

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024904.D
 Acq On : 26 Jun 2018 03:26
 Operator : MD/SY
 Sample : J3669-13ME 200X
 Misc : 6.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:42:01 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	225060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	339216	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	312470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167383	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	166484	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	
35) Dibromofluoromethane	4.89	113	133056	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
50) Toluene-d8	7.57	98	494696	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	10.31	95	182687	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	

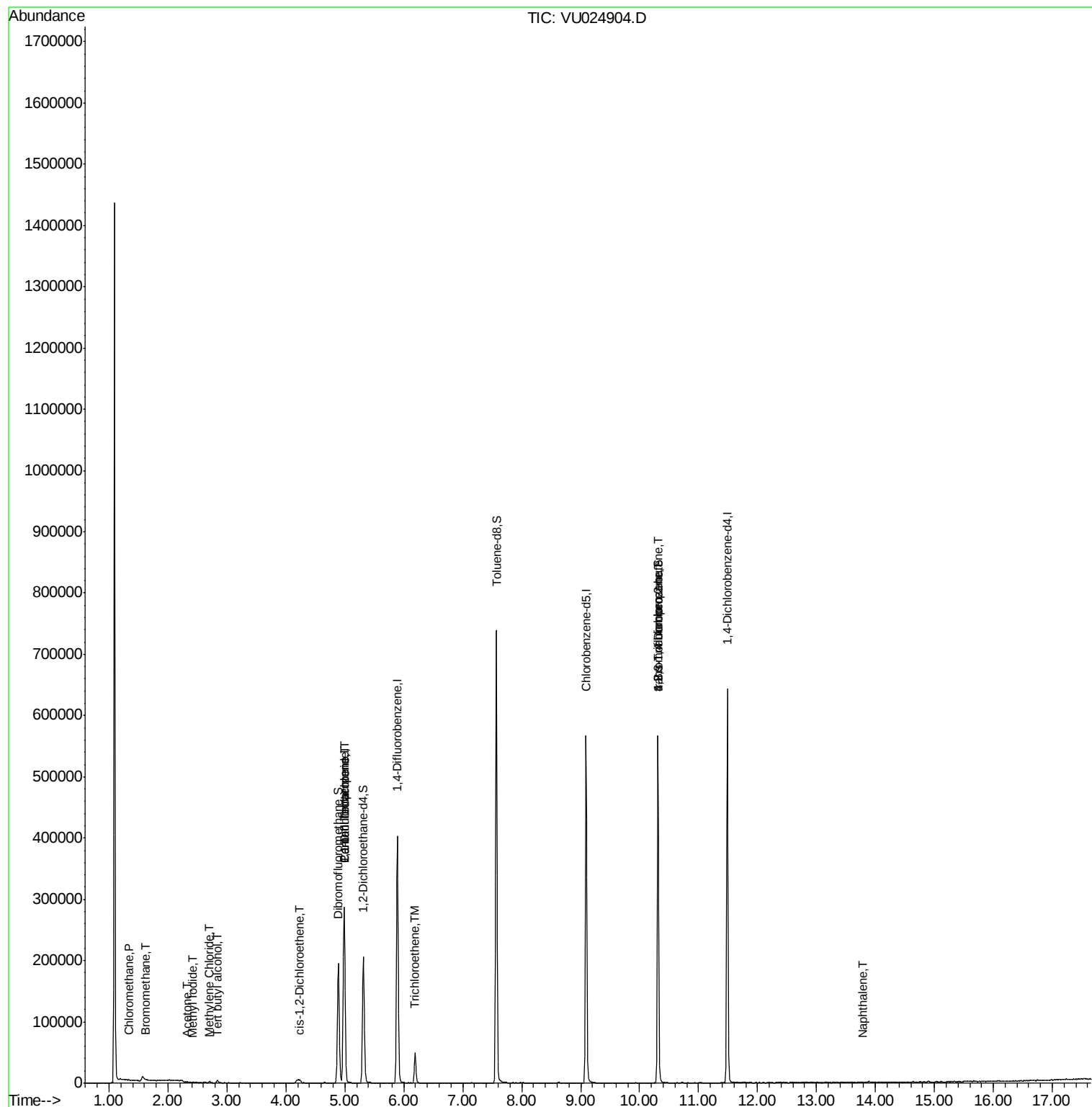
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	706	0.25	ug/l	90
5) Bromomethane	1.63	94	486	0.34	ug/l	# 56
6) Chloroethane	1.68	64	88	Below Cal	#	43
10) Methyl Iodide	2.42	142	112	5.33	ug/l	# 40
11) Tert butyl alcohol	2.84	59	2203	2.47	ug/l	# 82
16) Acetone	2.32	43	1210	0.61	ug/l	# 85
20) Methylene Chloride	2.70	84	890	0.29	ug/l	# 87
27) cis-1,2-Dichloroethene	4.23	96	2547	0.78	ug/l	# 77
31) Cyclohexane	4.99	56	4584	Below Cal	#	11
36) 1,1-Dichloropropene	4.99	75	16794	4.21	ug/l	# 51
38) Carbon Tetrachloride	4.99	117	21323	4.86	ug/l	# 17
44) Trichloroethene	6.19	130	17579	5.44	ug/l	# 97
76) 1,2,3-Trichloropropane	10.31	75	93606	25.40	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	10.31	75	93606	58.79	ug/l	# 100
95) Naphthalene	13.78	128	142	0.69	ug/l	# 69

