

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073018\
 Data File : VU025720.D
 Acq On : 30 Jul 2018 14:17
 Operator : MD/SY
 Sample : J4189-26
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-12

Quant Time: Jul 31 03:36:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 28 02:19:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	179939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	283597	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	279207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	168070	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	139246	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	4.89	113	120297	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	7.57	98	411524	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	10.31	95	160562	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	

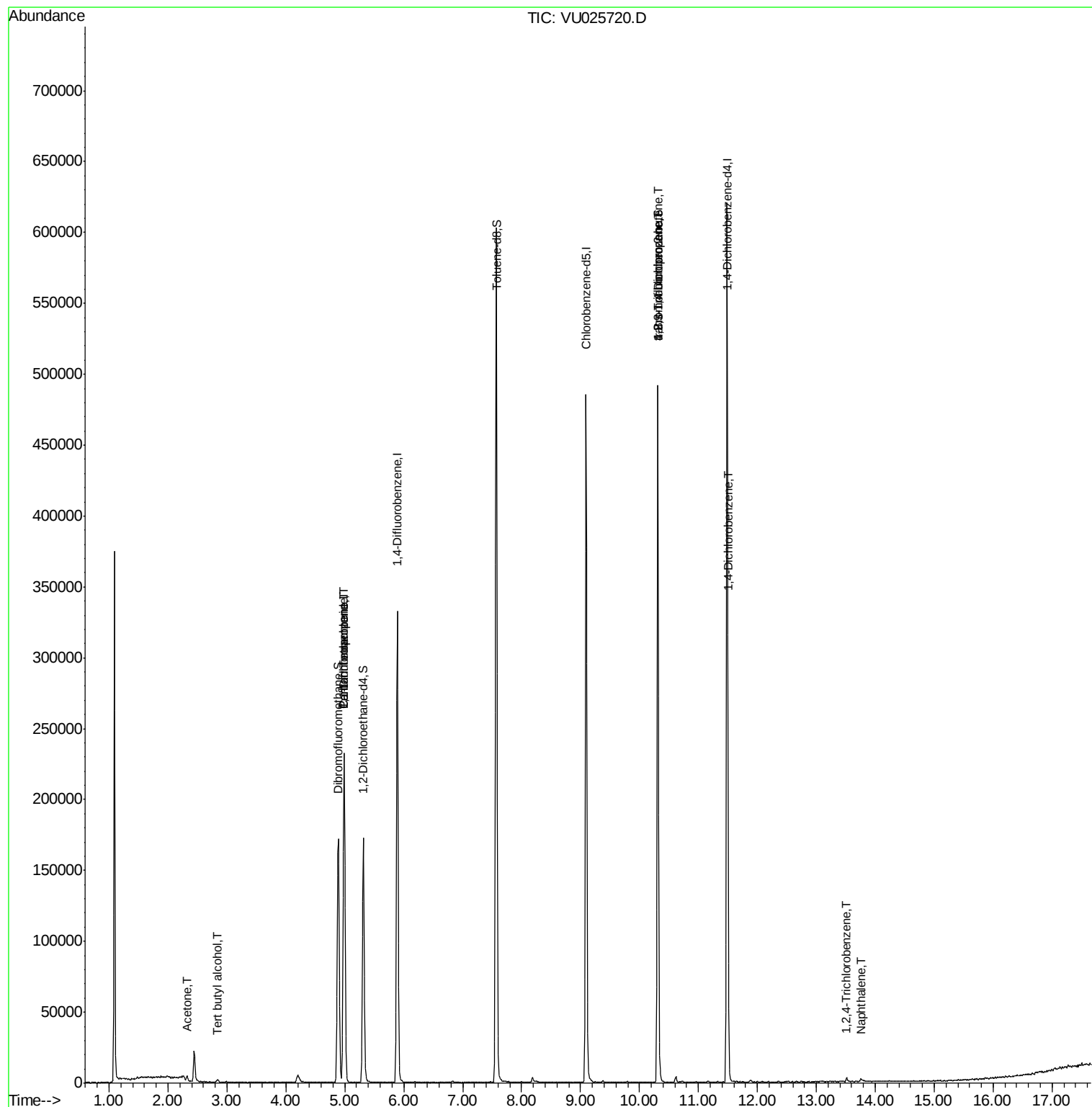
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	1244	2.03	ug/l	# 73
13) Acrolein	2.12	56	40	Below	Cal	# 1
16) Acetone	2.33	43	3608	2.64	ug/l	96
31) Cyclohexane	4.99	56	3274	Below	Cal	# 1
36) 1,1-Dichloropropene	4.99	75	12747	3.85	ug/l	# 51
38) Carbon Tetrachloride	4.99	117	17491	4.66	ug/l	# 16
76) 1,2,3-Trichloropropane	10.31	75	82334	22.69	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	10.31	75	82334	61.50	ug/l	# 100
88) 1,4-Dichlorobenzene	11.51	146	1746	0.29	ug/l	# 46
93) 1,2,4-Trichlorobenzene	13.52	180	1457	0.38	ug/l	# 88
95) Naphthalene	13.75	128	2664	1.46	ug/l	# 82

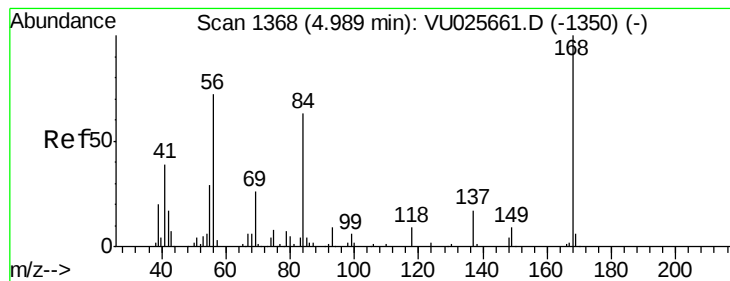
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 28 02:19:50 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: VU025720.D

Acq: 30 Jul 2018 14:17

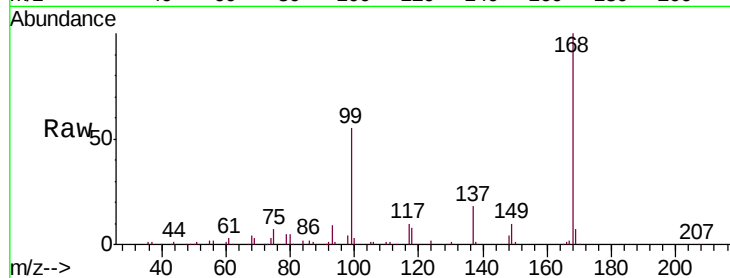
Instrument :
MSVOA_U
ClientSampleId :
TP-12

