

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024906.D
 Acq On : 26 Jun 2018 04:14
 Operator : MD/SY
 Sample : J3669-15ME 200X
 Misc : 6.01µ/5.0mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:42:30 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	230415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	348457	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	319918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	172376	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	171102	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	
35) Dibromofluoromethane	4.89	113	133831	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
50) Toluene-d8	7.57	98	504404	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	10.31	95	186602	44.55	ug/l	0.00
Spiked Amount			Recovery	=	89.10%	

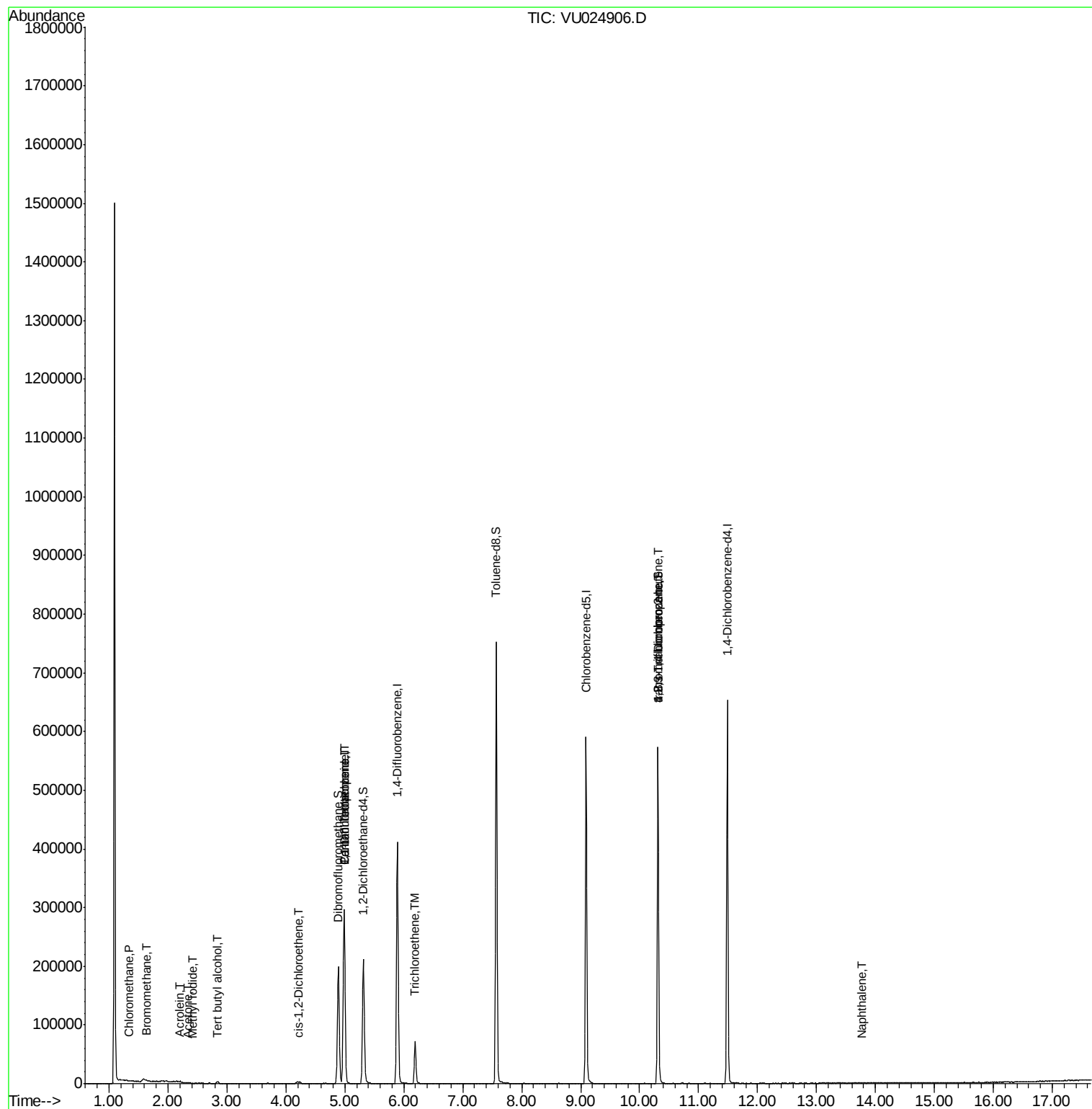
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	592	0.20	ug/l #	79
5) Bromomethane	1.64	94	410	0.28	ug/l	91
6) Chloroethane	1.67	64	41	Below Cal	#	43
8) Diethyl Ether	1.99	74	23	Below Cal		77
10) Methyl Iodide	2.42	142	19	5.30	ug/l #	40
11) Tert butyl alcohol	2.85	59	1433	1.57	ug/l #	72
13) Acrolein	2.20	56	108	0.22	ug/l #	13
16) Acetone	2.33	43	974	0.48	ug/l	89
27) cis-1,2-Dichloroethene	4.23	96	1100	0.33	ug/l	84
31) Cyclohexane	4.98	56	4504	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	17201	4.20	ug/l #	51
38) Carbon Tetrachloride	4.99	117	21888	4.86	ug/l #	16
44) Trichloroethene	6.19	130	25992	7.83	ug/l	90
76) 1,2,3-Trichloropropane	10.31	75	95606	25.19	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	95606	58.30	ug/l #	100
95) Naphthalene	13.78	128	21	0.68	ug/l #	69

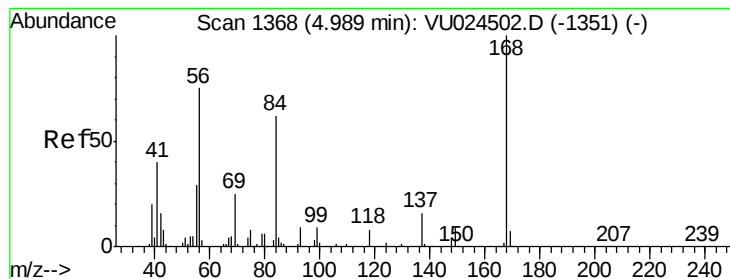
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 13 13:55:26 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

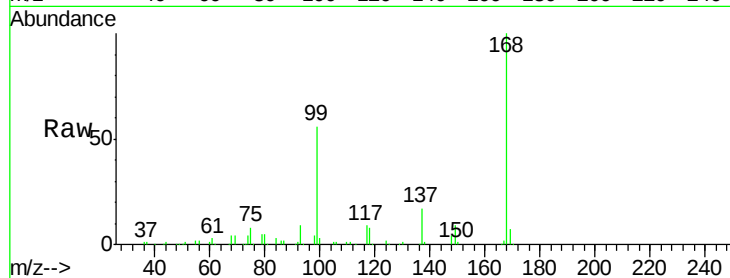
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 230415

Ion Ratio Lower Upper

168 100

99 55.7 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

120000

100000

80000

60000

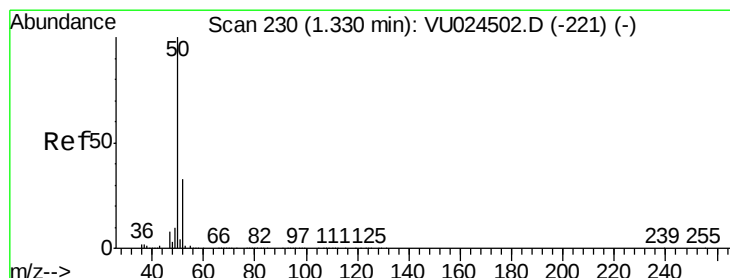
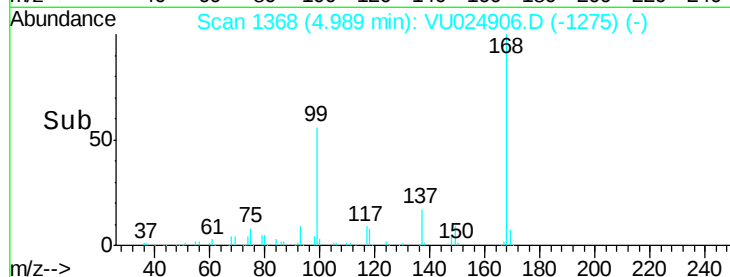
40000

20000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.20 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU024906.D

