

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025703.D
 Acq On : 28 Jul 2018 05:22
 Operator : MD/SY
 Sample : J4069-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0489-180718

Quant Time: Jul 30 00:40:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	170421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269773	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	264485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159324	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	136210	51.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.60%	
35) Dibromofluoromethane	4.89	113	114170	48.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.32%	
50) Toluene-d8	7.57	98	391995	47.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	10.31	95	152903	47.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.96%	

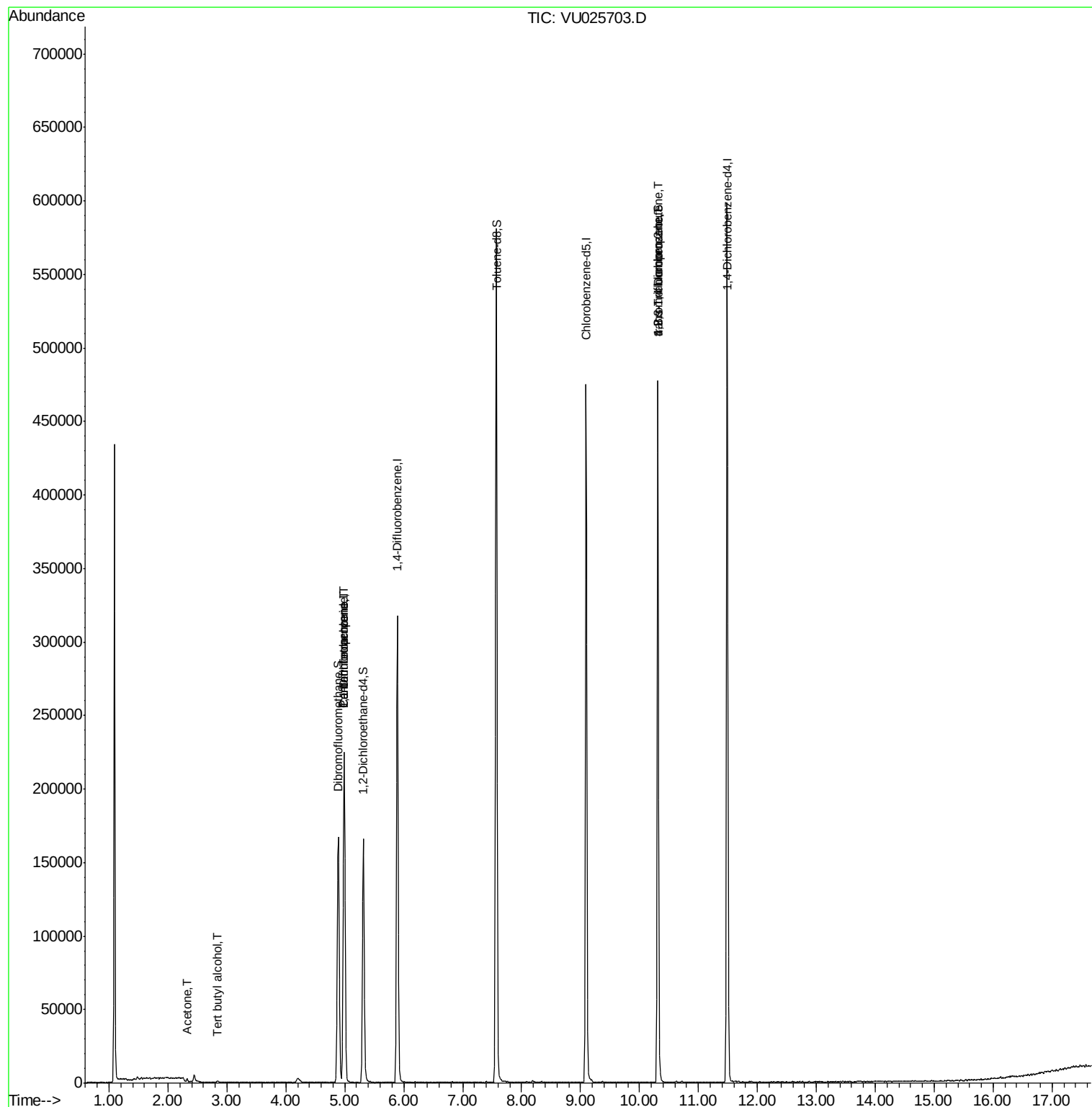
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	897	1.54	ug/l #	73
13) Acrolein	2.19	56	155	Below Cal	#	14
16) Acetone	2.33	43	2065	1.60	ug/l #	87
31) Cyclohexane	4.99	56	3417	Below Cal	#	21
36) 1,1-Dichloropropene	4.99	75	12598	4.00	ug/l #	51
38) Carbon Tetrachloride	4.99	117	17149	4.80	ug/l #	17
76) 1,2,3-Trichloropropane	10.31	75	78617	22.40	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	78617	56.16	ug/l #	100

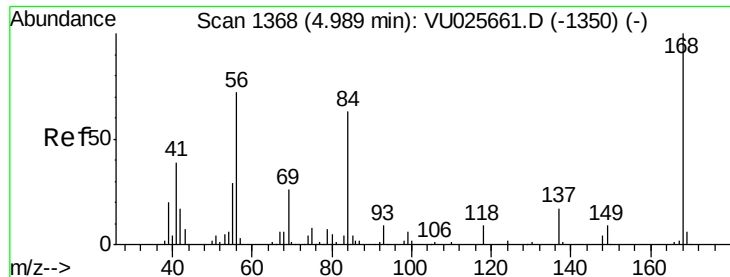
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025703.D

Acq: 28 Jul 2018 05:22

Instrument :

MSVOA_U

ClientSampleId :

