

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025020.D
 Acq On : 28 Jun 2018 15:04
 Operator : MD/SY
 Sample : J3707-08DL 5X
 Misc : 5.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB480-13-15-180622DL

Quant Time: Jun 29 05:06:46 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	233251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	343344	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	315558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	187433	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	171801	45.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.24%	
35) Dibromofluoromethane	4.89	113	131618	46.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.38%	
50) Toluene-d8	7.57	98	495729	47.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.38%	
62) 4-Bromofluorobenzene	10.31	95	193667	46.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.86%	

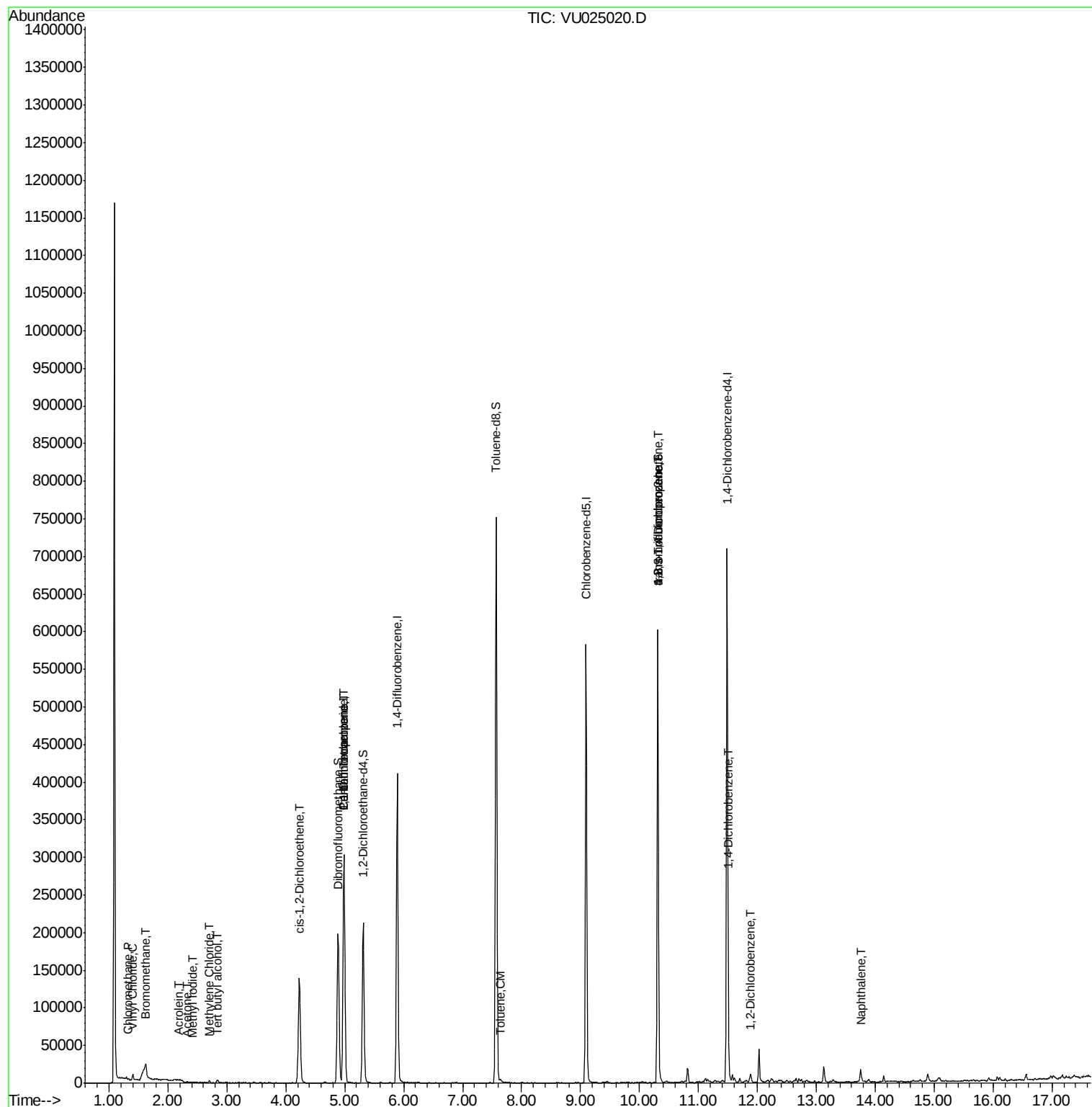
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	775	0.260	ug/l #	82
4) Vinyl Chloride	1.40	62	4213	1.370	ug/l #	87
5) Bromomethane	1.62	94	698	0.469	ug/l #	75
6) Chloroethane	1.70	64	134	Below Cal	#	43
10) Methyl Iodide	2.42	142	299	5.397	ug/l #	73
11) Tert butyl alcohol	2.84	59	2056	2.220	ug/l #	72
13) Acrolein	2.18	56	216	0.444	ug/l	97
16) Acetone	2.33	43	1188	0.581	ug/l	91
20) Methylene Chloride	2.70	84	1227	0.382	ug/l	92
27) cis-1,2-Dichloroethene	4.23	96	79354	23.596	ug/l	86
31) Cyclohexane	4.98	56	4415	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16678	4.134	ug/l #	50
38) Carbon Tetrachloride	4.99	117	23787	5.361	ug/l #	15
52) Toluene	7.64	92	1540	0.208	ug/l	93
76) 1,2,3-Trichloropropane	10.31	75	98745	23.929	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	98745	55.382	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	2257	0.333	ug/l #	53
91) 1,2-Dichlorobenzene	11.89	146	3326	0.493	ug/l	98
95) Naphthalene	13.75	128	13667	1.657	ug/l	95

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025020.D

Acq: 28 Jun 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

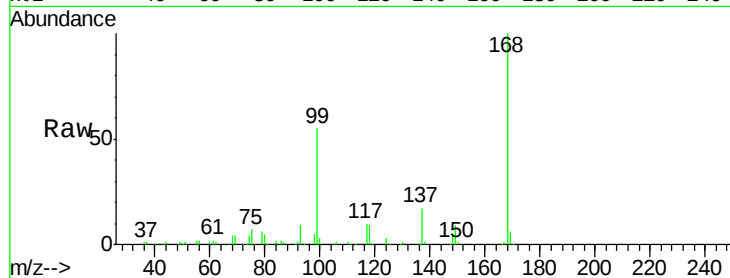
WP021SB480-13-15-180622DL

Tgt Ion:168 Resp: 233251

Ion Ratio Lower Upper

168 100

99 55.2 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) (-)

4.99

120000

100000

80000

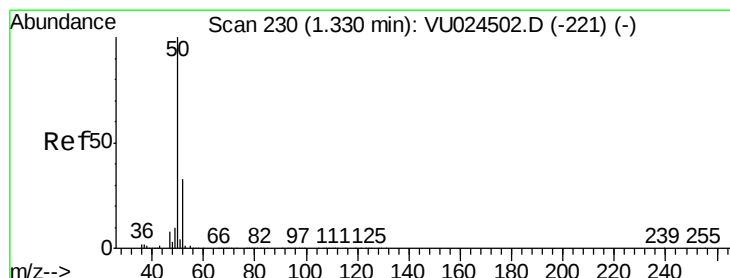
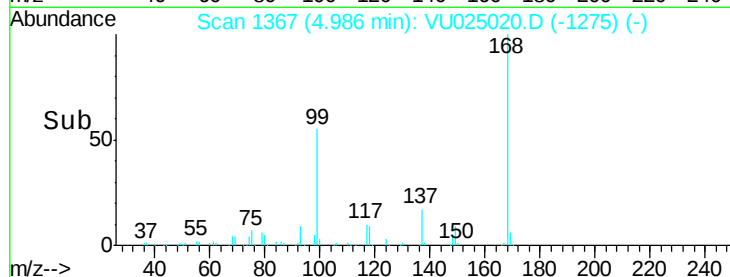
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.260 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU025020.D

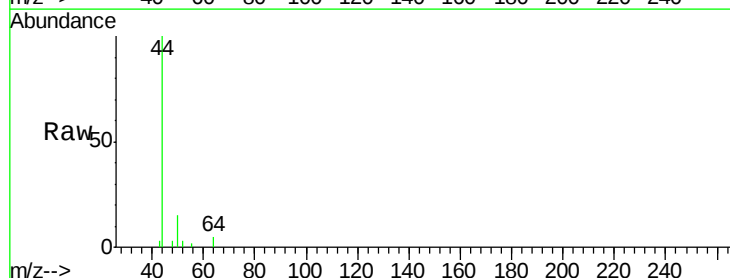
Acq: 28 Jun 2018 15:04

Tgt Ion: 50 Resp: 775

Ion Ratio Lower Upper

50 100

52 22.9 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) (-)