Tot Ion:168 Resp: 179939

Ion Ratio Lower Upper

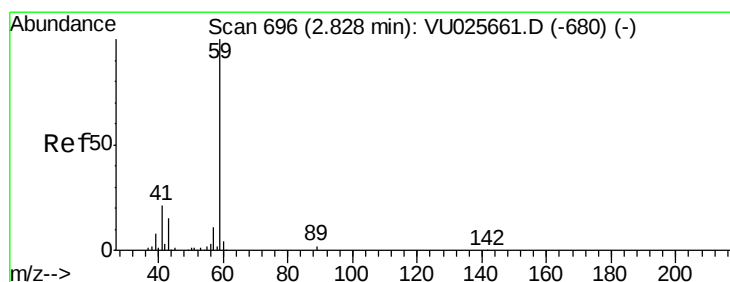
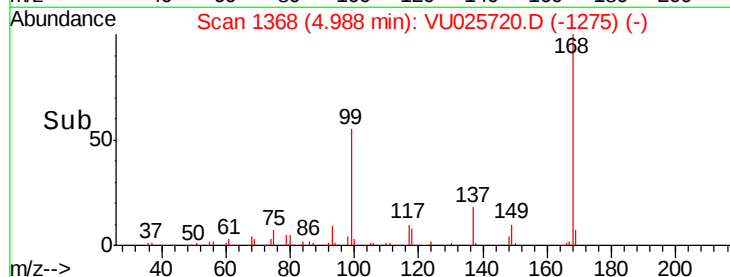
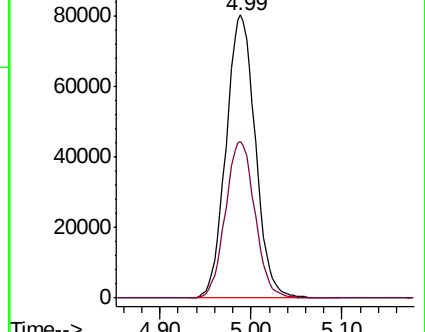
168 100

99 55.5 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: 2.03 ug/l

RT: 2.84 min Scan# 700

Delta R.T. 0.01 min

Lab File: VU025720.D

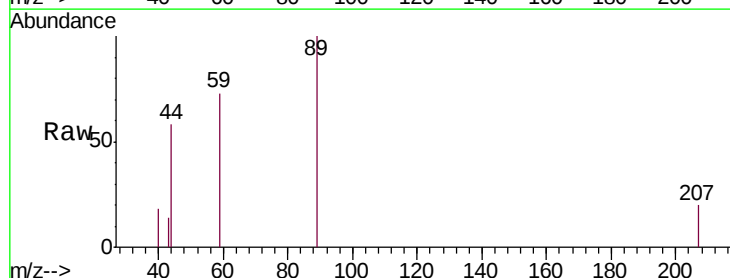
Acq: 30 Jul 2018 14:17

Tgt Ion: 59 Resp: 1244

Ion Ratio Lower Upper

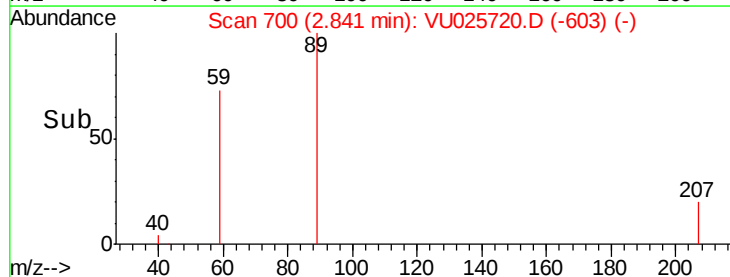
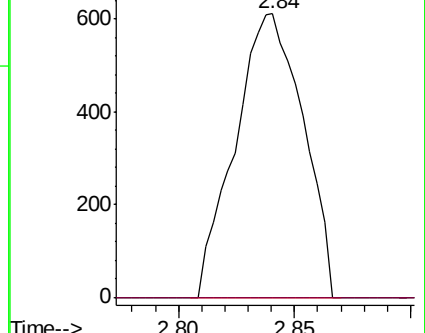
59 100

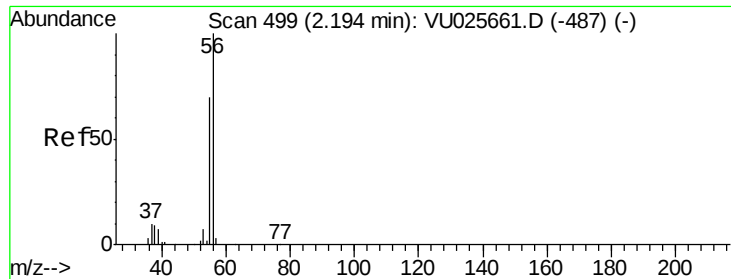
57 0.0 8.2 12.2#



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

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





#13

Acrolein

Concen: Below Cal

RT: 2.12 min Scan# 475

Delta R.T. -0.08 min

Lab File: VU025720.D

Acq: 30 Jul 2018 14:17

Instrument :

MSVOA_U

ClientSampled :

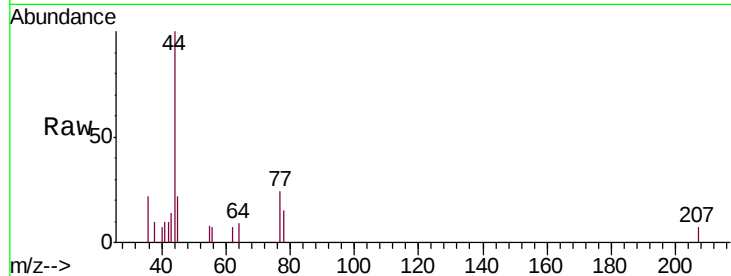
TP-12

Tot Ion: 56 Resp: 40

Ion Ratio Lower Upper

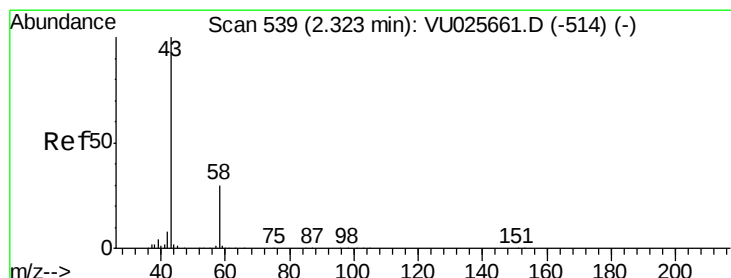
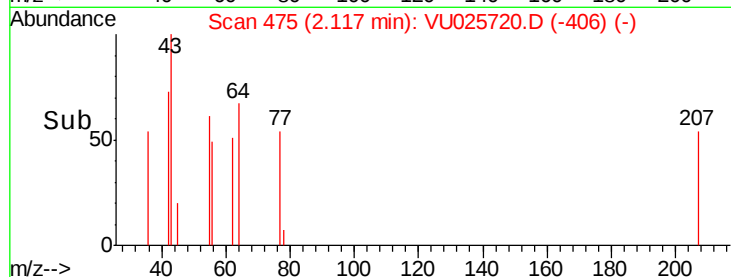
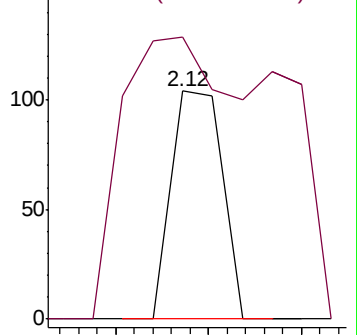
56 100

55 377.5 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: 2.64 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025720.D

