

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024578.D
 Acq On : 15 Jun 2018 06:45
 Operator : MD/SY
 Sample : J3478-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

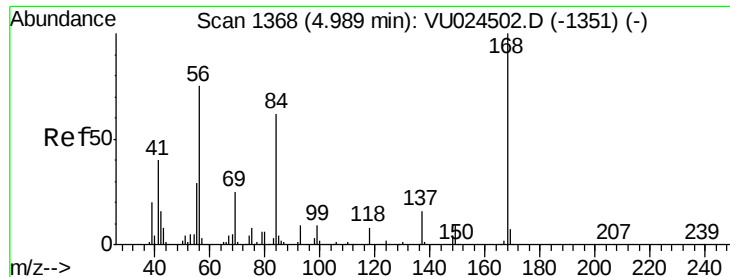
Quant Time: Jun 15 08:25:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	191016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	307495	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	294697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	169301	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	132921	42.63	ug/l	0.00
Spiked Amount			Recovery	=	85.26%	
35) Dibromofluoromethane	4.89	113	119598	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
50) Toluene-d8	7.57	98	450614	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	10.31	95	170972	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	3599	1.429	ug/l #	85
6) Chloroethane	1.86	64	322	Below Cal	#	43
13) Acrolein	2.19	56	279	0.701	ug/l #	1
16) Acetone	2.32	43	636	0.380	ug/l #	88
27) cis-1,2-Dichloroethene	4.24	96	3637	1.321	ug/l	77
31) Cyclohexane	4.99	56	3365	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13142	3.637	ug/l #	50
38) Carbon Tetrachloride	4.99	117	16904	4.254	ug/l #	16
40) Benzene	5.40	78	3515	0.341	ug/l	94
76) 1,2,3-Trichloropropane	10.31	75	83466	22.393	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	83466	51.826	ug/l #	100

(#) = 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: VU024578.D

Acq: 15 Jun 2018 06:45

Instrument :

MSVOA_D

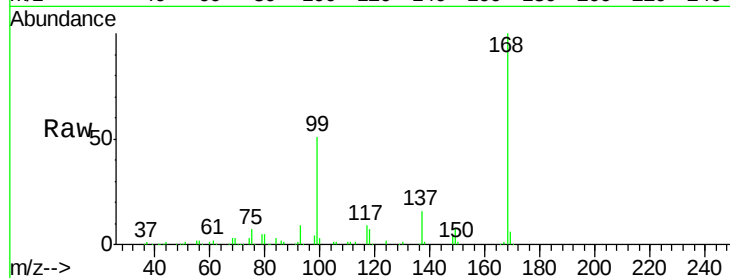
ClientSampleId :

Tot Ion:168 Resp: 191016

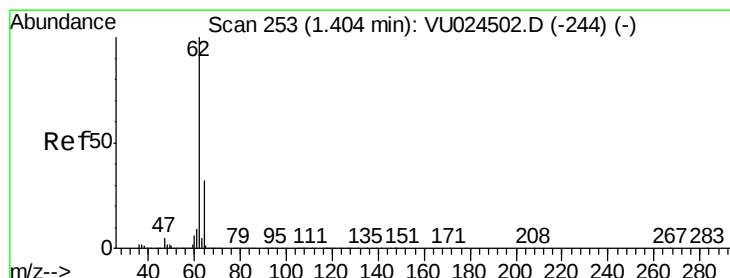
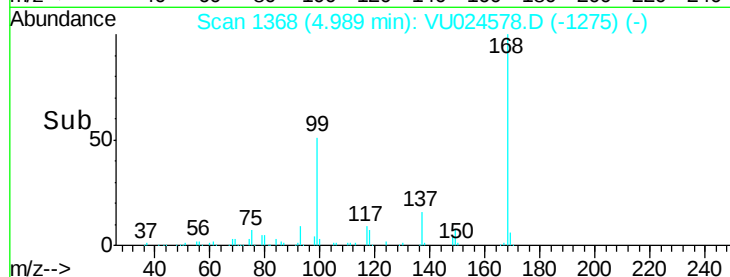
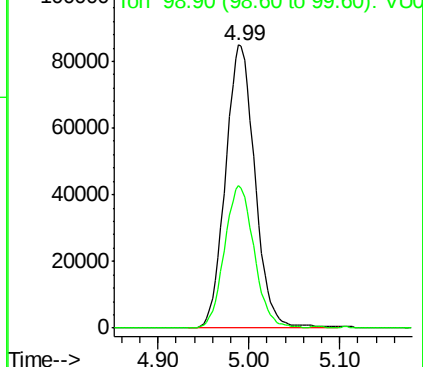
Ion Ratio Lower Upper

168 100

99 50.6 43.2 64.8



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



#4

Vinyl Chloride

Concen: 1.429 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024578.D

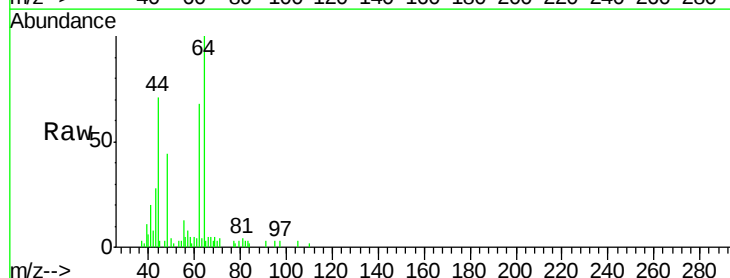
Acq: 15 Jun 2018 06:45

Tgt Ion: 62 Resp: 3599

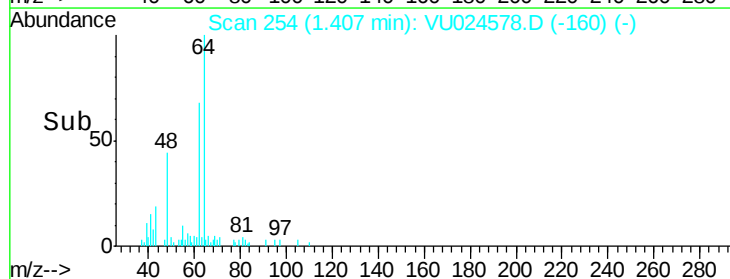
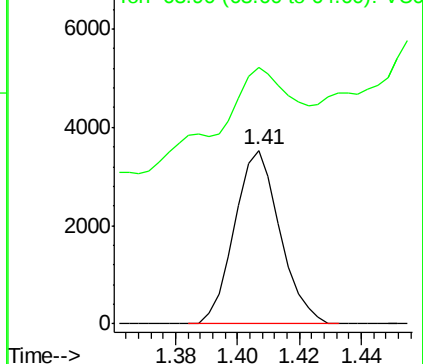
Ion Ratio Lower Upper

