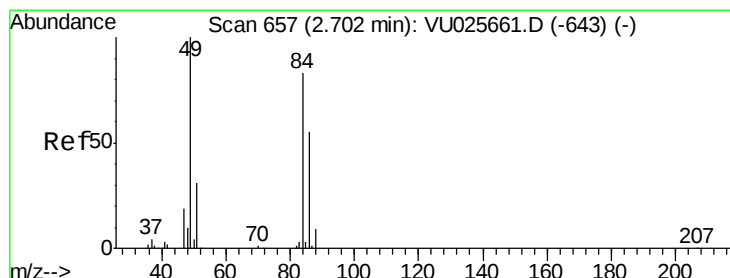
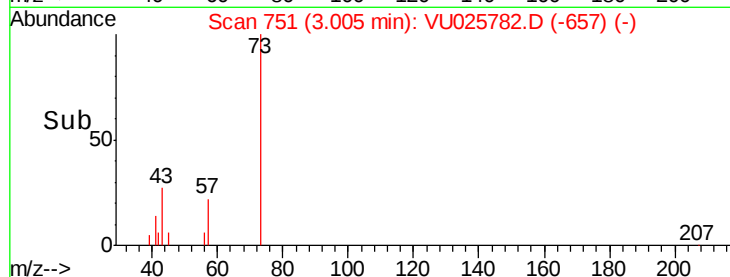
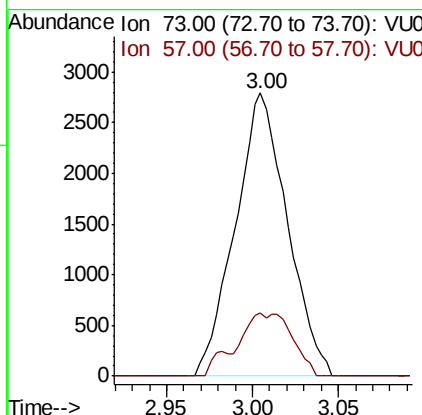
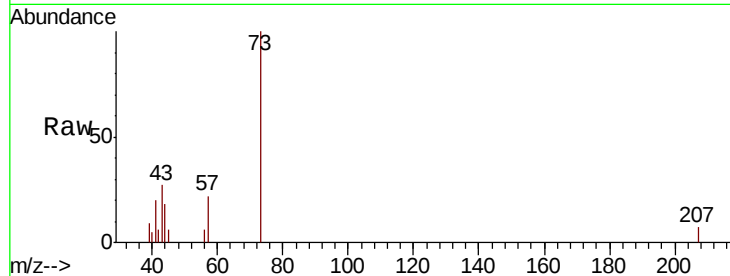




#19
Methvl tert-butvl Ether
Concen: 0.75 ug/l
RT: 3.00 min Scan# 751
Delta R.T. 0.00 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

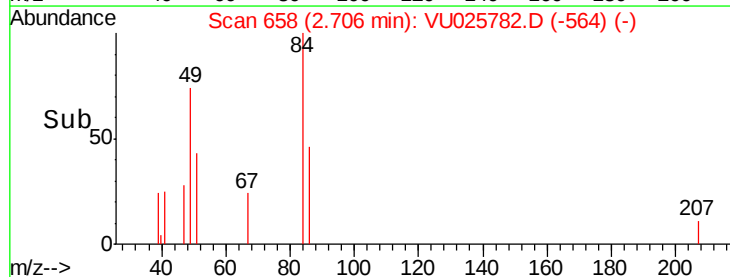
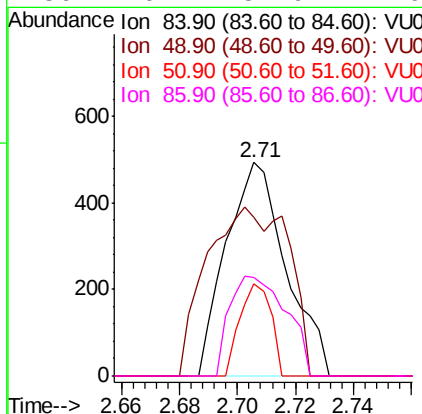
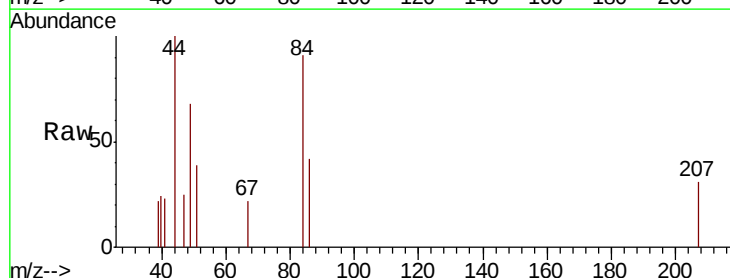
Instrument :
MSVOA_U
ClientSampleId :
DUP-073118

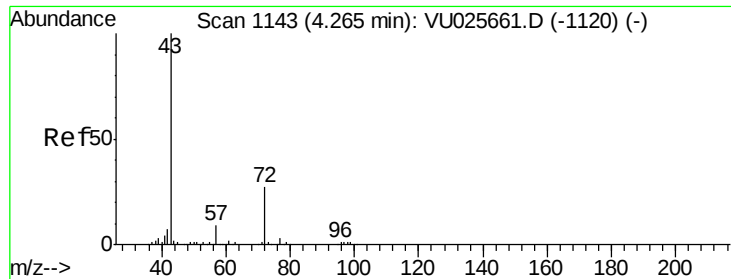
Tot Ion: 73 Resp: 5866
Ion Ratio Lower Upper
73 100
57 22.1 17.4 26.2



#20
Methylene Chloride
Concen: 0.26 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

Tgt Ion: 84 Resp: 706
Ion Ratio Lower Upper
84 100
49 74.1 101.8 152.6#
51 42.9 30.8 46.2
86 46.2 51.9 77.9#

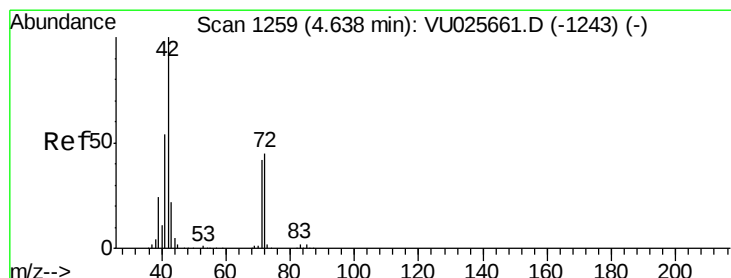
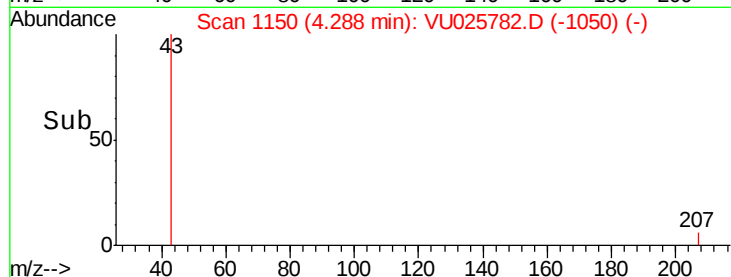
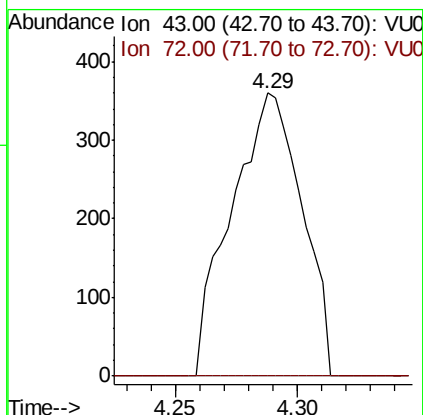
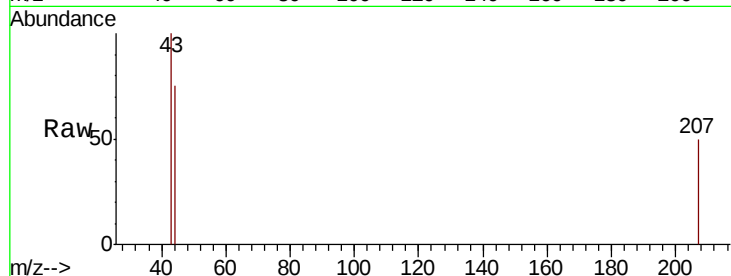




#25
2-Butanone
Concen: 0.34 ug/l
RT: 4.29 min Scan# 1150
Delta R.T. 0.02 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

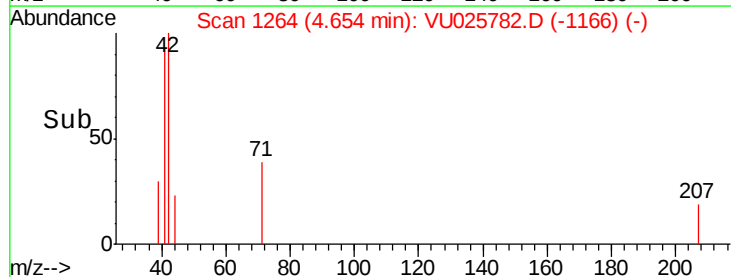
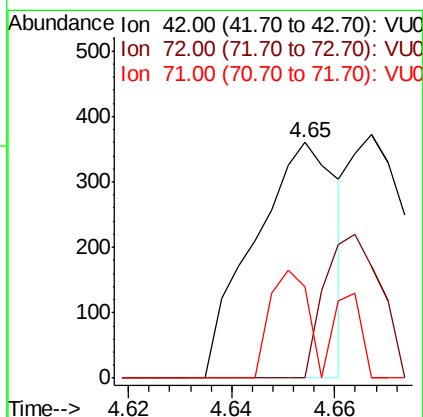
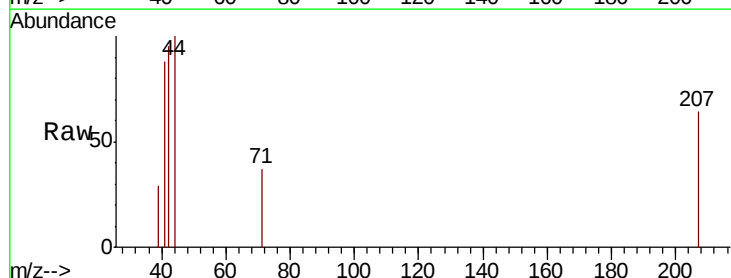
Instrument :
MSVOA_U
ClientSampleId :
DUP-073118

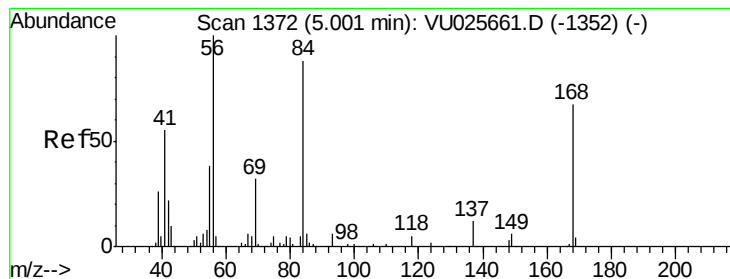
Tot Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 4.65 min Scan# 1264
Delta R.T. 0.02 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

Tgt Ion: 42 Resp: 401
Ion Ratio Lower Upper
42 100
72 0.0 36.7 55.1#
71 20.9 33.9 50.9#





