

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024976.D
 Acq On : 27 Jun 2018 19:18
 Operator : MD/SY
 Sample : J3670-01ME
 Misc : 6.53g/5.0mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB487-13-15-180621ME

Quant Time: Jun 28 02:28:28 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	236357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	358853	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	342852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	194545	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	178980	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	
35) Dibromofluoromethane	4.89	113	139224	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
50) Toluene-d8	7.57	98	521834	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	10.32	95	206415	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	

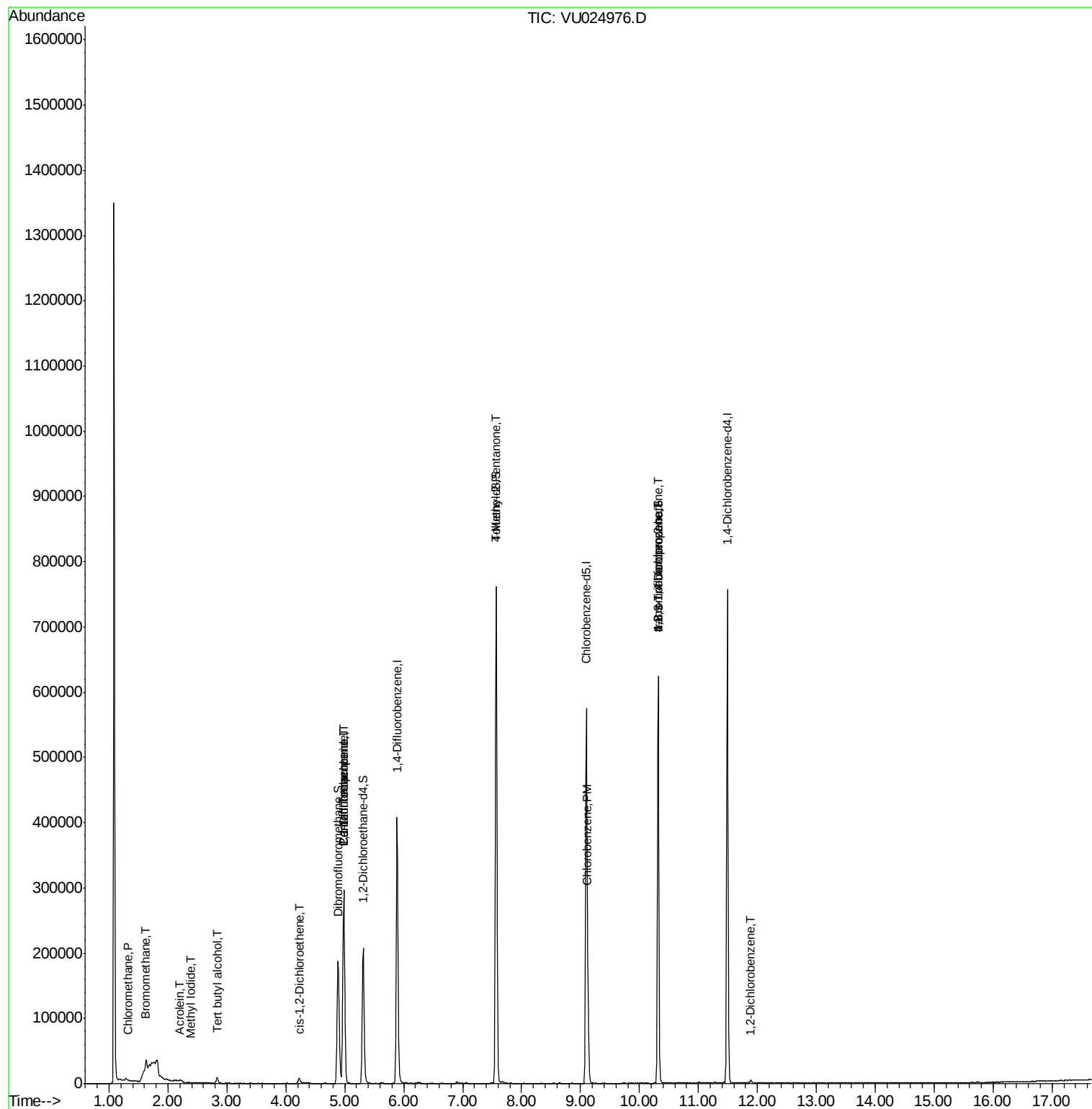
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1167	0.386	ug/l	98
5) Bromomethane	1.61	94	876	0.581	ug/l #	76
6) Chloroethane	1.69	64	204	Below Cal	#	1
8) Diethyl Ether	1.83	74	100	Below Cal	#	1
10) Methyl Iodide	2.39	142	295	5.394	ug/l #	40
11) Tert butyl alcohol	2.83	59	5248	5.592	ug/l #	72
13) Acrolein	2.19	56	282	0.572	ug/l #	13
27) cis-1,2-Dichloroethene	4.22	96	5038	1.478	ug/l	88
31) Cyclohexane	4.98	56	4573	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	18066	4.284	ug/l #	46
38) Carbon Tetrachloride	4.99	117	23869	5.147	ug/l #	16
51) 4-Methyl-2-Pentanone	7.57	43	2627	0.526	ug/l #	1
65) Chlorobenzene	9.13	112	65528	7.482	ug/l	100
76) 1,2,3-Trichloropropane	10.32	75	107211	25.031	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.32	75	107211	57.932	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	2042	0.292	ug/l	88

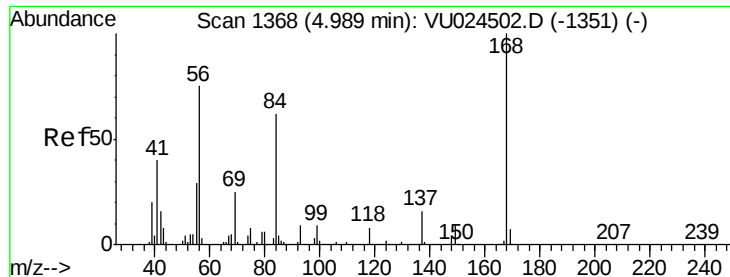
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024976.D

Acq: 27 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

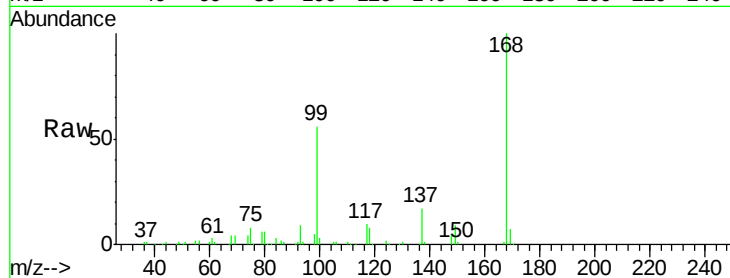
WP021SB487-13-15-180621ME

Tgt Ion:168 Resp: 236357

Ion Ratio Lower Upper

168 100

99 56.4 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

120000

100000

80000

60000

40000

20000

0

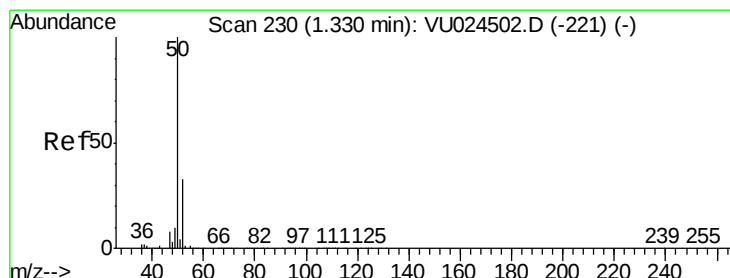
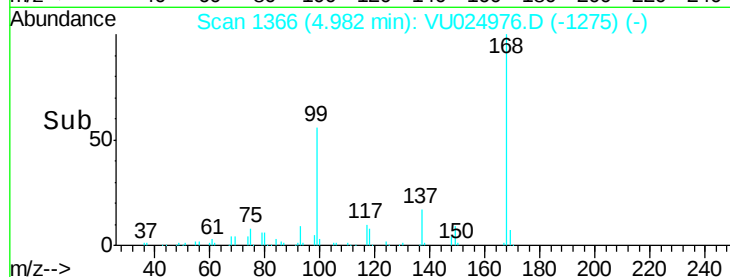
4.98

