

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024968.D
 Acq On : 27 Jun 2018 15:51
 Operator : MD/SY
 Sample : J3664-11ME
 Misc : 5.45g/5.0mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB476-33-35-180619ME

Quant Time: Jun 28 02:26:48 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	4.98	168	233918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	351442	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	337440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	195291	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	175268	45.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.80%	
35) Dibromofluoromethane	4.89	113	136171	46.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.38%	
50) Toluene-d8	7.57	98	512858	48.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	10.32	95	207328	49.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.16%	

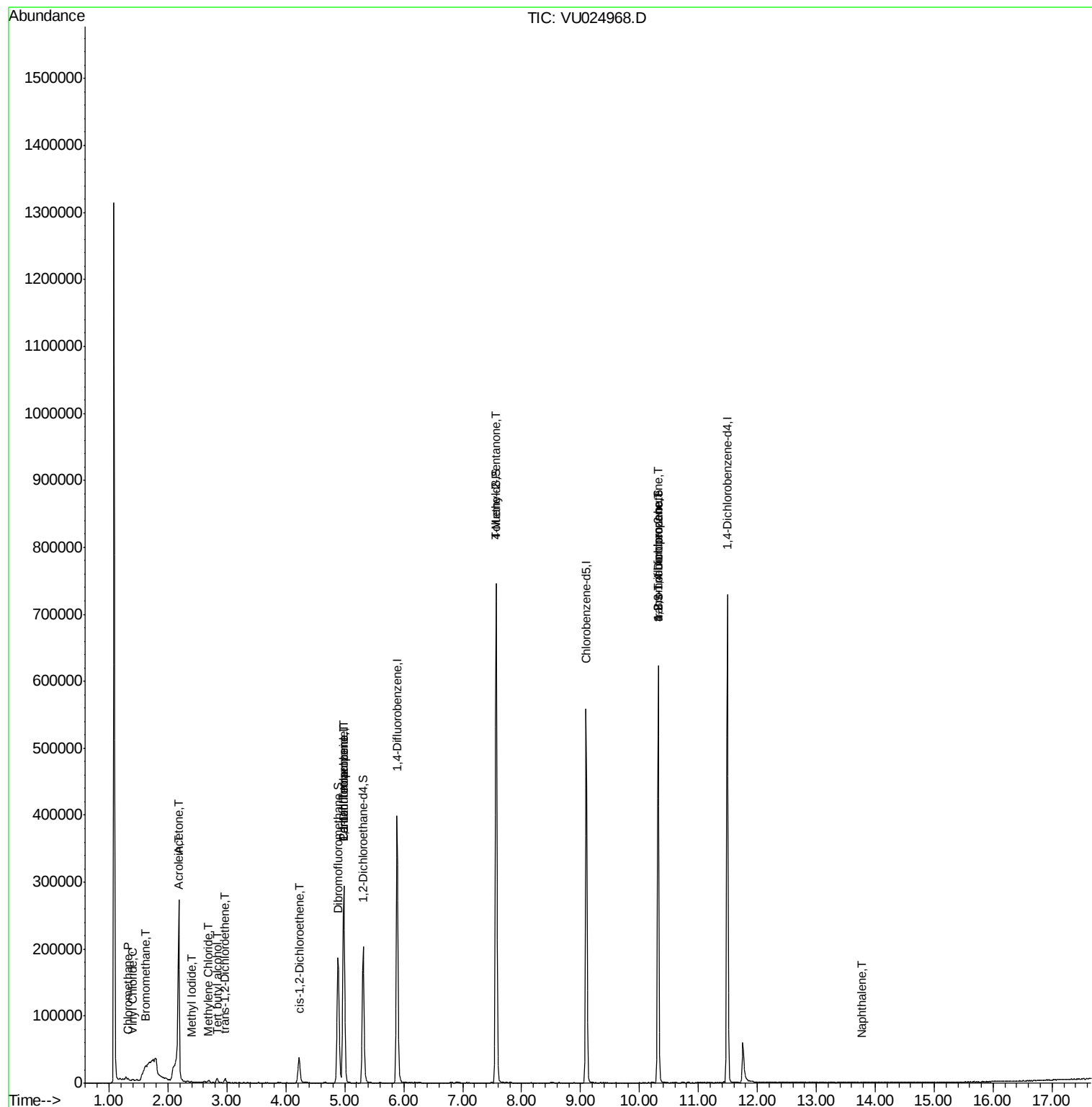
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1093	0.365	ug/l	96
4) Vinyl Chloride	1.40	62	1589	0.515	ug/l #	59
5) Bromomethane	1.61	94	734	0.492	ug/l	81
6) Chloroethane	1.70	64	119	Below Cal	#	1
8) Diethyl Ether	2.18	74	20	Below Cal	#	1
10) Methyl Iodide	2.39	142	493	5.467	ug/l #	78
11) Tert butyl alcohol	2.83	59	3874	4.171	ug/l #	72
13) Acrolein	2.20	56	171	0.351	ug/l #	13
16) Acetone	2.18	43	69943	34.088	ug/l #	44
20) Methylene Chloride	2.69	84	1607	0.499	ug/l	88
21) trans-1,2-Dichloroethene	2.97	96	2719	0.927	ug/l	87
27) cis-1,2-Dichloroethene	4.22	96	22550	6.686	ug/l	86
31) Cyclohexane	4.98	56	4501	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	16932	4.100	ug/l #	50
38) Carbon Tetrachloride	4.98	117	23207	5.110	ug/l #	16
51) 4-Methyl-2-Pentanone	7.56	43	2574	0.527	ug/l #	1
76) 1,2,3-Trichloropropane	10.32	75	106692	24.814	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.32	75	106692	57.431	ug/l #	100
95) Naphthalene	13.77	128	754	0.731	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU024968.D

Acq: 27 Jun 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

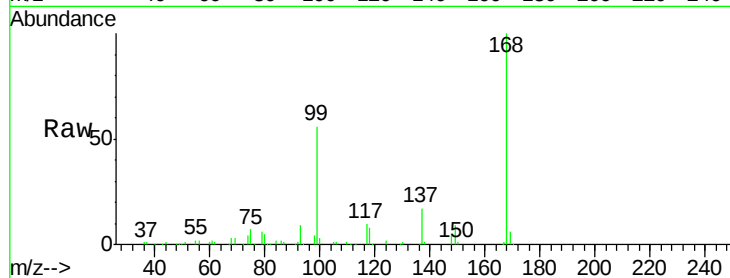
WP021SB476-33-35-180619ME

Tgt Ion:168 Resp: 233918

Ion Ratio Lower Upper

168 100

99 55.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024968.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024968.D (-1275) (-)

4.98

120000

100000

80000

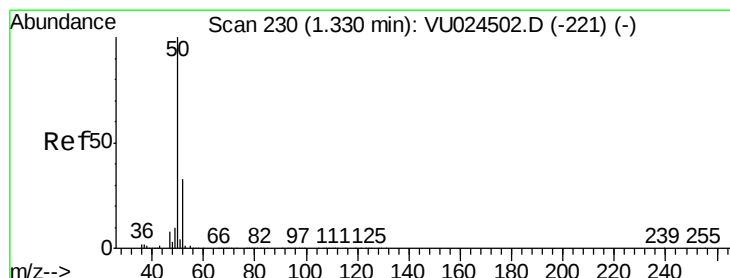
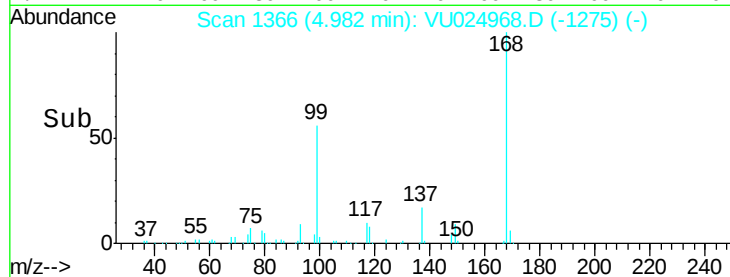
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.365 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU024968.D

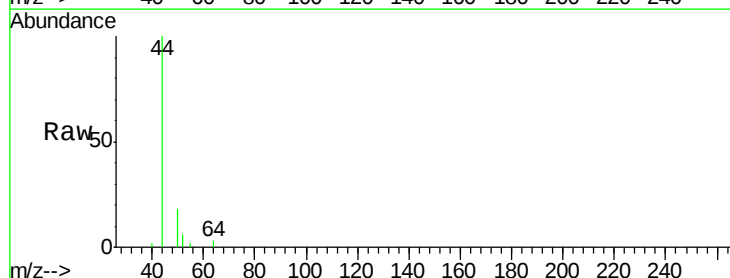
Acq: 27 Jun 2018 15:51

Tgt Ion: 50 Resp: 1093

Ion Ratio Lower Upper

50 100

52 31.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024968.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024968.D (-137) (-)

1.32

1000

800

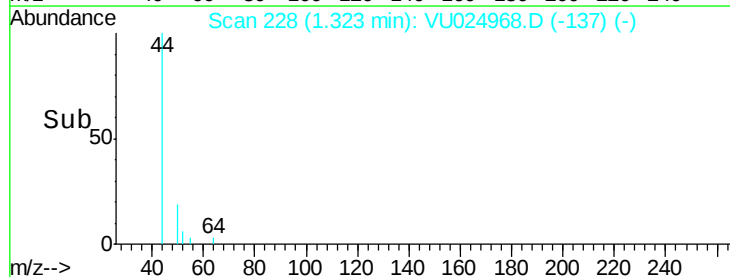
600

400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.515 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU024968.D