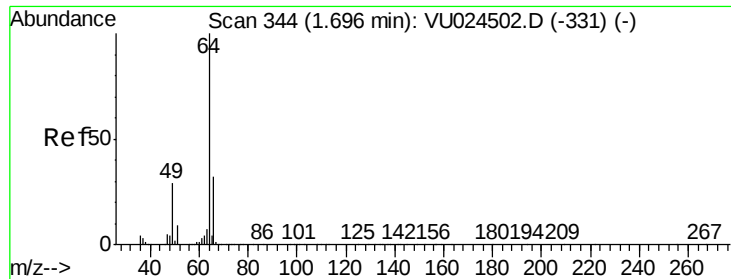
62 100

64 39.0 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.86 min Scan# 395

Delta R.T. 0.16 min

Lab File: VU024578.D

Acq: 15 Jun 2018 06:45

Instrument :

MSVOA_D

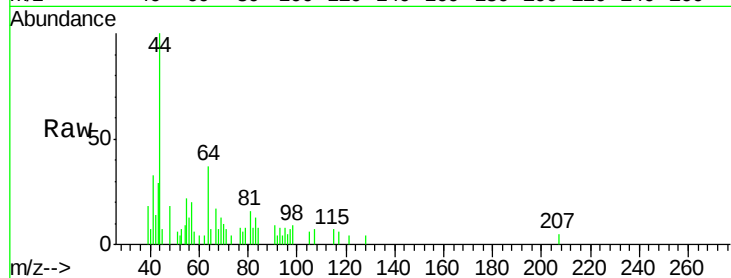
ClientSampled :

Tot Ion: 64 Resp: 322

Ion Ratio Lower Upper

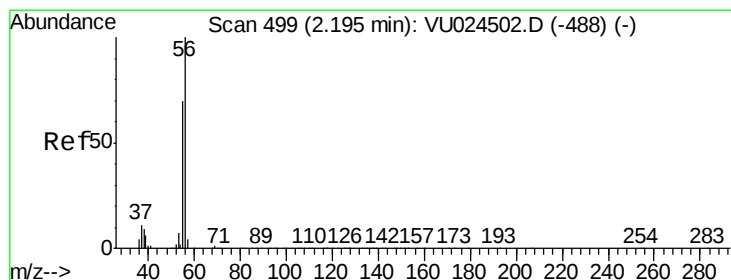
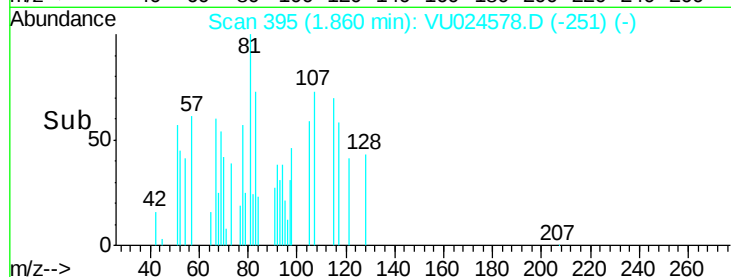
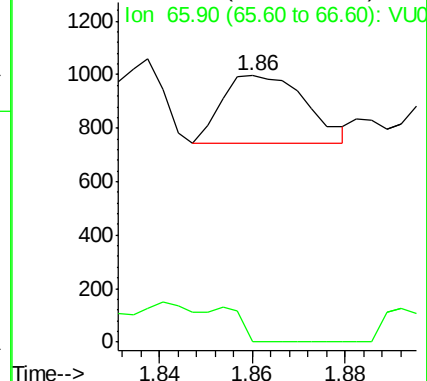
64 100

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



#13

Acrolein

Concen: 0.701 ug/l

RT: 2.19 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU024578.D

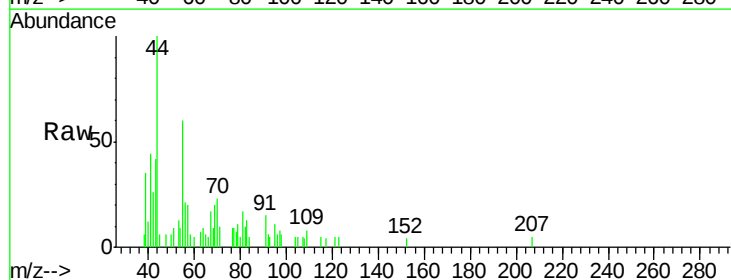
Acq: 15 Jun 2018 06:45

Tgt Ion: 56 Resp: 279

Ion Ratio Lower Upper

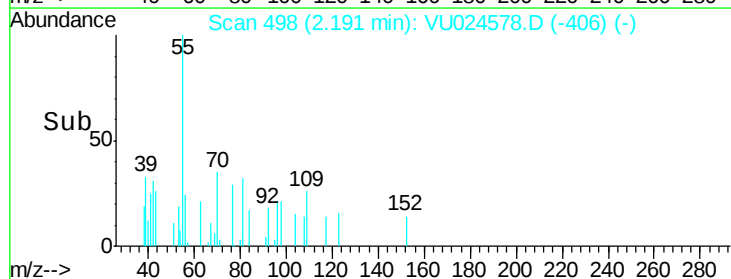
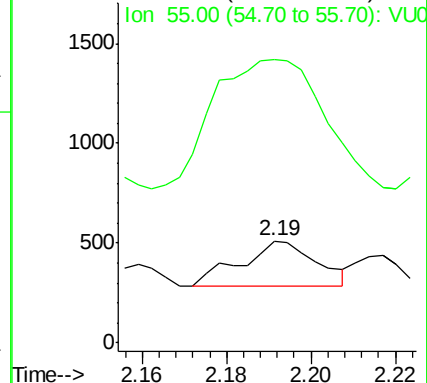
56 100

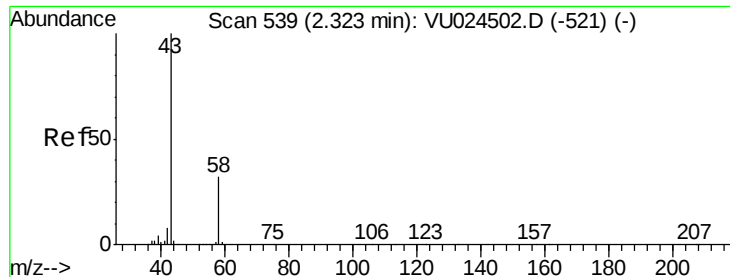
55 458.4 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0





#16

Acetone

Concen: 0.380 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024578.D

Acq: 15 Jun 2018 06:45

Instrument :