4.90

5.00

5.10

Time-->



#3

Chloromethane

Concen: 0.386 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU024976.D

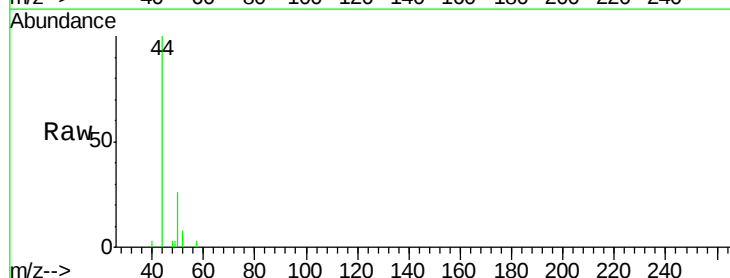
Acq: 27 Jun 2018 19:18

Tgt Ion: 50 Resp: 1167

Ion Ratio Lower Upper

50 100

52 31.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1200

1000

800

600

400

200

0

1.32

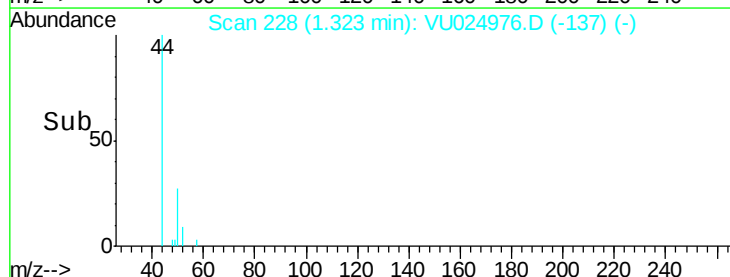
1.30

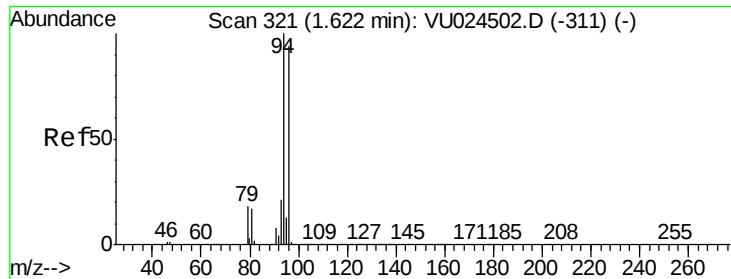
1.32

1.34

1.36

Time-->





#5

Bromomethane

Concen: 0.581 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU024976.D

Acq: 27 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

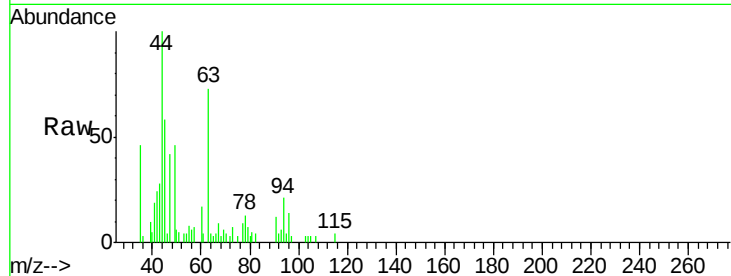
WP021SB487-13-15-180621ME

Tgt Ion: 94 Resp: 876

Ion Ratio Lower Upper

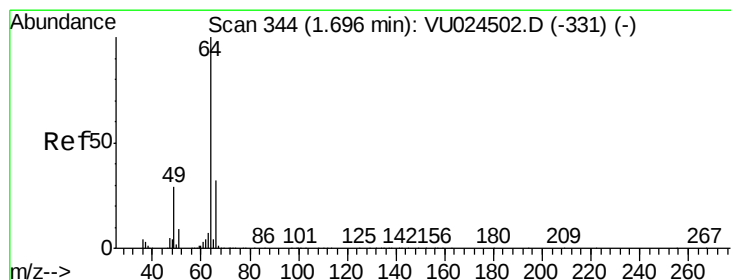
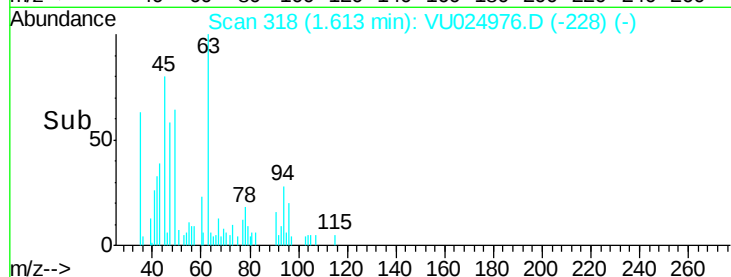
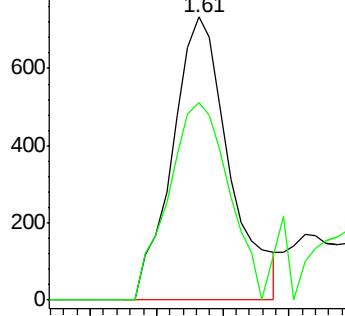
94 100

96 70.0 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: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU024976.D

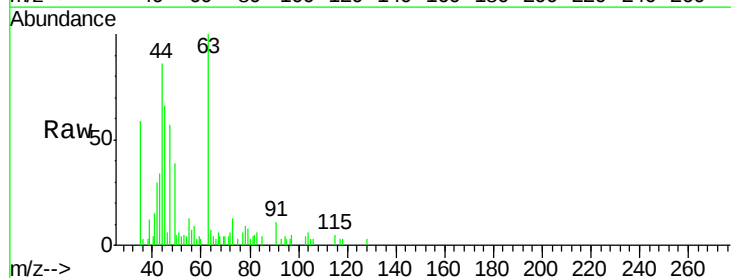
Acq: 27 Jun 2018 19:18

Tgt Ion: 64 Resp: 204

Ion Ratio Lower Upper

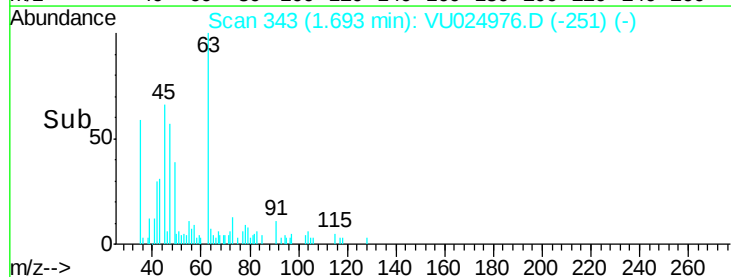
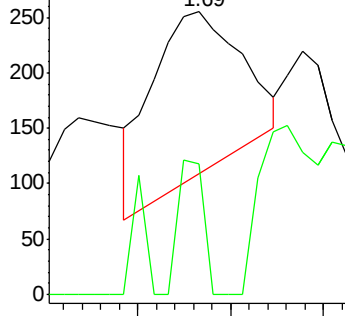
64 100

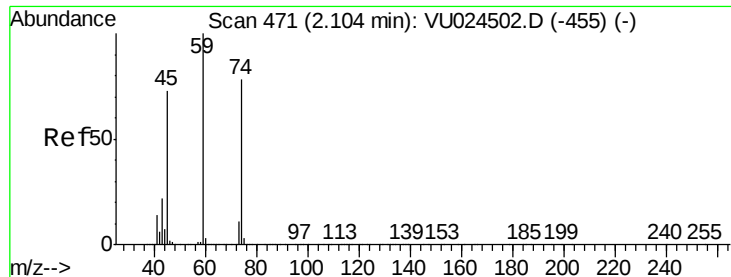
66 112.4 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#8

Diethyl Ether

Concen: Below Cal

RT: 1.83 min Scan# 385

Delta R.T. -0.28 min

Lab File: VU024976.D

Acq: 27 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

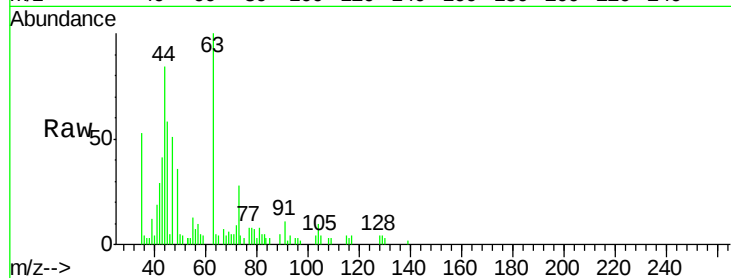
WP021SB487-13-15-180621ME

Tgt Ion: 74 Resp: 100

Ion Ratio Lower Upper

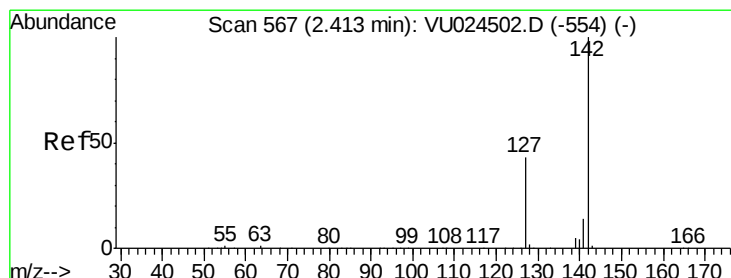
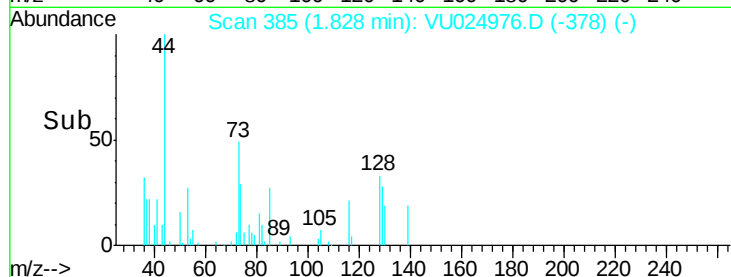
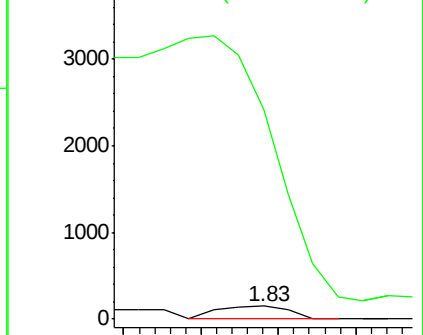
74 100