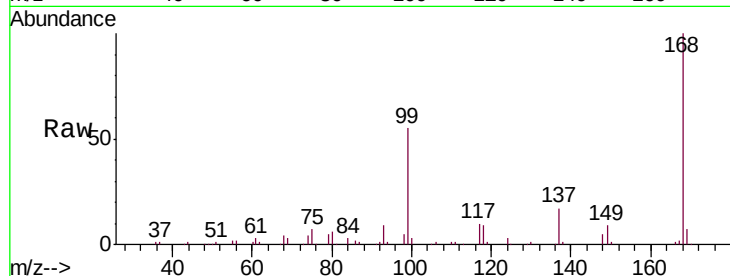
DUP-0489-180718

Tot Ion:168 Resp: 170421

Ion Ratio Lower Upper

168 100

99 55.1 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) (-)

4.99

80000

60000

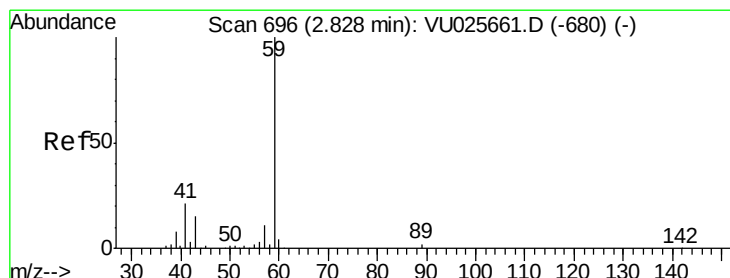
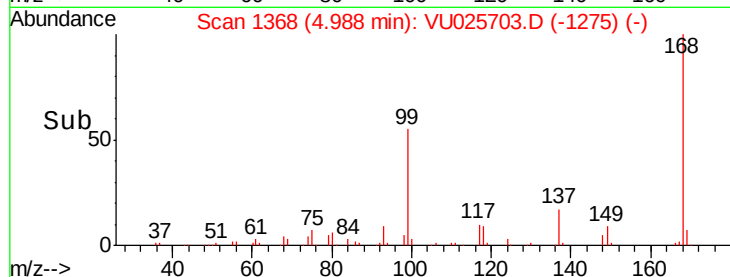
40000

20000

0

Time-->

4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 1.54 ug/l

RT: 2.84 min Scan# 696

Delta R.T. 0.01 min

Lab File: VU025703.D

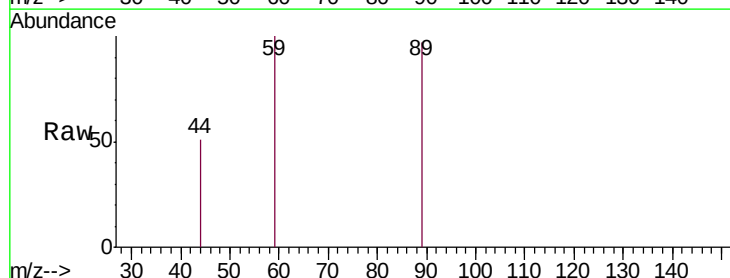
Acq: 28 Jul 2018 05:22

Tgt Ion: 59 Resp: 897

Ion Ratio Lower Upper

59 100

57 0.0 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) (-)

2.84

600

500

400

300

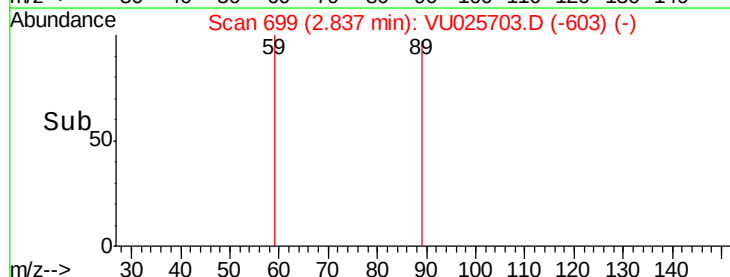
200

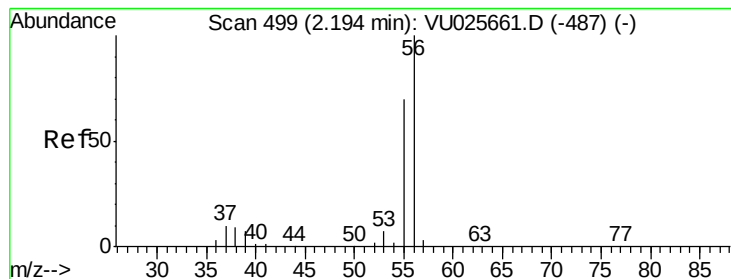
100

0

Time-->

2.80 2.85





#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 497

Delta R.T. -0.01 min

Lab File: VU025703.D

Acq: 28 Jul 2018 05:22

Instrument :

MSVOA_U

ClientSampleId :