Acq: 27 Jun 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

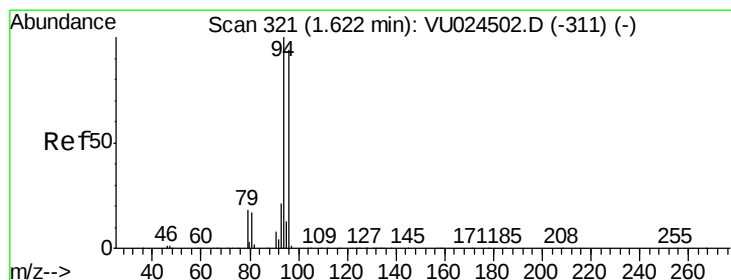
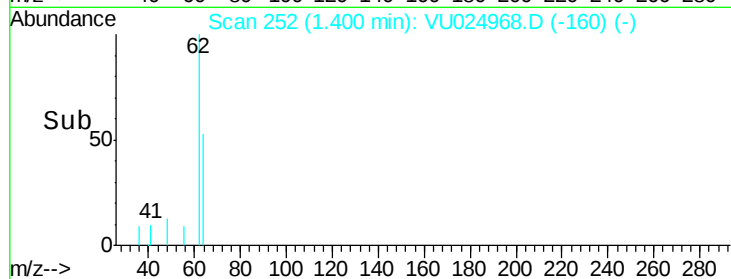
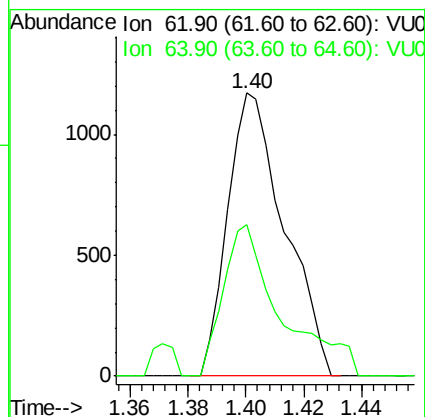
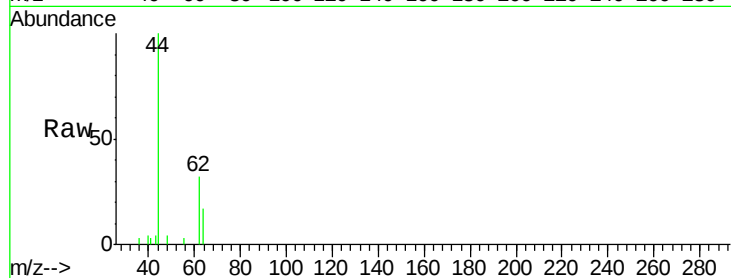
WP021SB476-33-35-180619ME

Tgt Ion: 62 Resp: 1589

Ion Ratio Lower Upper

62 100

64 53.4 24.8 37.2#



#5

Bromomethane

Concen: 0.492 ug/l

RT: 1.61 min Scan# 317

Delta R.T. -0.01 min

Lab File: VU024968.D

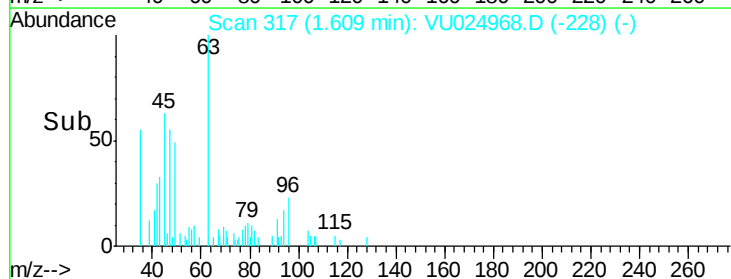
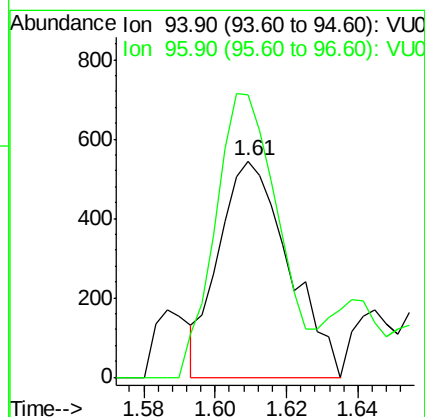
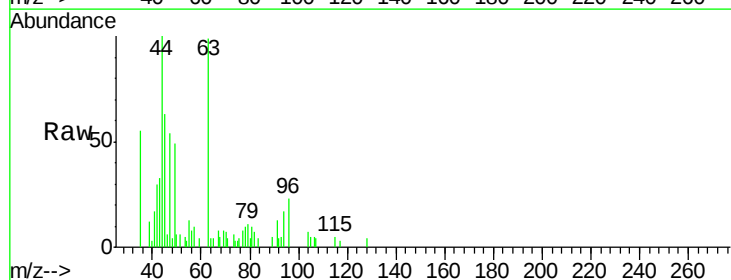
Acq: 27 Jun 2018 15:51

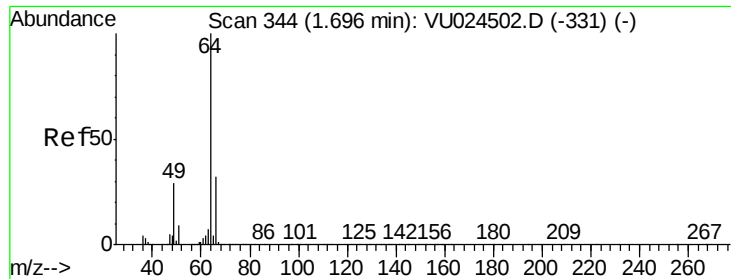
Tgt Ion: 94 Resp: 734

Ion Ratio Lower Upper

94 100

96 111.0 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024968.D

Acq: 27 Jun 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

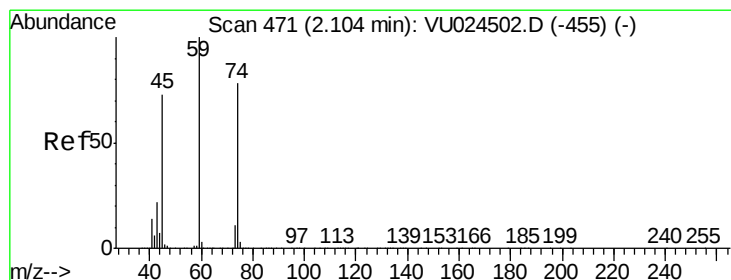
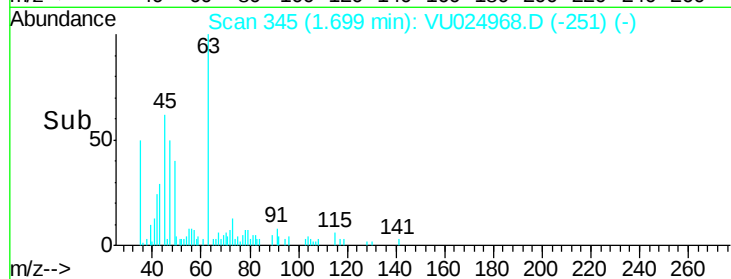
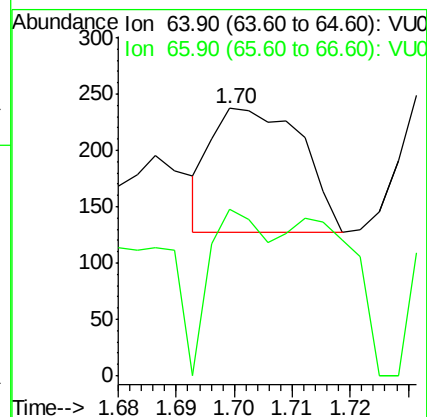
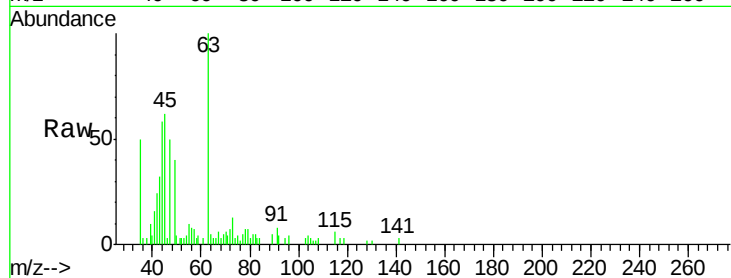
WP021SB476-33-35-180619ME

Tgt Ion: 64 Resp: 119

Ion Ratio Lower Upper

64 100

66 134.5 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.18 min Scan# 494

Delta R.T. 0.07 min

Lab File: VU024968.D

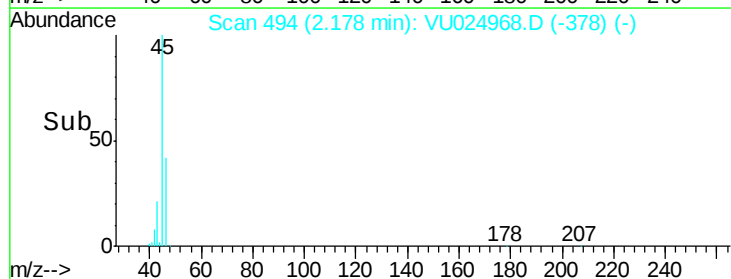
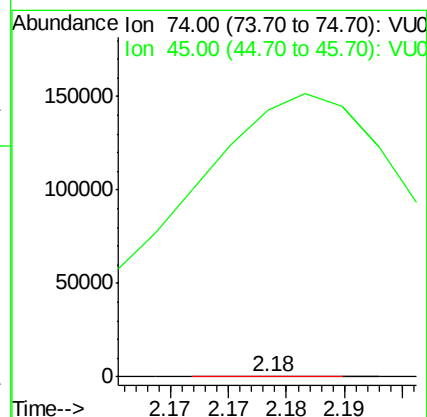
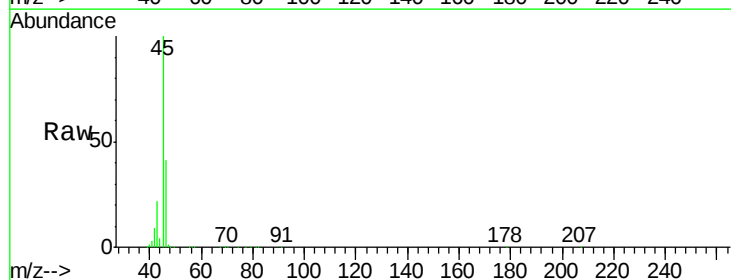
Acq: 27 Jun 2018 15:51