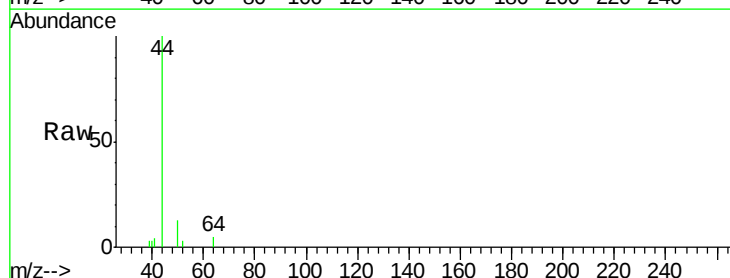
Acq: 26 Jun 2018 04:14

Tgt Ion: 50 Resp: 592

Ion Ratio Lower Upper

50 100

52 21.2 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

500

400

300

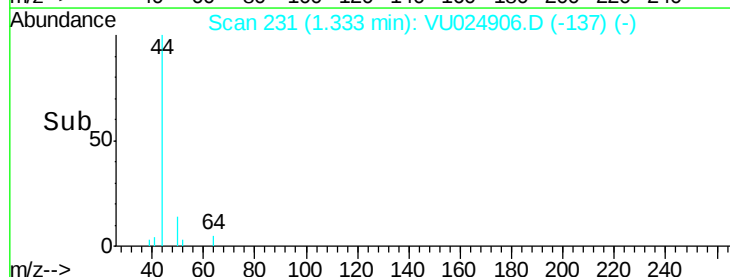
200

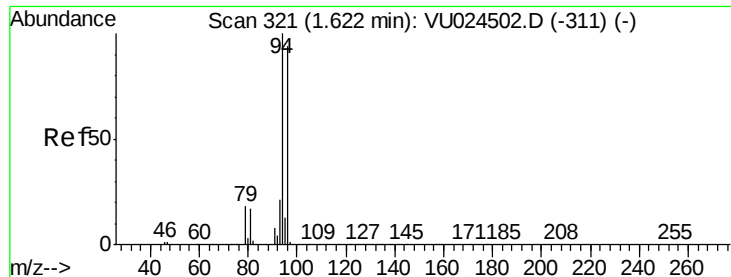
100

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: 0.28 ug/l

RT: 1.64 min Scan# 327

Delta R.T. 0.02 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

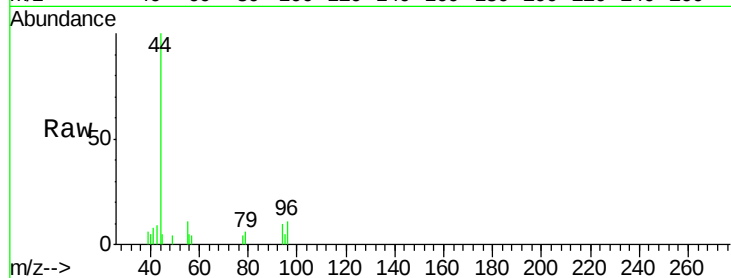
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 410

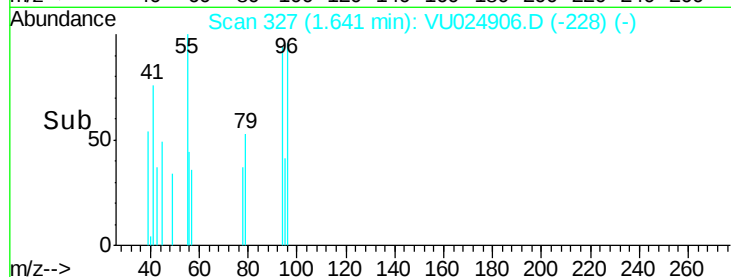
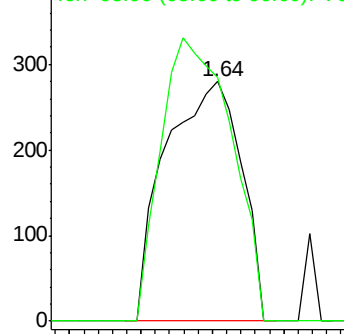
Ion Ratio Lower Upper

94 100

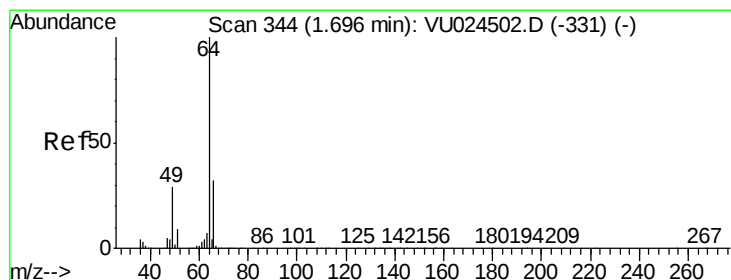
96 101.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0
Ion 95.90 (95.60 to 96.60): VU0



Time--> 1.60 1.62 1.64 1.66



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 335

Delta R.T. -0.03 min

Lab File: VU024906.D

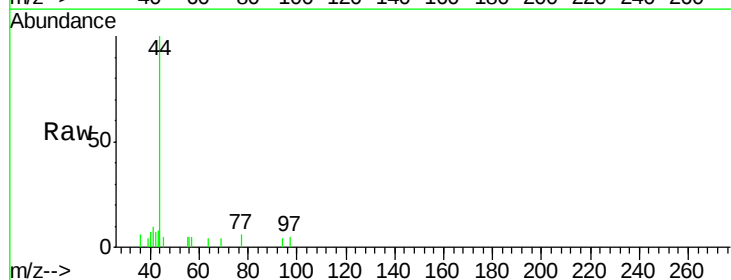
Acq: 26 Jun 2018 04:14

Tgt Ion: 64 Resp: 41

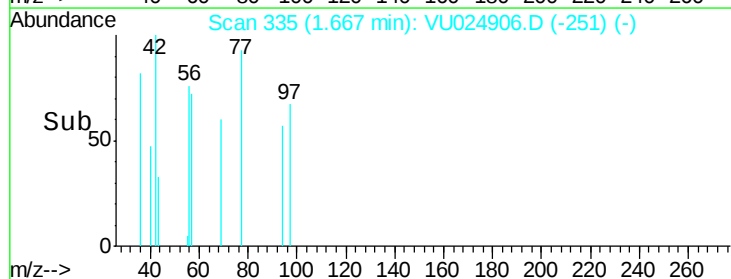
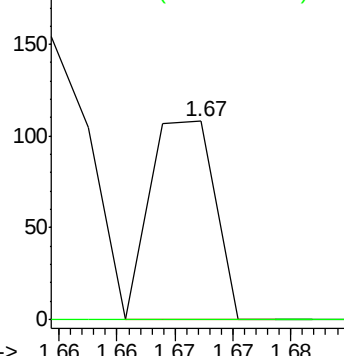
Ion Ratio Lower Upper

64 100

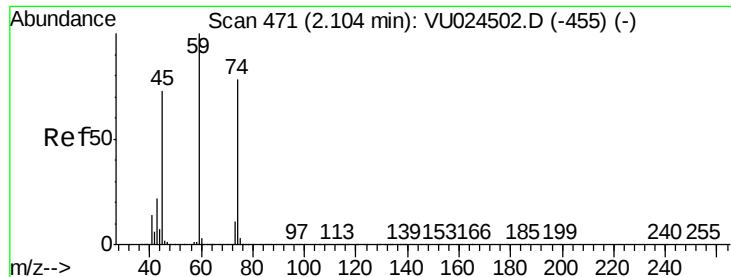
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0
Ion 65.90 (65.60 to 66.60): VU0



Time--> 1.66 1.66 1.67 1.67 1.68



#8

Diethyl Ether

Concen: Below Cal

RT: 1.99 min Scan# 434

Delta R.T. -0.12 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

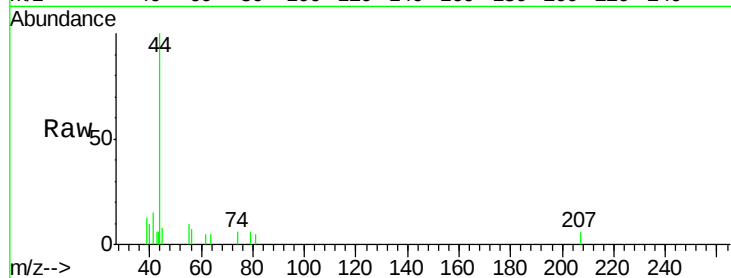
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 74 Resp: 23

