

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062518\
 Data File : VU024914.D
 Acq On : 26 Jun 2018 07:27
 Operator : MD/SY
 Sample : J3669-25ME 200X
 Misc : 5.96g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB479-31-33-180620ME

Quant Time: Jun 26 08:42:22 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

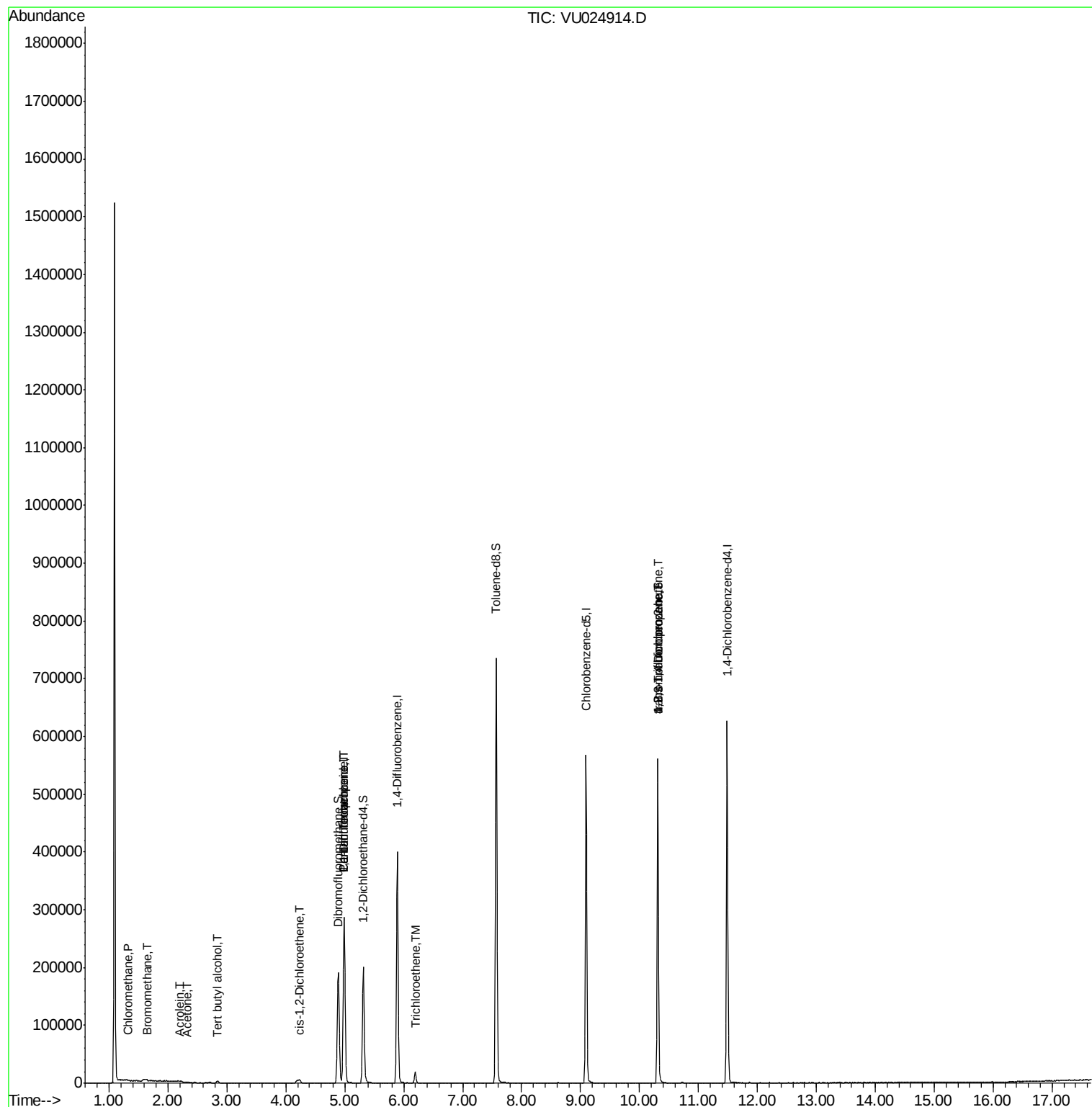
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	220885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	333541	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	310047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167342	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	165475	45.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.78%	
35) Dibromofluoromethane	4.89	113	131634	47.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.10%	
50) Toluene-d8	7.57	98	486295	48.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.32%	
62) 4-Bromofluorobenzene	10.31	95	178449	44.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.02%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	574	0.203	ug/l #	79
5) Bromomethane	1.63	94	322	0.229	ug/l #	78
6) Chloroethane	1.68	64	50	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	1998	2.278	ug/l #	72
13) Acrolein	2.20	56	184	0.400	ug/l	90
16) Acetone	2.33	43	1540	0.795	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	1341	0.421	ug/l	30
31) Cyclohexane	4.99	56	4664	Below Cal	#	9
36) 1,1-Dichloropropene	4.99	75	16740	4.271	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20386	4.730	ug/l #	18
44) Trichloroethene	6.19	130	6883	2.166	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	92648	25.147	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	92648	58.201	ug/l #	100

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

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WP021SB479-31-33-180620ME

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024914.D

Acq: 26 Jun 2018 07:27

Instrument :

MSVOA_U

ClientSampleId :

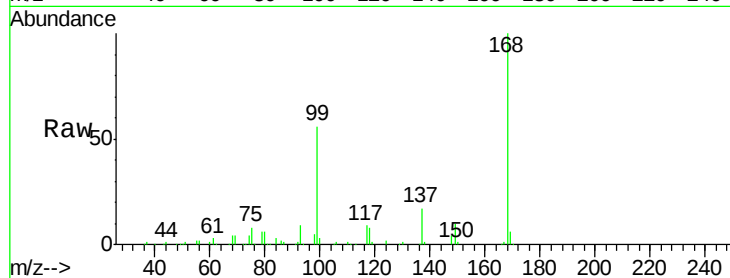
WP021SB479-31-33-180620ME

Tgt Ion:168 Resp: 220885

Ion Ratio Lower Upper

168 100

99 56.3 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024914.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024914.D (-1275) (-)

4.99

100000

80000

60000

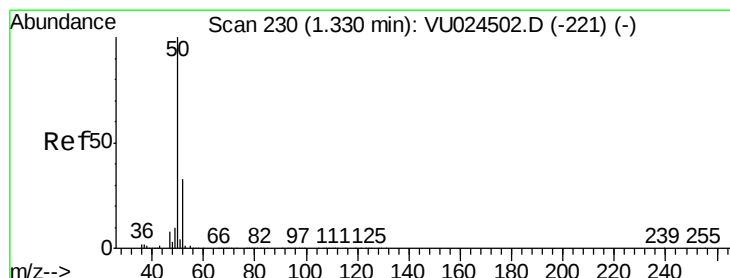
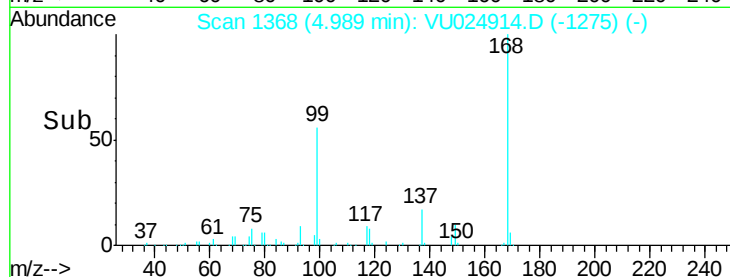
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024914.D

