

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024973.D
 Acq On : 27 Jun 2018 18:05
 Operator : MD/SY
 Sample : J3669-23ME 200X
 Misc : 6.37g/5.0mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB479-27-29-180620ME

Quant Time: Jun 28 02:27:52 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

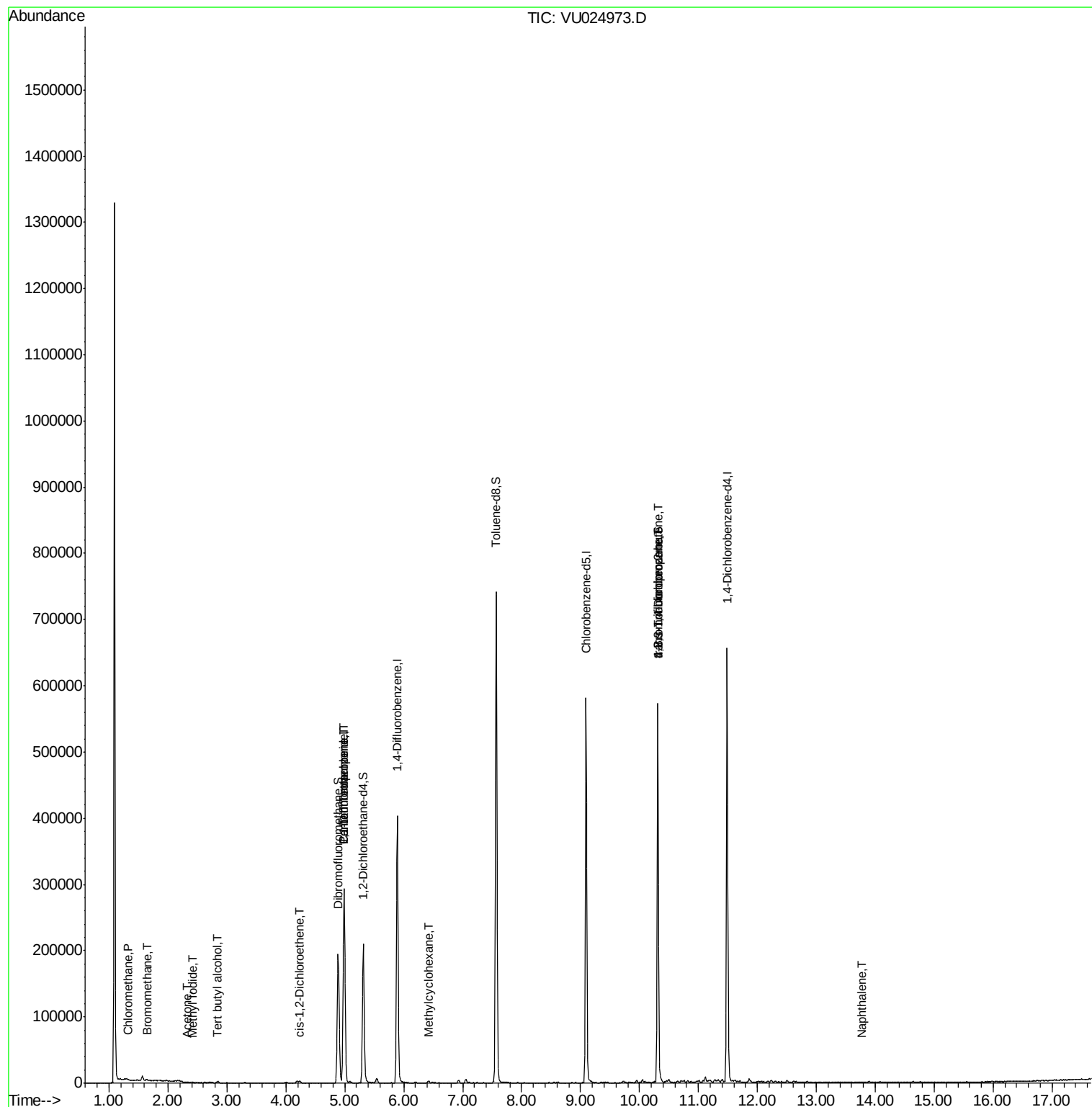
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	225040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	339139	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	311695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	168721	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	168805	45.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.90%	
35) Dibromofluoromethane	4.89	113	131745	46.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.62%	
50) Toluene-d8	7.57	98	493047	48.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	10.31	95	182759	44.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.68%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	630	0.219	ug/l	98
5) Bromomethane	1.64	94	396	0.276	ug/l	92
6) Chloroethane	1.68	64	65	Below Cal	#	43
10) Methyl Iodide	2.42	142	105	5.328	ug/l #	40
11) Tert butyl alcohol	2.84	59	1147	1.284	ug/l #	72
16) Acetone	2.32	43	983	0.498	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	652	0.201	ug/l	45
31) Cyclohexane	4.99	56	4688	Below Cal	#	16
36) 1,1-Dichloropropene	4.99	75	17097	4.290	ug/l #	51
38) Carbon Tetrachloride	4.99	117	22193	5.064	ug/l #	15
39) Methylcyclohexane	6.43	83	1101	0.221	ug/l #	90
76) 1,2,3-Trichloropropane	10.31	75	95011	25.578	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	95011	59.197	ug/l #	100
95) Naphthalene	13.77	128	41	0.683	ug/l #	69

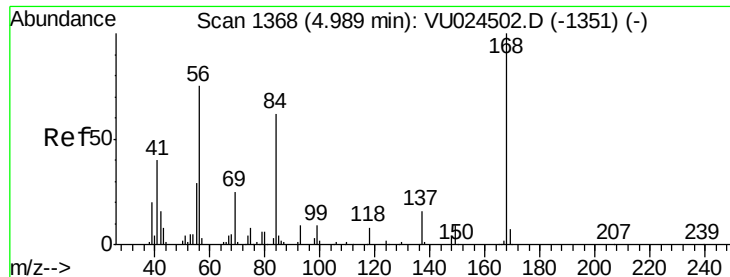
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024973.D

Acq: 27 Jun 2018 18:05

Instrument :

MSVOA_U

ClientSampleId :

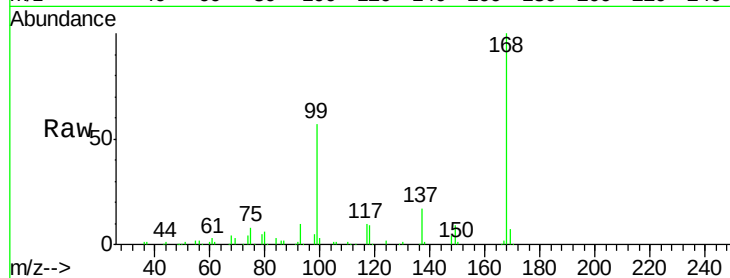
WP021SB479-27-29-180620ME

Tgt Ion:168 Resp: 225040

Ion Ratio Lower Upper

168 100

99 56.9 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

100000

80000

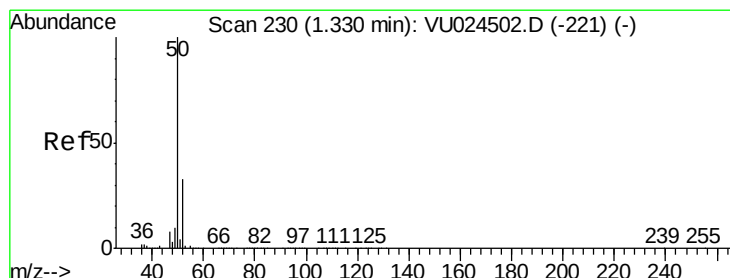
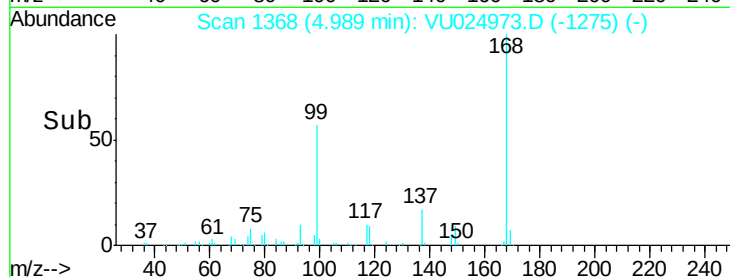
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.219 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024973.D

