

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025024.D
 Acq On : 28 Jun 2018 16:41
 Operator : MD/SY
 Sample : J3707-25 20X
 Misc : 5.68g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-29-31-180622

Quant Time: Jun 29 05:07:38 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	227534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	339989	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	314933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	170338	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	171721	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.46%	
35) Dibromofluoromethane	4.89	113	132940	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.22%	
50) Toluene-d8	7.57	98	489999	47.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.22%	
62) 4-Bromofluorobenzene	10.31	95	188303	46.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.16%	

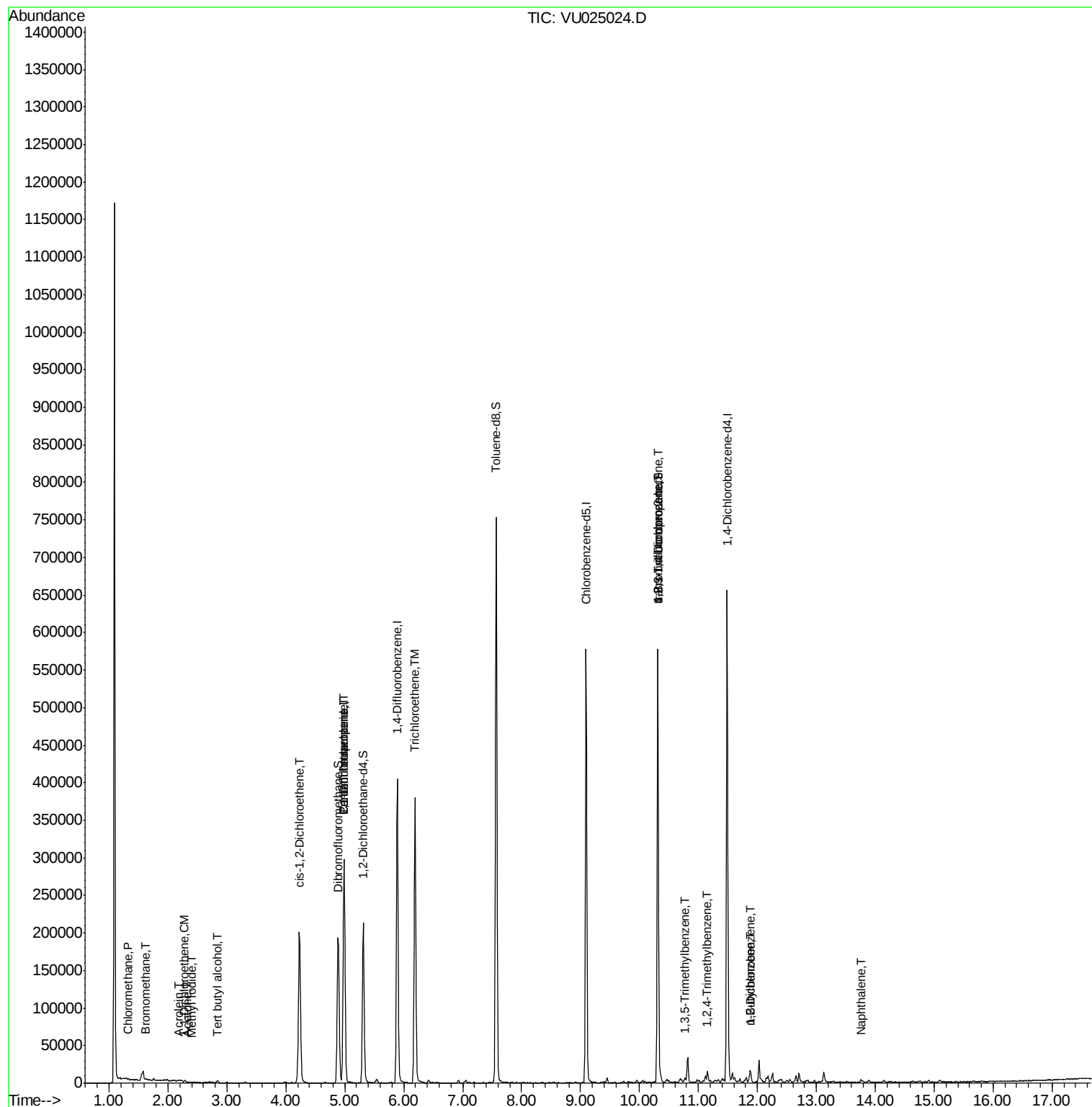
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	592	0.203	ug/l	95
5) Bromomethane	1.63	94	329	0.227	ug/l #	29
6) Chloroethane	1.70	64	74	Below Cal	#	43
10) Methyl Iodide	2.41	142	20	5.296	ug/l #	40
11) Tert butyl alcohol	2.83	59	1557	1.723	ug/l #	72
12) 1,1-Dichloroethene	2.28	96	683	0.264	ug/l	81
13) Acrolein	2.18	56	233	0.491	ug/l #	13
16) Acetone	2.32	43	787	0.394	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	112225	34.209	ug/l	89
31) Cyclohexane	4.99	56	5296	Below Cal	#	15
36) 1,1-Dichloropropene	4.99	75	16394	4.103	ug/l #	51
38) Carbon Tetrachloride	4.99	117	21875	4.979	ug/l #	16
44) Trichloroethene	6.19	130	136113	42.012	ug/l	95
76) 1,2,3-Trichloropropane	10.31	75	98004	26.133	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.78	105	3343	0.295	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.31	75	98004	60.482	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.16	105	7615	0.659	ug/l	100
89) n-Butylbenzene	11.89	91	2575	0.237	ug/l #	31
91) 1,2-Dichlorobenzene	11.89	146	2057	0.336	ug/l	93
95) Naphthalene	13.75	128	4162	1.007	ug/l #	92

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

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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: VU025024.D

Acq: 28 Jun 2018 16:41

Instrument :

MSVOA_U

ClientSampleId :

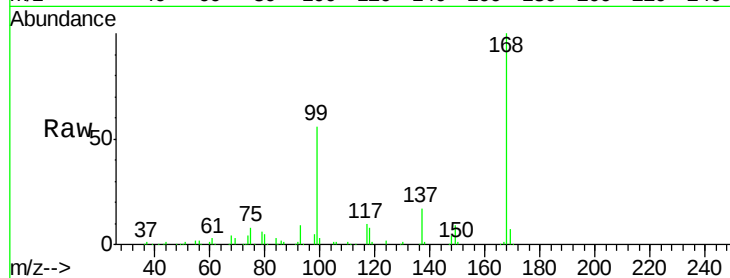
WP021SB489-29-31-180622

Tgt Ion:168 Resp: 227534

Ion Ratio Lower Upper

168 100

99 55.7 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

120000

100000

80000

60000

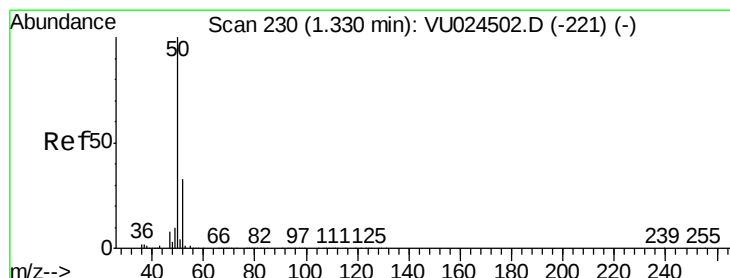
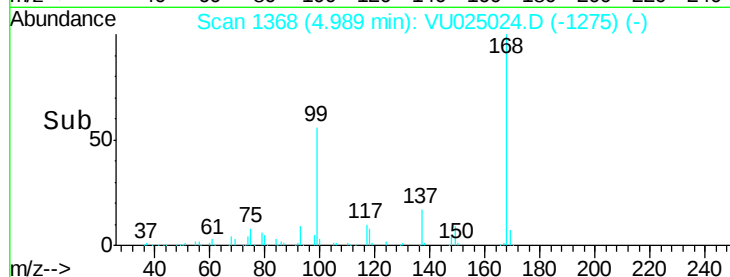
40000

20000

0

4.90 4.99 5.10

Time-->



#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025024.D

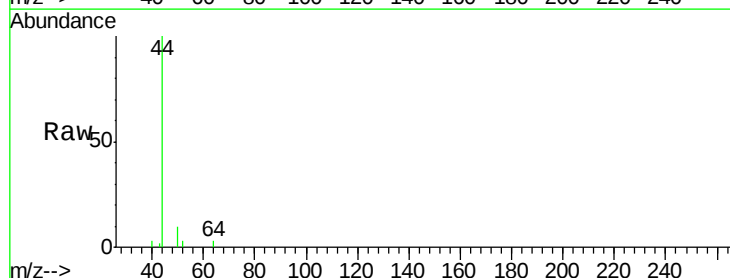
Acq: 28 Jun 2018 16:41

Tgt Ion: 50 Resp: 592

Ion Ratio Lower Upper

50 100

52 30.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

500

400

300

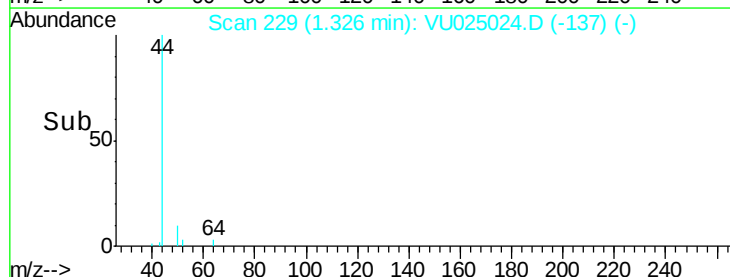
200

100

0

1.30 1.32 1.34 1.36 1.38

Time-->





#5

Bromomethane

Concen: 0.227 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU025024.D

Acq: 28 Jun 2018 16:41

Instrument :

MSVOA_U

ClientSampleId :