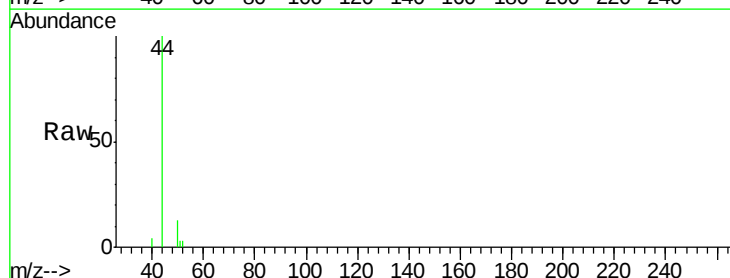
Acq: 26 Jun 2018 07:27

Tgt Ion: 50 Resp: 574

Ion Ratio Lower Upper

50 100

52 20.9 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024914.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024914.D (-137) (-)

1.33

600

500

400

300

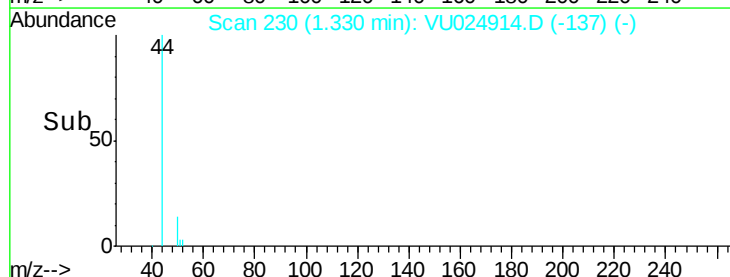
200

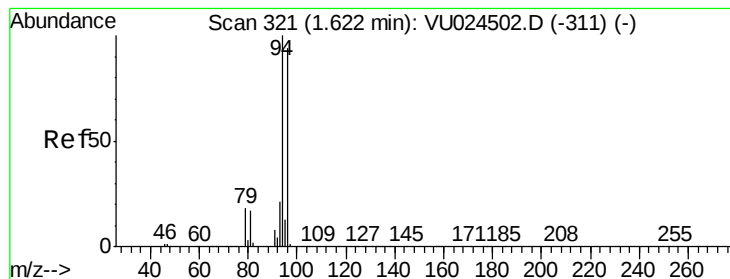
100

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: 0.229 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024914.D

Acq: 26 Jun 2018 07:27

Instrument :

MSVOA_U

ClientSampleId :

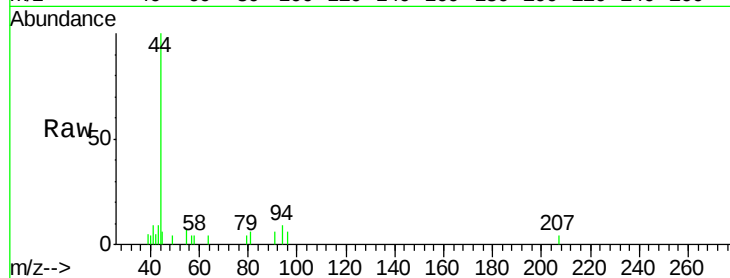
WP021SB479-31-33-180620ME

Tgt Ion: 94 Resp: 322

Ion Ratio Lower Upper

94 100

96 71.5 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

250

200

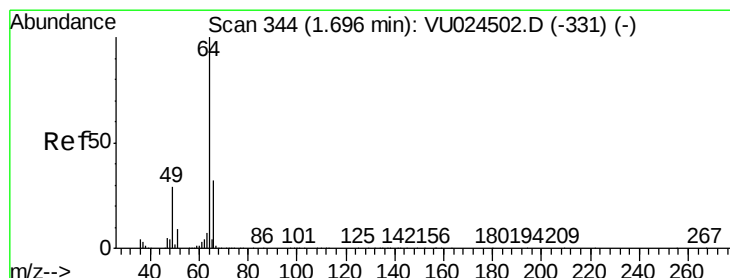
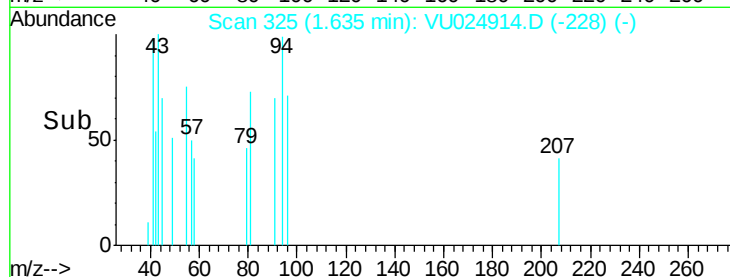
150