Ion Ratio Lower Upper

74 100

45 134.8 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

200

150

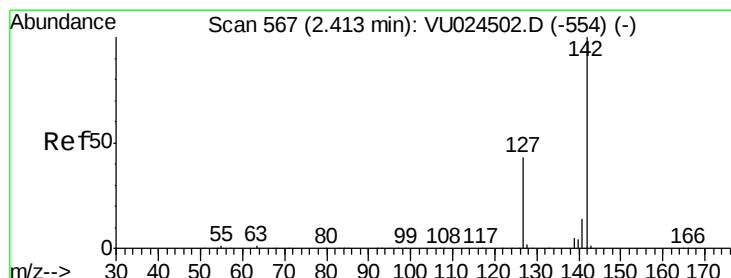
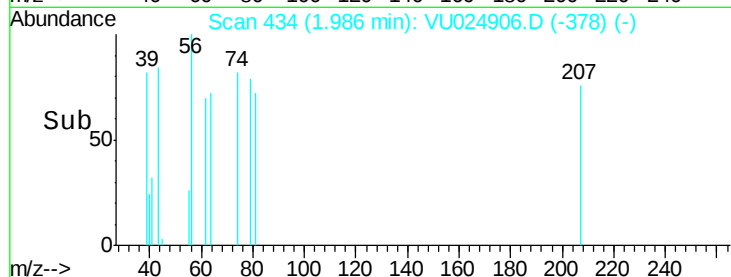
100

50

0

1.98 1.98 1.99 1.99 2.00

Time-->



#10

Methyl Iodide

Concen: 5.30 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

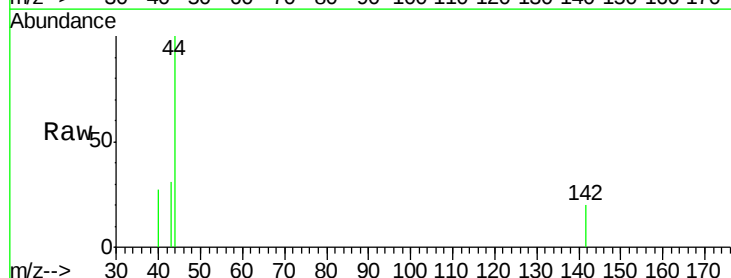
Tgt Ion: 142 Resp: 19

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

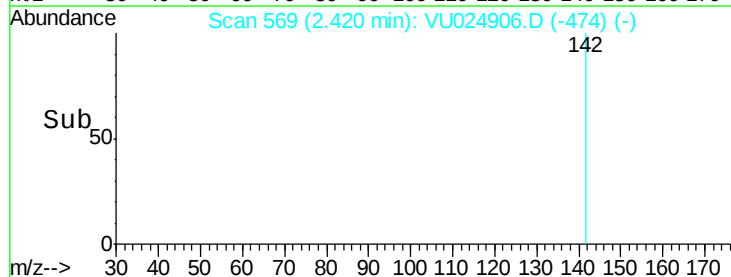
100

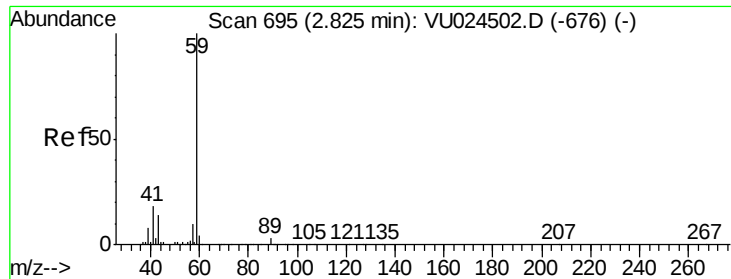
50

0

2.41 2.42 2.42 2.42 2.43

Time-->

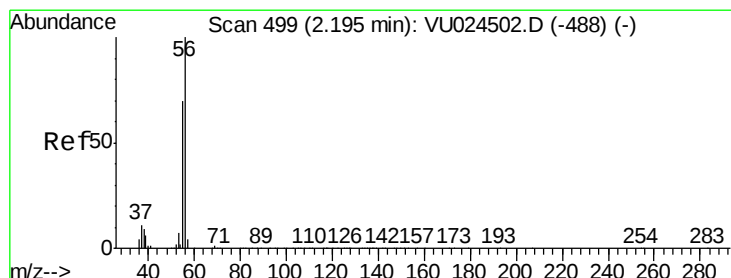
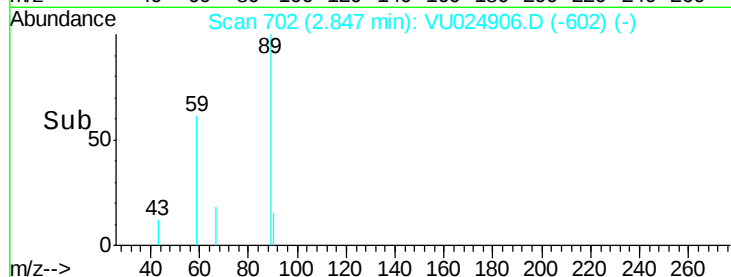
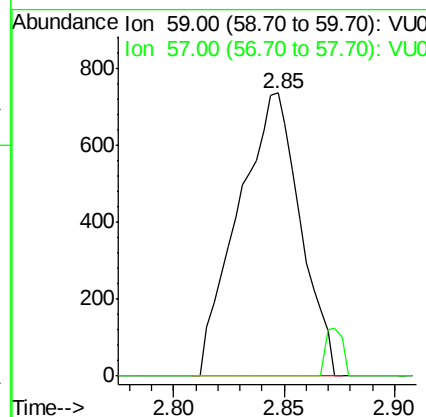
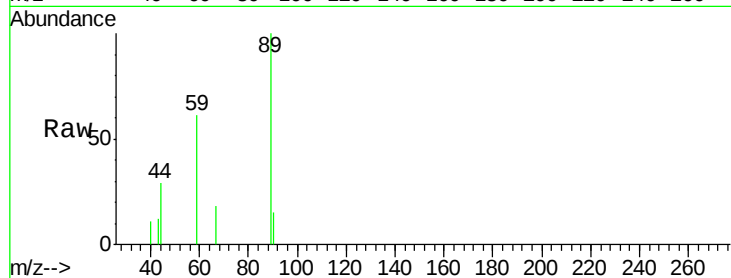




#11
Tert butyl alcohol
Concen: 1.57 ug/l
RT: 2.85 min Scan# 702
Delta R.T. 0.02 min
Lab File: VU024906.D
Acq: 26 Jun 2018 04:14

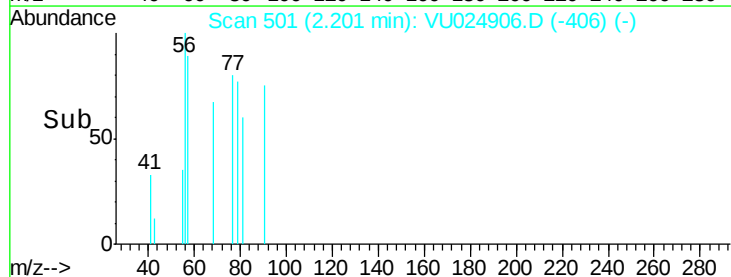
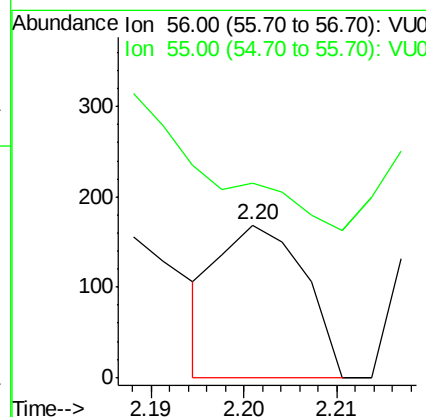
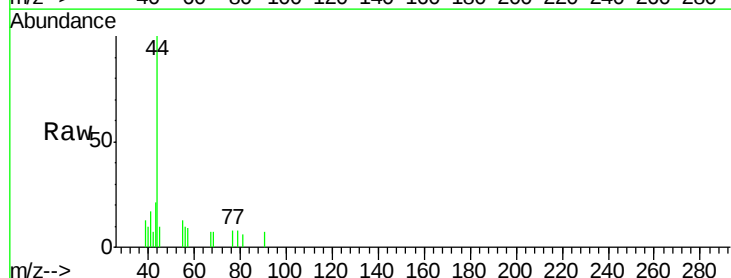
Instrument :
MSVOA_U
ClientSampleId :