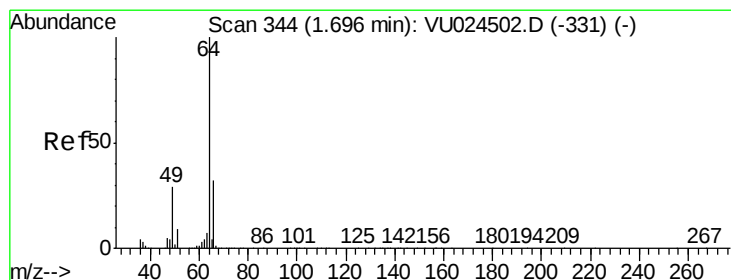
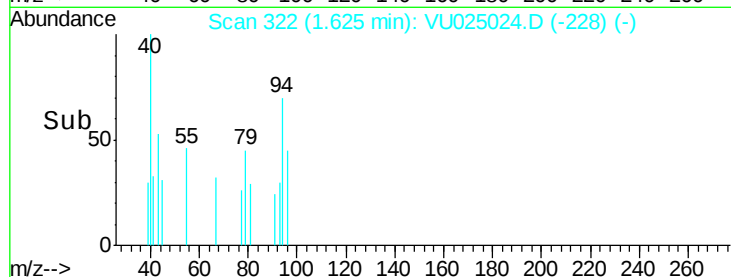
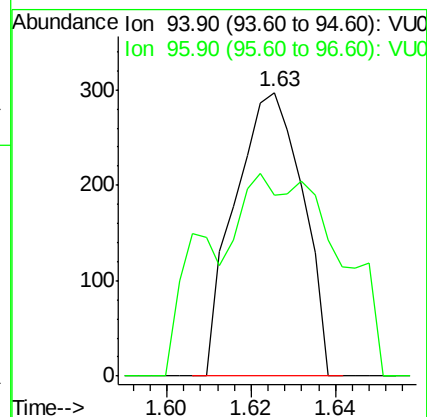
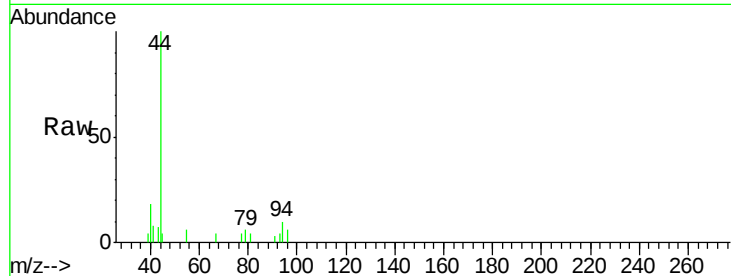
WP021SB489-29-31-180622

Tgt Ion: 94 Resp: 329

Ion Ratio Lower Upper

94 100

96 25.3 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025024.D

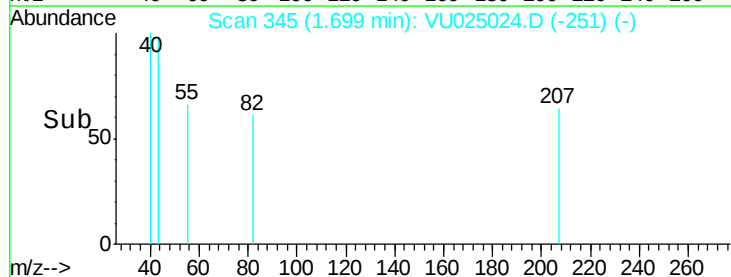
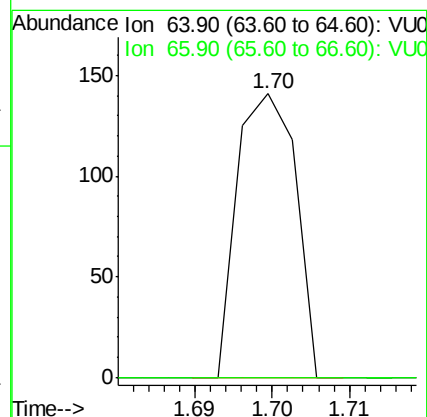
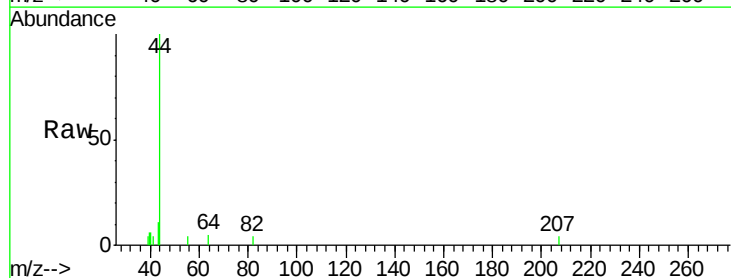
Acq: 28 Jun 2018 16:41

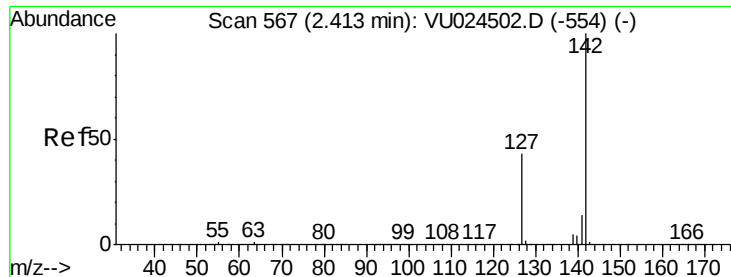
Tgt Ion: 64 Resp: 74

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

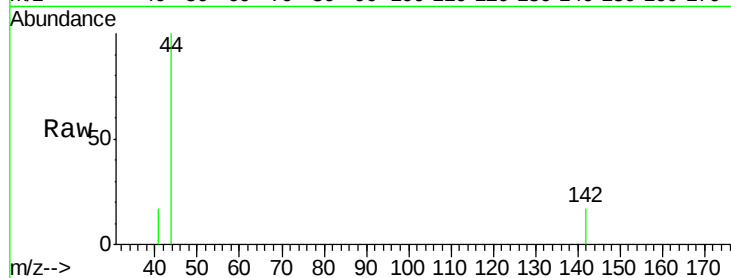




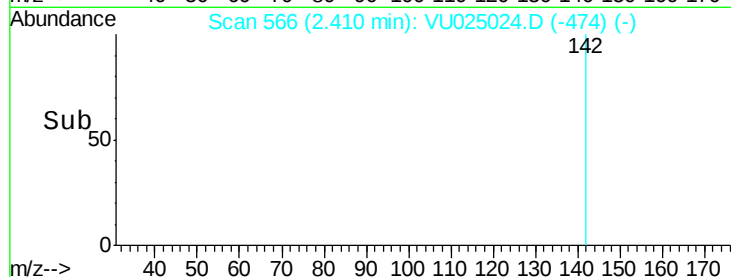
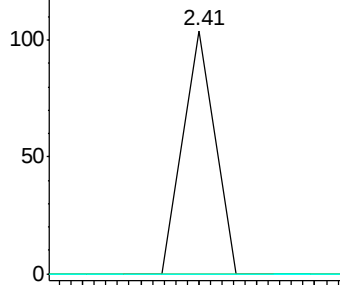
#10
Methyl Iodide
Concen: 5.296 ug/l
RT: 2.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VU025024.D
Acq: 28 Jun 2018 16:41

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-29-31-180622

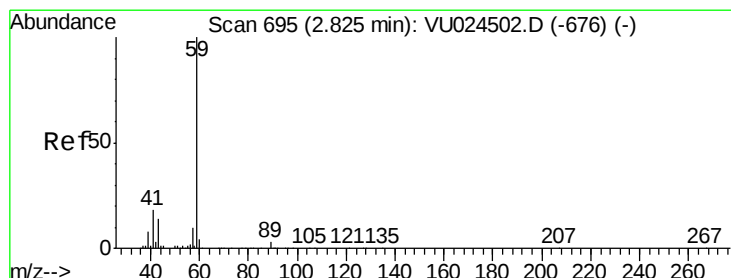
Tgt Ion: 142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

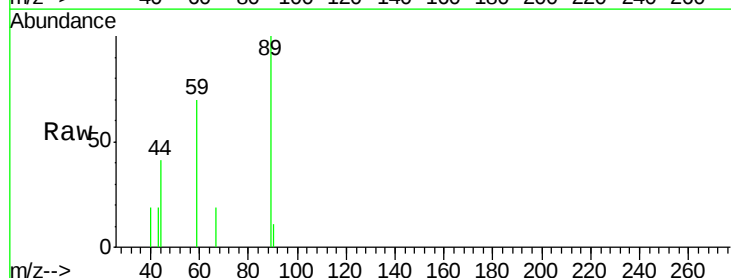


Time-->

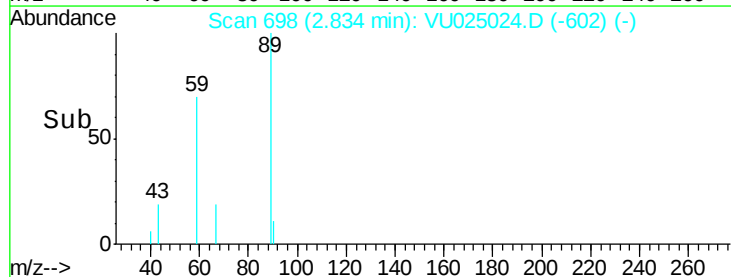
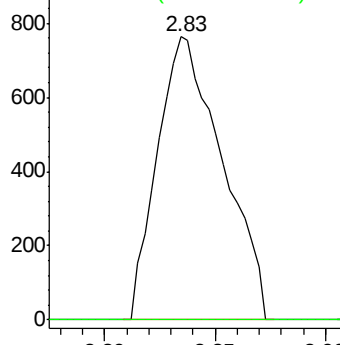