100

50

0

Time--> 1.60 1.62 1.64 1.66



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU024914.D

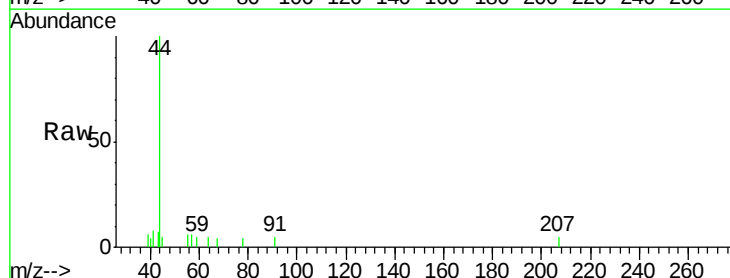
Acq: 26 Jun 2018 07:27

Tgt Ion: 64 Resp: 50

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

1.68

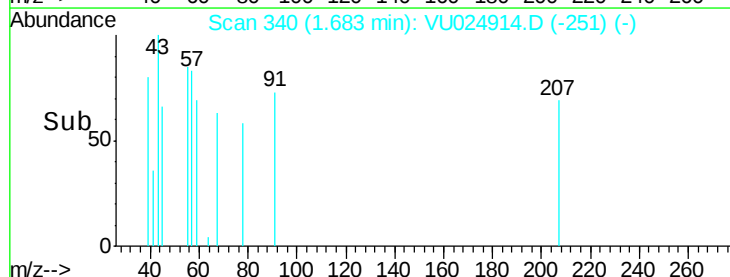
150

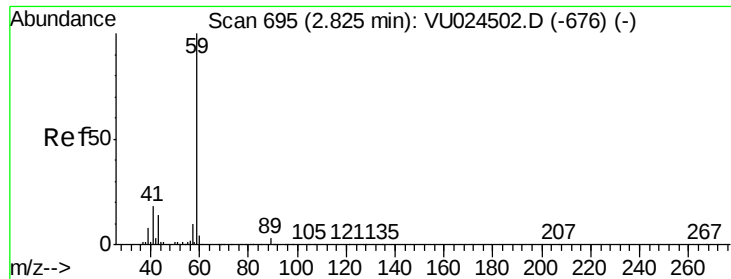
100

50

0

Time--> 1.67 1.68 1.69

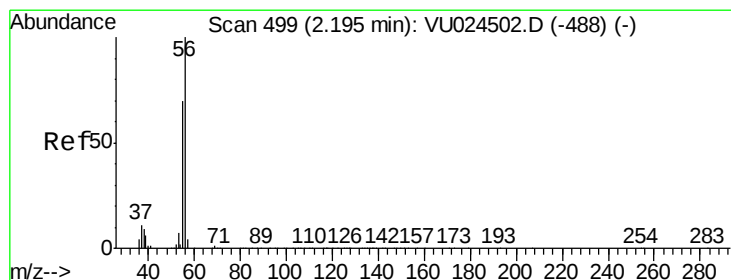
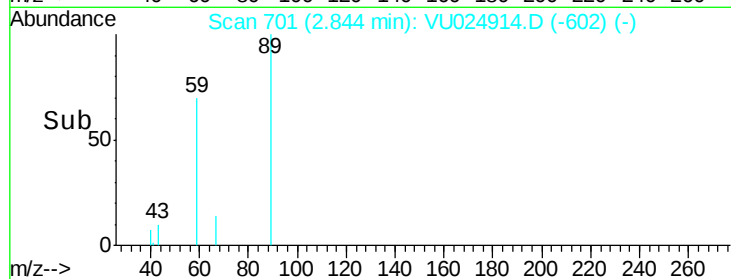
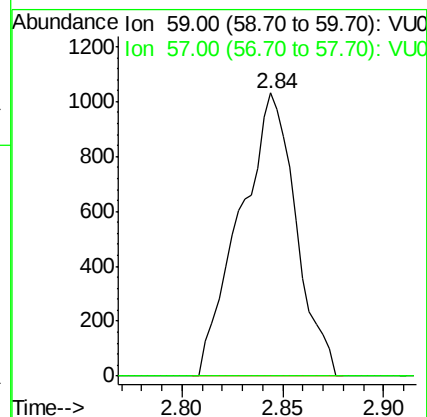
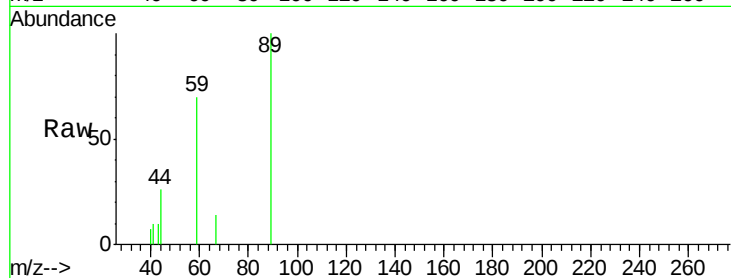




#11
Tert butyl alcohol
Concen: 2.278 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU024914.D
Acq: 26 Jun 2018 07:27

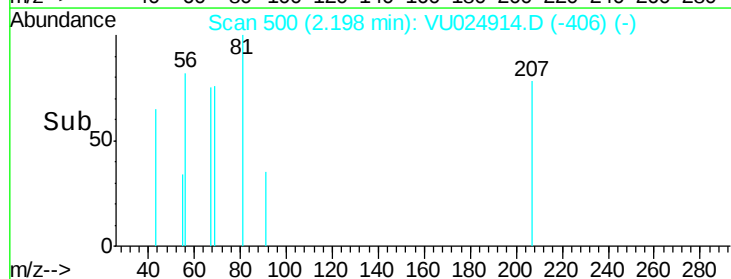
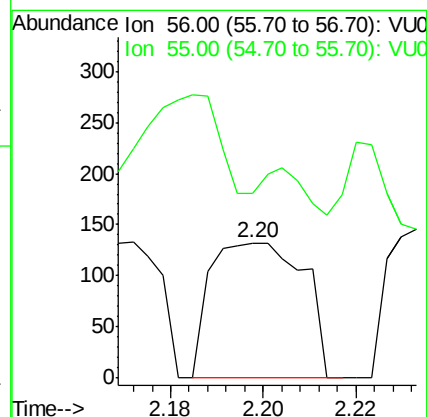
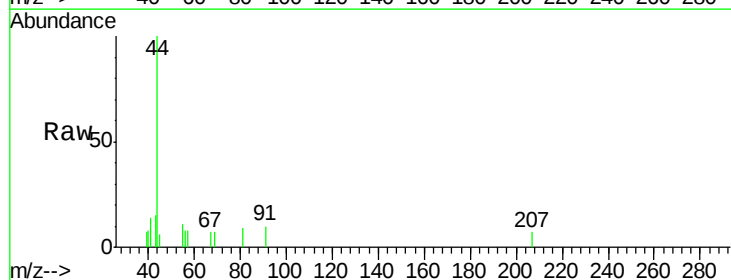
Instrument :
MSVOA_U
ClientSampleId :
WP021SB479-31-33-180620ME

Tgt Ion: 59 Resp: 1998
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.400 ug/l
RT: 2.20 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU024914.D
Acq: 26 Jun 2018 07:27

Tgt Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
55 81.5 58.4 87.6





#16

Acetone

Concen: 0.795 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024914.D

Acq: 26 Jun 2018 07:27

Instrument :

MSVOA_U

ClientSampleId :

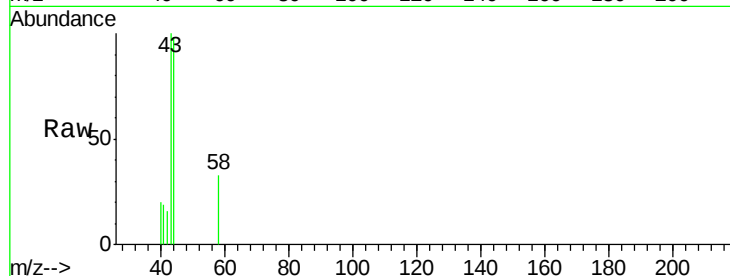
WP021SB479-31-33-180620ME

Tgt Ion: 43 Resp: 1540

Ion Ratio Lower Upper

43 100

58 32.6 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.33

800

600

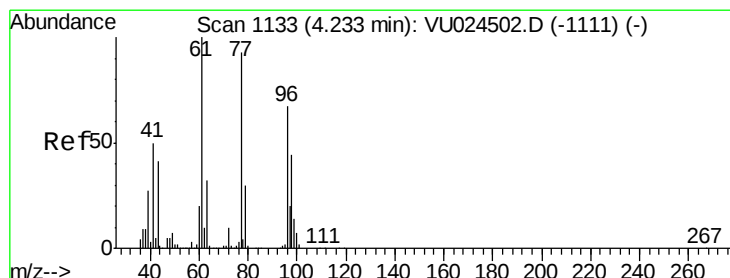
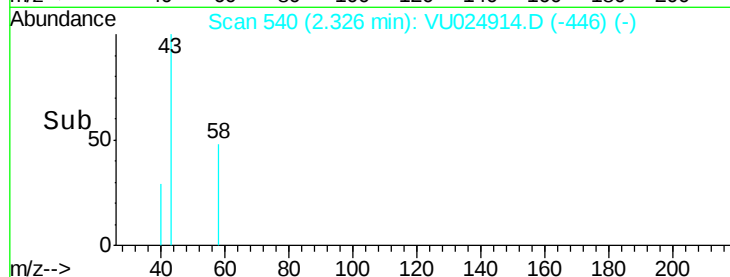
400

200

0

2.30 2.35

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.421 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VU024914.D