MSVOA_D

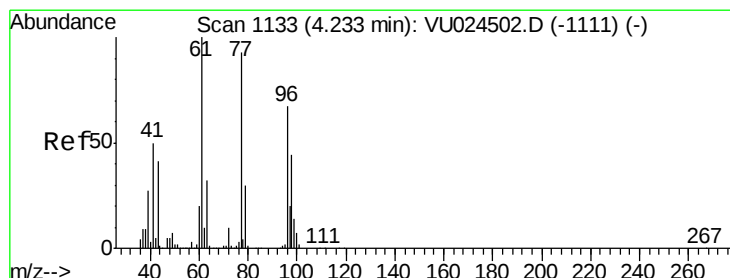
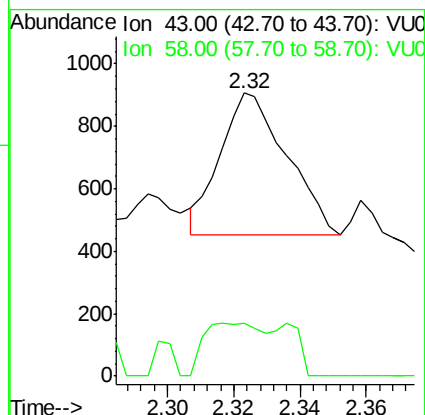
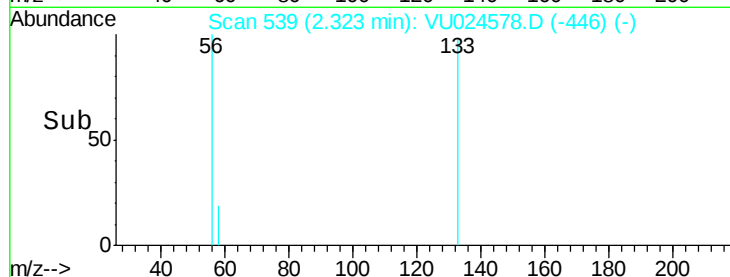
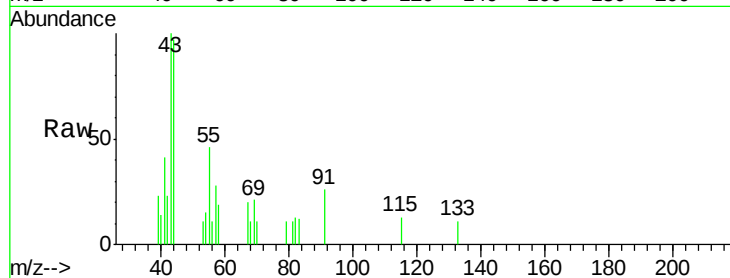
ClientSampled :

Tot Ion: 43 Resp: 636

Ion Ratio Lower Upper

43 100

58 36.8 24.4 36.6#



#27

cis-1,2-Dichloroethene

Concen: 1.321 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU024578.D

Acq: 15 Jun 2018 06:45

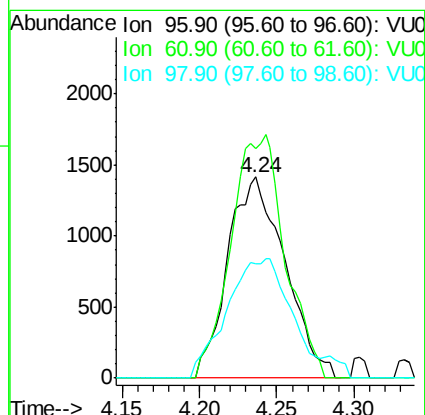
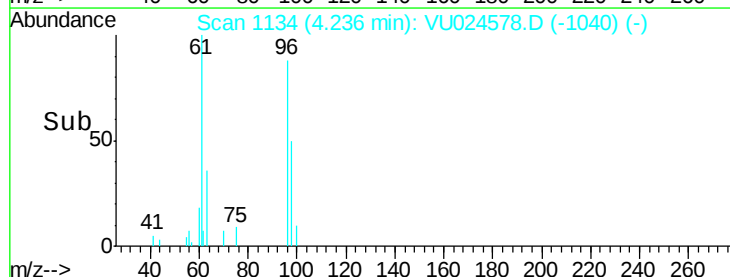
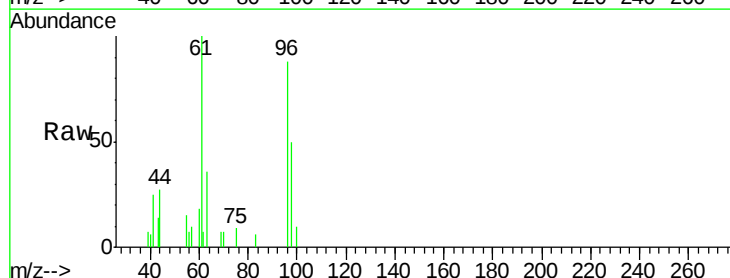
Tgt Ion: 96 Resp: 3637

