

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025170.D
 Acq On : 03 Jul 2018 03:25
 Operator : MD/SY
 Sample : J3809-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-7-062818

Quant Time: Jul 03 07:06:36 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	196473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	294745	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	272434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	143207	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	149735	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
35) Dibromofluoromethane	4.89	113	115181	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
50) Toluene-d8	7.57	98	425035	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
62) 4-Bromofluorobenzene	10.31	95	157766	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	

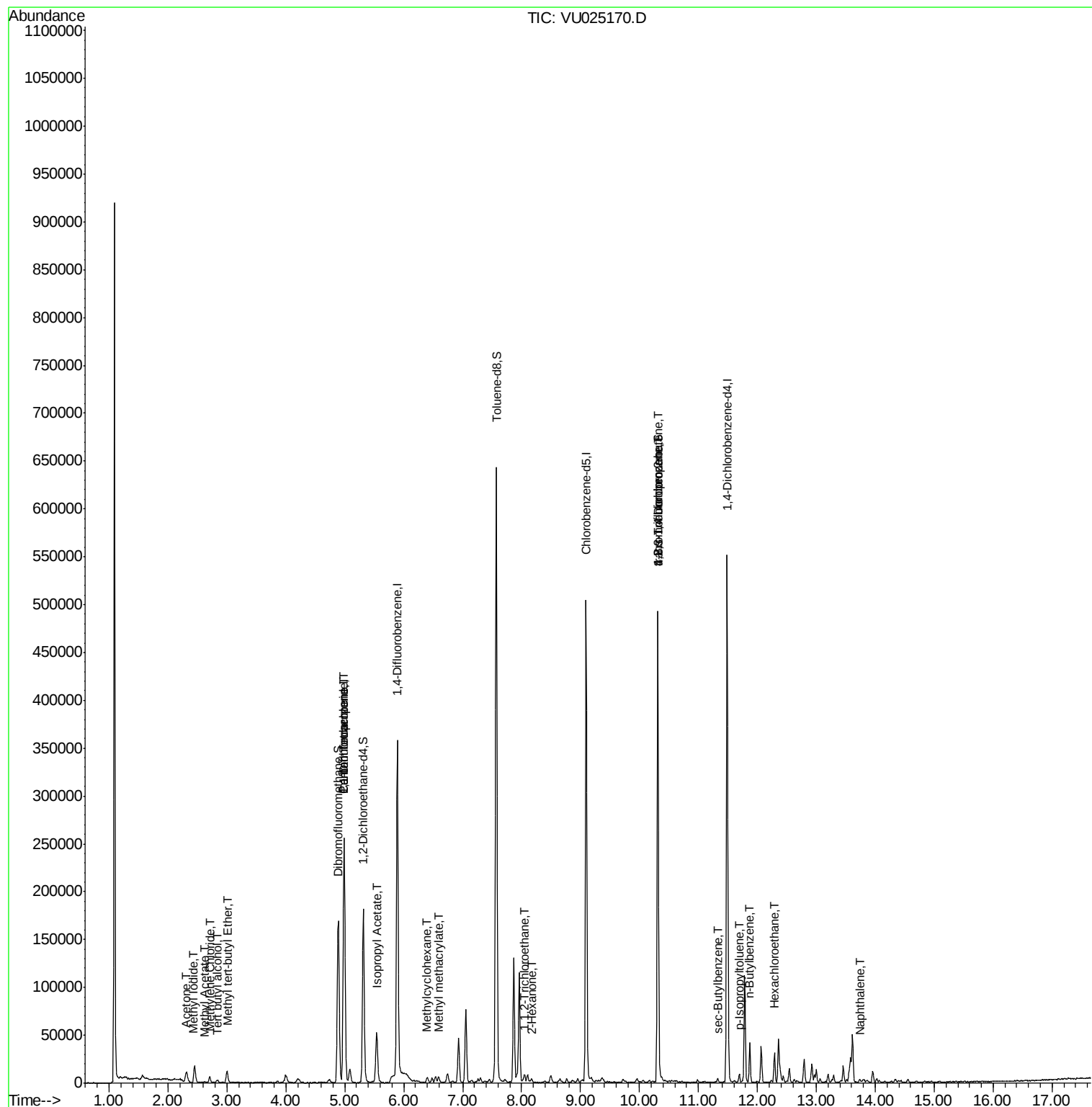
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.67	64	21	Below Cal	#	43
10) Methyl Iodide	2.42	142	65	5.317	ug/l #	40
11) Tert butyl alcohol	2.83	59	2253	2.888	ug/l #	94
16) Acetone	2.32	43	10340	6.000	ug/l	90
18) Methyl Acetate	2.62	43	1334	0.361	ug/l #	64
19) Methyl tert-butyl Ether	3.00	73	12644	1.504	ug/l	98
20) Methylene Chloride	2.70	84	1408	0.521	ug/l #	84
31) Cyclohexane	4.99	56	3810	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14932	4.311	ug/l #	50
38) Carbon Tetrachloride	4.99	117	19137	5.025	ug/l #	16
39) Methylcyclohexane	6.40	83	1211	0.280	ug/l #	55
43) Isopropyl Acetate	5.54	43	11752	1.801	ug/l #	62
48) Methyl methacrylate	6.60	41	1896	0.597	ug/l #	36
55) 1,1,2-Trichloroethane	8.05	97	3456	1.339	ug/l #	17
59) 2-Hexanone	8.17	43	2114	0.632	ug/l	68
76) 1,2,3-Trichloropropane	10.31	75	81988	26.004	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	81988	60.184	ug/l #	100
85) sec-Butylbenzene	11.33	105	2403	0.209	ug/l	80
86) p-Isopropyltoluene	11.69	119	4475	0.435	ug/l	92
89) n-Butylbenzene	11.87	91	5059	0.554	ug/l #	1
90) Hexachloroethane	12.29	117	11962	5.967	ug/l #	8
95) Naphthalene	13.74	128	975	0.771	ug/l #	42

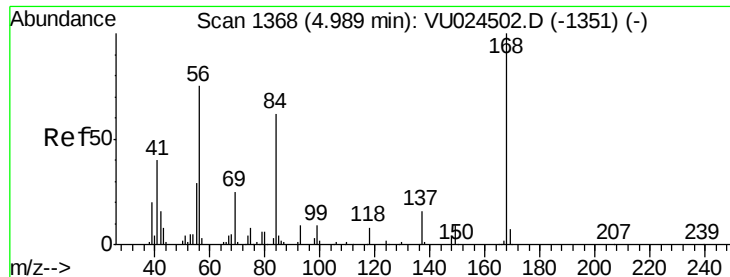
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025170.D

Acq: 03 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

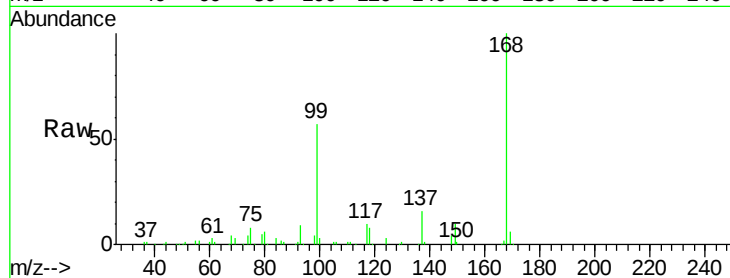
MW-7-062818

Tot Ion:168 Resp: 196473

Ion Ratio Lower Upper

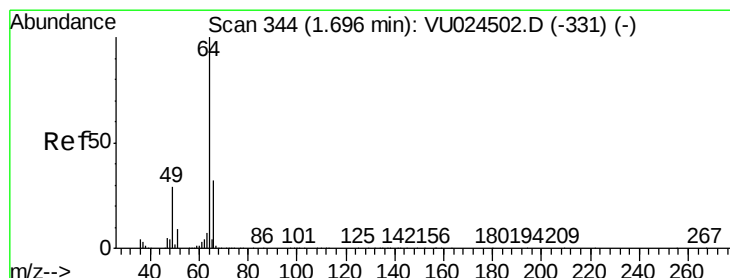
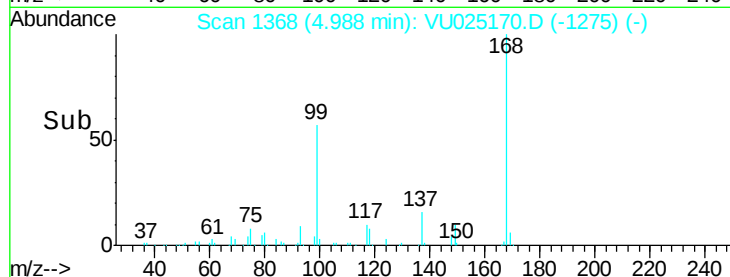
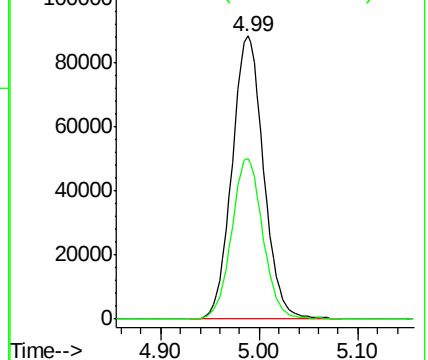
168 100

99 56.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 336

Delta R.T. -0.03 min

Lab File: VU025170.D

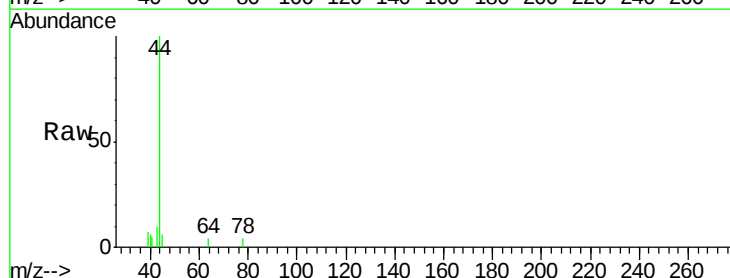
Acq: 03 Jul 2018 03:25

Tgt Ion: 64 Resp: 21

Ion Ratio Lower Upper

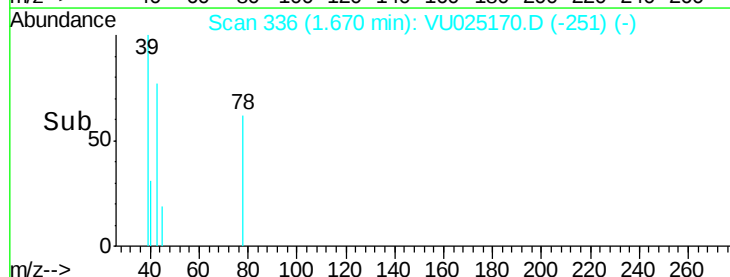
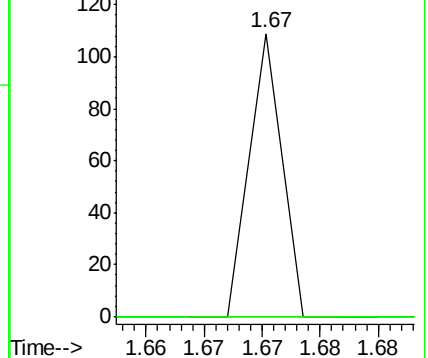
64 100