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-073118

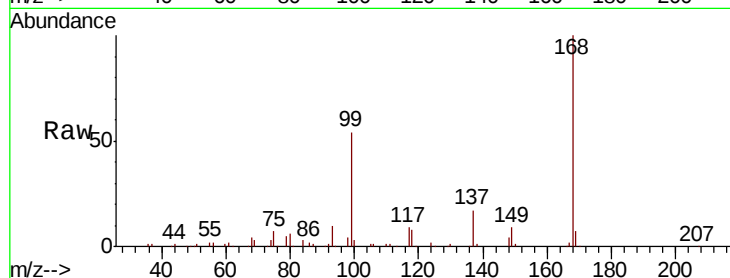
Tot Ion: 56 Resp: 4233

Ion Ratio Lower Upper

56 100

69 149.9 26.8 40.2#

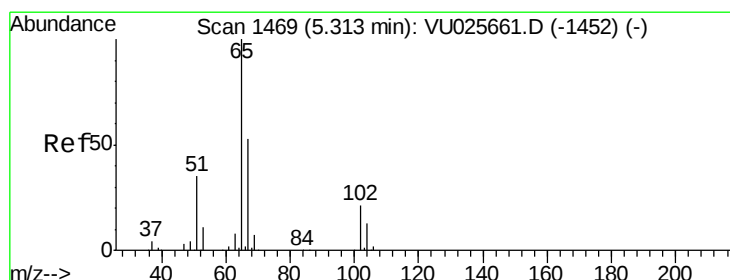
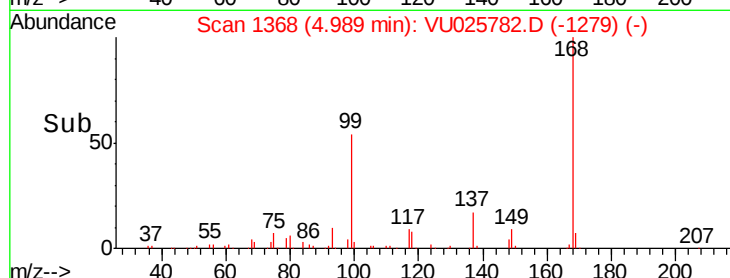
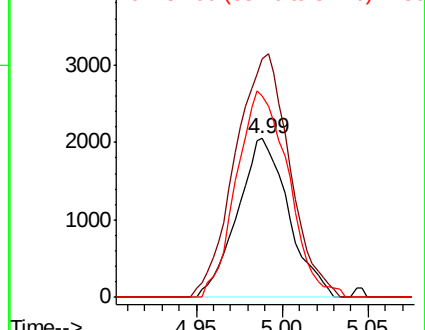
84 127.1 69.7 104.5#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 49.11 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025782.D

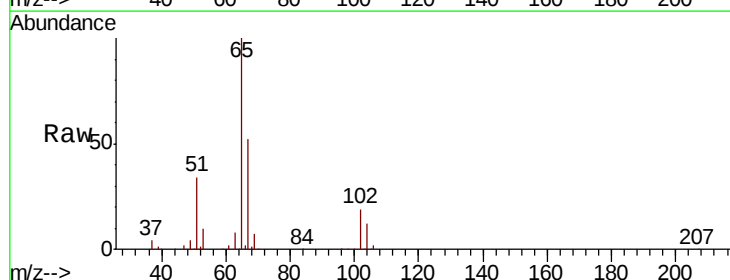
Acq: 01 Aug 2018 17:29

Tgt Ion: 65 Resp: 154829

Ion Ratio Lower Upper

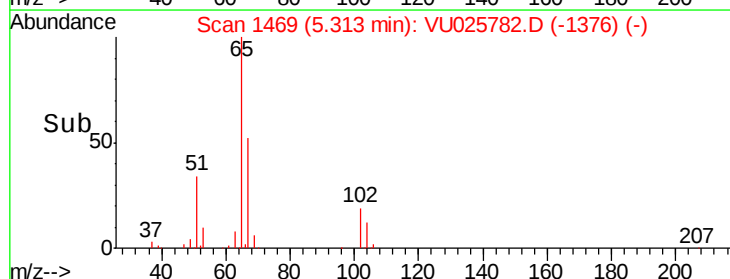
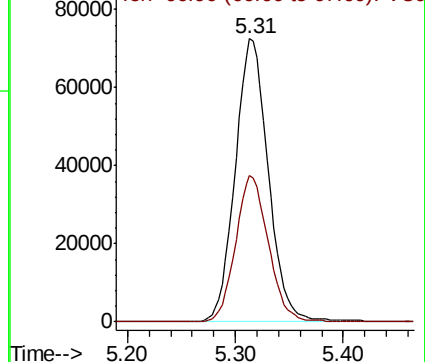
65 100

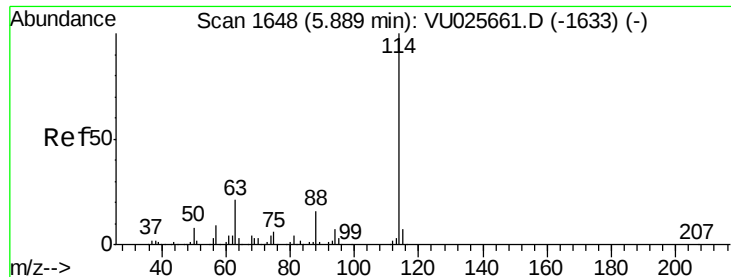
67 50.9 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-073118

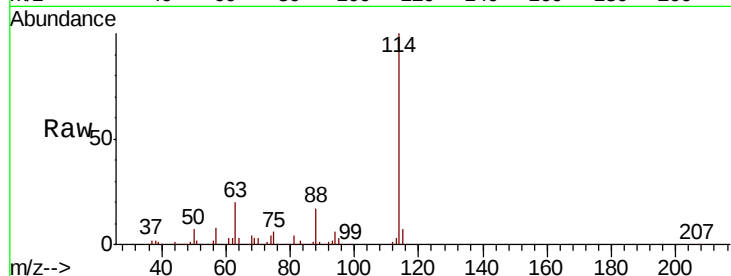
Tot Ion:114 Resp: 317247

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.6

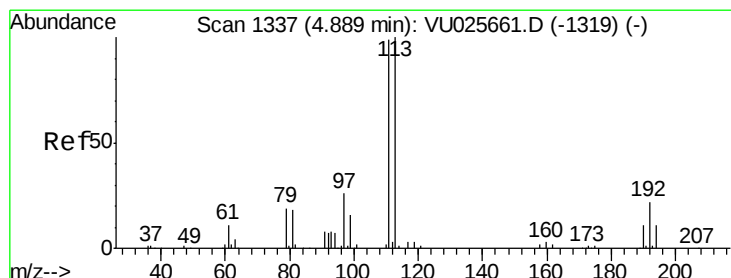
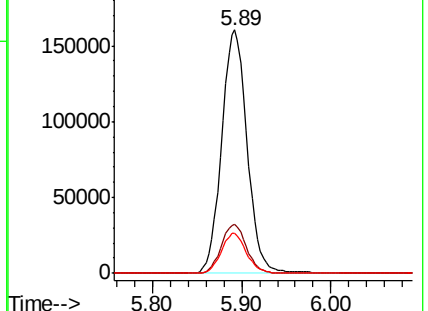
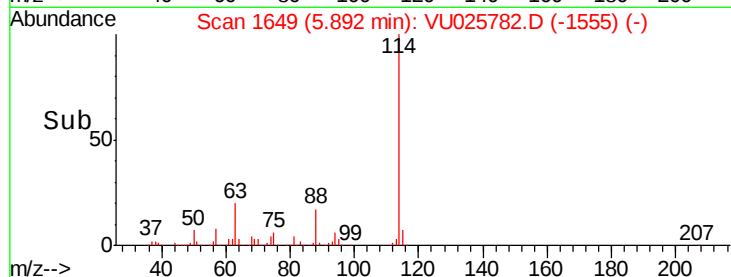
88 16.6 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 47.75 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

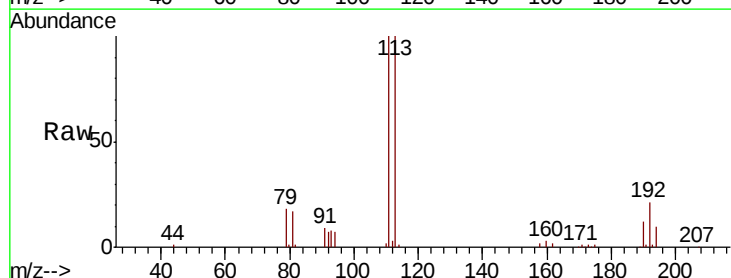
Tgt Ion:113 Resp: 131765

Ion Ratio Lower Upper

113 100

111 100.1 81.7 122.5

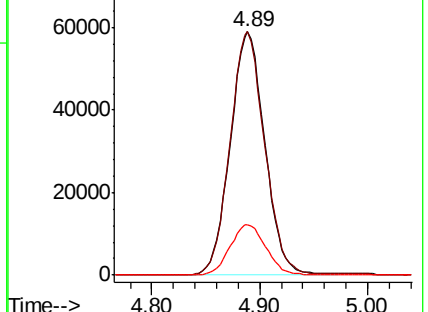
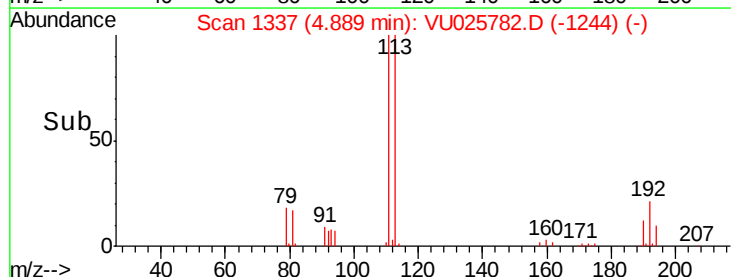
192 21.4 17.1 25.7

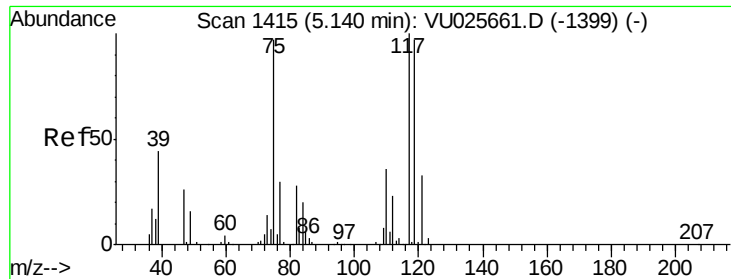


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

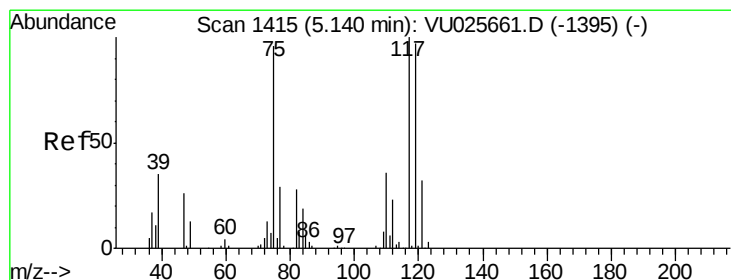
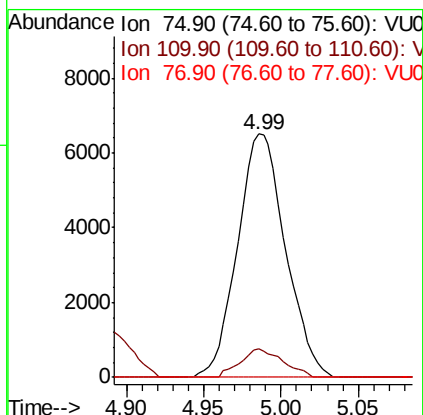
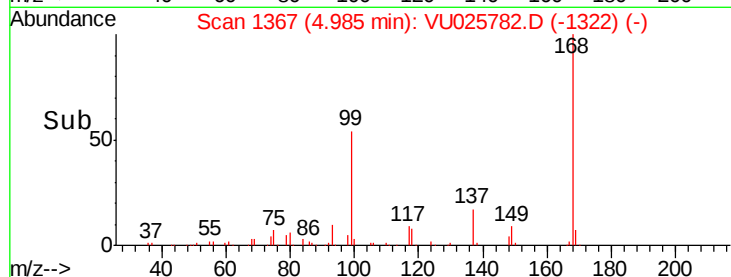
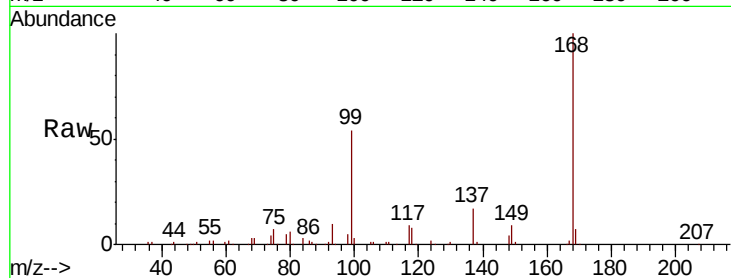