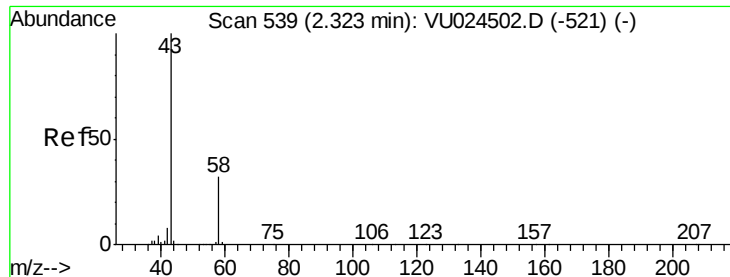
Tot Ion: 59 Resp: 1433
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.22 ug/l
RT: 2.20 min Scan# 501
Delta R.T. 0.01 min
Lab File: VU024906.D
Acq: 26 Jun 2018 04:14

Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#





#16

Acetone

Concen: 0.48 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

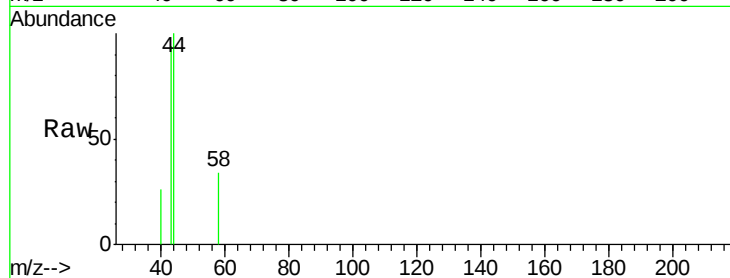
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 974

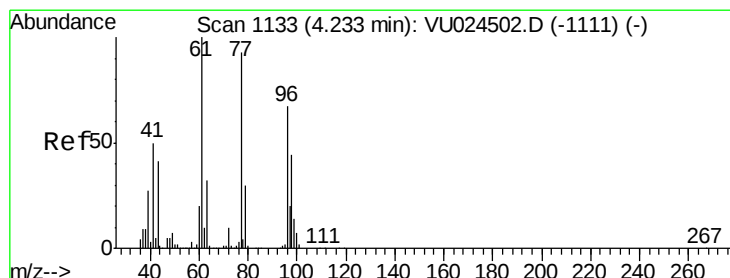
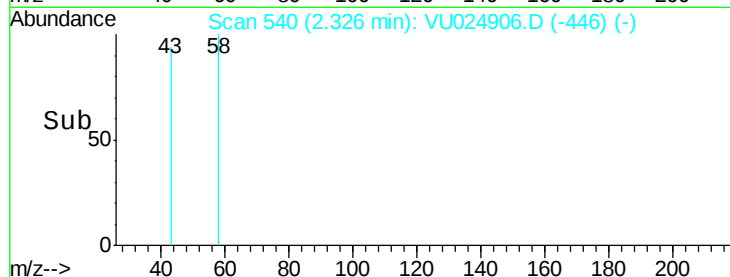
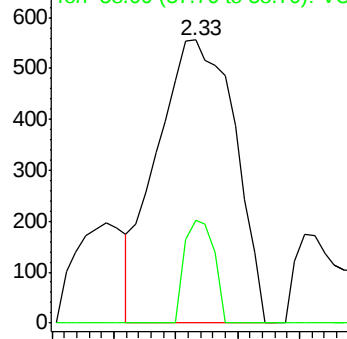
Ion Ratio Lower Upper

43 100

58 36.3 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 0.33 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

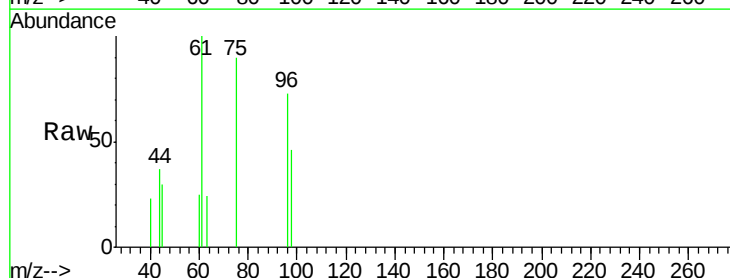
Tgt Ion: 96 Resp: 1100

Ion Ratio Lower Upper

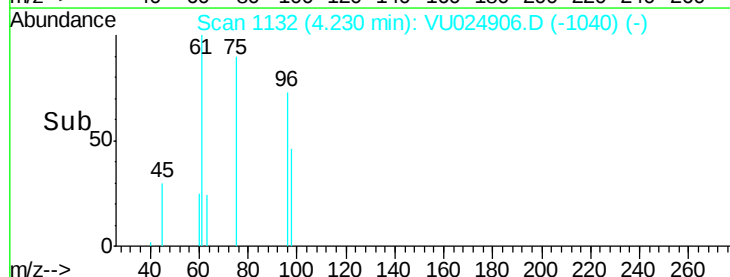
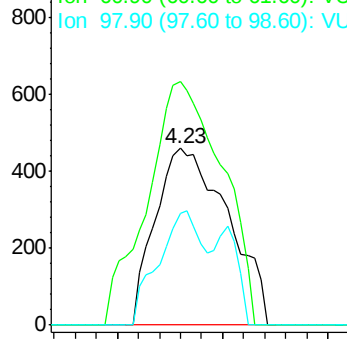
96 100

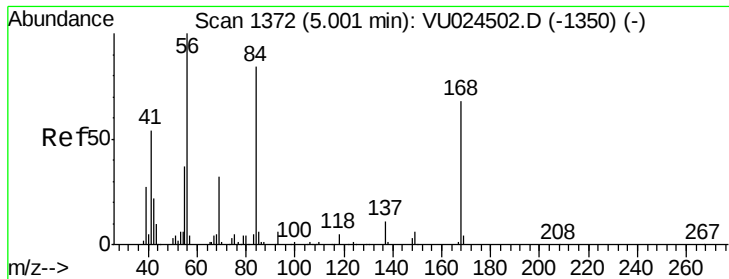
61 141.8 0.0 306.6

98 39.1 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

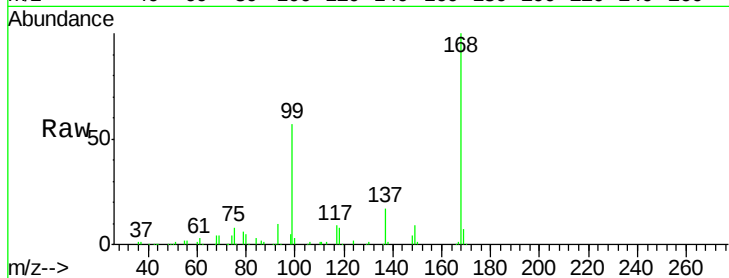




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU024906.D
Acq: 26 Jun 2018 04:14

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	56	Resp	4504
Ion Ratio	Lower	Upper	
56	100		
69	163.5	24.8	37.2#
84	128.3	65.2	97.8#

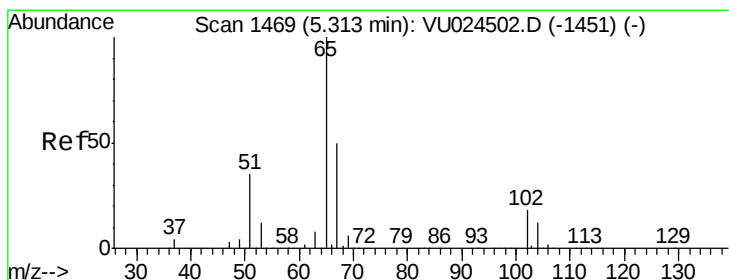
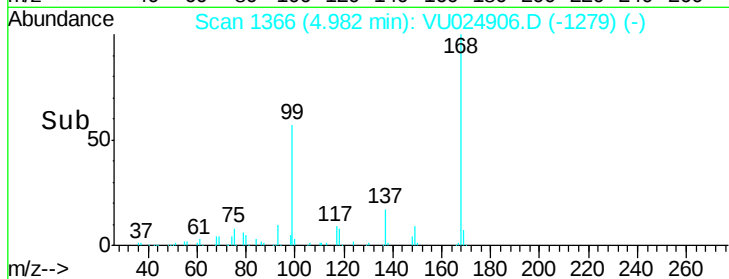
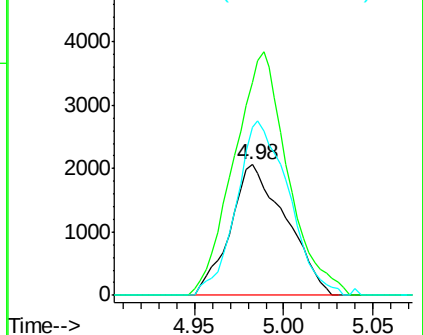