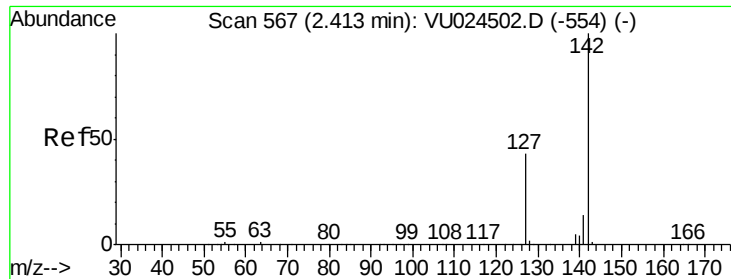
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

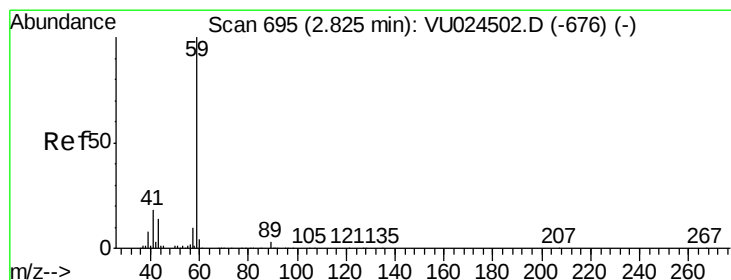
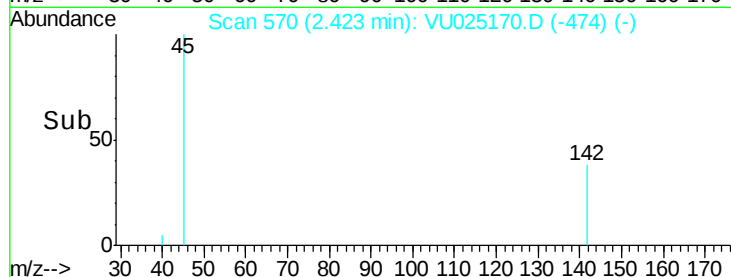
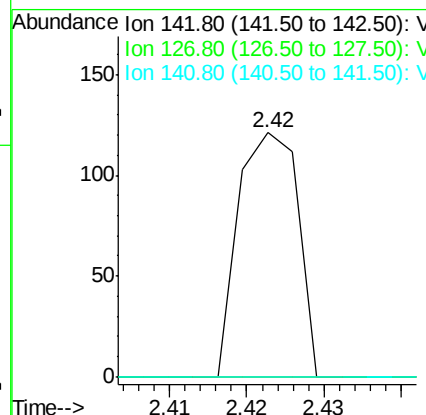
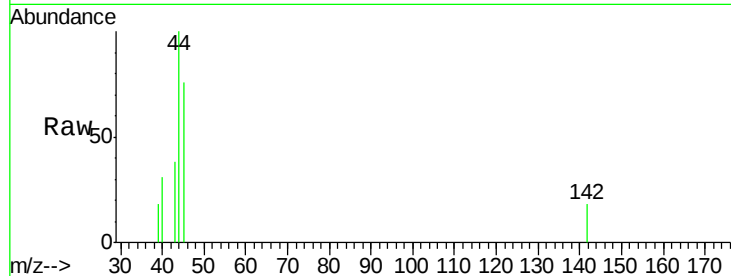




#10
Methvl Iodide
Concen: 5.317 ug/l
RT: 2.42 min Scan# 570
Delta R.T. 0.01 min
Lab File: VU025170.D
Acq: 03 Jul 2018 03:25

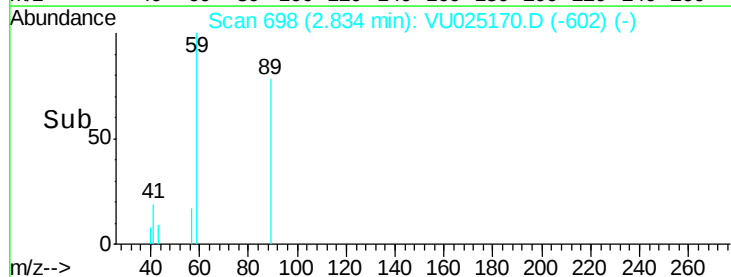
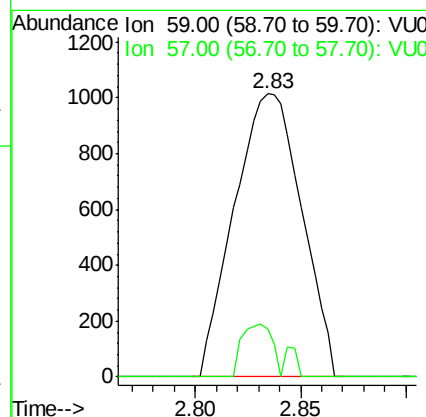
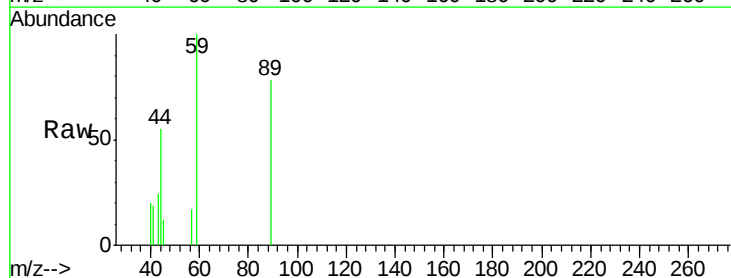
Instrument :
MSVOA_U
ClientSampleId :
MW-7-062818

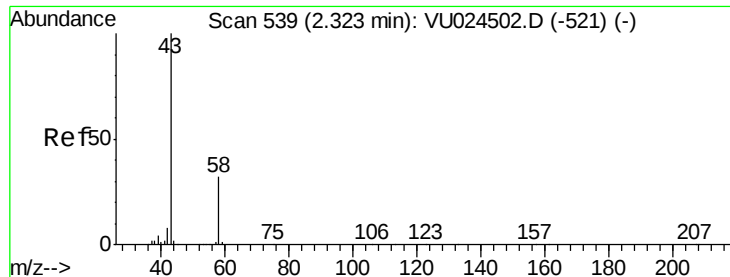
Tot Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 2.888 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025170.D
Acq: 03 Jul 2018 03:25

Tgt Ion: 59 Resp: 2253
Ion Ratio Lower Upper
59 100
57 8.3 8.5 12.7#





#16

Acetone

Concen: 6.000 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025170.D

Acq: 03 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

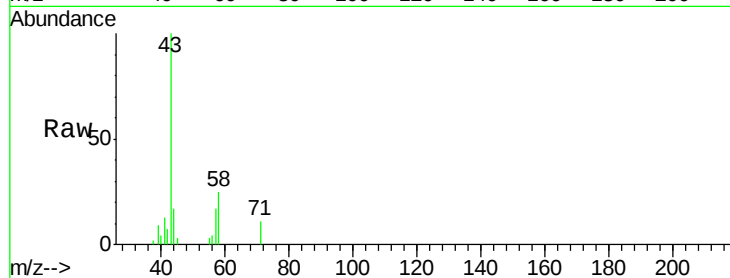
MW-7-062818

Tot Ion: 43 Resp: 10340

Ion Ratio Lower Upper

43 100

58 25.2 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

5000

4000

3000

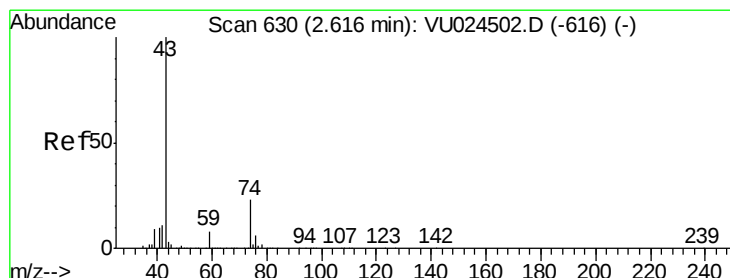
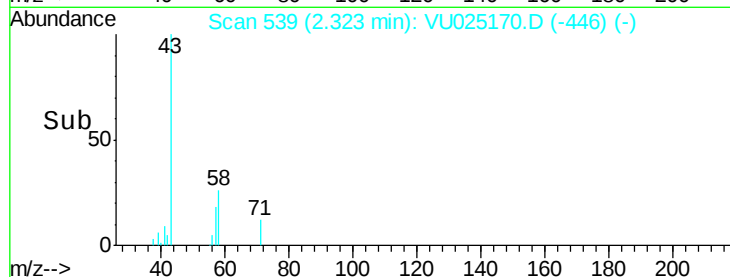
2000