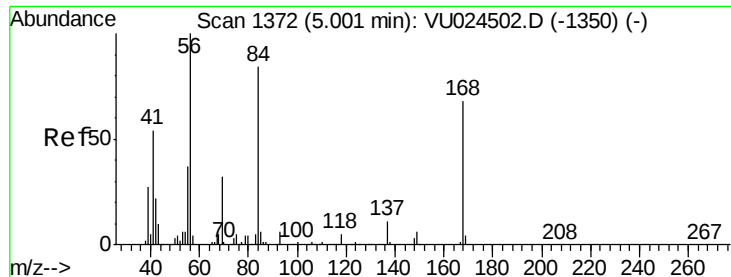
Ion Ratio Lower Upper

96 100

61 114.3 0.0 306.6

98 69.6 0.0 128.8

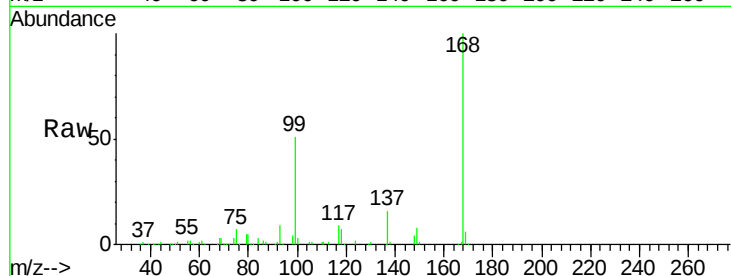




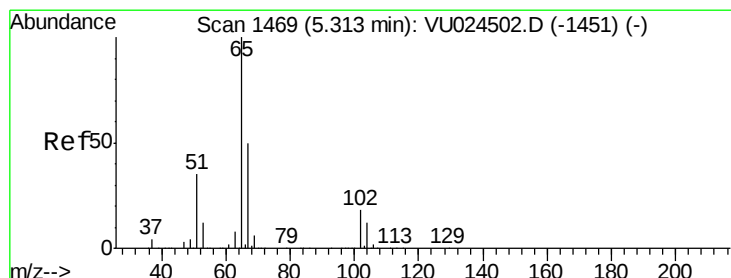
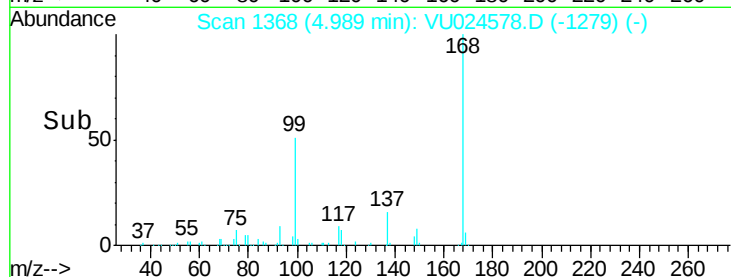
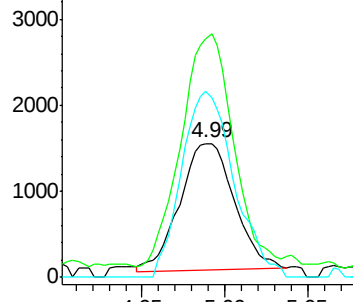
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024578.D
Acq: 15 Jun 2018 06:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 3365
Ion Ratio Lower Upper
56 100
69 183.2 24.8 37.2#
84 149.5 65.2 97.8#

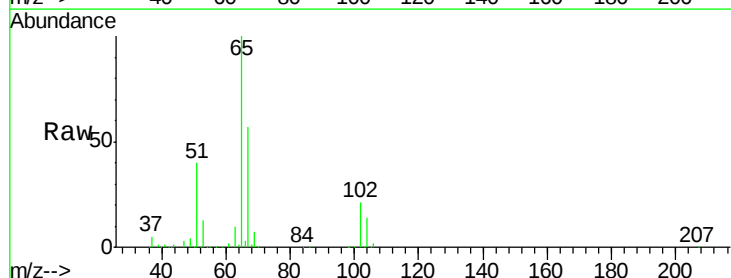


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

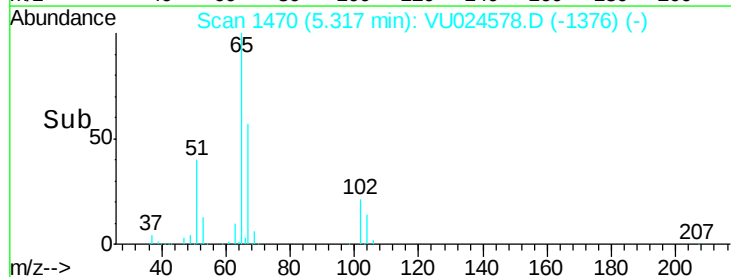
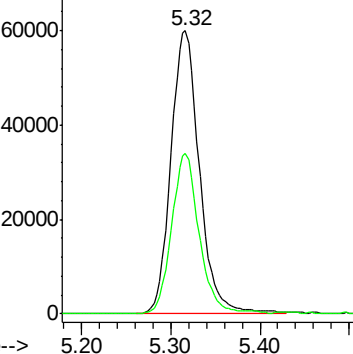


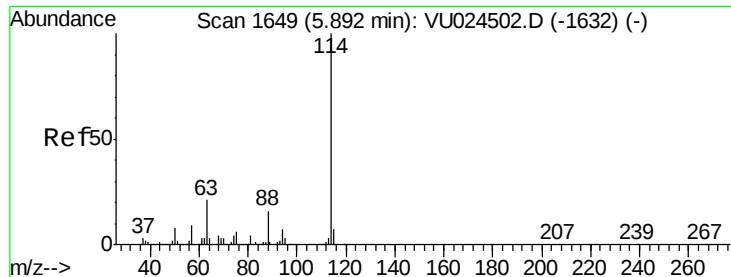
#33
1,2-Dichloroethane-d4
Concen: 42.625 ug/l
RT: 5.32 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VU024578.D
Acq: 15 Jun 2018 06:45

Tgt Ion: 65 Resp: 132921
Ion Ratio Lower Upper
65 100
67 54.6 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

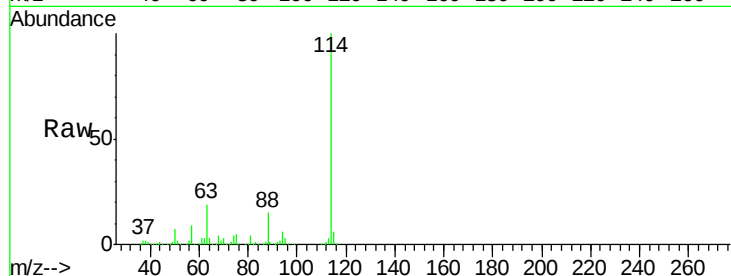




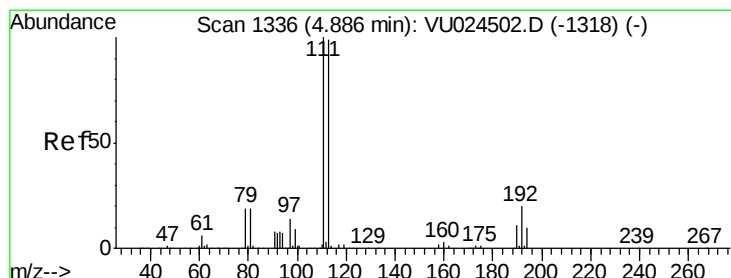
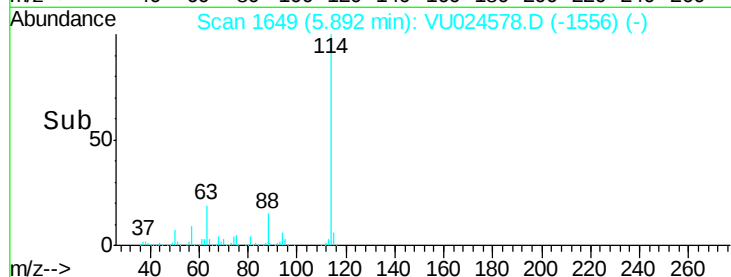
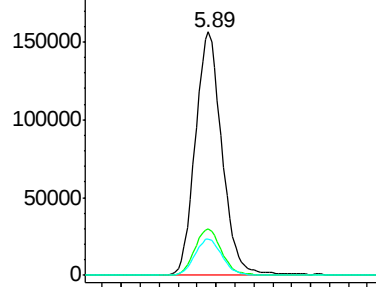
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU024578.D
Acq: 15 Jun 2018 06:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	45.4
88	15.1	0.0	31.0