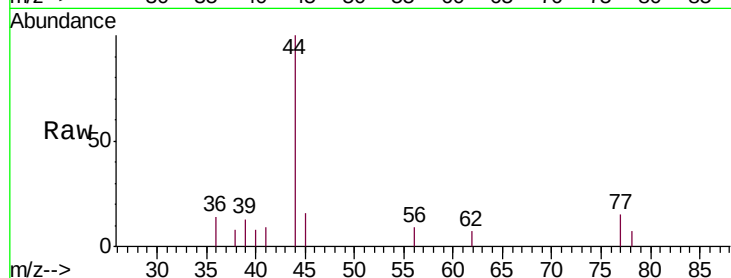
DUP-0489-180718

Tot Ion: 56 Resp: 155

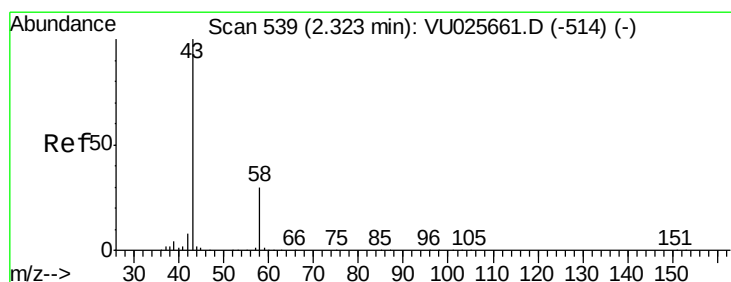
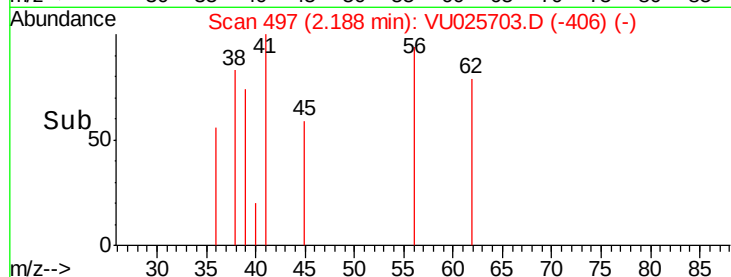
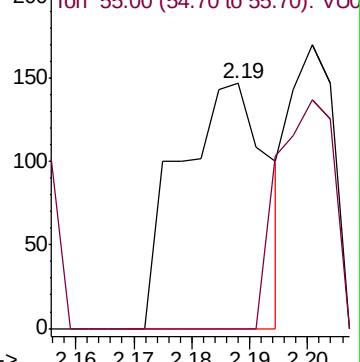
Ion Ratio Lower Upper

56 100

55 0.0 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU025661.D (-487) (-)



#16

Acetone

Concen: 1.60 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025703.D

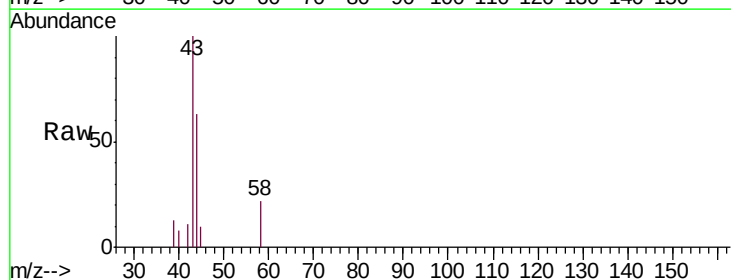
Acq: 28 Jul 2018 05:22

Tgt Ion: 43 Resp: 2065

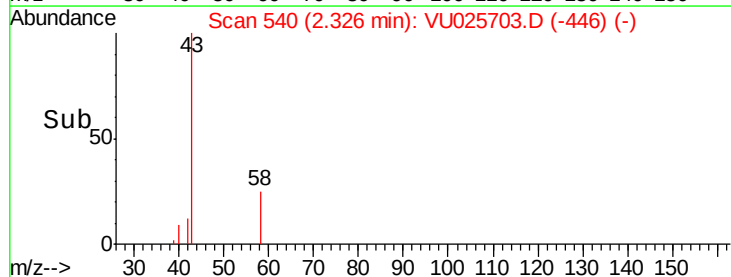
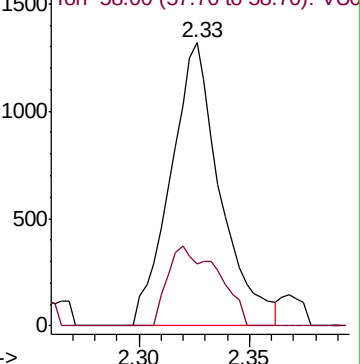
Ion Ratio Lower Upper

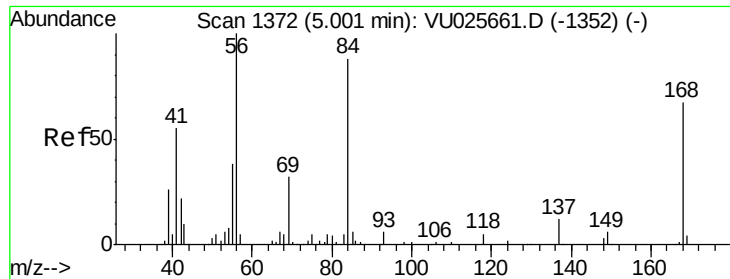
43 100

58 21.9 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-514) (-)

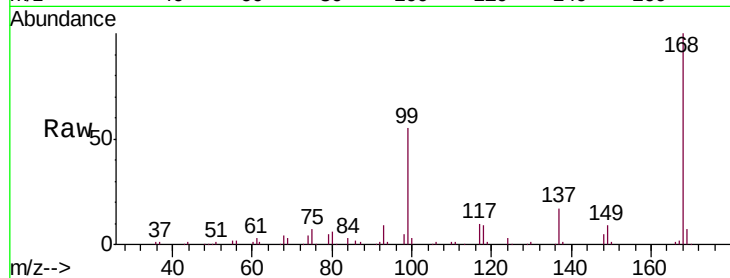




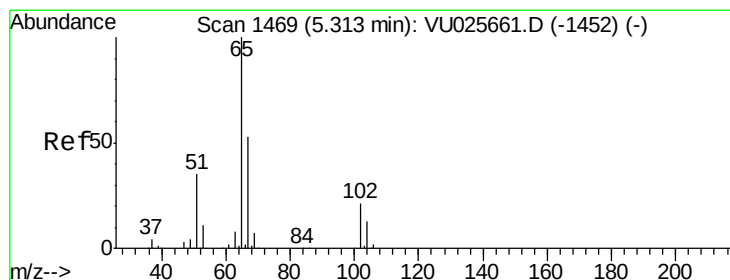
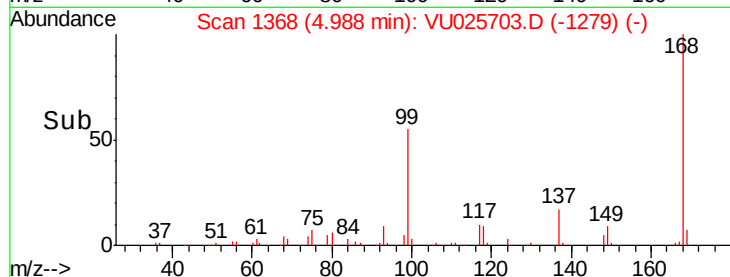
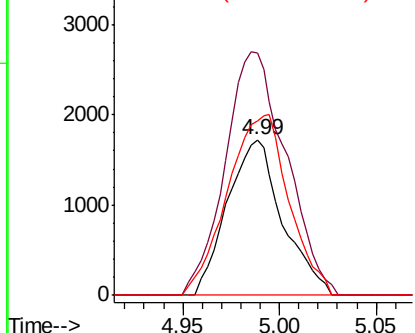
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025703.D
Acq: 28 Jul 2018 05:22