Acq: 26 Jun 2018 07:27

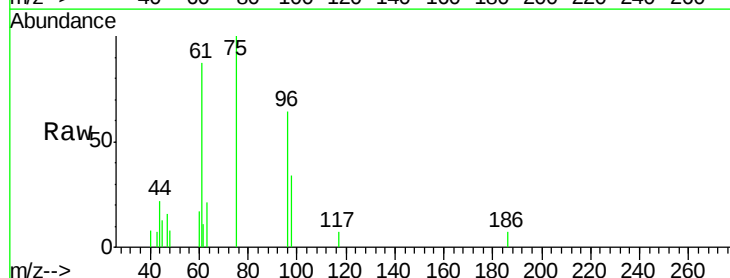
Tgt Ion: 96 Resp: 1341

Ion Ratio Lower Upper

96 100

61 254.9 0.0 306.6

98 103.2 0.0 128.8



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

1500

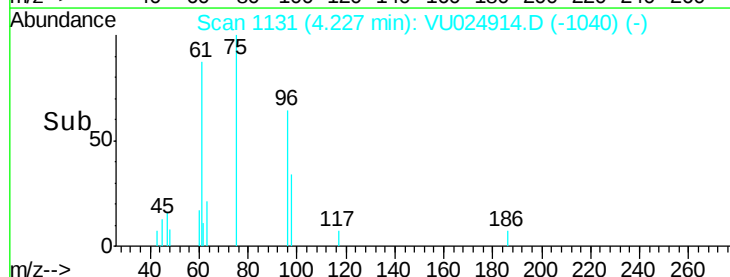
1000

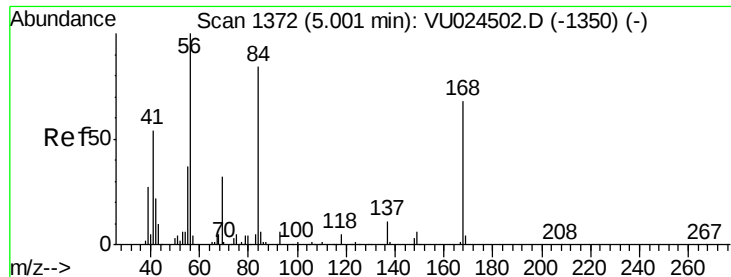
500

0

4.18 4.20 4.22 4.24

Time-->

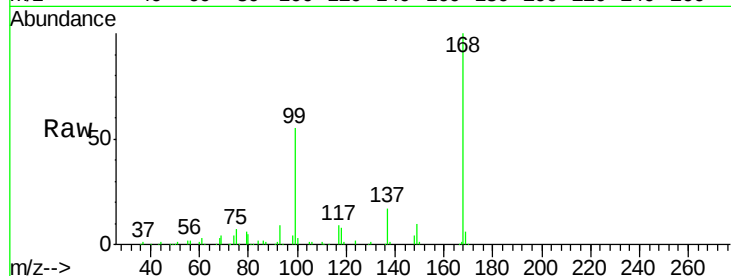




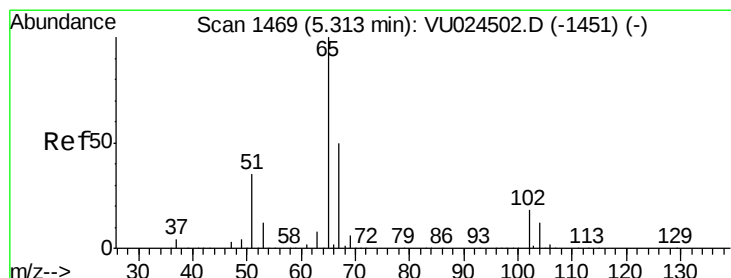
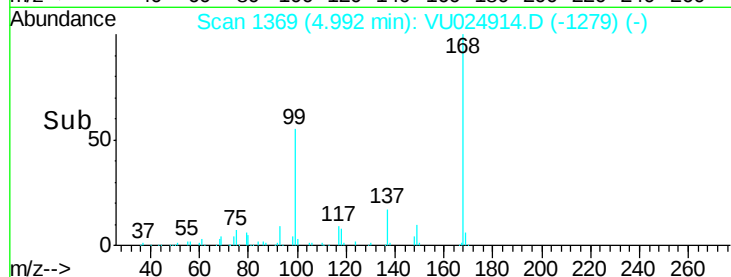
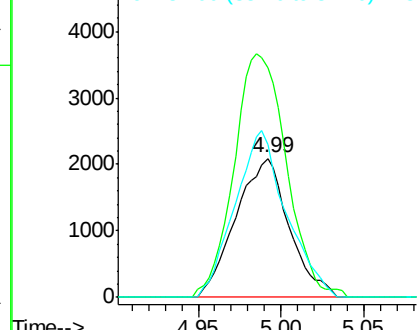
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU024914.D
Acq: 26 Jun 2018 07:27

Instrument :
MSVOA_U
ClientSampleId :
WP021SB479-31-33-180620ME

Tgt Ion: 56 Resp: 4664
Ion Ratio Lower Upper
56 100
69 165.4 24.8 37.2#
84 110.3 65.2 97.8#

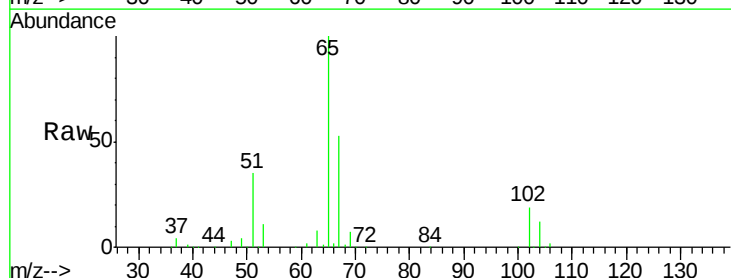


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

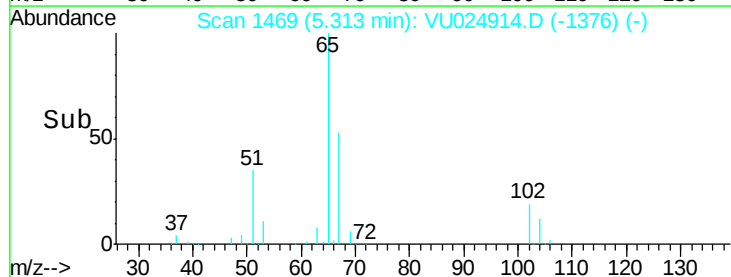
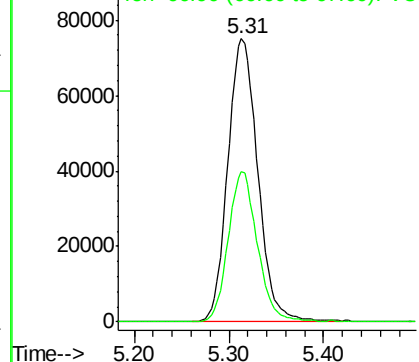


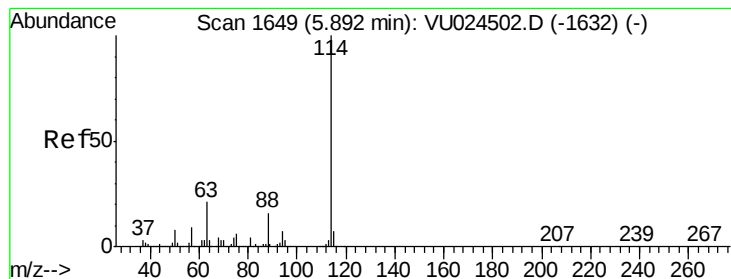
#33
1,2-Dichloroethane-d4
Concen: 45.889 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024914.D
Acq: 26 Jun 2018 07:27

Tgt Ion: 65 Resp: 165475
Ion Ratio Lower Upper
65 100
67 51.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024914.D