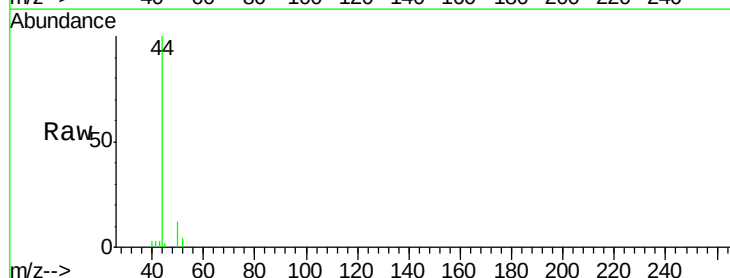
Acq: 27 Jun 2018 18:05

Tgt Ion: 50 Resp: 630

Ion Ratio Lower Upper

50 100

52 31.7 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) (-)

1.33

600

500

400

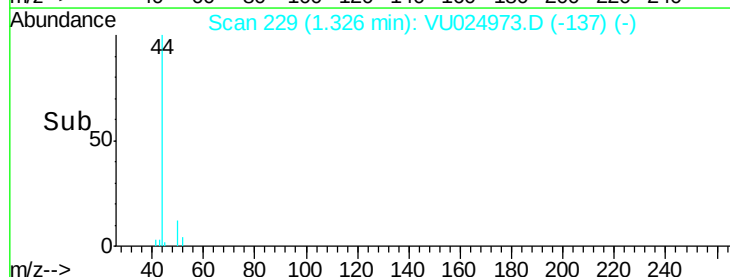
300

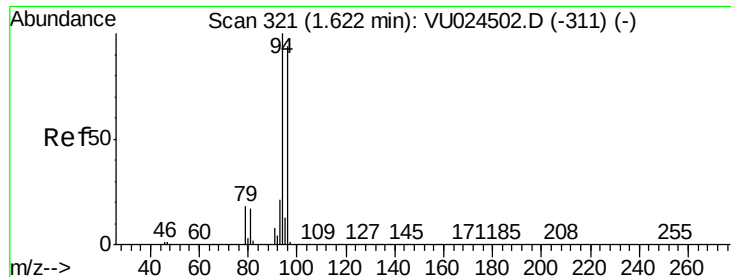
200

100

0

Time-->





#5

Bromomethane

Concen: 0.276 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024973.D

Acq: 27 Jun 2018 18:05

Instrument :

MSVOA_U

ClientSampleId :

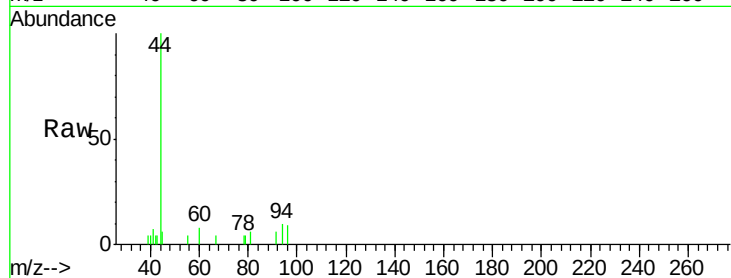
WP021SB479-27-29-180620ME

Tgt Ion: 94 Resp: 396

Ion Ratio Lower Upper

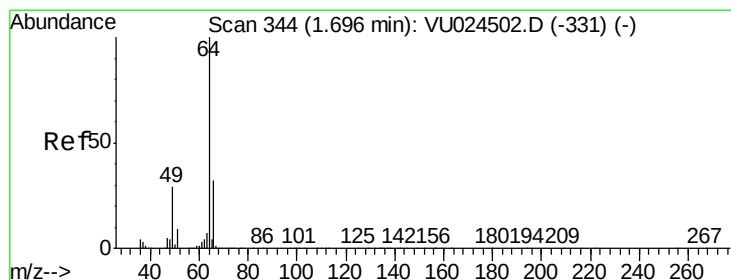
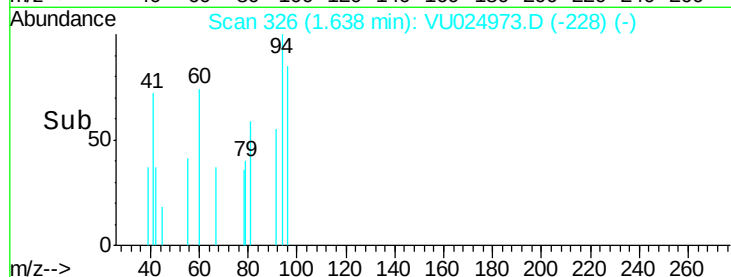
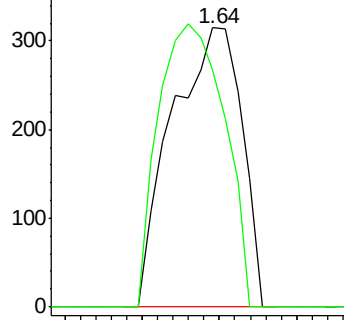
94 100

96 85.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU024973.D

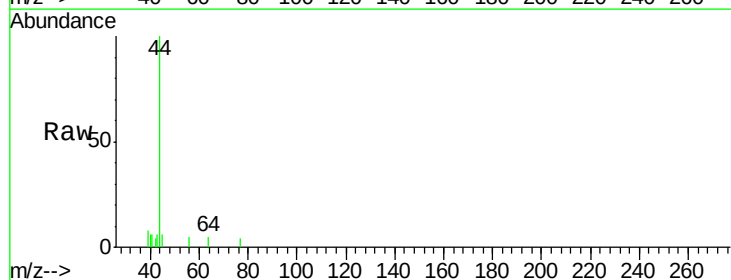
Acq: 27 Jun 2018 18:05

Tgt Ion: 64 Resp: 65

Ion Ratio Lower Upper

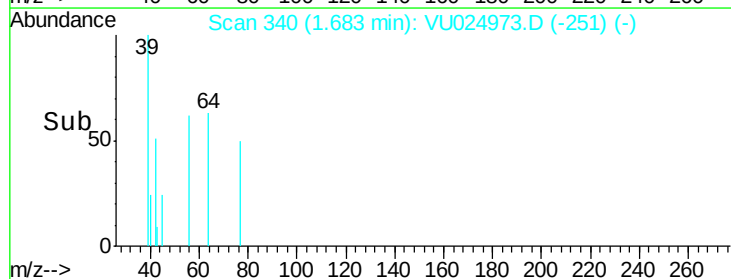
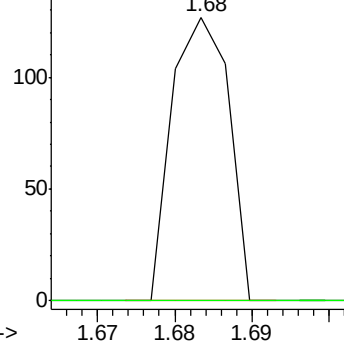
64 100

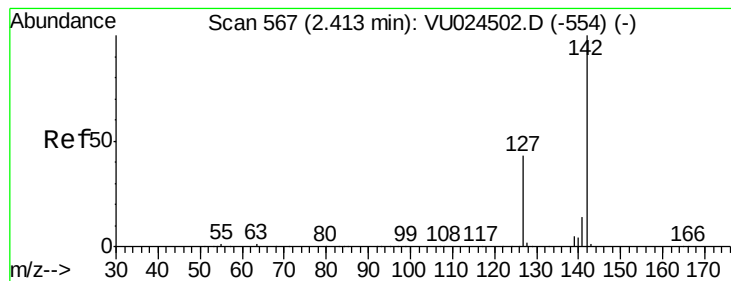
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methyl Iodide