1000

0

Time-->

2.25 2.30 2.35



#18

Methyl Acetate

Concen: 0.361 ug/l

RT: 2.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU025170.D

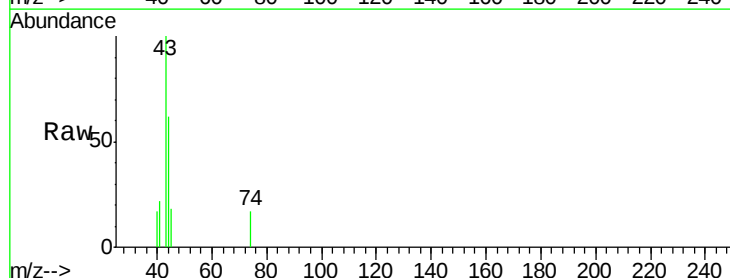
Acq: 03 Jul 2018 03:25

Tgt Ion: 43 Resp: 1334

Ion Ratio Lower Upper

43 100

74 5.2 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

800

600

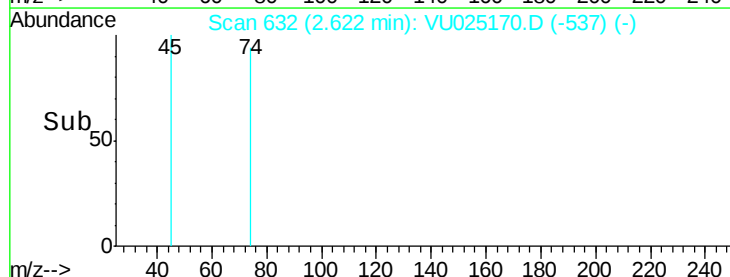
400

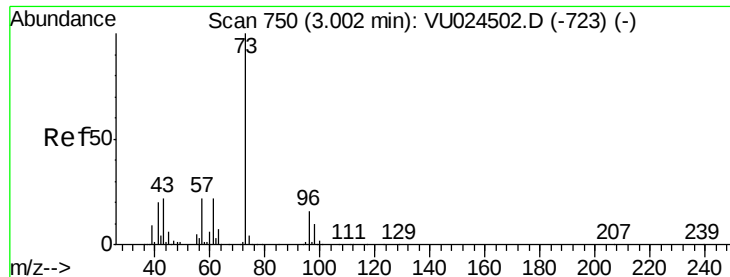
200

0

Time-->

2.60 2.65



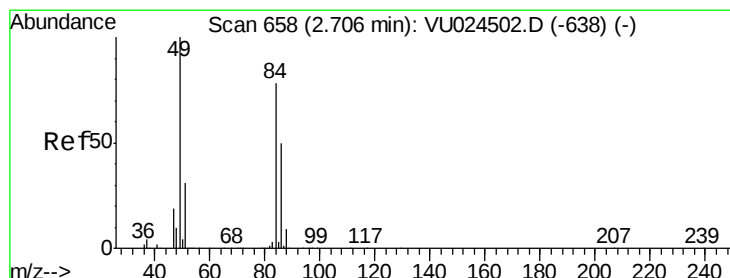
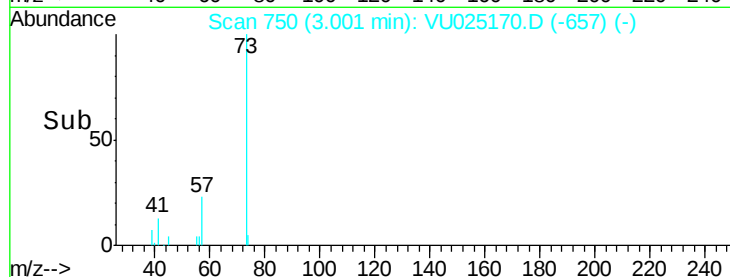
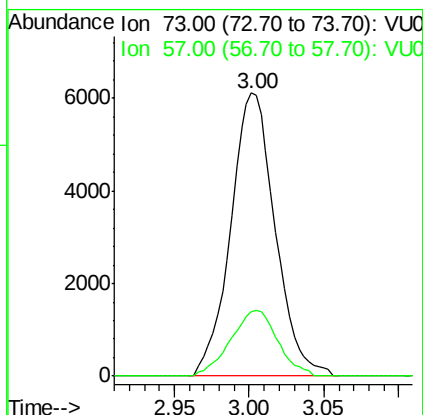
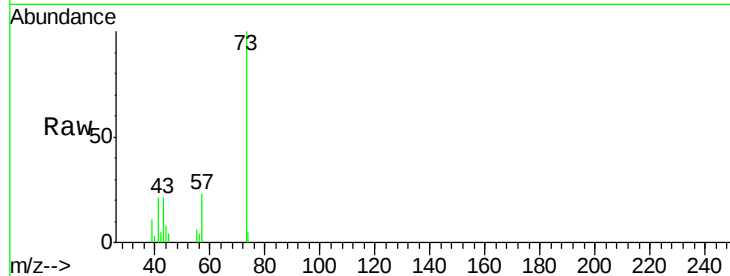


#19

Methyl tert-butyl Ether
 Concen: 1.504 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU025170.D
 Acq: 03 Jul 2018 03:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-7-062818

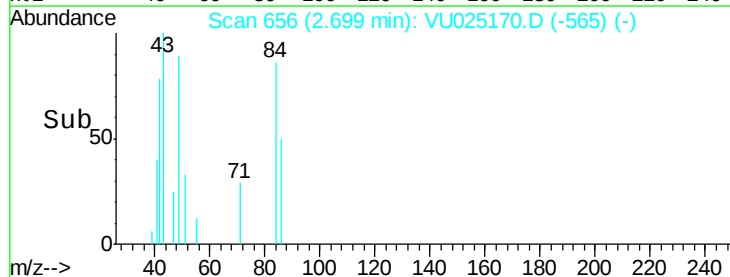
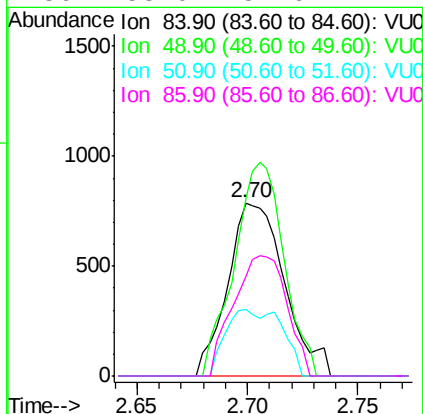
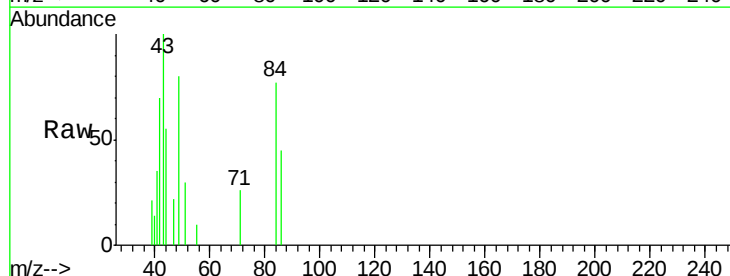
Tot Ion: 73 Resp: 12644
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.8 28.2

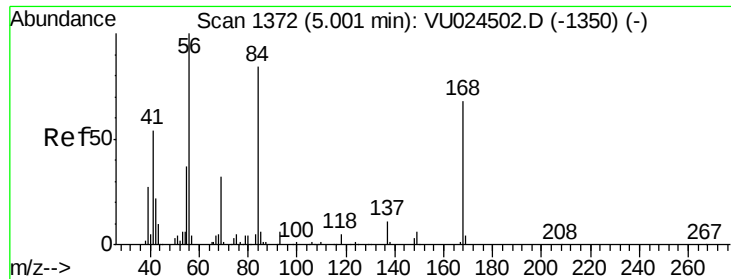


#20

Methylene Chloride
 Concen: 0.521 ug/l
 RT: 2.70 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VU025170.D
 Acq: 03 Jul 2018 03:25

Tgt Ion: 84 Resp: 1408
 Ion Ratio Lower Upper
 84 100
 49 102.9 103.8 155.8#
 51 38.3 32.0 48.0
 86 58.0 51.6 77.4

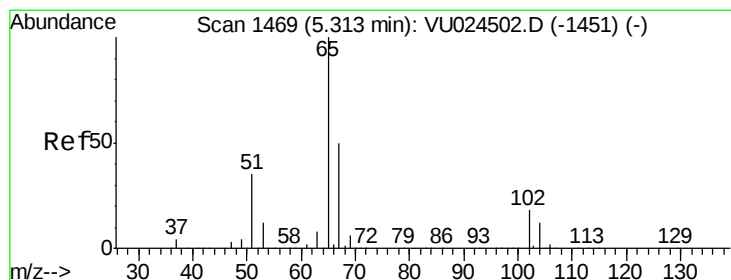
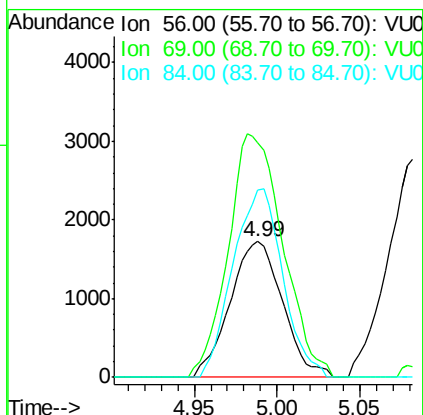
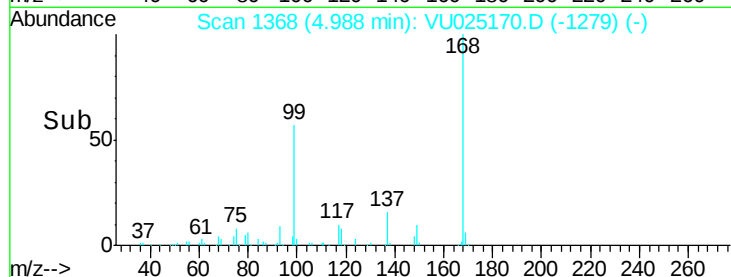
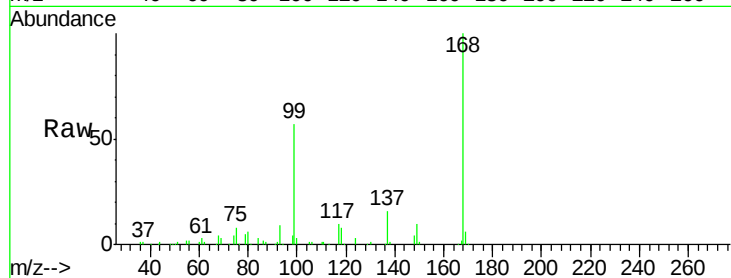




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025170.D
Acq: 03 Jul 2018 03:25

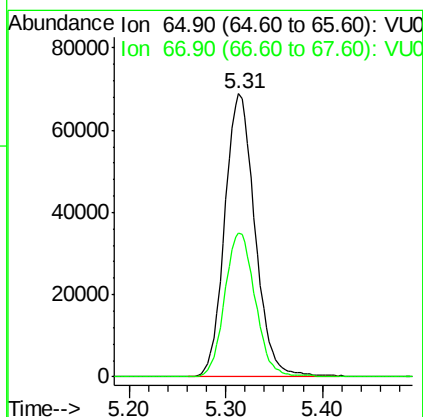
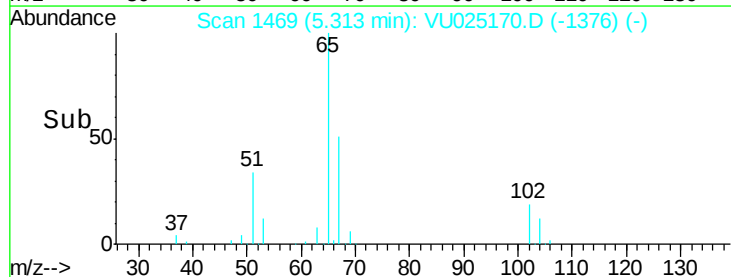
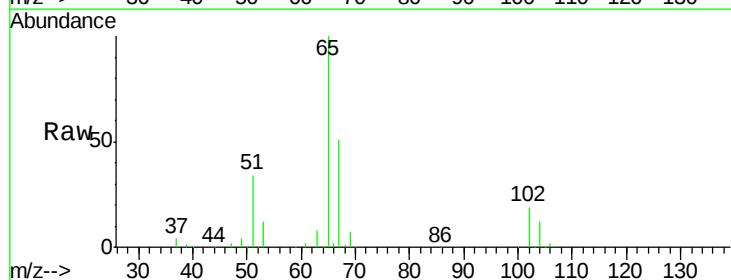
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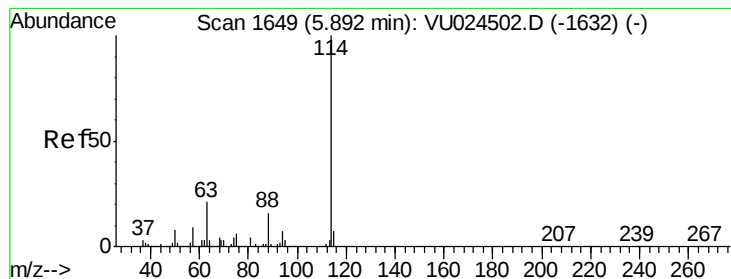
Tot Ion: 56 Resp: 3810
Ion Ratio Lower Upper
56 100
69 172.9 24.8 37.2#
84 137.8 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.683 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025170.D
Acq: 03 Jul 2018 03:25