#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025782.D
 Acq: 01 Aug 2018 17:29

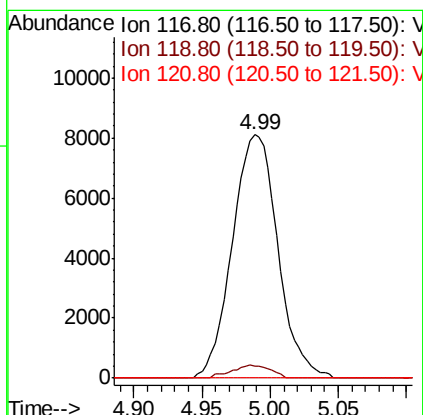
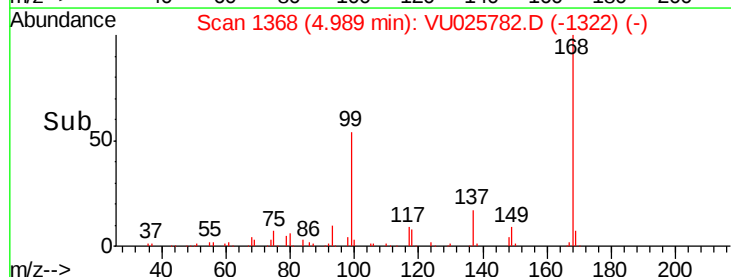
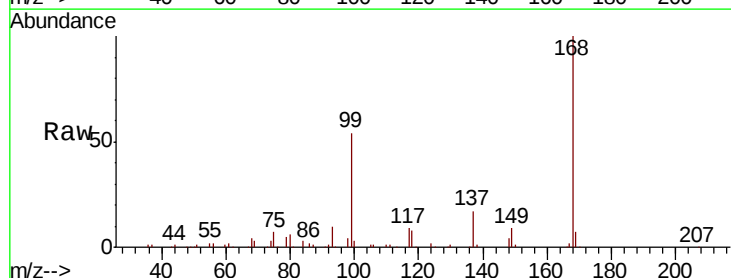
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-073118

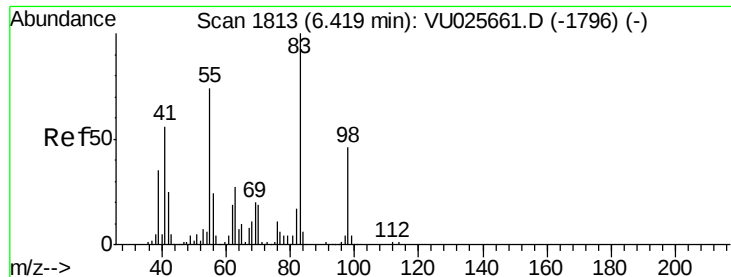
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.6	52.9#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.47 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025782.D
 Acq: 01 Aug 2018 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.7	113.5#
121	0.0	24.6	36.8#

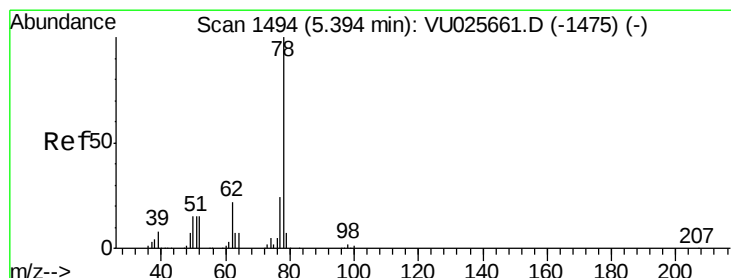
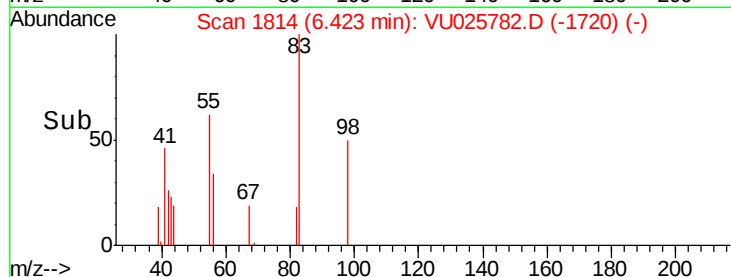
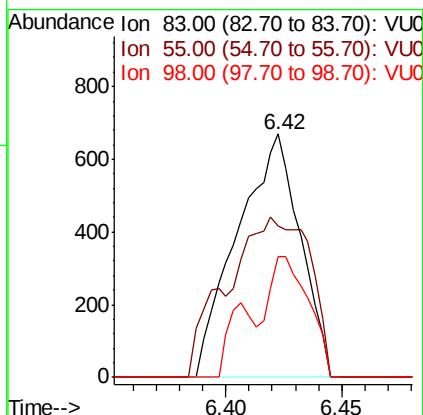
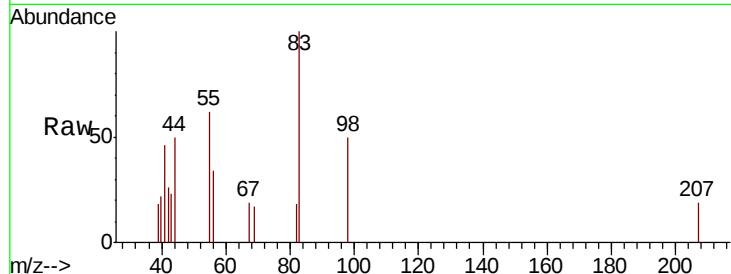




#39
Methvlcvclohexane
Concen: 0.30 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

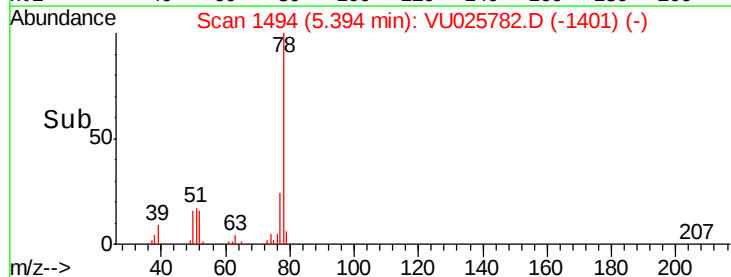
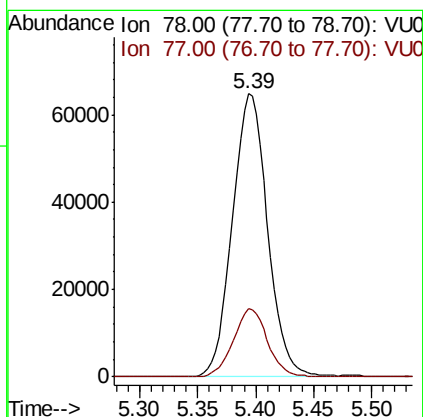
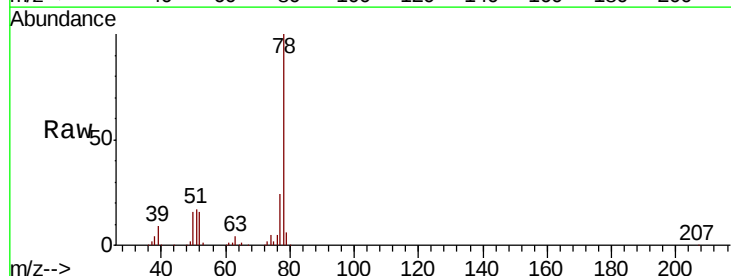
Instrument :
MSVOA_U
ClientSampleId :
DUP-073118

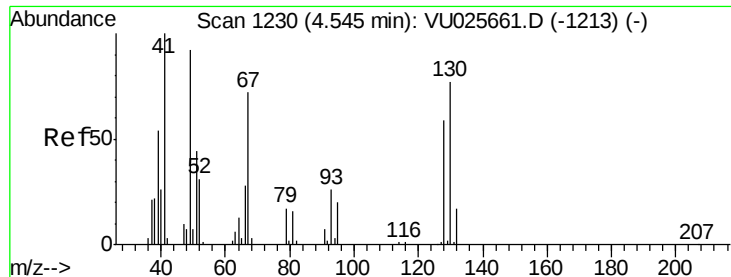
Tot Ion: 83 Resp: 1261
Ion Ratio Lower Upper
83 100
55 62.2 60.0 90.0
98 49.7 36.1 54.1



#40
Benzene
Concen: 12.57 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

Tgt Ion: 78 Resp: 136249
Ion Ratio Lower Upper
78 100
77 24.0 19.8 29.6

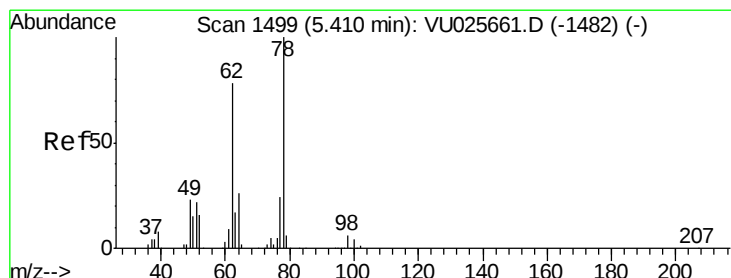
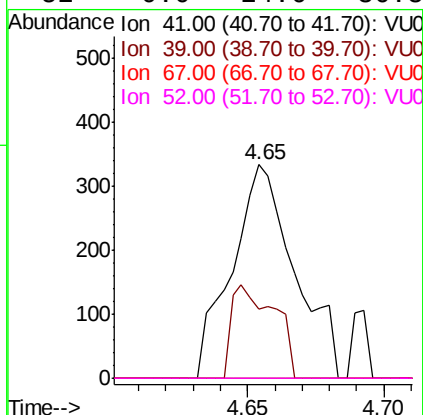
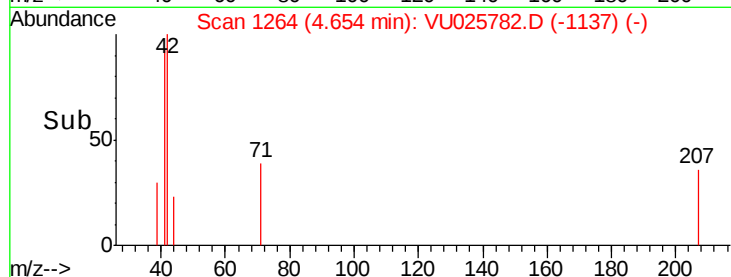
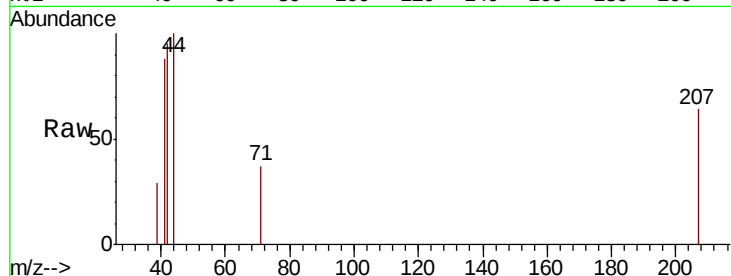




#41
Methacrylonitrile
Concen: 0.25 ug/l
RT: 4.65 min Scan# 1264
Delta R.T. 0.11 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