Acq: 26 Jun 2018 07:27

Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-31-33-180620ME

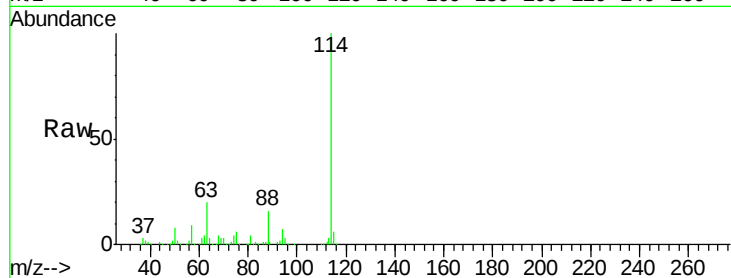
Tgt Ion:114 Resp: 333541

Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.4

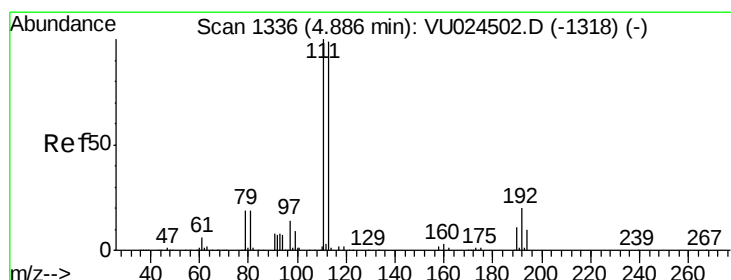
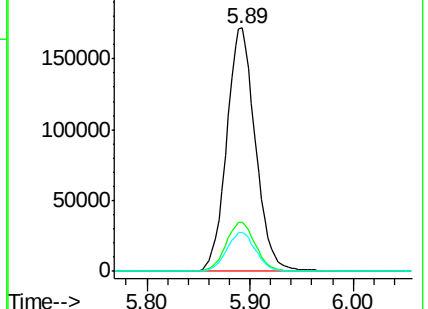
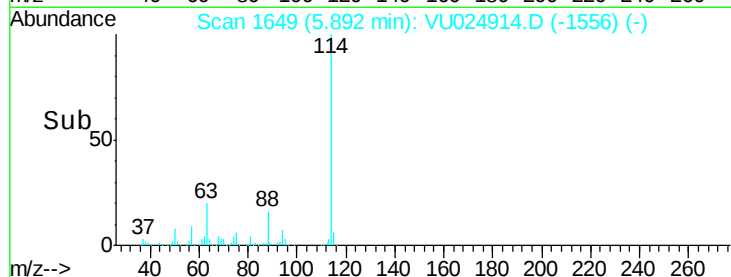
88 16.2 0.0 31.0



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: 47.553 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024914.D

Acq: 26 Jun 2018 07:27

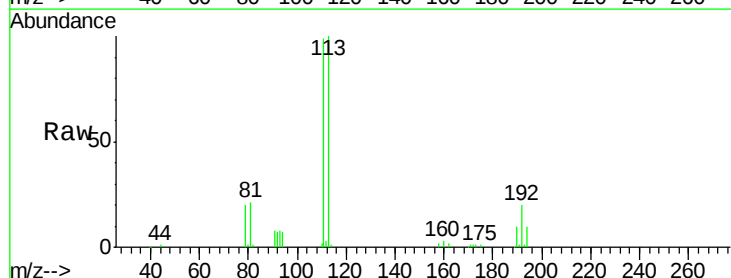
Tgt Ion:113 Resp: 131634

Ion Ratio Lower Upper

113 100

111 100.1 82.2 123.4

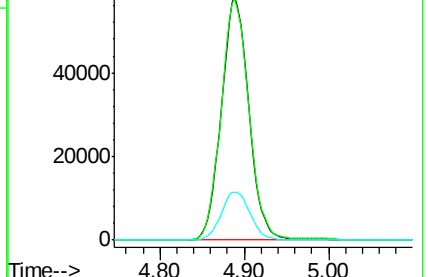
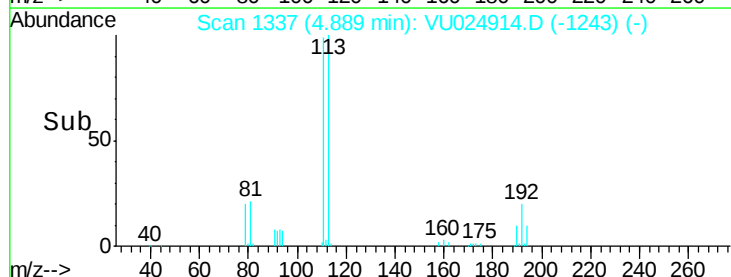
192 20.8 16.2 24.4

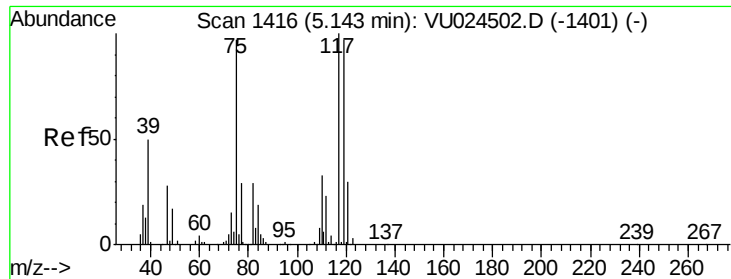


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.271 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024914.D

Acq: 26 Jun 2018 07:27

Instrument :

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ClientSampleId :

WP021SB479-31-33-180620ME

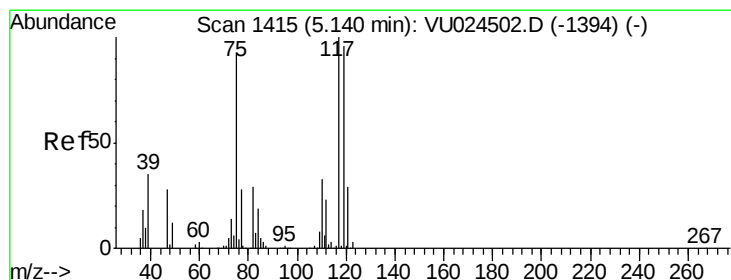
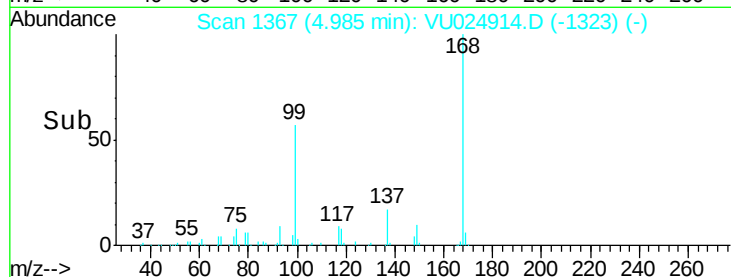
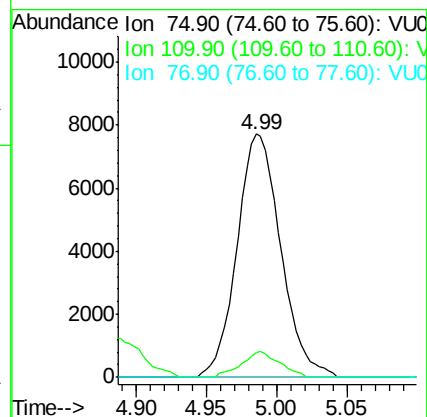
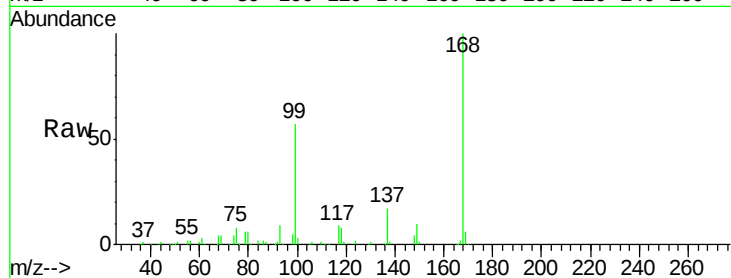
Tgt Ion: 75 Resp: 16740