#11
Tert butyl alcohol
Concen: 1.723 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025024.D
Acq: 28 Jun 2018 16:41

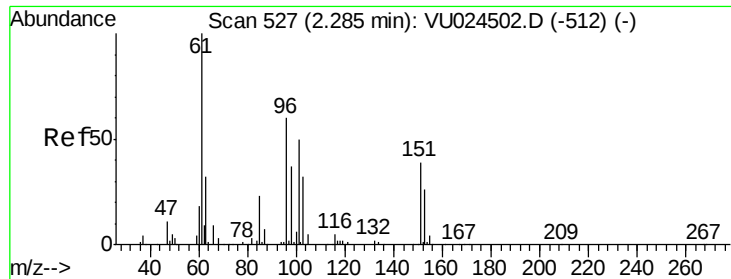
Tgt Ion: 59 Resp: 1557
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



Time-->



#12

1,1-Dichloroethene

Concen: 0.264 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025024.D

Acq: 28 Jun 2018 16:41

Instrument :

MSVOA_U

ClientSampleId :

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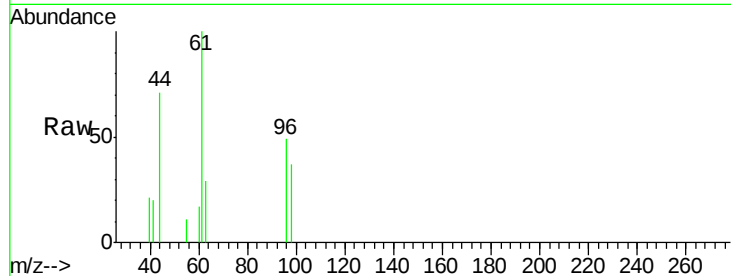
Tgt Ion: 96 Resp: 683

Ion Ratio Lower Upper

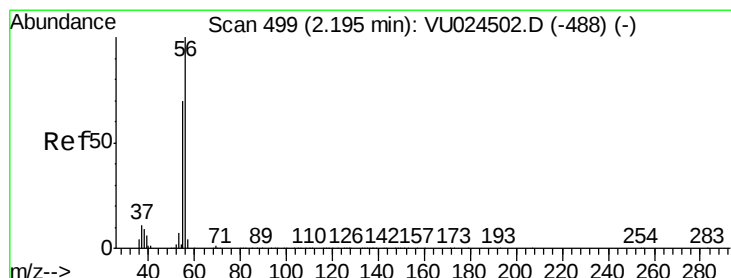
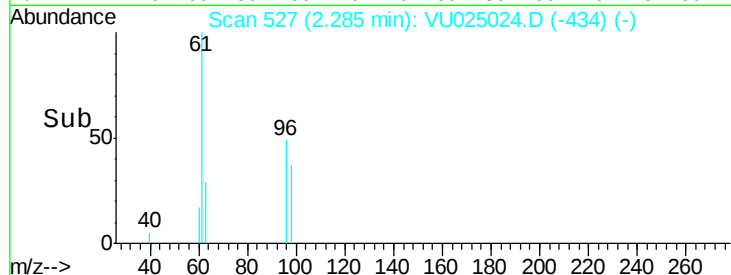
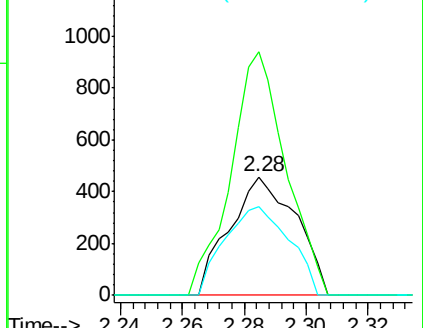
96 100

61 205.9 141.7 212.5

98 75.2 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU025024.D (-434) (-)



#13

Acrolein

Concen: 0.491 ug/l

RT: 2.18 min Scan# 496

Delta R.T. -0.01 min

Lab File: VU025024.D

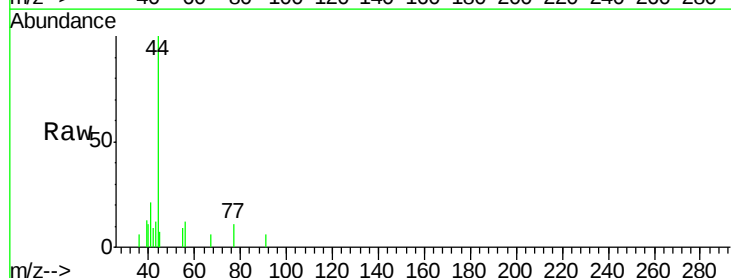
Acq: 28 Jun 2018 16:41

Tgt Ion: 56 Resp: 233

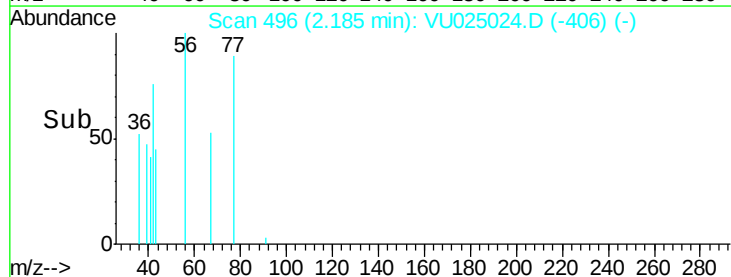
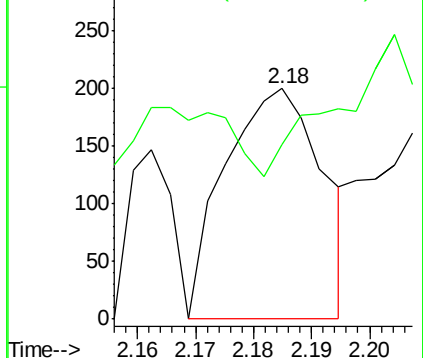
Ion Ratio Lower Upper

56 100

55 0.0 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VU025024.D (-406) (-)

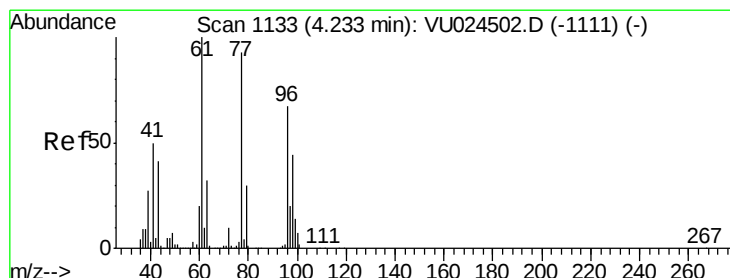
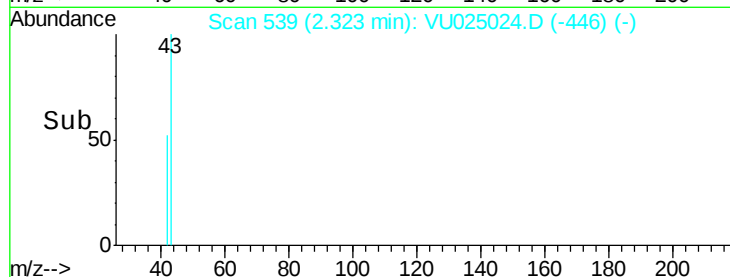
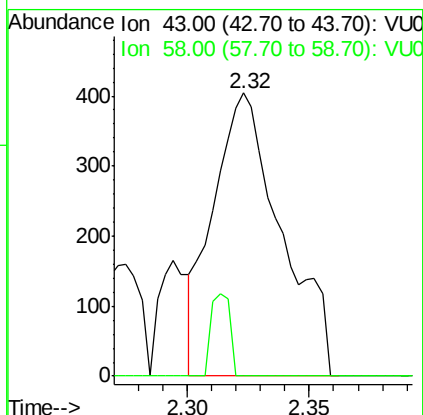
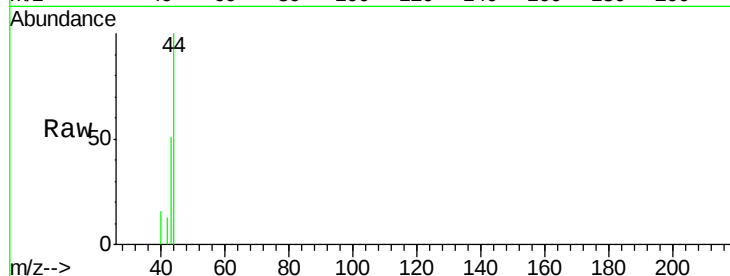




#16
Acetone
Concen: 0.394 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025024.D
Acq: 28 Jun 2018 16:41