Tgt Ion: 65 Resp: 149735
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025170.D

Acq: 03 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

MW-7-062818

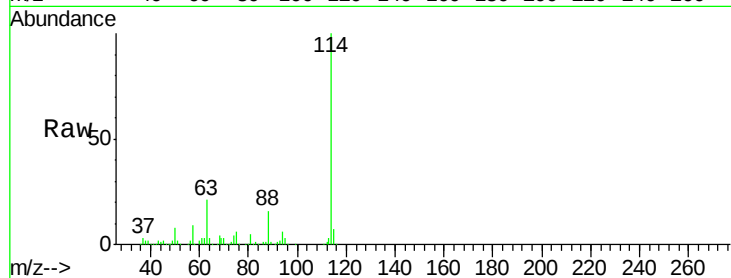
Tot Ion:114 Resp: 294745

Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.4

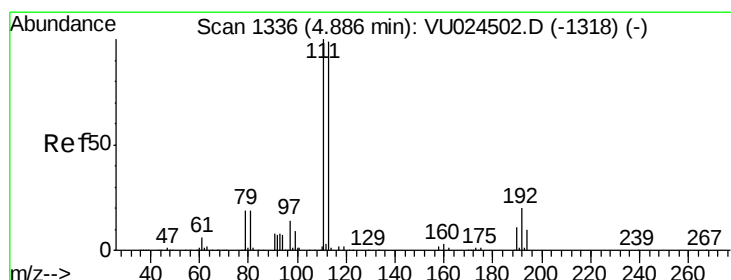
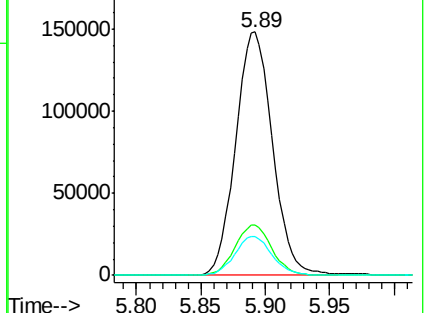
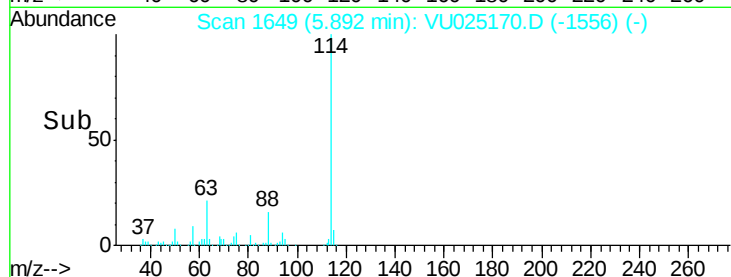
88 15.9 0.0 31.0



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: 47.087 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025170.D

Acq: 03 Jul 2018 03:25

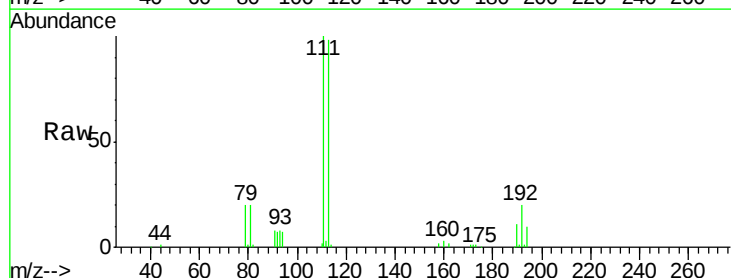
Tgt Ion:113 Resp: 115181

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

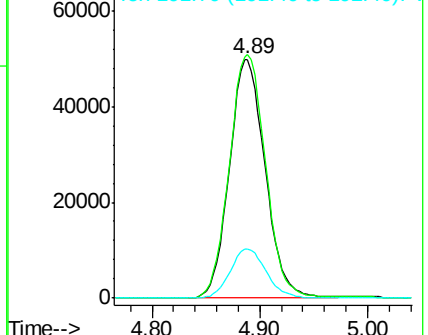
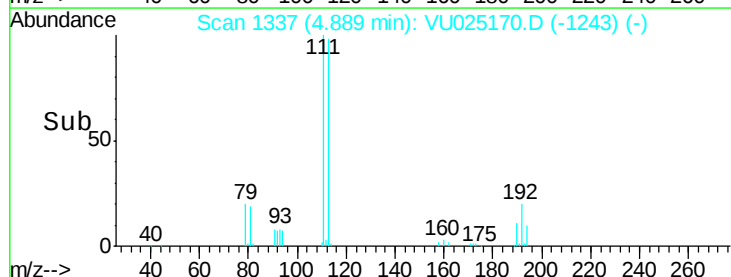
192 20.7 16.2 24.4

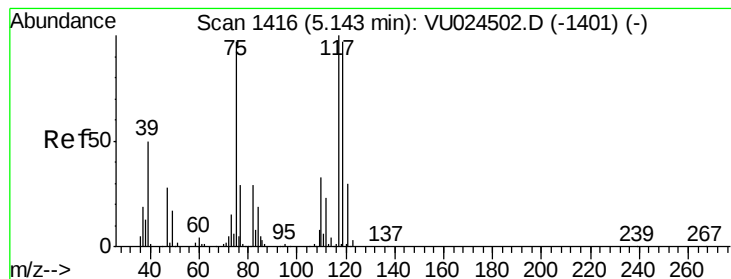


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.311 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025170.D

Acq: 03 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

MW-7-062818

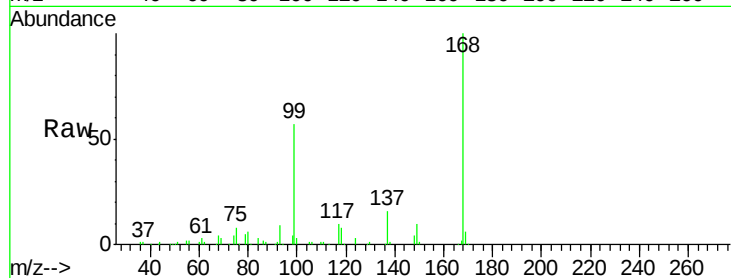
Tot Ion: 75 Resp: 14932

Ion Ratio Lower Upper

75 100

110 8.2 17.0 50.9#

77 0.0 24.2 36.4#

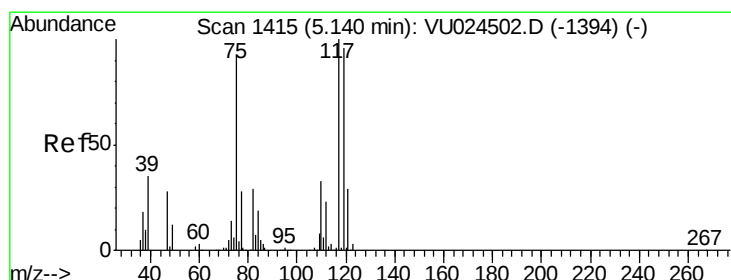
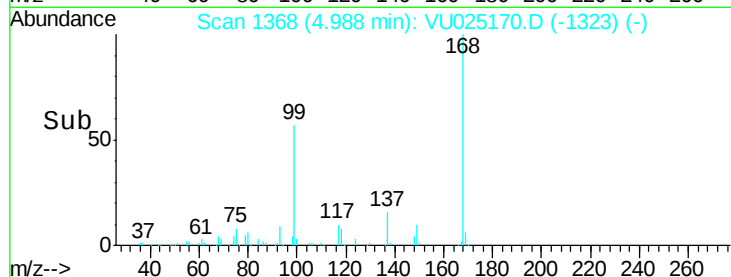


Abundance Ion 74.90 (74.60 to 75.60): VU025170.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU025170.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU025170.D (-1323) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.025 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025170.D

Acq: 03 Jul 2018 03:25

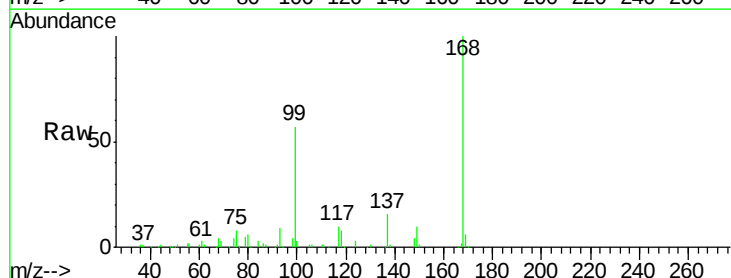
Tgt Ion: 117 Resp: 19137

Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

121 0.0 23.7 35.5#

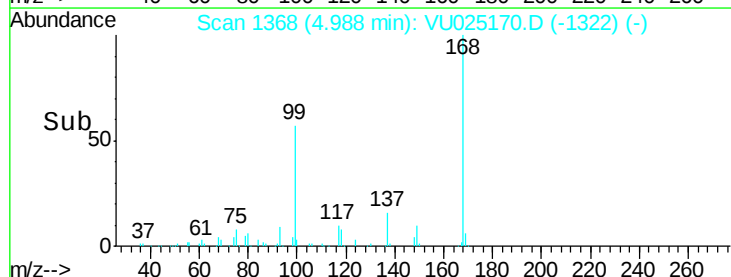


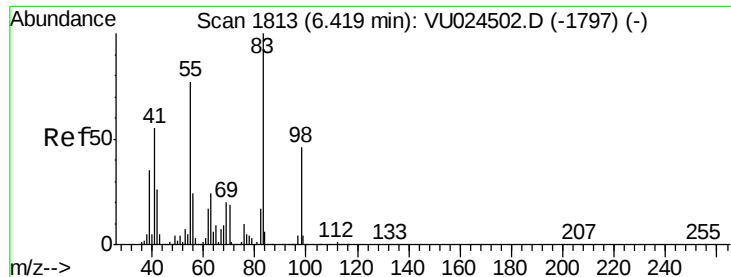
Abundance Ion 116.80 (116.50 to 117.50): VU025170.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU025170.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU025170.D (-1322) (-)