Instrument :
MSVOA_U
ClientSampleId :
DUP-0489-180718

Tot Ion: 56 Resp: 3417
Ion Ratio Lower Upper
56 100
69 155.8 26.8 40.2#
84 112.1 69.7 104.5#

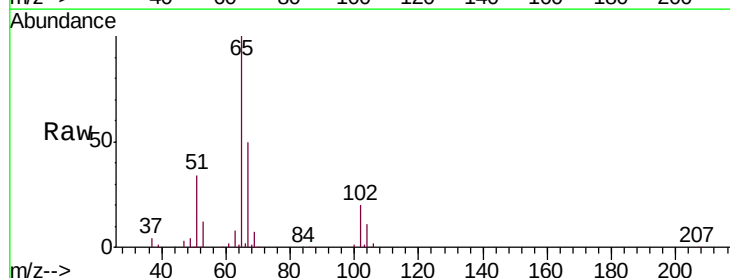


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

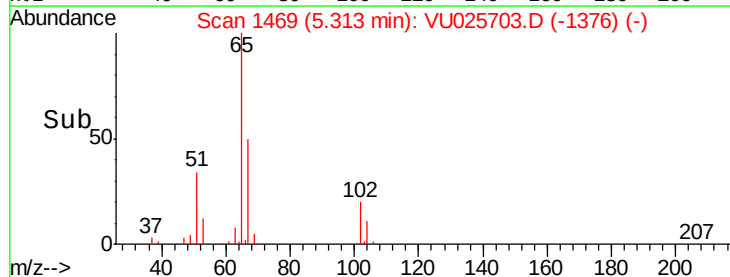
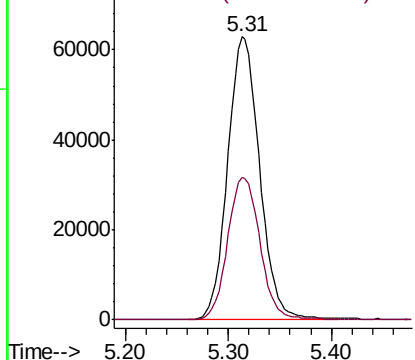


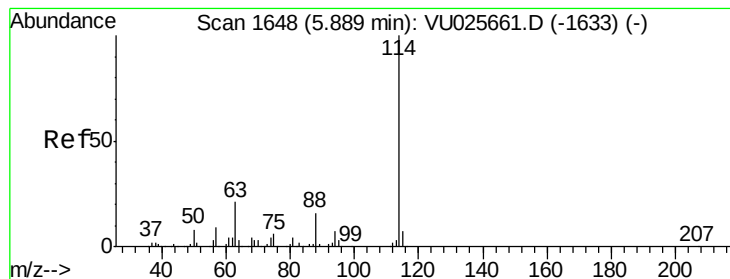
#33
1,2-Dichloroethane-d4
Concen: 51.30 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025703.D
Acq: 28 Jul 2018 05:22

Tgt Ion: 65 Resp: 136210
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: VU025703.D

Acq: 28 Jul 2018 05:22

Instrument :

MSVOA_U

ClientSampleId :

DUP-0489-180718

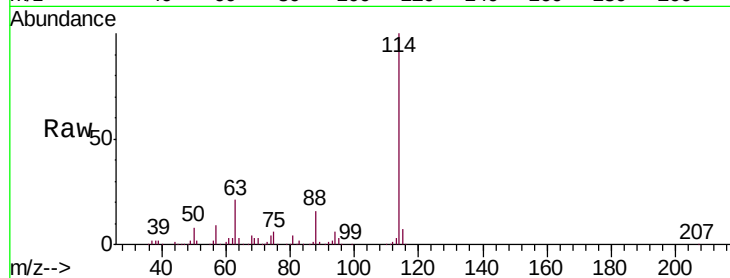
Tot Ion:114 Resp: 269773

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.6

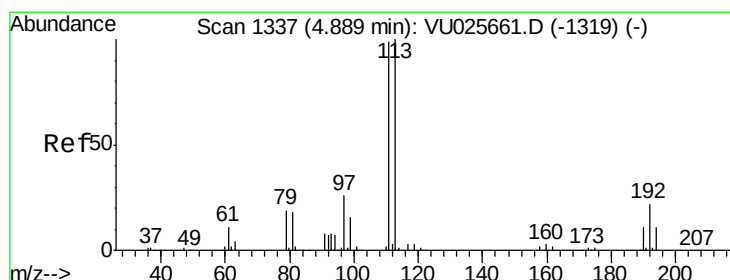
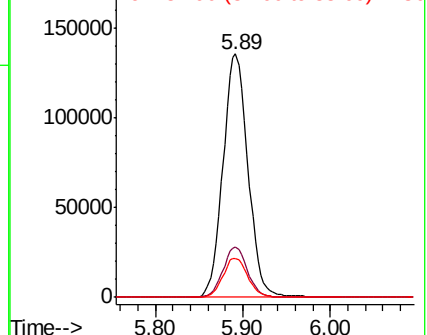
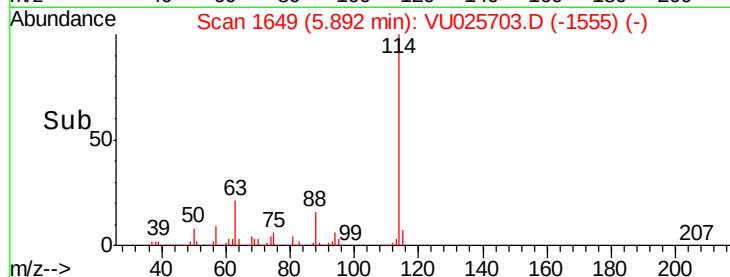
88 16.0 0.0 32.4