45 0.0 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



#10

Methyl Iodide

Concen: 5.394 ug/l

RT: 2.39 min Scan# 561

Delta R.T. -0.02 min

Lab File: VU024976.D

Acq: 27 Jun 2018 19:18

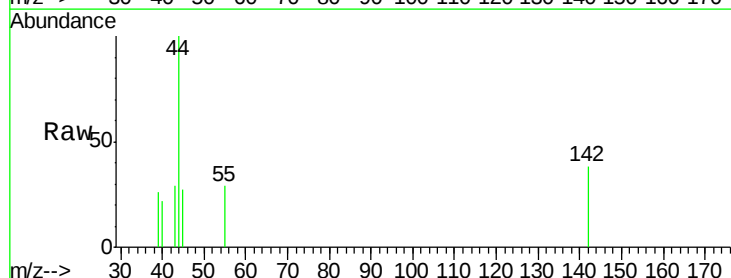
Tgt Ion: 142 Resp: 295

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

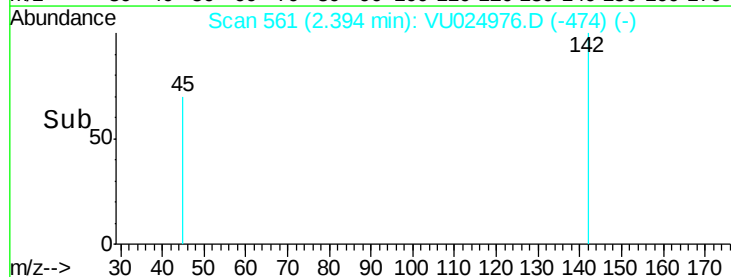
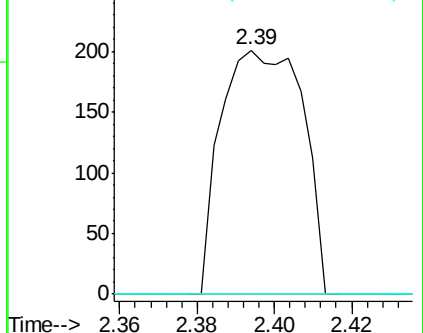
141 0.0 11.7 17.5#

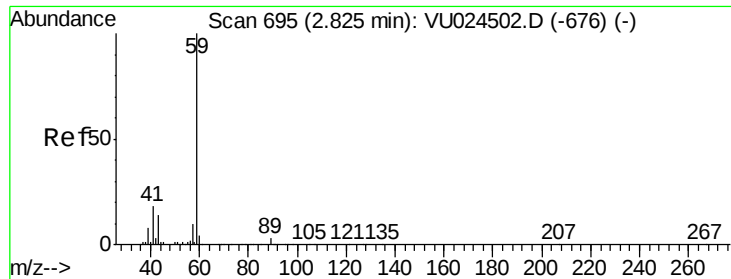


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

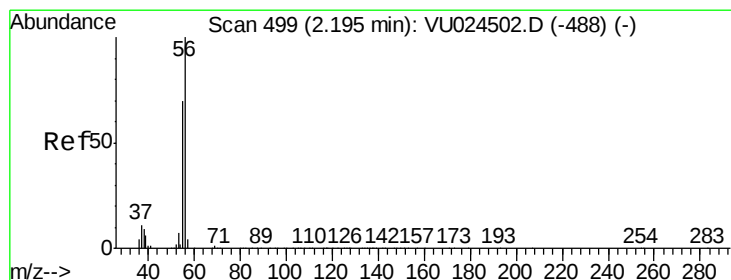
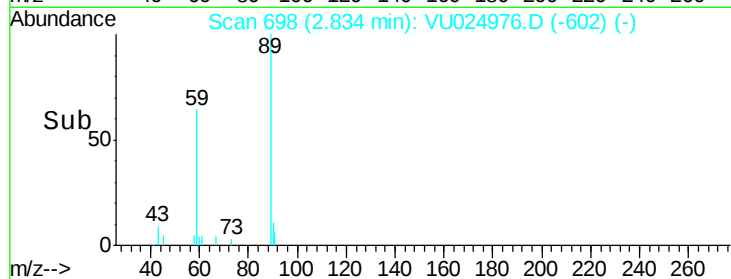
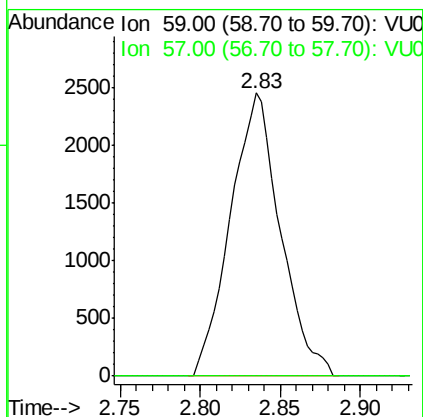
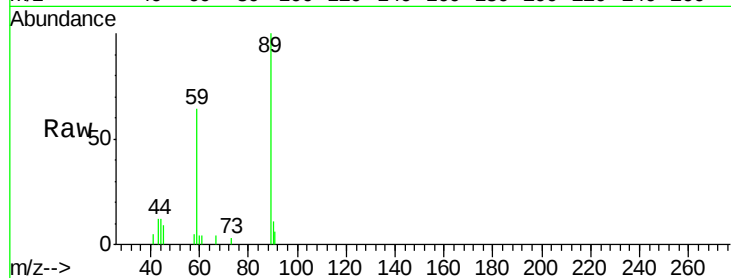




#11
Tert butyl alcohol
Concen: 5.592 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU024976.D
Acq: 27 Jun 2018 19:18

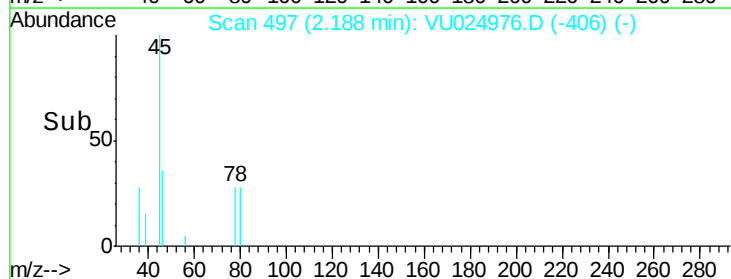
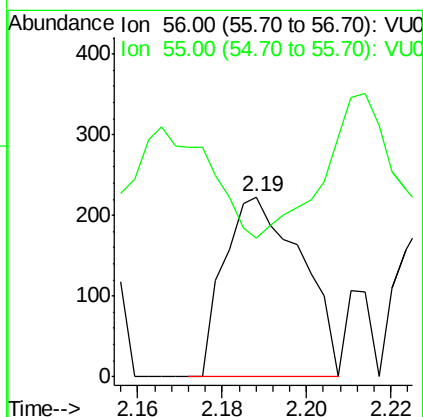
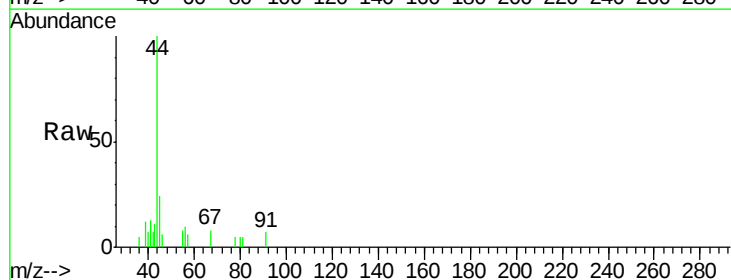
Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-13-15-180621ME