1.32

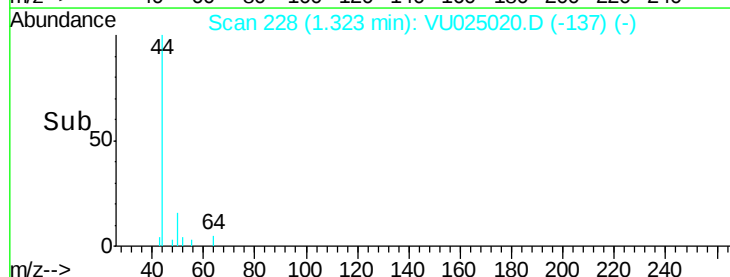
600

400

200

0

Time-->





#4

Vinyl Chloride

Concen: 1.370 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025020.D

Acq: 28 Jun 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

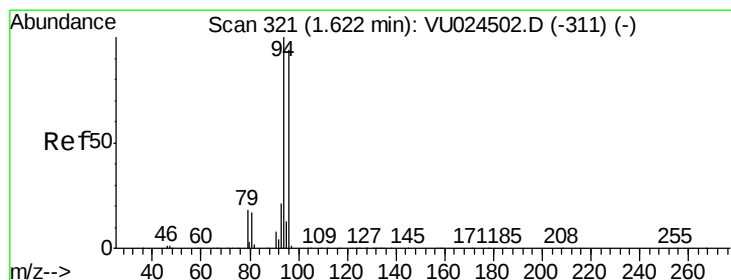
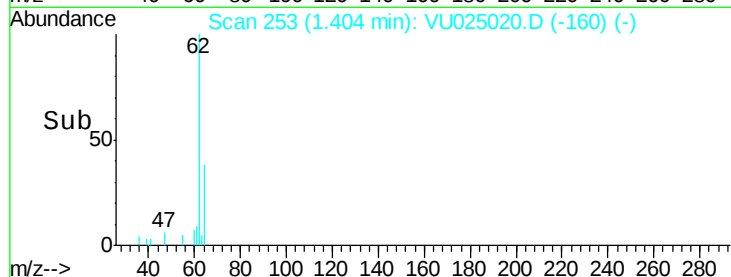
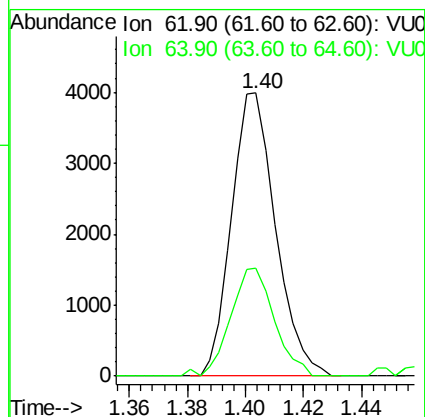
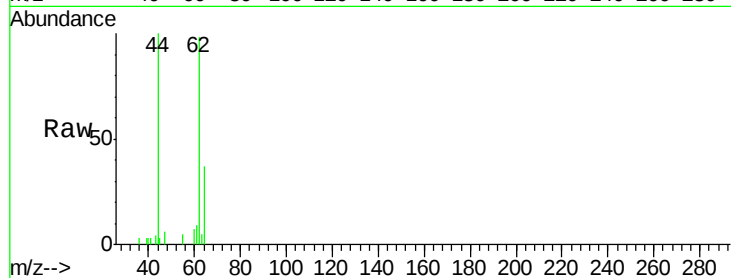
WP021SB480-13-15-180622DL

Tgt Ion: 62 Resp: 4213

Ion Ratio Lower Upper

62 100

64 38.1 24.8 37.2#



#5

Bromomethane

Concen: 0.469 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025020.D

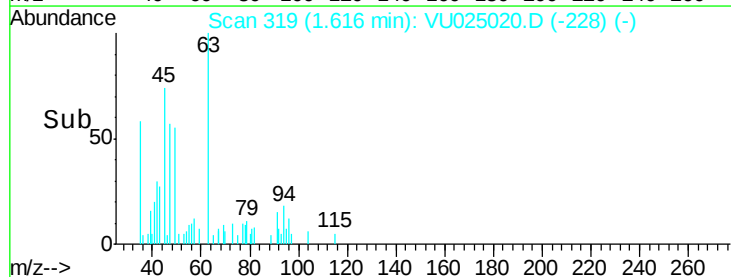
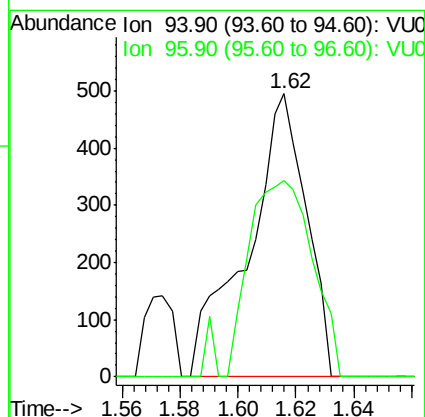
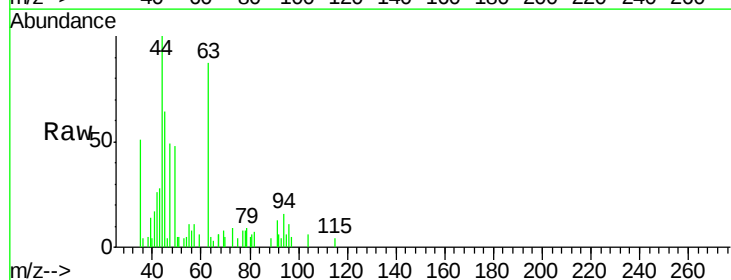
Acq: 28 Jun 2018 15:04

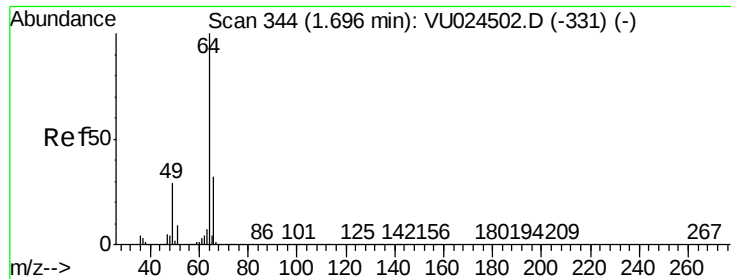
Tgt Ion: 94 Resp: 698

Ion Ratio Lower Upper

94 100

96 69.5 74.5 111.7#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025020.D

Acq: 28 Jun 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

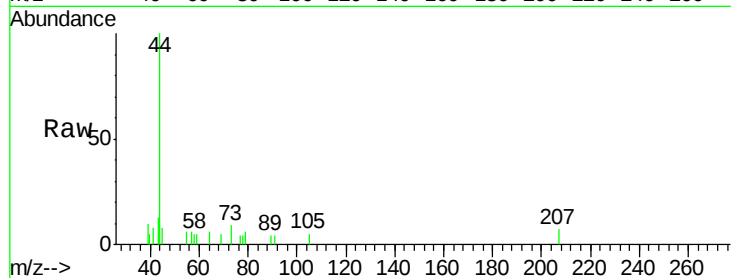
WP021SB480-13-15-180622DL

Tgt Ion: 64 Resp: 134

Ion Ratio Lower Upper

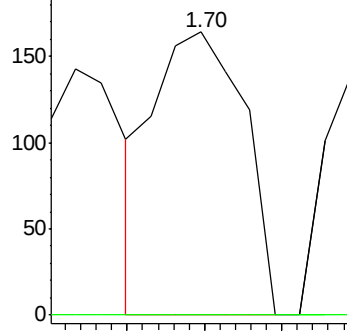
64 100

66 0.0 25.5 38.3#

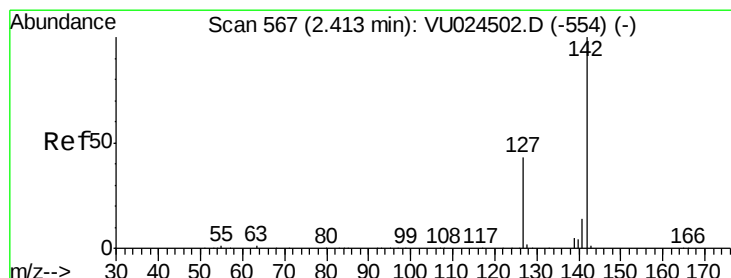
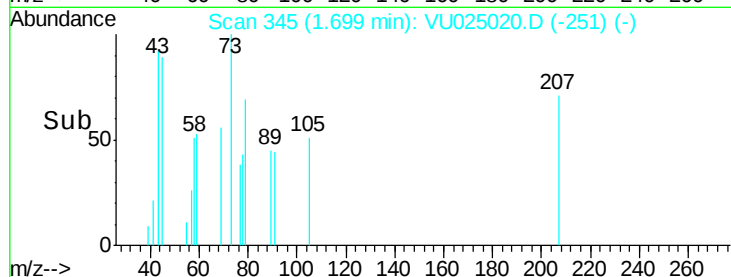


Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->



#10

Methyl Iodide

Concen: 5.397 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025020.D

Acq: 28 Jun 2018 15:04

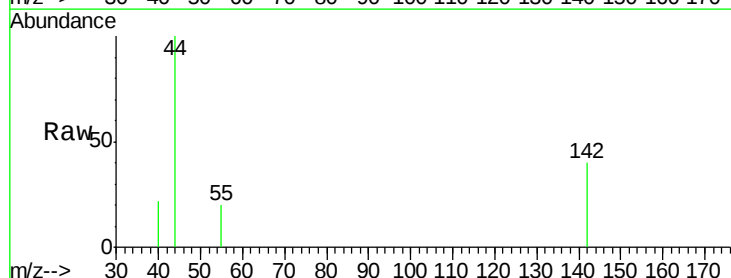
Tgt Ion: 142 Resp: 299

Ion Ratio Lower Upper

142 100

127 28.4 35.6 53.4#

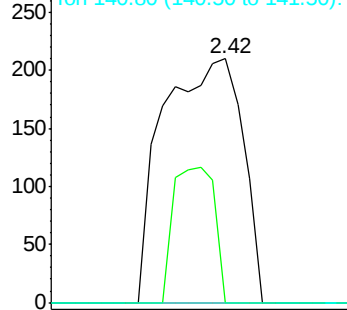
141 0.0 11.7 17.5#



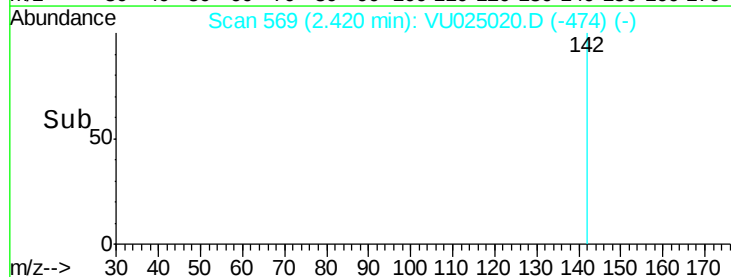
Abundance Ion 141.80 (141.50 to 142.50): V