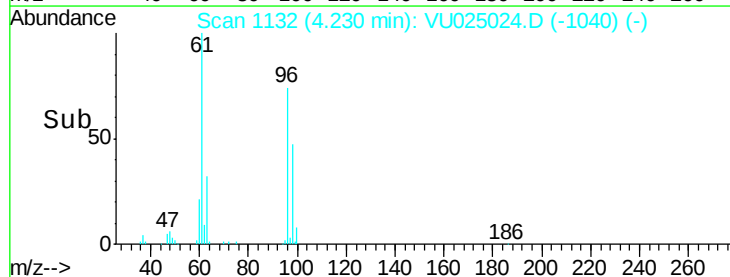
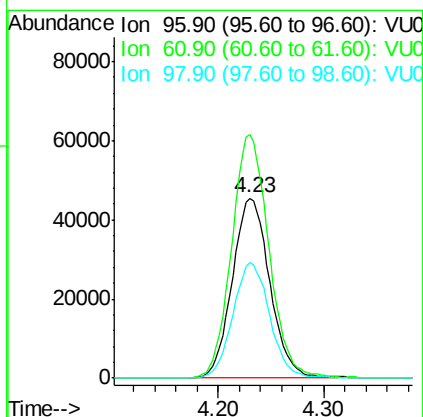
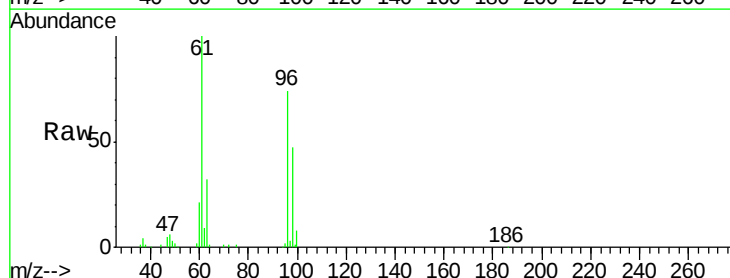
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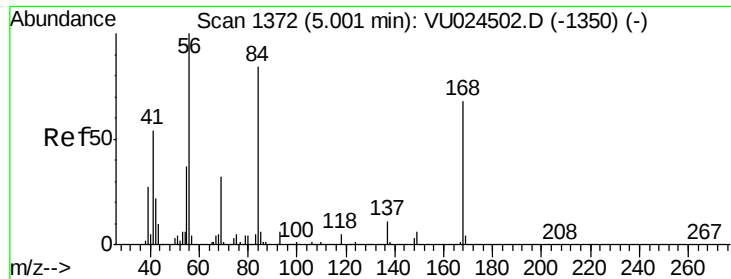
Tgt Ion: 43 Resp: 787
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#27
cis-1,2-Dichloroethene
Concen: 34.209 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025024.D
Acq: 28 Jun 2018 16:41

Tgt Ion: 96 Resp: 112225
Ion Ratio Lower Upper
96 100
61 134.5 0.0 306.6
98 63.1 0.0 128.8

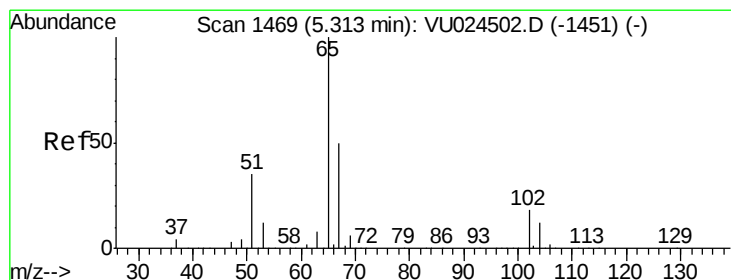
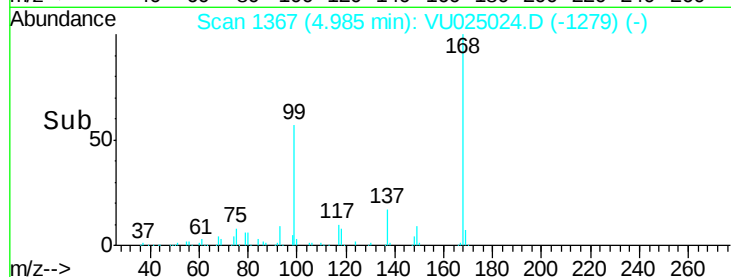
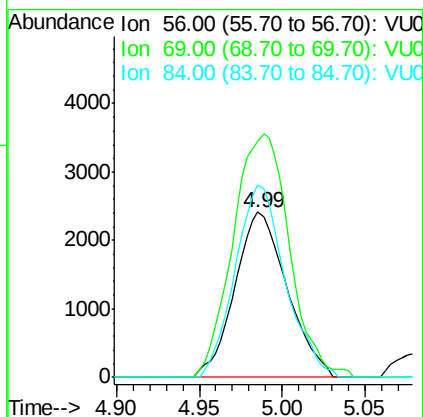
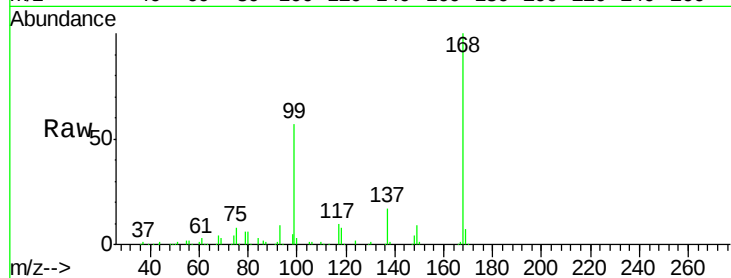




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025024.D
Acq: 28 Jun 2018 16:41

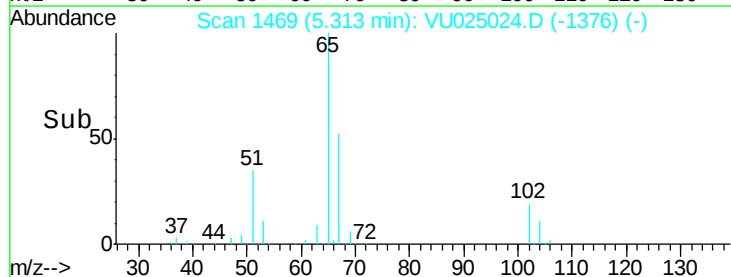
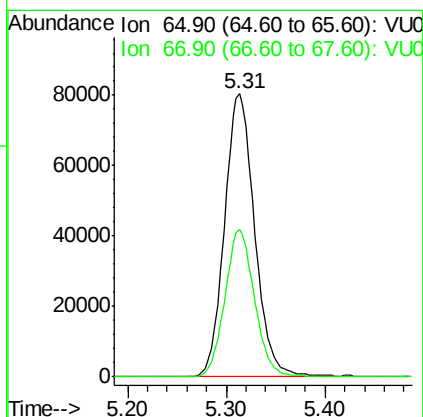
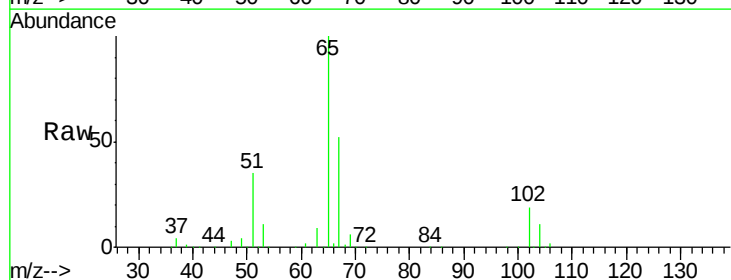
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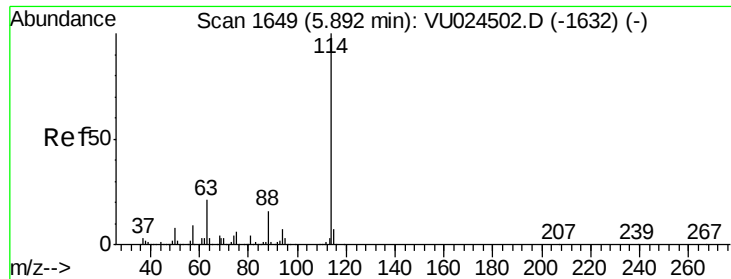
Tgt Ion: 56 Resp: 5296
Ion Ratio Lower Upper
56 100
69 142.7 24.8 37.2#
84 116.7 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.229 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025024.D
Acq: 28 Jun 2018 16:41

Tgt Ion: 65 Resp: 171721
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.0

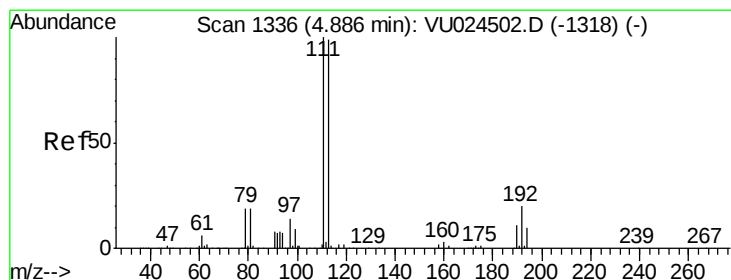
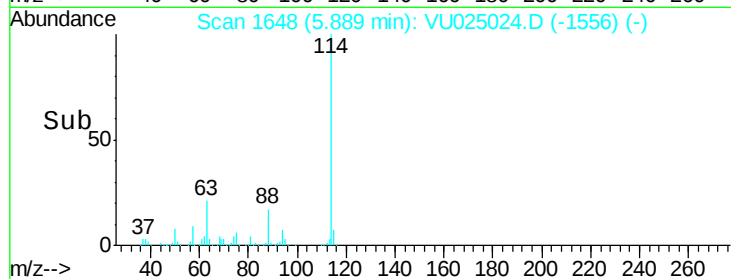
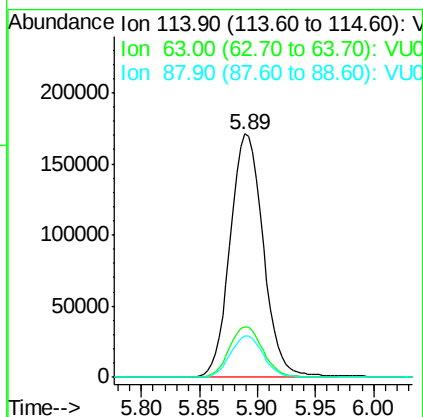
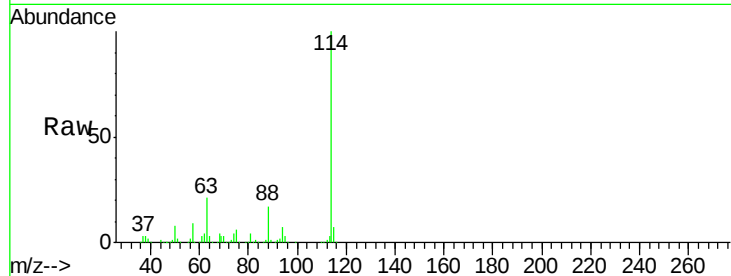




