

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024972.D
 Acq On : 27 Jun 2018 17:41
 Operator : MD/SY
 Sample : J3669-21ME 40X
 Misc : 6.20g/5.0mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-31-33-180620ME

Quant Time: Jun 28 02:27:41 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

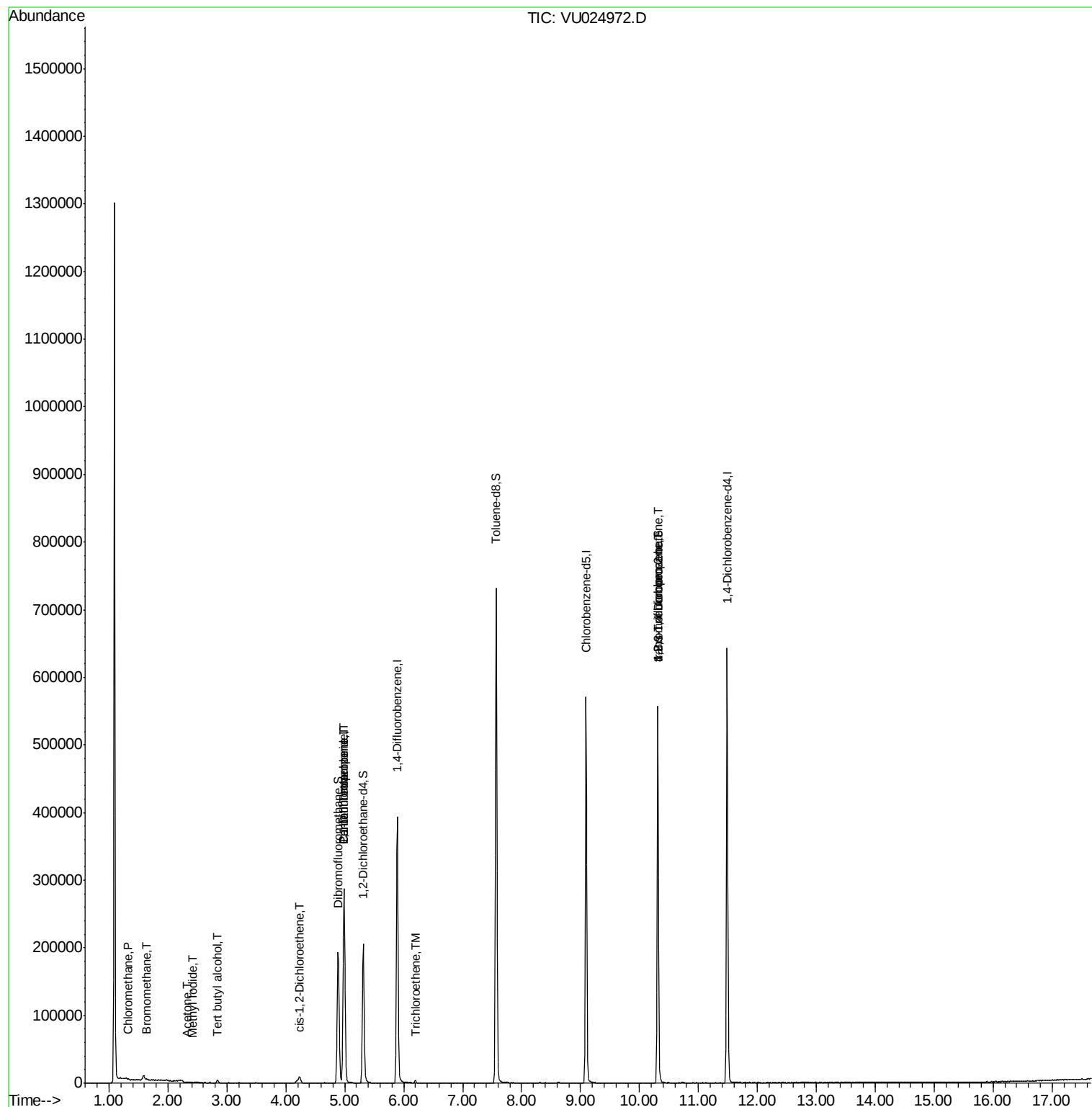
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	222527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	332266	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	311235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167286	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	167091	46.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.00%	
35) Dibromofluoromethane	4.89	113	130311	47.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.52%	
50) Toluene-d8	7.57	98	484126	48.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.26%	
62) 4-Bromofluorobenzene	10.31	95	180339	45.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.32%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	649	0.228	ug/l	94
5) Bromomethane	1.63	94	558	0.393	ug/l	92
6) Chloroethane	1.45	64	93	Below Cal	#	43
10) Methyl Iodide	2.42	142	45	5.306	ug/l #	40
11) Tert butyl alcohol	2.84	59	2133	2.414	ug/l #	72
16) Acetone	2.32	43	728	0.373	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	4768	1.486	ug/l	89
31) Cyclohexane	4.99	56	4487	Below Cal	#	12
36) 1,1-Dichloropropene	4.99	75	16912	4.332	ug/l #	50
38) Carbon Tetrachloride	4.99	117	21346	4.972	ug/l #	16
44) Trichloroethene	6.19	130	1415	0.447	ug/l	91
76) 1,2,3-Trichloropropane	10.31	75	95619	25.962	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	95619	60.087	ug/l #	100

(#) = 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: VU024972.D

Acq: 27 Jun 2018 17:41

Instrument :

MSVOA_U

ClientSampleId :

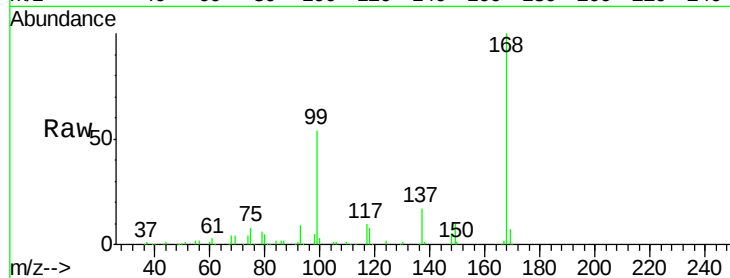
WP021SB475-31-33-180620ME

Tgt Ion:168 Resp: 222527

Ion Ratio Lower Upper

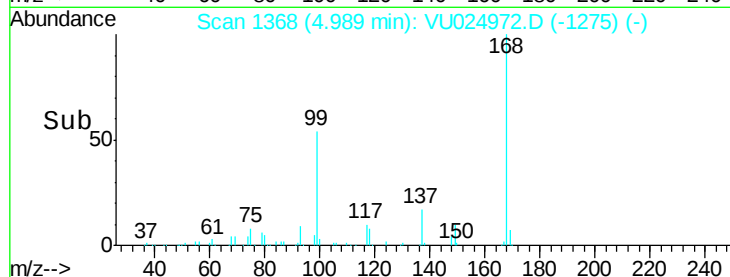
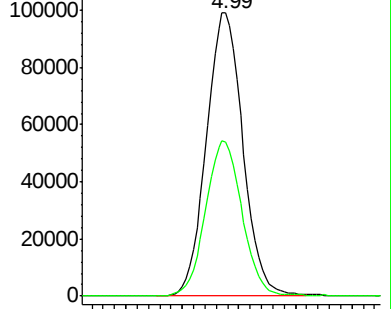
168 100