Ion Ratio Lower Upper

75 100

110 9.1 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.730 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024914.D

Acq: 26 Jun 2018 07:27

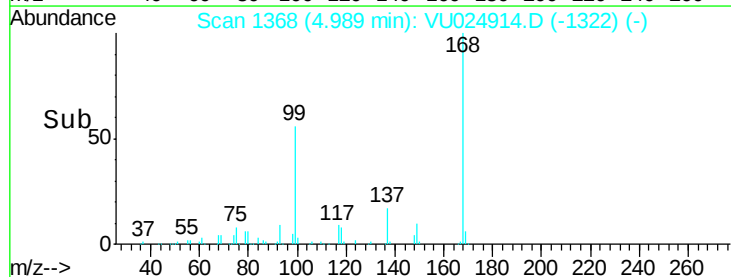
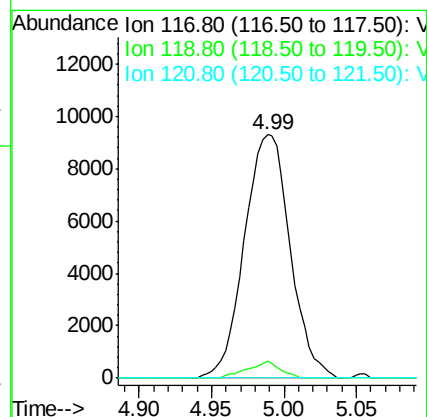
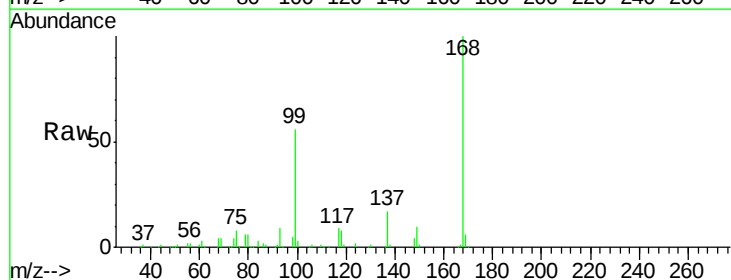
Tgt Ion: 117 Resp: 20386

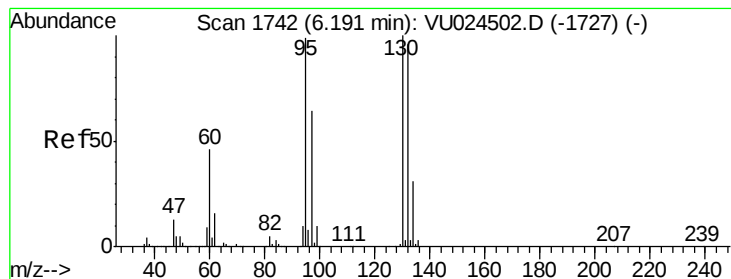
Ion Ratio Lower Upper

117 100

119 6.8 76.1 114.1#

121 0.0 23.7 35.5#





#44

Trichloroethene

Concen: 2.166 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024914.D

Acq: 26 Jun 2018 07:27

Instrument :

MSVOA_U

ClientSampleId :

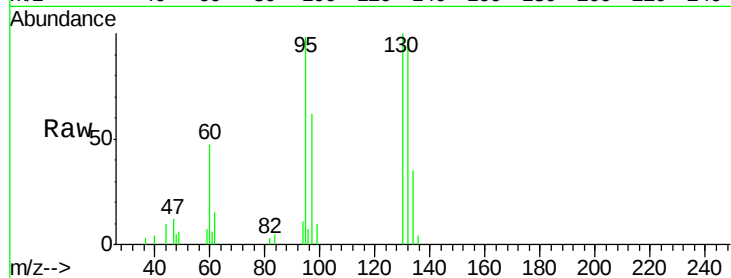
WP021SB479-31-33-180620ME

Tgt Ion:130 Resp: 6883

Ion Ratio Lower Upper

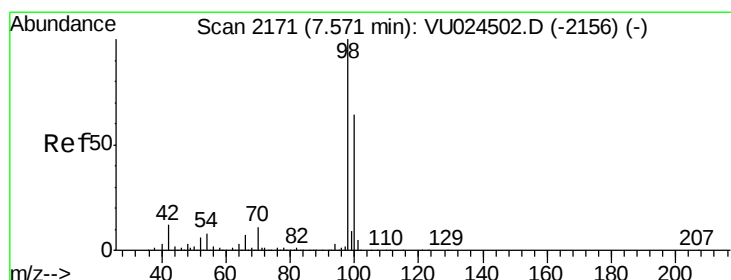
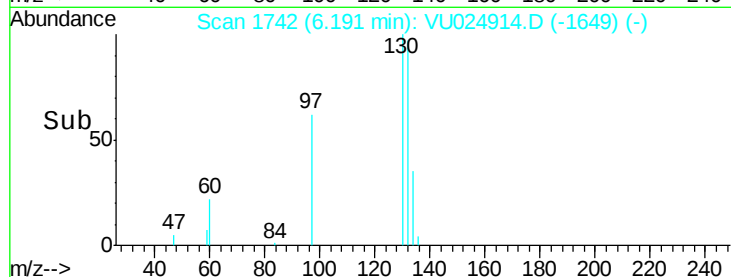
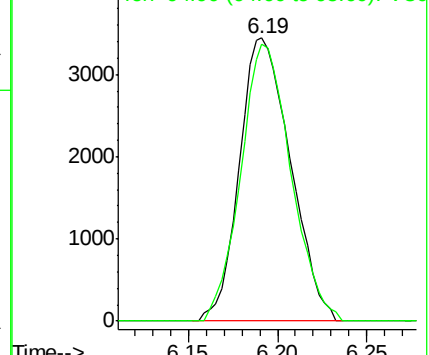
130 100

95 98.1 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024914.D (-1649) (-)

Ion 94.90 (94.60 to 95.60): VU024914.D (-1649) (-)