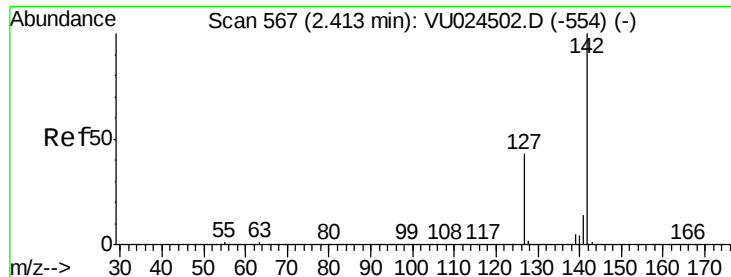
Tgt Ion: 74 Resp: 20

Ion Ratio Lower Upper

74 100

45 1610645.0 55.0 165.0#

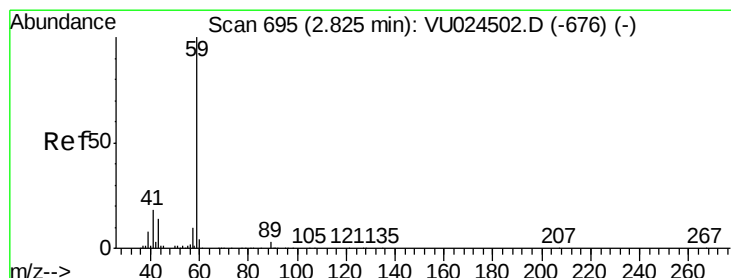
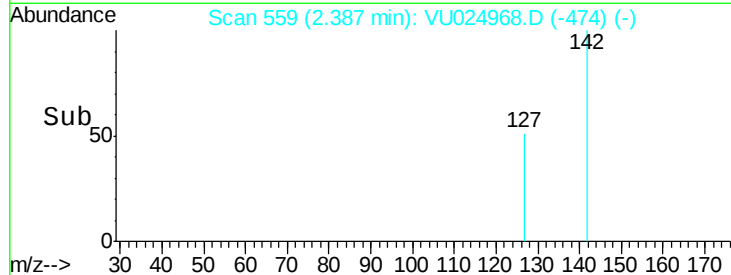
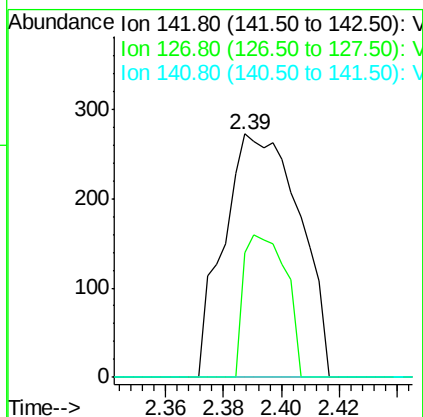
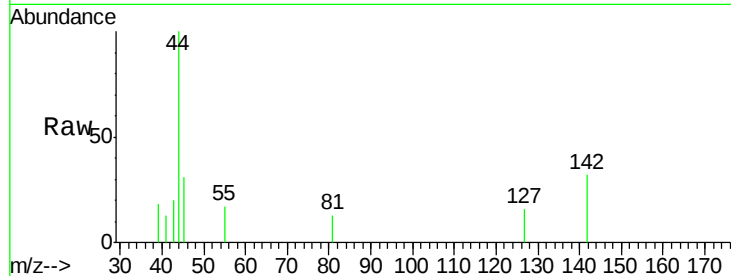




#10
Methyl Iodide
Concen: 5.467 ug/l
RT: 2.39 min Scan# 559
Delta R.T. -0.03 min
Lab File: VU024968.D
Acq: 27 Jun 2018 15:51

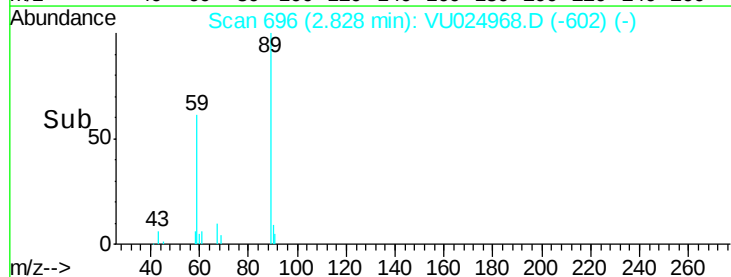
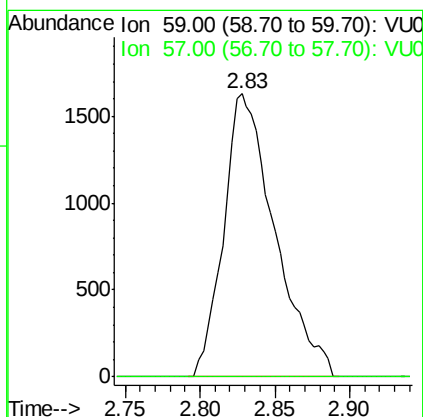
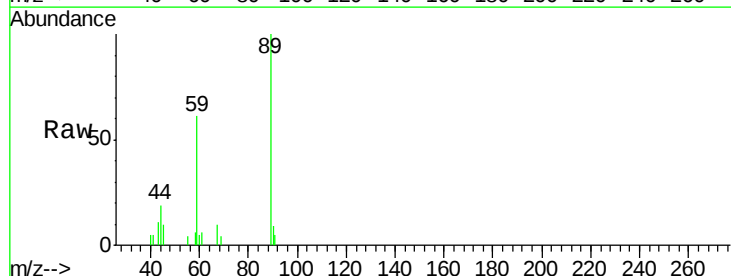
Instrument :
MSVOA_U
ClientSampleId :
WP021SB476-33-35-180619ME

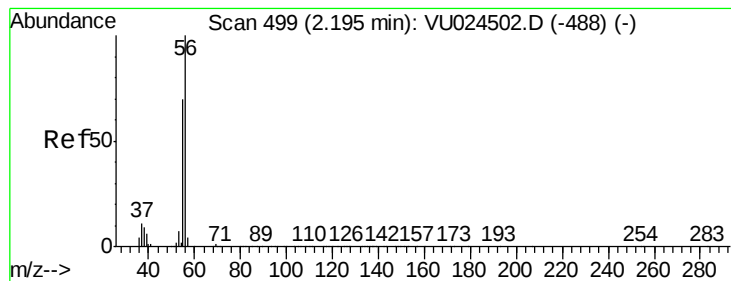
Tgt Ion:142 Resp: 493
Ion Ratio Lower Upper
142 100
127 32.9 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 4.171 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU024968.D
Acq: 27 Jun 2018 15:51

Tgt Ion: 59 Resp: 3874
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.351 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024968.D

Acq: 27 Jun 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

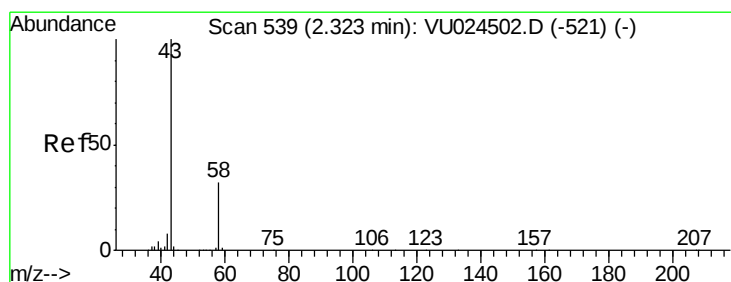
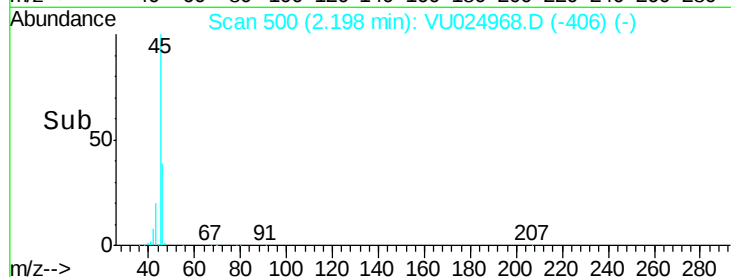
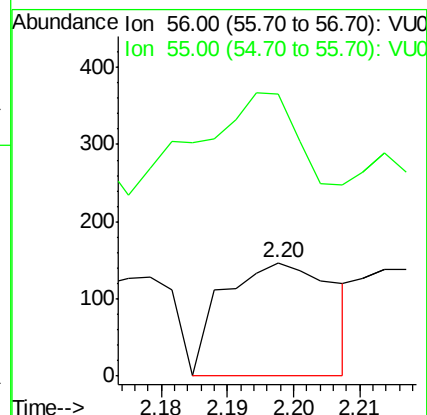
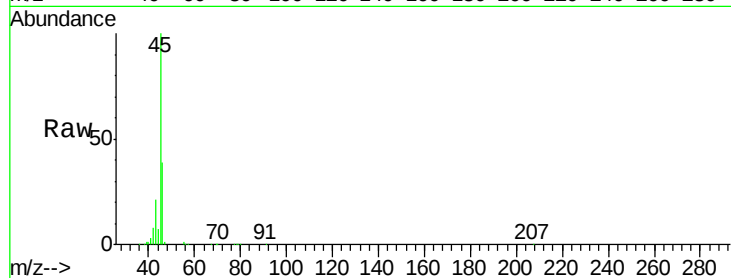
WP021SB476-33-35-180619ME