99 54.4 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D



#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024972.D

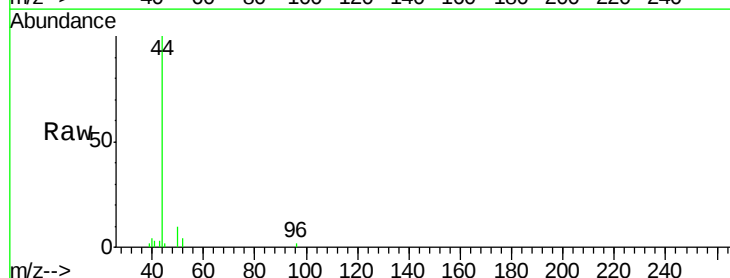
Acq: 27 Jun 2018 17:41

Tgt Ion: 50 Resp: 649

Ion Ratio Lower Upper

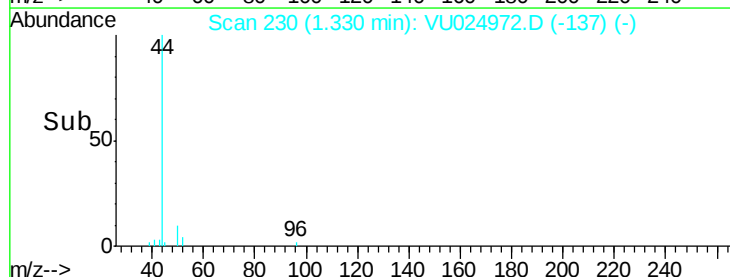
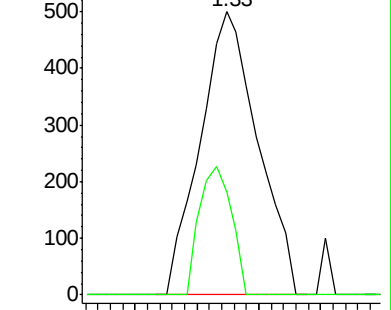
50 100

52 36.4 26.4 39.6



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

Ion 51.90 (51.60 to 52.60): VU024502.D





#5

Bromomethane

Concen: 0.393 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU024972.D

Acq: 27 Jun 2018 17:41

Instrument :

MSVOA_U

ClientSampleId :

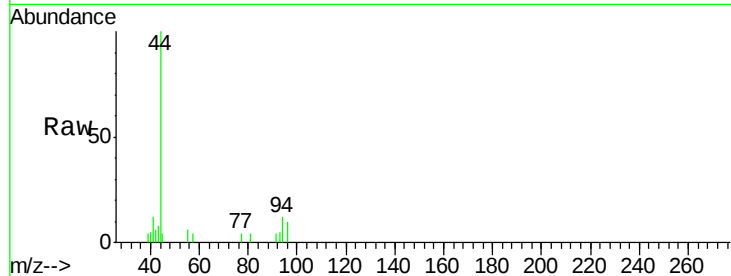
WP021SB475-31-33-180620ME

Tgt Ion: 94 Resp: 558

Ion Ratio Lower Upper

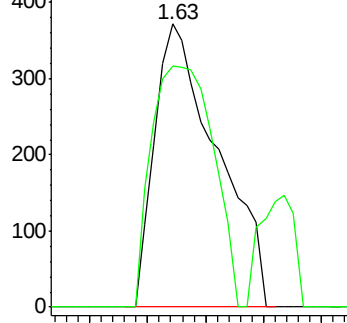
94 100

96 85.2 74.5 111.7

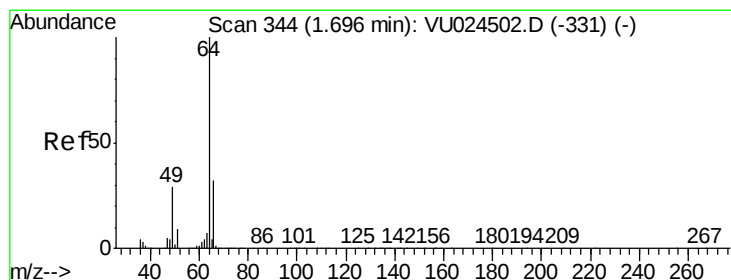
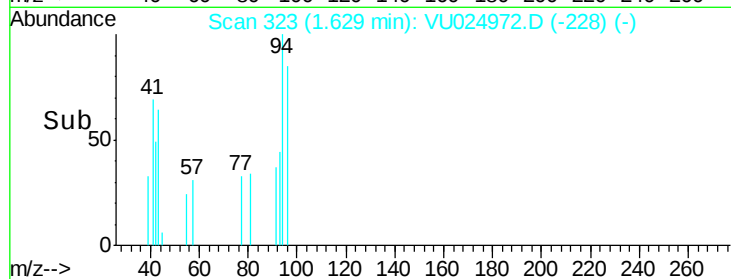


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.45 min Scan# 266

Delta R.T. -0.25 min

Lab File: VU024972.D

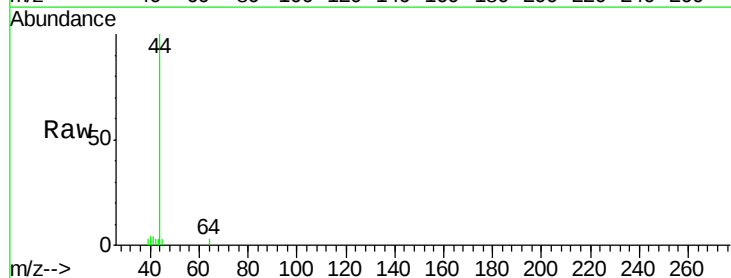
Acq: 27 Jun 2018 17:41

Tgt Ion: 64 Resp: 93

Ion Ratio Lower Upper

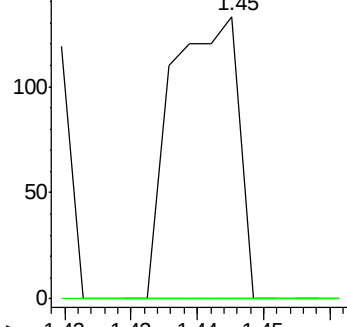
64 100

66 0.0 25.5 38.3#

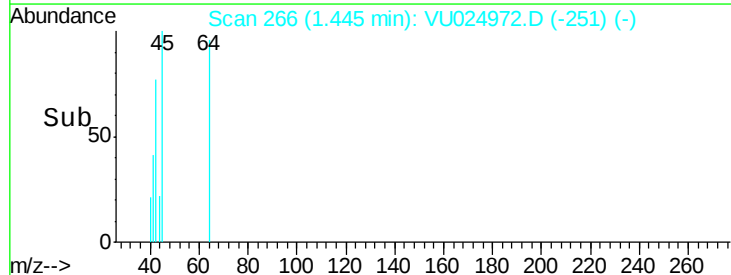


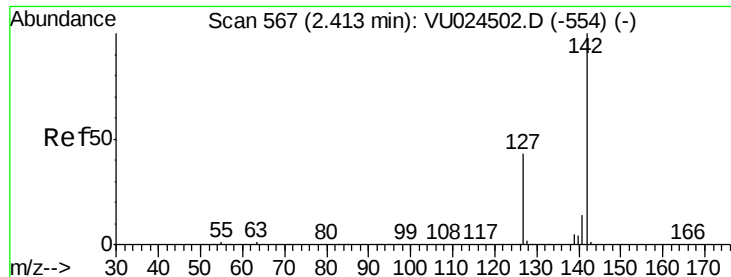
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#10