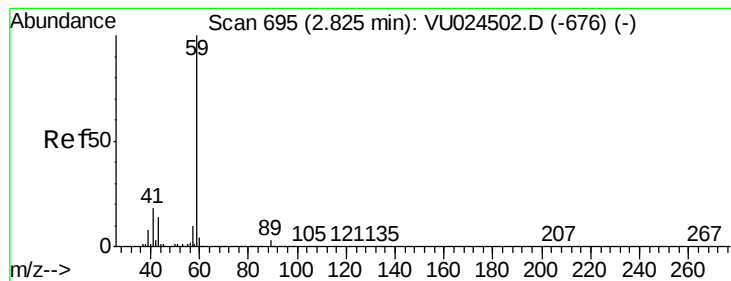
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



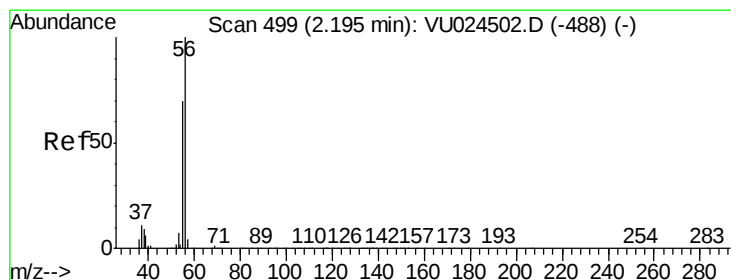
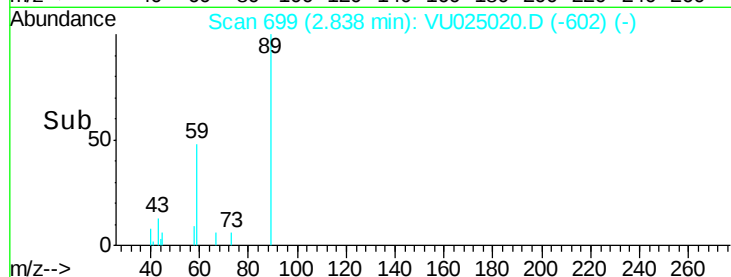
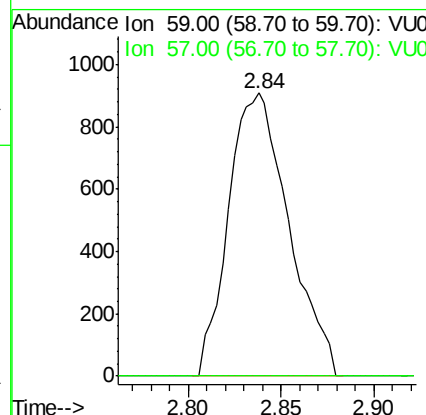
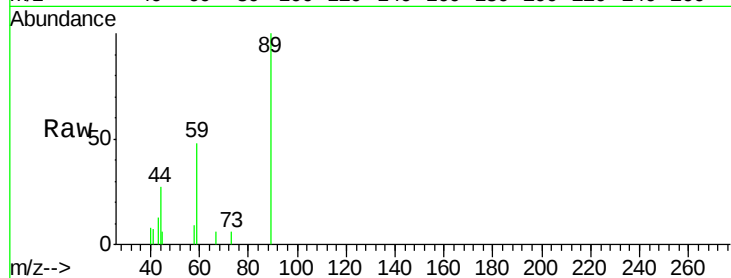


#11

Tert butyl alcohol
 Concen: 2.220 ug/l
 RT: 2.84 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: VU025020.D
 Acq: 28 Jun 2018 15:04

Instrument :
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 WP021SB480-13-15-180622DL

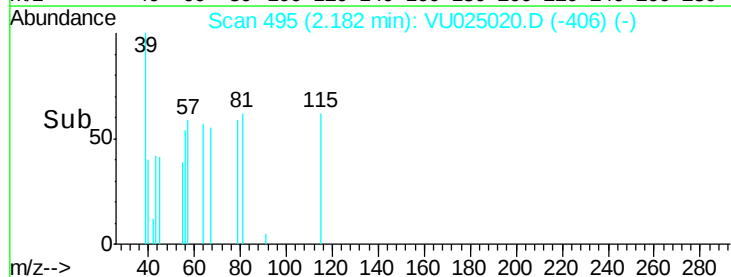
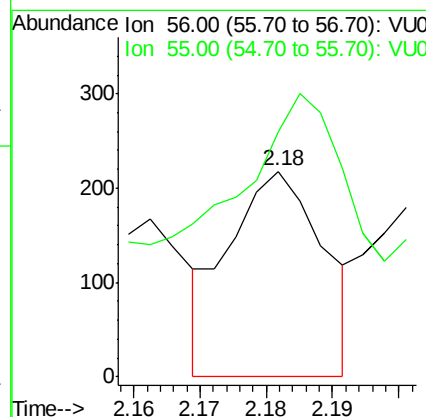
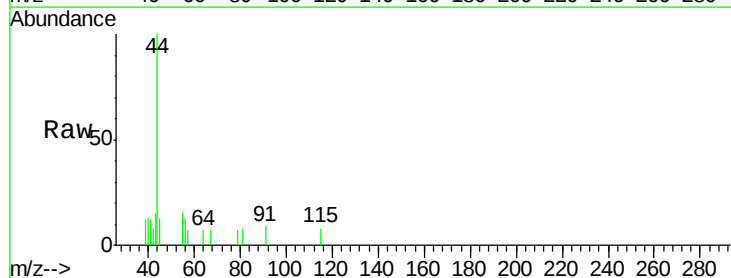
Tgt Ion: 59 Resp: 2056
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

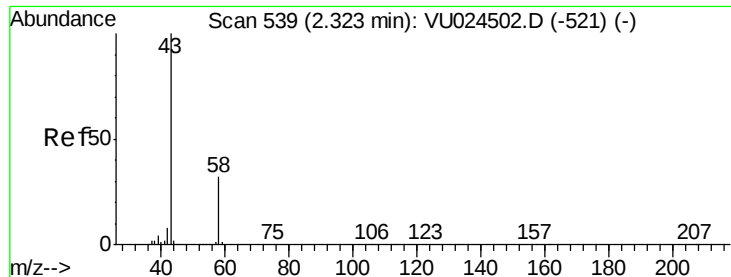


#13

Acrolein
 Concen: 0.444 ug/l
 RT: 2.18 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VU025020.D
 Acq: 28 Jun 2018 15:04

Tgt Ion: 56 Resp: 216
 Ion Ratio Lower Upper
 56 100
 55 75.9 58.4 87.6





#16

Acetone

Concen: 0.581 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025020.D

Acq: 28 Jun 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

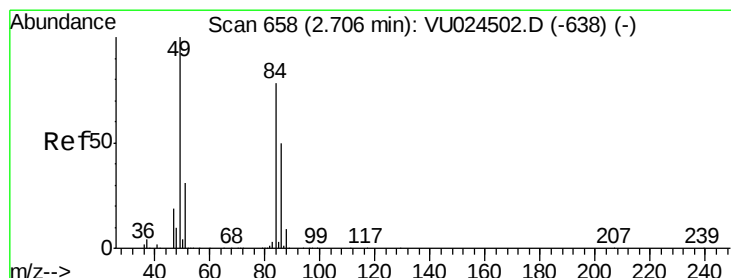
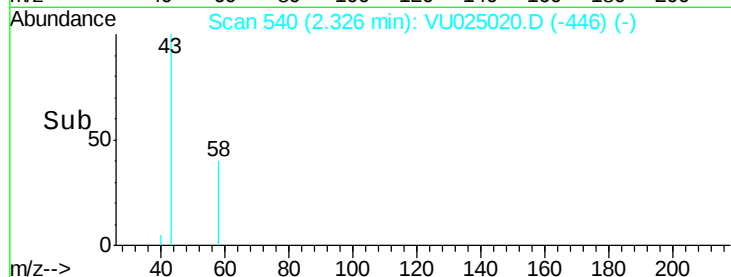
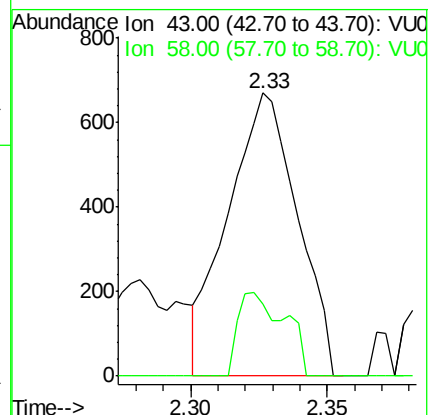
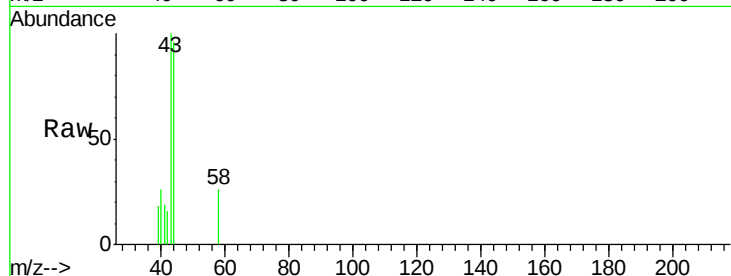
WP021SB480-13-15-180622DL