Tgt Ion: 56 Resp: 171

Ion Ratio Lower Upper

56 100

55 0.0 58.4 87.6#



#16

Acetone

Concen: 34.088 ug/l

RT: 2.18 min Scan# 495

Delta R.T. -0.14 min

Lab File: VU024968.D

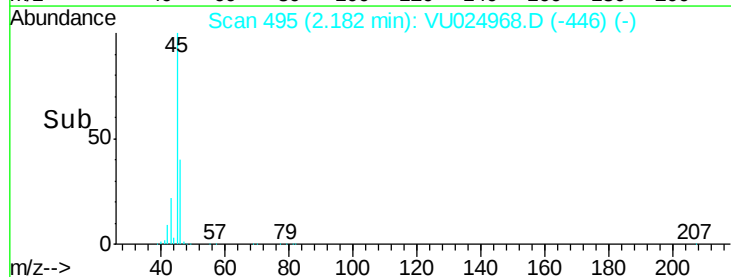
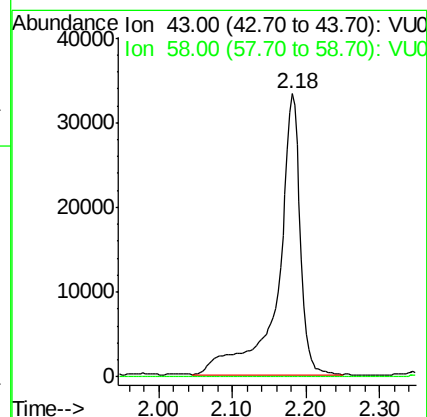
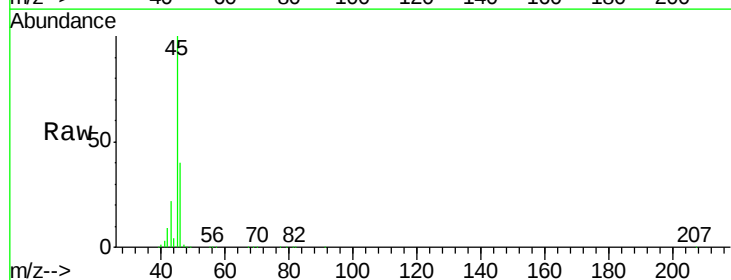
Acq: 27 Jun 2018 15:51

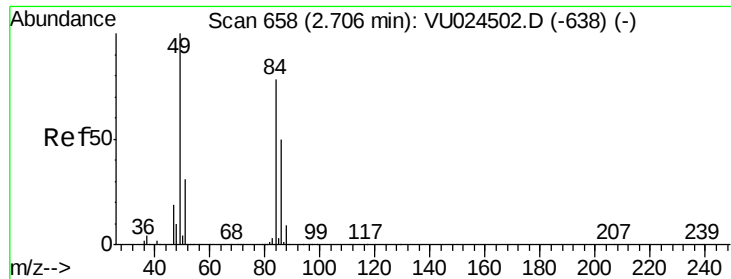
Tgt Ion: 43 Resp: 69943

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#





#20

Methylene Chloride

Concen: 0.499 ug/l

RT: 2.69 min Scan# 654

Delta R.T. -0.01 min

Lab File: VU024968.D

Acq: 27 Jun 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 84 Resp: 1607

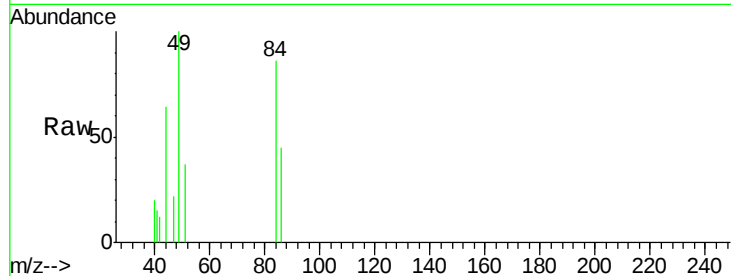
Ion Ratio Lower Upper

84 100

49 116.8 103.8 155.8

51 43.7 32.0 48.0

86 52.3 51.6 77.4

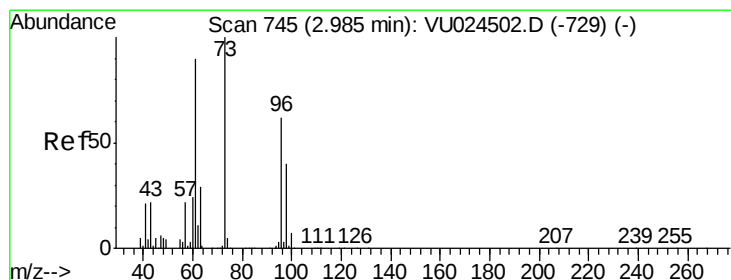
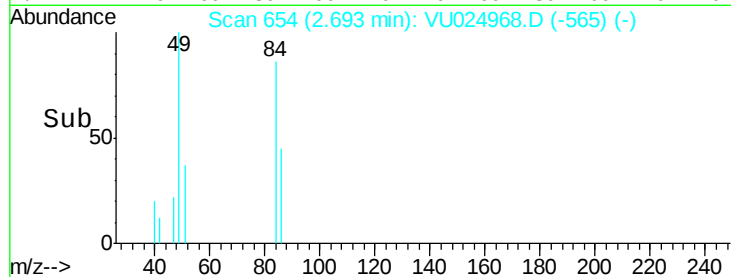
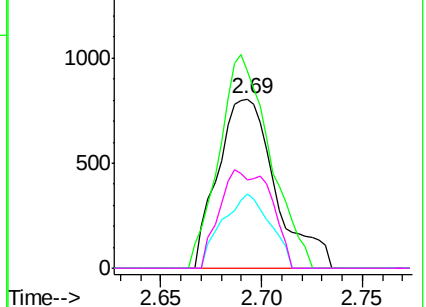


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#21

trans-1,2-Dichloroethene

Concen: 0.927 ug/l

RT: 2.97 min Scan# 740

Delta R.T. -0.02 min

Lab File: VU024968.D

Acq: 27 Jun 2018 15:51

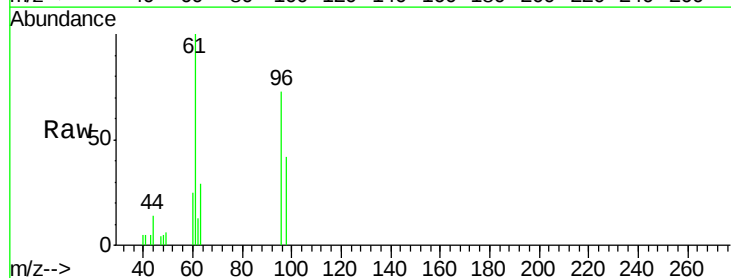
Tgt Ion: 96 Resp: 2719

Ion Ratio Lower Upper

96 100

61 130.9 119.4 179.0

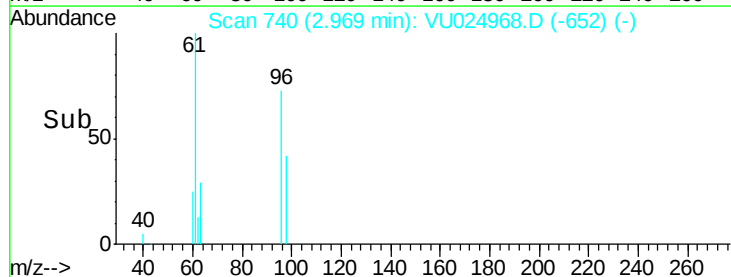
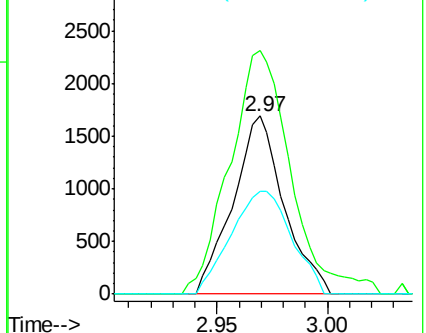
98 57.6 51.1 76.7