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024904.D

Acq: 26 Jun 2018 03:26

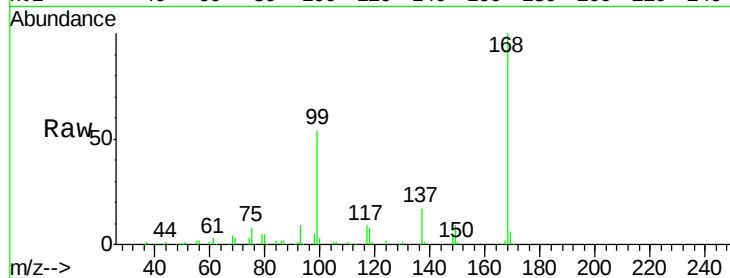
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 225060

Ion Ratio Lower Upper

168 100

99 54.1 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

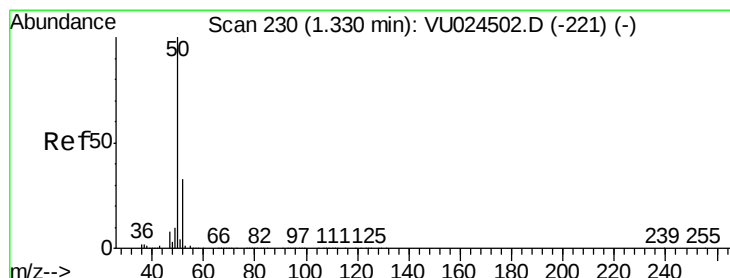
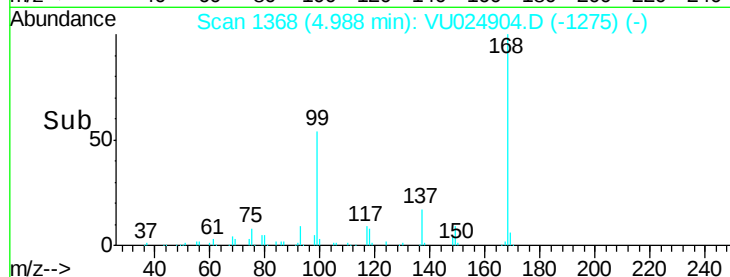
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.25 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024904.D