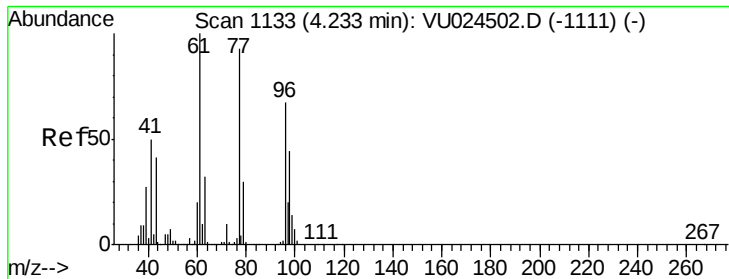
Tgt Ion: 59 Resp: 5248
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.572 ug/l
RT: 2.19 min Scan# 497
Delta R.T. -0.01 min
Lab File: VU024976.D
Acq: 27 Jun 2018 19:18

Tgt Ion: 56 Resp: 282
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#





#27

cis-1,2-Dichloroethene

Concen: 1.478 ug/l

RT: 4.22 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VU024976.D

Acq: 27 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

WP021SB487-13-15-180621ME

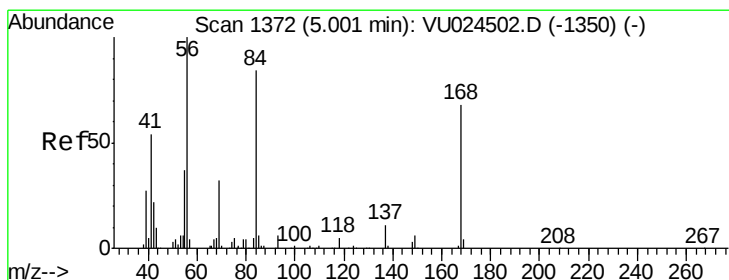
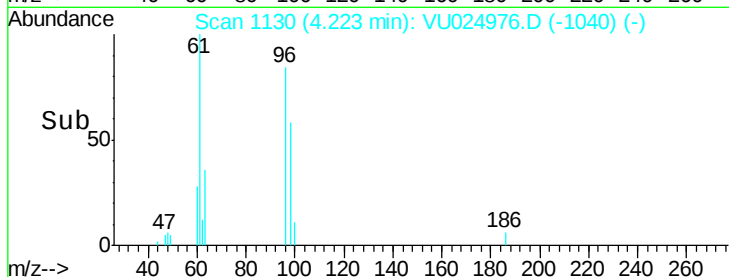
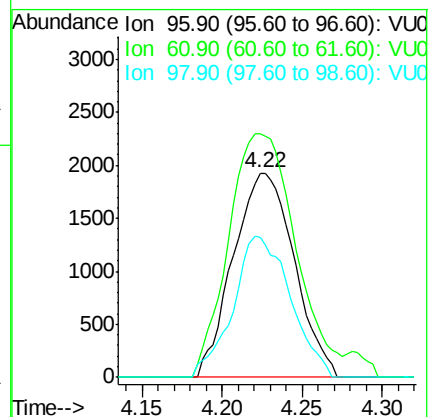
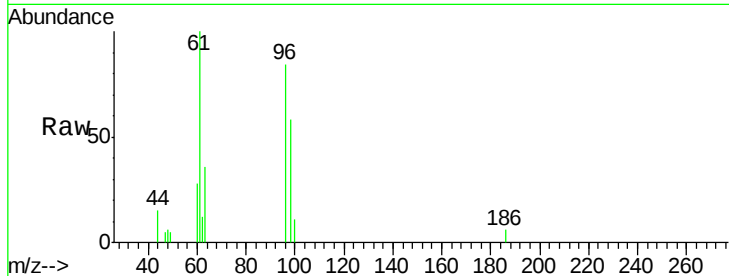
Tgt Ion: 96 Resp: 5038

Ion Ratio Lower Upper

96 100

61 131.1 0.0 306.6

98 65.0 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU024976.D

Acq: 27 Jun 2018 19:18

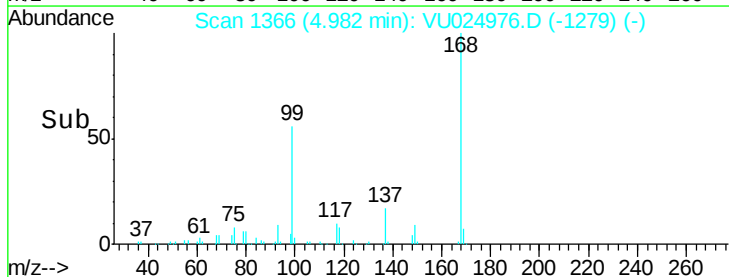
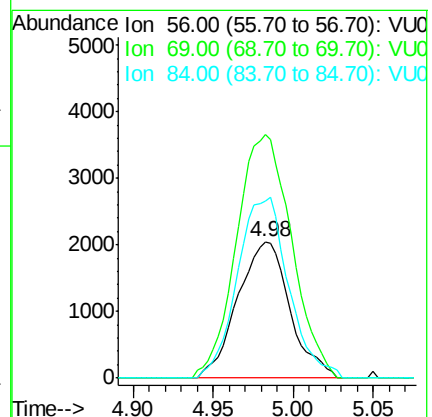
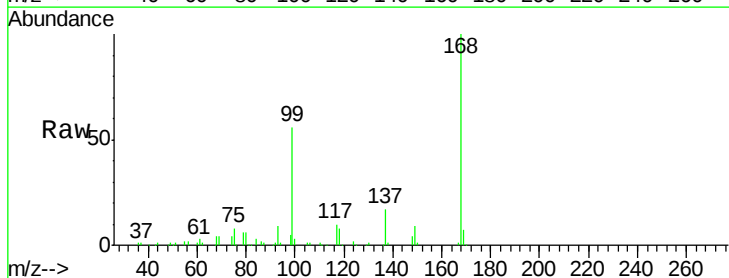
Tgt Ion: 56 Resp: 4573

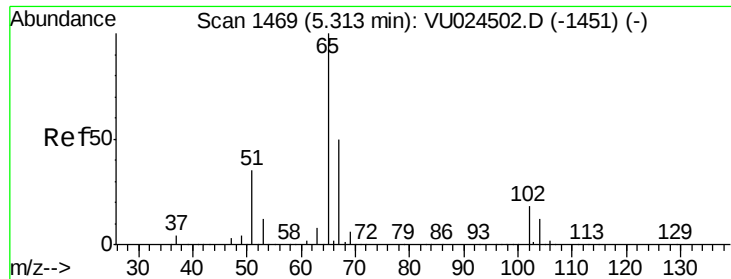
Ion Ratio Lower Upper

56 100

69 178.4 24.8 37.2#

84 130.1 65.2 97.8#

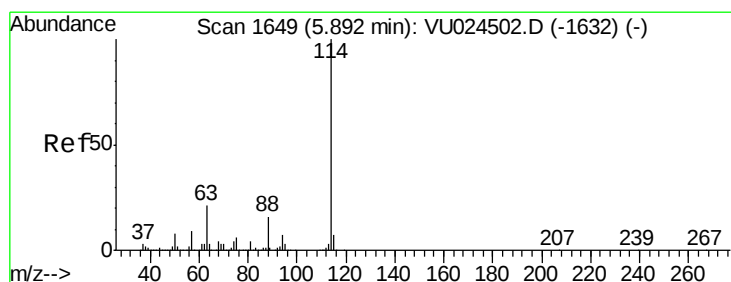
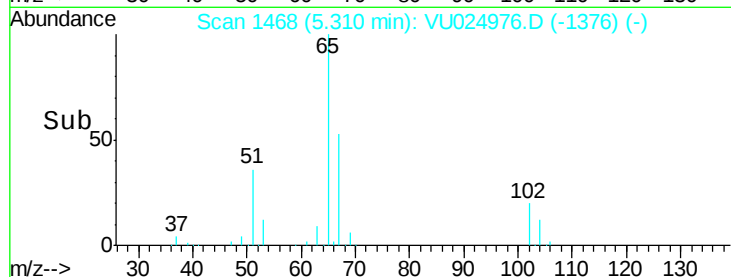
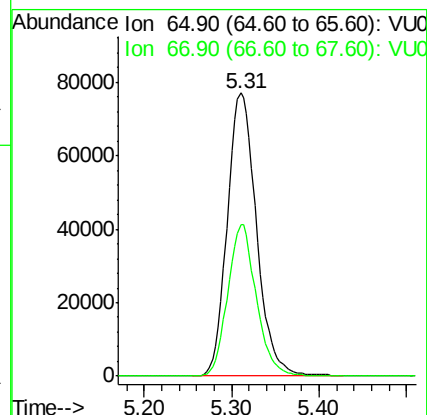
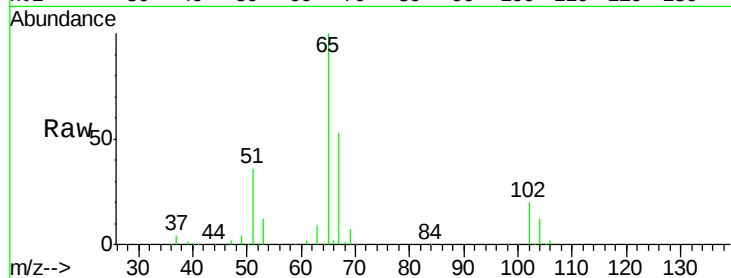