Abundance

Ion 56.00 (55.70 to 56.70): VU0

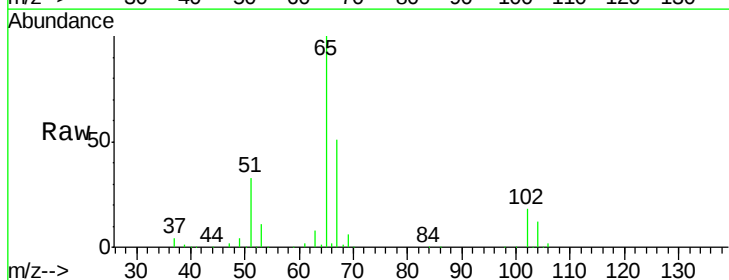
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33
1,2-Dichloroethane-d4
Concen: 45.49 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024906.D
Acq: 26 Jun 2018 04:14

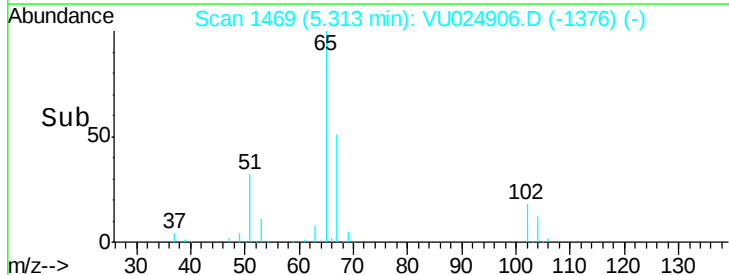
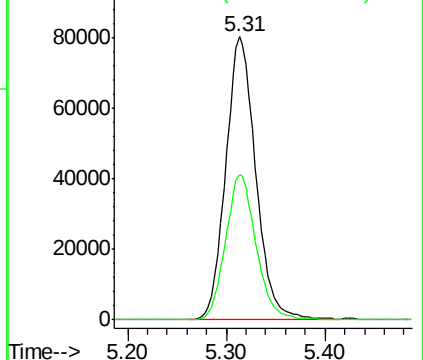
Tgt Ion	65	Resp	171102
Ion Ratio	Lower	Upper	
65	100		
67	52.3	0.0	107.0

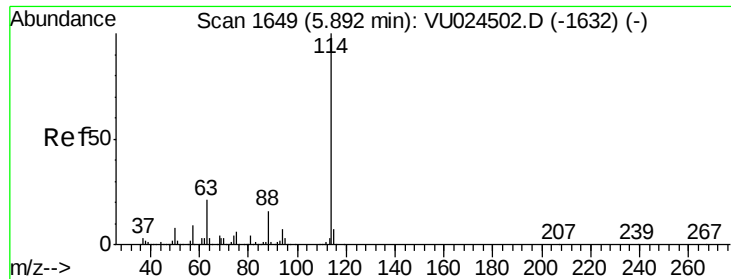


Abundance

Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

Instrument :

MSVOA_U

ClientSampleId :

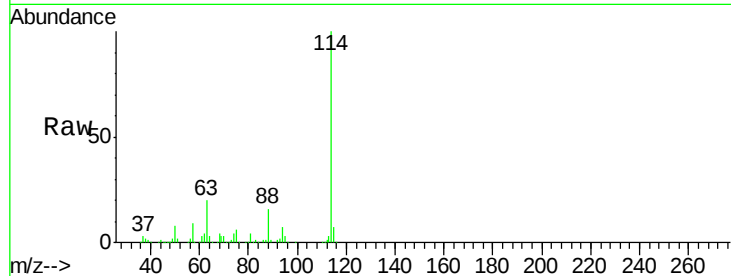
Tot Ion:114 Resp: 348457

Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.4

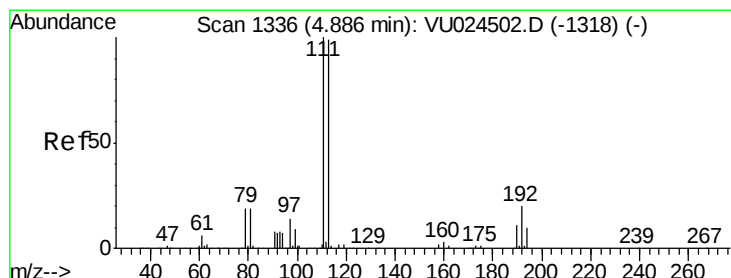
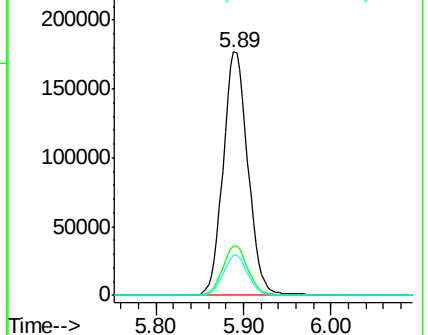
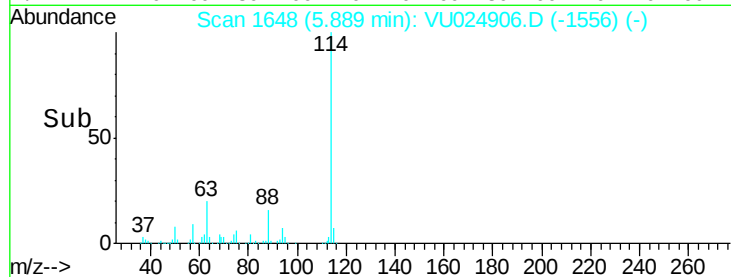
88 16.2 0.0 31.0



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: 46.28 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

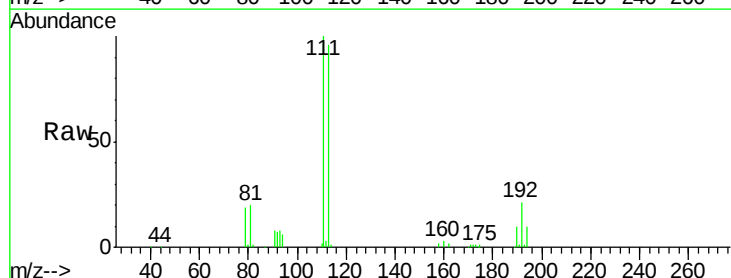
Tgt Ion:113 Resp: 133831

Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

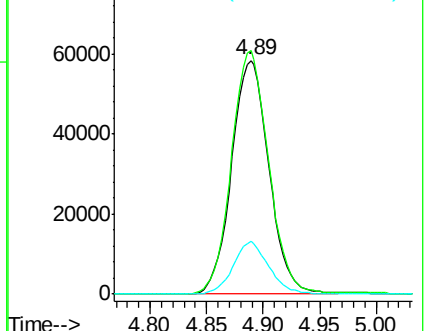
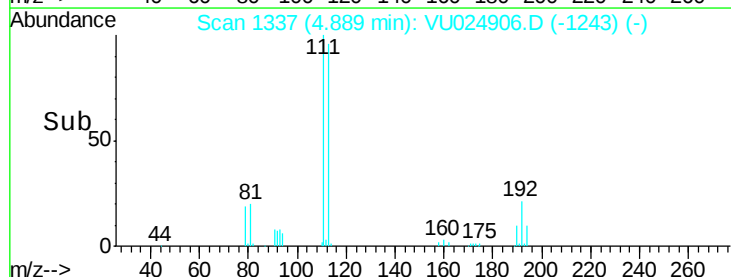
192 21.5 16.2 24.4

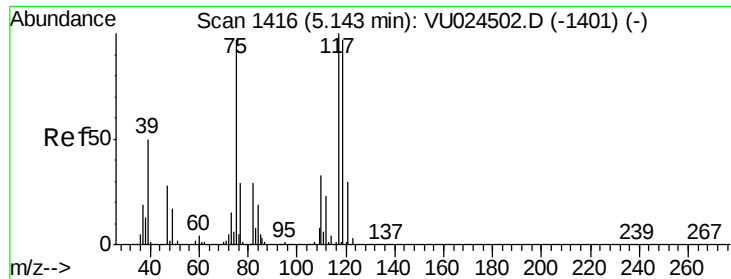


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.20 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

Instrument :
MSVOA_U
ClientSampled :