Time-->

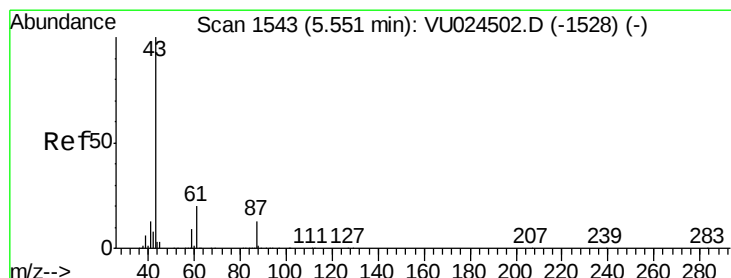
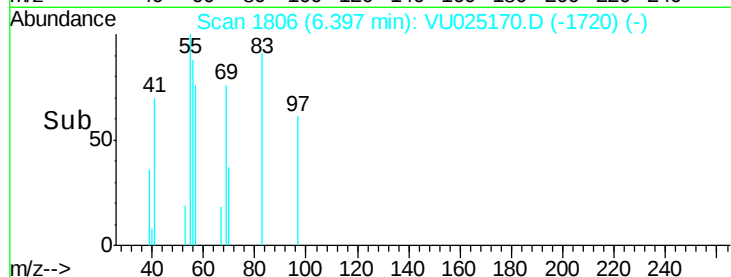
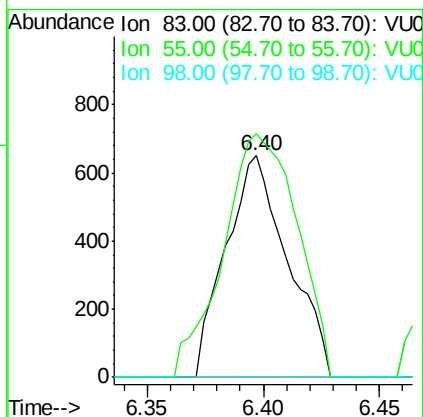
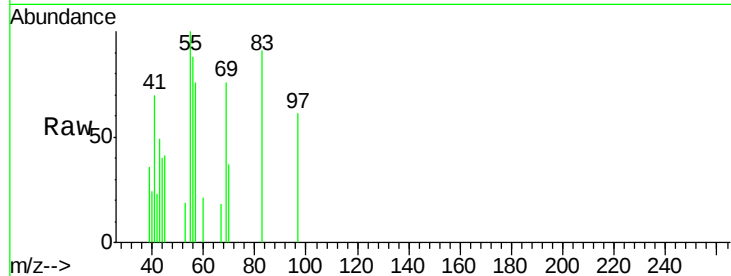




#39
Methylcyclohexane
Concen: 0.280 ug/l
RT: 6.40 min Scan# 1806
Delta R.T. -0.02 min
Lab File: VU025170.D
Acq: 03 Jul 2018 03:25

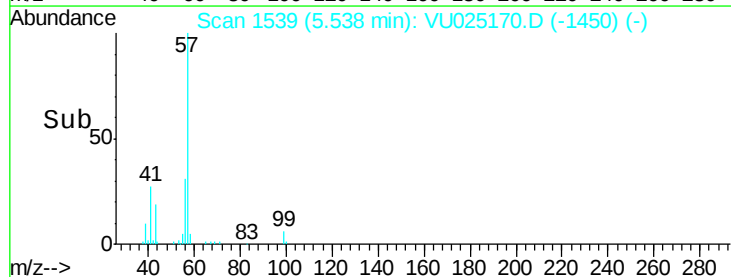
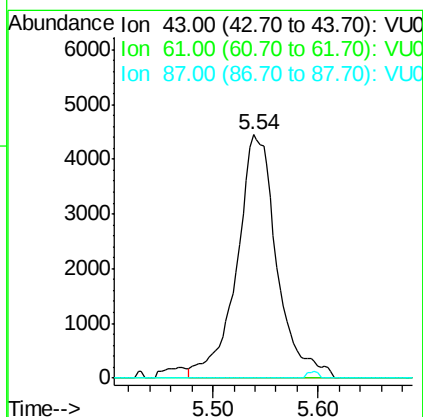
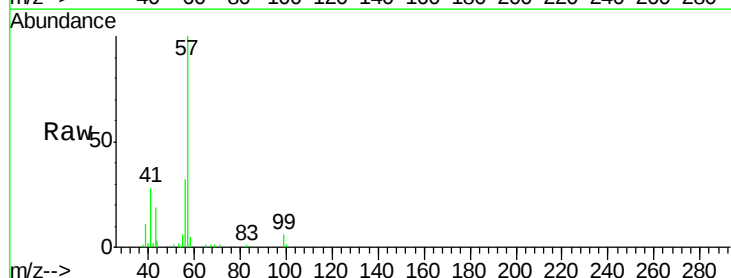
Instrument :
MSVOA_U
ClientSampleId :
MW-7-062818

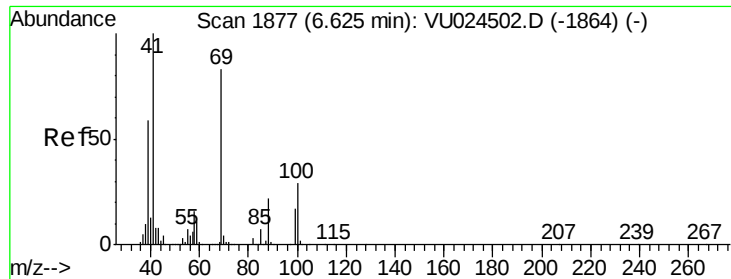
Tot Ion: 83 Resp: 1211
Ion Ratio Lower Upper
83 100
55 109.8 65.8 98.6#
98 0.0 36.7 55.1#



#43
Isopropyl Acetate
Concen: 1.801 ug/l
RT: 5.54 min Scan# 1539
Delta R.T. -0.01 min
Lab File: VU025170.D
Acq: 03 Jul 2018 03:25

Tgt Ion: 43 Resp: 11752
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 0.0 10.0 15.0#

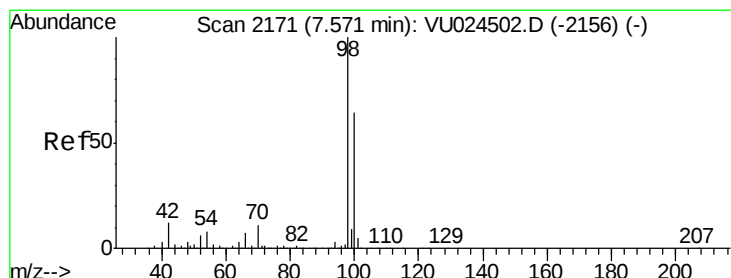
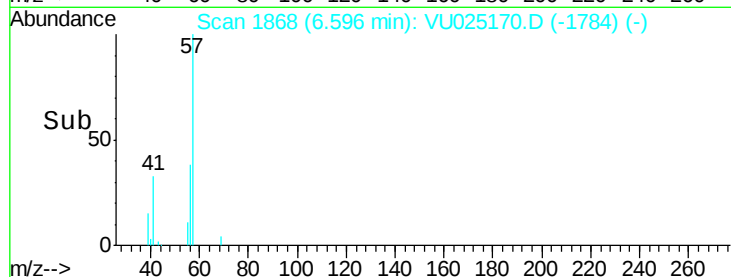
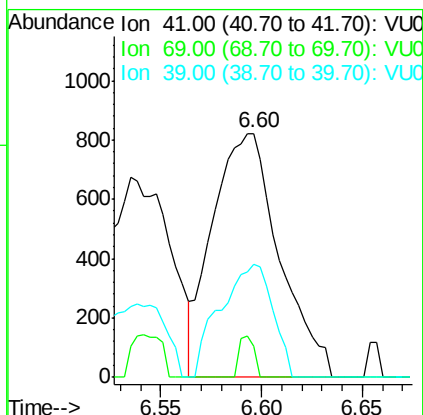
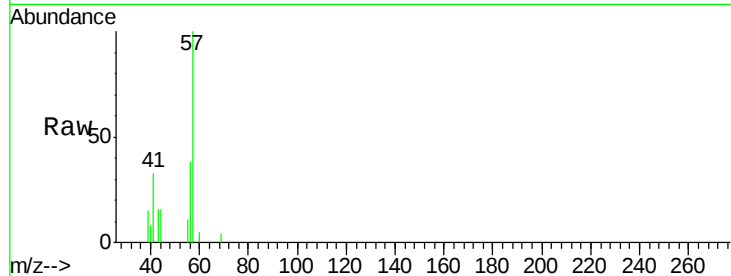




#48
Methvl methacrylate
Concen: 0.597 ug/l
RT: 6.60 min Scan# 1868
Delta R.T. -0.03 min
Lab File: VU025170.D
Acq: 03 Jul 2018 03:25

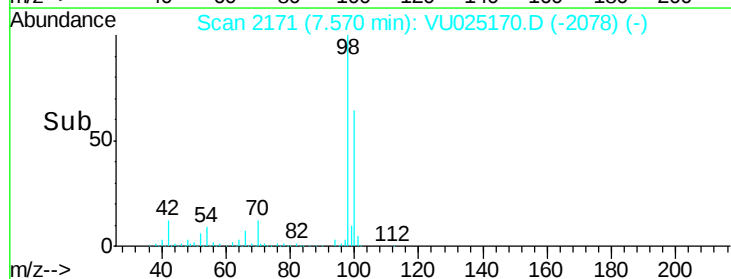
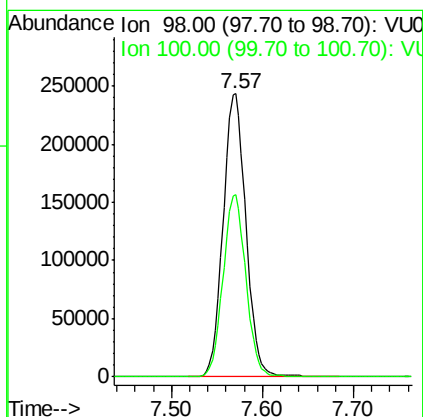
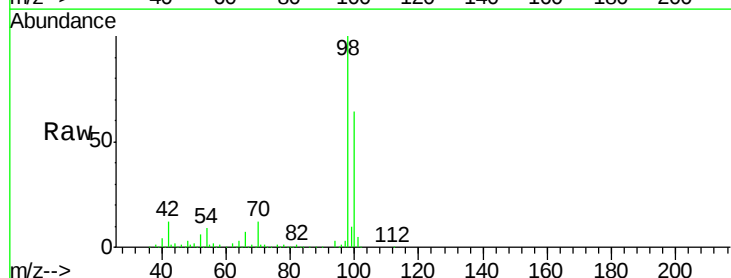
Instrument :
MSVOA_U
ClientSampleId :
MW-7-062818