#33
 1,2-Dichloroethane-d4
 Concen: 46.385 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024976.D
 Acq: 27 Jun 2018 19:18

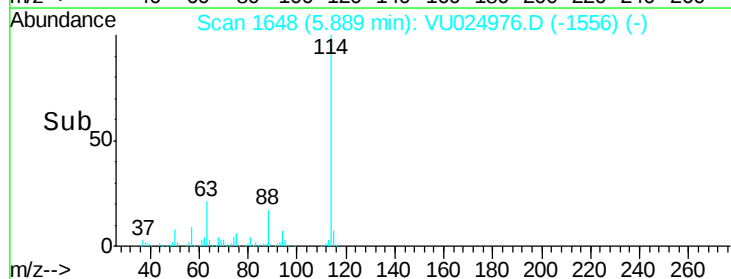
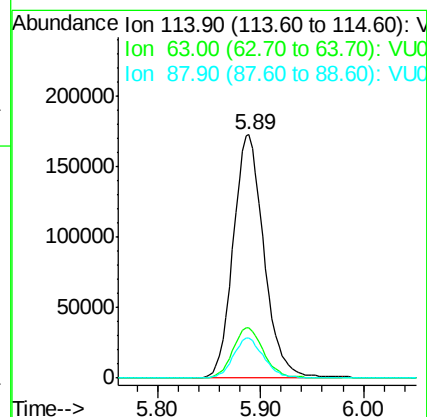
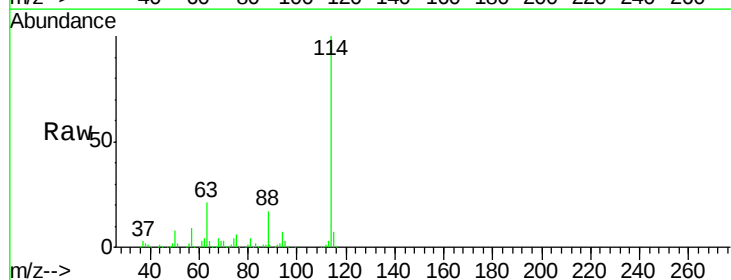
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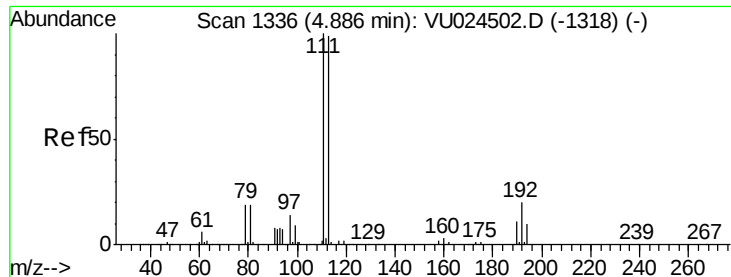
Tgt Ion: 65 Resp: 178980
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024976.D
 Acq: 27 Jun 2018 19:18

Tgt Ion: 114 Resp: 358853
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 16.5 0.0 31.0

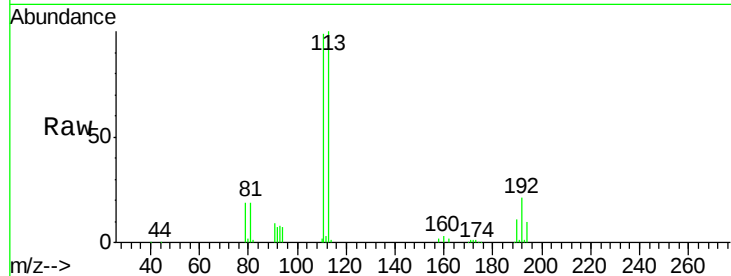




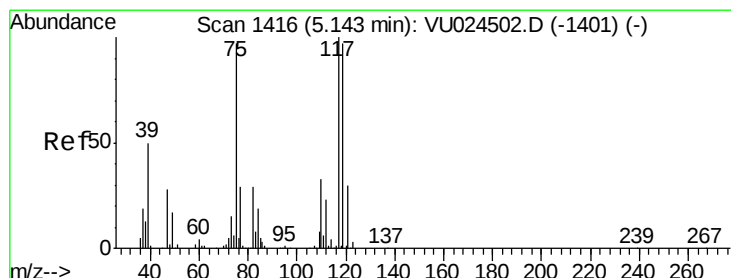
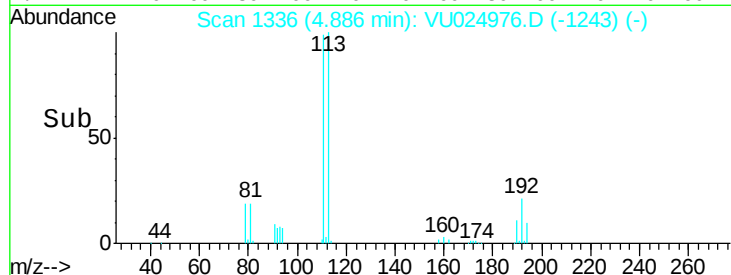
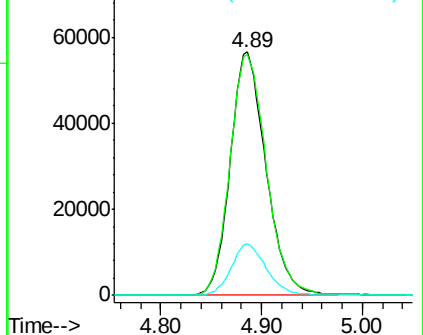
#35
 Dibromofluoromethane
 Concen: 46.748 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024976.D
 Acq: 27 Jun 2018 19:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB487-13-15-180621ME

Tgt Ion:113 Resp: 139224
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.2 123.4
 192 20.8 16.2 24.4

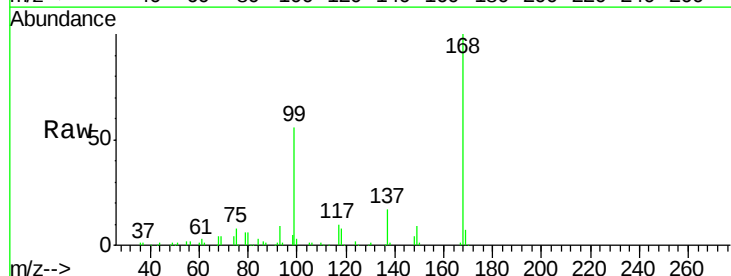


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

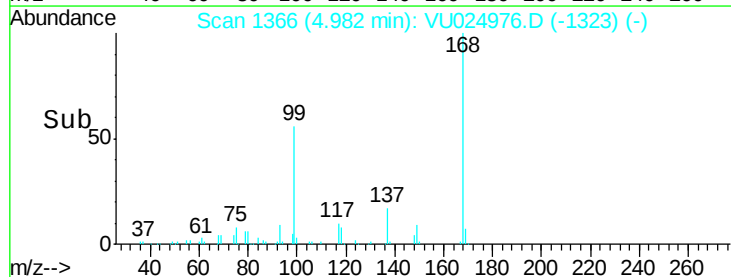
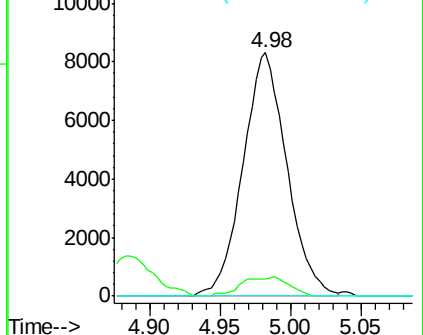


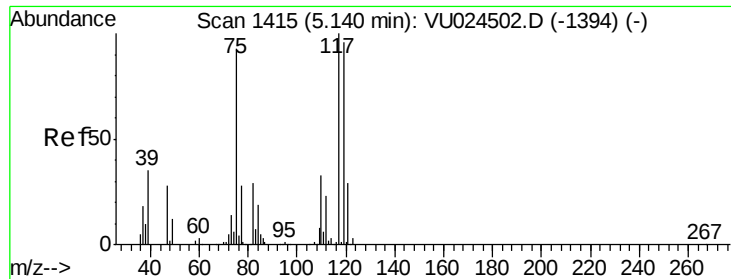
#36
 1,1-Dichloropropene
 Concen: 4.284 ug/l
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.16 min
 Lab File: VU024976.D
 Acq: 27 Jun 2018 19:18