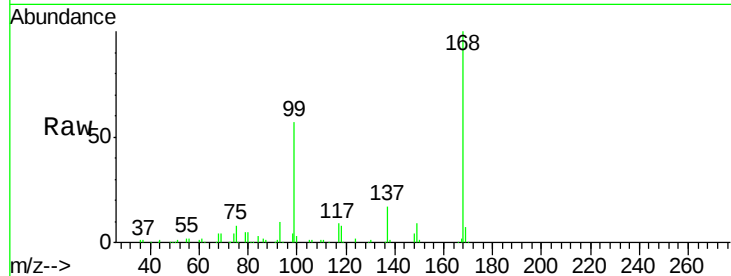
Tot Ion: 75 Resp: 17201

Ion Ratio Lower Upper

75 100

110 8.8 17.0 50.9#

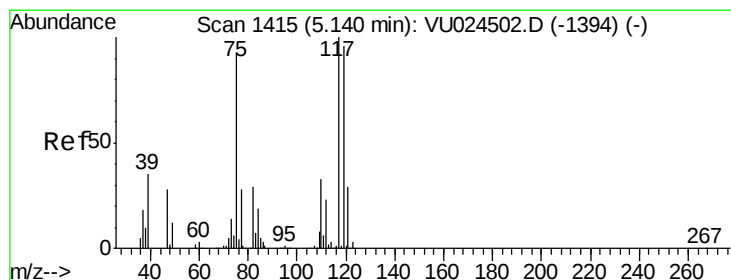
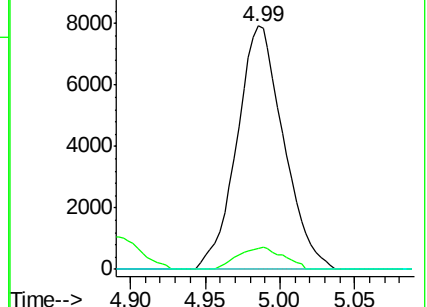
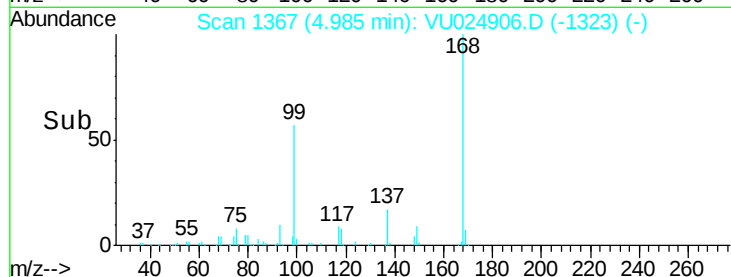
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU024906.D (-1323) (-)

Ion 109.90 (109.60 to 110.60): VU024906.D (-1323) (-)

Ion 76.90 (76.60 to 77.60): VU024906.D (-1323) (-)



#38

Carbon Tetrachloride

Concen: 4.86 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

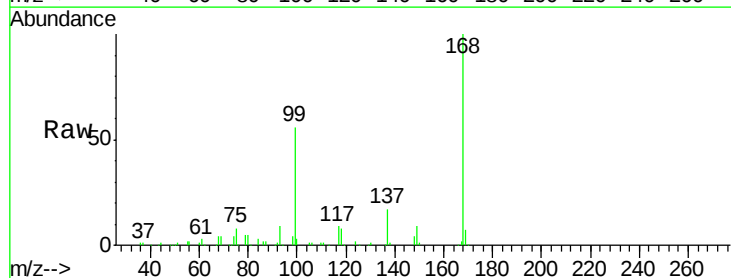
Tgt Ion: 117 Resp: 21888

Ion Ratio Lower Upper

117 100

119 4.4 76.1 114.1#

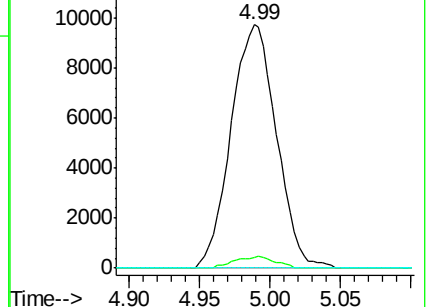
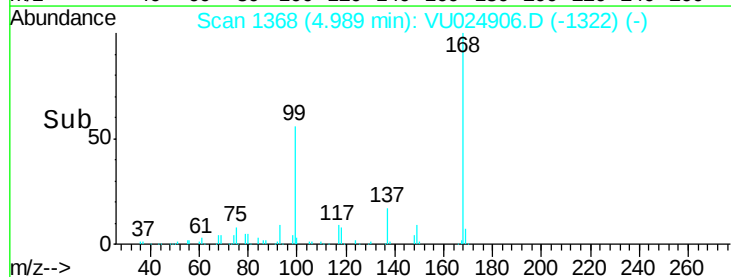
121 0.0 23.7 35.5#

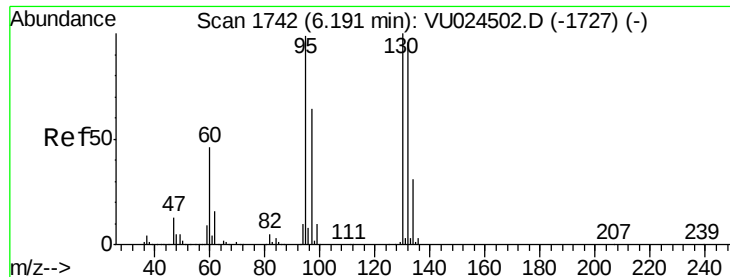


Abundance Ion 116.80 (116.50 to 117.50): VU024906.D (-1322) (-)

Ion 118.80 (118.50 to 119.50): VU024906.D (-1322) (-)

Ion 120.80 (120.50 to 121.50): VU024906.D (-1322) (-)





#44

Trichloroethene

Concen: 7.83 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

Instrument :

MSVOA_U

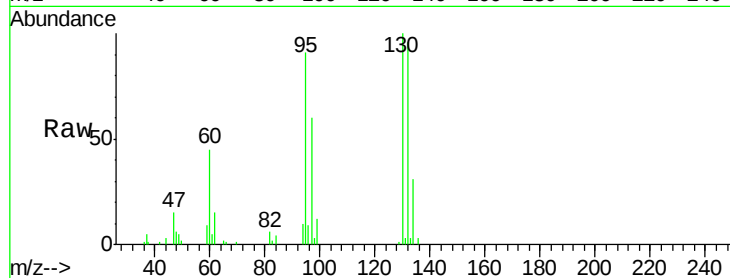
ClientSampleId :

Tot Ion:130 Resp: 25992

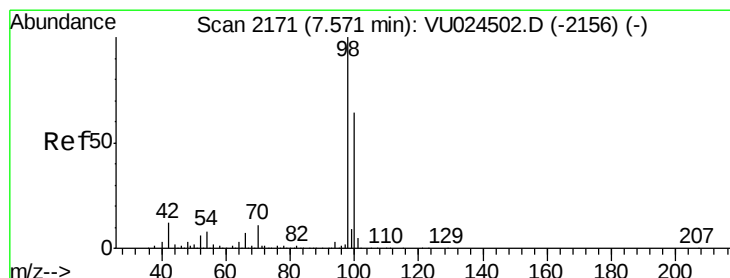
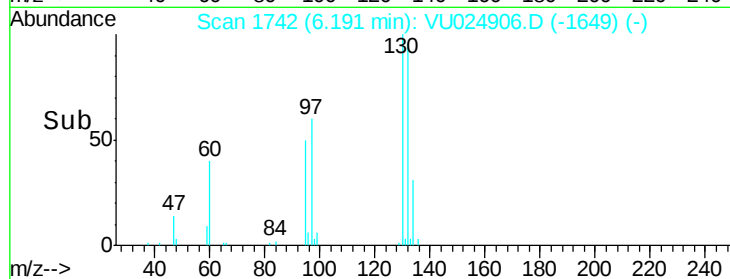
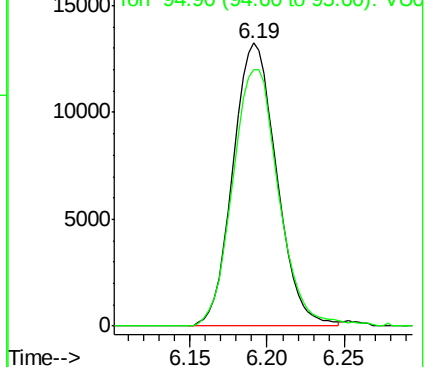
Ion Ratio Lower Upper

130 100

95 90.7 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024906.D (-1649) (-)