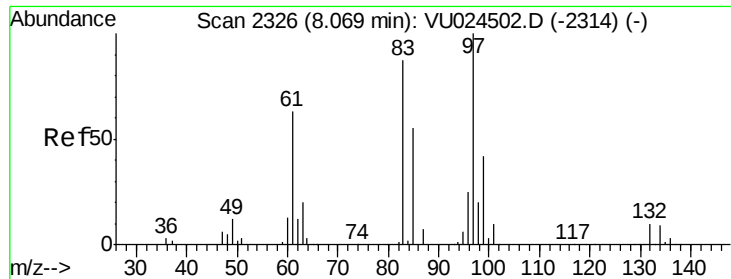
Tot Ion: 41 Resp: 1896
Ion Ratio Lower Upper
41 100
69 3.8 67.3 100.9#
39 36.3 46.5 69.7#



#50
Toluene-d8
Concen: 47.636 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU025170.D
Acq: 03 Jul 2018 03:25

Tgt Ion: 98 Resp: 425035
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7

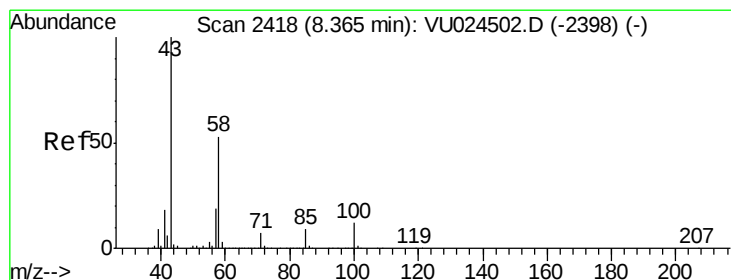
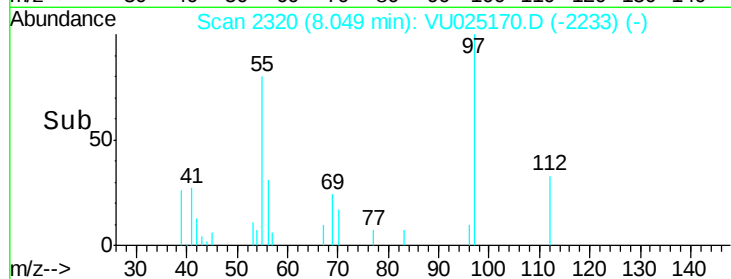
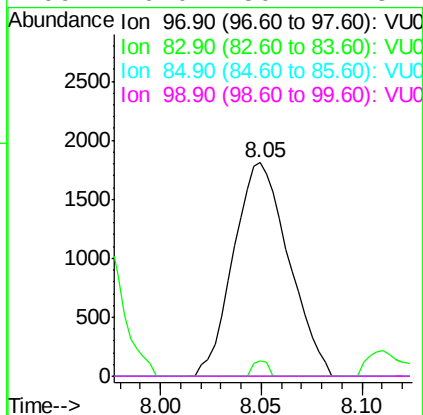
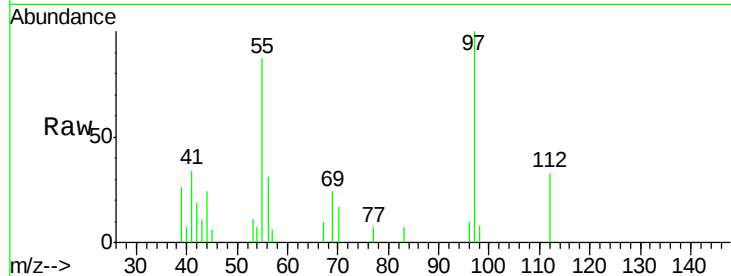




#55
 1,1,2-Trichloroethane
 Concen: 1.339 ug/l
 RT: 8.05 min Scan# 2320
 Delta R.T. -0.02 min
 Lab File: VU025170.D
 Acq: 03 Jul 2018 03:25

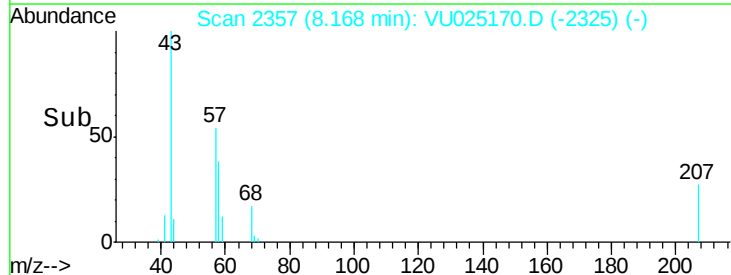
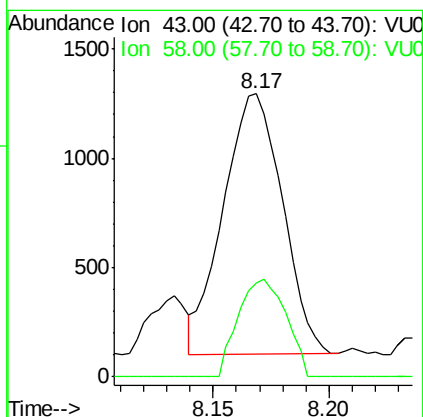
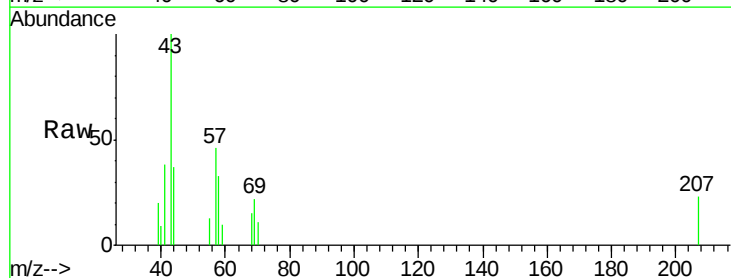
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-7-062818

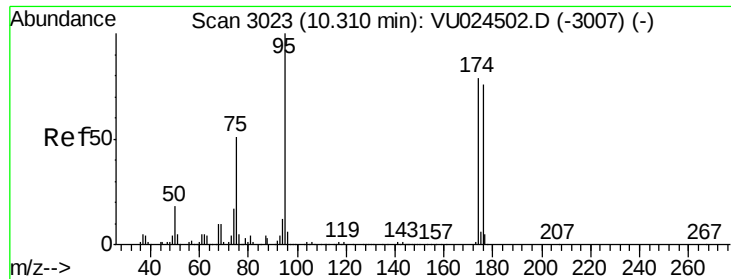
Tot Ion: 97 Resp: 3456
 Ion Ratio Lower Upper
 97 100
 83 7.3 70.5 105.7#
 85 0.0 46.4 69.6#
 99 0.0 50.2 75.2#



#59
 2-Hexanone
 Concen: 0.632 ug/l
 RT: 8.17 min Scan# 2357
 Delta R.T. -0.20 min
 Lab File: VU025170.D
 Acq: 03 Jul 2018 03:25

Tgt Ion: 43 Resp: 2114
 Ion Ratio Lower Upper
 43 100
 58 30.3 26.4 79.0

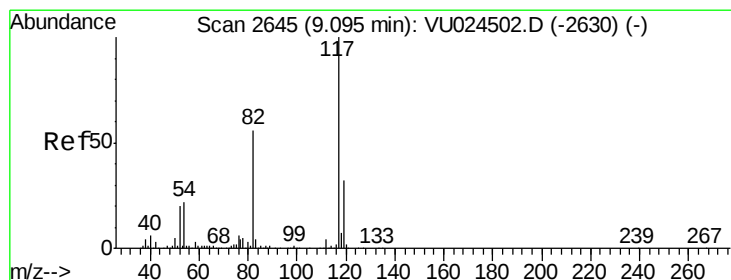
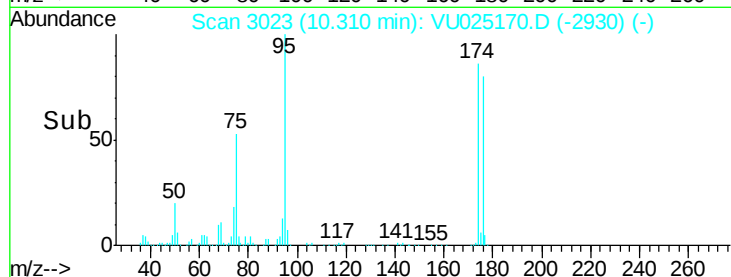
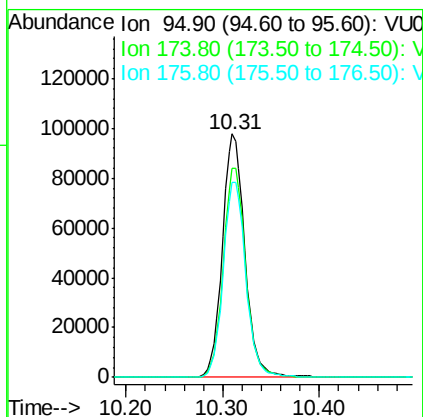
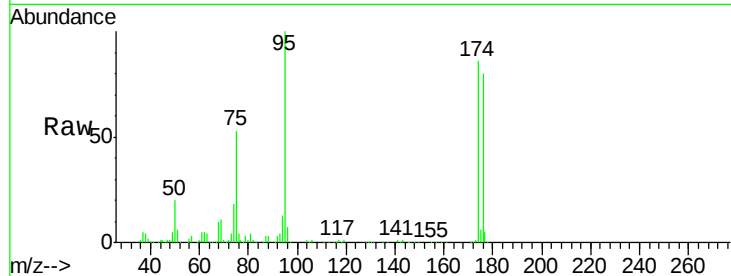




#62
4-Bromofluorobenzene
Concen: 44.534 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025170.D
Acq: 03 Jul 2018 03:25

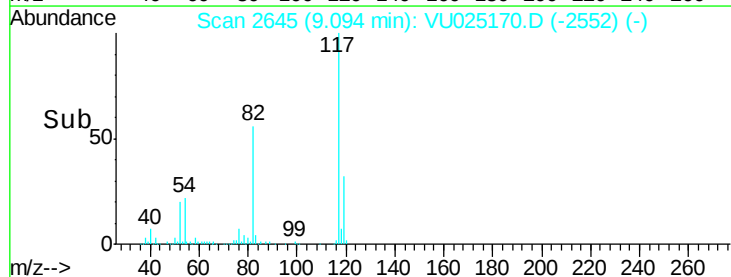
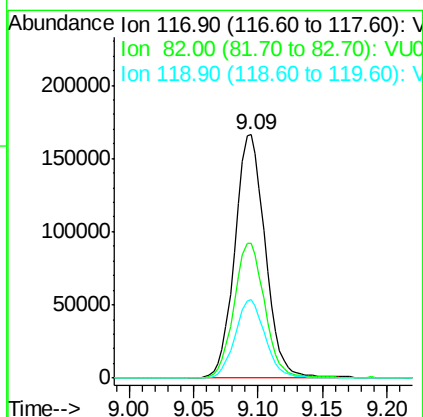
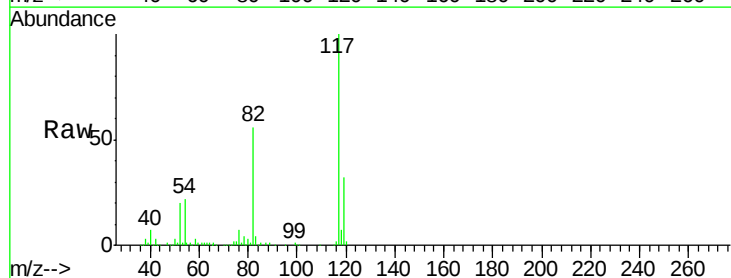
Instrument :
MSVOA_U
ClientSampleId :
MW-7-062818