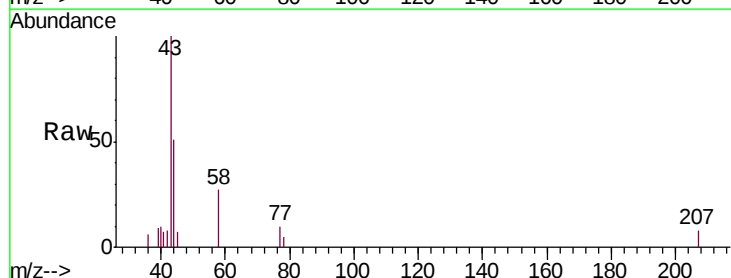
Acq: 30 Jul 2018 14:17

Tgt Ion: 43 Resp: 3608

Ion Ratio Lower Upper

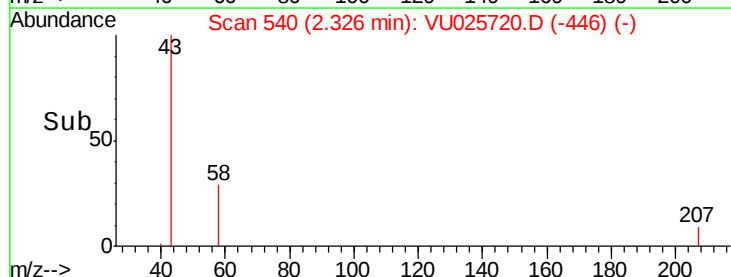
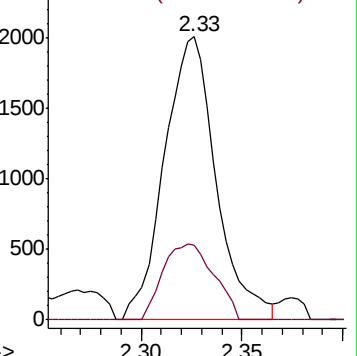
43 100

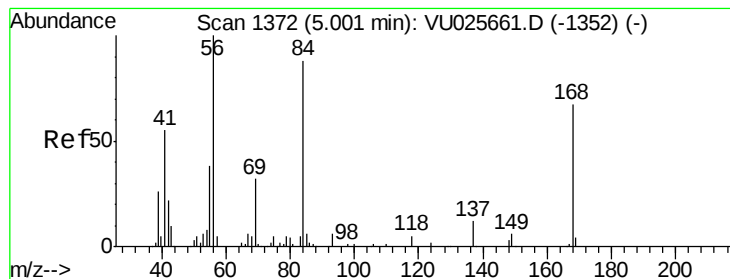
58 26.6 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025720.D

Acq: 30 Jul 2018 14:17

Instrument :

MSVOA_U

ClientSampleId :

TP-12

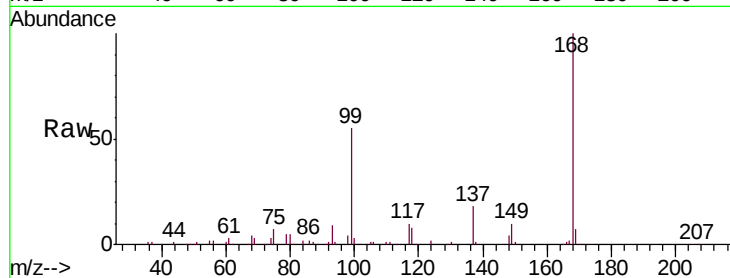
Tot Ion: 56 Resp: 3274

Ion Ratio Lower Upper

56 100

69 180.4 26.8 40.2#

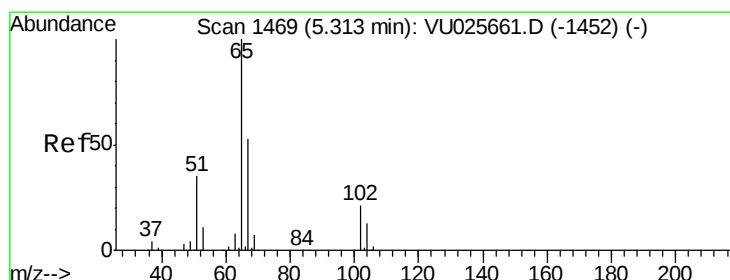
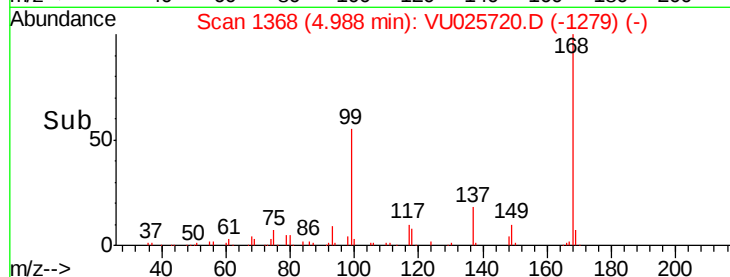
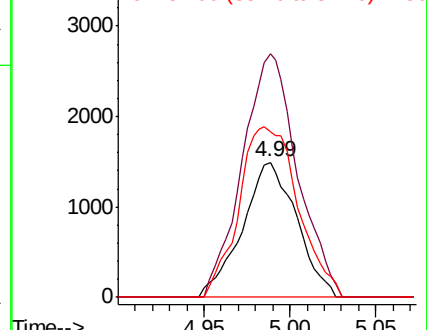
84 122.8 69.7 104.5#



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: 49.67 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025720.D

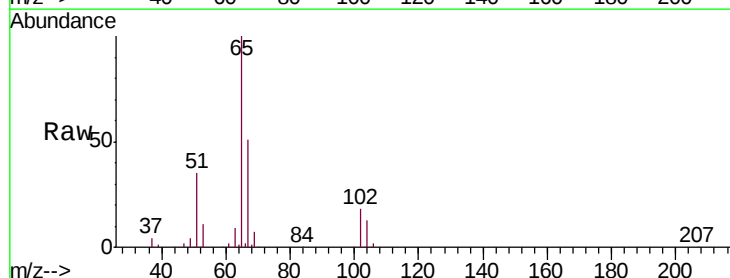
Acq: 30 Jul 2018 14:17

Tgt Ion: 65 Resp: 139246

Ion Ratio Lower Upper

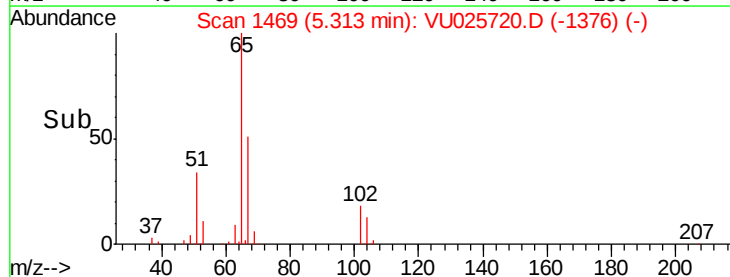
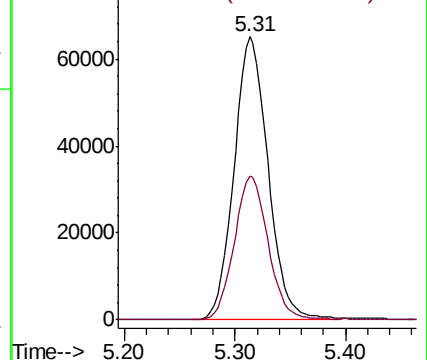
65 100