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: 48.66 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VU025703.D

Acq: 28 Jul 2018 05:22

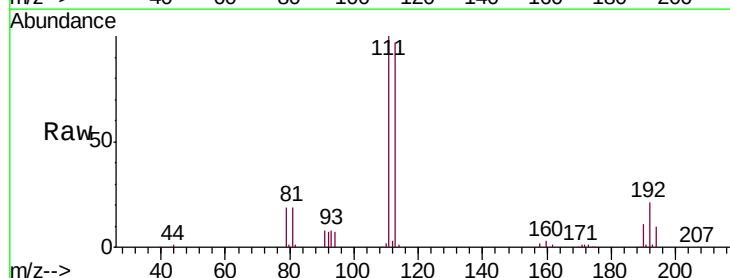
Tgt Ion:113 Resp: 114170

Ion Ratio Lower Upper

113 100

111 101.7 81.7 122.5

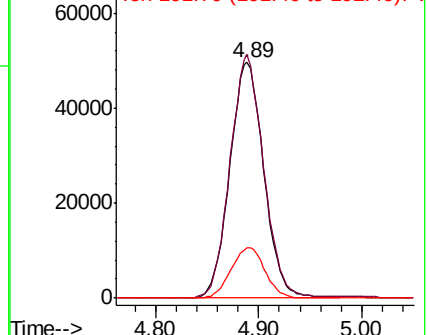
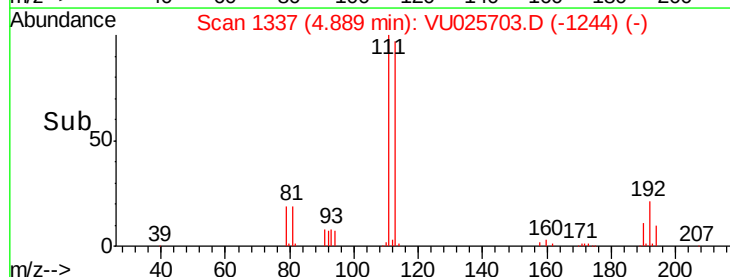
192 21.2 17.1 25.7

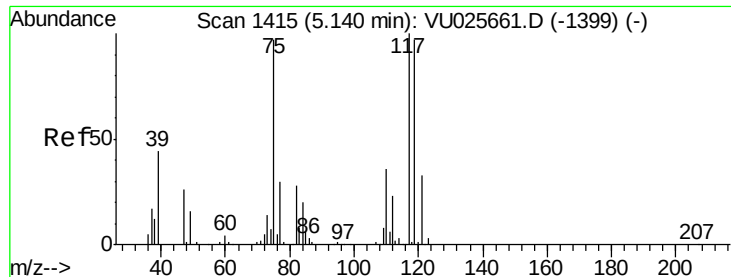


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025703.D

Acq: 28 Jul 2018 05:22

Instrument :

MSVOA_U

ClientSampleId :

DUP-0489-180718

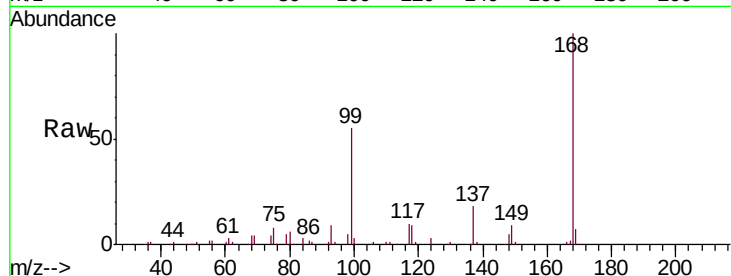
Tot Ion: 75 Resp: 12598

Ion Ratio Lower Upper

75 100

110 10.4 17.6 52.9#

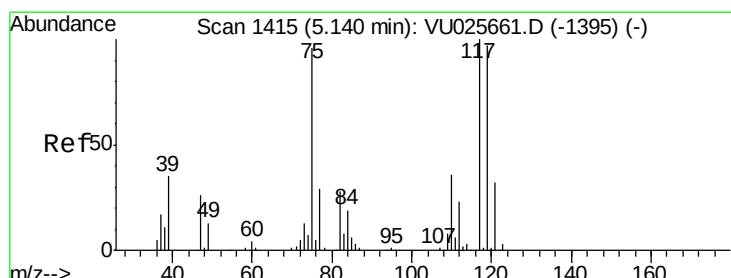
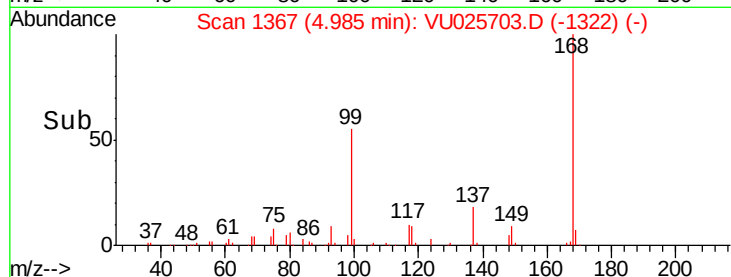
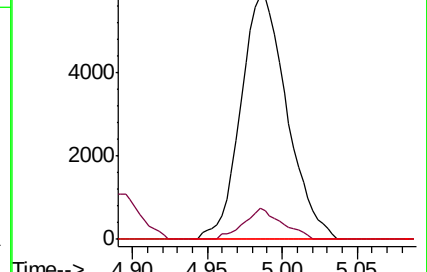
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-1399) (-)