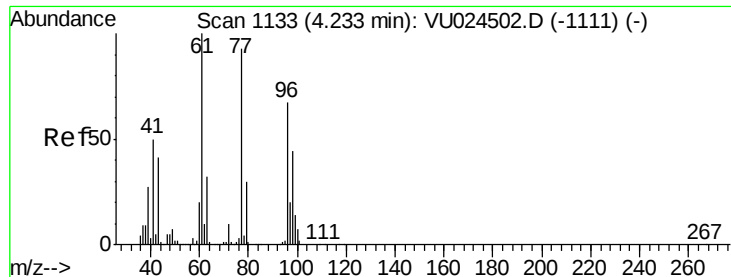


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

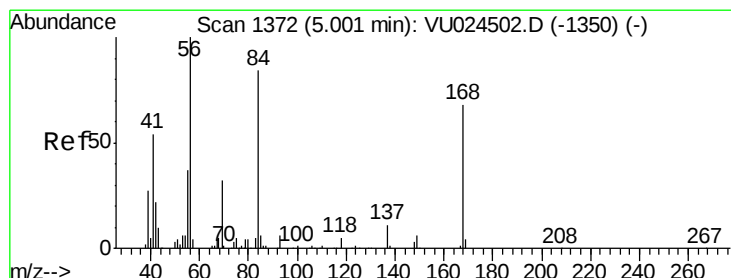
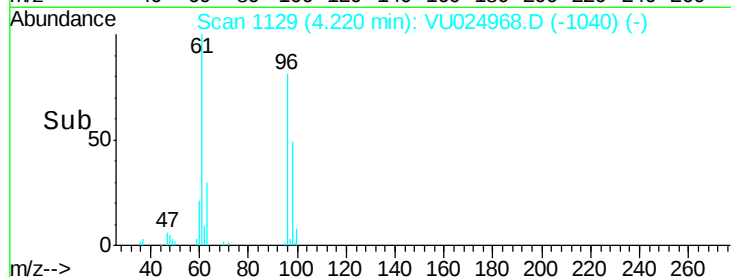
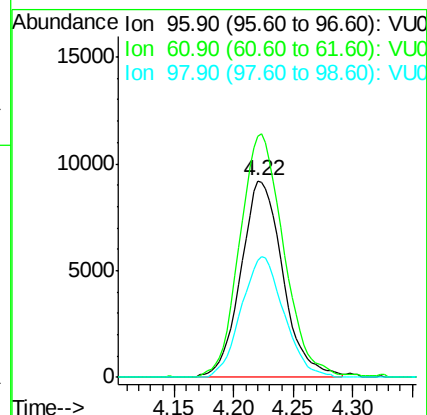
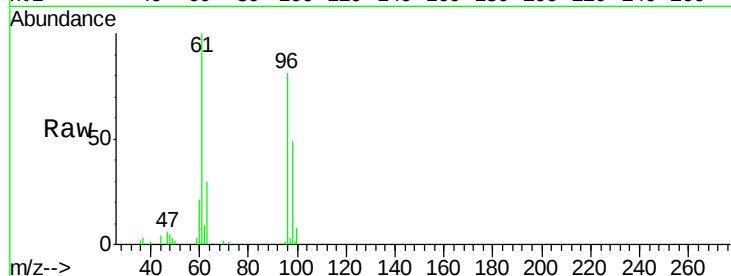




#27
 cis-1,2-Dichloroethene
 Concen: 6.686 ug/l
 RT: 4.22 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: VU024968.D
 Acq: 27 Jun 2018 15:51

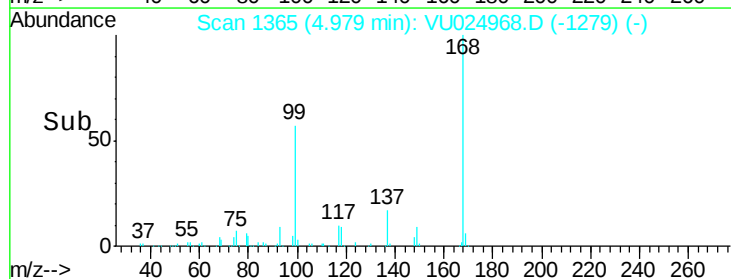
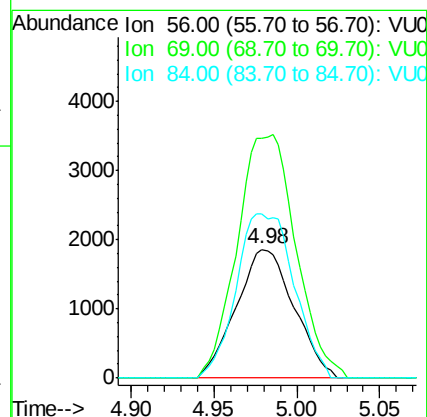
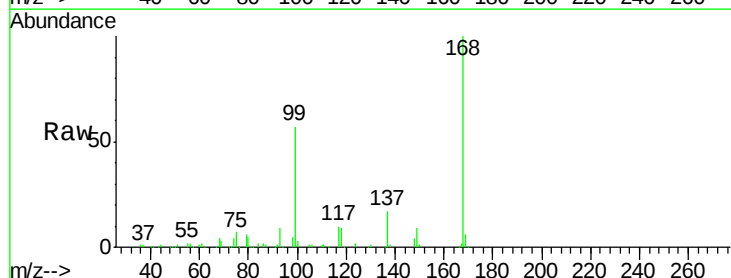
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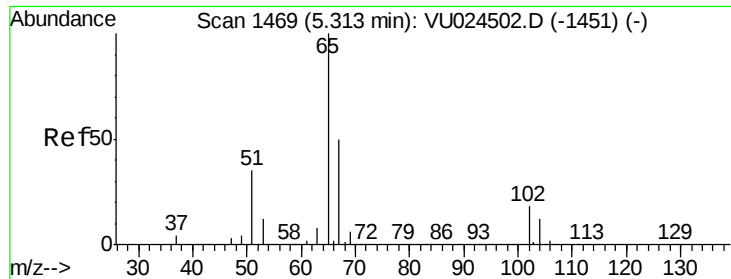
Tgt Ion: 96 Resp: 22550
 Ion Ratio Lower Upper
 96 100
 61 129.2 0.0 306.6
 98 62.4 0.0 128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VU024968.D
 Acq: 27 Jun 2018 15:51

Tgt Ion: 56 Resp: 4501
 Ion Ratio Lower Upper
 56 100
 69 186.7 24.8 37.2#
 84 127.2 65.2 97.8#

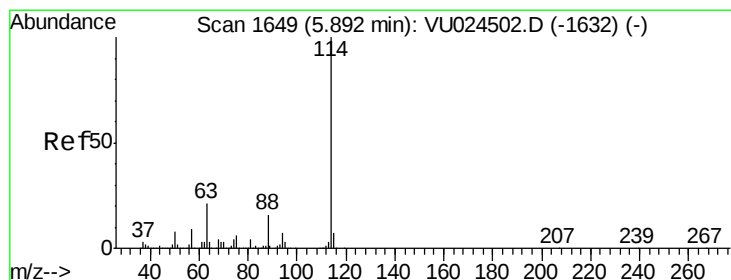
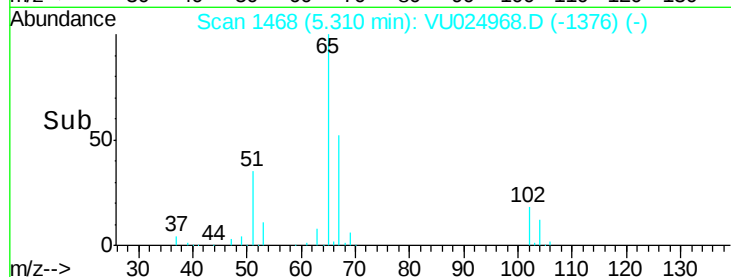
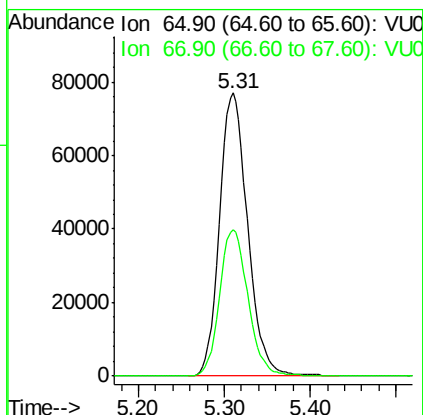
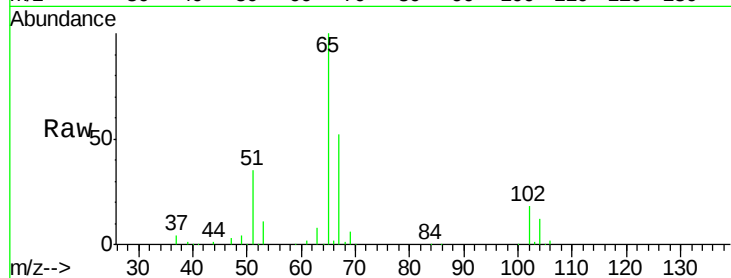




#33
 1,2-Dichloroethane-d4
 Concen: 45.897 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024968.D
 Acq: 27 Jun 2018 15:51

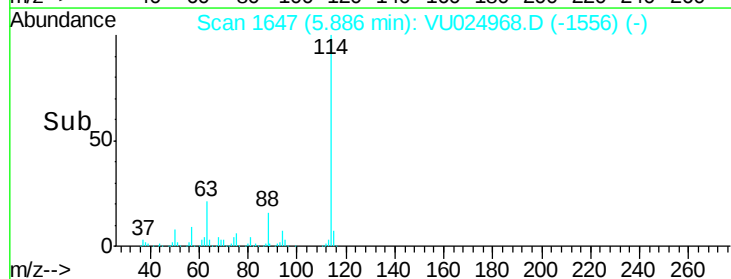
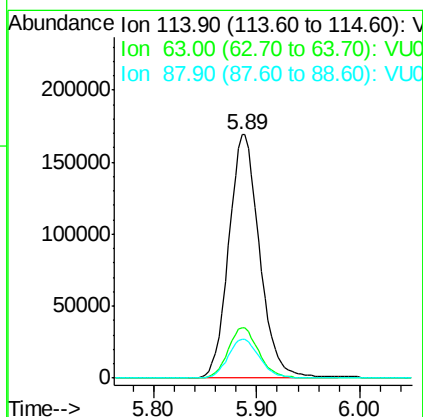
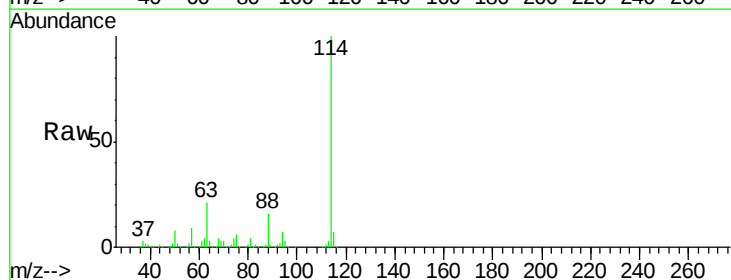
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB476-33-35-180619ME