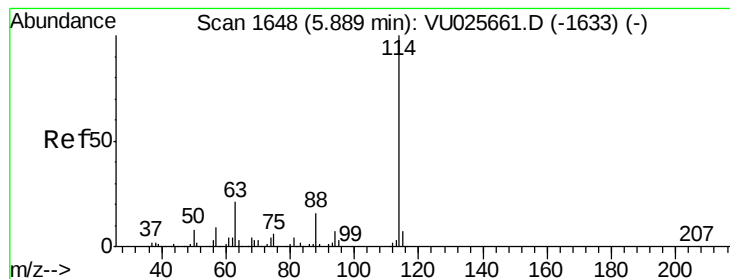
67 50.6 0.0 103.6



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: VU025720.D

Acq: 30 Jul 2018 14:17

Instrument :

MSVOA_U

ClientSampleId :

TP-12

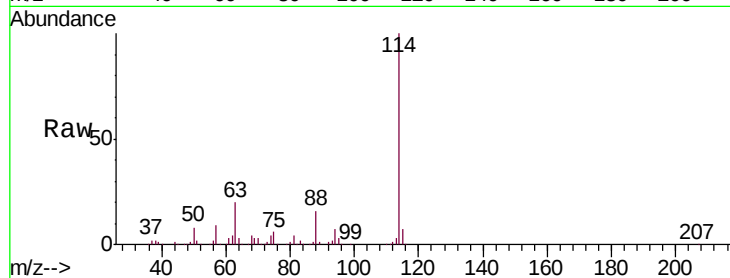
Tot Ion:114 Resp: 283597

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

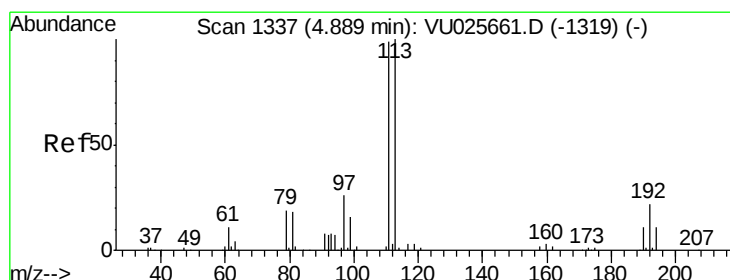
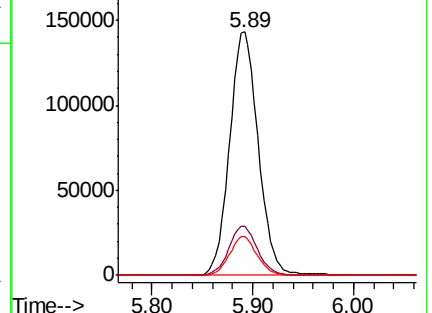
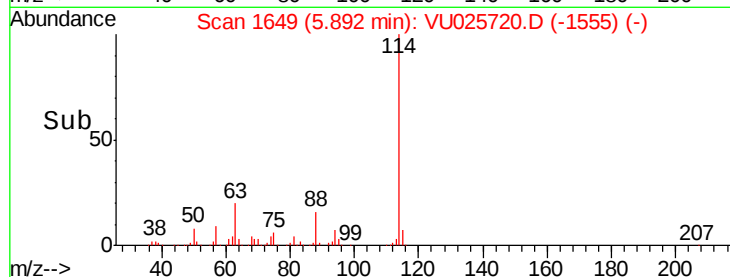
88 16.1 0.0 32.4



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: 48.77 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025720.D

Acq: 30 Jul 2018 14:17

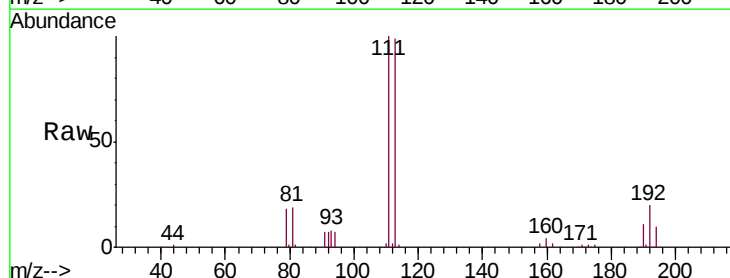
Tgt Ion:113 Resp: 120297

Ion Ratio Lower Upper

113 100

111 101.4 81.7 122.5

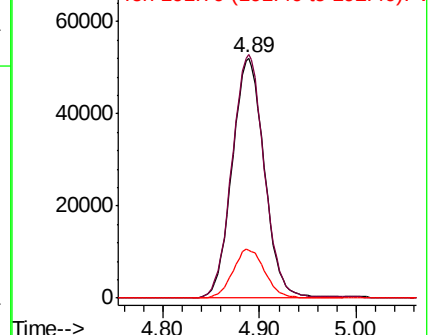
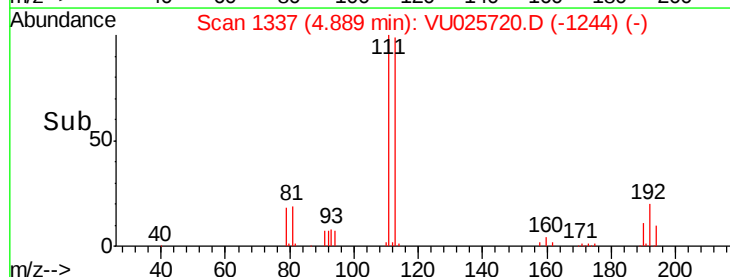
192 20.2 17.1 25.7