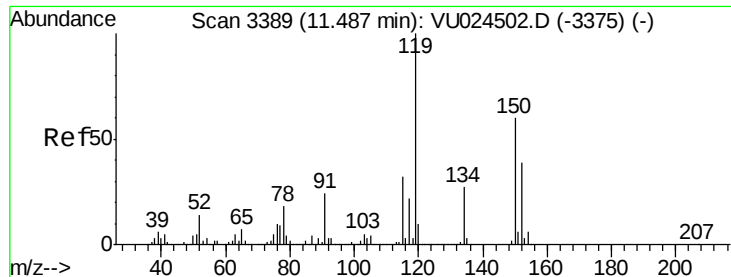
Tot Ion: 95 Resp: 157766
Ion Ratio Lower Upper
95 100
174 85.7 0.0 165.8
176 80.7 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025170.D
Acq: 03 Jul 2018 03:25

Tgt Ion: 117 Resp: 272434
Ion Ratio Lower Upper
117 100
82 55.5 44.3 66.5
119 32.1 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: VU025170.D

Acq: 03 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

MW-7-062818

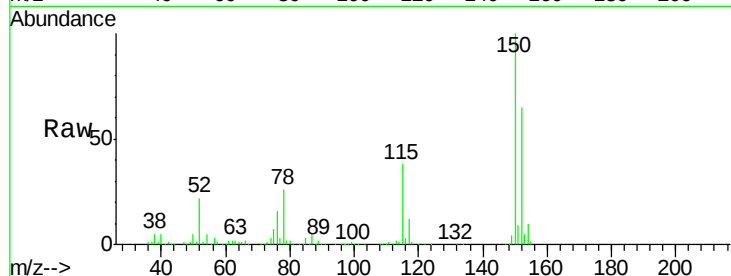
Tot Ion:152 Resp: 143207

Ion Ratio Lower Upper

152 100

115 59.2 43.0 129.0

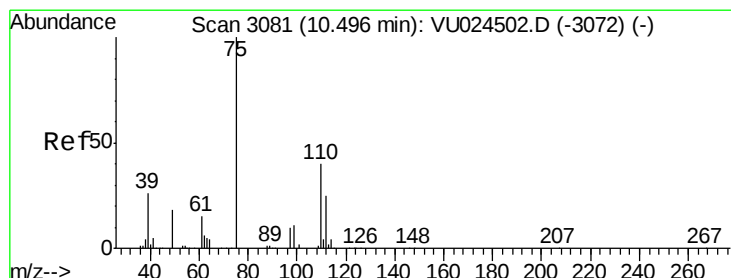
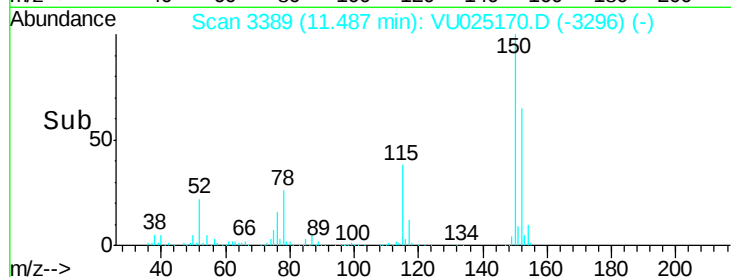
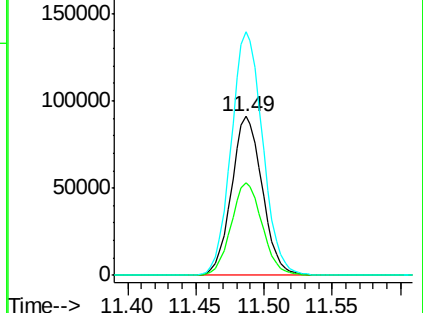
150 156.1 0.0 354.0



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: 26.004 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025170.D

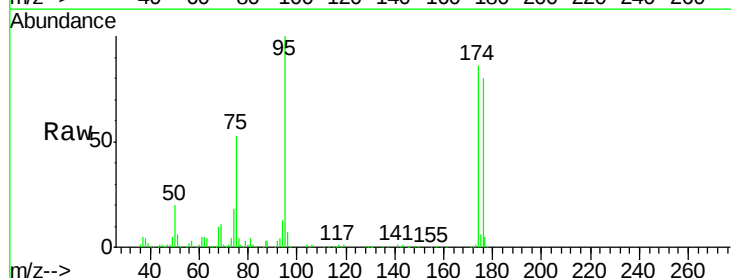
Acq: 03 Jul 2018 03:25

Tgt Ion: 75 Resp: 81988

Ion Ratio Lower Upper

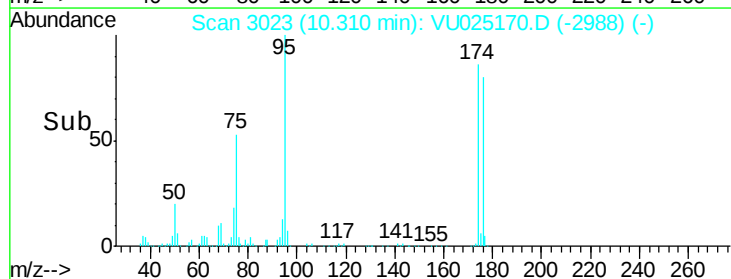
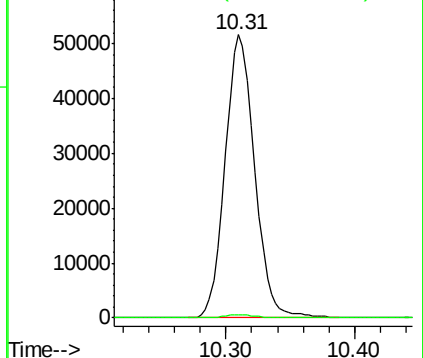
75 100

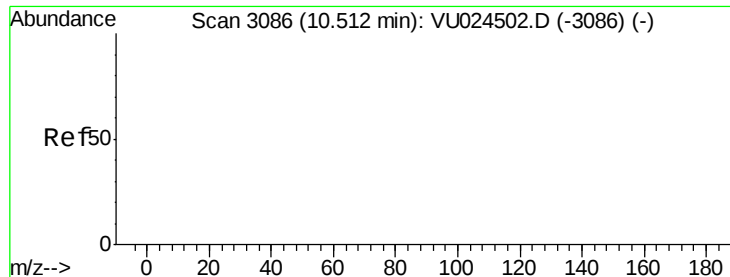
77 1.2 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

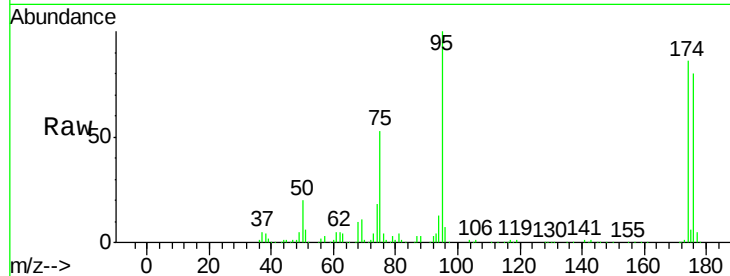




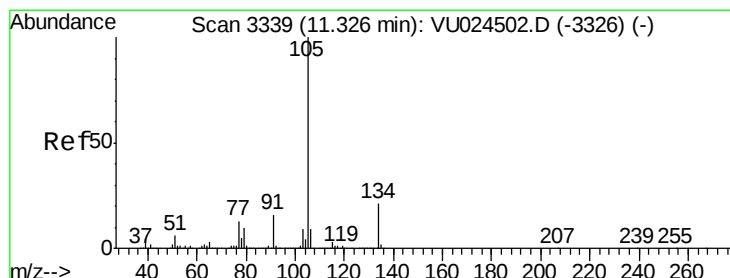
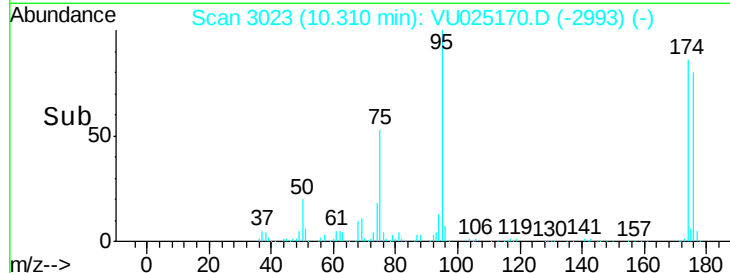
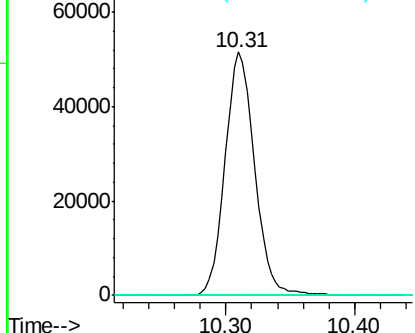
#81
trans-1,4-Dichloro-2-butene
Concen: 60.184 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU025170.D
Acq: 03 Jul 2018 03:25

Instrument :
MSVOA_U
ClientSampleId :
MW-7-062818

Tot Ion: 75 Resp: 81988
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

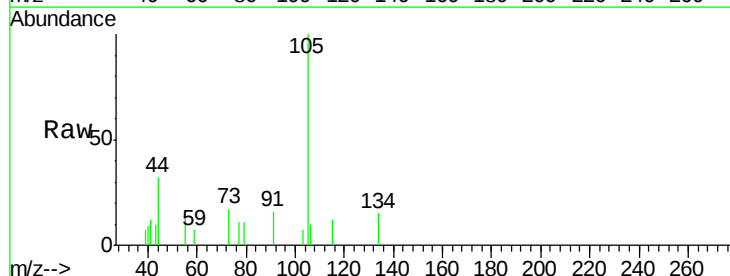


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

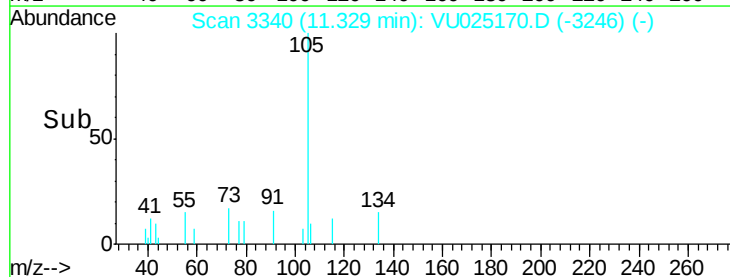
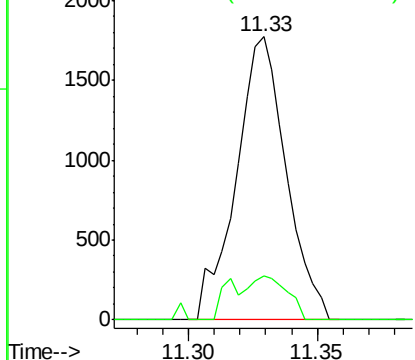