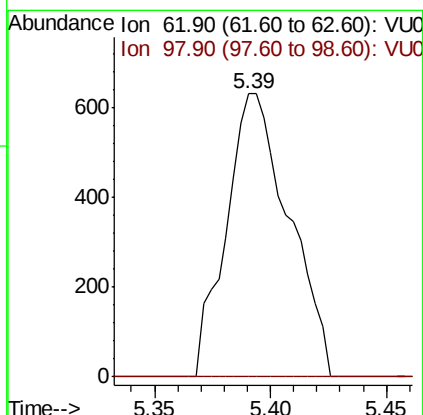
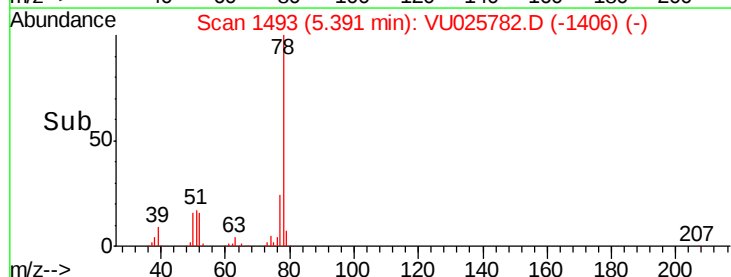
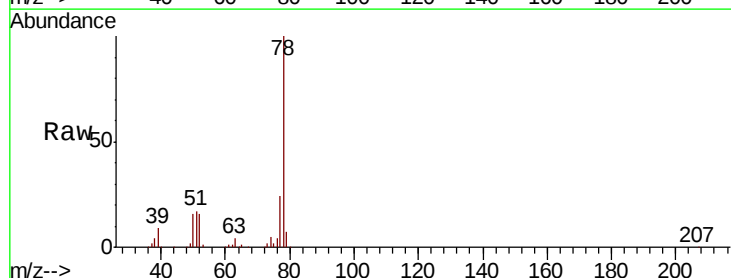
Instrument :
MSVOA_U
ClientSampleId :
DUP-073118

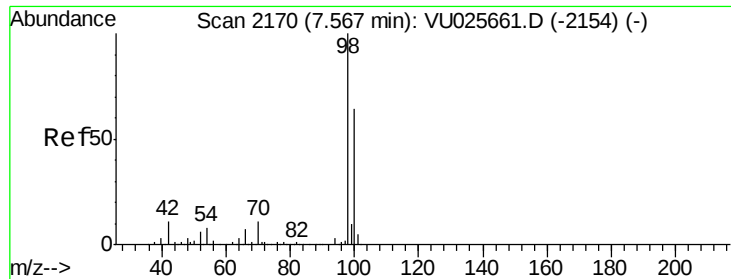
Tot Ion	Ratio	Lower	Upper
41	100		
39	29.9	44.4	66.6#
67	0.0	56.0	84.0#
52	0.0	24.6	36.8#



#42
1,2-Dichloroethane
Concen: 0.29 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. -0.02 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	16.4

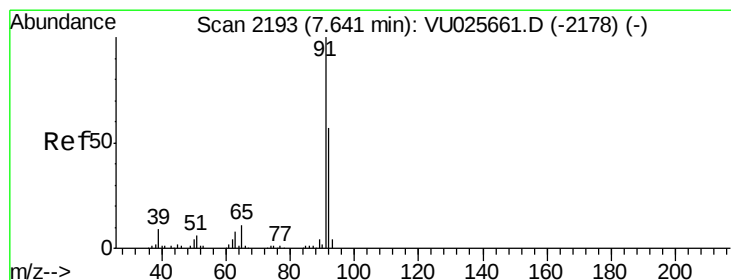
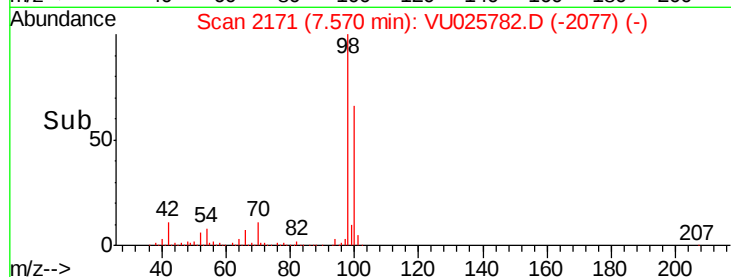
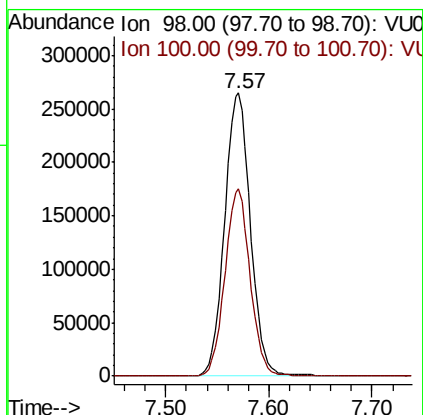
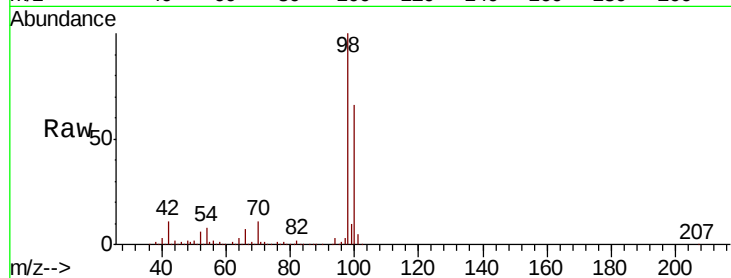




#50
Toluene-d8
Concen: 47.85 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

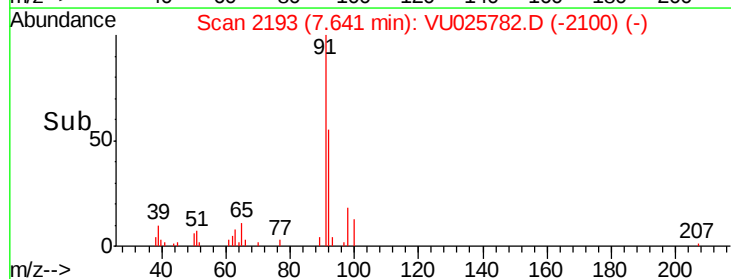
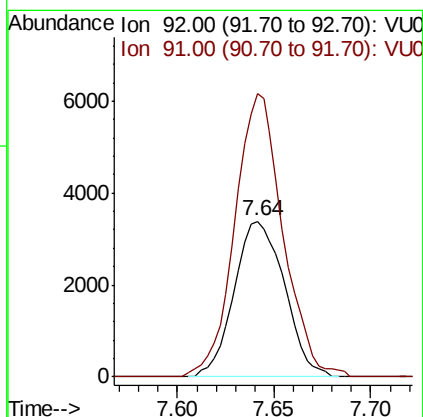
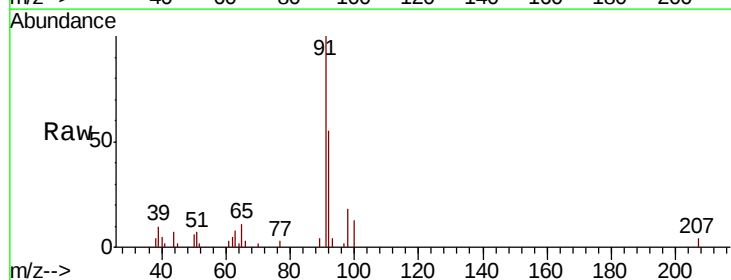
Instrument :
MSVOA_U
ClientSampleId :
DUP-073118

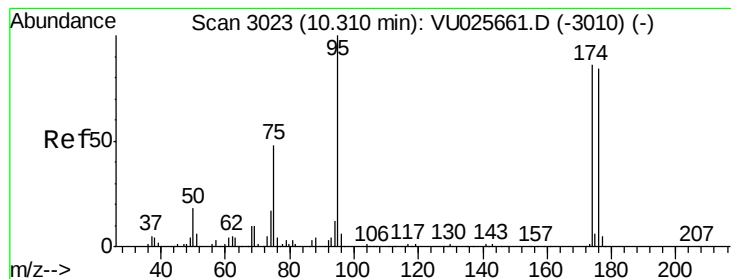
Tot Ion: 98 Resp: 462038
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7



#52
Toluene
Concen: 0.91 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

Tgt Ion: 92 Resp: 6101
Ion Ratio Lower Upper
92 100
91 174.6 139.2 208.8





#62

4-Bromofluorobenzene

Concen: 50.08 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-073118

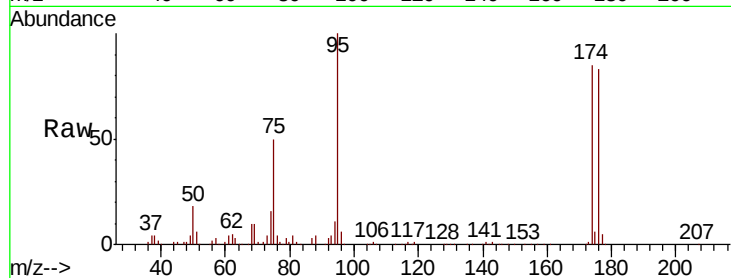
Tot Ion: 95 Resp: 187695

Ion Ratio Lower Upper

95 100

174 86.5 0.0 172.2

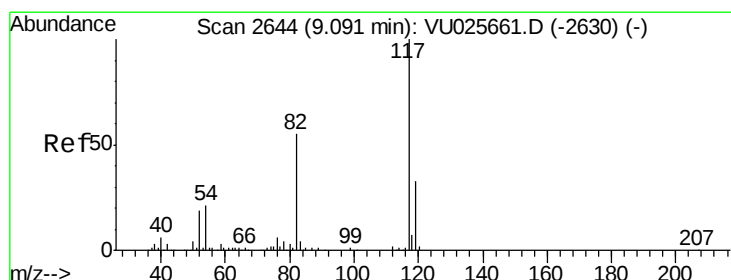
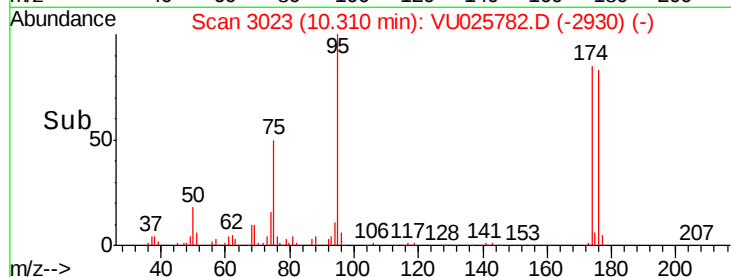
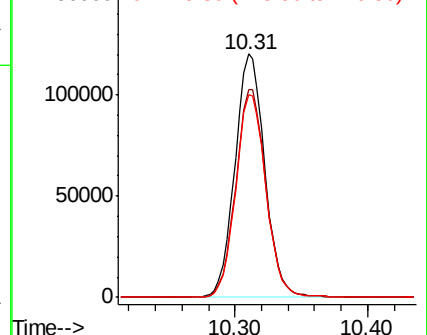
176 84.2 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

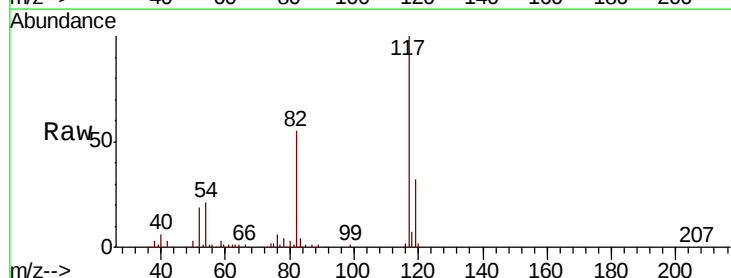
Tgt Ion: 117 Resp: 312633

Ion Ratio Lower Upper

117 100

82 55.2 46.0 69.0

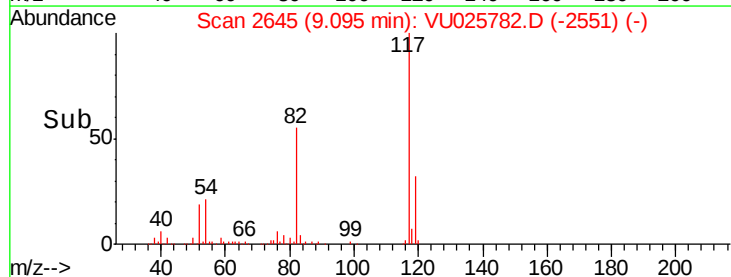
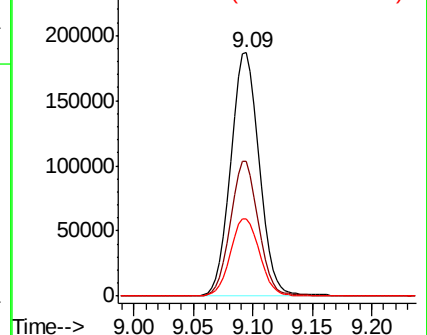
119 31.7 26.0 39.0