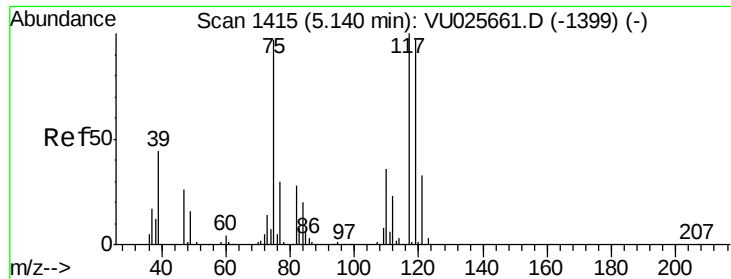


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

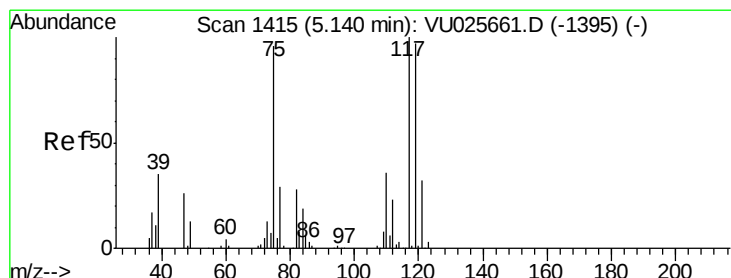
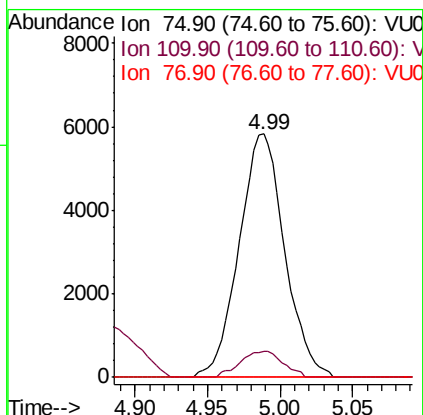
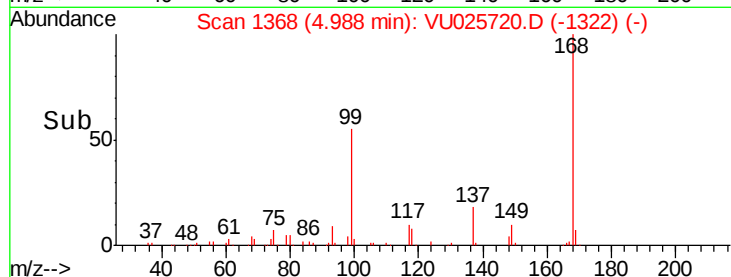
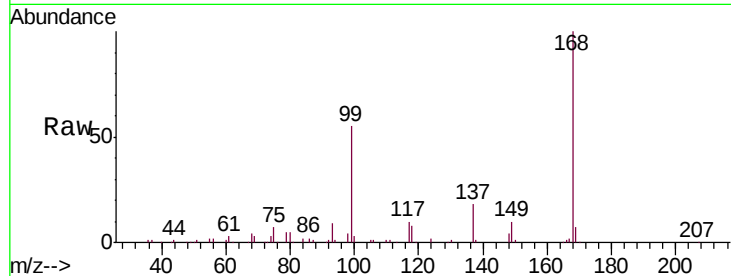




#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025720.D
 Acq: 30 Jul 2018 14:17

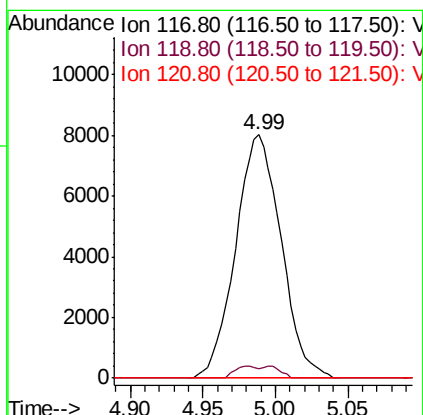
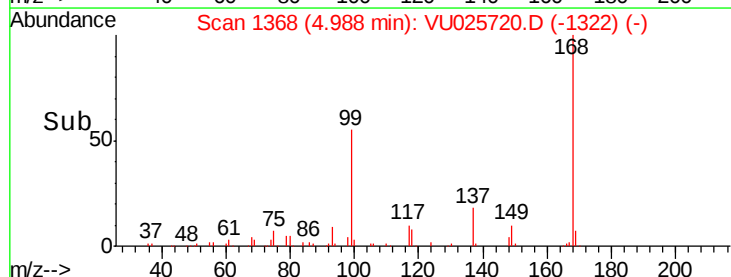
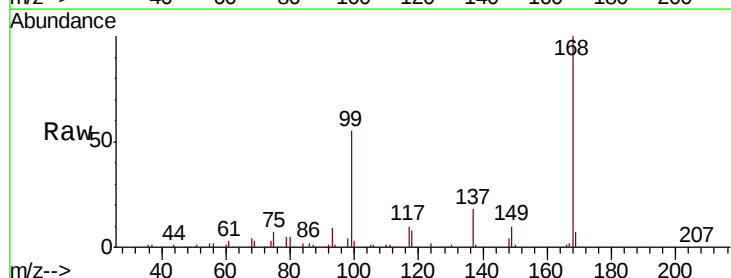
Instrument :
 MSVOA_U
 ClientSampled :
 TP-12

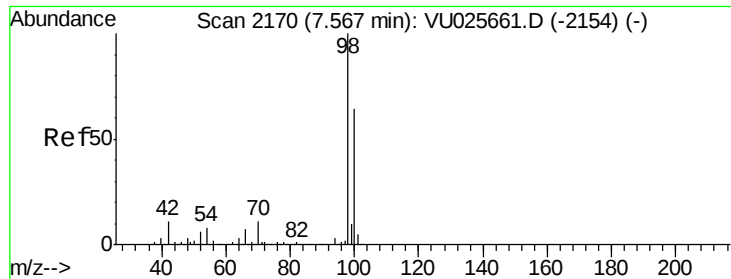
Tot Ion	75	110	77	Resp	Lower	Upper
12747	100	10.0	0.0		17.6	52.9#
					24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.66 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025720.D
 Acq: 30 Jul 2018 14:17

Tgt Ion	117	119	121	Resp	Lower	Upper
17491	100	3.8	0.0		75.7	113.5#
					24.6	36.8#

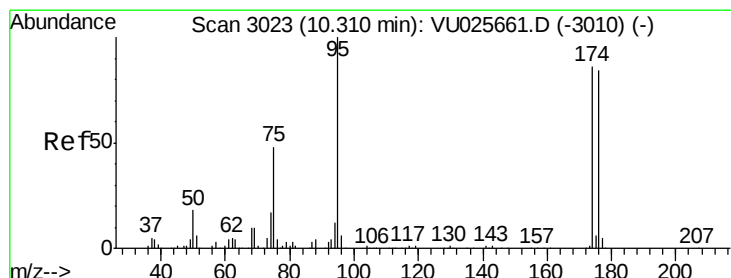
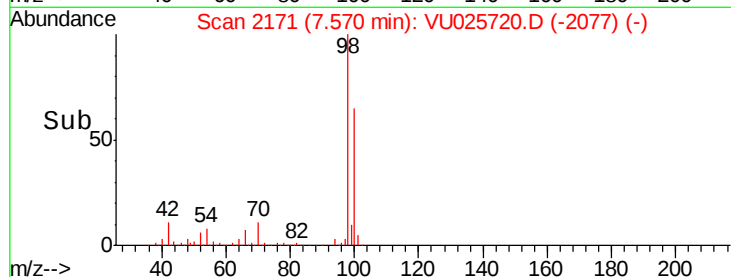
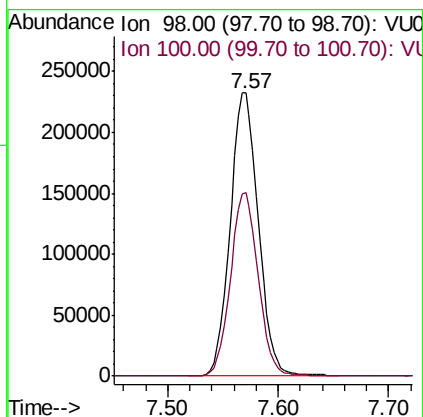
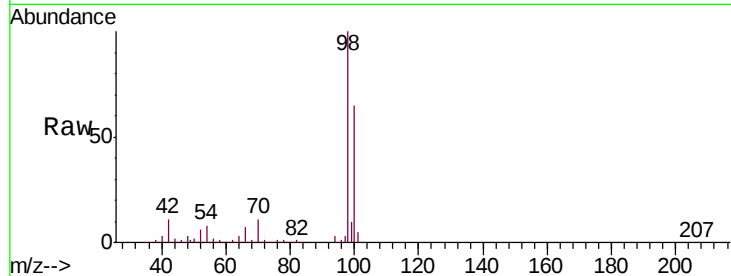