Tgt Ion: 43 Resp: 1188

Ion Ratio Lower Upper

43 100

58 25.5 24.4 36.6



#20

Methylene Chloride

Concen: 0.382 ug/l

RT: 2.70 min Scan# 656

Delta R.T. -0.01 min

Lab File: VU025020.D

Acq: 28 Jun 2018 15:04

Tgt Ion: 84 Resp: 1227

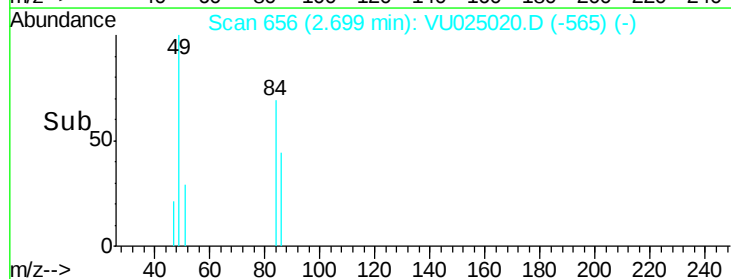
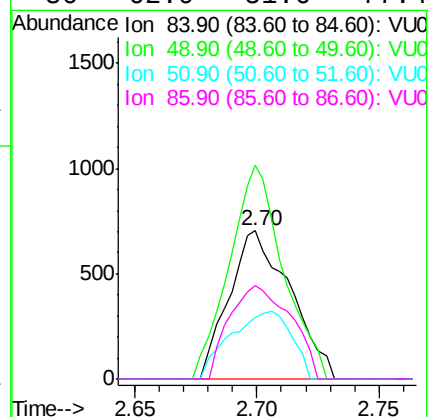
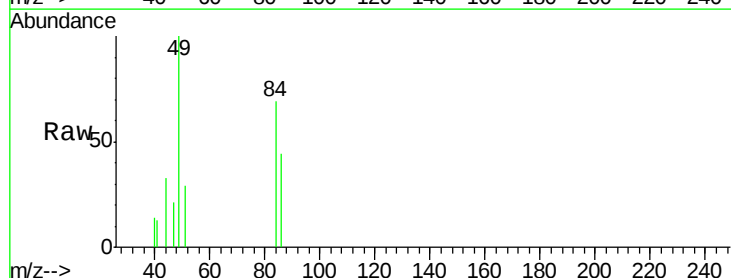
Ion Ratio Lower Upper

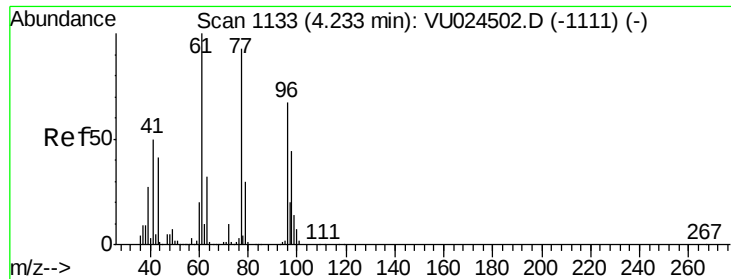
84 100

49 144.2 103.8 155.8

51 41.9 32.0 48.0

86 62.9 51.6 77.4

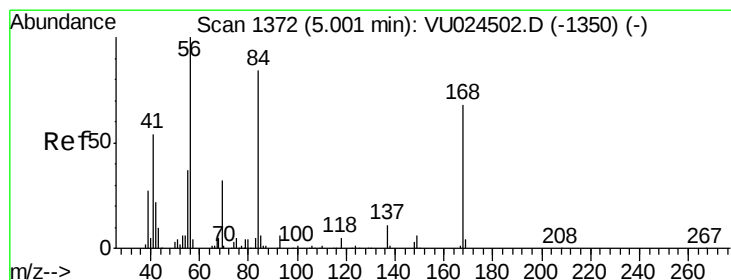
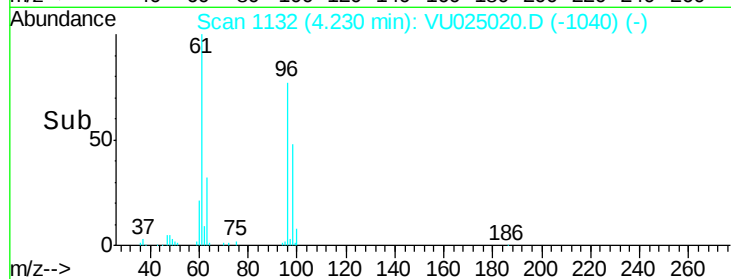
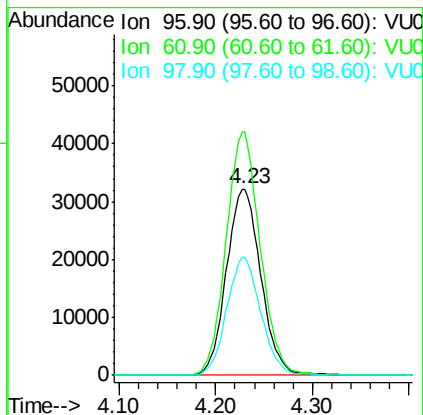
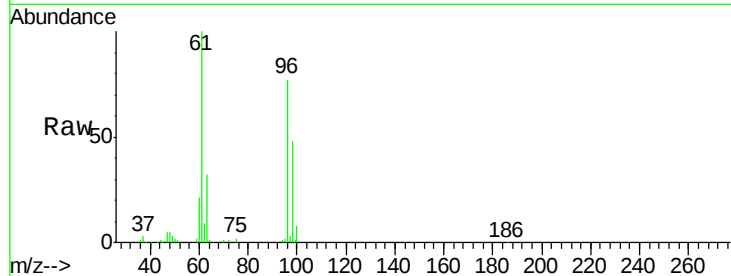




#27
 cis-1,2-Dichloroethene
 Concen: 23.596 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025020.D
 Acq: 28 Jun 2018 15:04

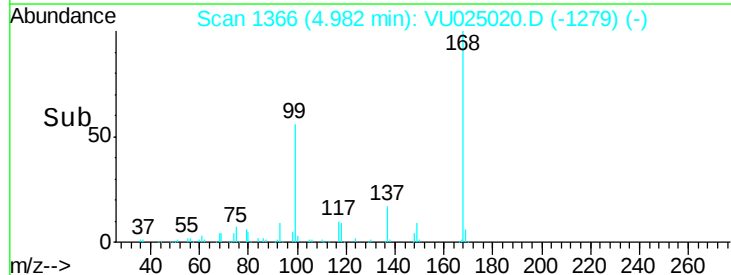
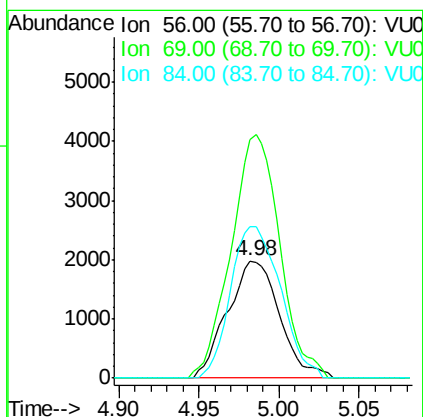
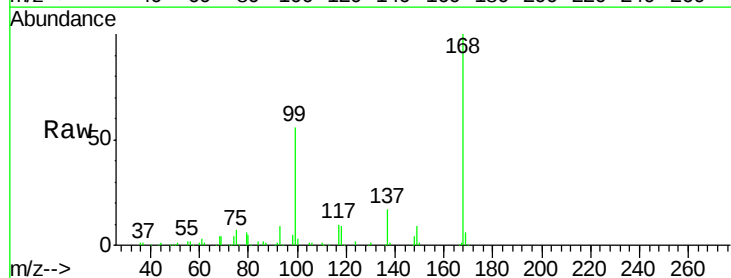
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB480-13-15-180622DL

Tgt Ion: 96 Resp: 79354
 Ion Ratio Lower Upper
 96 100
 61 129.6 0.0 306.6
 98 62.8 0.0 128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.02 min
 Lab File: VU025020.D
 Acq: 28 Jun 2018 15:04

Tgt Ion: 56 Resp: 4415
 Ion Ratio Lower Upper
 56 100
 69 203.5 24.8 37.2#
 84 129.1 65.2 97.8#

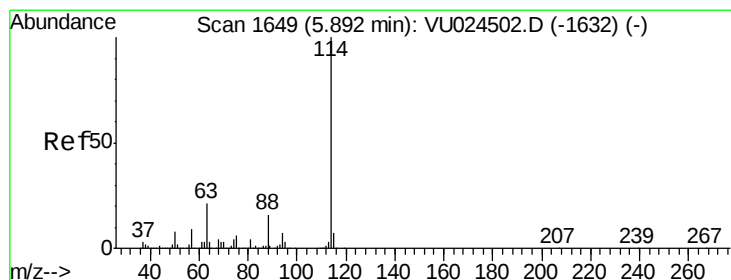
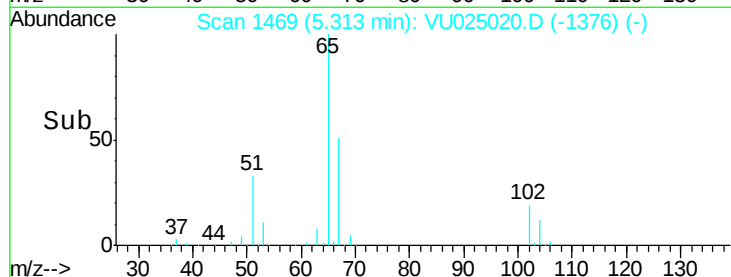
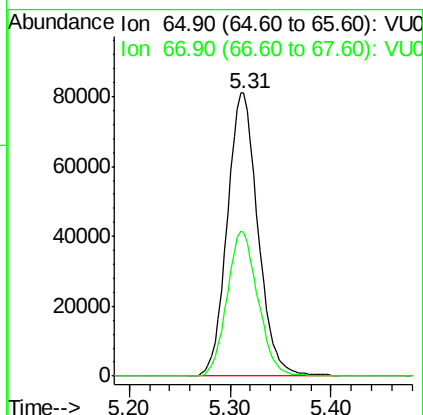
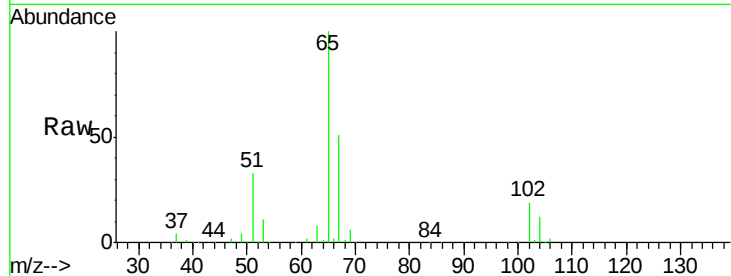