Tgt Ion: 75 Resp: 18066
 Ion Ratio Lower Upper
 75 100
 110 4.1 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: 5.147 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024976.D

Acq: 27 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

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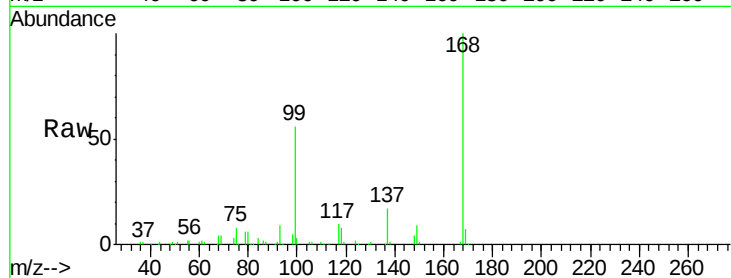
Tgt Ion:117 Resp: 23869

Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

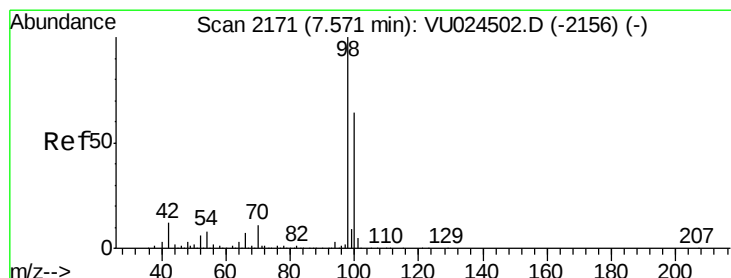
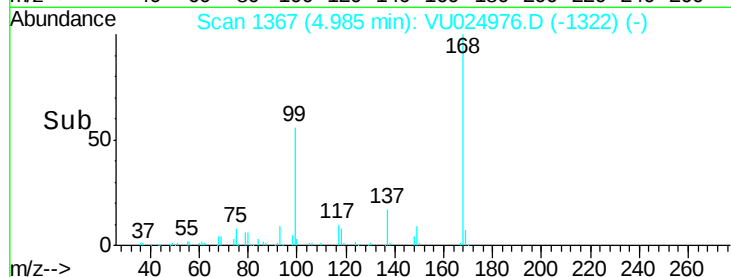
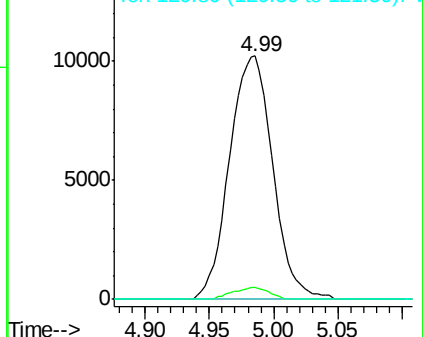
121 0.0 23.7 35.5#



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: 48.037 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024976.D

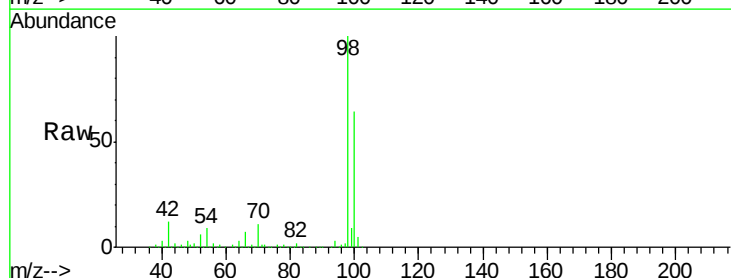
Acq: 27 Jun 2018 19:18

Tgt Ion: 98 Resp: 521834

Ion Ratio Lower Upper

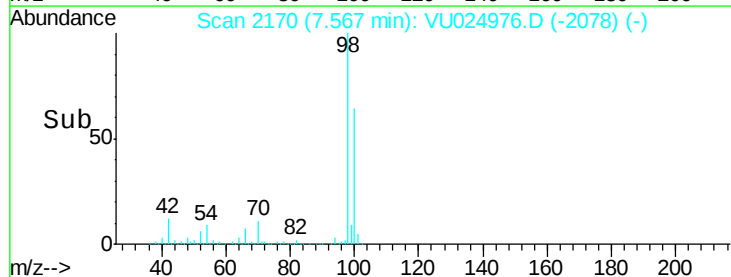
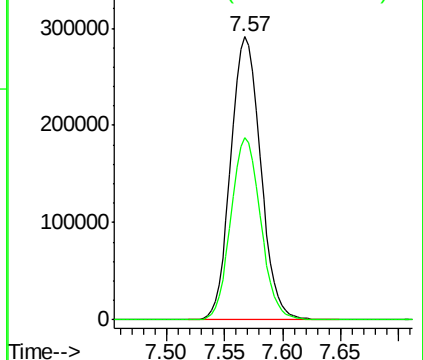
98 100

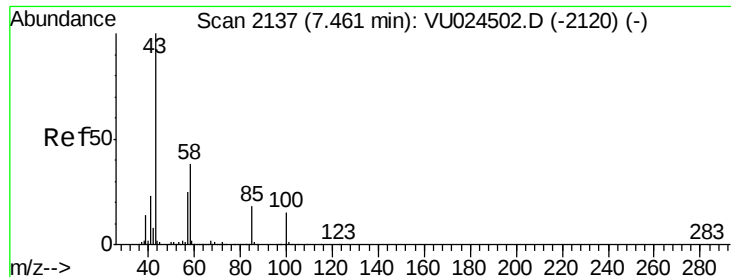
100 64.1 51.1 76.7



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: 0.526 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.11 min

Lab File: VU024976.D

Acq: 27 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

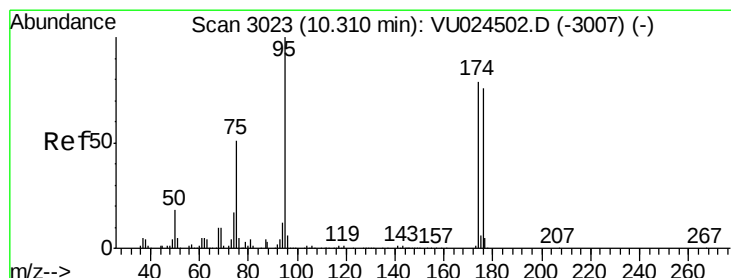
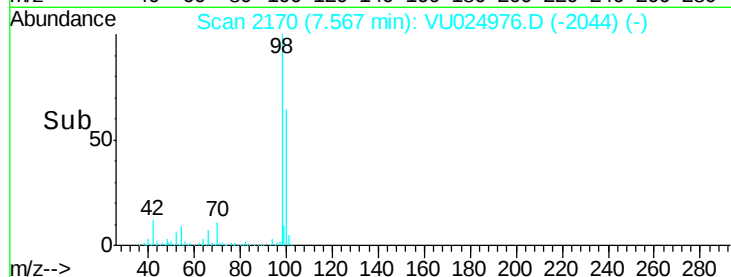
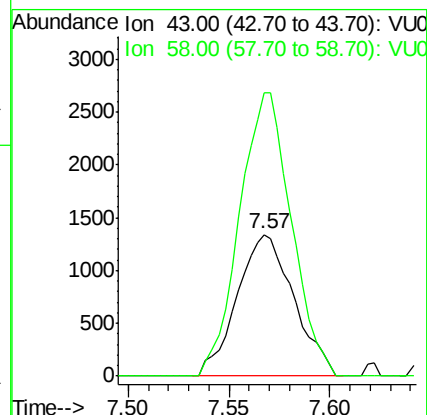
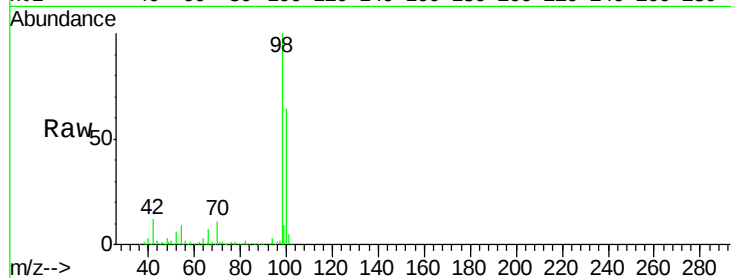
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Tgt Ion: 43 Resp: 2627