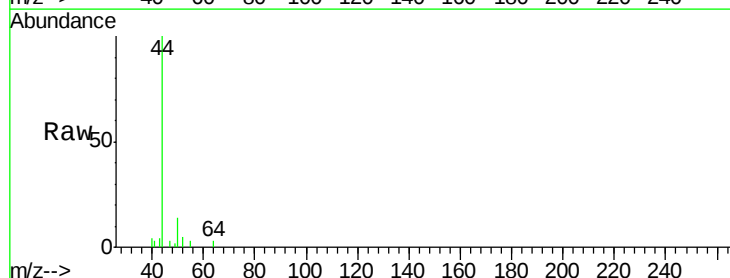
Acq: 26 Jun 2018 03:26

Tgt Ion: 50 Resp: 706

Ion Ratio Lower Upper

50 100

52 38.8 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

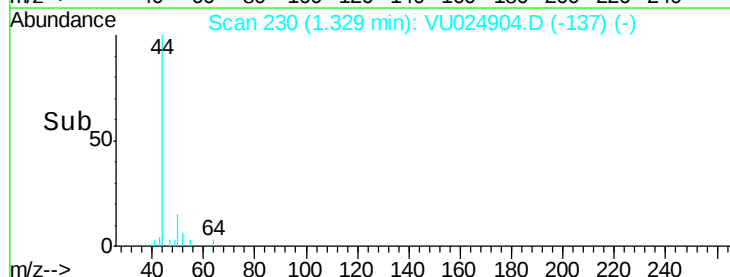
600

400

200

0

Time-->





#5

Bromomethane

Concen: 0.34 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU024904.D

Acq: 26 Jun 2018 03:26

Instrument :

MSVOA_U

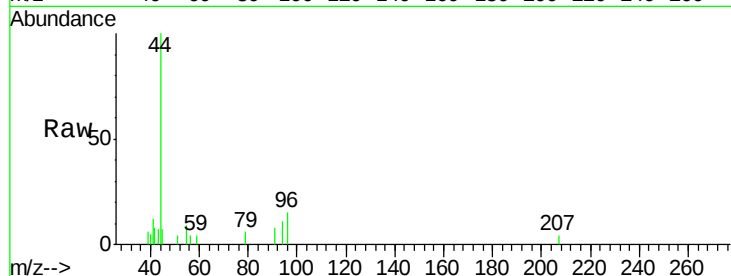
ClientSampled :

Tot Ion: 94 Resp: 486

Ion Ratio Lower Upper

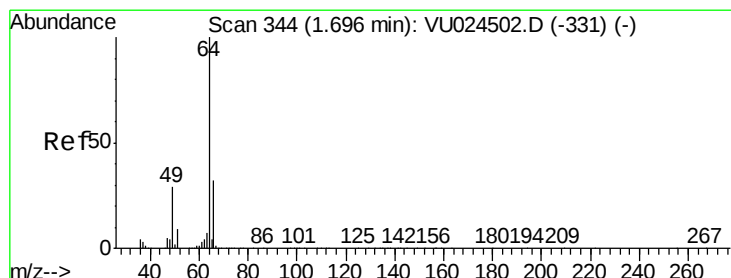
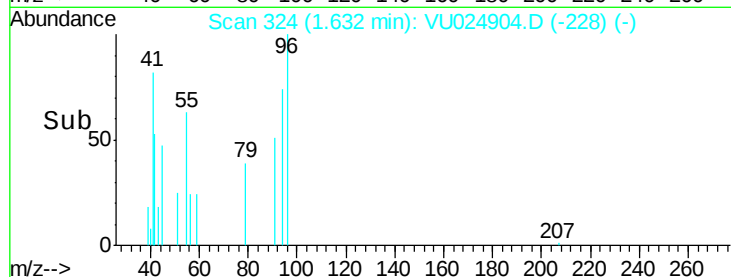
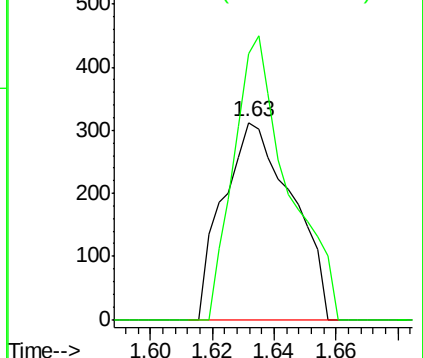
94 100