#33
 1,2-Dichloroethane-d4
 Concen: 45.117 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025020.D
 Acq: 28 Jun 2018 15:04

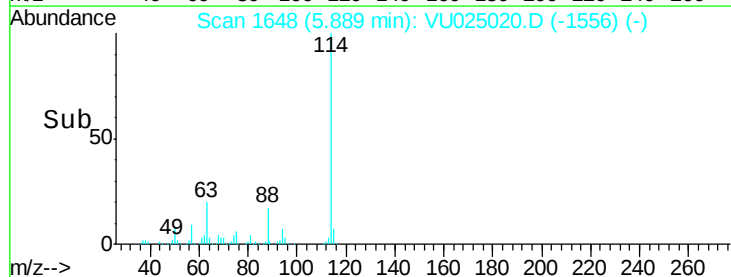
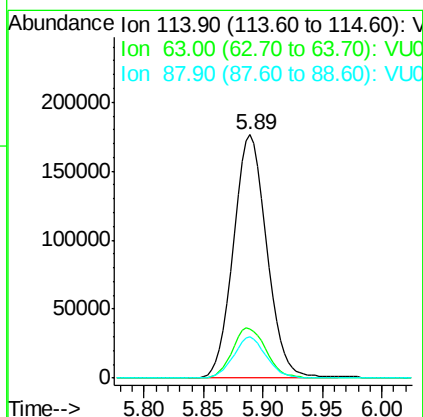
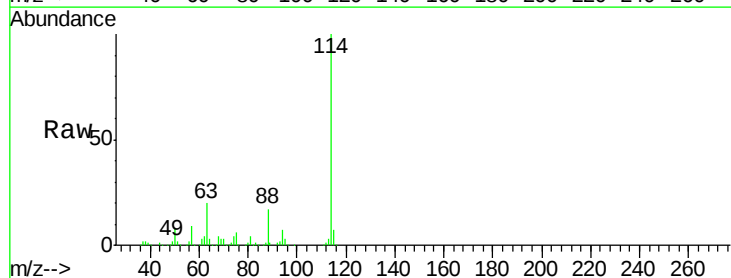
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB480-13-15-180622DL

Tgt Ion: 65 Resp: 171801
 Ion Ratio Lower Upper
 65 100
 67 51.6 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: VU025020.D
 Acq: 28 Jun 2018 15:04

Tgt Ion: 114 Resp: 343344
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 45.4
 88 16.9 0.0 31.0

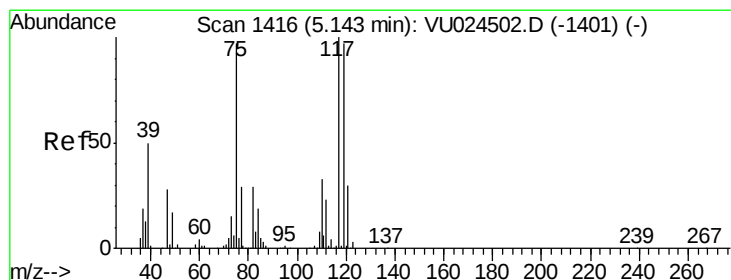
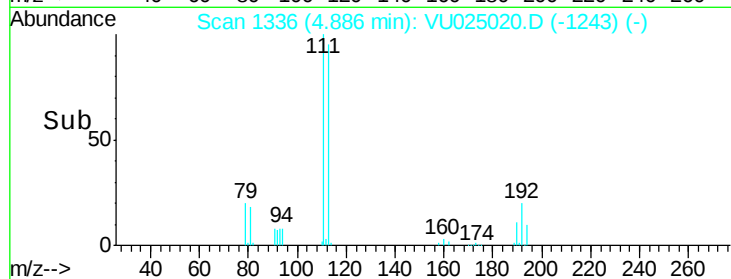
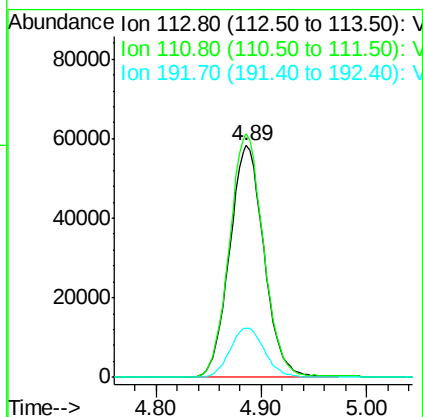
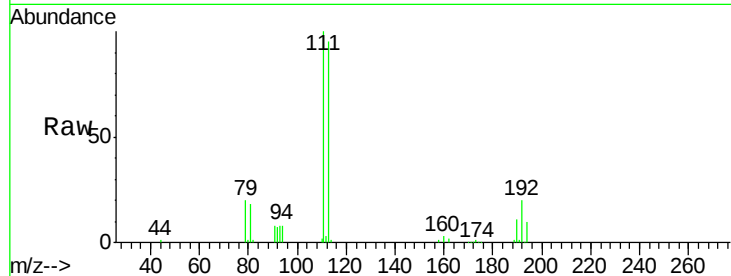




#35
 Dibromofluoromethane
 Concen: 46.190 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025020.D
 Acq: 28 Jun 2018 15:04

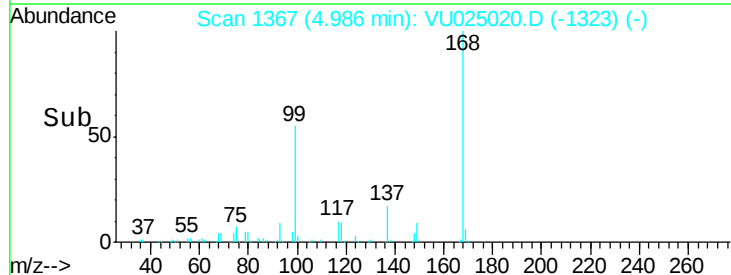
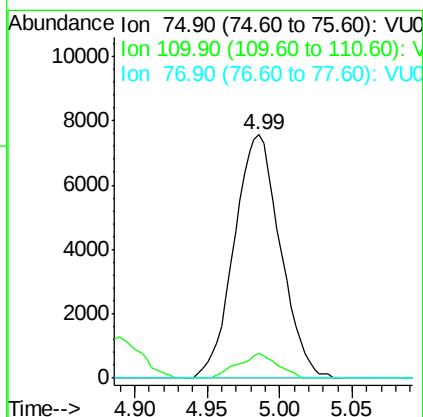
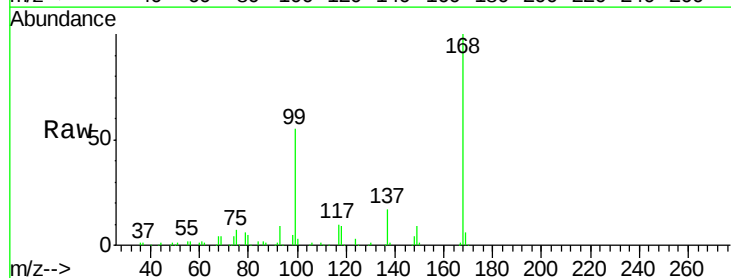
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB480-13-15-180622DL

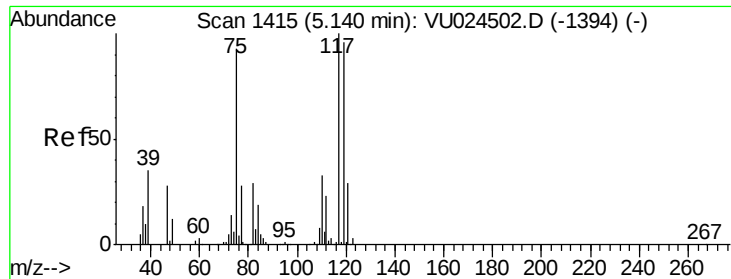
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.2	123.4
192	21.4	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.134 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025020.D
 Acq: 28 Jun 2018 15:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.361 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025020.D