Concen: 5.328 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU024973.D

Acq: 27 Jun 2018 18:05

Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-27-29-180620ME

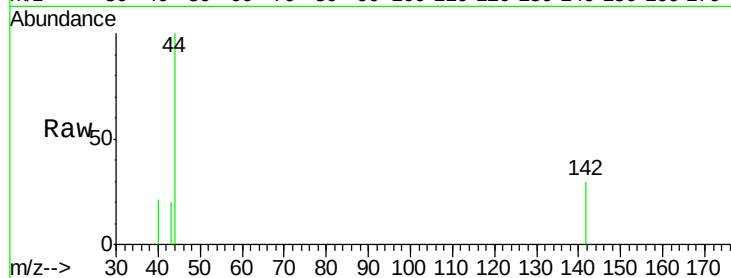
Tgt Ion: 142 Resp: 105

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

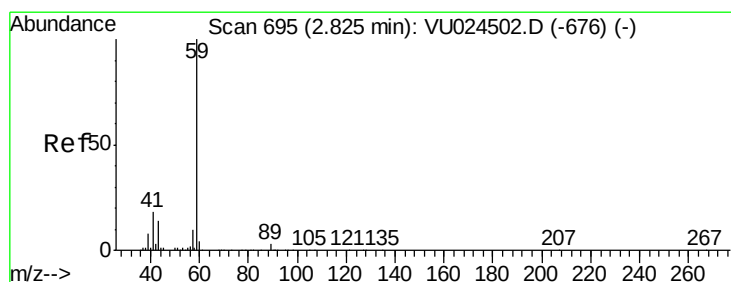
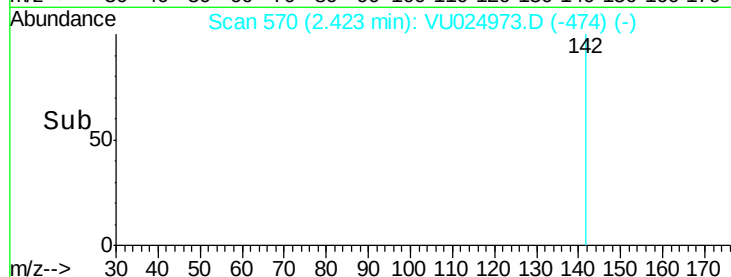
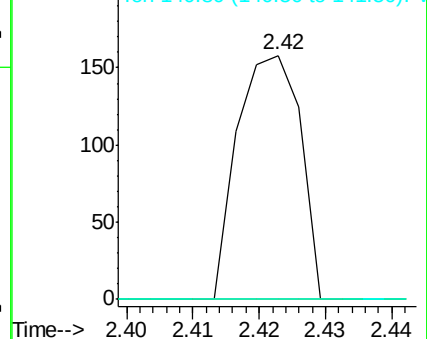
141 0.0 11.7 17.5#



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



#11

Tert butyl alcohol

Concen: 1.284 ug/l

RT: 2.84 min Scan# 700

Delta R.T. 0.02 min

Lab File: VU024973.D

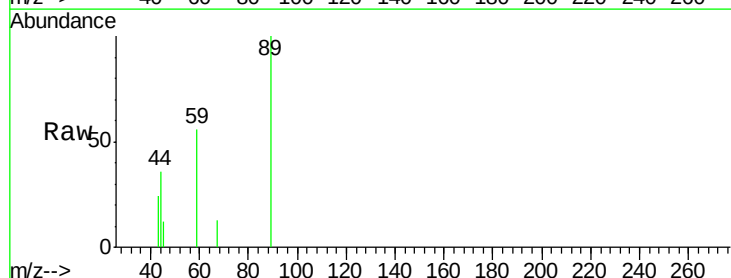
Acq: 27 Jun 2018 18:05

Tgt Ion: 59 Resp: 1147

Ion Ratio Lower Upper

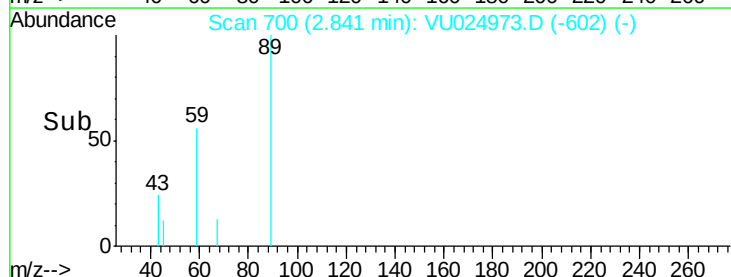
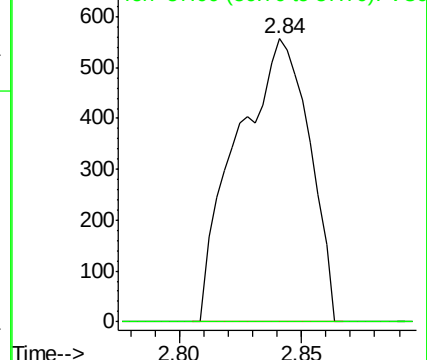
59 100

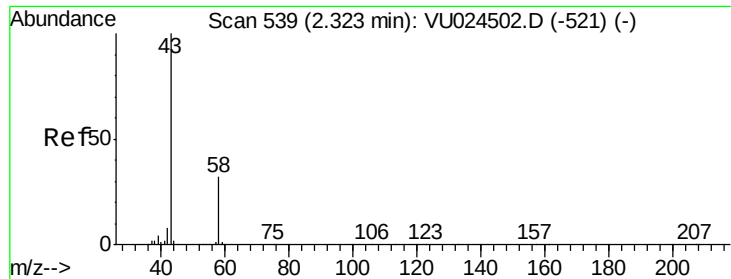
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 0.498 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024973.D

Acq: 27 Jun 2018 18:05

Instrument :

MSVOA_U

ClientSampleId :

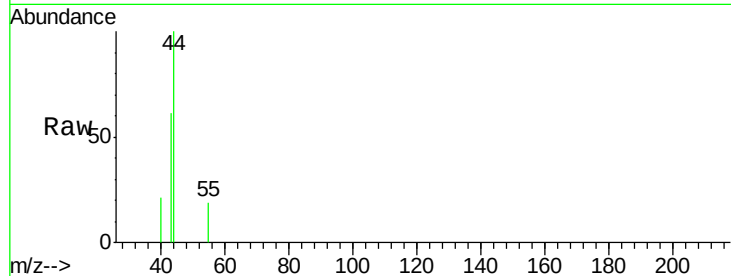
WP021SB479-27-29-180620ME

Tgt Ion: 43 Resp: 983

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

400

300

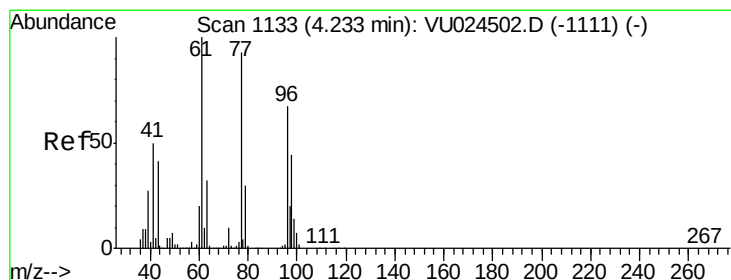
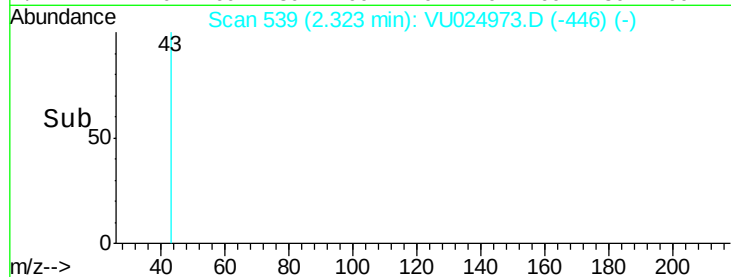
200