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025024.D
 Acq: 28 Jun 2018 16:41

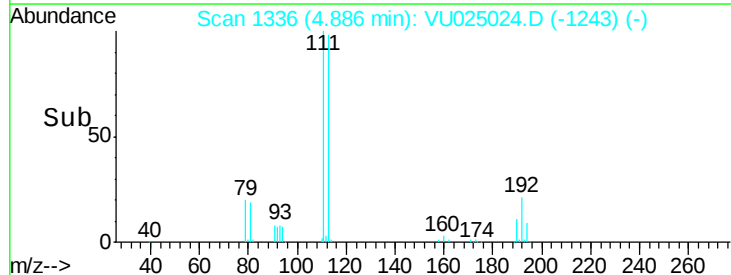
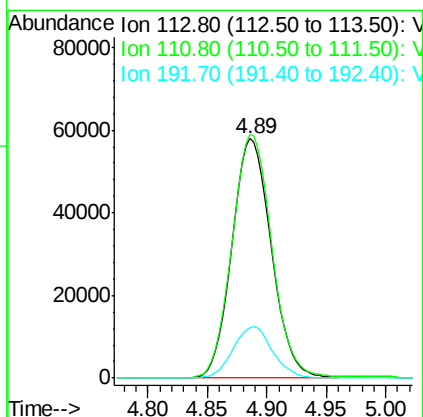
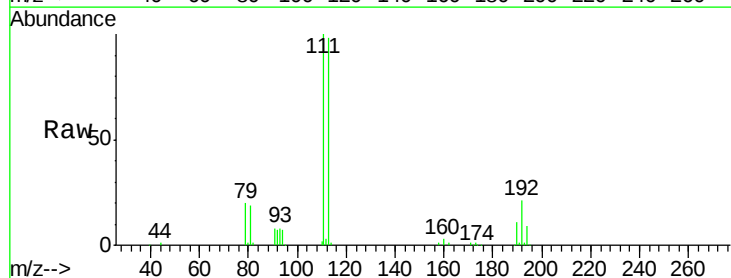
Instrument :
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 WP021SB489-29-31-180622

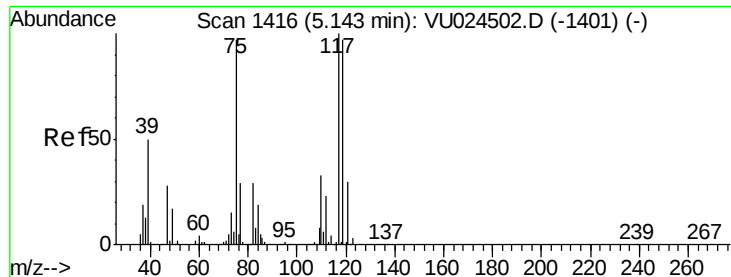
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	45.4
88	16.8	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 47.114 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025024.D
 Acq: 28 Jun 2018 16:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	21.4	16.2	24.4

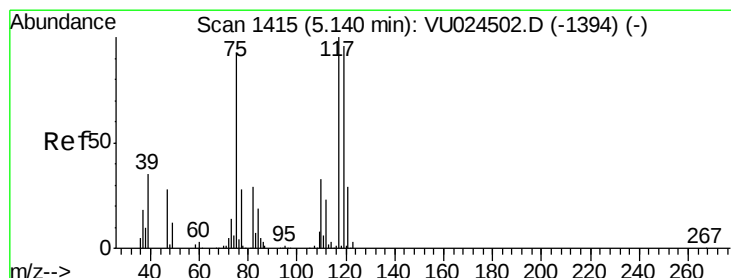
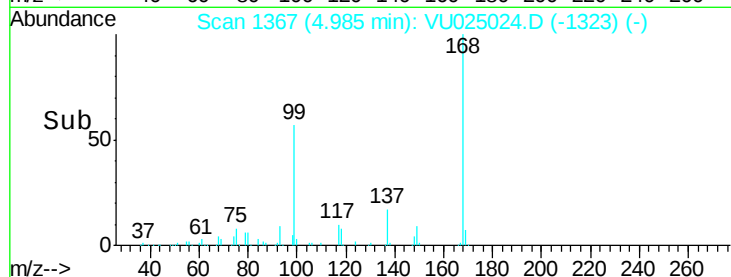
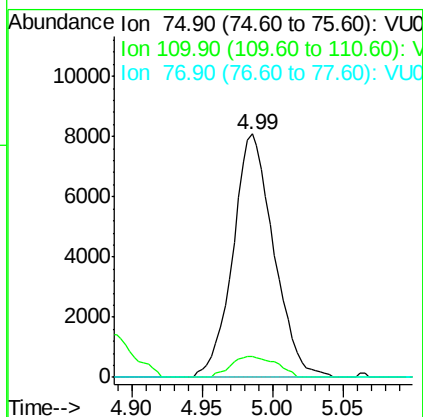
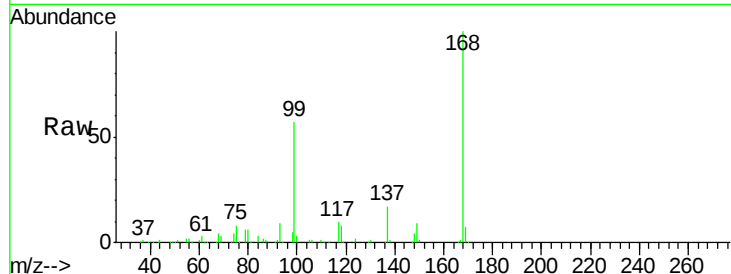




#36
 1,1-Dichloropropene
 Concen: 4.103 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025024.D
 Acq: 28 Jun 2018 16:41

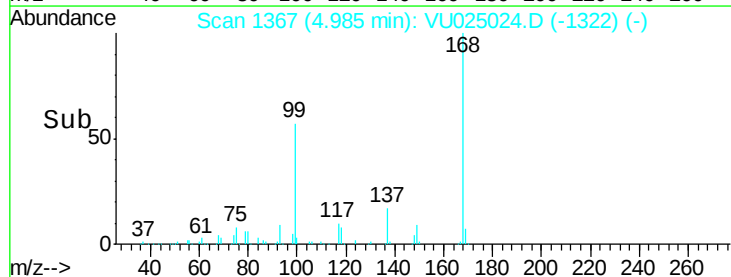
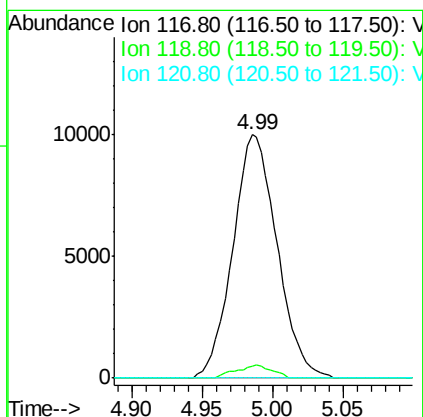
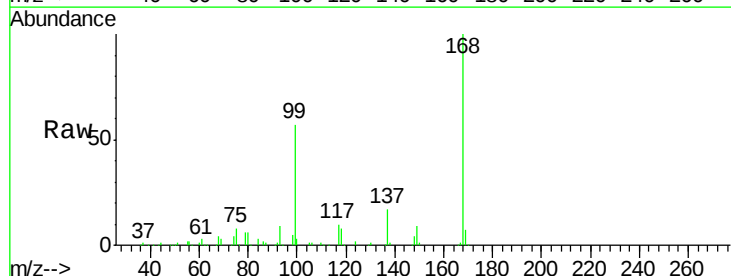
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-29-31-180622

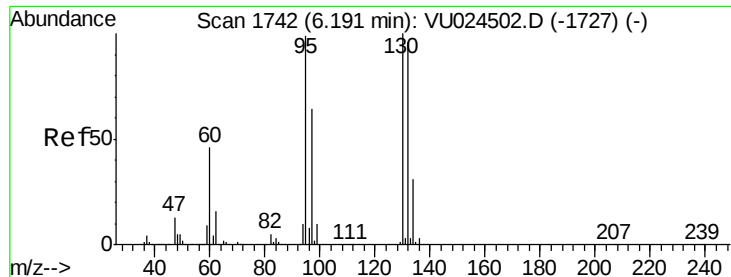
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.979 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025024.D
 Acq: 28 Jun 2018 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.1	114.1#
121	0.0	23.7	35.5#





#44

Trichloroethene

Concen: 42.012 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025024.D

Acq: 28 Jun 2018 16:41

Instrument :

MSVOA_U

ClientSampleId :

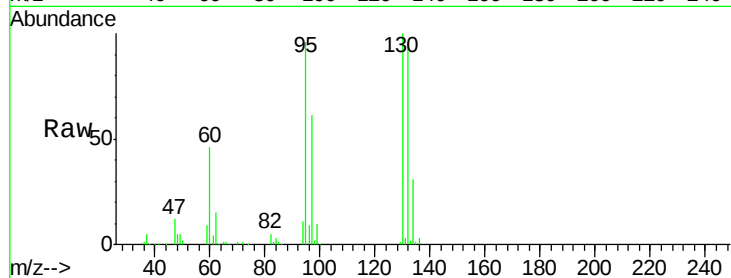
WP021SB489-29-31-180622

Tgt Ion:130 Resp: 136113

Ion Ratio Lower Upper

130 100

95 96.2 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

80000

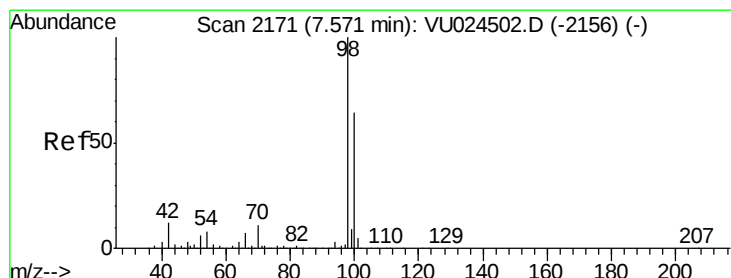
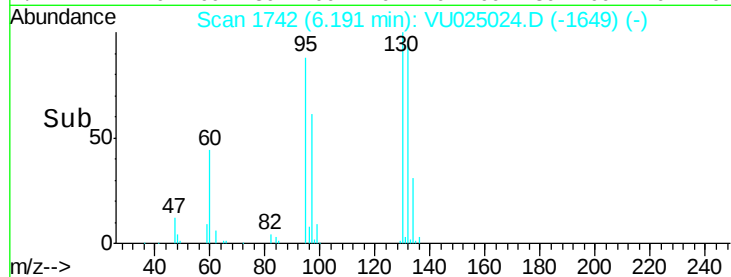
60000