Ion 109.90 (109.60 to 110.60): VU025661.D (-1399) (-)

Ion 76.90 (76.60 to 77.60): VU025661.D (-1399) (-)



#38

Carbon Tetrachloride

Concen: 4.80 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025703.D

Acq: 28 Jul 2018 05:22

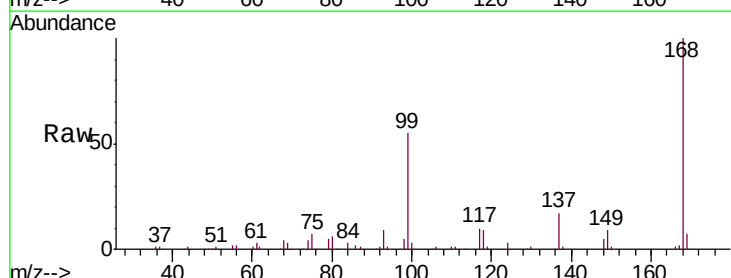
Tgt Ion: 117 Resp: 17149

Ion Ratio Lower Upper

117 100

119 5.9 75.7 113.5#

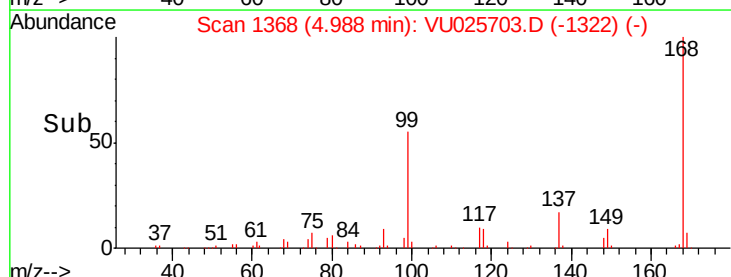
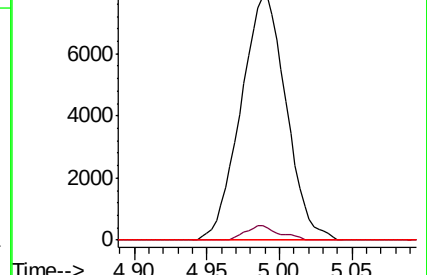
121 0.0 24.6 36.8#

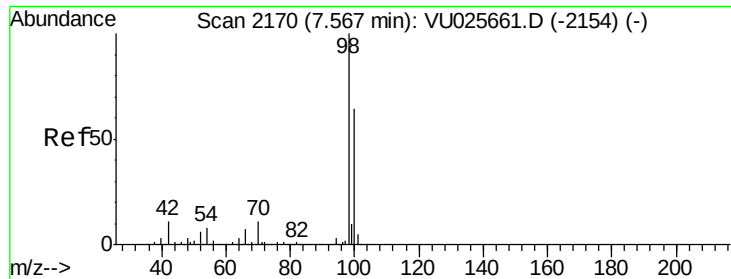


Abundance Ion 116.80 (116.50 to 117.50): VU025661.D (-1395) (-)

Ion 118.80 (118.50 to 119.50): VU025661.D (-1395) (-)

Ion 120.80 (120.50 to 121.50): VU025661.D (-1395) (-)

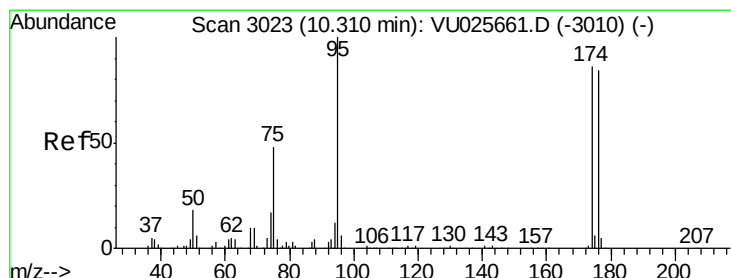
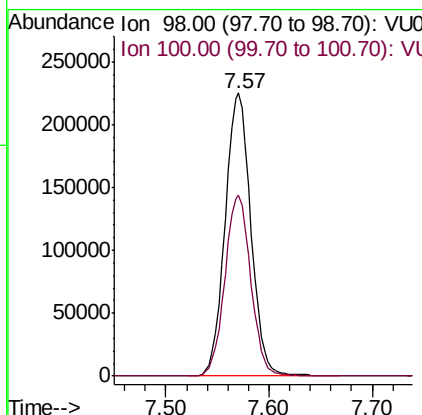
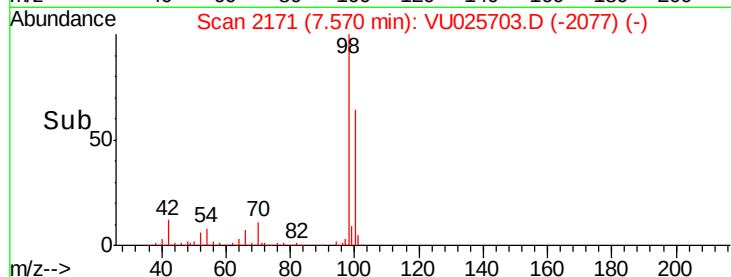
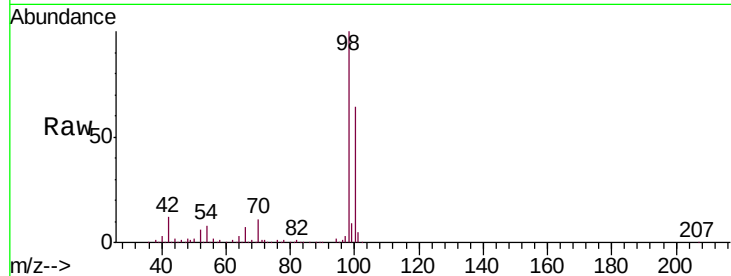