Ion Ratio Lower Upper

43 100

58 183.5 30.0 45.0#



#62

4-Bromofluorobenzene

Concen: 47.857 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU024976.D

Acq: 27 Jun 2018 19:18

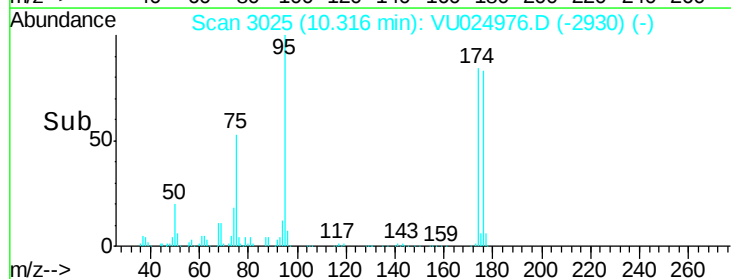
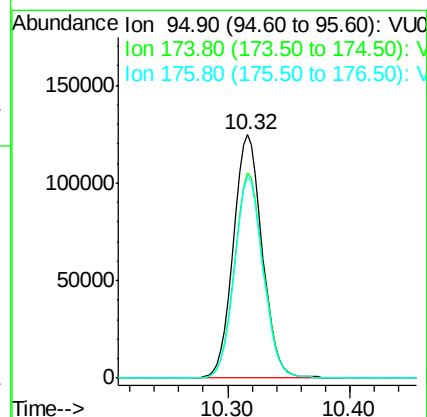
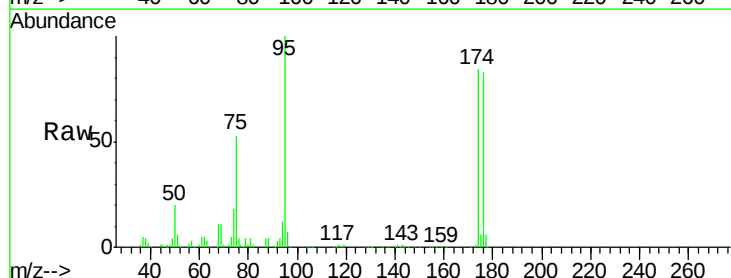
Tgt Ion: 95 Resp: 206415

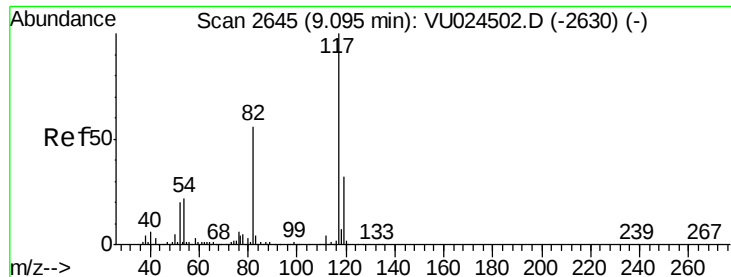
Ion Ratio Lower Upper

95 100

174 84.4 0.0 165.8

176 81.7 0.0 159.4

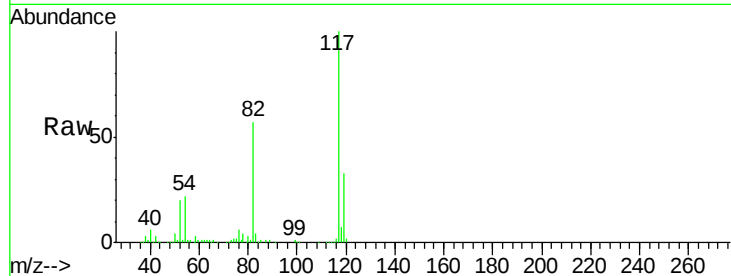




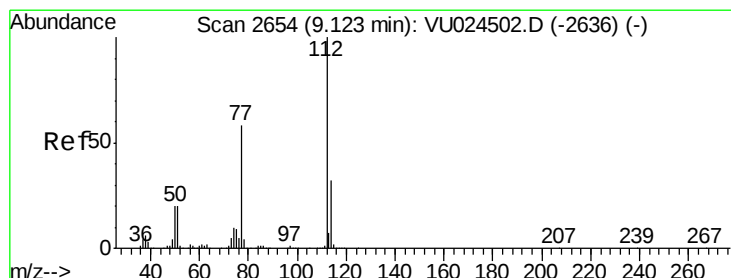
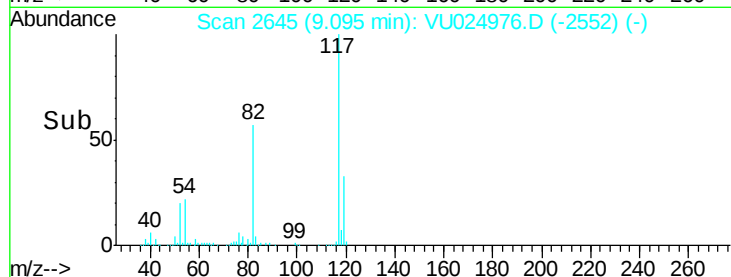
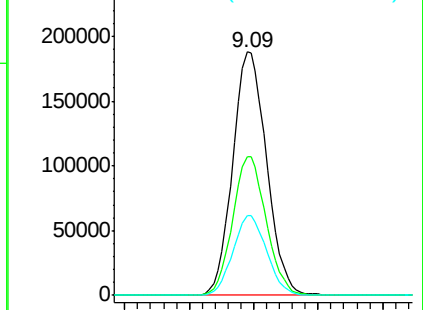
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024976.D
Acq: 27 Jun 2018 19:18

Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-13-15-180621ME

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.3	66.5
119	32.6	25.4	38.2

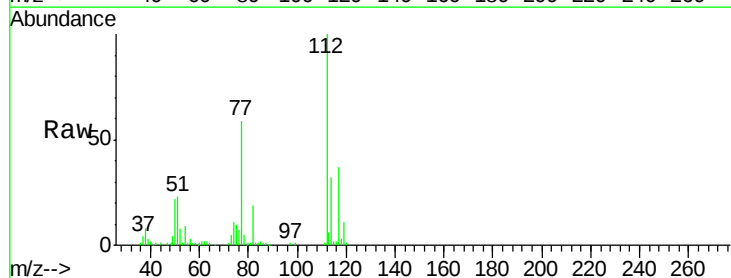


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

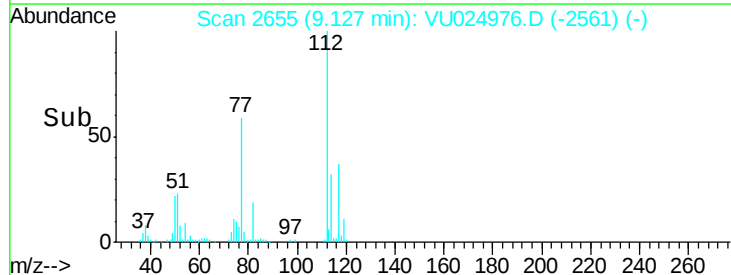
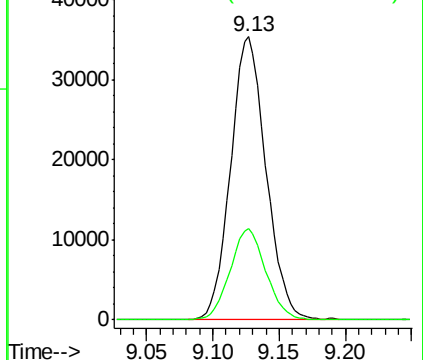


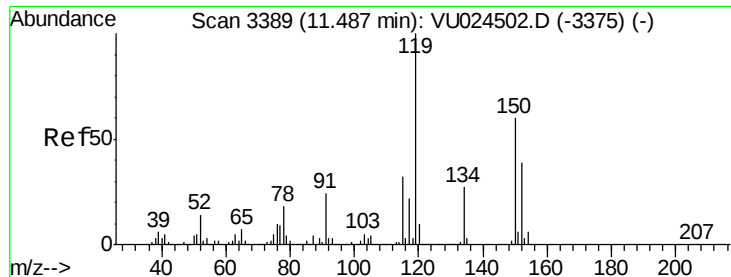
#65
Chlorobenzene
Concen: 7.482 ug/l
RT: 9.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VU024976.D
Acq: 27 Jun 2018 19:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU024976.D

Acq: 27 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

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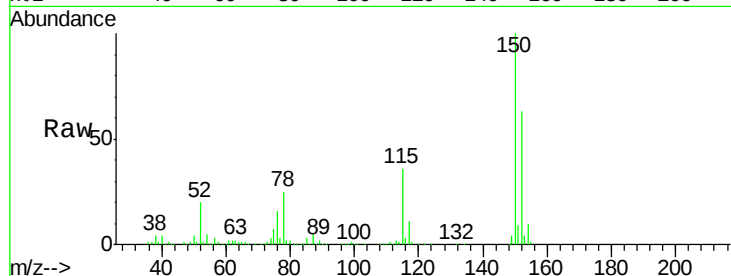
Tgt Ion:152 Resp: 194545