#50
Toluene-d8
Concen: 47.68 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025720.D
Acq: 30 Jul 2018 14:17

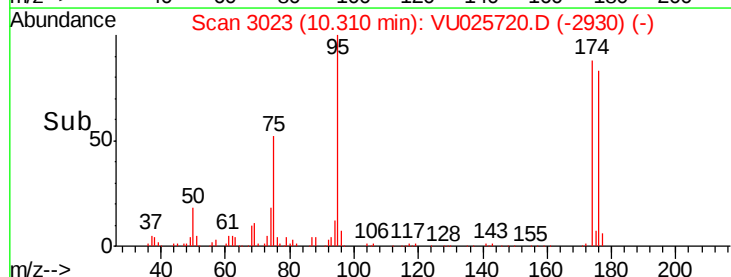
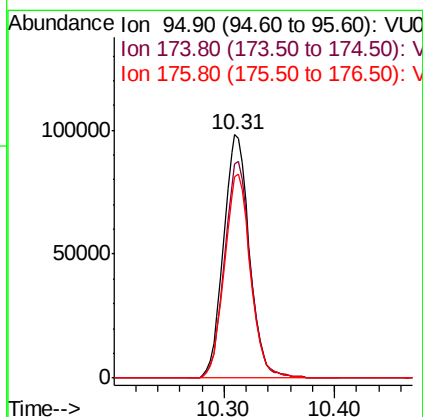
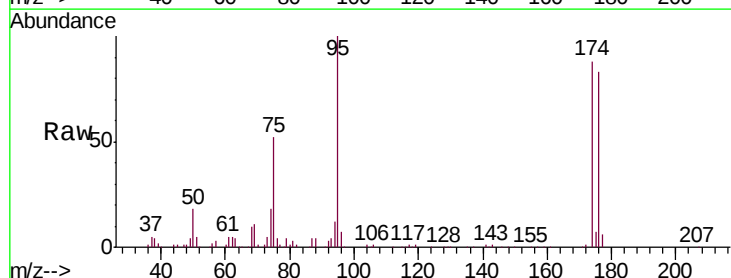
Instrument :
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ClientSampleId :
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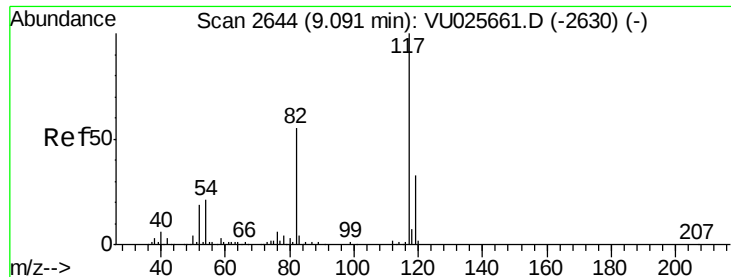
Tot Ion: 98 Resp: 411524
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 47.93 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025720.D
Acq: 30 Jul 2018 14:17

Tgt Ion: 95 Resp: 160562
Ion Ratio Lower Upper
95 100
174 88.5 0.0 172.2
176 84.2 0.0 162.6

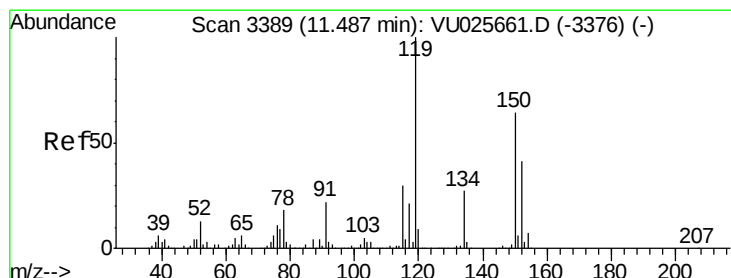
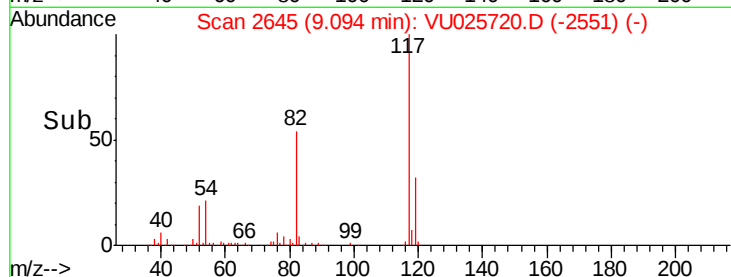
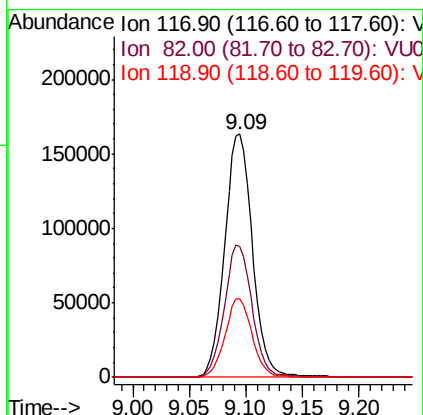
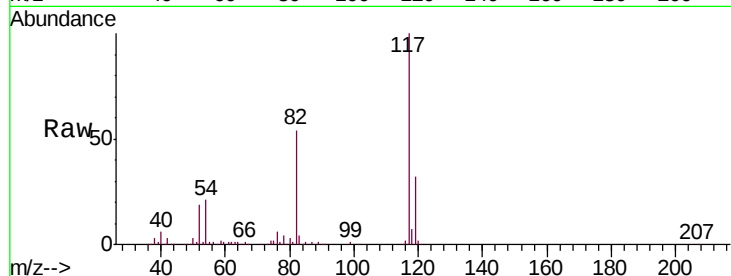




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025720.D
Acq: 30 Jul 2018 14:17