96 135.3 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: VU024904.D

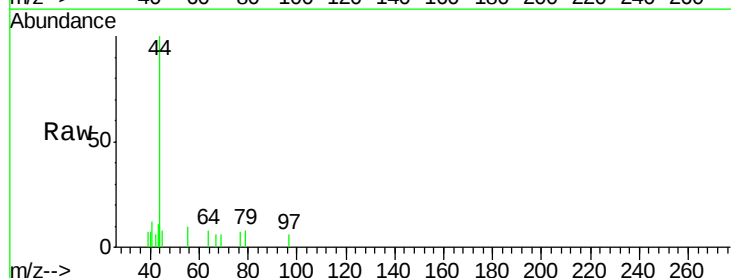
Acq: 26 Jun 2018 03:26

Tgt Ion: 64 Resp: 88

Ion Ratio Lower Upper

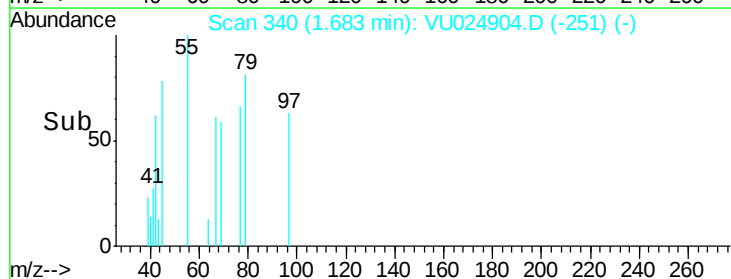
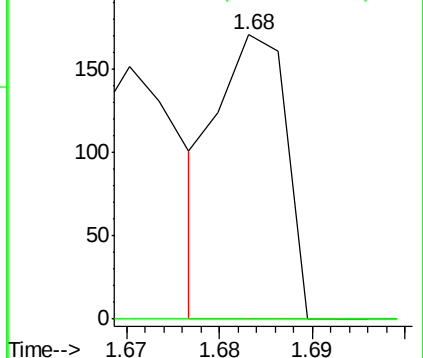
64 100

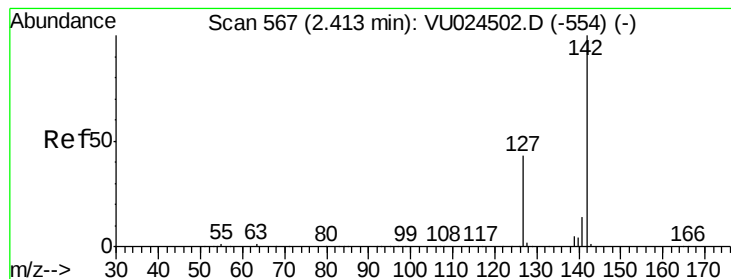
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methvl Iodide

Concen: 5.33 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU024904.D

Acq: 26 Jun 2018 03:26

Instrument :

MSVOA_U

ClientSampleId :