100

0

2.30 2.35

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.201 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024973.D

Acq: 27 Jun 2018 18:05

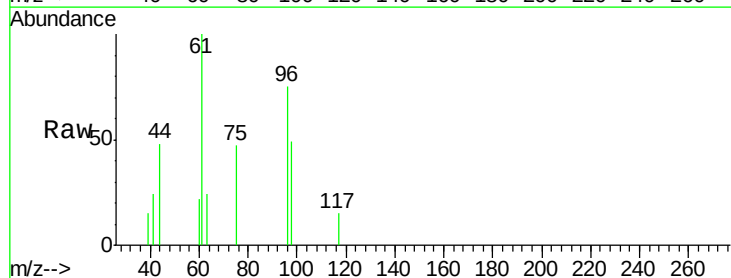
Tgt Ion: 96 Resp: 652

Ion Ratio Lower Upper

96 100

61 226.4 0.0 306.6

98 104.3 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

800

600

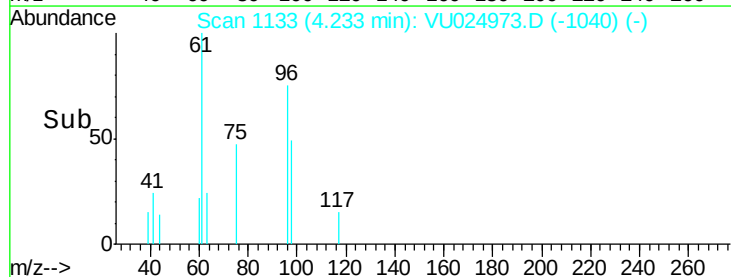
400

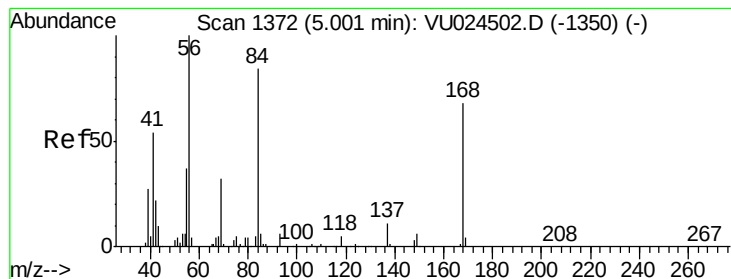
200

0

4.20 4.22 4.24

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU024973.D

Acq: 27 Jun 2018 18:05

Instrument :

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ClientSampleId :

WP021SB479-27-29-180620ME

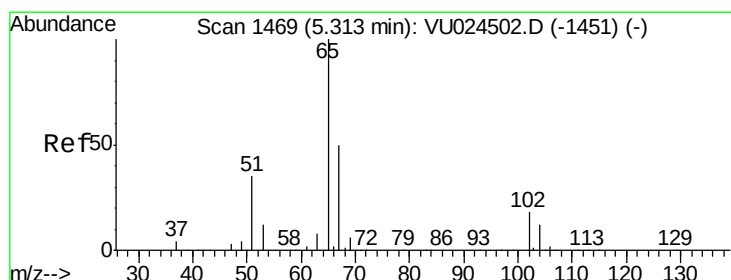
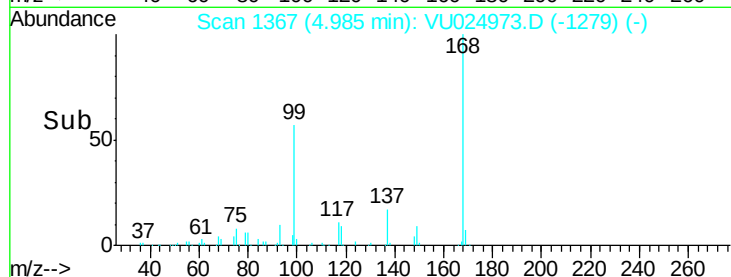
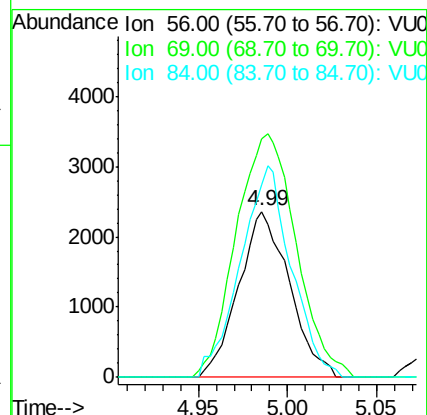
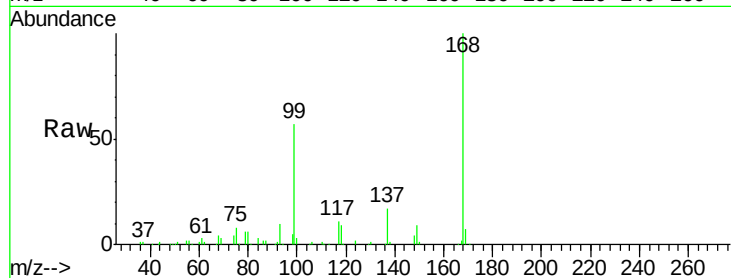
Tgt Ion: 56 Resp: 4688

Ion Ratio Lower Upper

56 100

69 144.0 24.8 37.2#

84 115.7 65.2 97.8#



#33

1,2-Dichloroethane-d4

Concen: 45.948 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024973.D

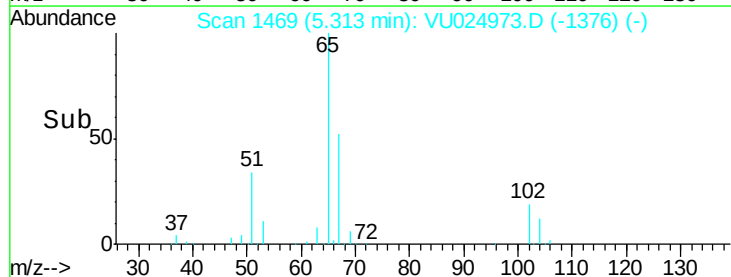
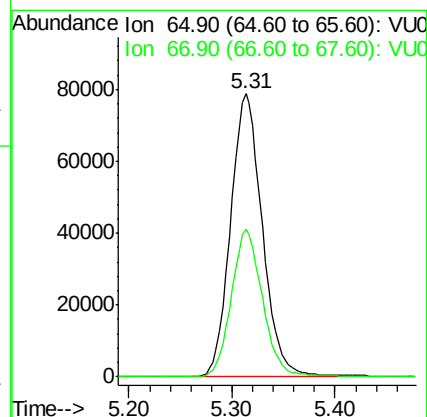
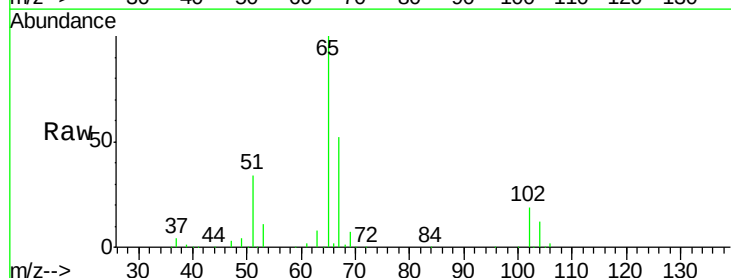
Acq: 27 Jun 2018 18:05