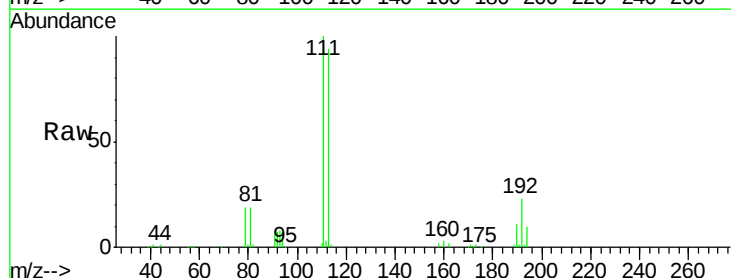


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

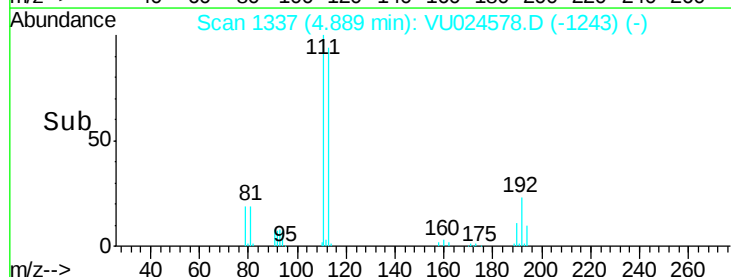
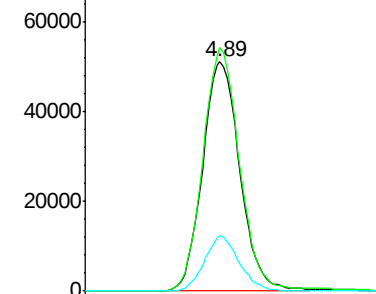


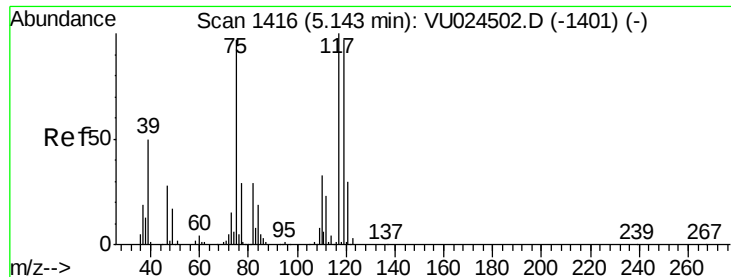
#35
Dibromofluoromethane
Concen: 46.865 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU024578.D
Acq: 15 Jun 2018 06:45

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	22.4	16.2	24.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.637 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024578.D

Acq: 15 Jun 2018 06:45

Instrument :
MSVOA_D
ClientSampleId :

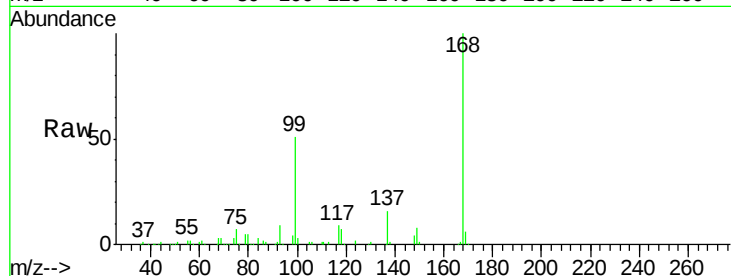
Tot Ion: 75 Resp: 13142

Ion Ratio Lower Upper

75 100

110 8.6 17.0 50.9#

77 0.0 24.2 36.4#

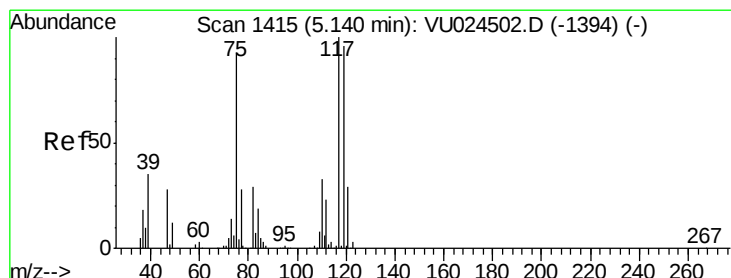
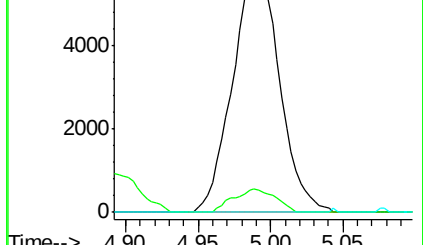
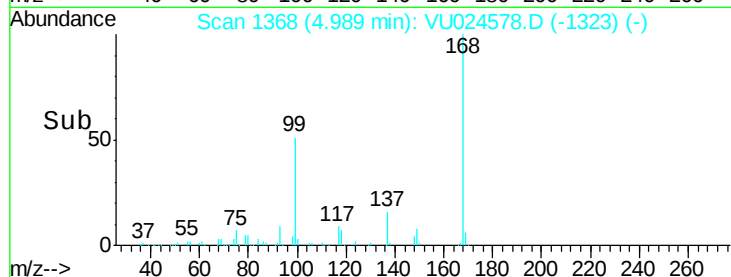


Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-1401) (-)

Ion 109.90 (109.60 to 110.60): VU024502.D (-1401) (-)

Ion 76.90 (76.60 to 77.60): VU024502.D (-1401) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.254 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024578.D

Acq: 15 Jun 2018 06:45

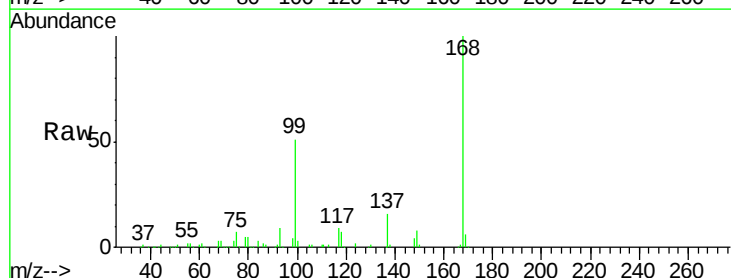
Tgt Ion: 117 Resp: 16904

Ion Ratio Lower Upper

117 100

119 4.1 76.1 114.1#

121 0.0 23.7 35.5#

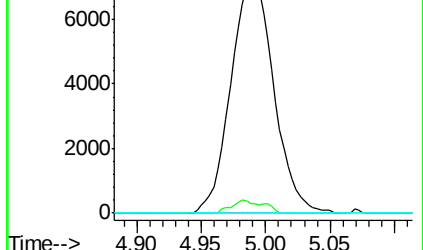
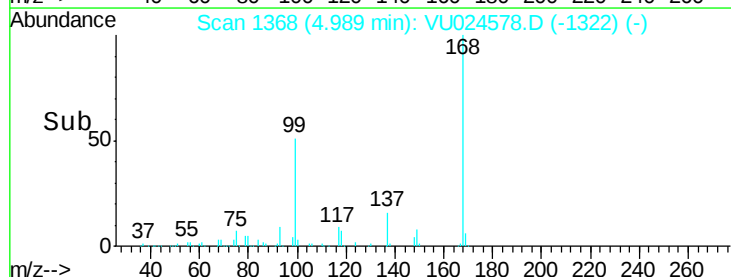