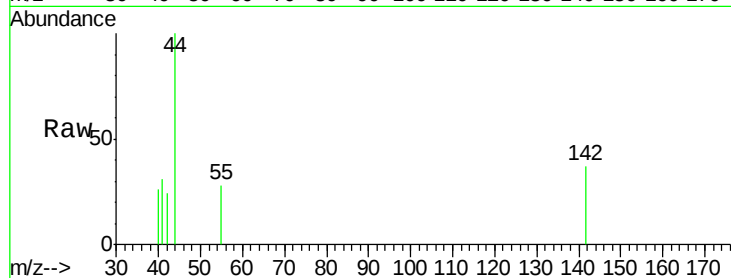
Tot Ion:142 Resp: 112

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

250

200

150

100

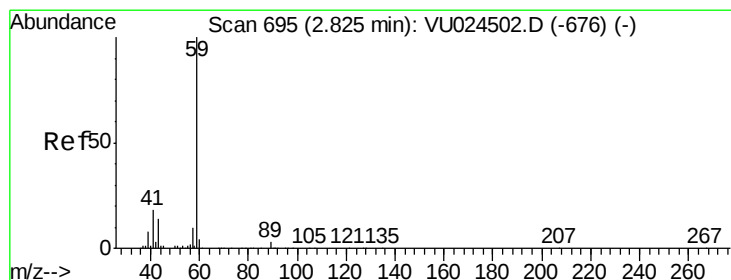
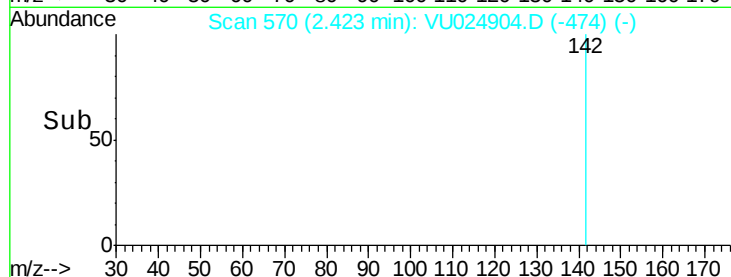
50

0

2.40 2.41 2.42 2.43 2.44

2.42

Time-->



#11

Tert butyl alcohol

Concen: 2.47 ug/l

RT: 2.84 min Scan# 701

Delta R.T. 0.02 min

Lab File: VU024904.D

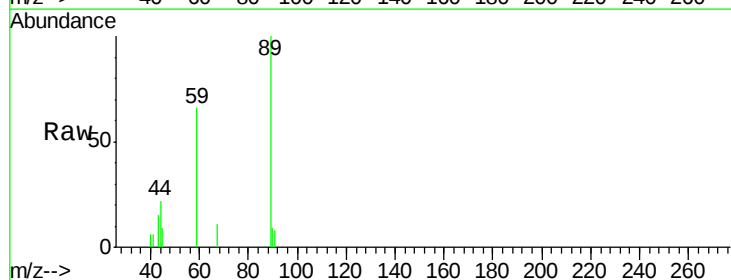
Acq: 26 Jun 2018 03:26

Tgt Ion: 59 Resp: 2203

Ion Ratio Lower Upper

59 100

57 3.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

1200

1000

800

600

400

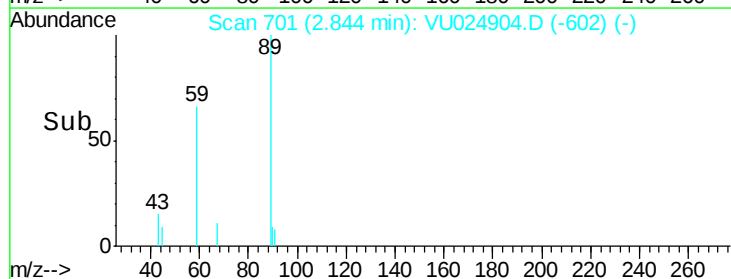
200

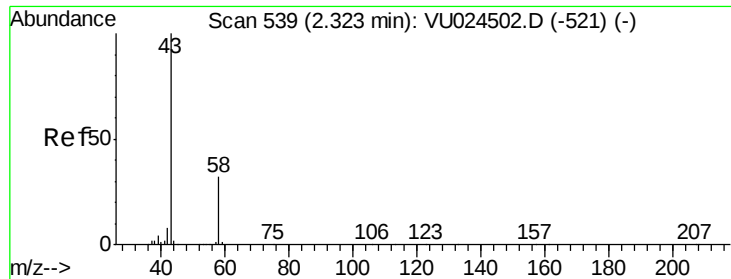
0

2.80 2.85 2.90

2.84

Time-->





#16

Acetone

Concen: 0.61 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024904.D

Acq: 26 Jun 2018 03:26

Instrument :

MSVOA_U

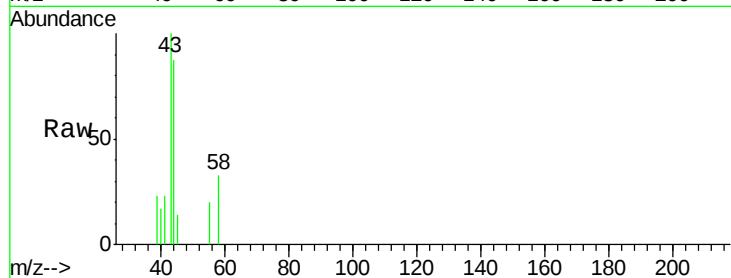
ClientSampleId :