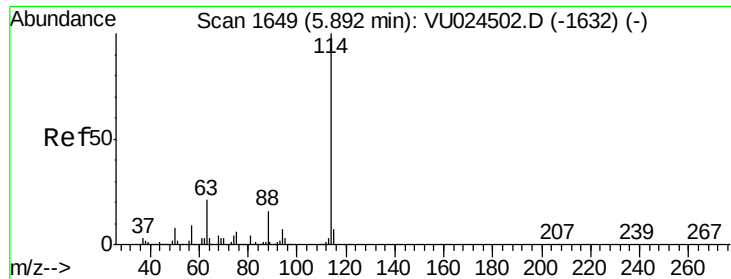
Tgt Ion: 65 Resp: 168805

Ion Ratio Lower Upper

65 100

67 51.2 0.0 107.0

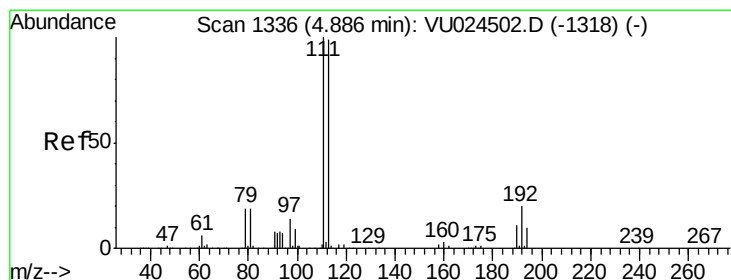
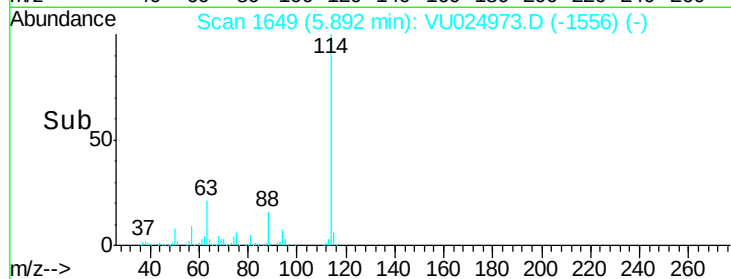
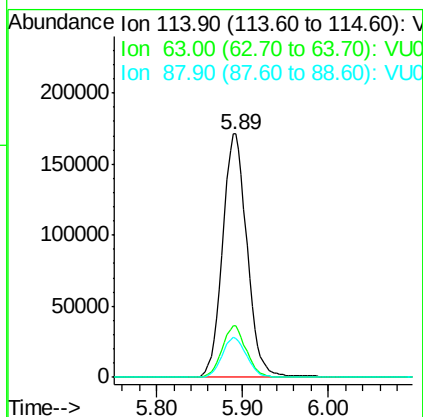
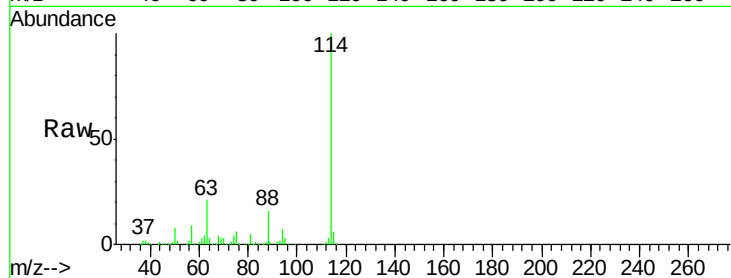




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024973.D
 Acq: 27 Jun 2018 18:05

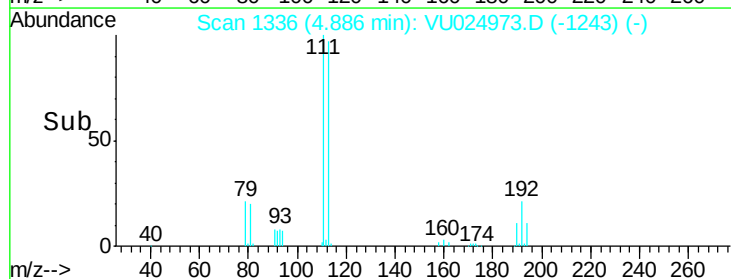
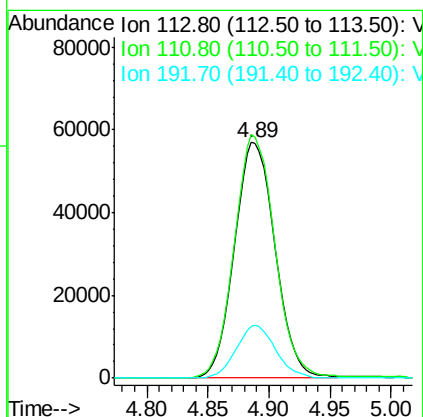
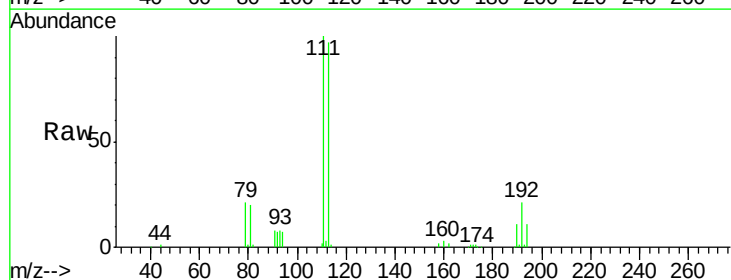
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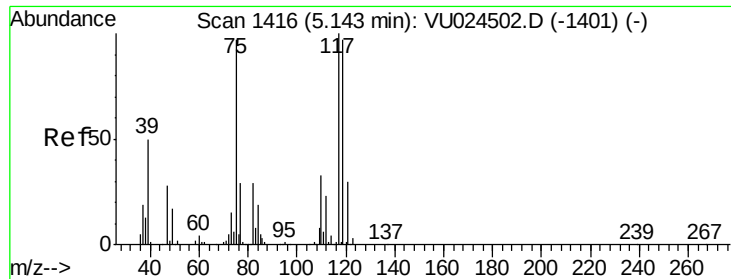
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	45.4
88	16.0	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 46.808 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024973.D
 Acq: 27 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.4
192	21.6	16.2	24.4

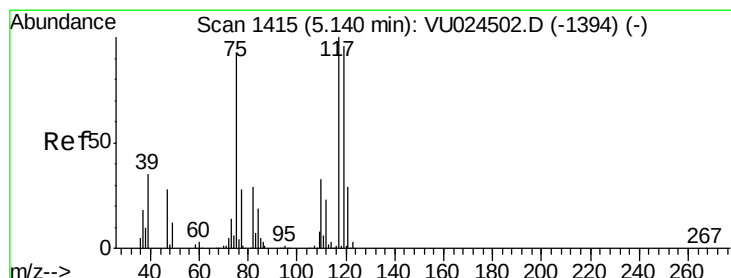
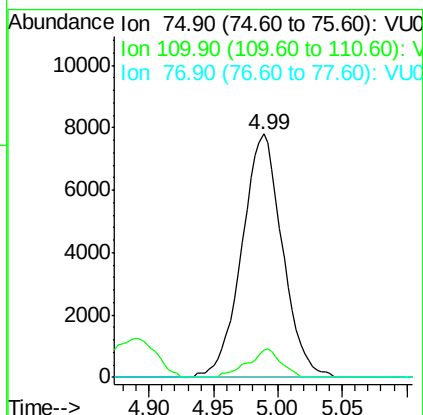
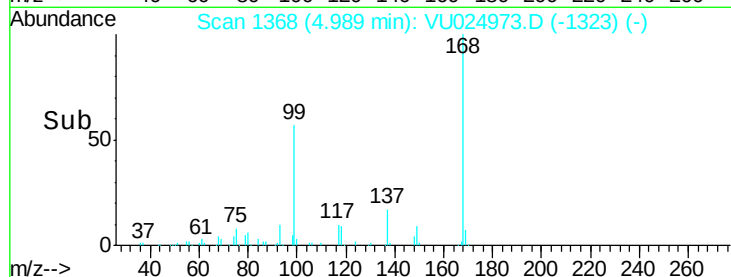
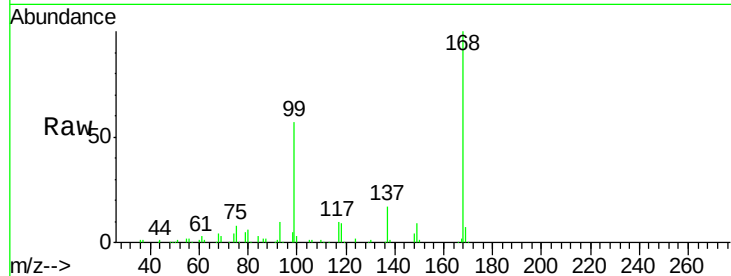