Ion Ratio Lower Upper

152 100

115 57.6 43.0 129.0

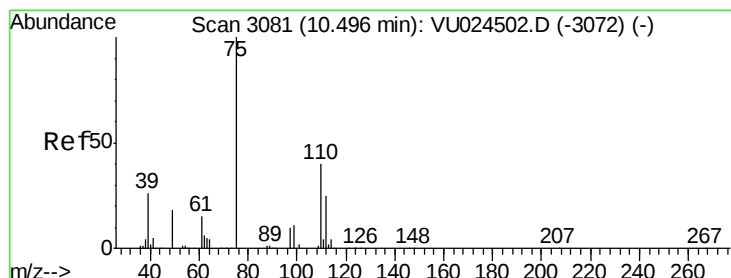
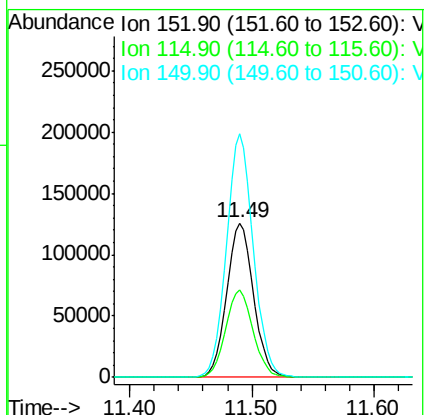
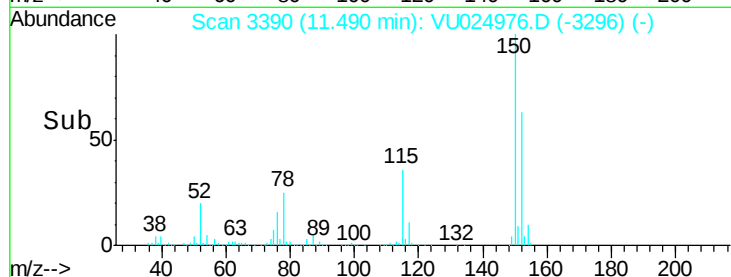
150 157.6 0.0 354.0



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: 25.031 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.18 min

Lab File: VU024976.D

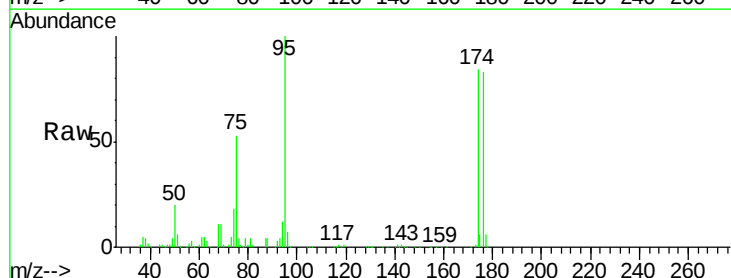
Acq: 27 Jun 2018 19:18

Tgt Ion: 75 Resp: 107211

Ion Ratio Lower Upper

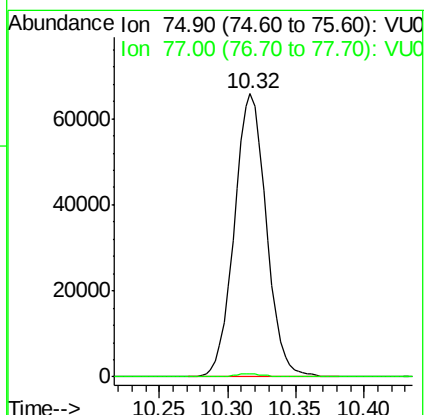
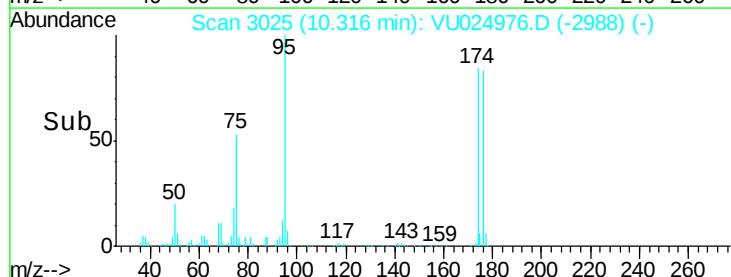
75 100

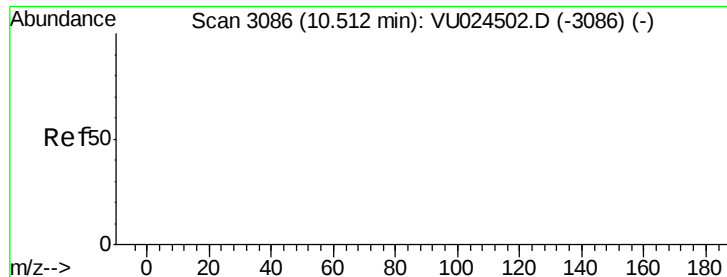
77 0.9 20.9 62.7#



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: 57.932 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.20 min

Lab File: VU024976.D

Acq: 27 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

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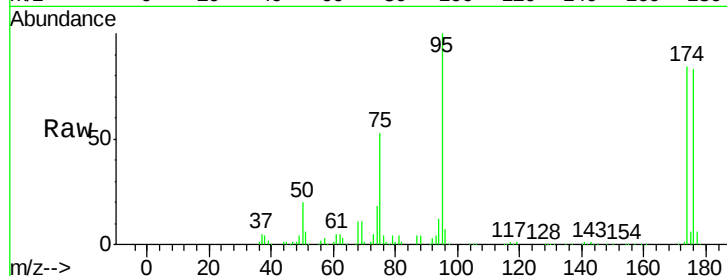
Tgt Ion: 75 Resp: 107211

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

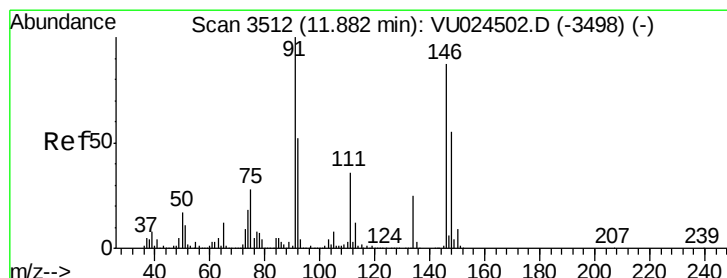
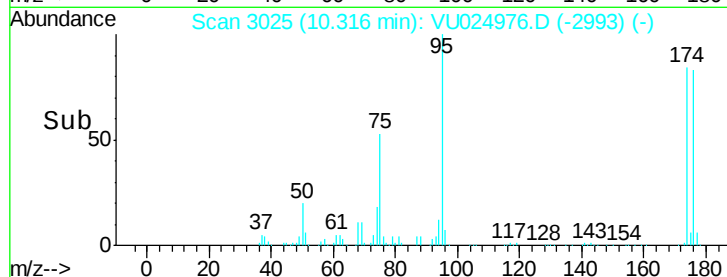
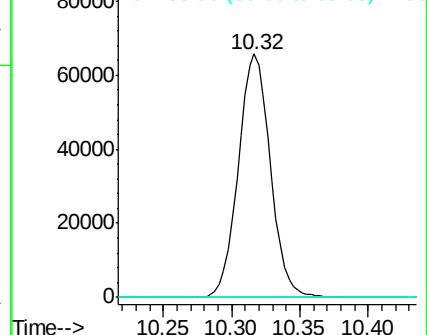
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024976.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024976.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024976.D (-2993) (-)



#91

1,2-Dichlorobenzene

Concen: 0.292 ug/l

RT: 11.89 min Scan# 3514

Delta R.T. 0.01 min

Lab File: VU024976.D

Acq: 27 Jun 2018 19:18

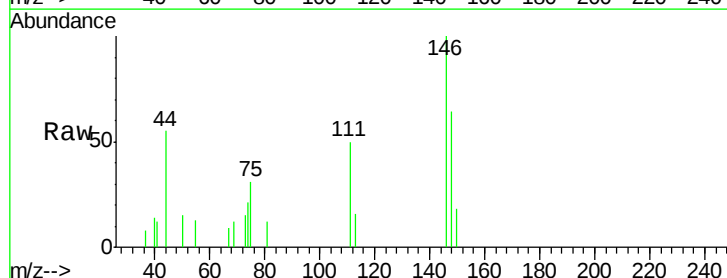
Tgt Ion: 146 Resp: 2042

Ion Ratio Lower Upper

146 100

111 50.9 20.5 61.6

148 71.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): VU024976.D (-3419) (-)

Ion 110.90 (110.60 to 111.60): VU024976.D (-3419) (-)

Ion 147.90 (147.60 to 148.60): VU024976.D (-3419) (-)