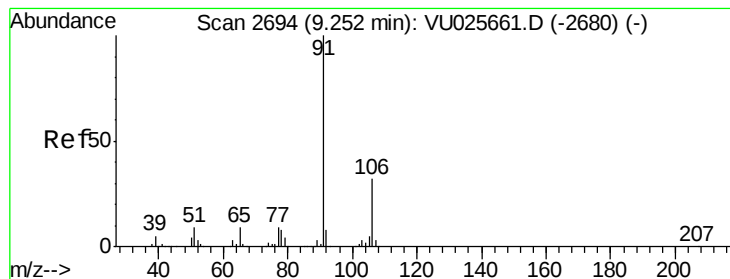


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 3.67 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

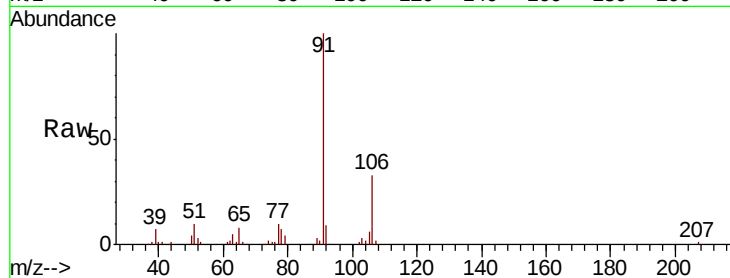
DUP-073118

Tot Ion: 91 Resp: 49021

Ion Ratio Lower Upper

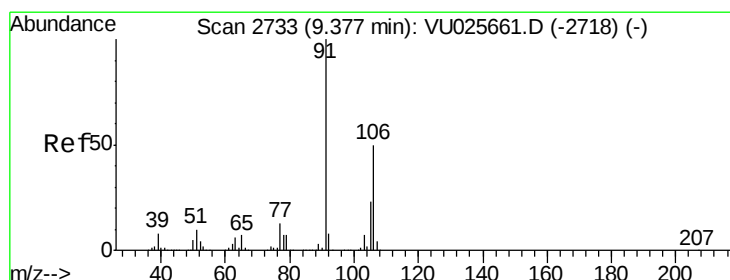
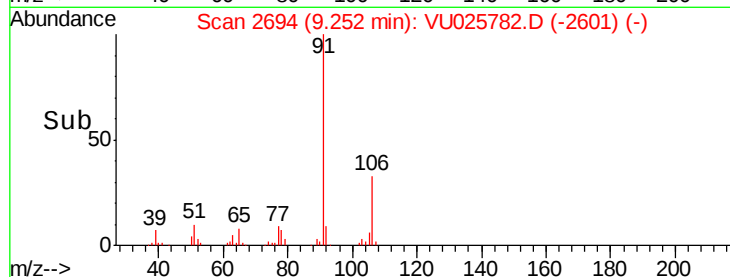
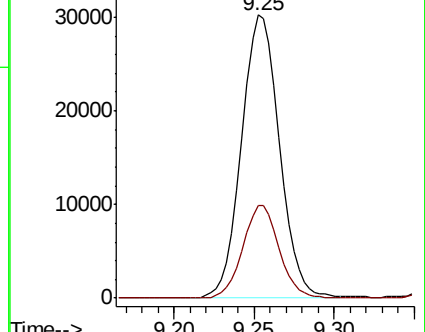
91 100

106 32.7 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-2680) (-)

Ion 106.00 (105.70 to 106.70): VU025661.D (-2680) (-)



#68

m/p-Xylenes

Concen: 3.43 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025782.D

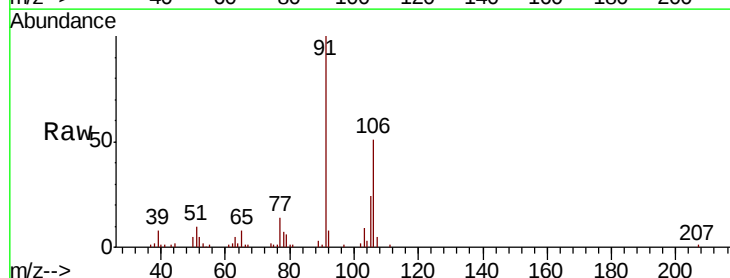
Acq: 01 Aug 2018 17:29

Tgt Ion: 106 Resp: 17575

Ion Ratio Lower Upper

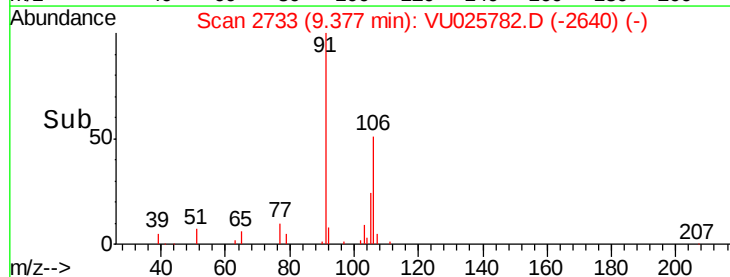
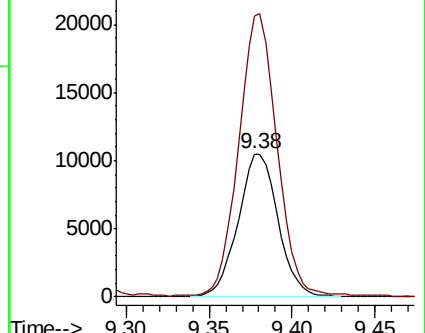
106 100

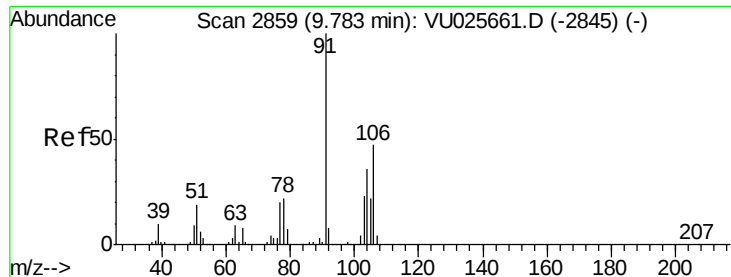
91 192.0 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): VU025661.D (-2718) (-)

Ion 91.00 (90.70 to 91.70): VU025661.D (-2718) (-)

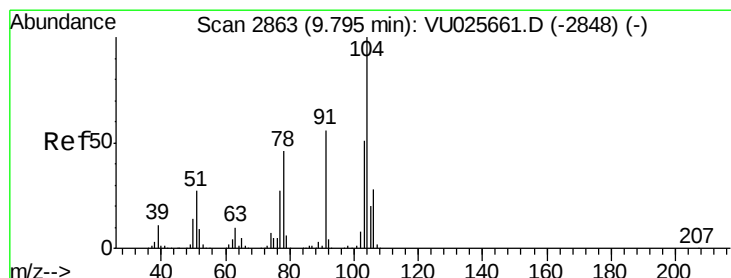
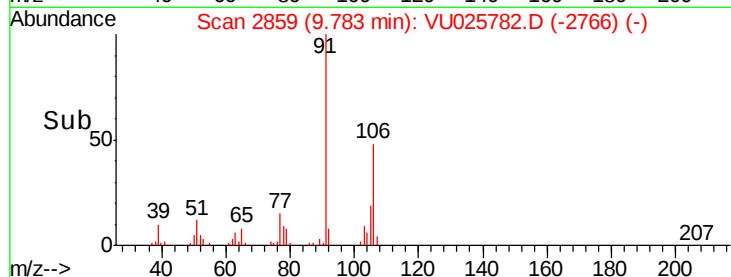
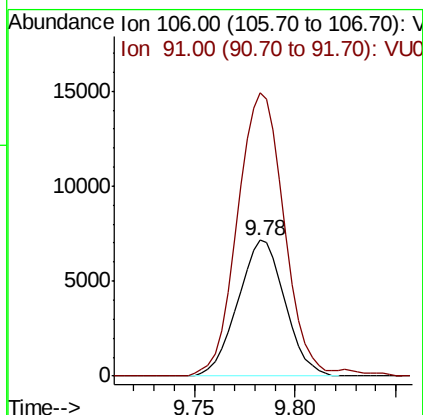
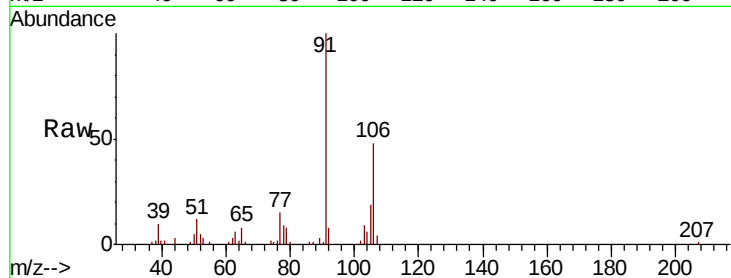




#69
o-Xylene
Concen: 2.33 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

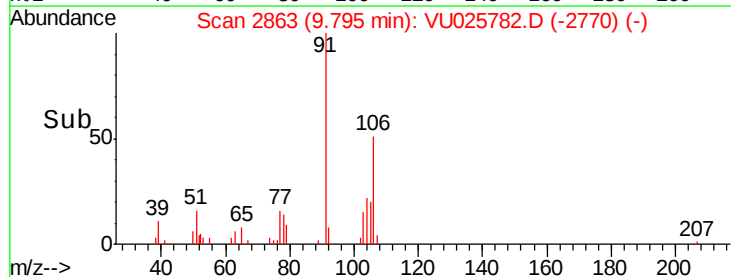
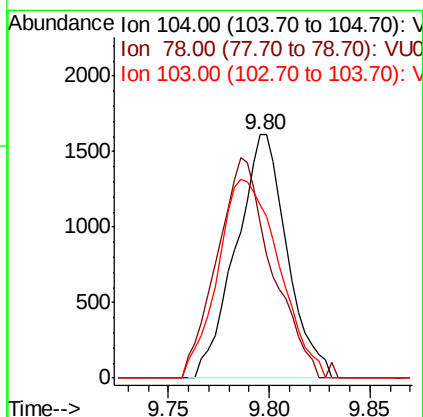
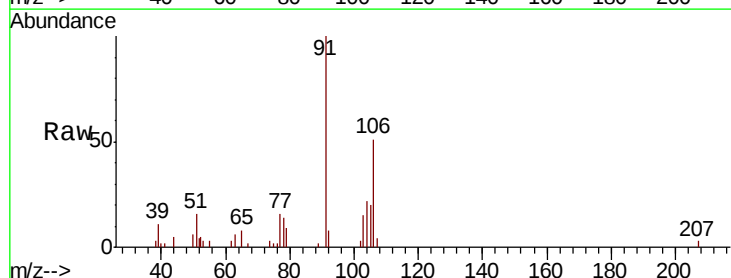
Instrument :
MSVOA_U
ClientSampleId :
DUP-073118

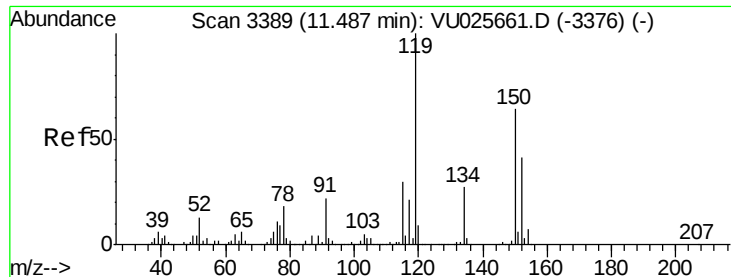
Tot Ion:106 Resp: 11650
Ion Ratio Lower Upper
106 100
91 206.2 105.3 315.8



#70
Styrene
Concen: 0.35 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

Tgt Ion:104 Resp: 2852
Ion Ratio Lower Upper
104 100
78 96.0 41.6 62.4#
103 97.7 44.6 66.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-073118