#50

Toluene-d8

Concen: 48.162 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024914.D

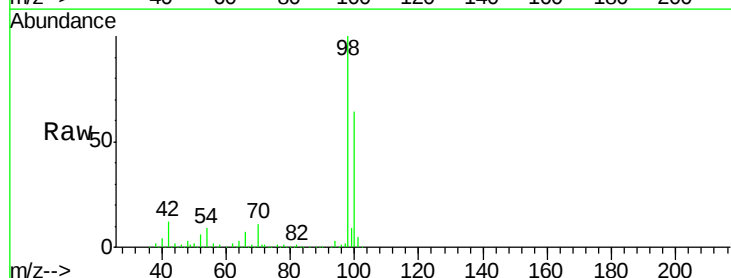
Acq: 26 Jun 2018 07:27

Tgt Ion: 98 Resp: 486295

Ion Ratio Lower Upper

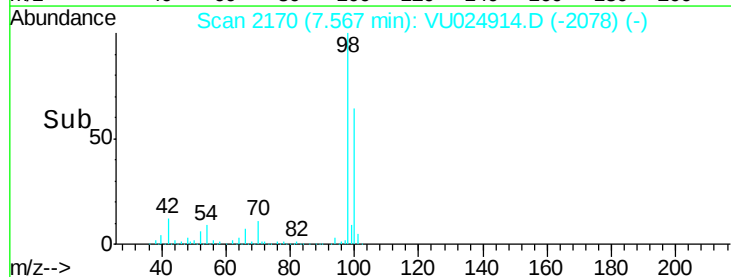
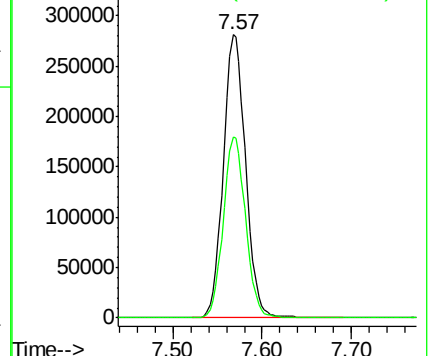
98 100

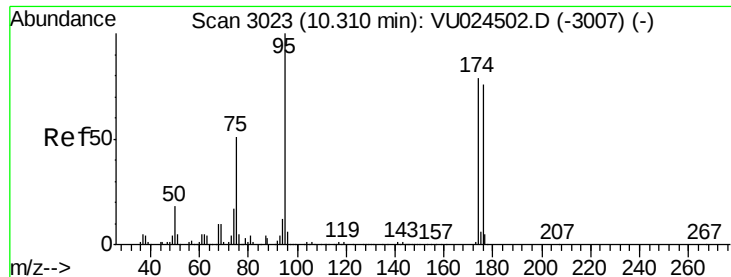
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024914.D (-2078) (-)

Ion 100.00 (99.70 to 100.70): VU024914.D (-2078) (-)





#62

4-Bromofluorobenzene

Concen: 44.513 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024914.D

Acq: 26 Jun 2018 07:27

Instrument :

MSVOA_U

ClientSampleId :

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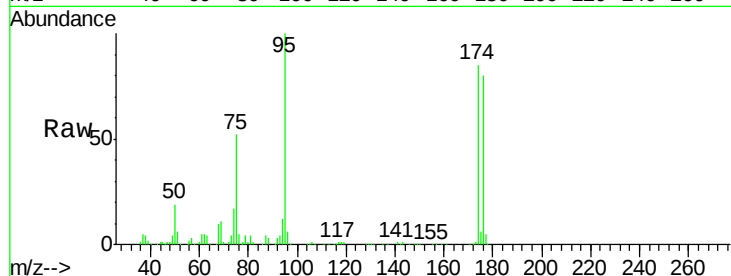
Tgt Ion: 95 Resp: 178449

Ion Ratio Lower Upper

95 100

174 85.4 0.0 165.8

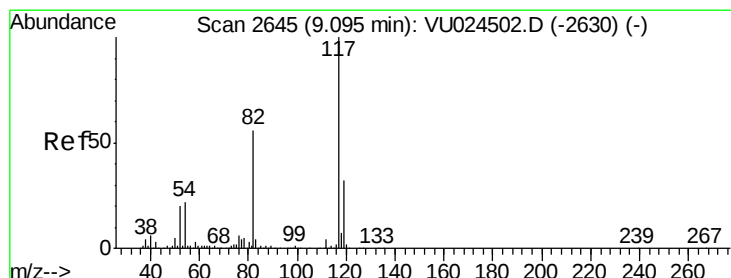
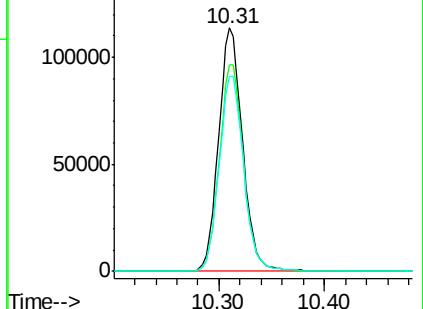
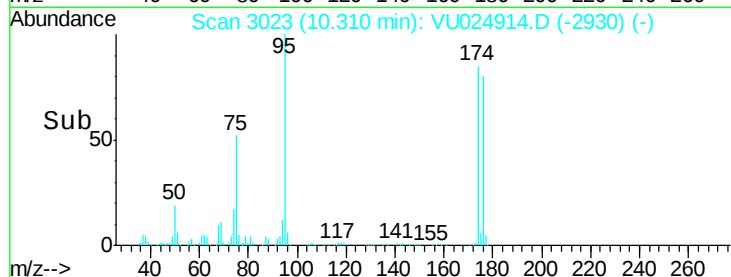
176 82.2 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024914.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024914.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024914.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU024914.D

Acq: 26 Jun 2018 07:27

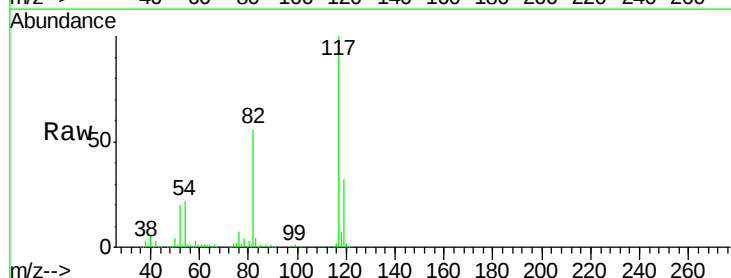
Tgt Ion: 117 Resp: 310047

Ion Ratio Lower Upper

117 100

82 55.5 44.3 66.5

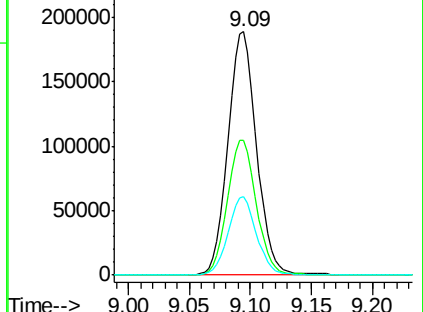
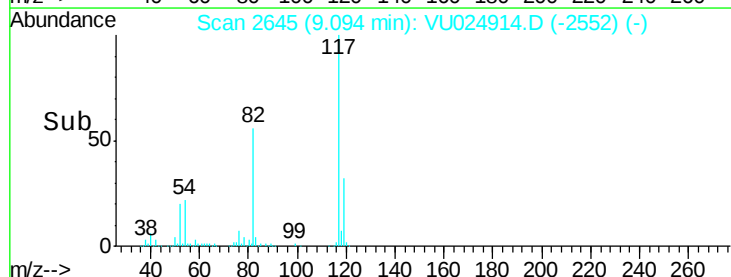
119 32.2 25.4 38.2

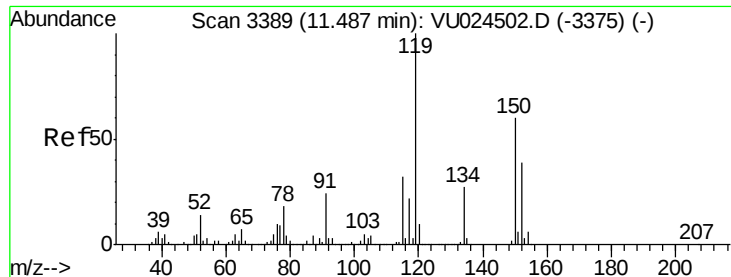


Abundance Ion 116.90 (116.60 to 117.60): VU024914.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024914.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024914.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024914.D