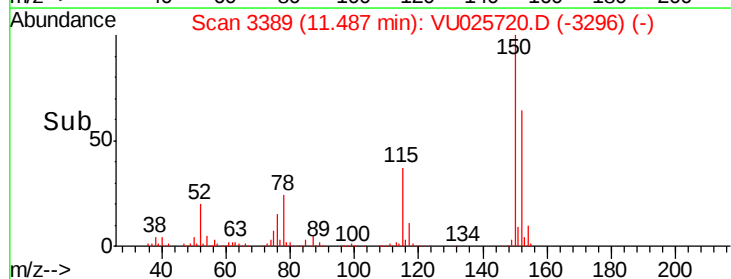
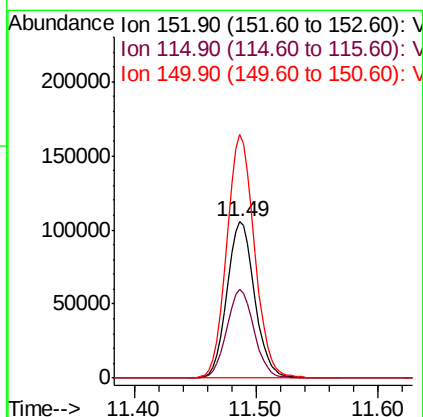
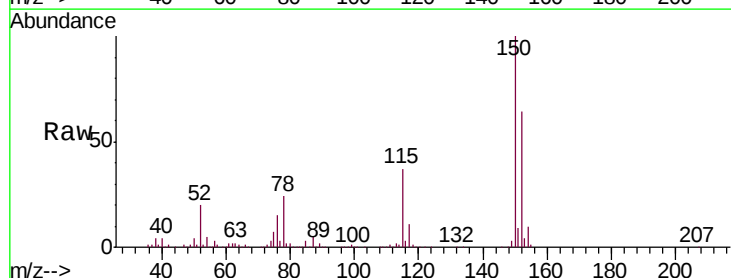
Instrument :
MSVOA_U
ClientSampleId :
TP-12

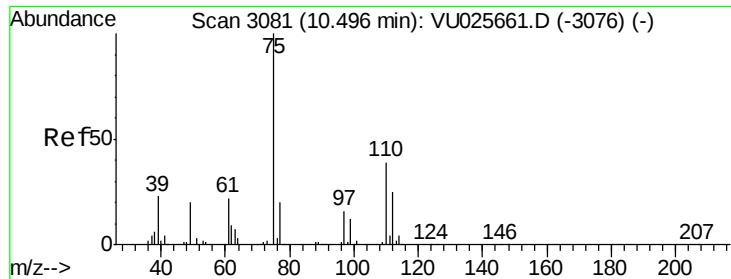
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	46.0	69.0
119	32.1	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025720.D
Acq: 30 Jul 2018 14:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	40.1	120.3
150	156.4	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 22.69 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025720.D

Acq: 30 Jul 2018 14:17

Instrument :

MSVOA_U

ClientSampleId :

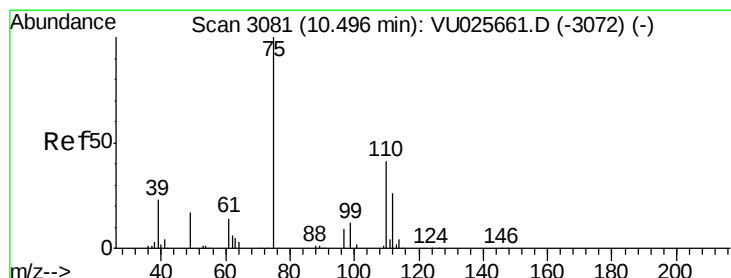
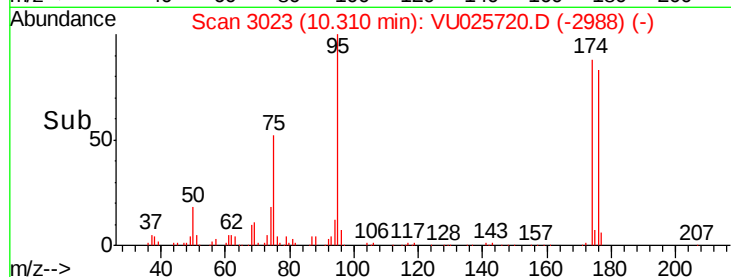
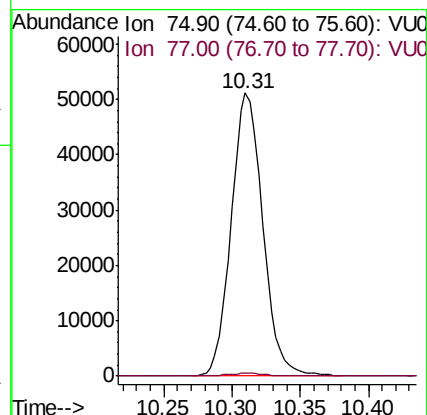
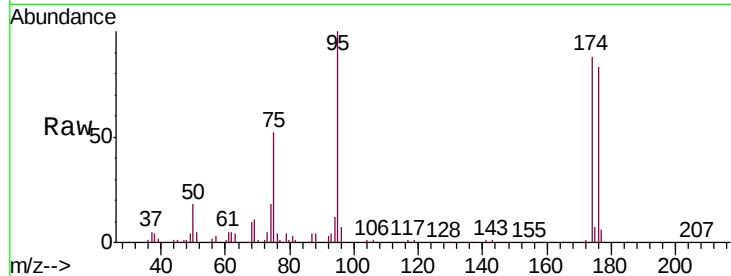
TP-12

Tot Ion: 75 Resp: 82334

Ion Ratio Lower Upper

75 100

77 1.1 20.4 61.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.50 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025720.D

Acq: 30 Jul 2018 14:17

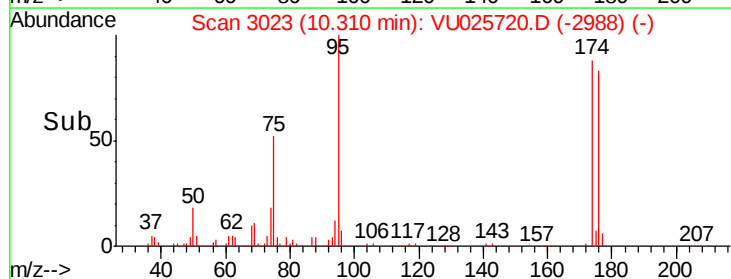
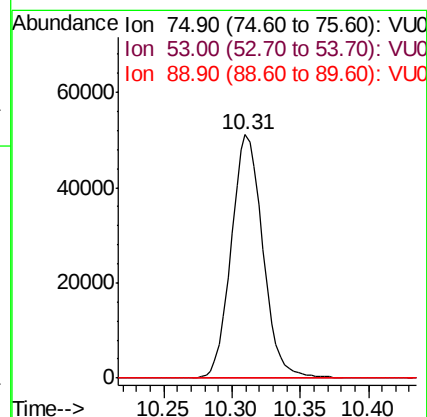
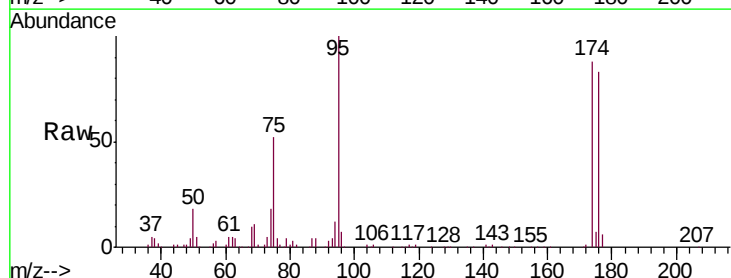
Tgt Ion: 75 Resp: 82334