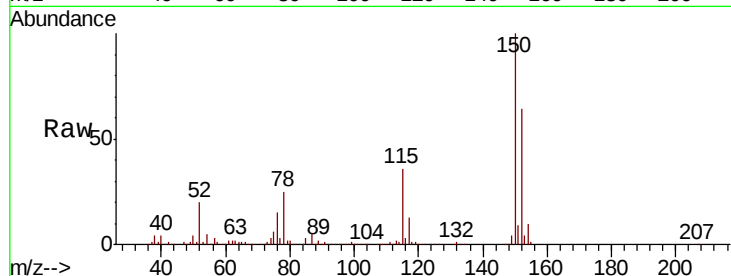
Tot Ion:152 Resp: 198503

Ion Ratio Lower Upper

152 100

115 56.3 40.1 120.3

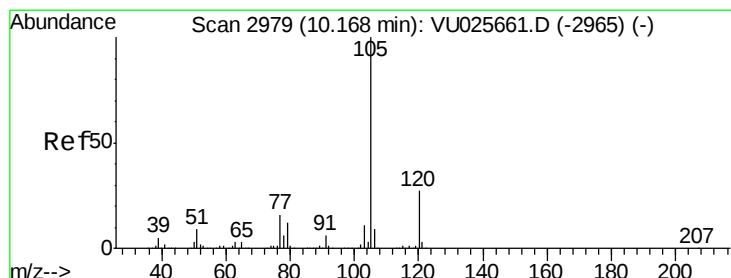
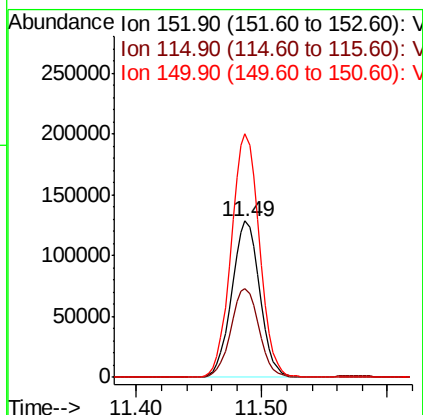
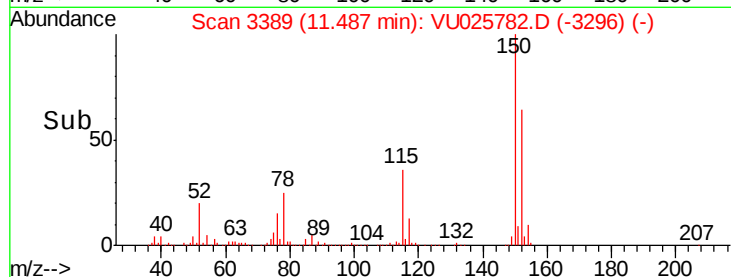
150 157.0 0.0 351.4



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: 7.28 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025782.D

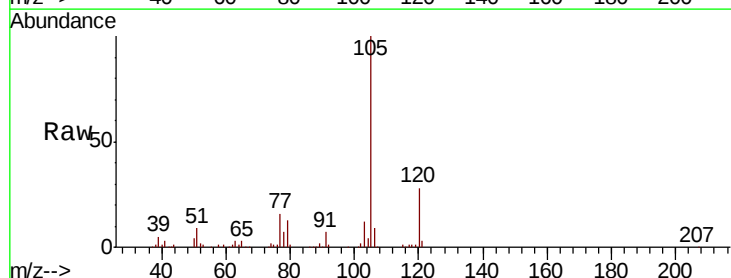
Acq: 01 Aug 2018 17:29

Tgt Ion:105 Resp: 98662

Ion Ratio Lower Upper

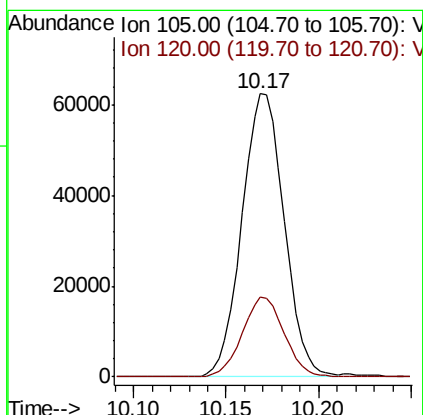
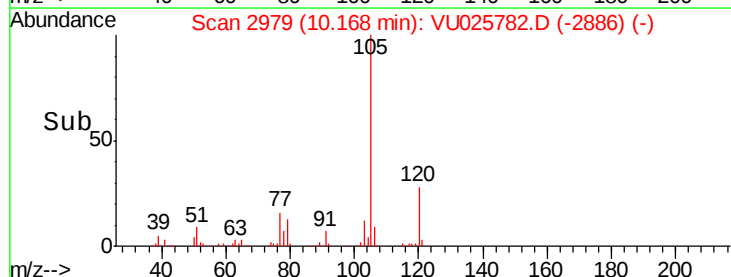
105 100

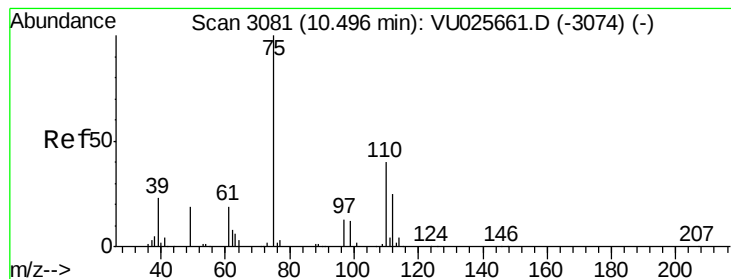
120 28.0 13.5 40.5



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: 21.45 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

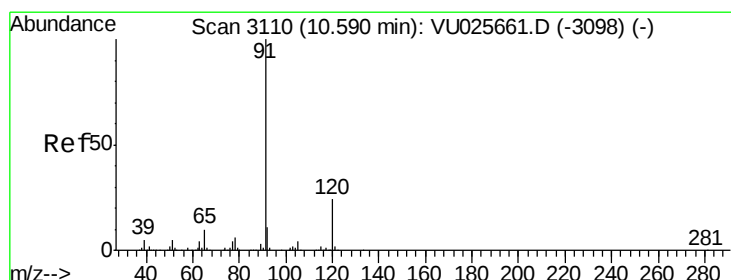
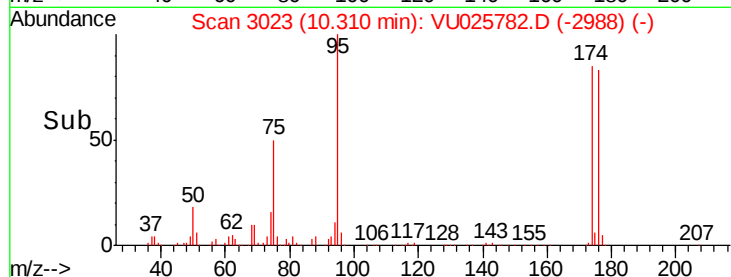
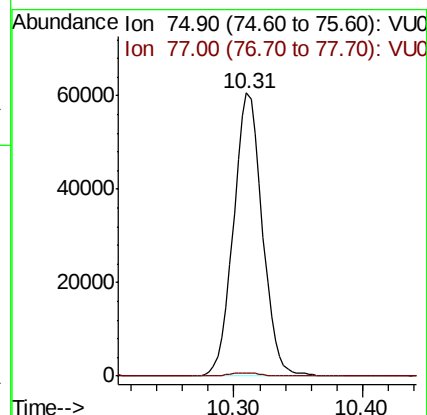
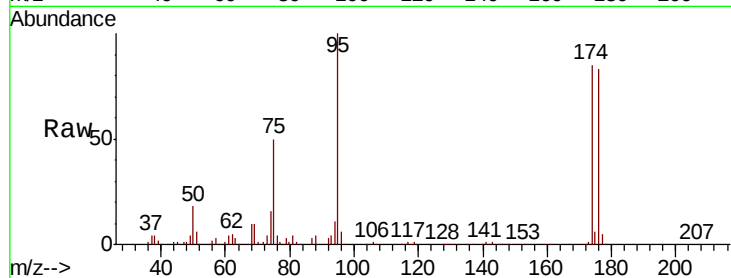
DUP-073118

Tot Ion: 75 Resp: 93828

Ion Ratio Lower Upper

75 100

77 1.3 20.4 61.3#



#78

n-propylbenzene

Concen: 2.05 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025782.D

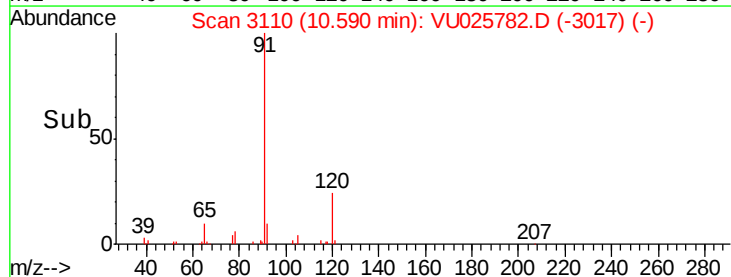
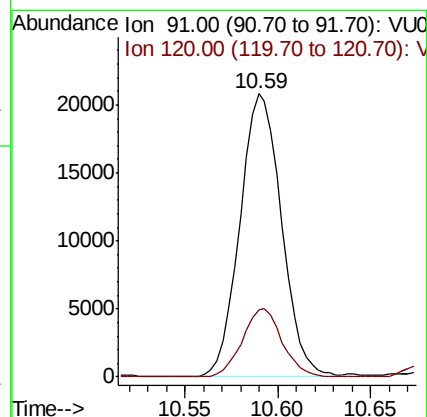
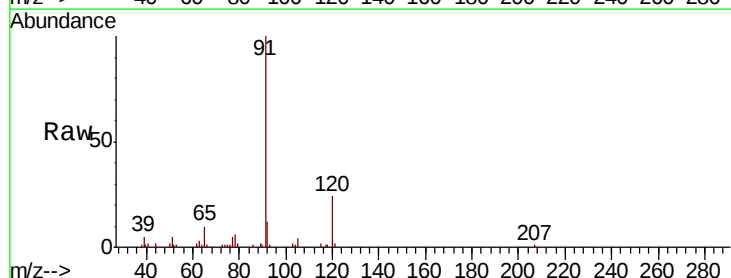
Acq: 01 Aug 2018 17:29

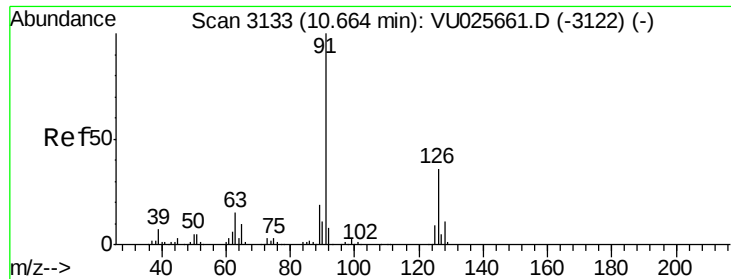
Tgt Ion: 91 Resp: 32437

Ion Ratio Lower Upper

91 100

120 22.9 11.8 35.3





#79

2-Chlorotoluene

Concen: 0.37 ug/l

RT: 10.71 min Scan# 3148

Delta R.T. 0.05 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

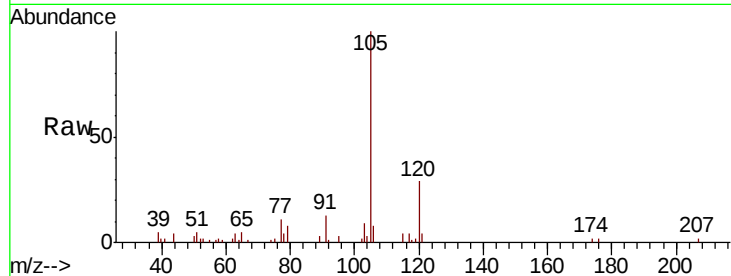
DUP-073118

Tot Ion: 91 Resp: 3415

Ion Ratio Lower Upper

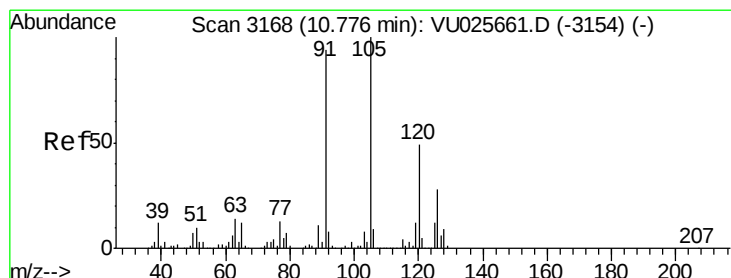
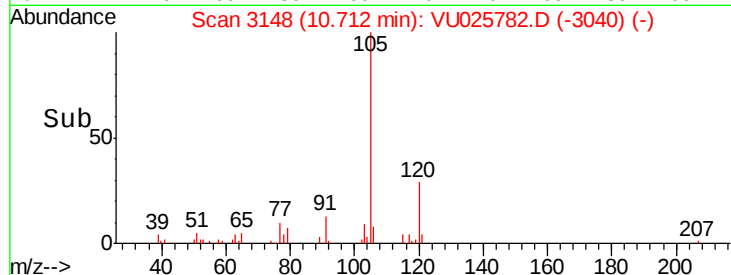
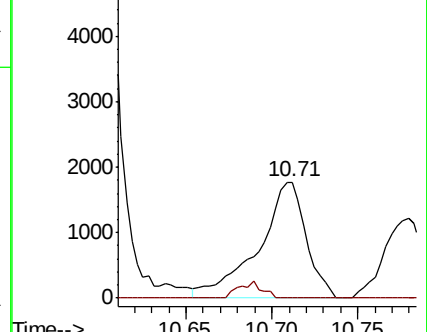
91 100