Methyl Iodide

Concen: 5.306 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU024972.D

Acq: 27 Jun 2018 17:41

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-31-33-180620ME

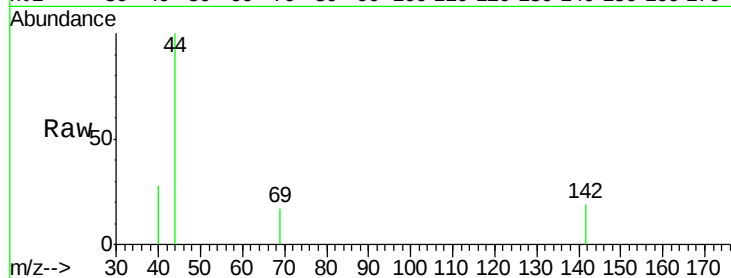
Tgt Ion:142 Resp: 45

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

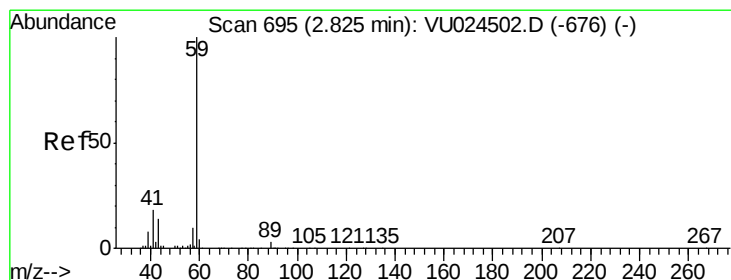
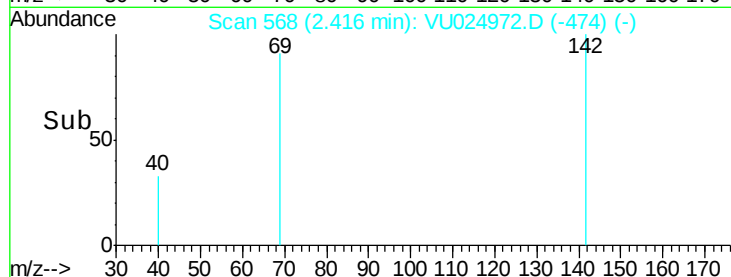
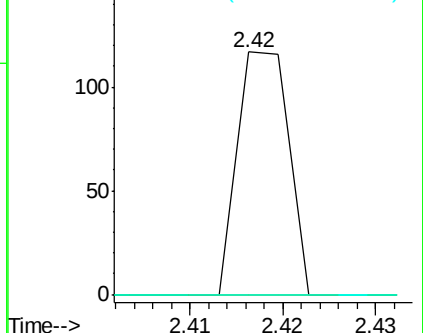
141 0.0 11.7 17.5#



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: 2.414 ug/l

RT: 2.84 min Scan# 700

Delta R.T. 0.02 min

Lab File: VU024972.D

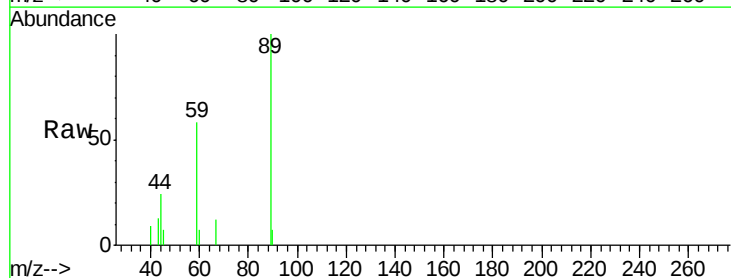
Acq: 27 Jun 2018 17:41

Tgt Ion: 59 Resp: 2133

Ion Ratio Lower Upper

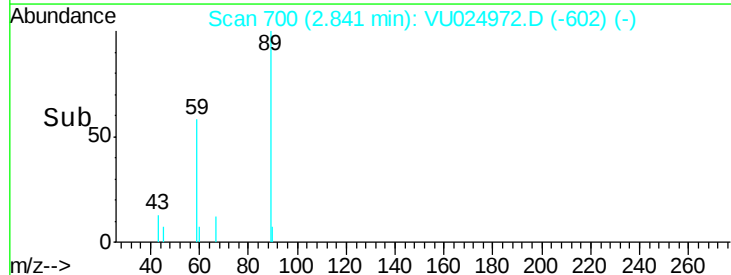
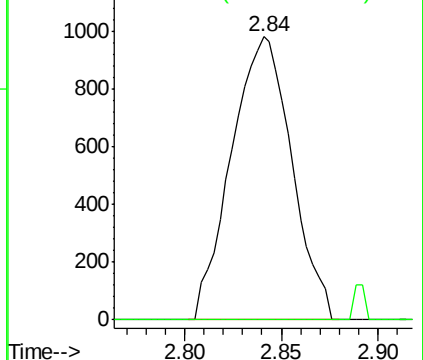
59 100

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: 0.373 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024972.D

Acq: 27 Jun 2018 17:41

Instrument :

MSVOA_U

ClientSampleId :

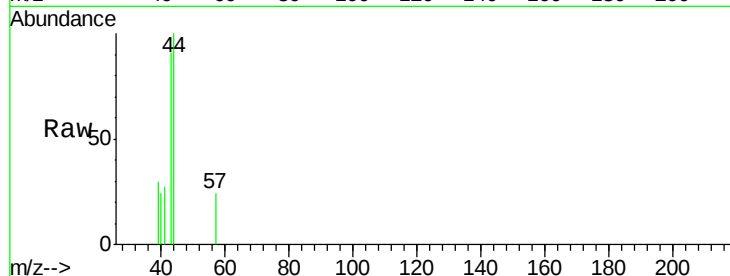
WP021SB475-31-33-180620ME

Tgt Ion: 43 Resp: 728

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

500

400

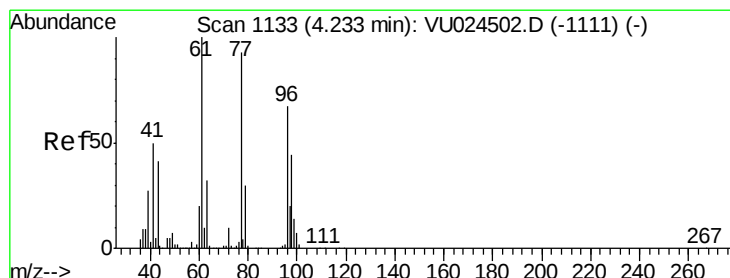
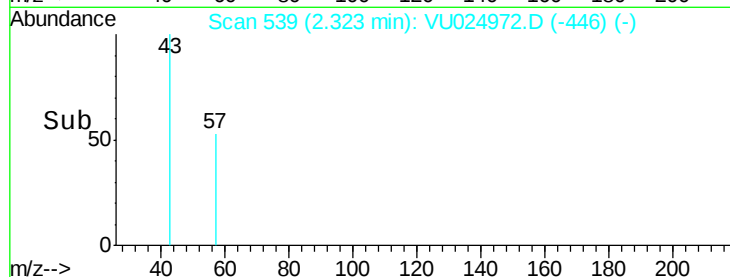
300

200

100

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.486 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024972.D