Acq: 26 Jun 2018 07:27

Instrument :

MSVOA_U

ClientSampleId :

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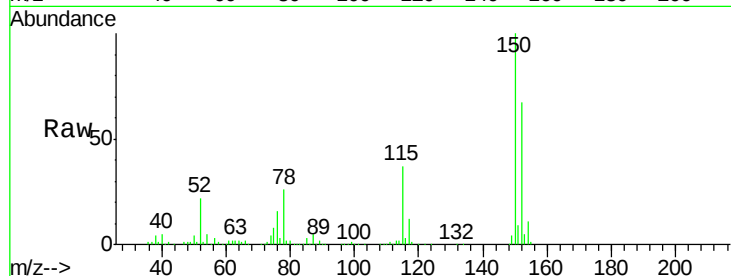
Tgt Ion:152 Resp: 167342

Ion Ratio Lower Upper

152 100

115 56.8 43.0 129.0

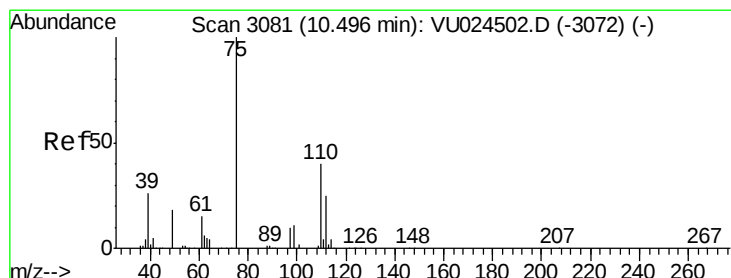
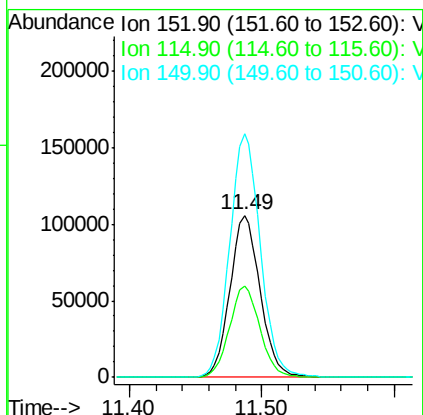
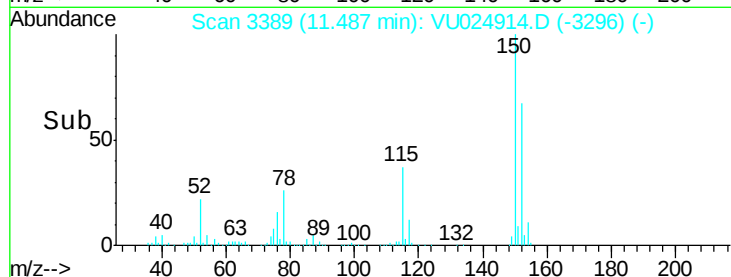
150 152.5 0.0 354.0



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: 25.147 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024914.D

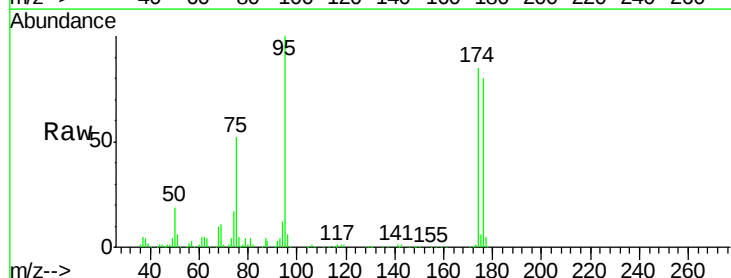
Acq: 26 Jun 2018 07:27

Tgt Ion: 75 Resp: 92648

Ion Ratio Lower Upper

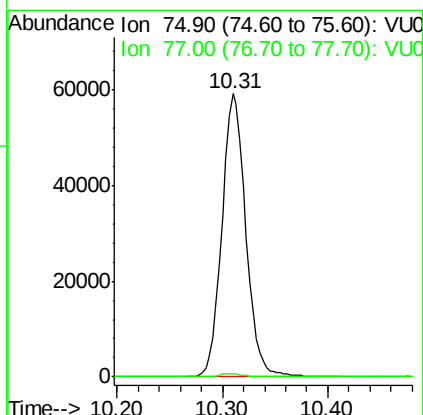
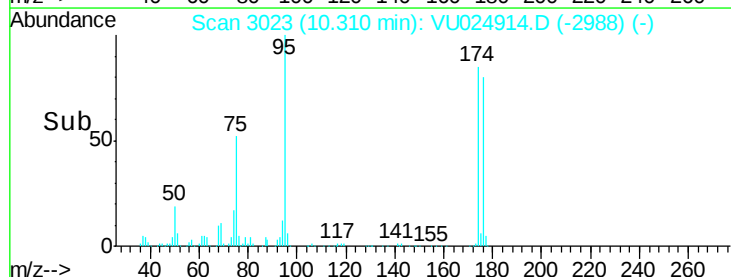
75 100

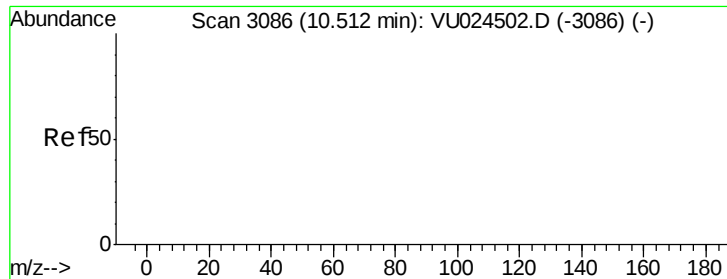
77 1.0 20.9 62.7#



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: 58.201 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024914.D

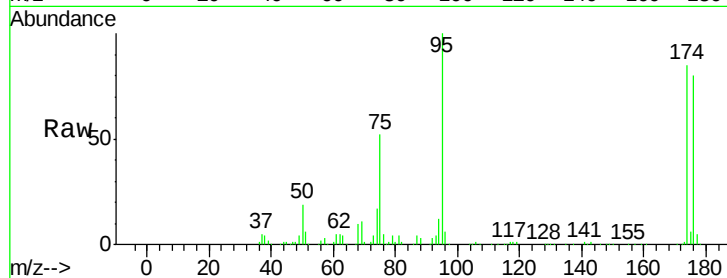
Acq: 26 Jun 2018 07:27

Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-31-33-180620ME



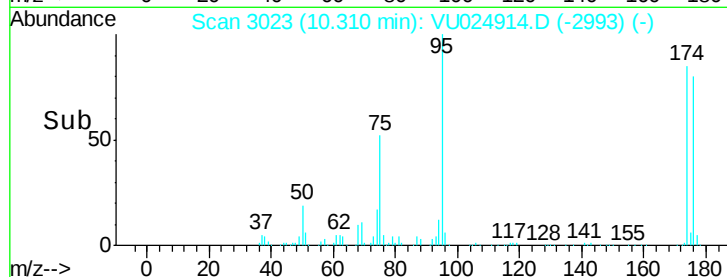
Tgt Ion: 75 Resp: 92648

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