Acq: 28 Jun 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

WP021SB480-13-15-180622DL

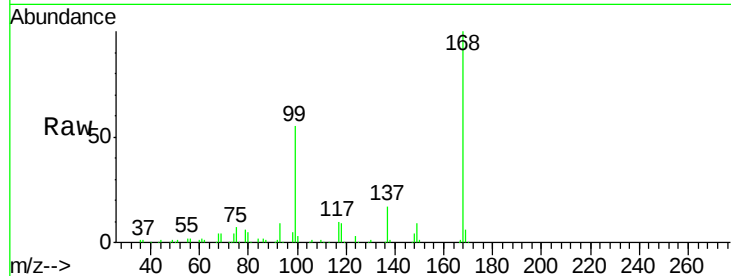
Tgt Ion:117 Resp: 23787

Ion Ratio Lower Upper

117 100

119 3.5 76.1 114.1#

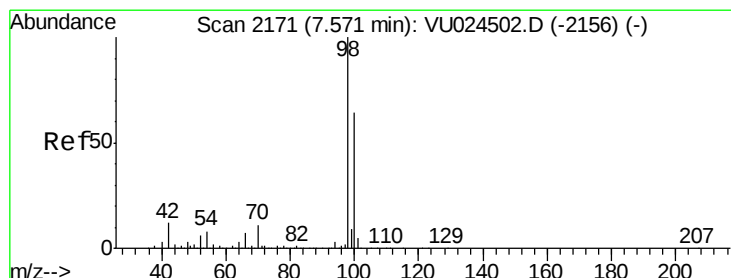
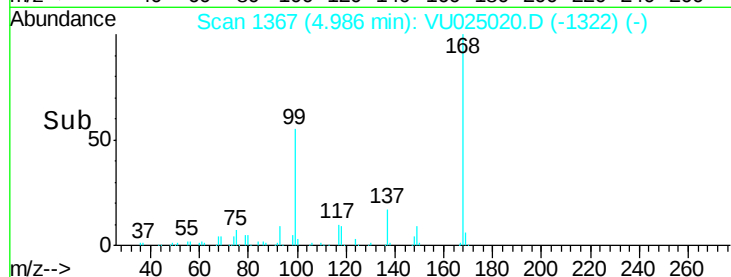
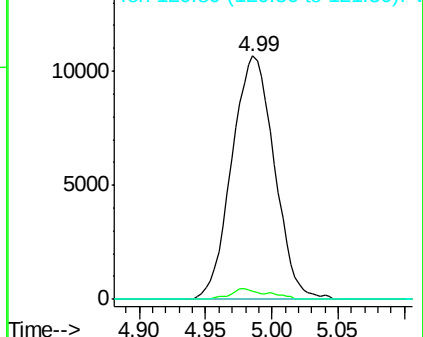
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 47.695 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025020.D

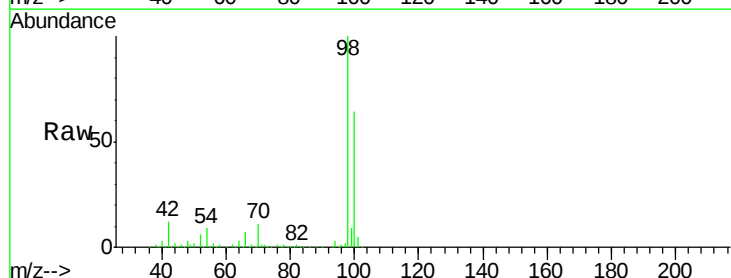
Acq: 28 Jun 2018 15:04

Tgt Ion: 98 Resp: 495729

Ion Ratio Lower Upper

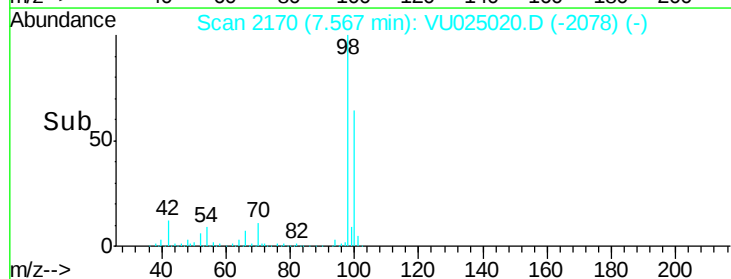
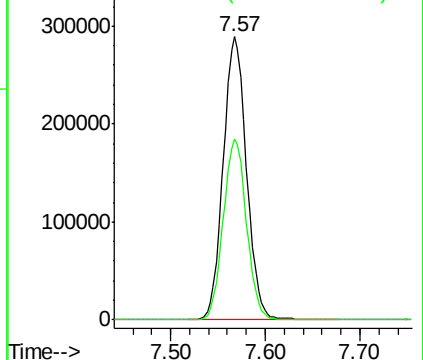
98 100

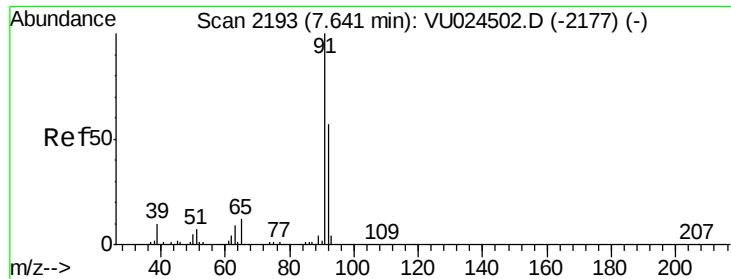
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#52

Toluene

Concen: 0.208 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025020.D

Acq: 28 Jun 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

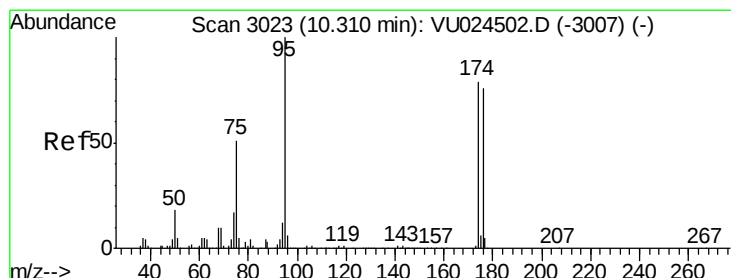
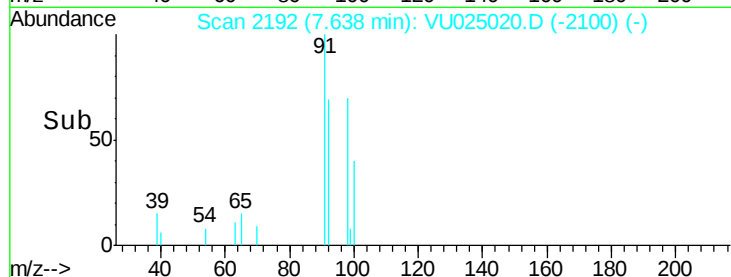
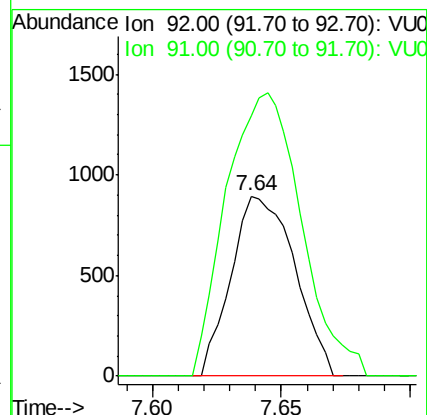
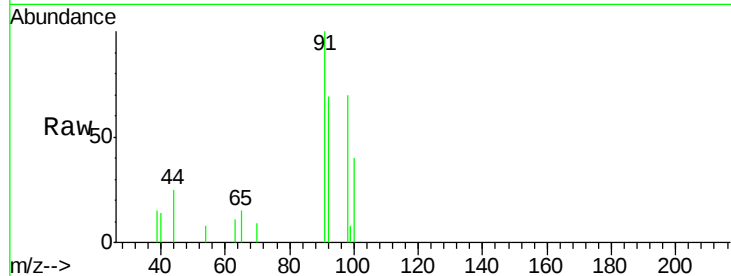
WP021SB480-13-15-180622DL

Tgt Ion: 92 Resp: 1540

Ion Ratio Lower Upper

92 100

91 185.9 140.5 210.7



#62

4-Bromofluorobenzene

Concen: 46.930 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025020.D

Acq: 28 Jun 2018 15:04

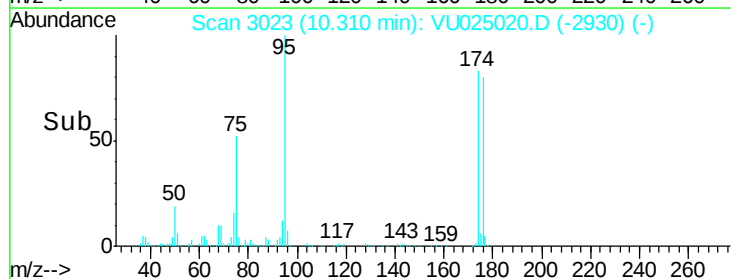
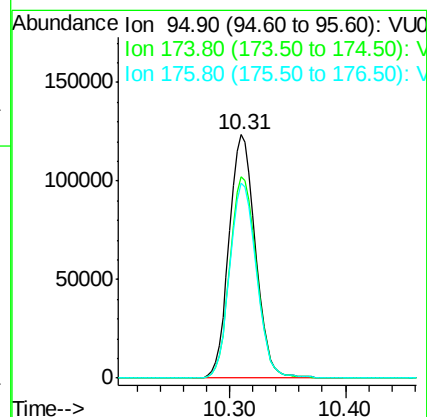
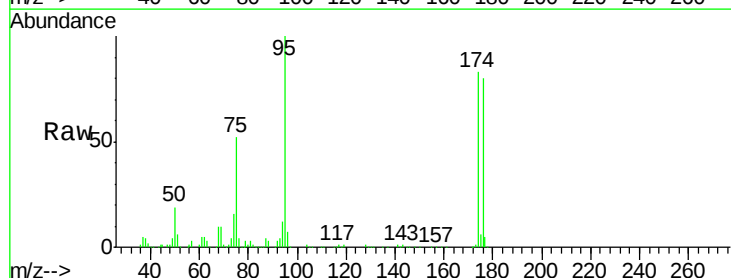
Tgt Ion: 95 Resp: 193667