Acq: 27 Jun 2018 17:41

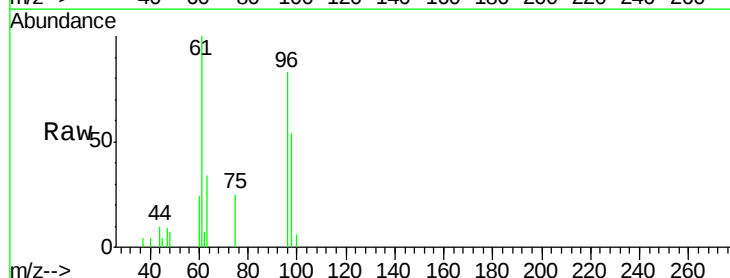
Tgt Ion: 96 Resp: 4768

Ion Ratio Lower Upper

96 100

61 134.5 0.0 306.6

98 65.8 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

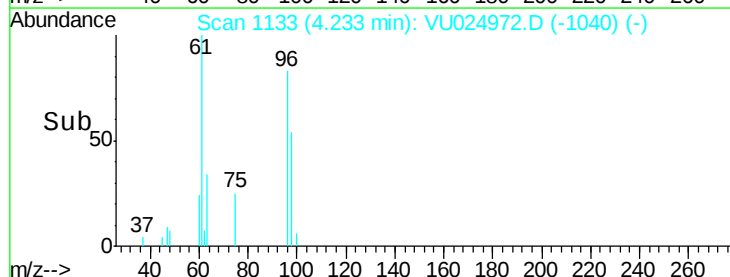
3000

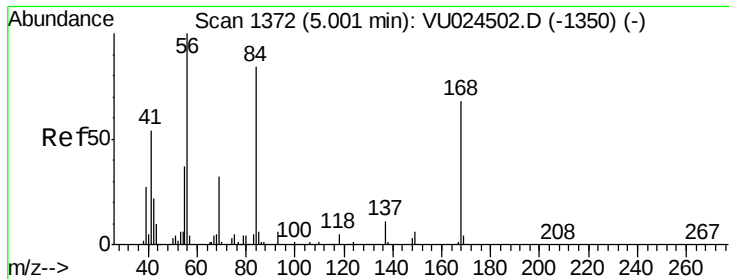
2000

1000

0

Time-->

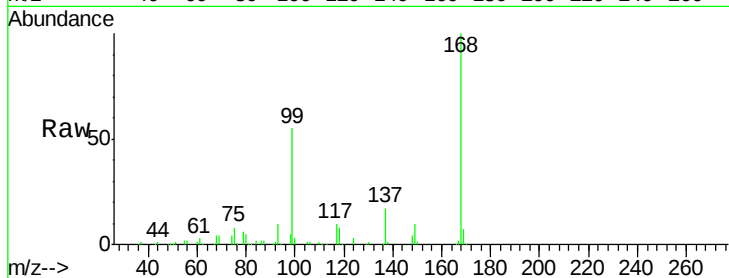




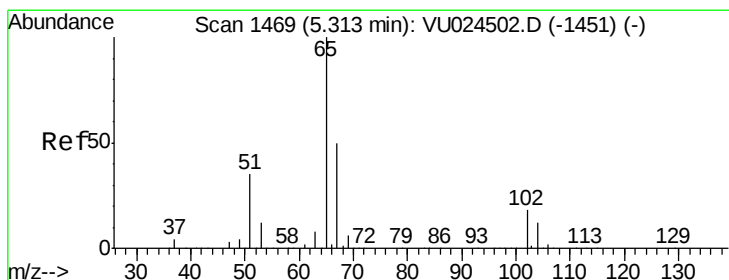
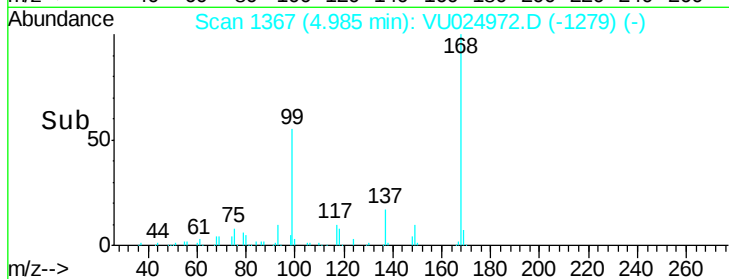
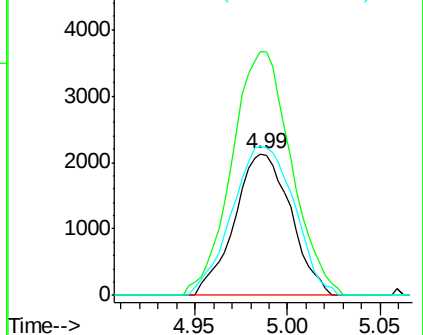
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024972.D
Acq: 27 Jun 2018 17:41

Instrument :
MSVOA_U
ClientSampleId :
WP021SB475-31-33-180620ME

Tgt Ion: 56 Resp: 4487
Ion Ratio Lower Upper
56 100
69 167.6 24.8 37.2#
84 105.8 65.2 97.8#

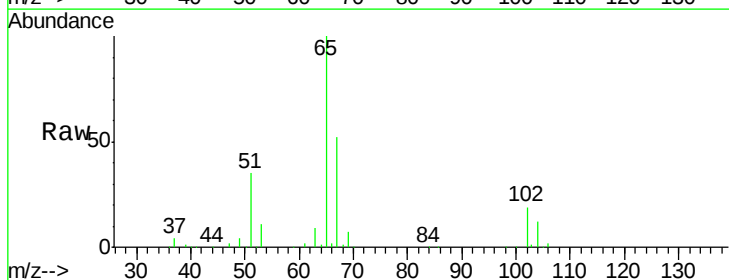


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

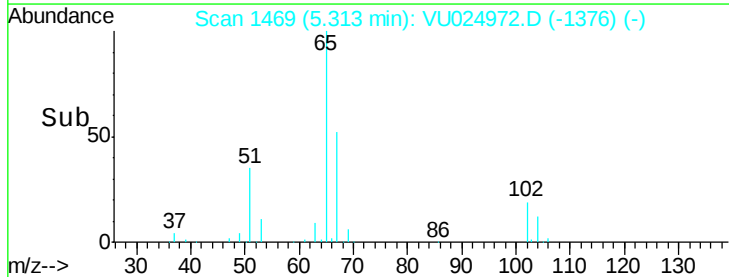
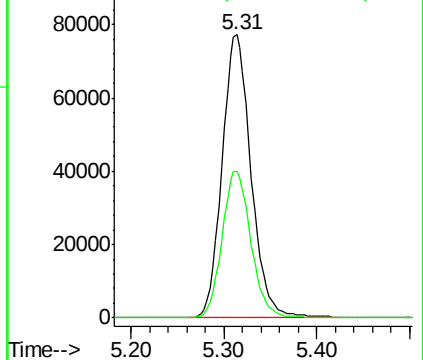


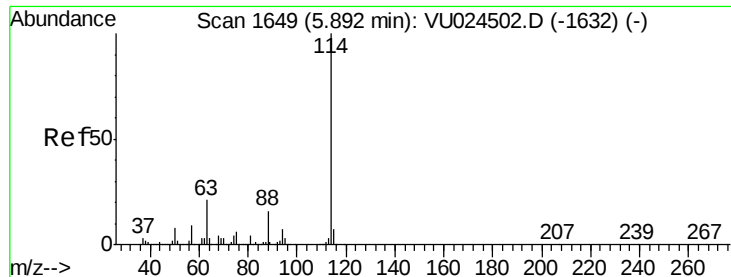
#33
1,2-Dichloroethane-d4
Concen: 45.995 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024972.D
Acq: 27 Jun 2018 17:41