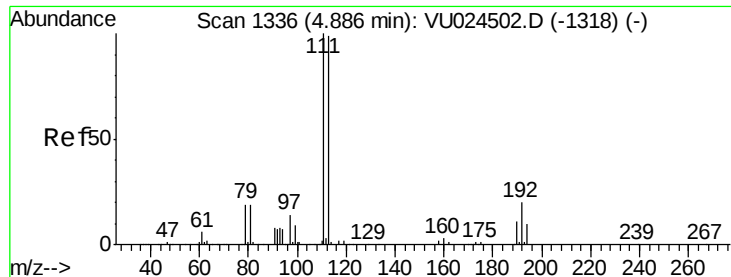
Tgt Ion: 65 Resp: 175268
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: VU024968.D
 Acq: 27 Jun 2018 15:51

Tgt Ion: 114 Resp: 351442
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 45.4
 88 16.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.687 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024968.D

Acq: 27 Jun 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

WP021SB476-33-35-180619ME

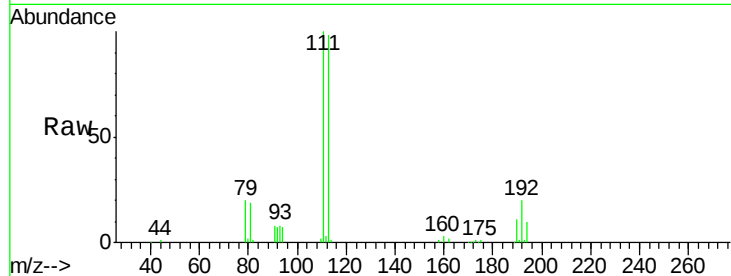
Tgt Ion:113 Resp: 136171

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

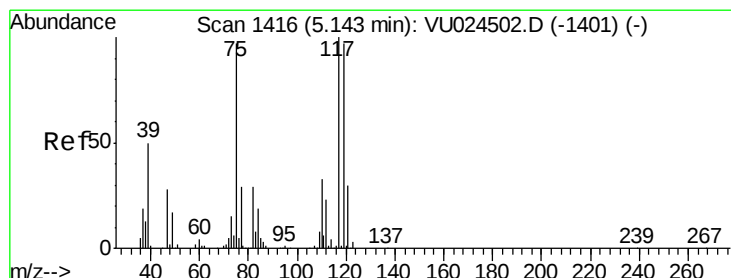
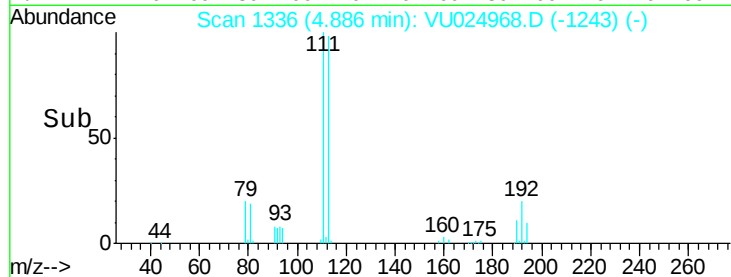
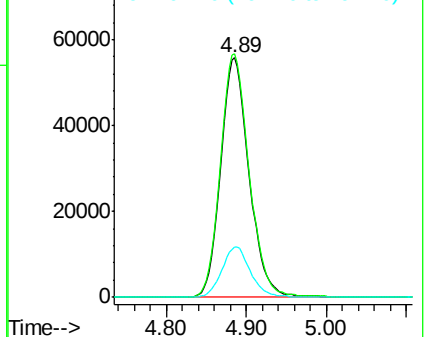
192 21.0 16.2 24.4



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: 4.100 ug/l

RT: 4.98 min Scan# 1365

Delta R.T. -0.16 min

Lab File: VU024968.D

Acq: 27 Jun 2018 15:51

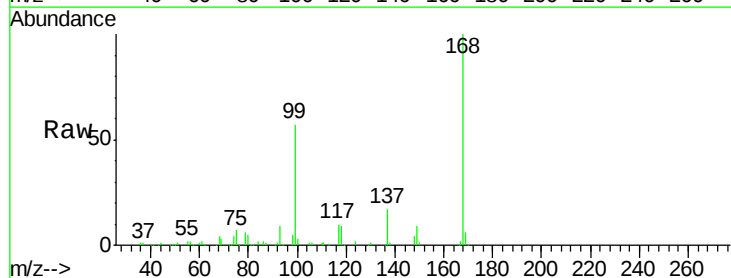
Tgt Ion: 75 Resp: 16932

Ion Ratio Lower Upper

75 100

110 8.5 17.0 50.9#

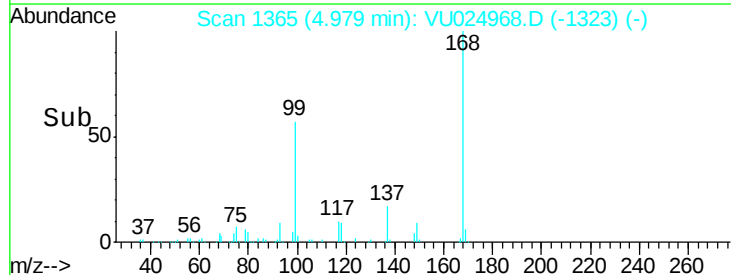
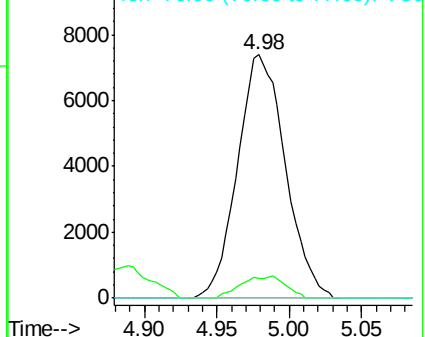
77 0.0 24.2 36.4#

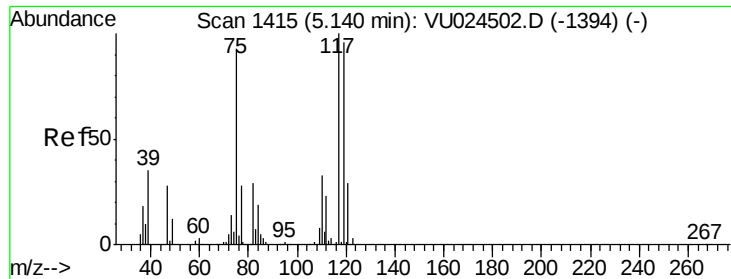


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.110 ug/l

RT: 4.98 min Scan# 1365

Delta R.T. -0.16 min

Lab File: VU024968.D

Acq: 27 Jun 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

WP021SB476-33-35-180619ME

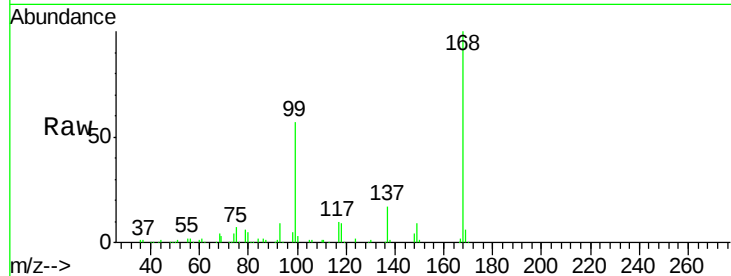
Tgt Ion:117 Resp: 23207

Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

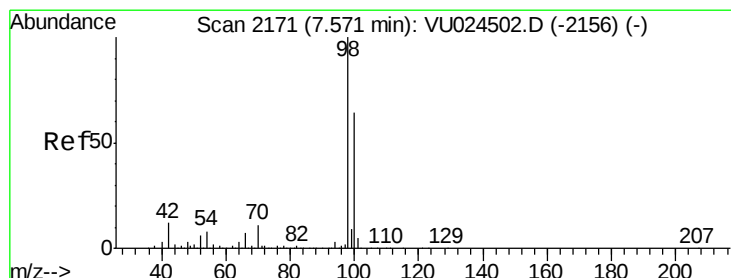
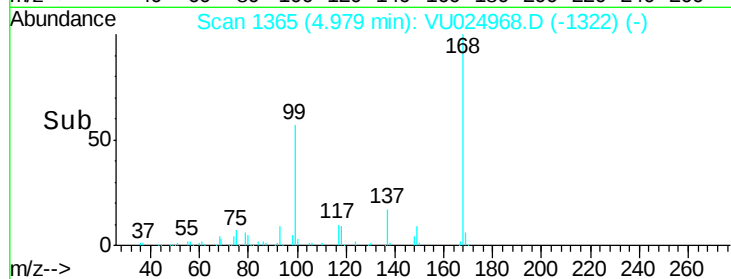
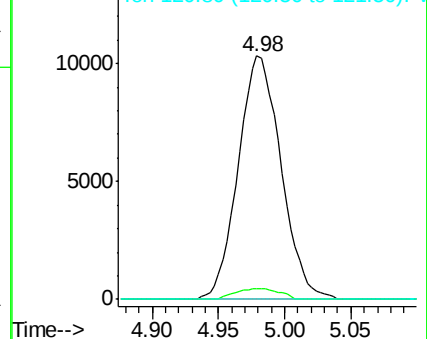
121 0.0 23.7 35.5#



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: 48.206 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024968.D