40000

20000

0

Time--> 6.10 6.20 6.30



#50

Toluene-d8

Concen: 47.609 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025024.D

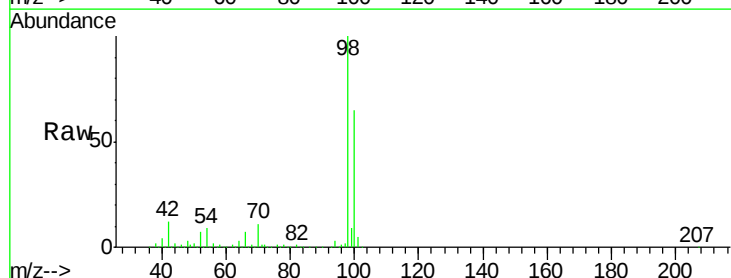
Acq: 28 Jun 2018 16:41

Tgt Ion: 98 Resp: 489999

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

7.57

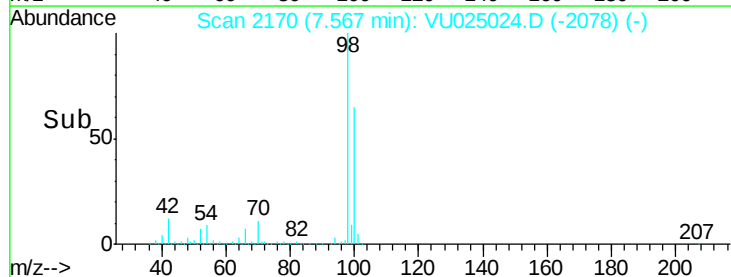
300000

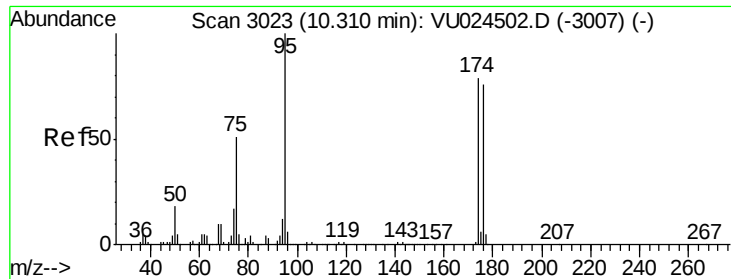
200000

100000

0

Time--> 7.50 7.55 7.60 7.65

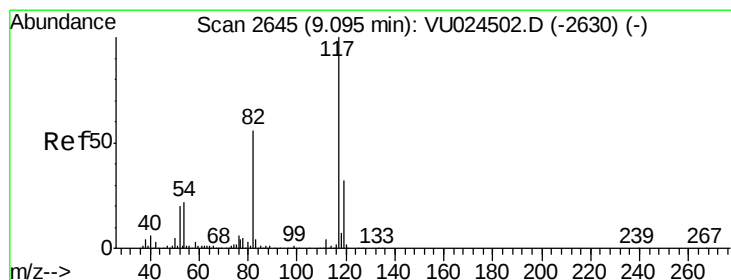
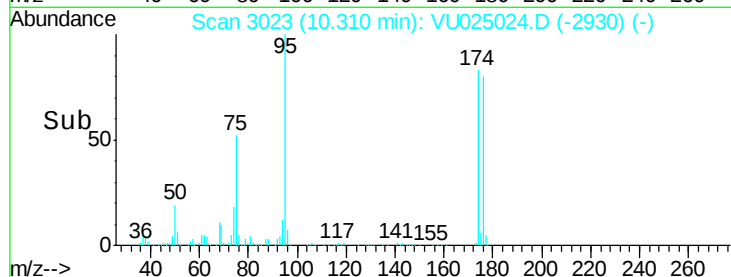
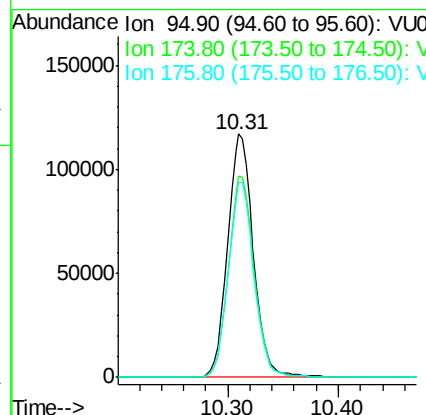
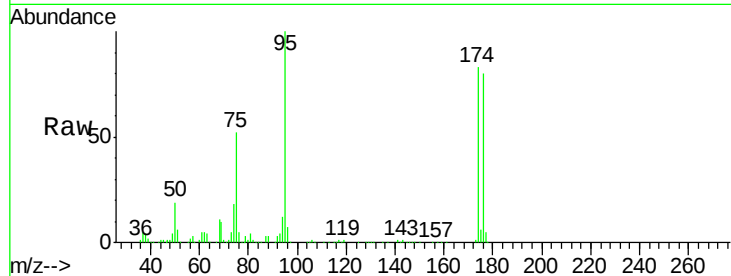




#62
4-Bromofluorobenzene
Concen: 46.080 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025024.D
Acq: 28 Jun 2018 16:41

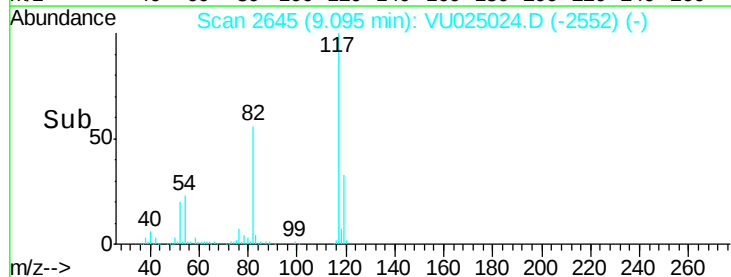
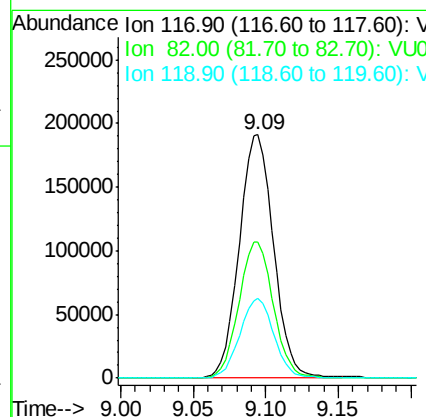
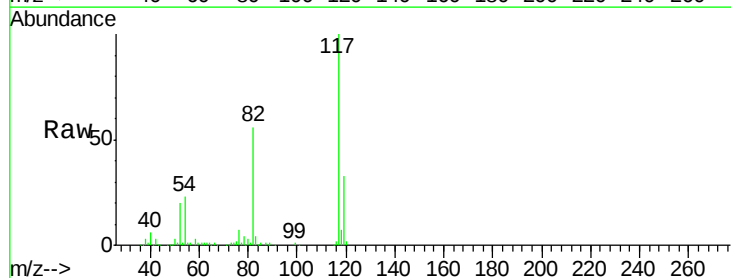
Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-29-31-180622

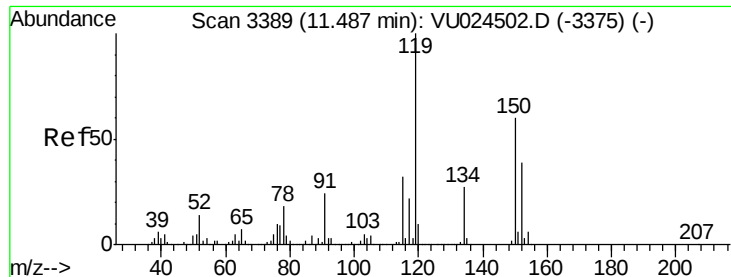
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	165.8
176	80.4	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025024.D
Acq: 28 Jun 2018 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.3	66.5
119	32.5	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: VU025024.D