#50

Toluene-d8

Concen: 47.82 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024906.D

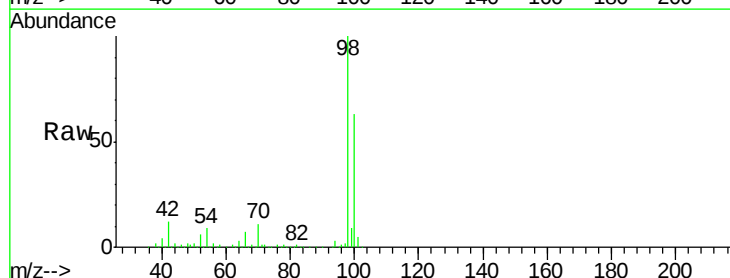
Acq: 26 Jun 2018 04:14

Tgt Ion: 98 Resp: 504404

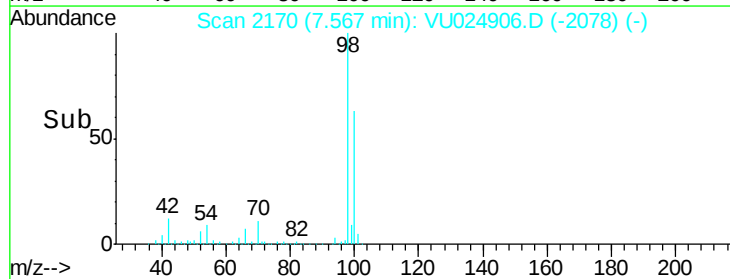
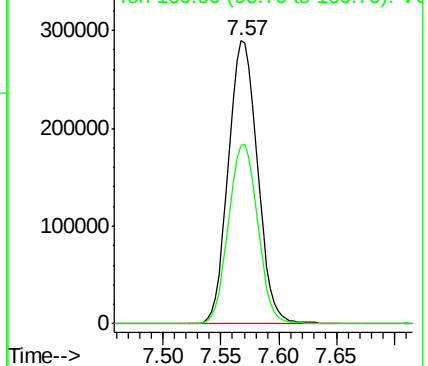
Ion Ratio Lower Upper

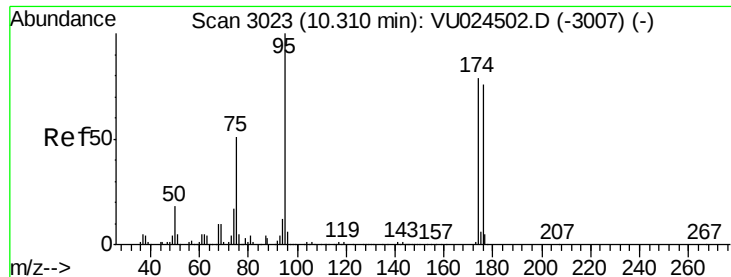
98 100

100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024906.D (-2078) (-)

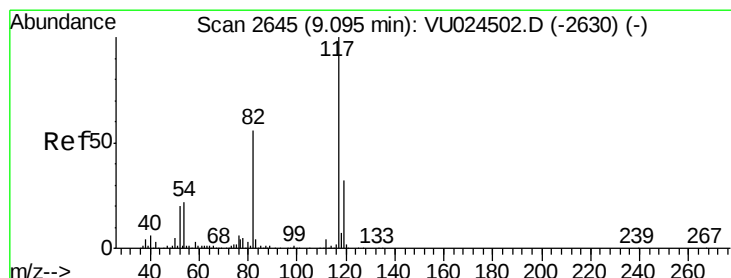
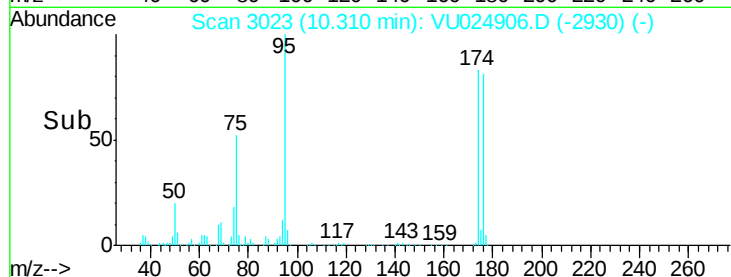
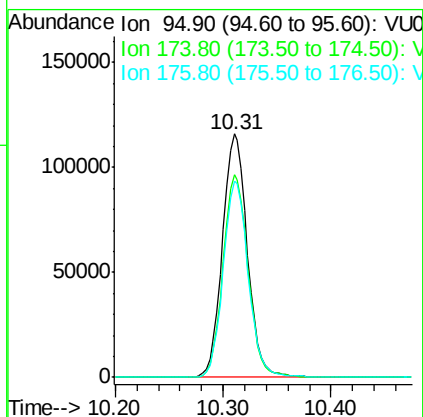
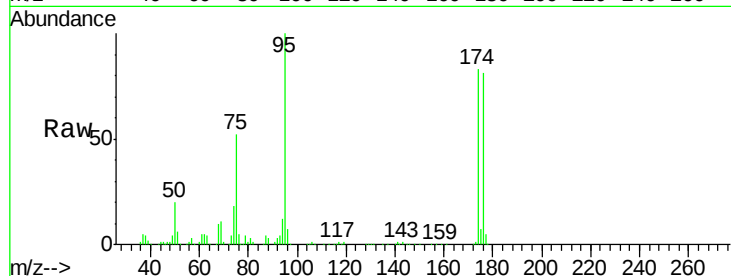




#62
4-Bromofluorobenzene
Concen: 44.55 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024906.D
Acq: 26 Jun 2018 04:14

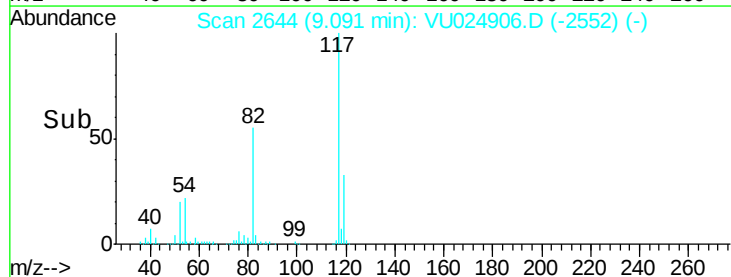
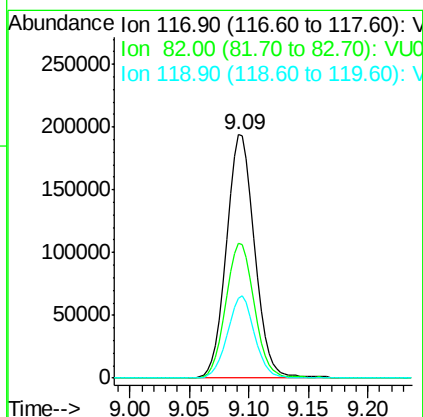
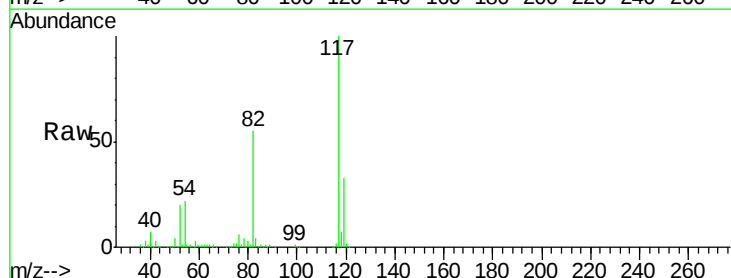
Instrument :
MSVOA_U
ClientSampleId :

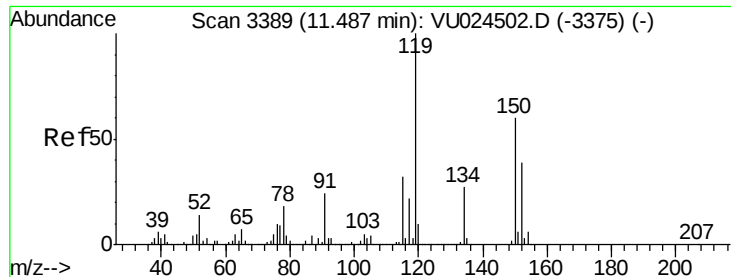
Tot Ion: 95 Resp: 186602
Ion Ratio Lower Upper
95 100
174 83.8 0.0 165.8
176 80.9 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024906.D
Acq: 26 Jun 2018 04:14

Tgt Ion: 117 Resp: 319918
Ion Ratio Lower Upper
117 100
82 55.2 44.3 66.5
119 32.9 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

Instrument :

MSVOA_U

ClientSampleId :