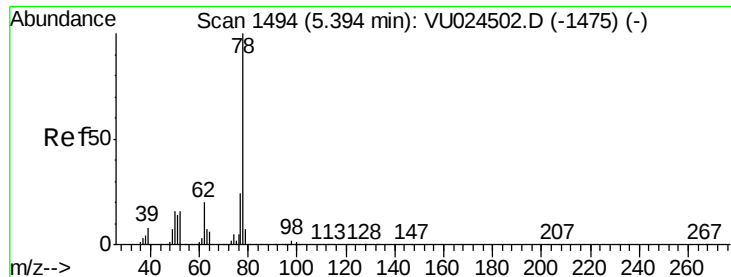
Abundance Ion 116.80 (116.50 to 117.50): VU024502.D (-1394) (-)

Ion 118.80 (118.50 to 119.50): VU024502.D (-1394) (-)

Ion 120.80 (120.50 to 121.50): VU024502.D (-1394) (-)

Time-->





#40

Benzene

Concen: 0.341 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU024578.D

Acq: 15 Jun 2018 06:45

Instrument :

MSVOA_D

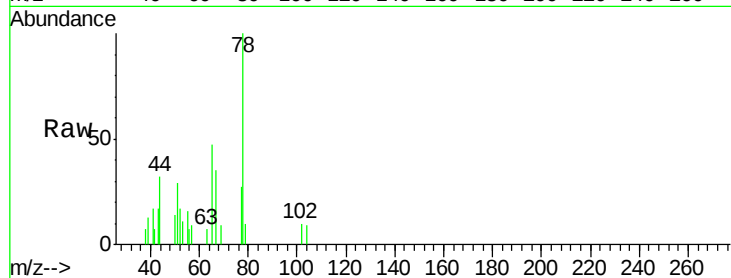
ClientSampleId :

Tot Ion: 78 Resp: 3515

Ion Ratio Lower Upper

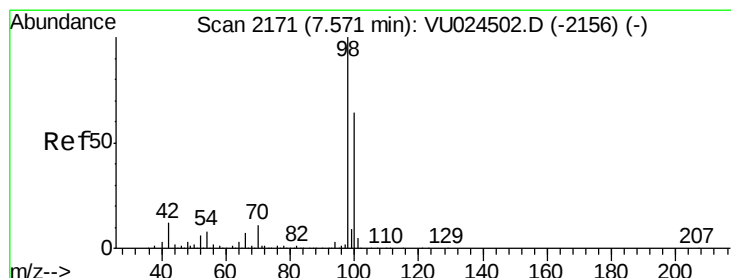
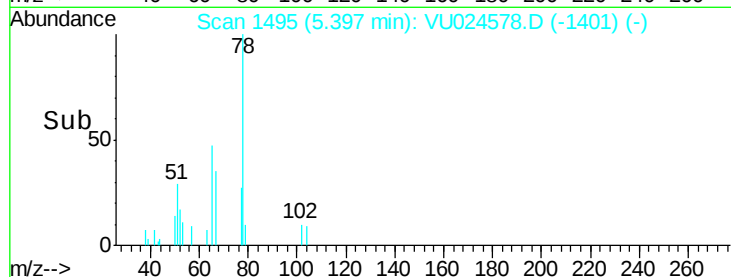
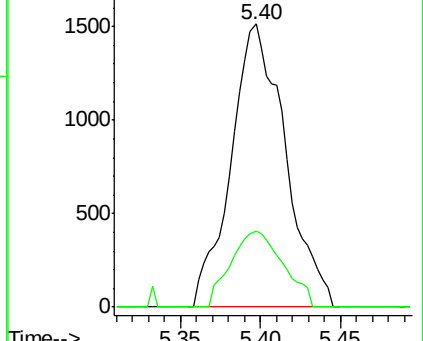
78 100

77 26.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 48.409 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024578.D

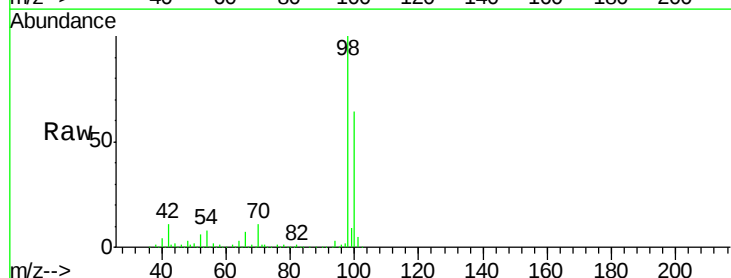
Acq: 15 Jun 2018 06:45

Tgt Ion: 98 Resp: 450614

Ion Ratio Lower Upper

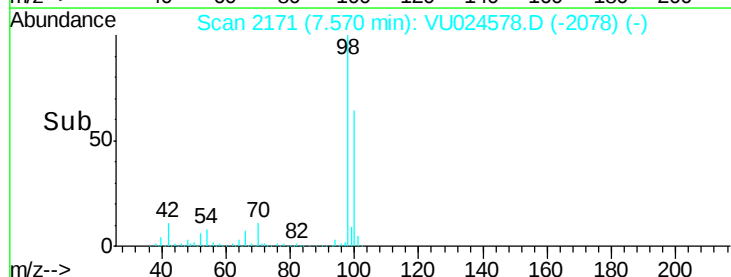
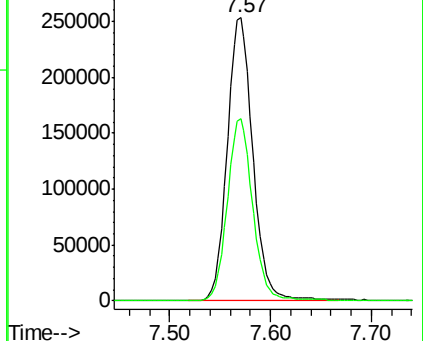
98 100