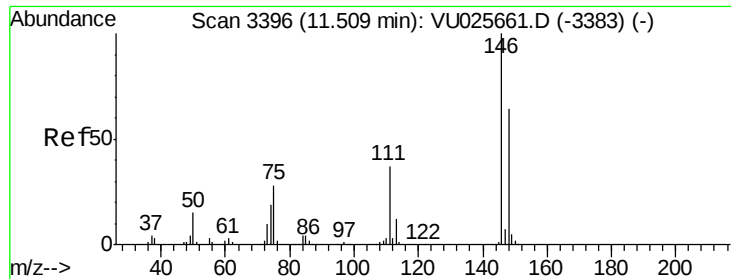
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0#





#88

1,4-Dichlorobenzene

Concen: 0.29 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025720.D

Acq: 30 Jul 2018 14:17

Instrument :

MSVOA_U

ClientSampleId :

TP-12

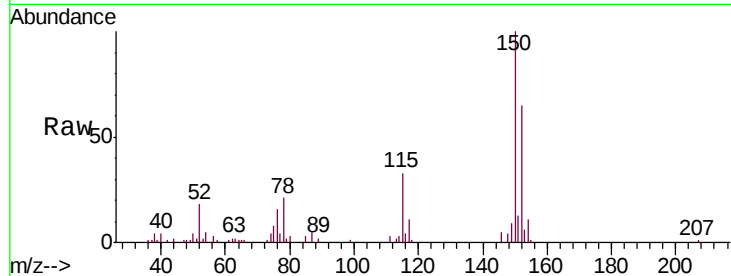
Tot Ion:146 Resp: 1746

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.1#

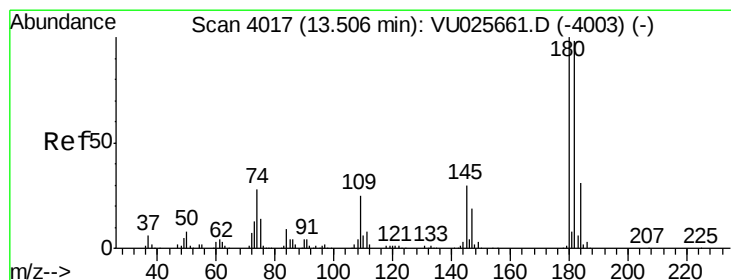
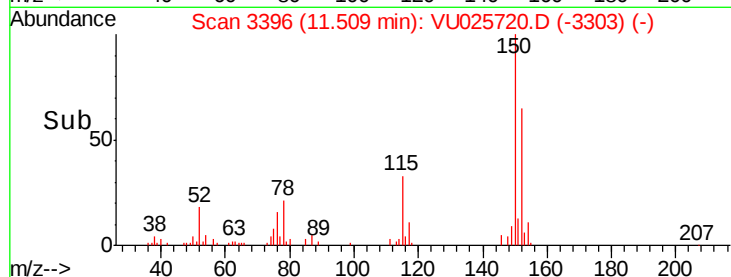
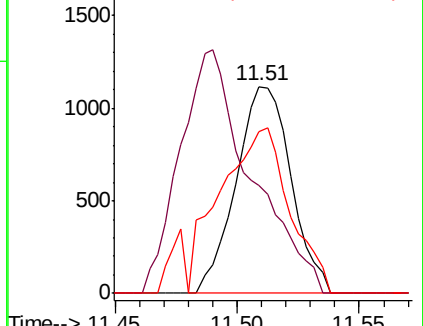
148 101.0 31.7 95.1#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 0.38 ug/l

RT: 13.52 min Scan# 4020

Delta R.T. 0.01 min

Lab File: VU025720.D

Acq: 30 Jul 2018 14:17

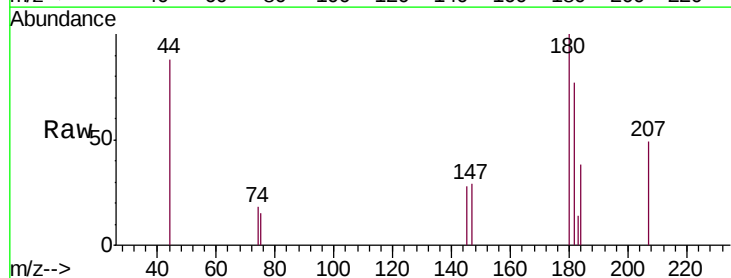
Tgt Ion:180 Resp: 1457

Ion Ratio Lower Upper

180 100

182 80.9 47.3 141.9

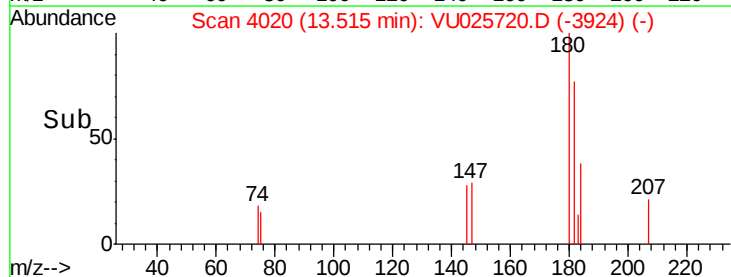
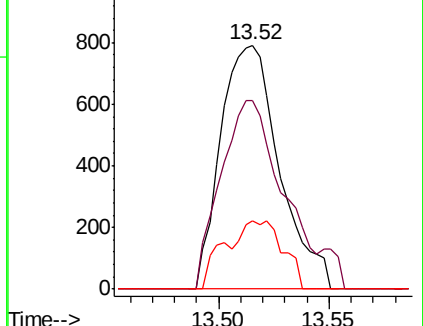
145 27.5 14.9 44.7

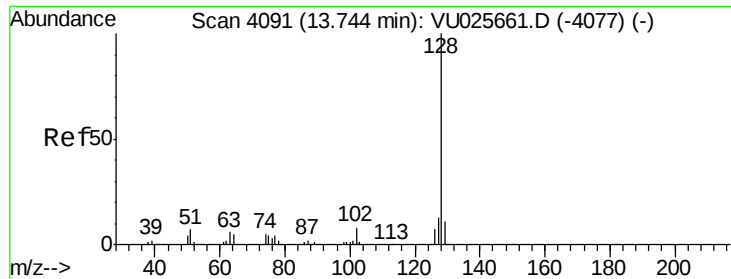


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.46 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU025720.D

Acq: 30 Jul 2018 14:17

Instrument :

MSVOA_U

ClientSampleId :

TP-12

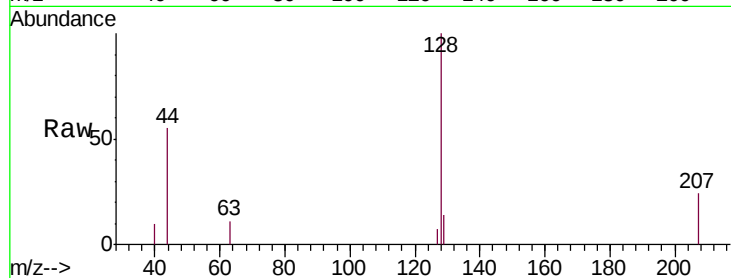
Tot Ion:128 Resp: 2664

Ion Ratio Lower Upper

128 100

127 3.2 10.5 15.7#

129 6.6 8.3 12.5#



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