#36
 1,1-Dichloropropene
 Concen: 4.290 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024973.D
 Acq: 27 Jun 2018 18:05

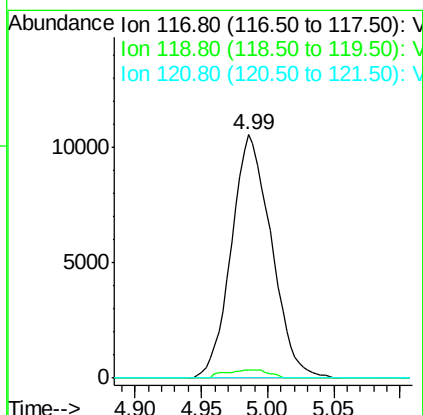
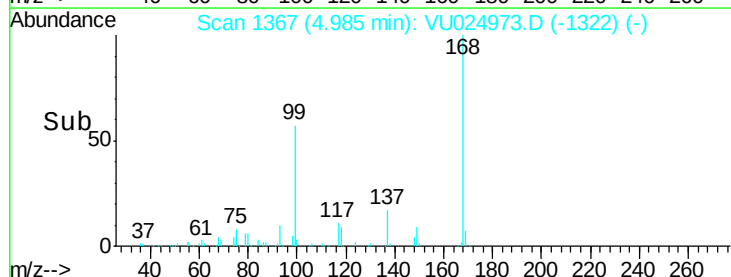
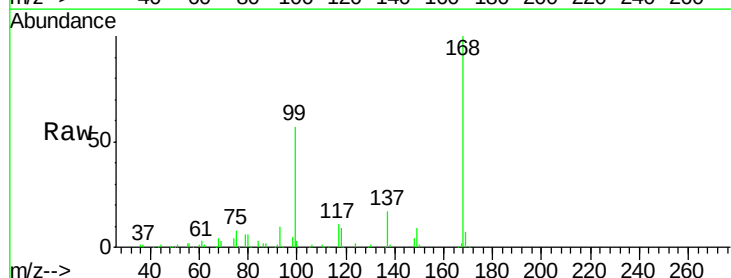
Instrument :
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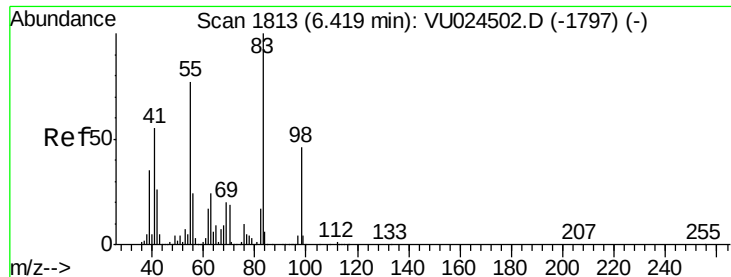
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.064 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU024973.D
 Acq: 27 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.2	76.1	114.1#
121	0.0	23.7	35.5#

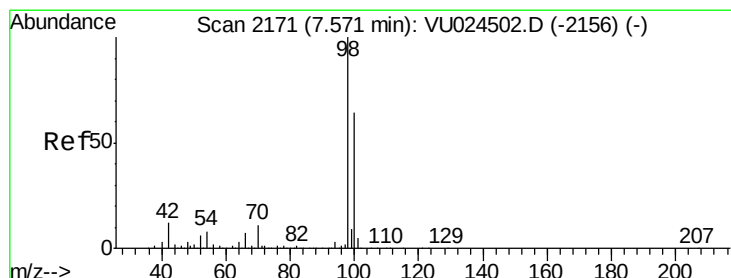
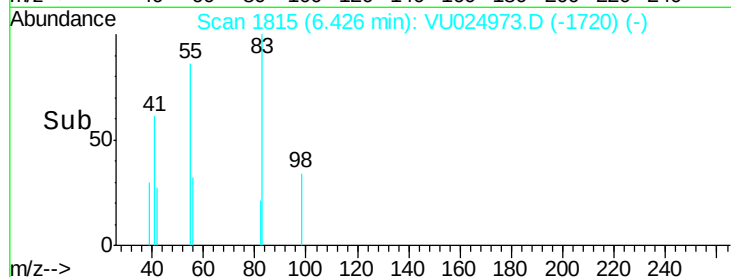
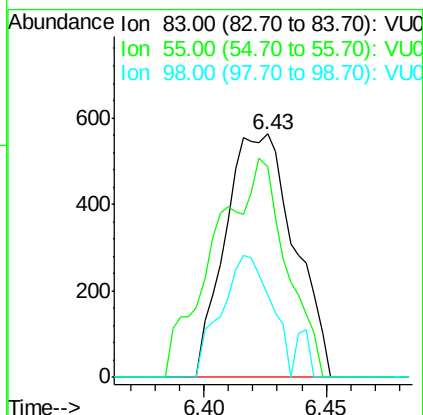
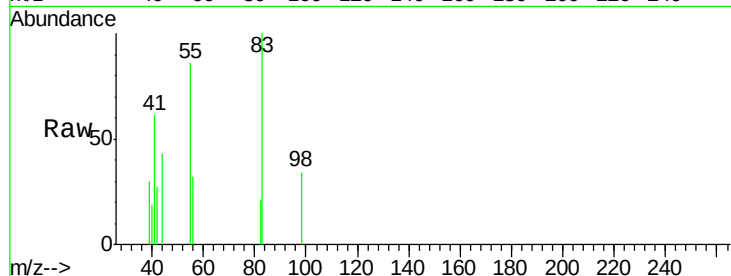




#39
Methylcyclohexane
Concen: 0.221 ug/l
RT: 6.43 min Scan# 1815
Delta R.T. 0.01 min
Lab File: VU024973.D
Acq: 27 Jun 2018 18:05

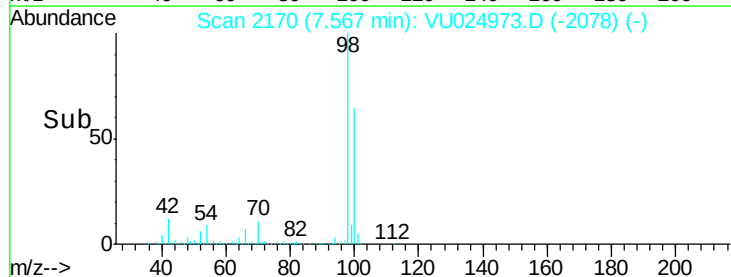
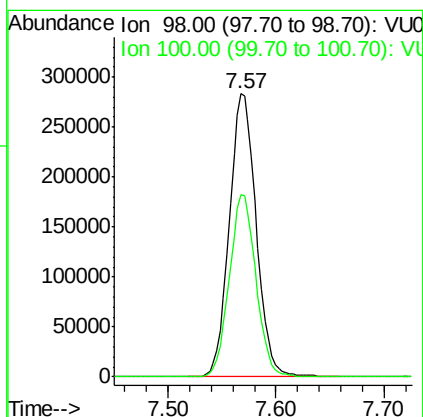
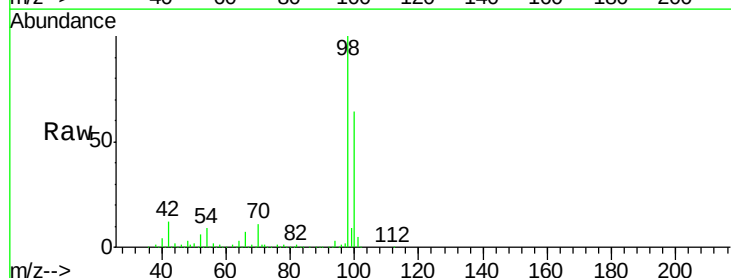
Instrument :
MSVOA_U
ClientSampleId :
WP021SB479-27-29-180620ME