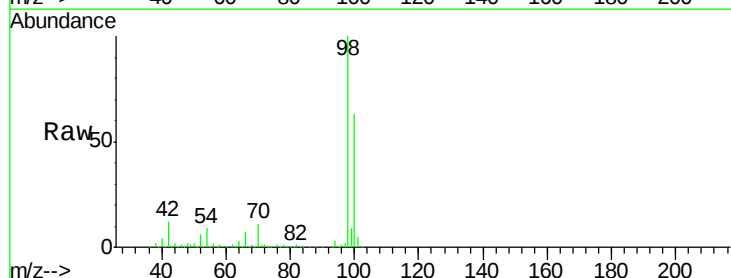
Acq: 27 Jun 2018 15:51

Tgt Ion: 98 Resp: 512858

Ion Ratio Lower Upper

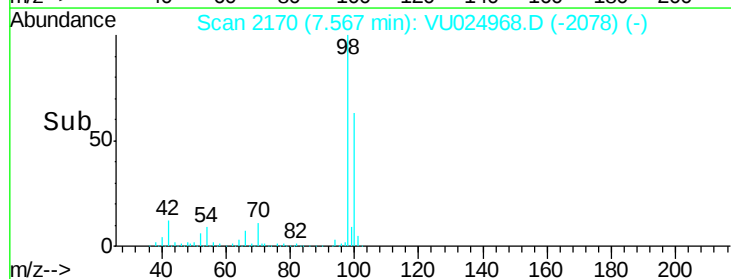
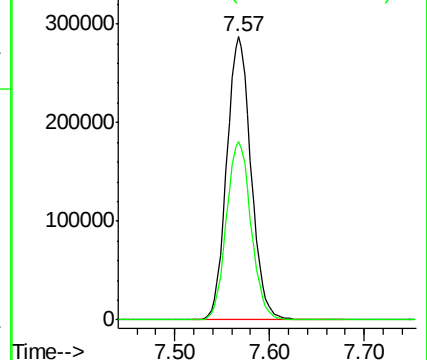
98 100

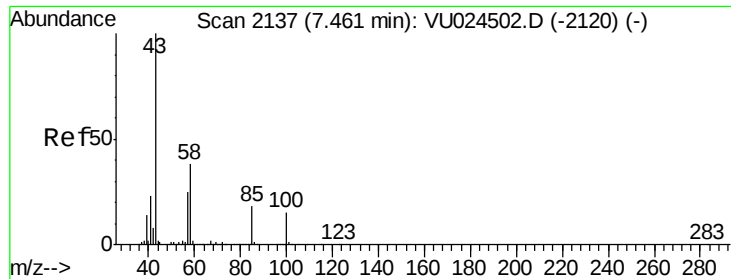
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.527 ug/l

RT: 7.56 min Scan# 2169

Delta R.T. 0.10 min

Lab File: VU024968.D

Acq: 27 Jun 2018 15:51

Instrument :

MSVOA_U

ClientSampleId :

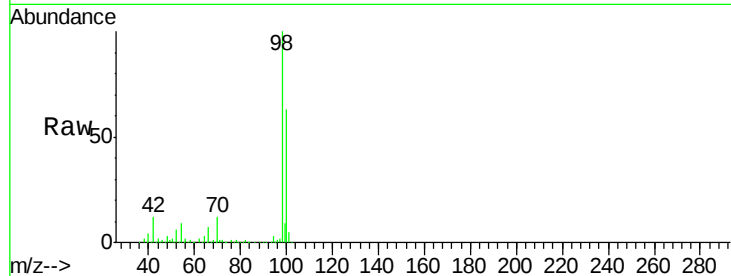
WP021SB476-33-35-180619ME

Tgt Ion: 43 Resp: 2574

Ion Ratio Lower Upper

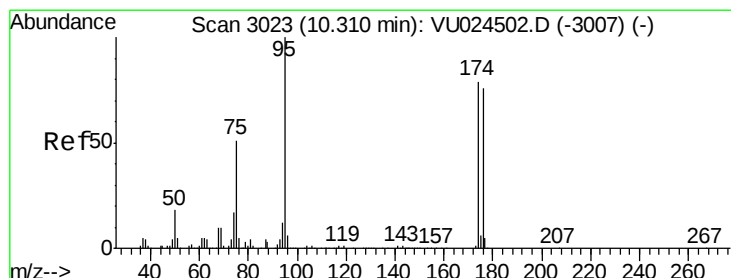
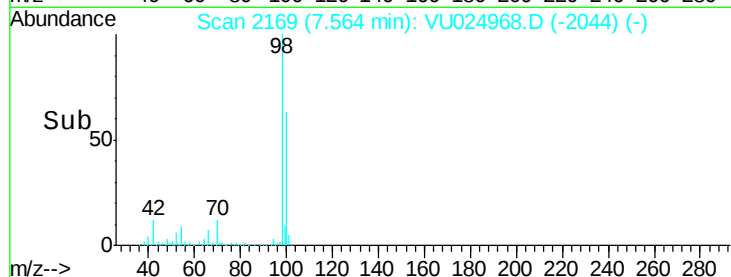
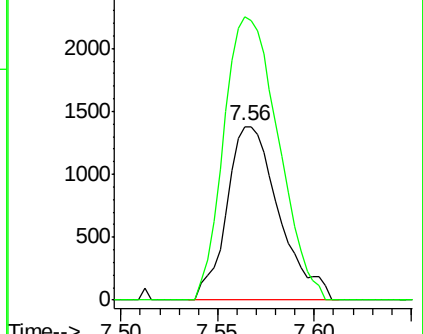
43 100

58 171.3 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 49.082 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU024968.D

Acq: 27 Jun 2018 15:51

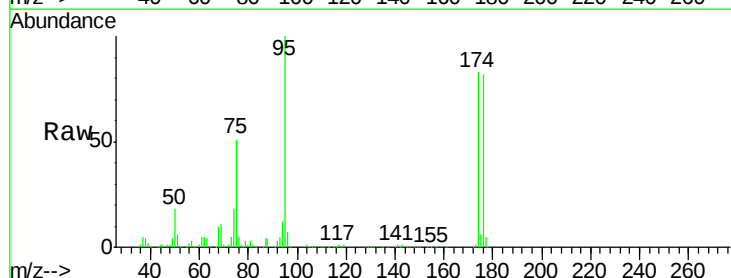
Tgt Ion: 95 Resp: 207328

Ion Ratio Lower Upper

95 100

174 82.8 0.0 165.8

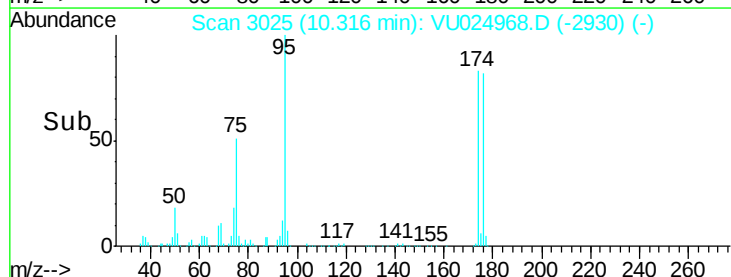
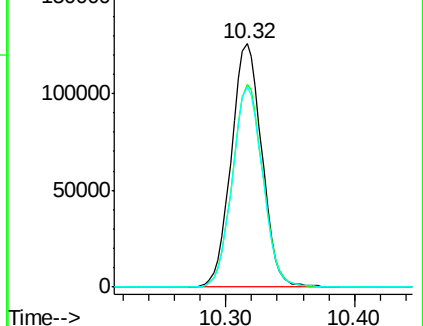
176 81.9 0.0 159.4

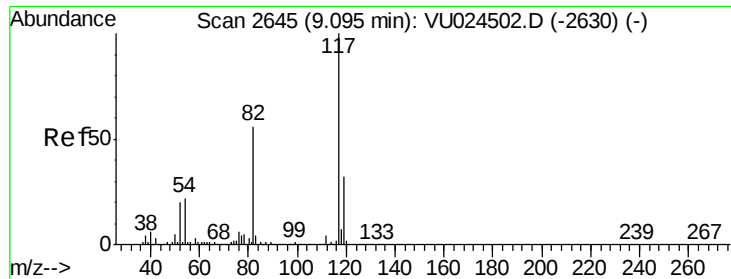


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

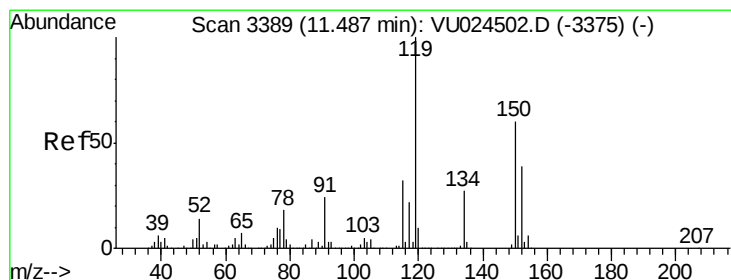
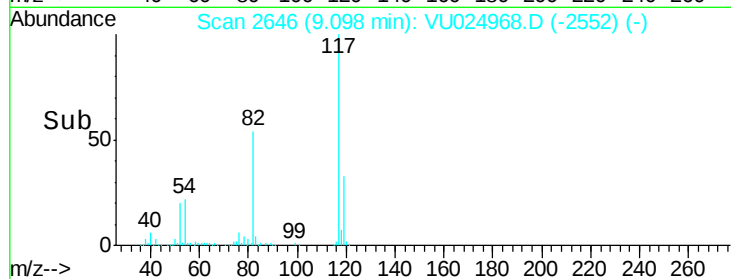
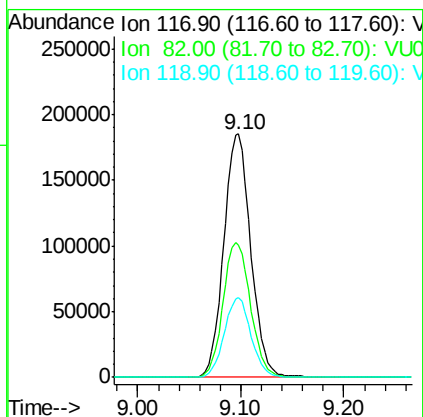
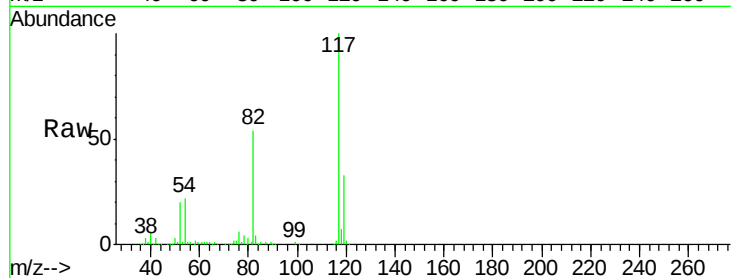