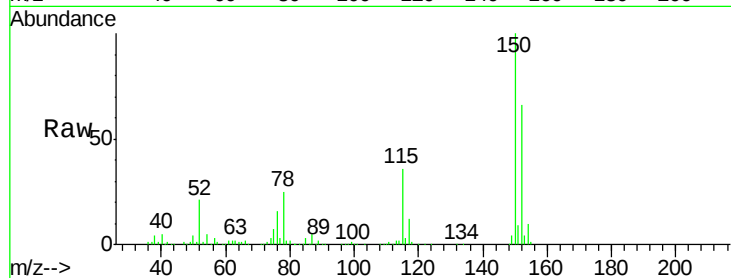
Tot Ion:152 Resp: 172376

Ion Ratio Lower Upper

152 100

115 56.7 43.0 129.0

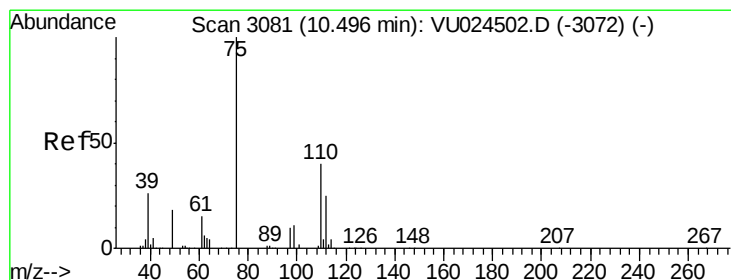
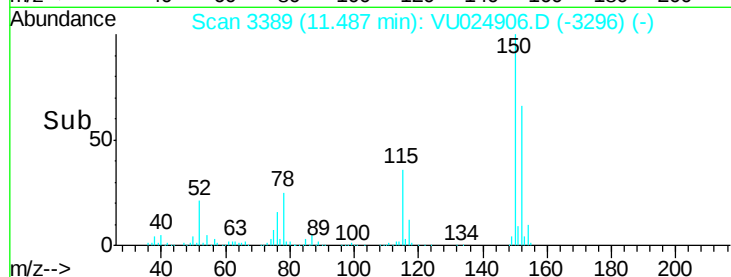
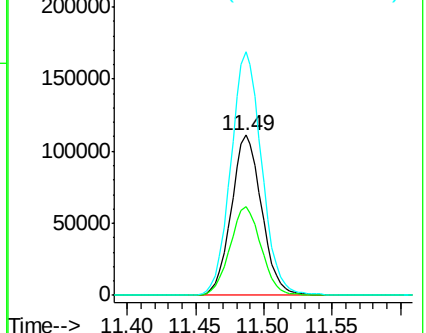
150 154.4 0.0 354.0



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: 25.19 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024906.D

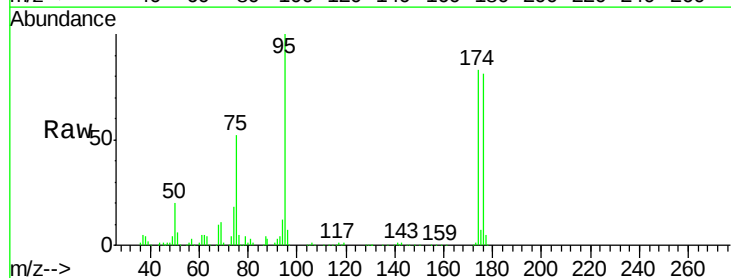
Acq: 26 Jun 2018 04:14

Tgt Ion: 75 Resp: 95606

Ion Ratio Lower Upper

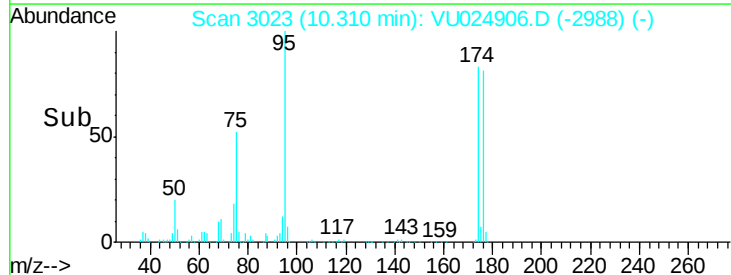
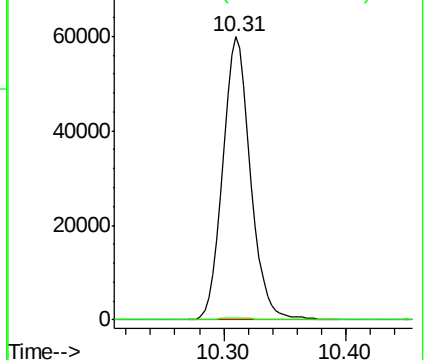
75 100

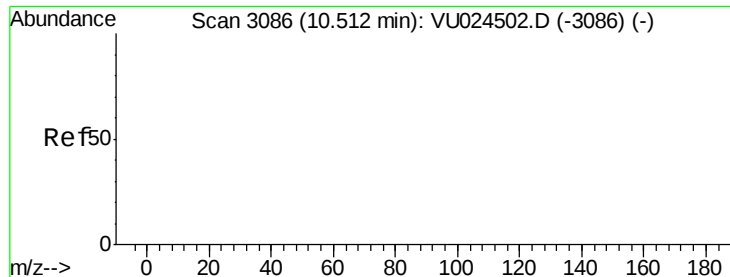
77 0.9 20.9 62.7#



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: 58.30 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

Instrument :

MSVOA_U

ClientSampleId :

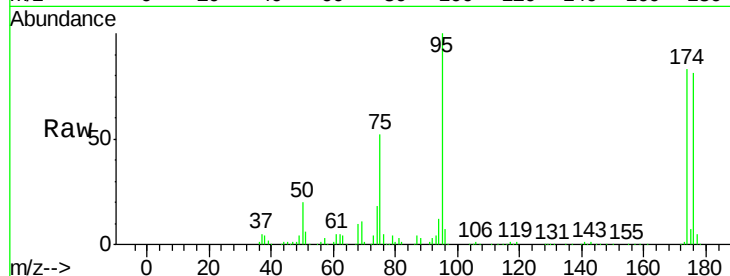
Tot Ion: 75 Resp: 95606

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

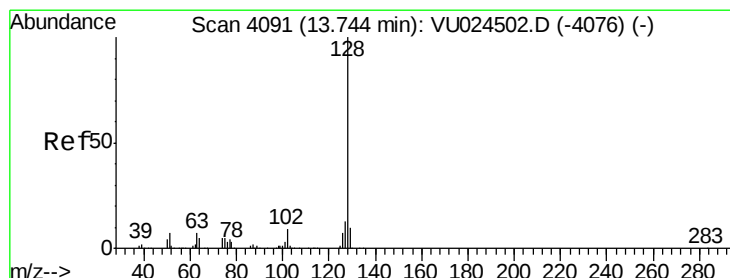
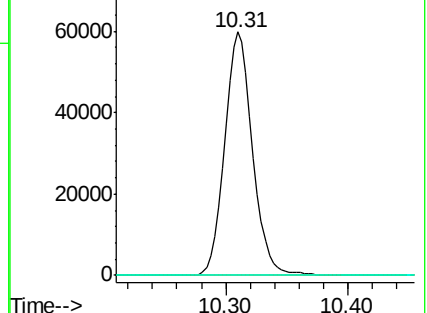
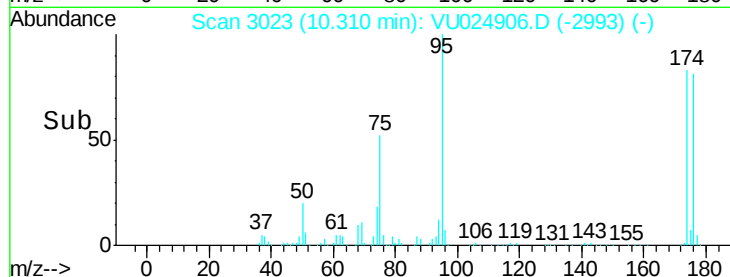
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#95

Naphthalene

Concen: 0.68 ug/l

RT: 13.78 min Scan# 4101

Delta R.T. 0.03 min

Lab File: VU024906.D

Acq: 26 Jun 2018 04:14

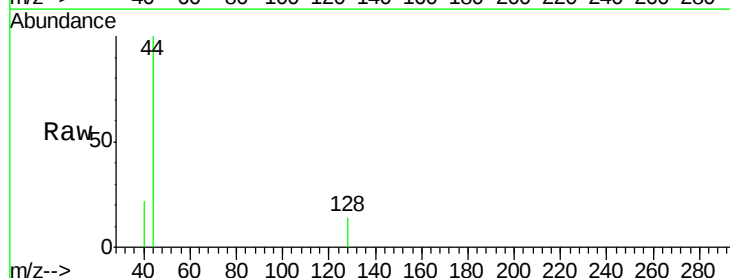
Tgt Ion: 128 Resp: 21

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