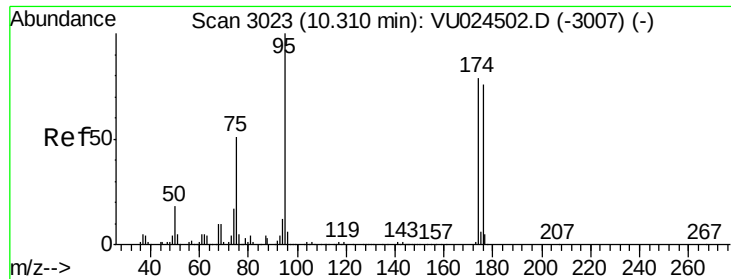
Tgt Ion: 83 Resp: 1101
Ion Ratio Lower Upper
83 100
55 86.1 65.8 98.6
98 33.6 36.7 55.1#



#50
Toluene-d8
Concen: 48.025 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024973.D
Acq: 27 Jun 2018 18:05

Tgt Ion: 98 Resp: 493047
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 44.836 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024973.D

Acq: 27 Jun 2018 18:05

Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-27-29-180620ME

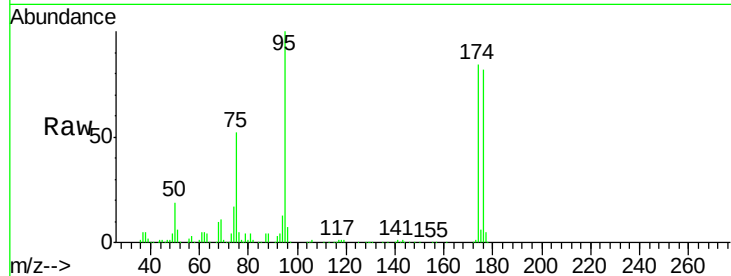
Tgt Ion: 95 Resp: 182759

Ion Ratio Lower Upper

95 100

174 85.0 0.0 165.8

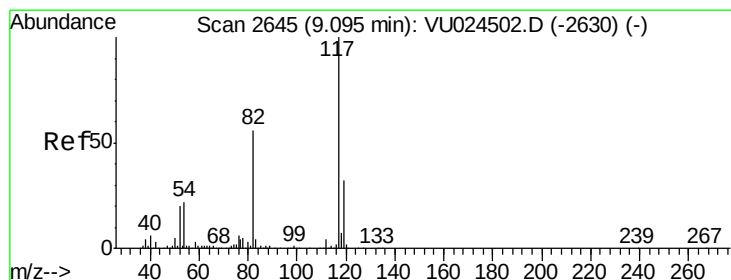
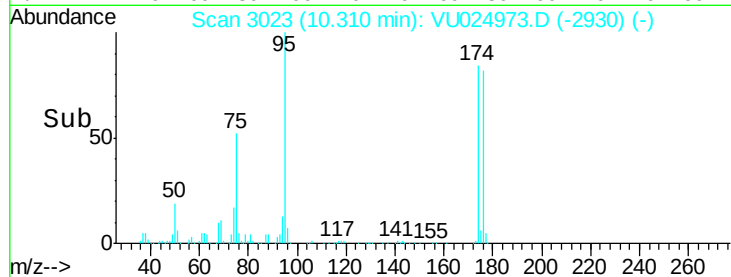
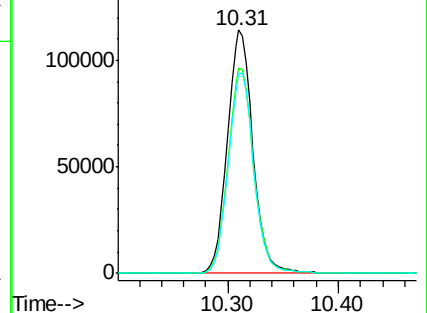
176 83.1 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024973.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024973.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024973.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024973.D

Acq: 27 Jun 2018 18:05

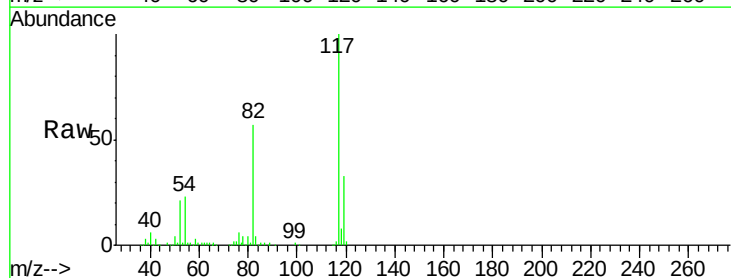
Tgt Ion: 117 Resp: 311695

Ion Ratio Lower Upper

117 100

82 57.4 44.3 66.5

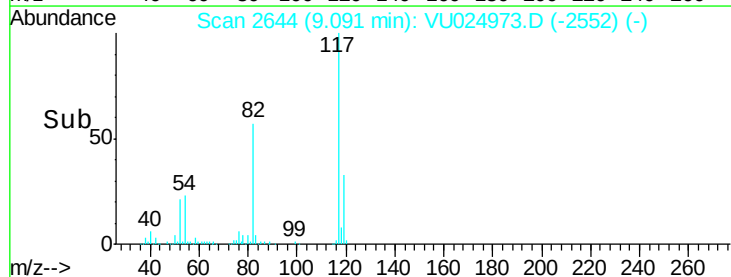
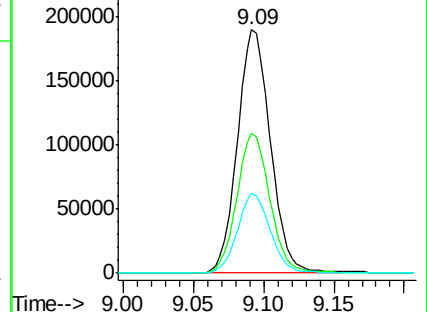
119 32.6 25.4 38.2

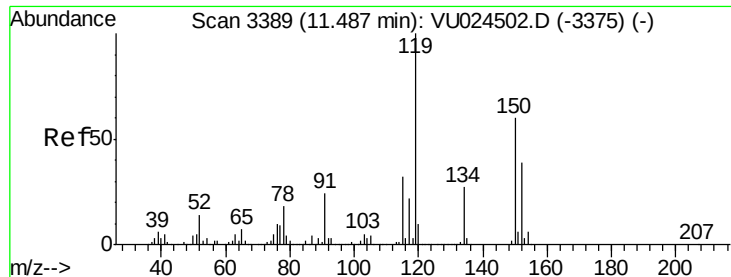


Abundance Ion 116.90 (116.60 to 117.60): VU024973.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024973.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024973.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: VU024973.D