Tgt Ion: 65 Resp: 167091
Ion Ratio Lower Upper
65 100
67 51.3 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# 1648

Delta R.T. -0.00 min

Lab File: VU024972.D

Acq: 27 Jun 2018 17:41

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-31-33-180620ME

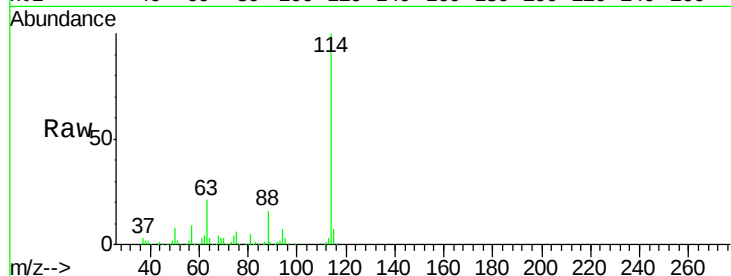
Tgt Ion:114 Resp: 332266

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.4

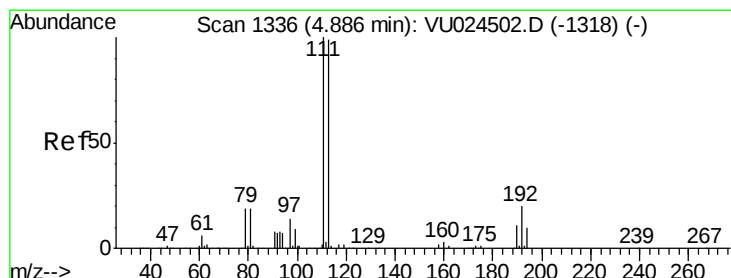
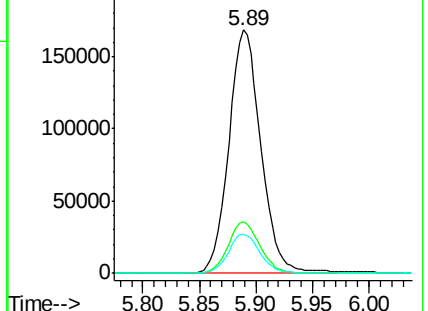
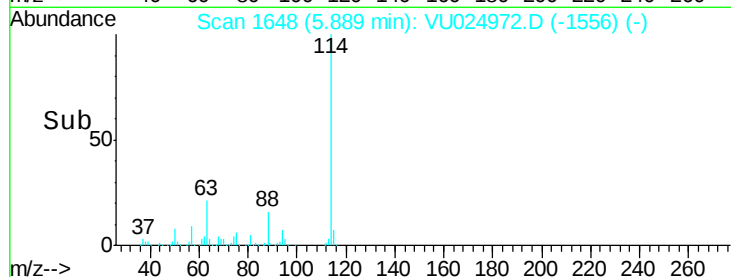
88 16.1 0.0 31.0



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: 47.256 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024972.D

Acq: 27 Jun 2018 17:41

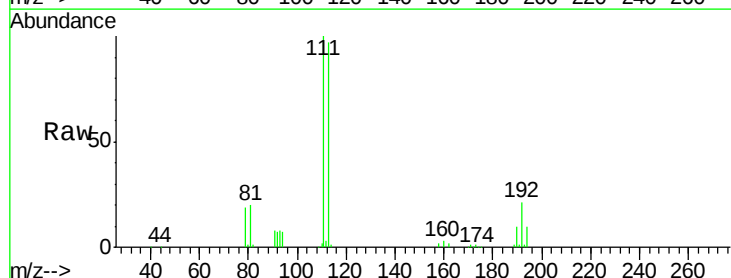
Tgt Ion:113 Resp: 130311

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

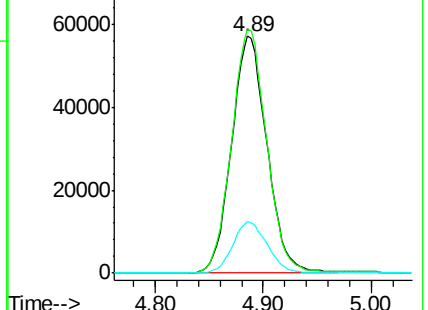
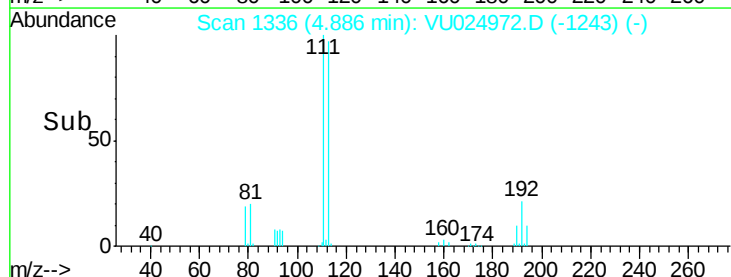
192 21.3 16.2 24.4

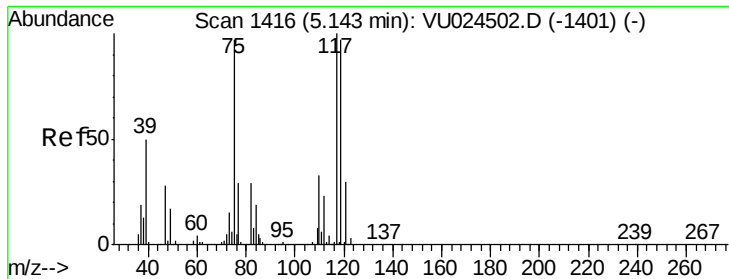


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.332 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024972.D

Acq: 27 Jun 2018 17:41

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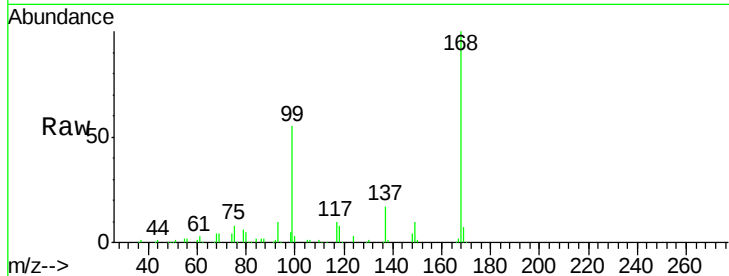
Tgt Ion: 75 Resp: 16912

Ion Ratio Lower Upper

75 100

110 8.2 17.0 50.9#

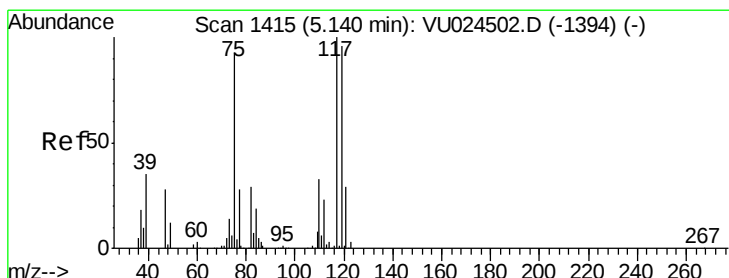
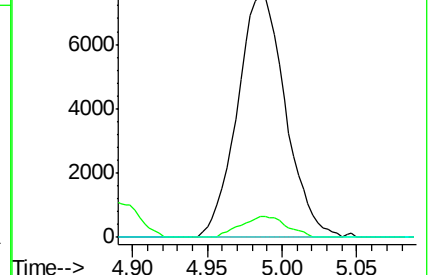
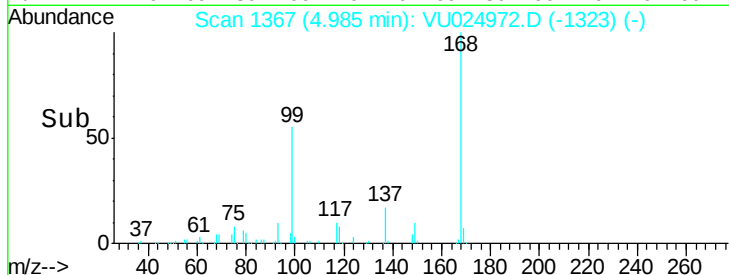
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU024972.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU024972.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU024972.D (-1323) (-)