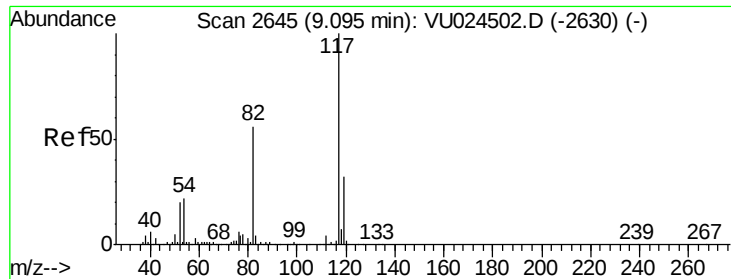
Ion Ratio Lower Upper

95 100

174 83.7 0.0 165.8

176 81.2 0.0 159.4

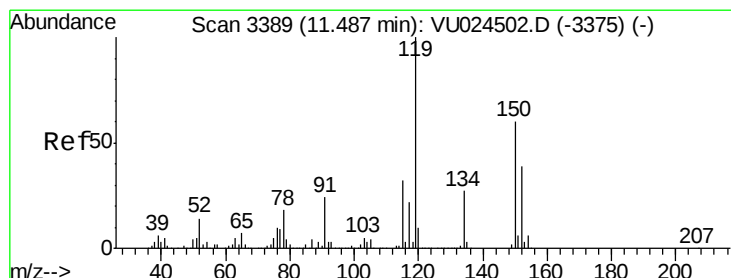
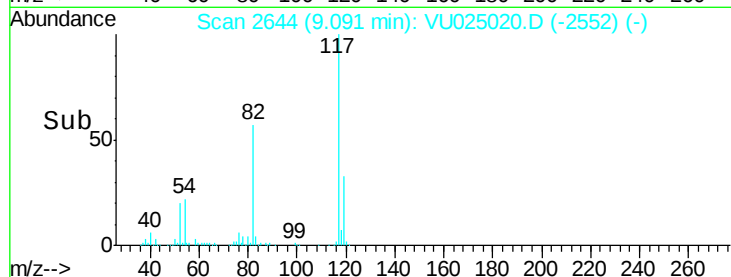
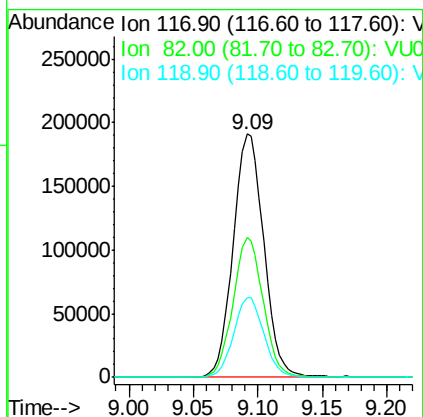
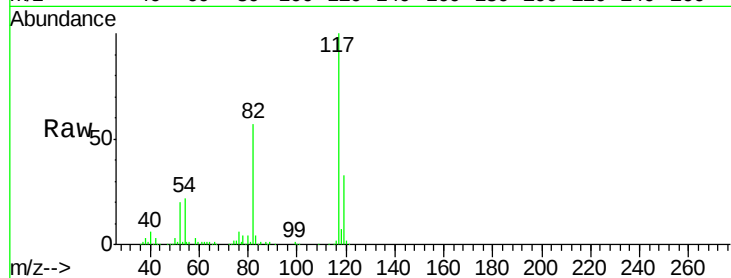




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025020.D
Acq: 28 Jun 2018 15:04

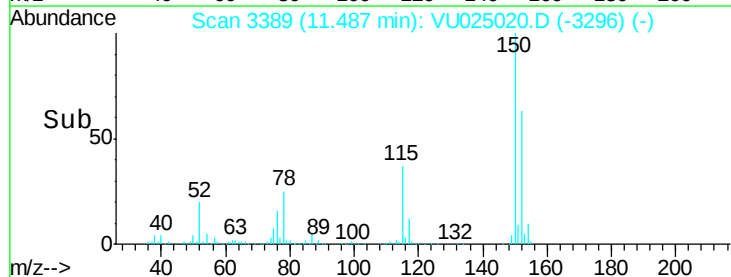
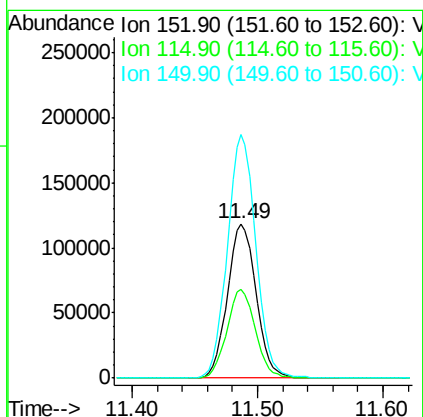
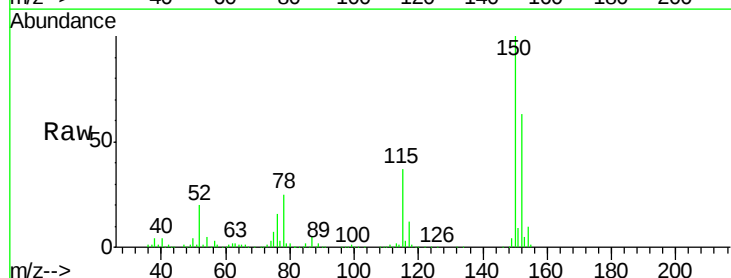
Instrument :
MSVOA_U
ClientSampleId :
WP021SB480-13-15-180622DL

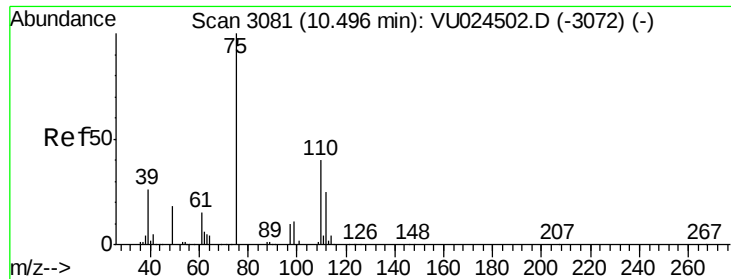
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.3	66.5
119	32.9	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025020.D
Acq: 28 Jun 2018 15:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	43.0	129.0
150	156.7	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 23.929 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025020.D

Acq: 28 Jun 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

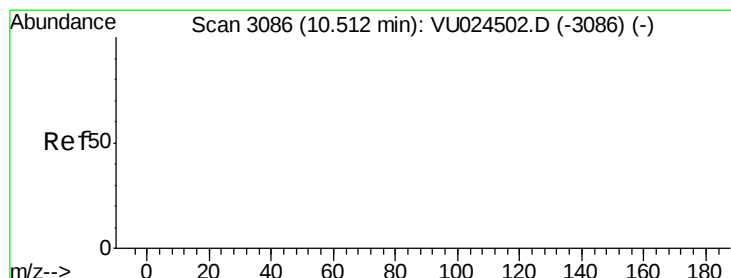
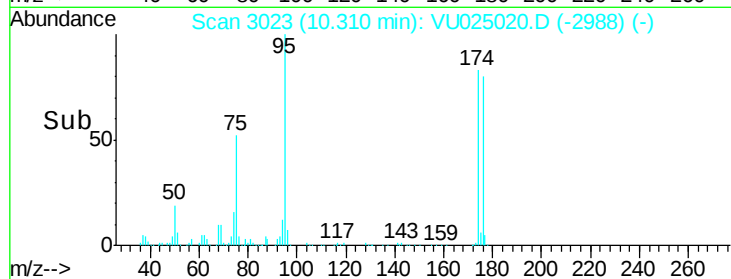
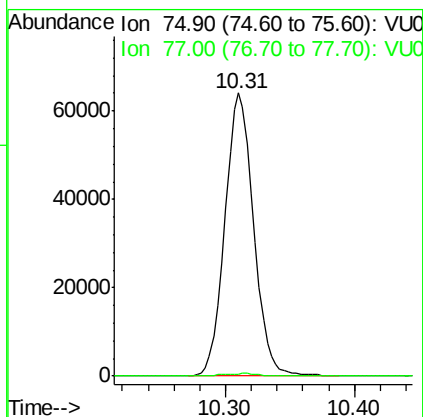
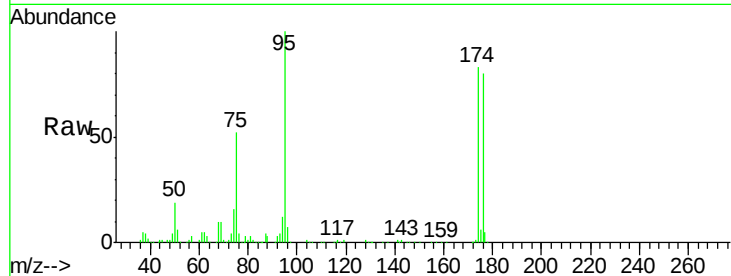
WP021SB480-13-15-180622DL

Tgt Ion: 75 Resp: 98745

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.382 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025020.D