Acq: 27 Jun 2018 18:05

Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-27-29-180620ME

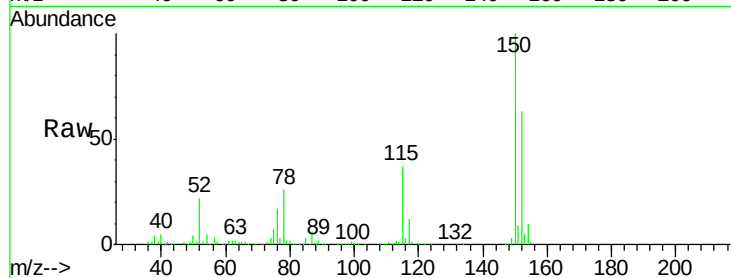
Tgt Ion:152 Resp: 168721

Ion Ratio Lower Upper

152 100

115 58.4 43.0 129.0

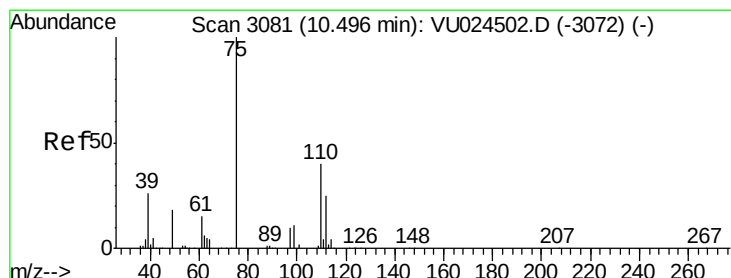
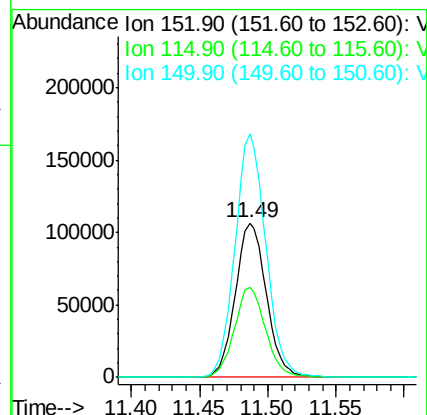
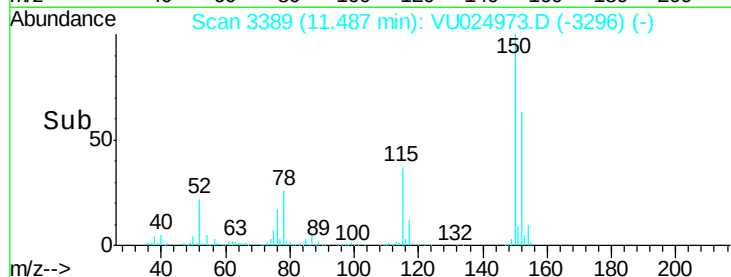
150 156.8 0.0 354.0



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: 25.578 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024973.D

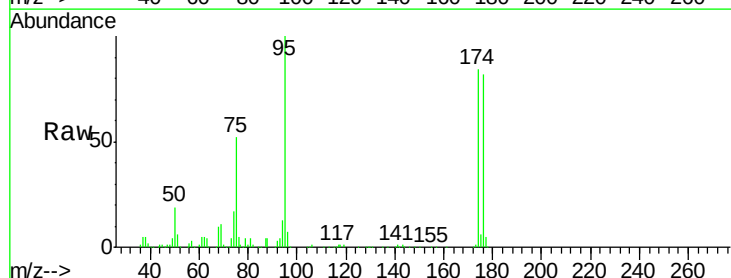
Acq: 27 Jun 2018 18:05

Tgt Ion: 75 Resp: 95011

Ion Ratio Lower Upper

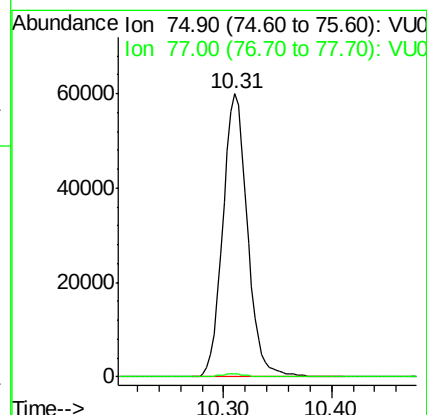
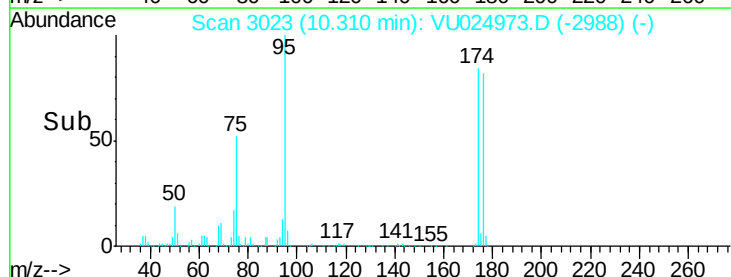
75 100

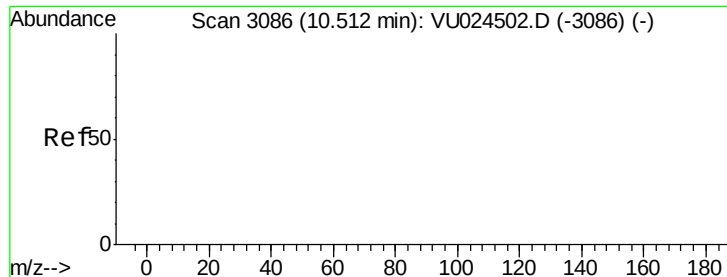
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

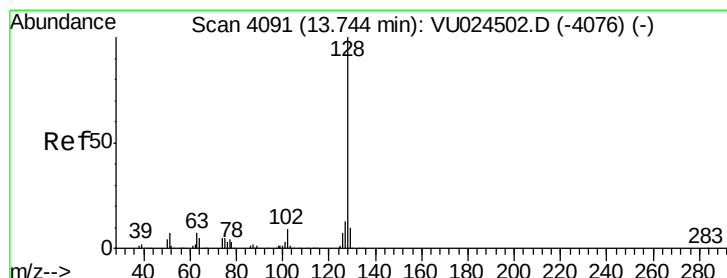
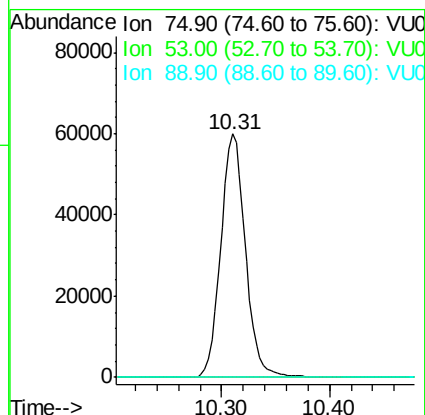
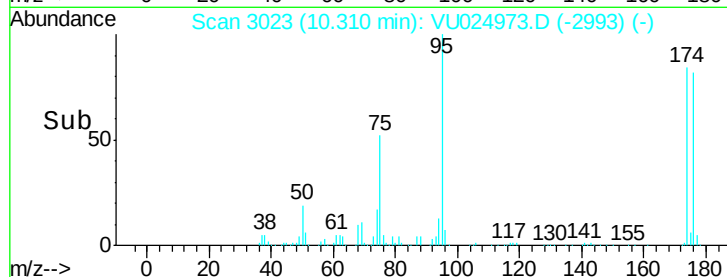
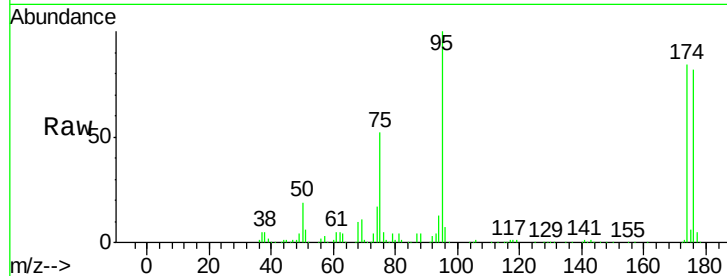




#81
trans-1,4-Dichloro-2-butene
Concen: 59.197 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024973.D
Acq: 27 Jun 2018 18:05

Instrument :
MSVOA_U
ClientSampleId :
WP021SB479-27-29-180620ME

Tgt Ion: 75 Resp: 95011
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 0.683 ug/l
RT: 13.77 min Scan# 4098
Delta R.T. 0.02 min
Lab File: VU024973.D
Acq: 27 Jun 2018 18:05

Tgt Ion: 128 Resp: 41
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