#38

Carbon Tetrachloride

Concen: 4.972 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024972.D

Acq: 27 Jun 2018 17:41

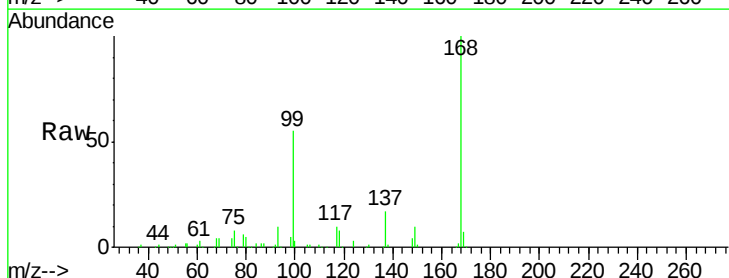
Tgt Ion: 117 Resp: 21346

Ion Ratio Lower Upper

117 100

119 4.4 76.1 114.1#

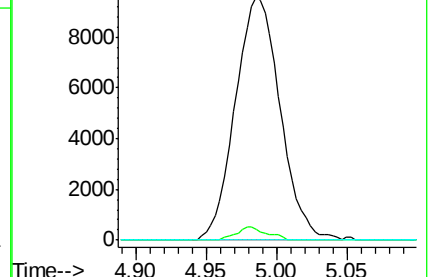
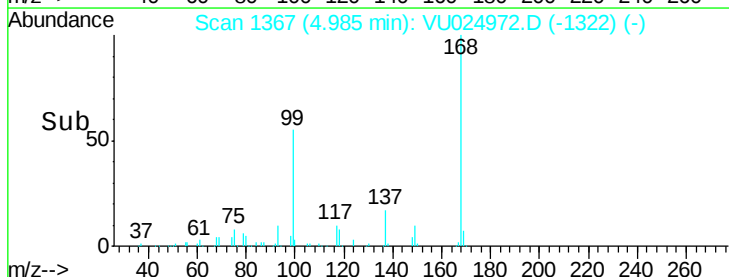
121 0.0 23.7 35.5#

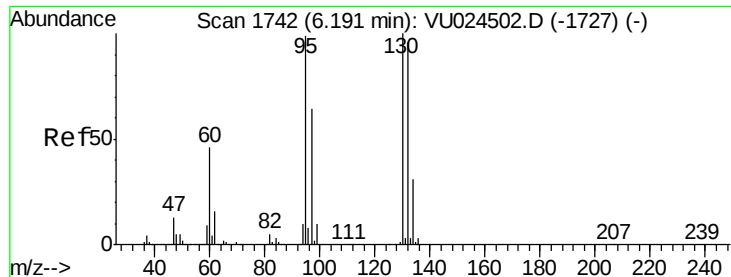


Abundance Ion 116.80 (116.50 to 117.50): VU024972.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU024972.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU024972.D (-1322) (-)





#44

Trichloroethene

Concen: 0.447 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU024972.D

Acq: 27 Jun 2018 17:41

Instrument :

MSVOA_U

ClientSampleId :

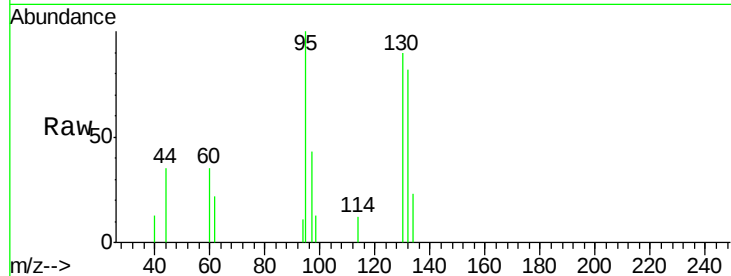
WP021SB475-31-33-180620ME

Tgt Ion:130 Resp: 1415

Ion Ratio Lower Upper

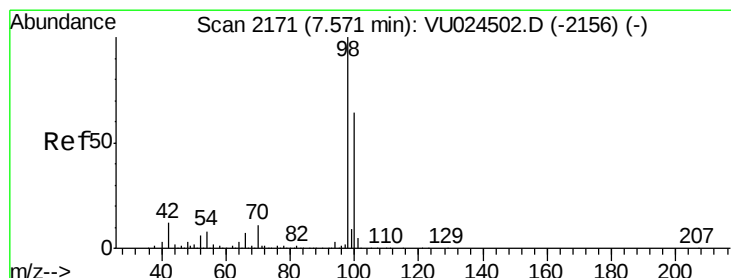
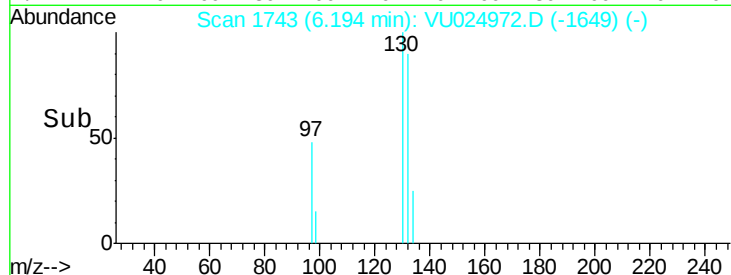
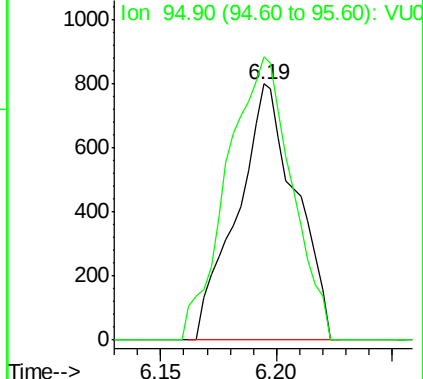
130 100

95 110.5 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 48.131 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024972.D