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.10 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VU024968.D
Acq: 27 Jun 2018 15:51

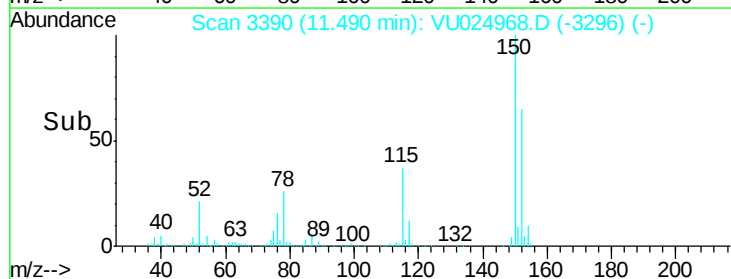
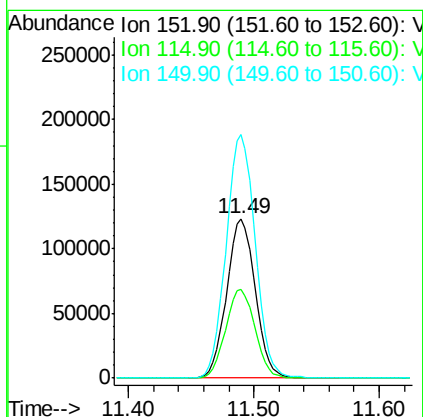
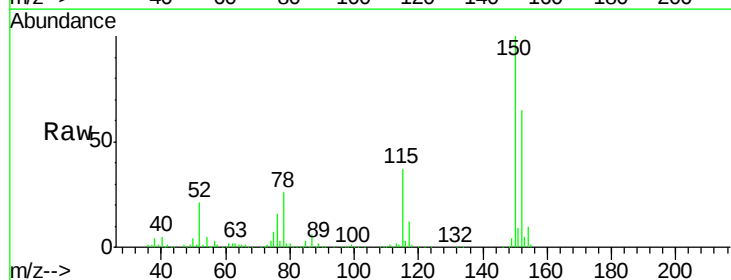
Instrument :
MSVOA_U
ClientSampleId :
WP021SB476-33-35-180619ME

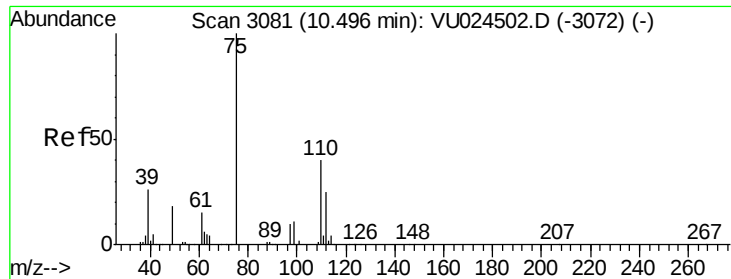
Tgt Ion:117 Resp: 337440
Ion Ratio Lower Upper
117 100
82 54.4 44.3 66.5
119 32.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU024968.D
Acq: 27 Jun 2018 15:51

Tgt Ion:152 Resp: 195291
Ion Ratio Lower Upper
152 100
115 57.0 43.0 129.0
150 154.9 0.0 354.0

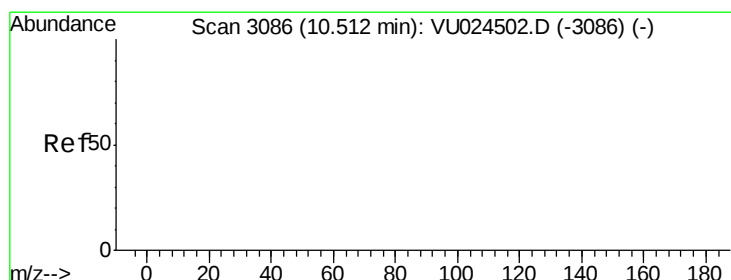
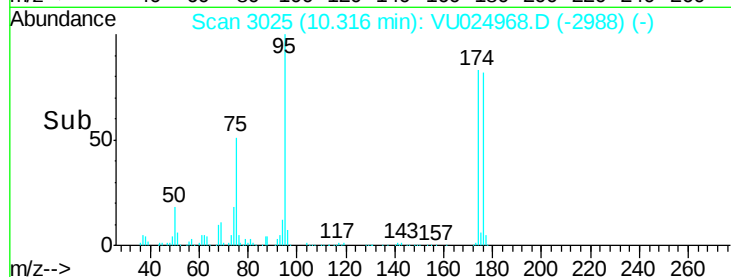
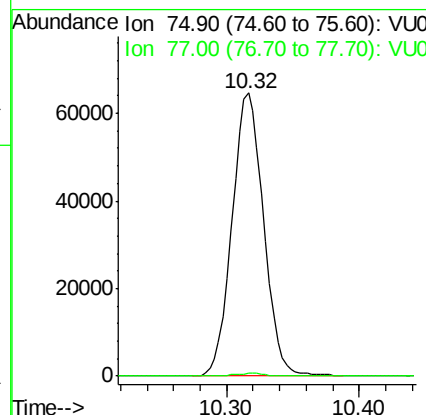
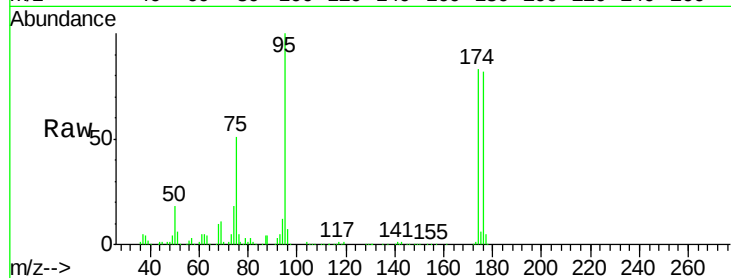




#76
 1,2,3-Trichloropropane
 Concen: 24.814 ug/l
 RT: 10.32 min Scan# 3025
 Delta R.T. -0.18 min
 Lab File: VU024968.D
 Acq: 27 Jun 2018 15:51

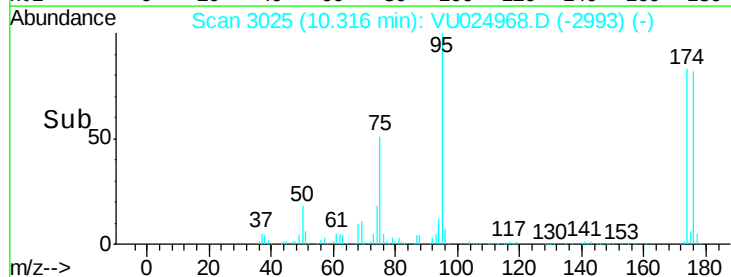
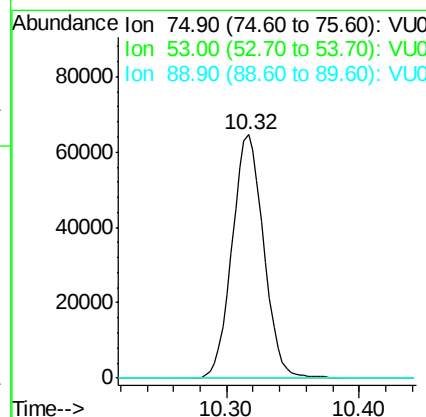
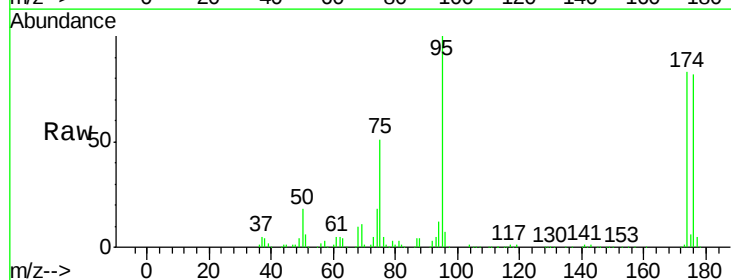
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB476-33-35-180619ME

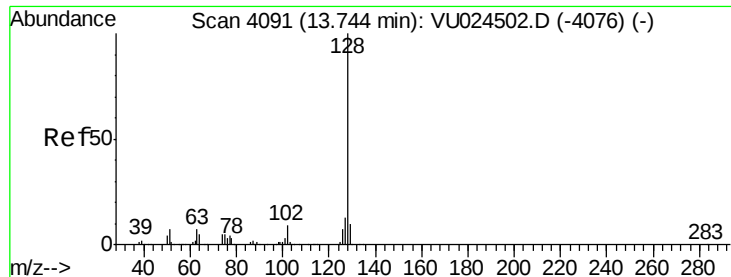
Tgt Ion: 75 Resp: 106692
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.431 ug/l
 RT: 10.32 min Scan# 3025
 Delta R.T. -0.20 min
 Lab File: VU024968.D
 Acq: 27 Jun 2018 15:51

Tgt Ion: 75 Resp: 106692
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0#





#95
 Naphthalene
 Concen: 0.731 ug/l
 RT: 13.77 min Scan# 4098
 Delta R.T. 0.02 min
 Lab File: VU024968.D
 Acq: 27 Jun 2018 15:51

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB476-33-35-180619ME

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