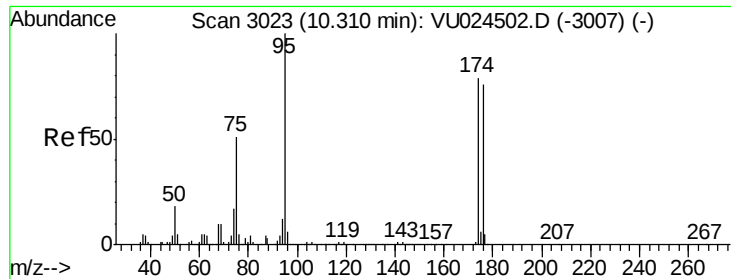
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

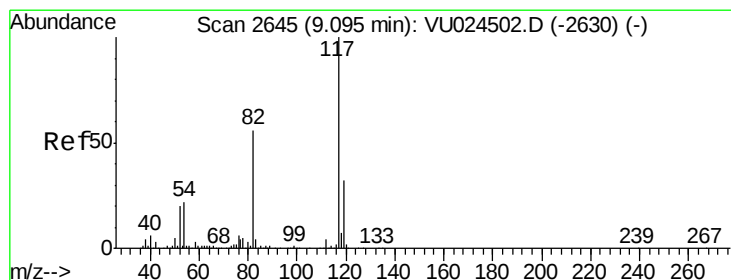
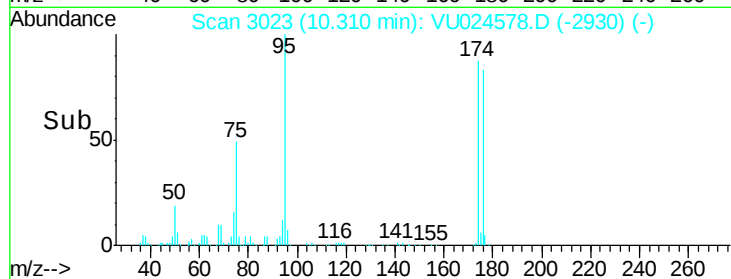
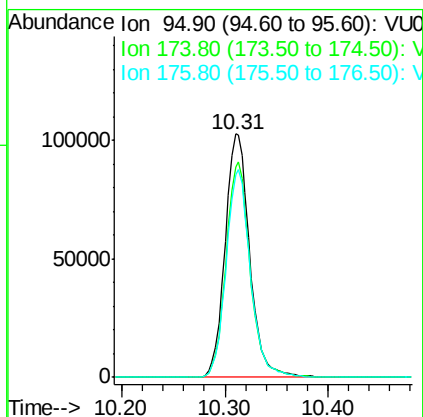
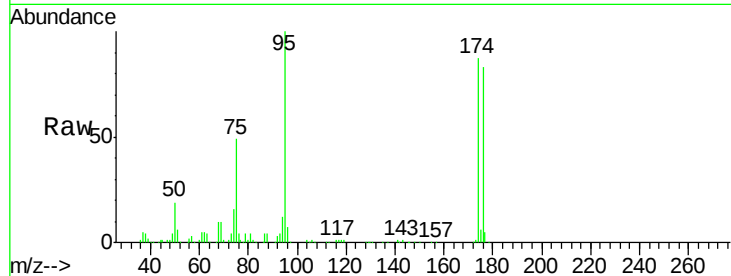




#62
4-Bromofluorobenzene
Concen: 46.260 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024578.D
Acq: 15 Jun 2018 06:45

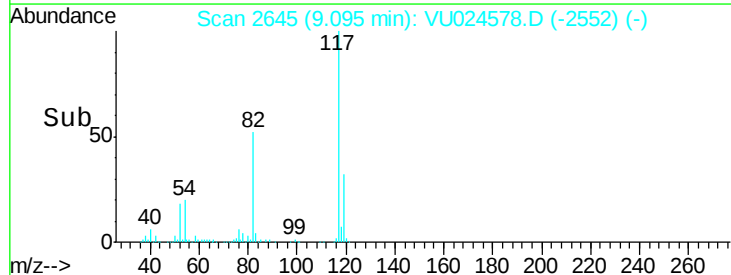
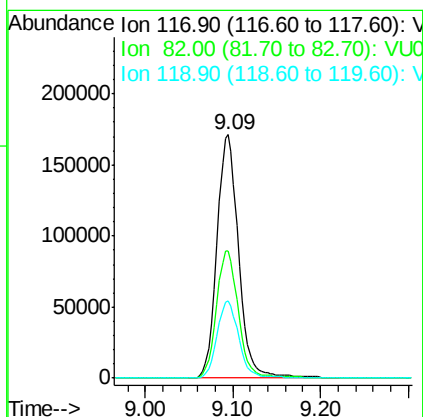
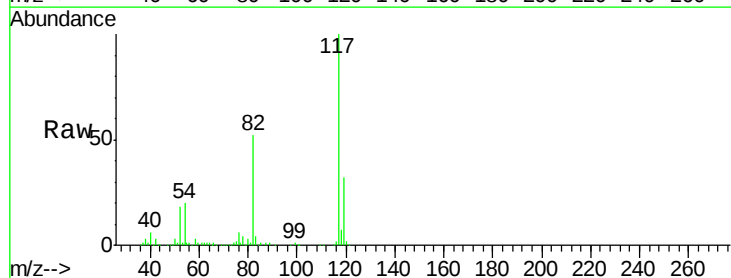
Instrument :
MSVOA_D
ClientSampleId :

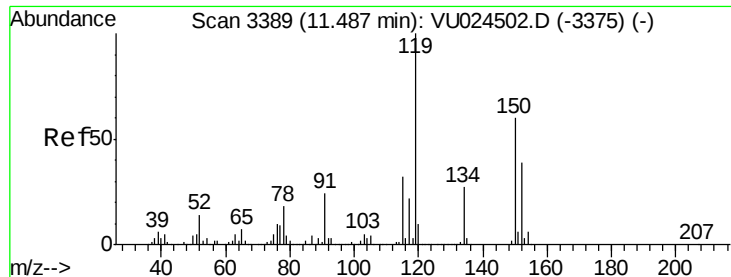
Tot Ion: 95 Resp: 170972
Ion Ratio Lower Upper
95 100
174 86.6 0.0 165.8
176 84.5 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024578.D
Acq: 15 Jun 2018 06:45

Tgt Ion: 117 Resp: 294697
Ion Ratio Lower Upper
117 100
82 52.1 44.3 66.5
119 31.6 25.4 38.2