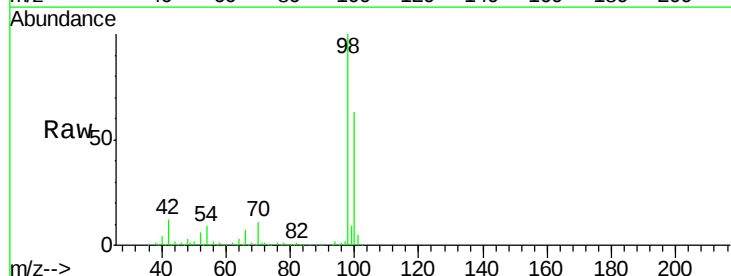
Acq: 27 Jun 2018 17:41

Tgt Ion: 98 Resp: 484126

Ion Ratio Lower Upper

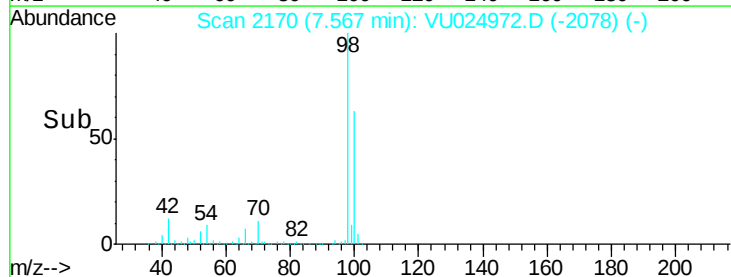
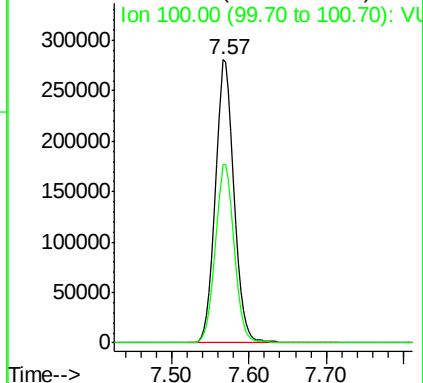
98 100

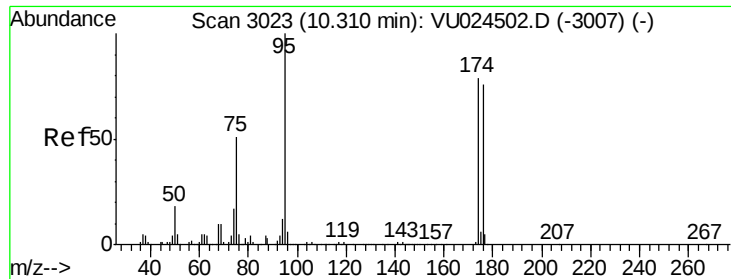
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 45.157 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024972.D

Acq: 27 Jun 2018 17:41

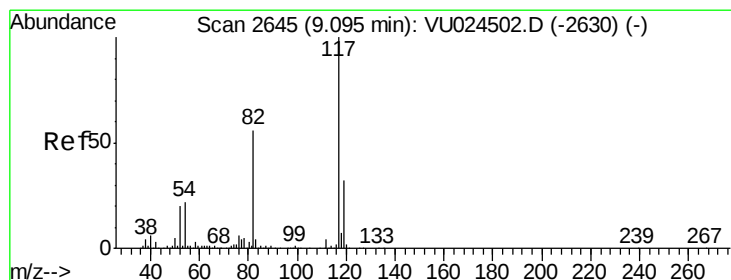
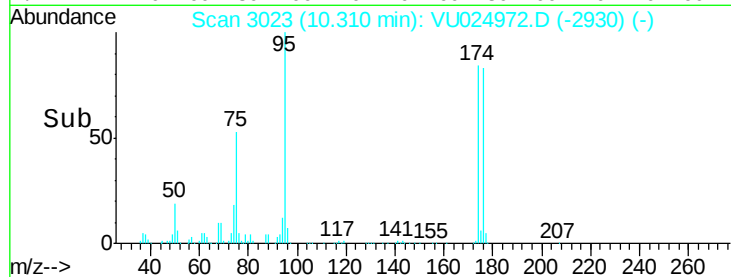
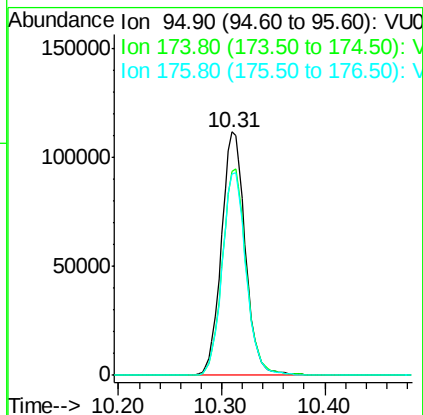
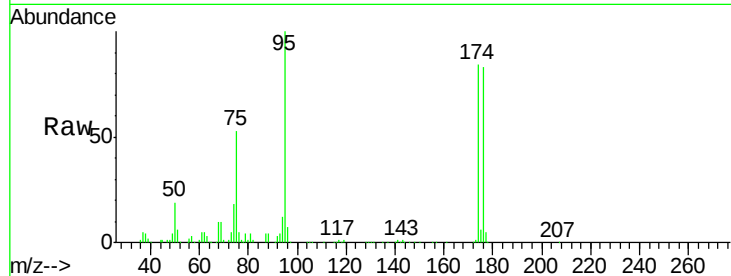
Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-31-33-180620ME

Tgt Ion:	95	Resp:	180339
Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	165.8
176	83.0	0.0	159.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

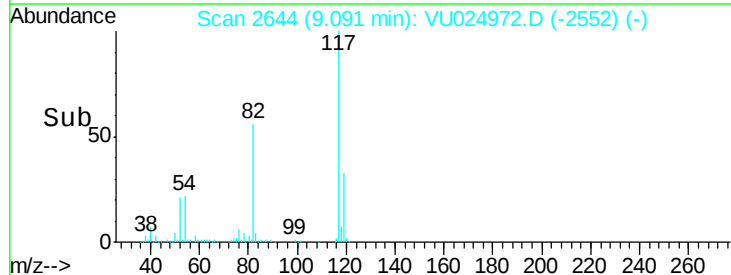
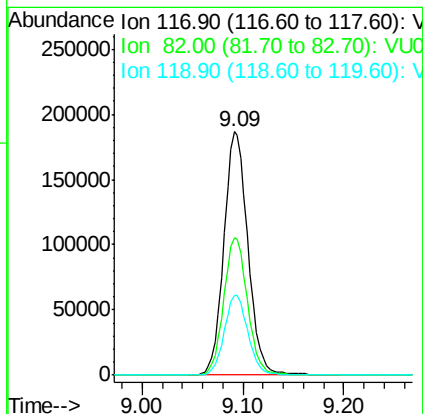
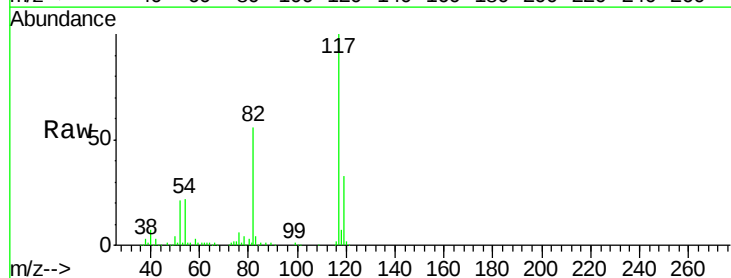
RT: 9.09 min Scan# 2644

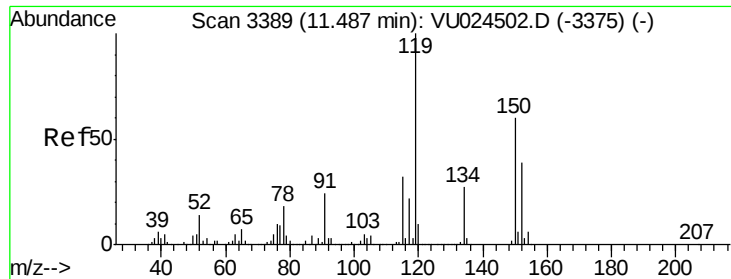
Delta R.T. -0.00 min

Lab File: VU024972.D

Acq: 27 Jun 2018 17:41

Tgt Ion:	117	Resp:	311235
Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.3	66.5
119	33.0	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: VU024972.D