Tot Ion: 43 Resp: 1210

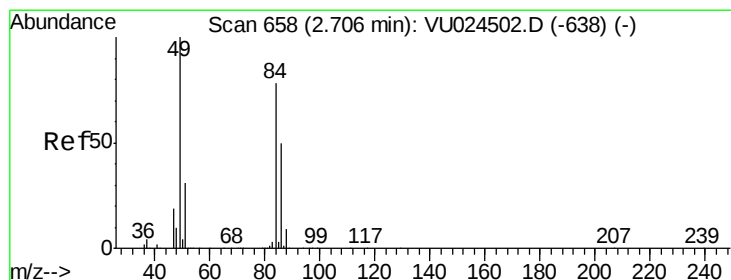
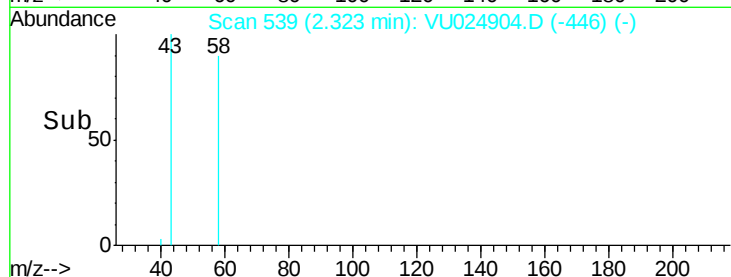
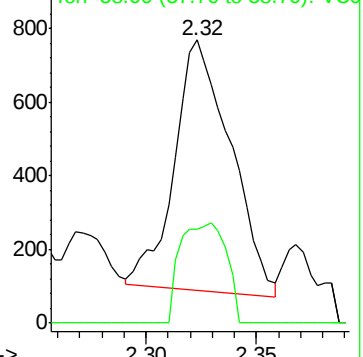
Ion Ratio Lower Upper

43 100

58 38.9 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)



#20

Methylene Chloride

Concen: 0.29 ug/l

RT: 2.70 min Scan# 655

Delta R.T. -0.01 min

Lab File: VU024904.D

Acq: 26 Jun 2018 03:26

Tgt Ion: 84 Resp: 890

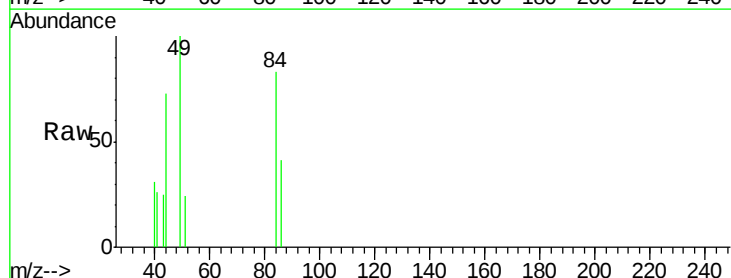
Ion Ratio Lower Upper

84 100

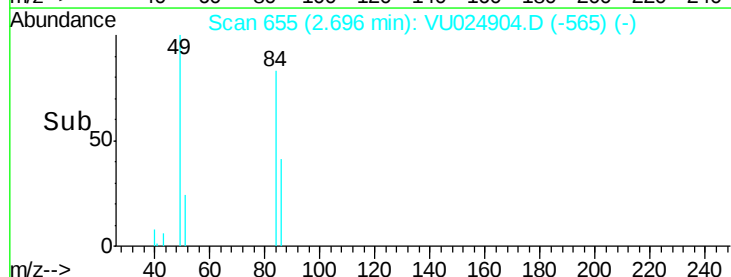
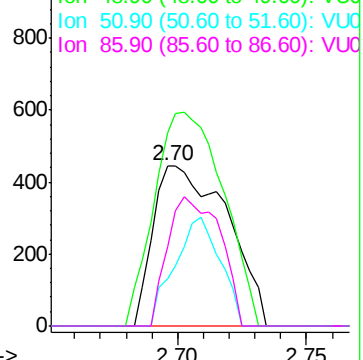
49 120.9 103.8 155.8