Acq: 28 Jun 2018 16:41

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-29-31-180622

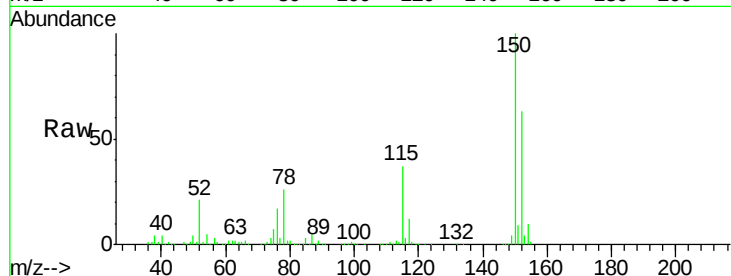
Tgt Ion:152 Resp: 170338

Ion Ratio Lower Upper

152 100

115 57.9 43.0 129.0

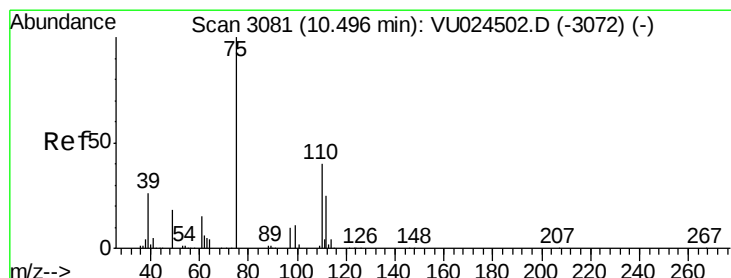
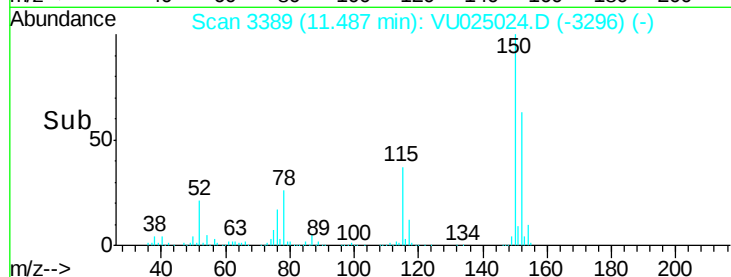
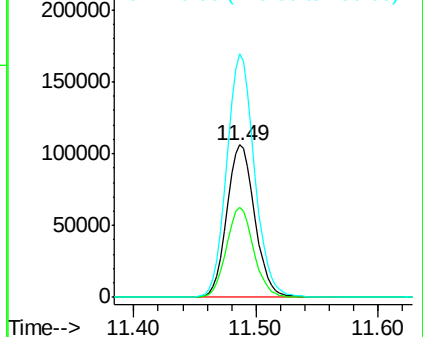
150 158.3 0.0 354.0



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: 26.133 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025024.D

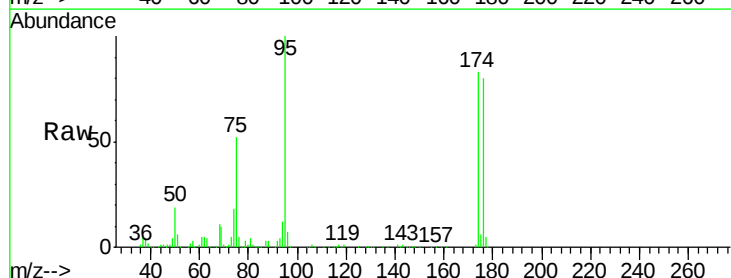
Acq: 28 Jun 2018 16:41

Tgt Ion: 75 Resp: 98004

Ion Ratio Lower Upper

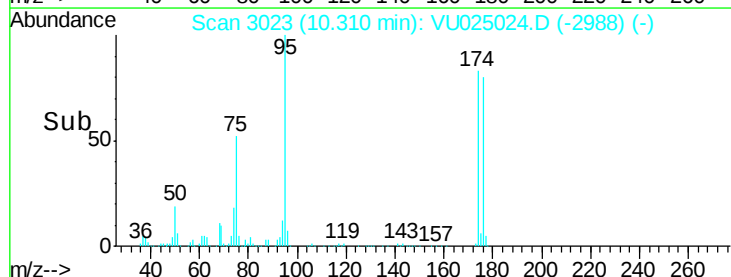
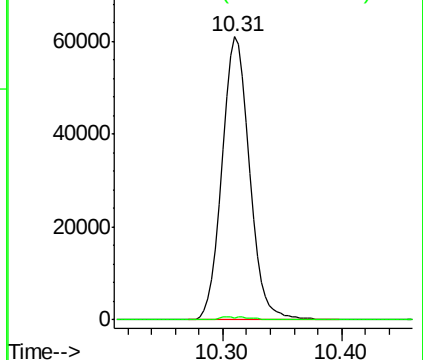
75 100

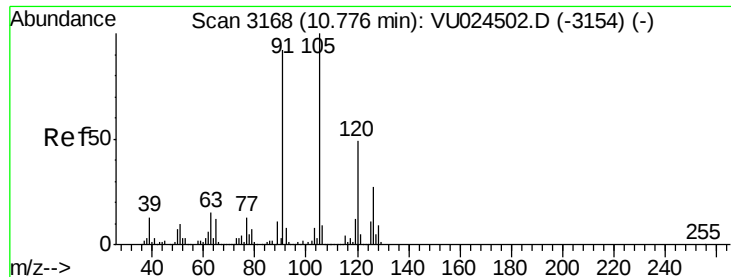
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

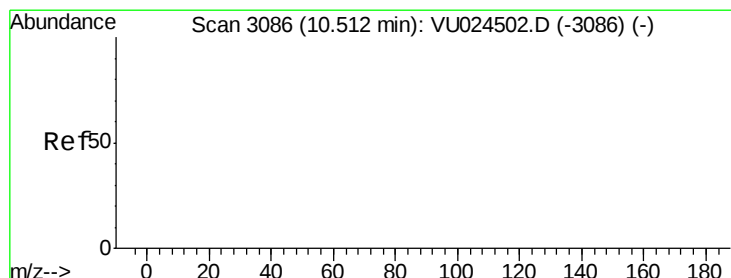
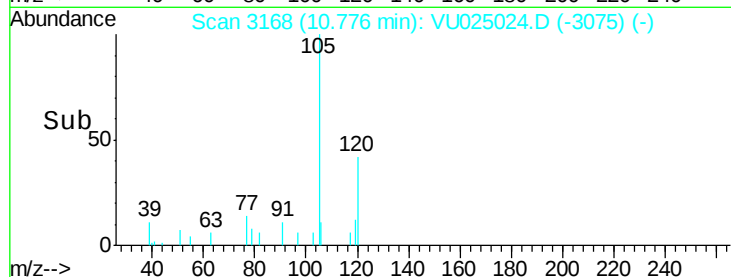
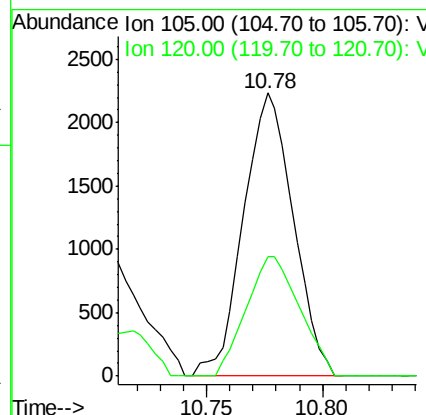
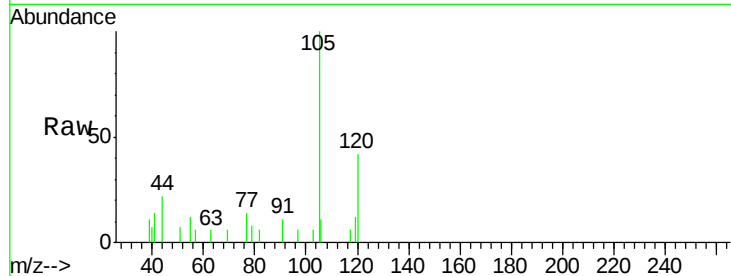




#80
 1,3,5-Trimethylbenzene
 Concen: 0.295 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025024.D
 Acq: 28 Jun 2018 16:41

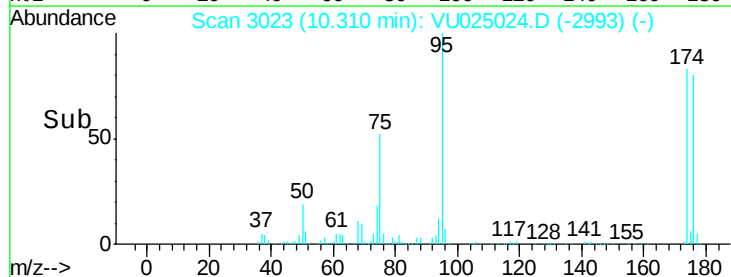
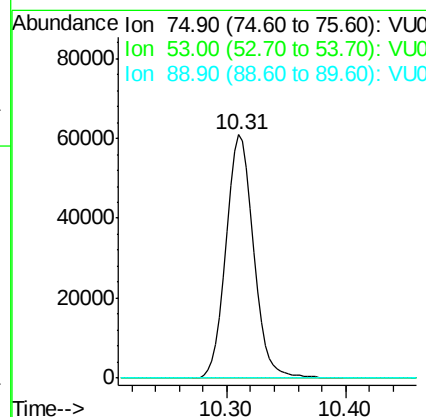
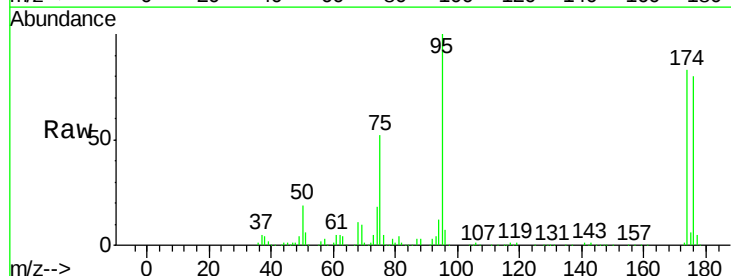
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-29-31-180622

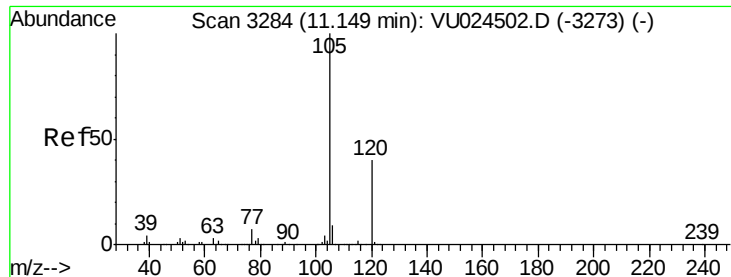
Tgt Ion: 105 Resp: 3343
 Ion Ratio Lower Upper
 105 100
 120 45.3 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.482 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025024.D
 Acq: 28 Jun 2018 16:41