Acq: 27 Jun 2018 17:41

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-31-33-180620ME

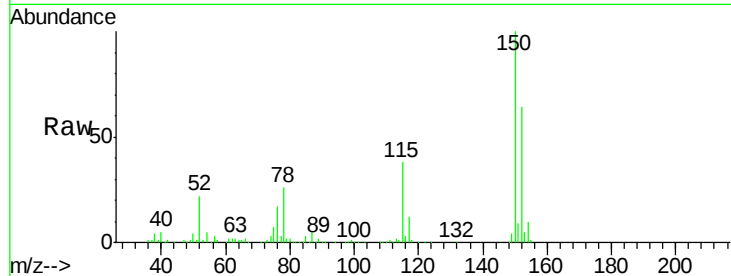
Tgt Ion:152 Resp: 167286

Ion Ratio Lower Upper

152 100

115 58.6 43.0 129.0

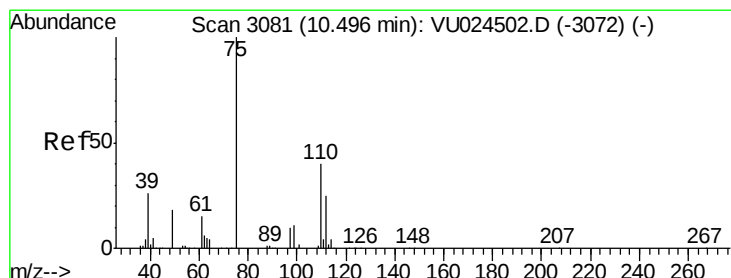
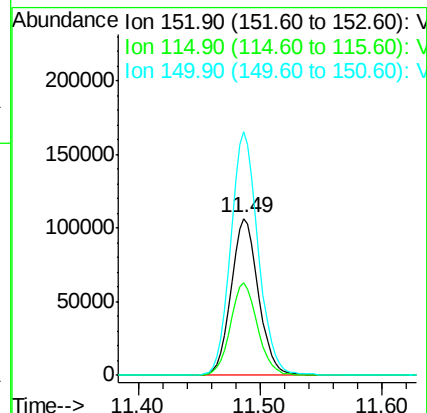
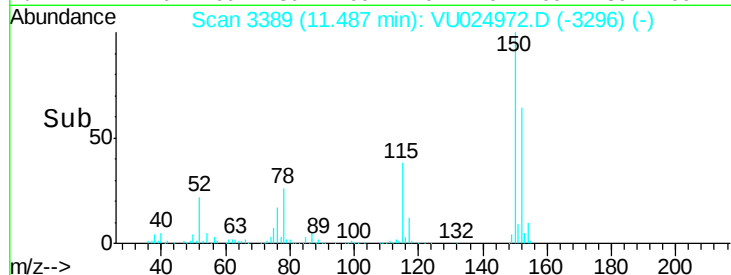
150 155.8 0.0 354.0



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: 25.962 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024972.D

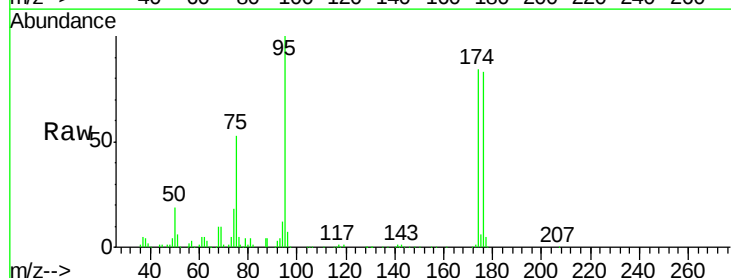
Acq: 27 Jun 2018 17:41

Tgt Ion: 75 Resp: 95619

Ion Ratio Lower Upper

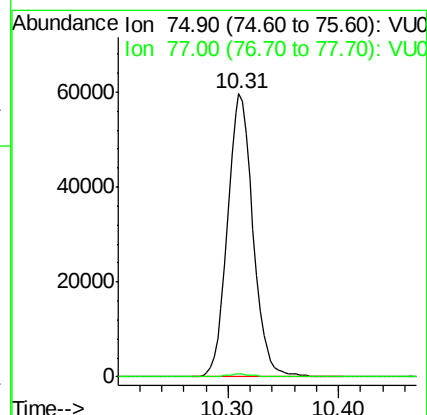
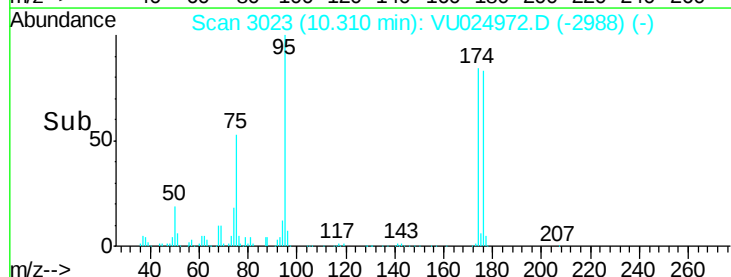
75 100

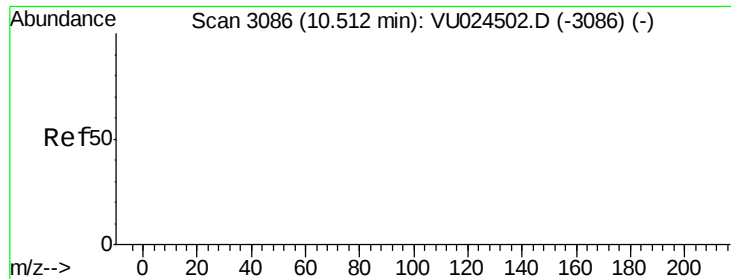
77 1.0 20.9 62.7#



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: 60.087 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024972.D

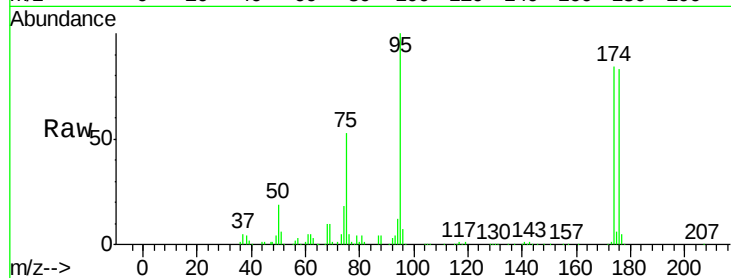
Acq: 27 Jun 2018 17:41

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-31-33-180620ME



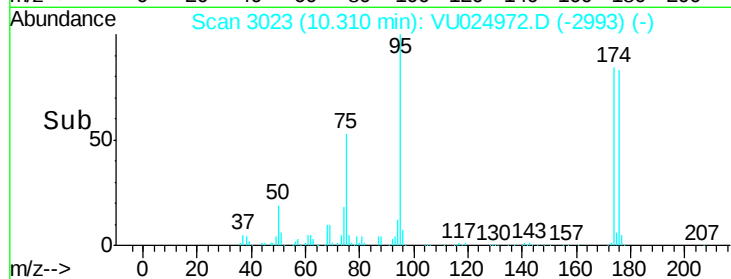
Tgt Ion: 75 Resp: 95619

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