126 0.0 17.5 52.6#



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025661.D (-3122) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.28 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025782.D

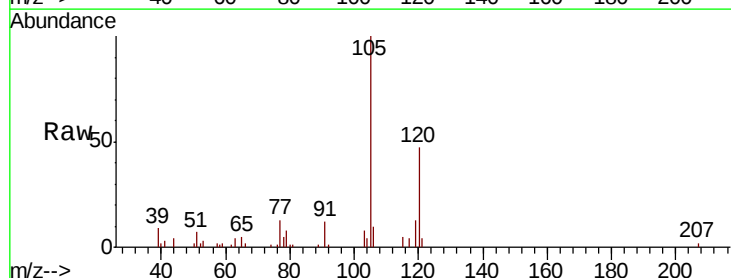
Acq: 01 Aug 2018 17:29

Tgt Ion: 105 Resp: 14678

Ion Ratio Lower Upper

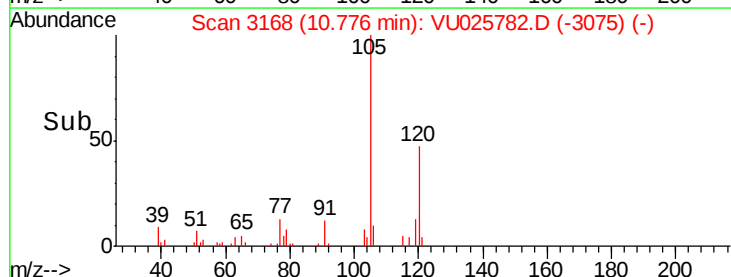
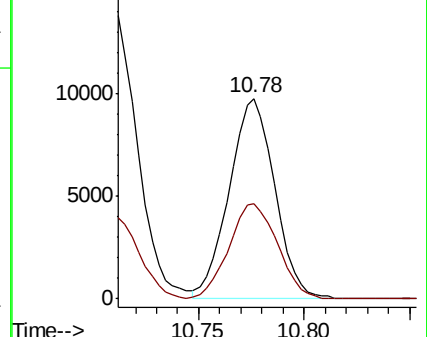
105 100

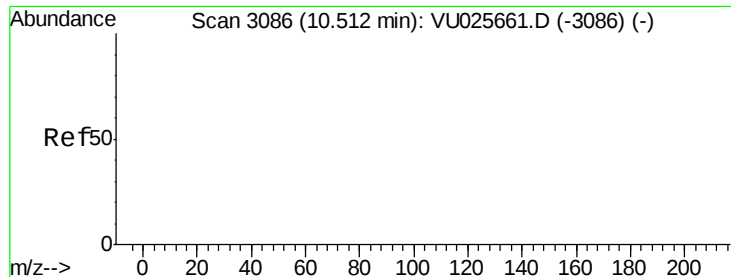
120 50.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025661.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025661.D (-3154) (-)

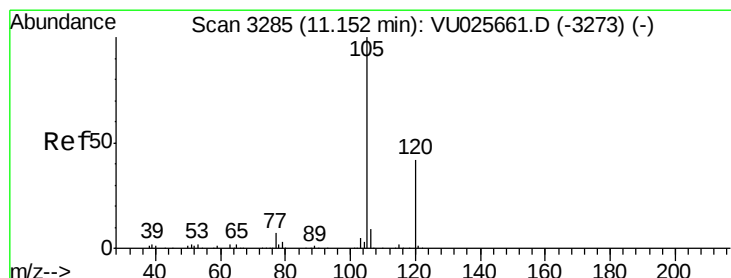
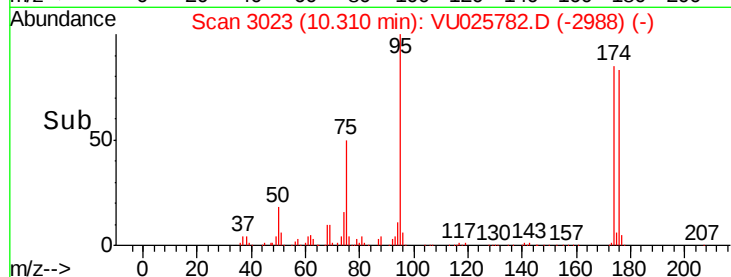
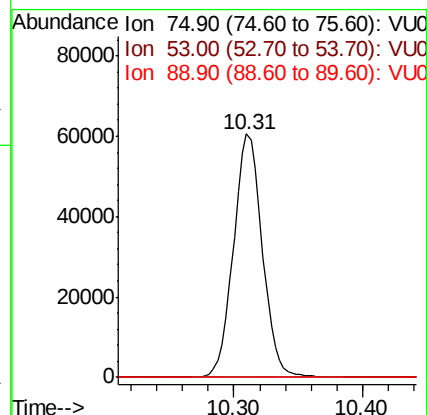
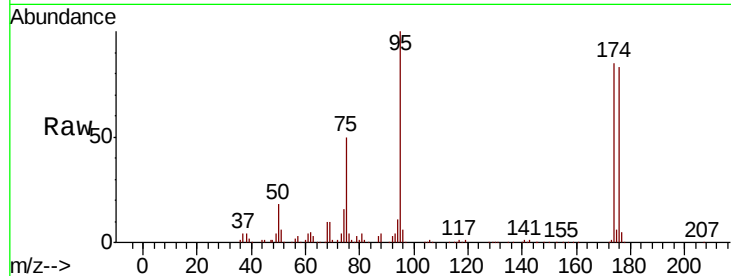




#81
trans-1,4-Dichloro-2-butene
Concen: 53.79 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.19 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

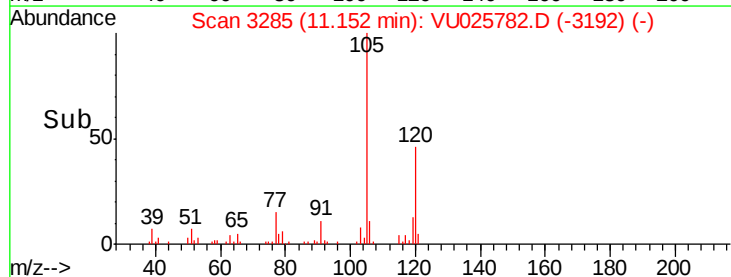
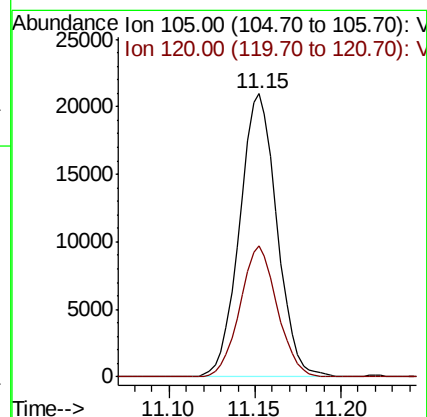
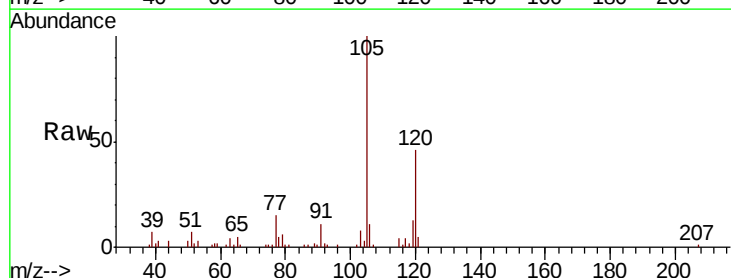
Instrument :
MSVOA_U
ClientSampleId :
DUP-073118

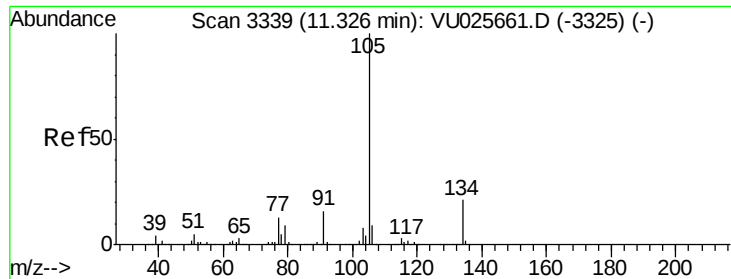
Tot Ion: 75 Resp: 93828
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#84
1,2,4-Trimethylbenzene
Concen: 2.72 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025782.D
Acq: 01 Aug 2018 17:29

Tgt Ion:105 Resp: 31675
Ion Ratio Lower Upper
105 100
120 45.9 22.3 66.8

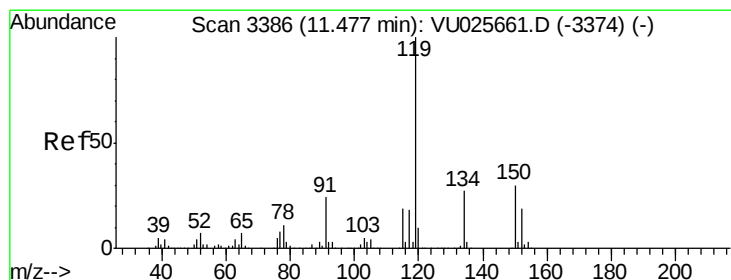
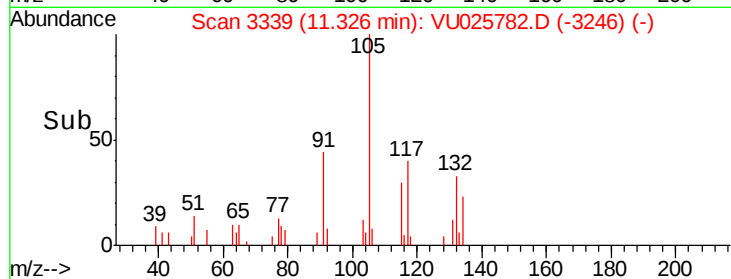
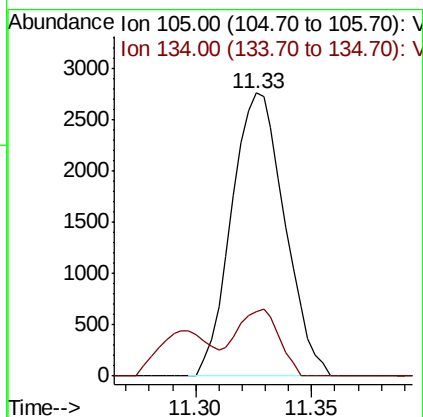
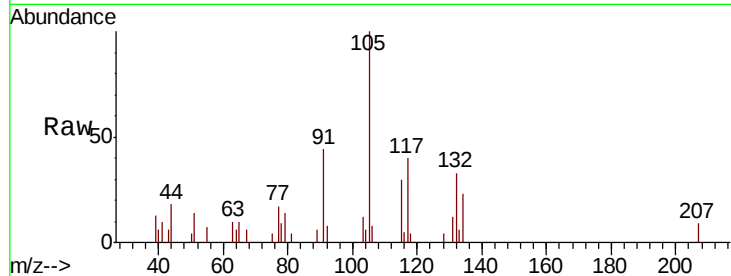