#50
Toluene-d8
Concen: 47.74 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025703.D
Acq: 28 Jul 2018 05:22

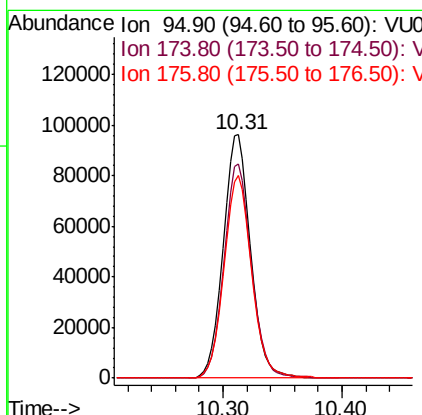
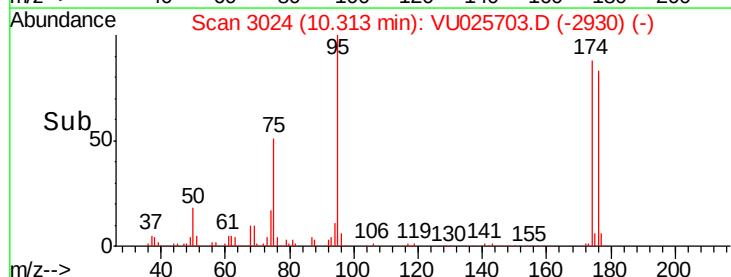
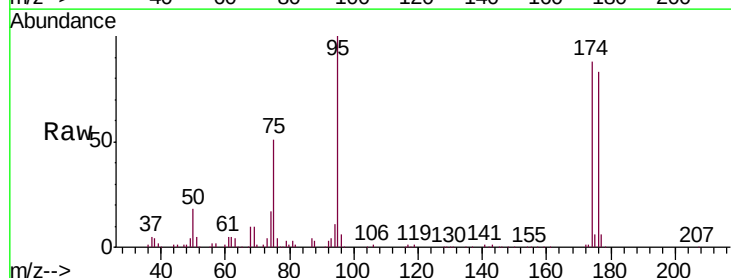
Instrument :
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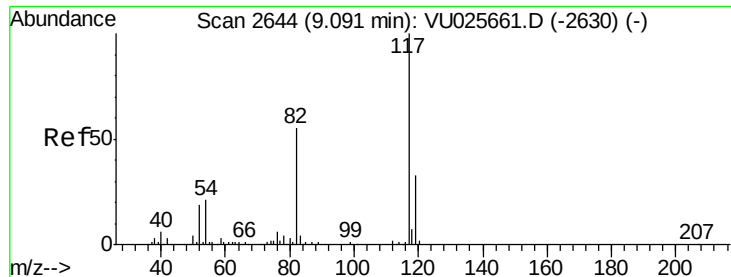
Tot Ion: 98 Resp: 391995
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 47.98 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU025703.D
Acq: 28 Jul 2018 05:22

Tgt Ion: 95 Resp: 152903
Ion Ratio Lower Upper
95 100
174 88.4 0.0 172.2
176 84.2 0.0 162.6

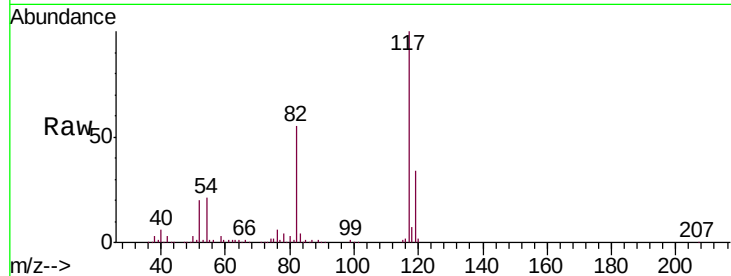




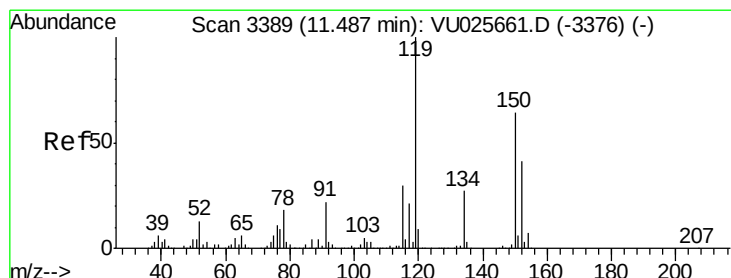
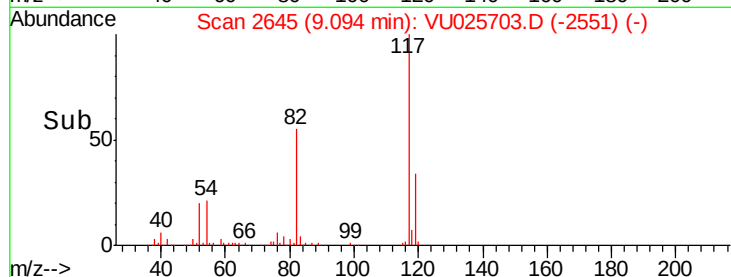
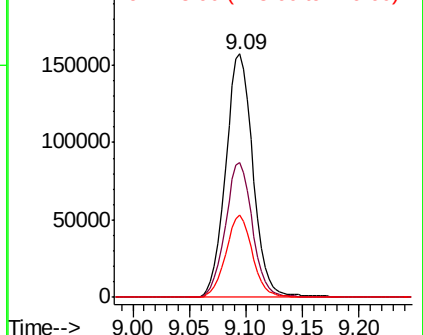
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025703.D
Acq: 28 Jul 2018 05:22