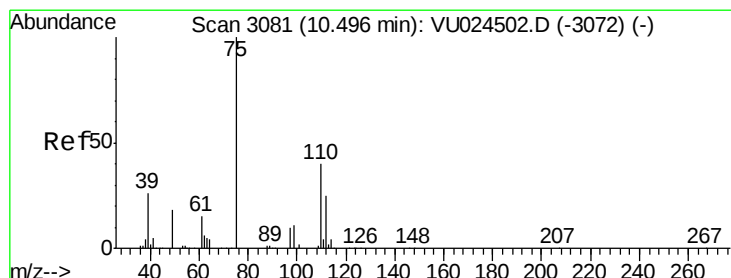
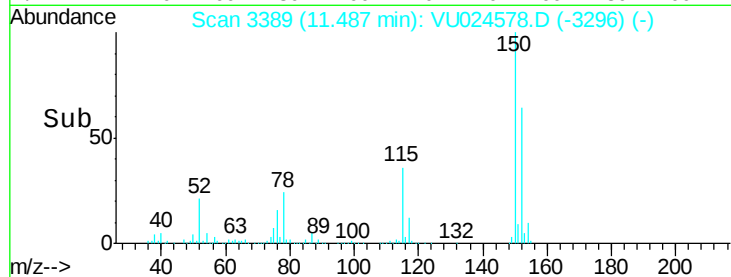
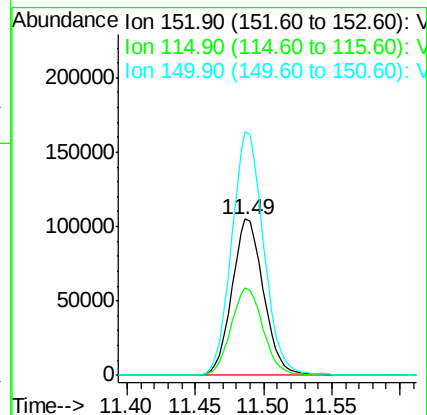
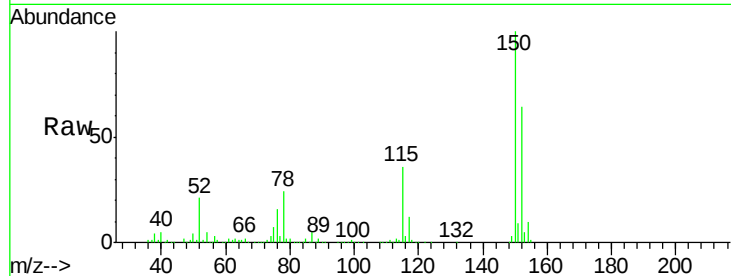


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024578.D
Acq: 15 Jun 2018 06:45

Instrument :
MSVOA_D
ClientSampled :

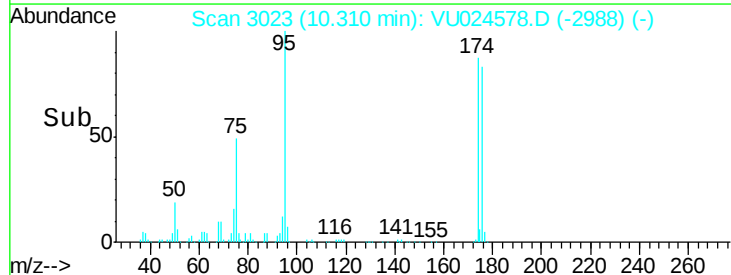
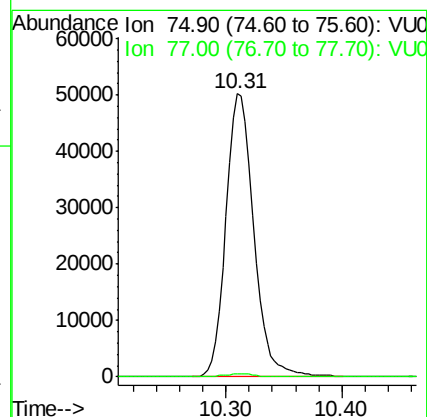
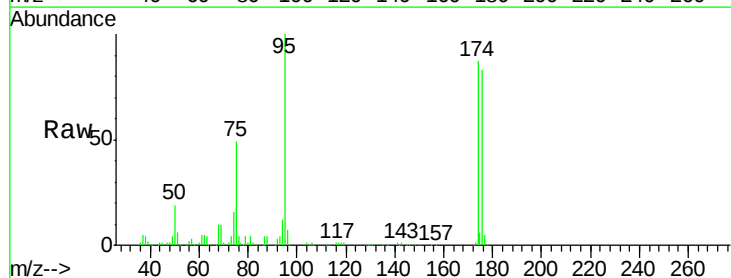
Tot Ion:152 Resp: 169301
Ion Ratio Lower Upper
152 100
115 56.7 43.0 129.0
150 157.7 0.0 354.0

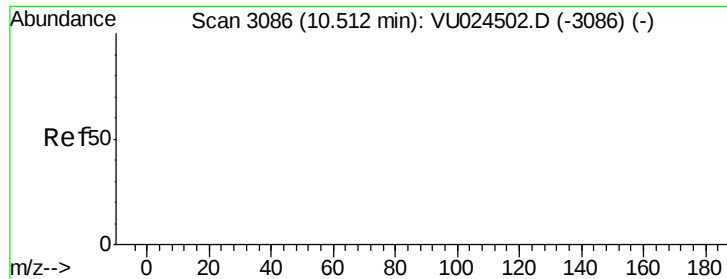


#76

1,2,3-Trichloropropane
Concen: 22.393 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.19 min
Lab File: VU024578.D
Acq: 15 Jun 2018 06:45

Tgt Ion: 75 Resp: 83466
Ion Ratio Lower Upper
75 100
77 1.2 20.9 62.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 51.826 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024578.D

Acq: 15 Jun 2018 06:45

Instrument :

MSVOA_D

ClientSampleId :

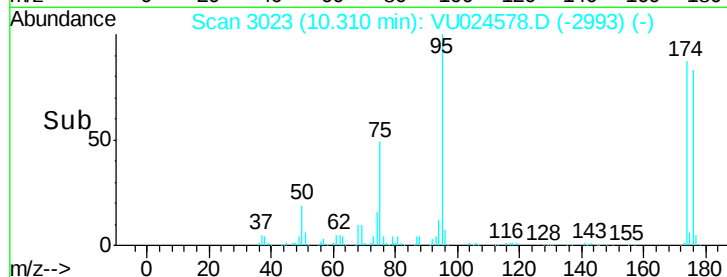
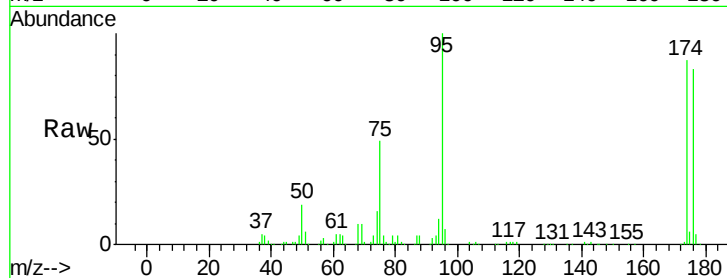
Tot Ion: 75 Resp: 83466

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): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