#85
 sec-Butylbenzene
 Concen: 0.31 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025782.D
 Acq: 01 Aug 2018 17:29

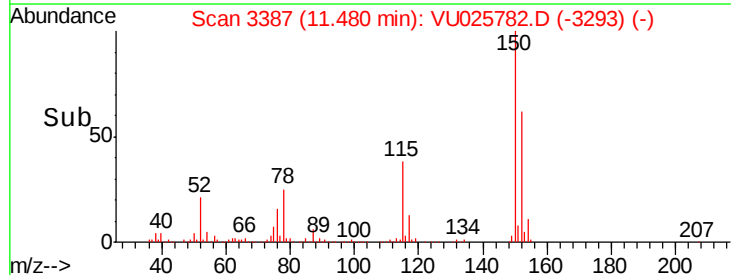
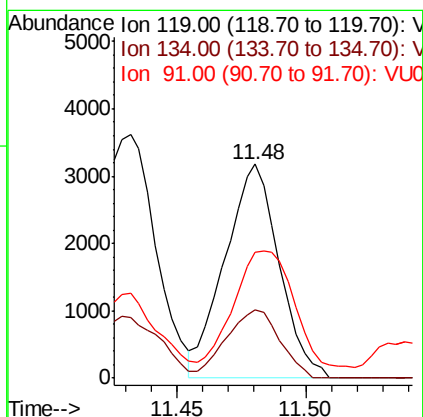
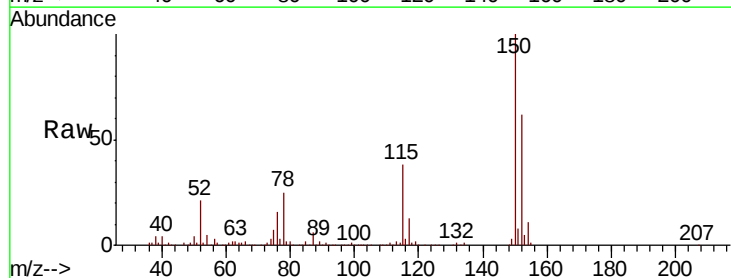
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-073118

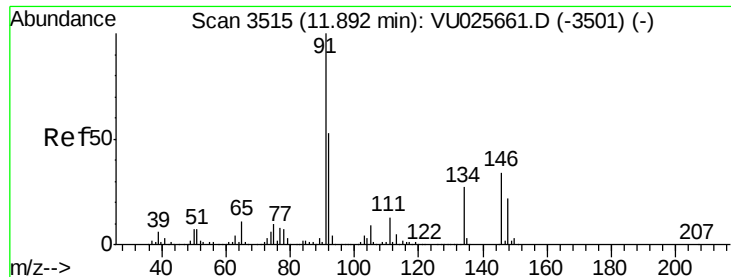
Tot Ion:105 Resp: 4382
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 0.37 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025782.D
 Acq: 01 Aug 2018 17:29

Tgt Ion:119 Resp: 4651
 Ion Ratio Lower Upper
 119 100
 134 31.3 13.2 39.5
 91 0.0 12.0 36.1#





#89

n-Butylbenzene

Concen: 28.14 ug/l

RT: 11.77 min Scan# 3477

Delta R.T. -0.12 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-073118

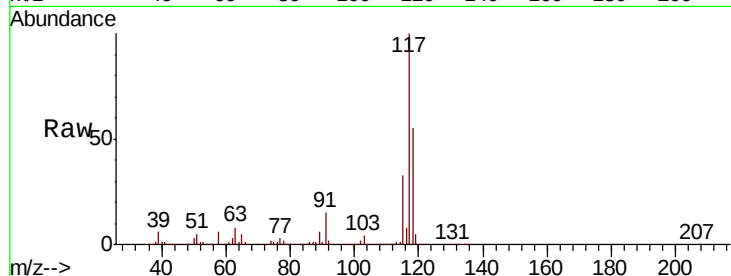
Tot Ion: 91 Resp: 324594

Ion Ratio Lower Upper

91 100

92 9.8 26.5 79.5#

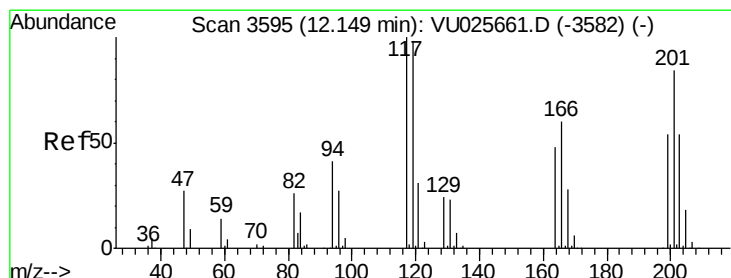
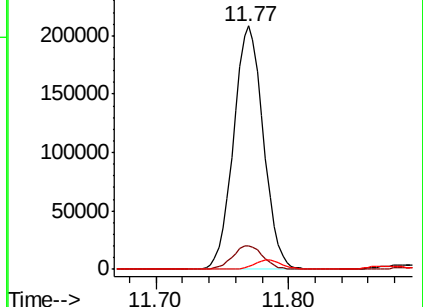
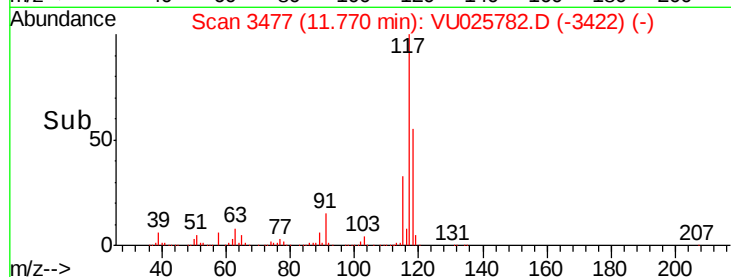
134 3.7 13.6 40.7#



Abundance Ion 91.00 (90.70 to 91.70): VU025782.D (-3477) (-)

Ion 92.00 (91.70 to 92.70): VU025782.D (-3477) (-)

Ion 134.00 (133.70 to 134.70): VU025782.D (-3477) (-)



#90

Hexachloroethane

Concen: 2.11 ug/l

RT: 12.17 min Scan# 3601

Delta R.T. 0.02 min

Lab File: VU025782.D

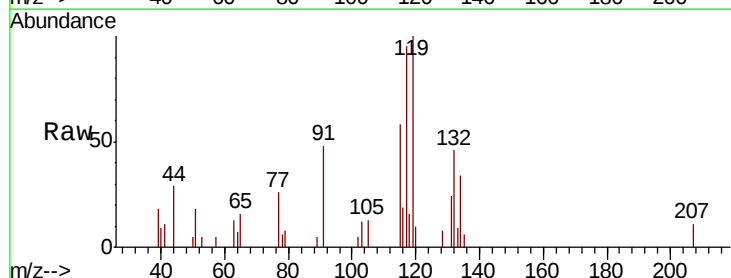
Acq: 01 Aug 2018 17:29

Tgt Ion: 117 Resp: 4698

Ion Ratio Lower Upper

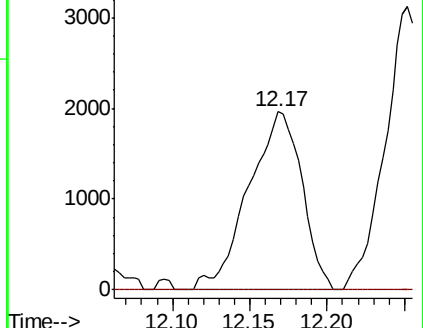
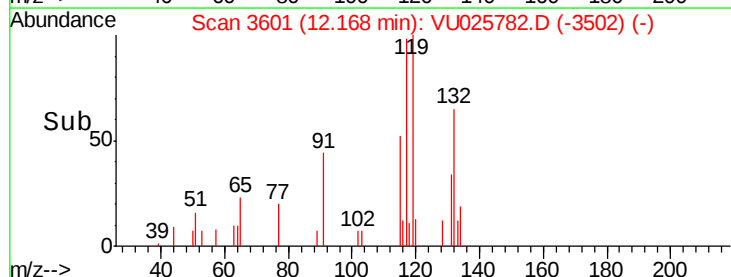
117 100

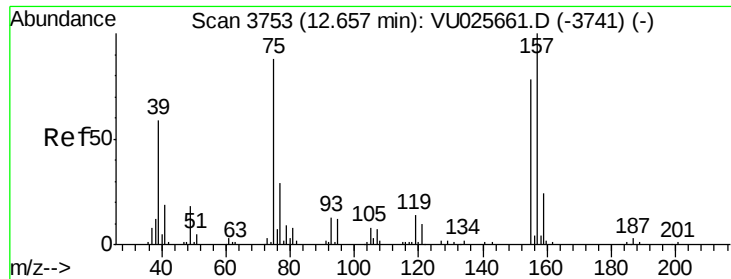
201 0.0 42.5 127.6#



Abundance Ion 116.80 (116.50 to 117.50): VU025782.D (-3601) (-)

Ion 200.70 (200.40 to 201.40): VU025782.D (-3601) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.23 ug/l

RT: 12.65 min Scan# 3751

Delta R.T. -0.01 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-073118

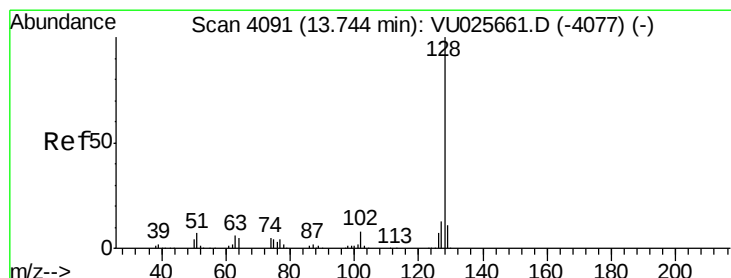
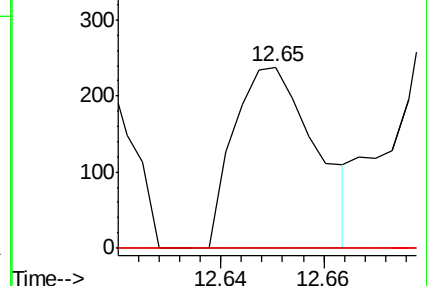
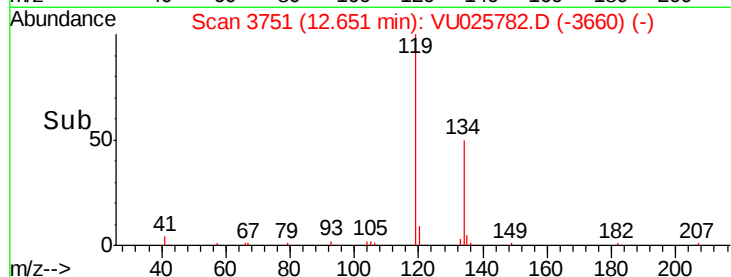
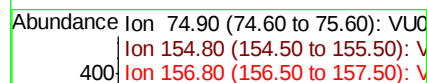
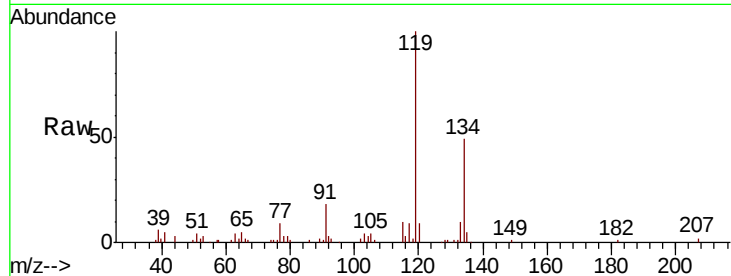
Tot Ion: 75 Resp: 261

Ion Ratio Lower Upper

75 100

155 0.0 44.5 133.3#

157 0.0 57.0 170.8#



#95

Naphthalene

Concen: 297.44 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025782.D

Acq: 01 Aug 2018 17:29

Tgt Ion:128 Resp: 4477789

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 11.0 8.3 12.5