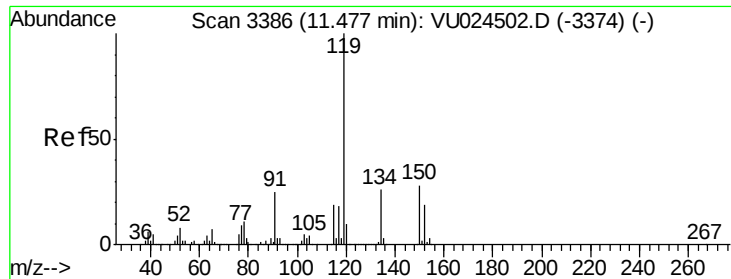
#85
sec-Butylbenzene
Concen: 0.209 ug/l
RT: 11.33 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VU025170.D
Acq: 03 Jul 2018 03:25

Tgt Ion:105 Resp: 2403
Ion Ratio Lower Upper
105 100
134 10.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V

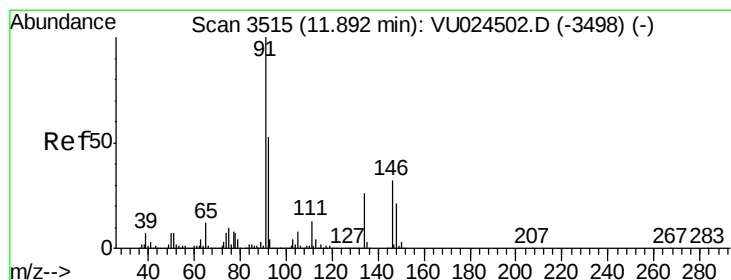
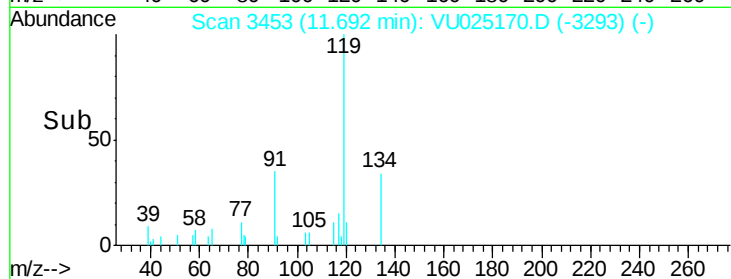
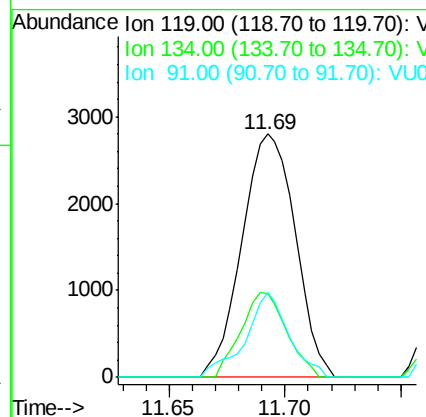
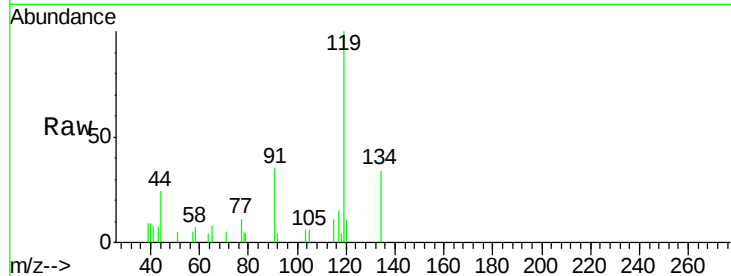




#86
 p-Isopropyltoluene
 Concen: 0.435 ug/l
 RT: 11.69 min Scan# 3453
 Delta R.T. 0.22 min
 Lab File: VU025170.D
 Acq: 03 Jul 2018 03:25

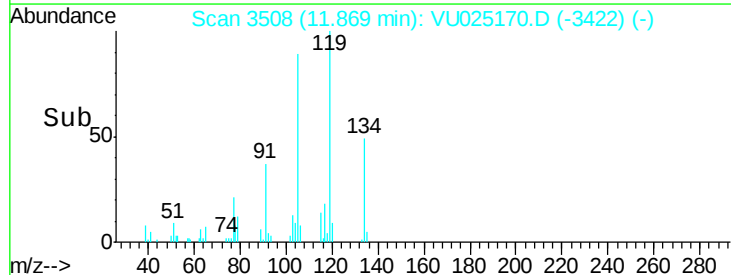
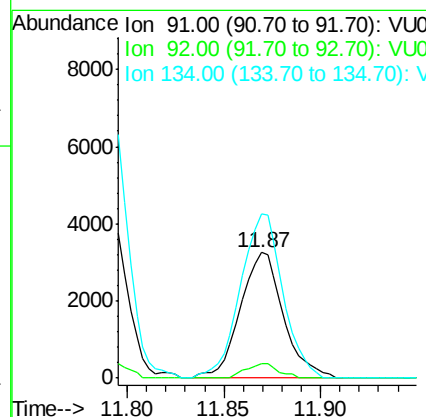
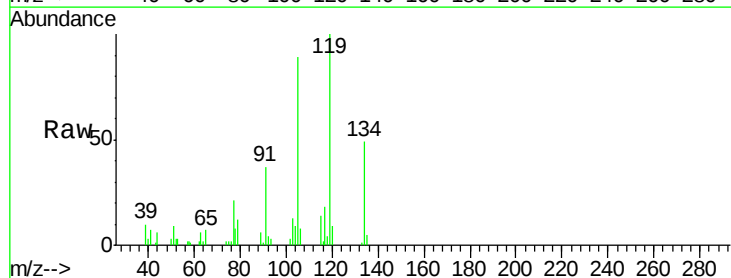
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-7-062818

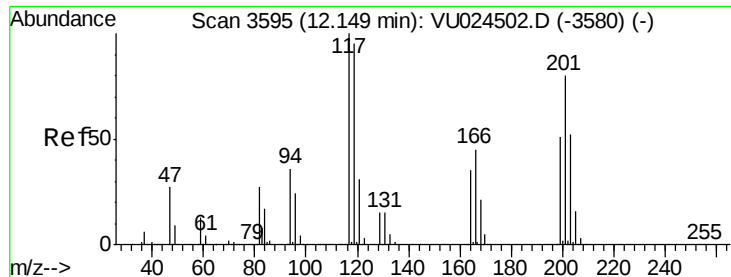
Tot Ion	Ratio	Lower	Upper
119	100		
134	29.8	12.9	38.6
91	28.4	12.0	36.1



#89
 n-Butylbenzene
 Concen: 0.554 ug/l
 RT: 11.87 min Scan# 3508
 Delta R.T. -0.02 min
 Lab File: VU025170.D
 Acq: 03 Jul 2018 03:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	8.7	25.6	76.8#
134	129.0	12.3	36.8#





#90

Hexachloroethane

Concen: 5.967 ug/l

RT: 12.29 min Scan# 3639

Delta R.T. 0.14 min

Lab File: VU025170.D

Acq: 03 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

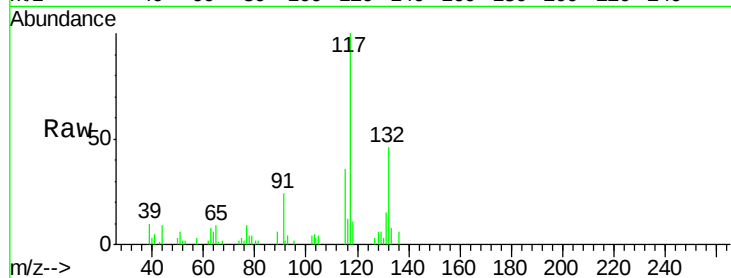
MW-7-062818

Tot Ion:117 Resp: 11962

Ion Ratio Lower Upper

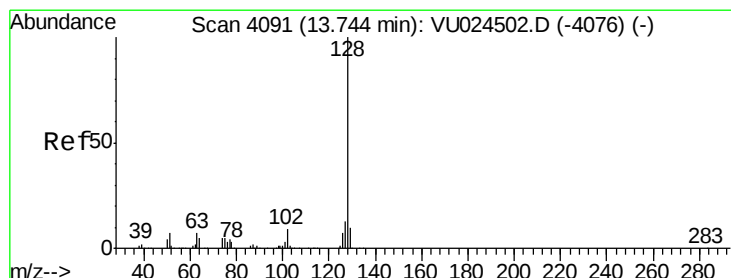
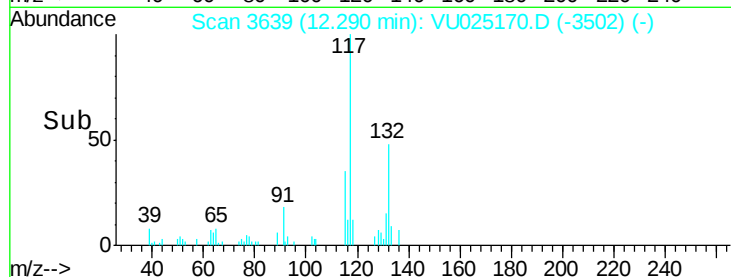
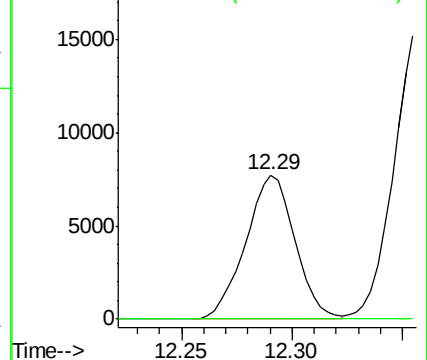
117 100

201 0.0 41.1 123.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 0.771 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025170.D

Acq: 03 Jul 2018 03:25

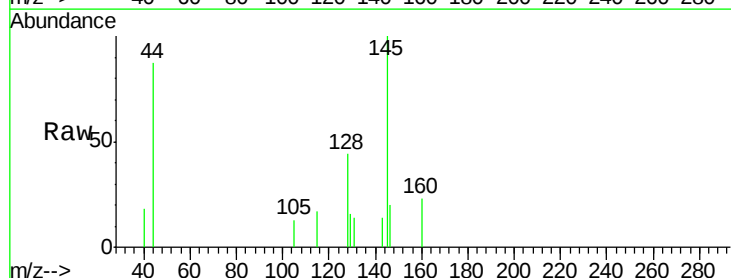
Tgt Ion:128 Resp: 975

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 44.2 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