Tgt Ion: 75 Resp: 98004
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

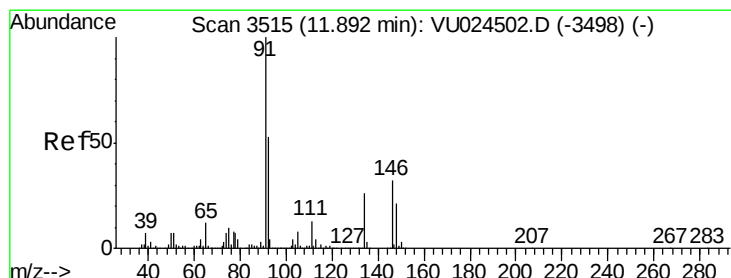
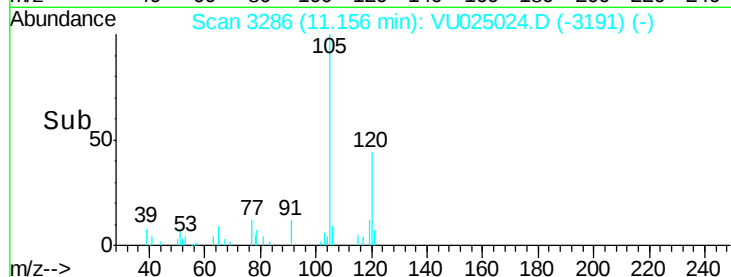
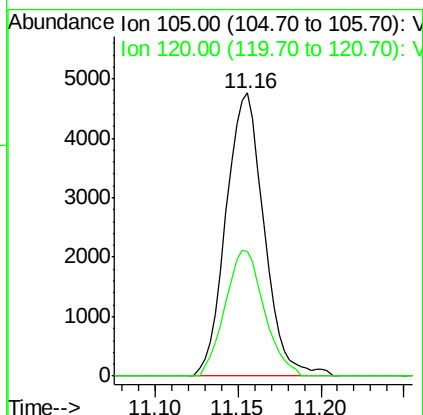
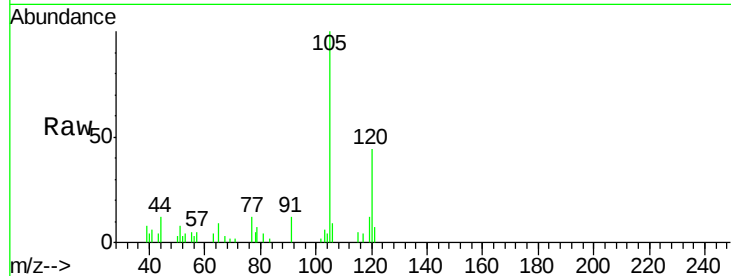




#84
 1,2,4-Trimethylbenzene
 Concen: 0.659 ug/l
 RT: 11.16 min Scan# 3286
 Delta R.T. 0.01 min
 Lab File: VU025024.D
 Acq: 28 Jun 2018 16:41

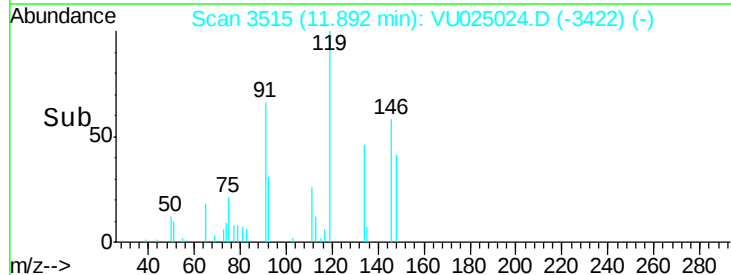
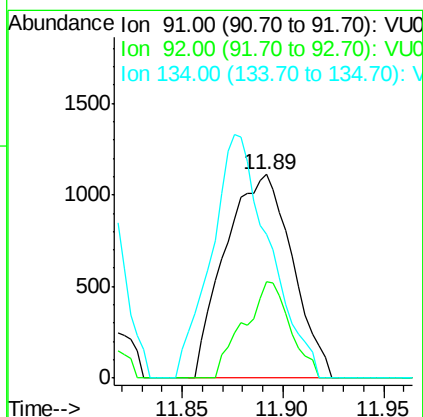
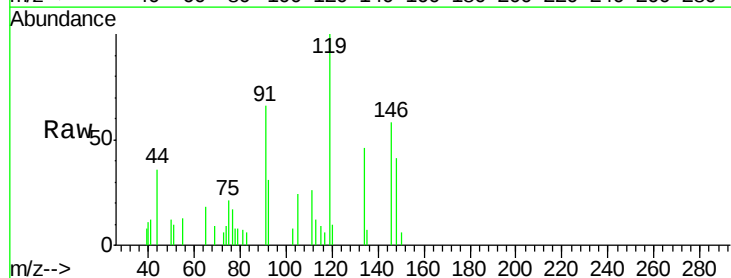
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-29-31-180622

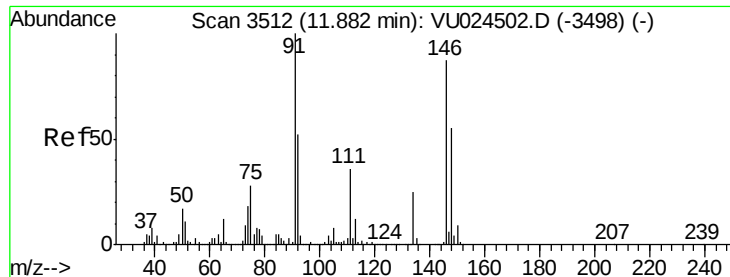
Tgt Ion: 105 Resp: 7615
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.6 67.8



#89
 n-Butylbenzene
 Concen: 0.237 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025024.D
 Acq: 28 Jun 2018 16:41

Tgt Ion: 91 Resp: 2575
 Ion Ratio Lower Upper
 91 100
 92 32.8 25.6 76.8
 134 103.1 12.3 36.8#





#91

1,2-Dichlorobenzene

Concen: 0.336 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025024.D

Acq: 28 Jun 2018 16:41

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-29-31-180622

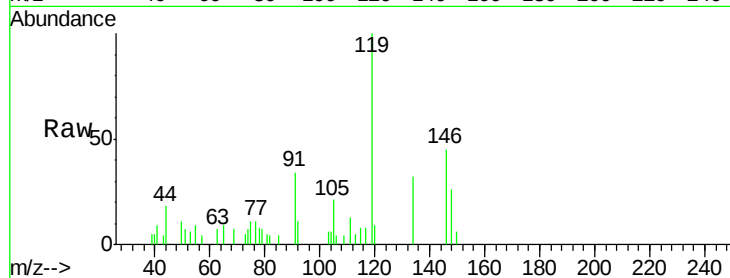
Tgt Ion:146 Resp: 2057

Ion Ratio Lower Upper

146 100

111 35.6 20.5 61.6

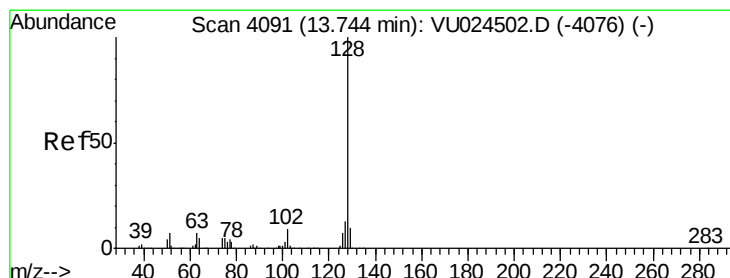
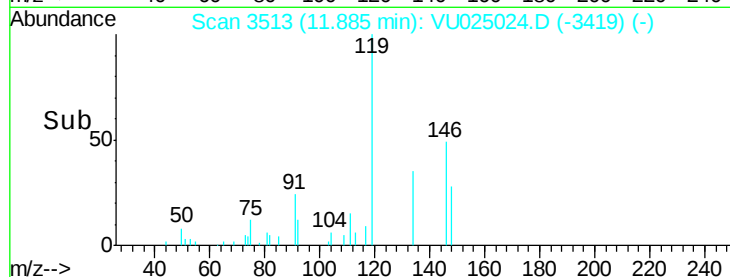
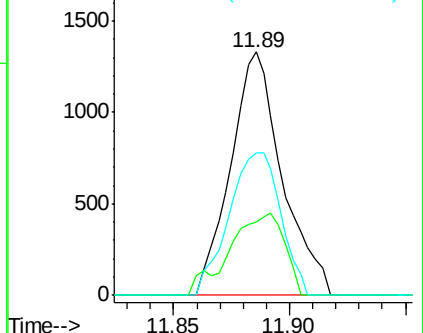
148 58.8 31.9 95.7



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



#95

Naphthalene

Concen: 1.007 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU025024.D

Acq: 28 Jun 2018 16:41

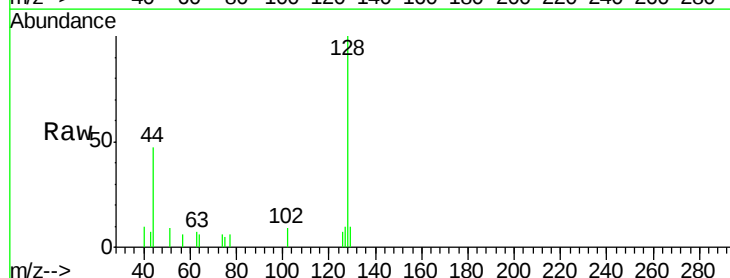
Tgt Ion:128 Resp: 4162

Ion Ratio Lower Upper

128 100

127 8.2 10.6 16.0#

129 10.2 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