Instrument :
MSVOA_U
ClientSampleId :
DUP-0489-180718

Tot Ion:117 Resp: 264485
Ion Ratio Lower Upper
117 100
82 55.4 46.0 69.0
119 33.7 26.0 39.0

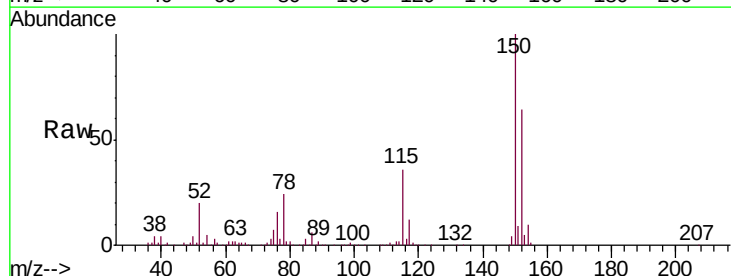


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

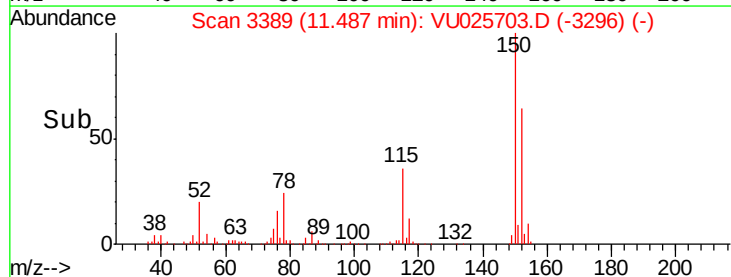
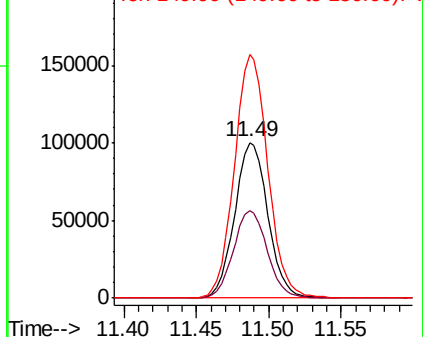


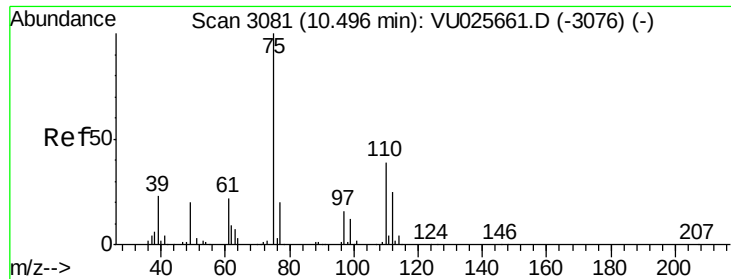
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025703.D
Acq: 28 Jul 2018 05:22

Tgt Ion:152 Resp: 159324
Ion Ratio Lower Upper
152 100
115 57.4 40.1 120.3
150 157.8 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

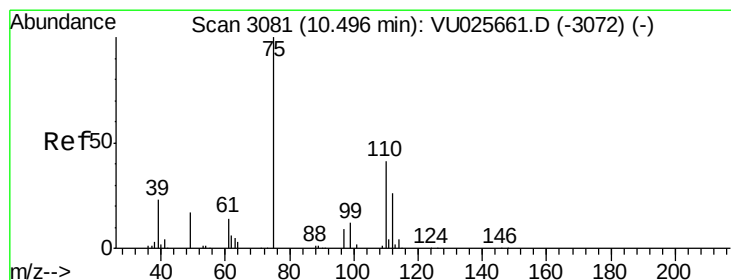
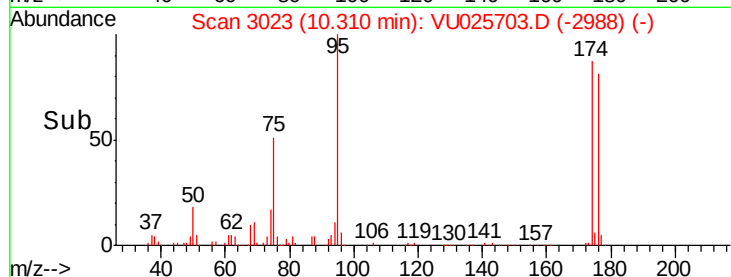
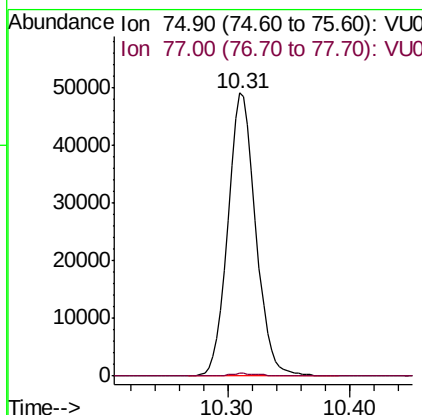
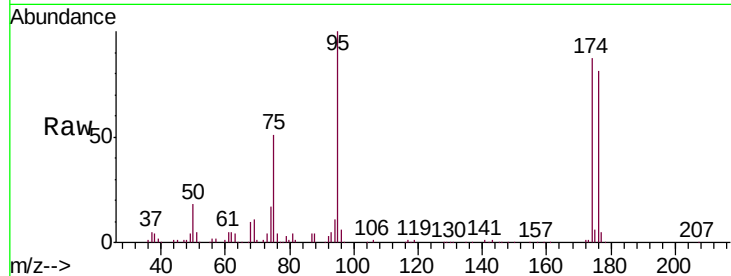




#76
 1,2,3-Trichloropropane
 Concen: 22.40 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025703.D
 Acq: 28 Jul 2018 05:22

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0489-180718

Tot Ion: 75 Resp: 78617
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.4 61.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.16 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025703.D
 Acq: 28 Jul 2018 05:22

Tgt Ion: 75 Resp: 78617
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