Acq: 28 Jun 2018 15:04

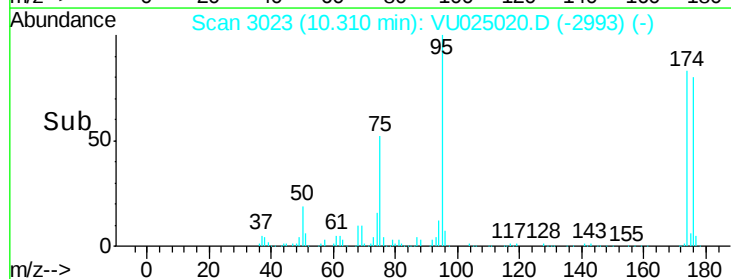
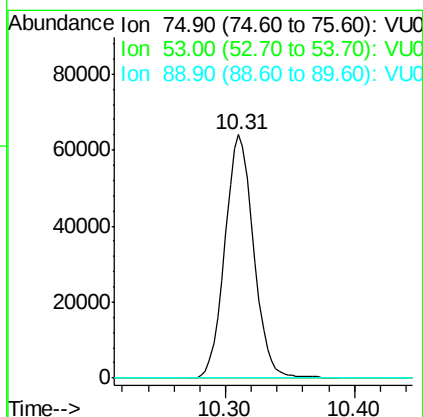
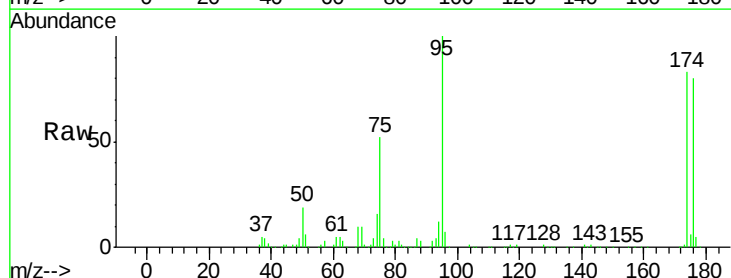
Tgt Ion: 75 Resp: 98745

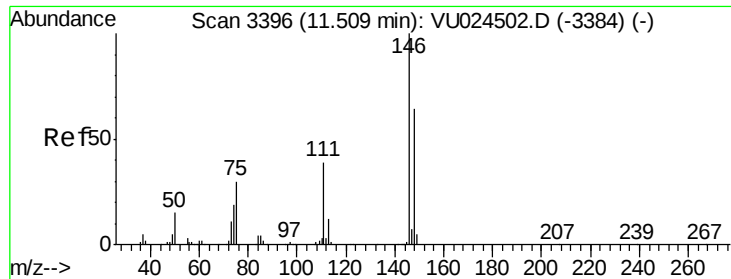
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

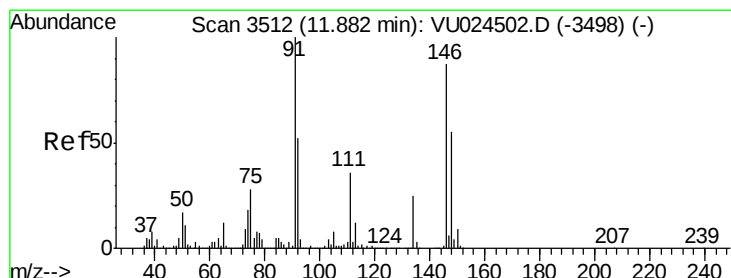
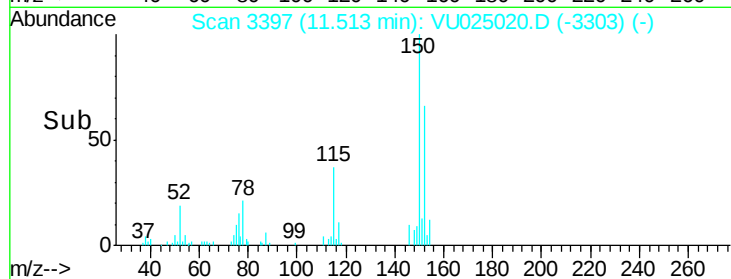
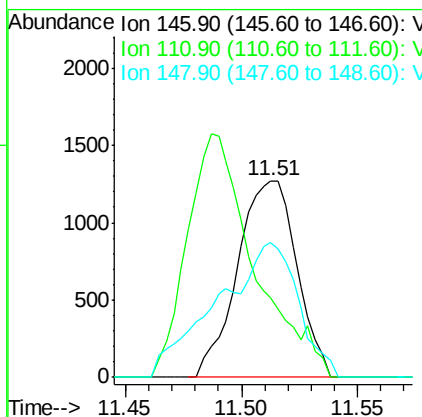
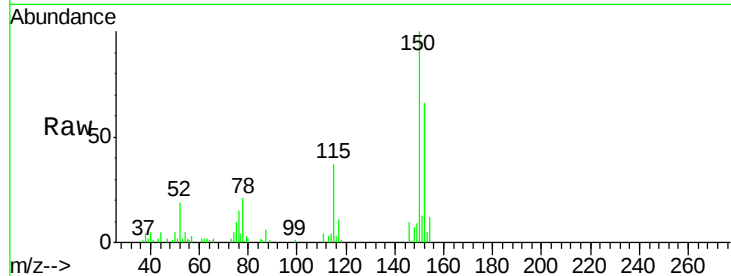




#88
 1,4-Dichlorobenzene
 Concen: 0.333 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025020.D
 Acq: 28 Jun 2018 15:04

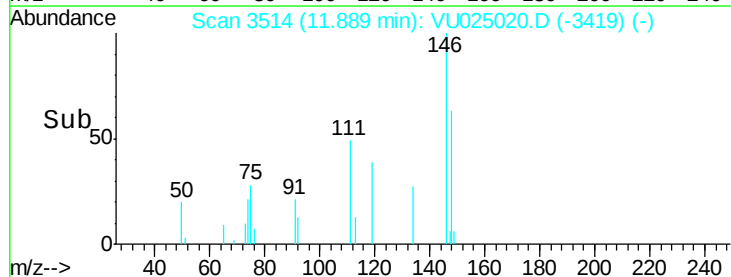
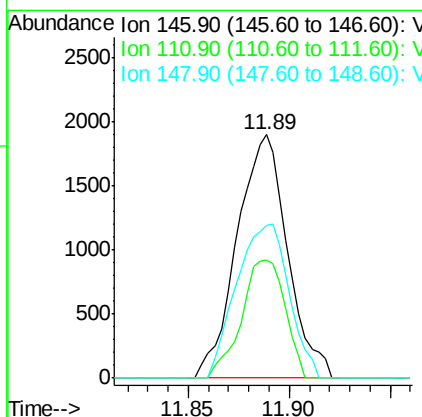
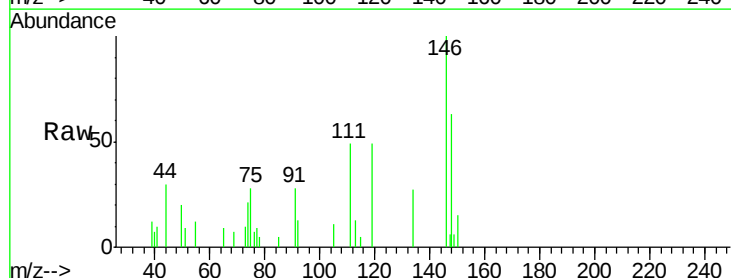
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB480-13-15-180622DL

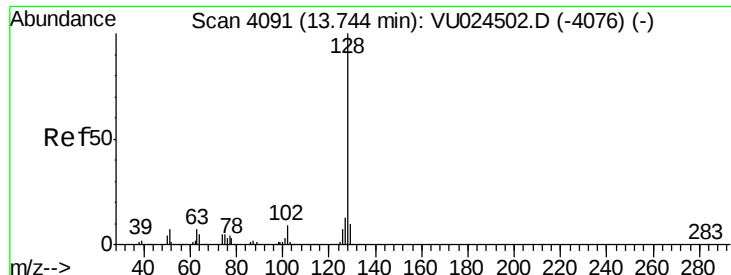
Tgt Ion:146 Resp: 2257
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.5 58.5#
 148 93.9 32.4 97.0



#91
 1,2-Dichlorobenzene
 Concen: 0.493 ug/l
 RT: 11.89 min Scan# 3514
 Delta R.T. 0.01 min
 Lab File: VU025020.D
 Acq: 28 Jun 2018 15:04

Tgt Ion:146 Resp: 3326
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.5 61.6
 148 65.8 31.9 95.7





#95

Naphthalene

Concen: 1.657 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU025020.D

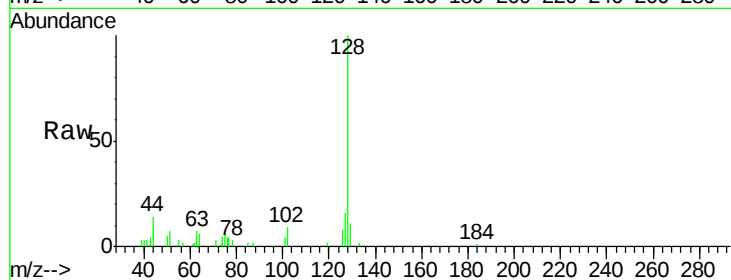
Acq: 28 Jun 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

WP021SB480-13-15-180622DL



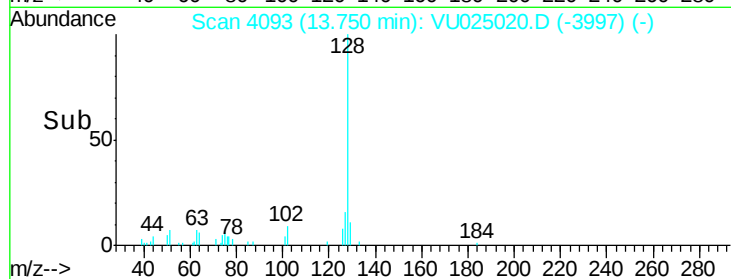
Tgt Ion:128 Resp: 13667

Ion Ratio Lower Upper

128 100

127 15.5 10.6 16.0

129 12.1 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