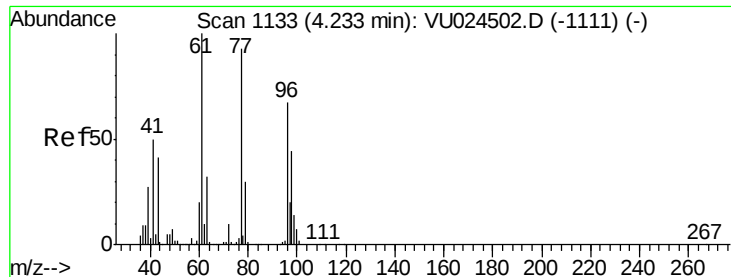
51 29.1 32.0 48.0#

86 49.1 51.6 77.4#



Abundance Ion 83.90 (83.60 to 84.60): VU024502.D (-638) (-)





#27

cis-1,2-Dichloroethene

Concen: 0.78 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024904.D

Acq: 26 Jun 2018 03:26

Instrument :
MSVOA_U
ClientSampled :

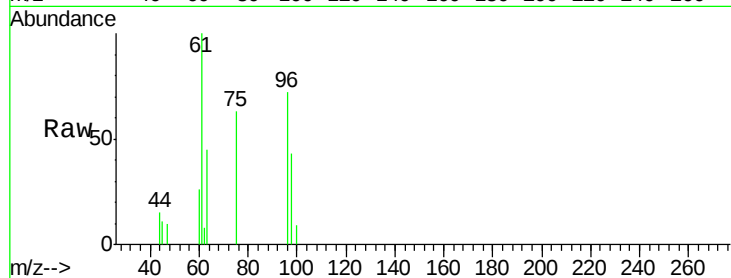
Tot Ion: 96 Resp: 2547

Ion Ratio Lower Upper

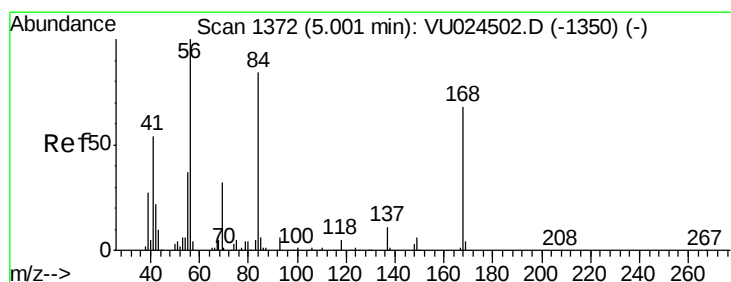
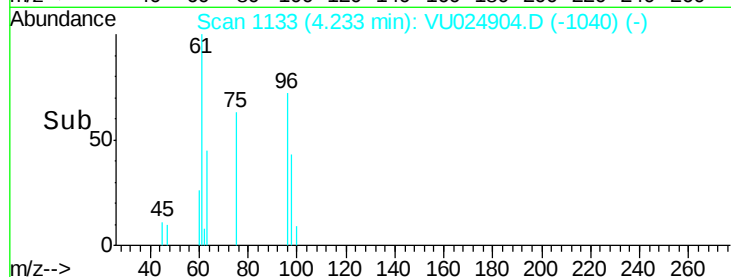
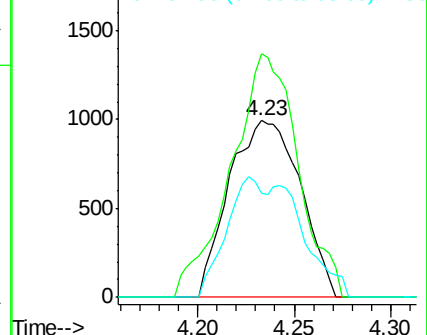
96 100

61 129.2 0.0 306.6

98 37.7 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: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024904.D

Acq: 26 Jun 2018 03:26

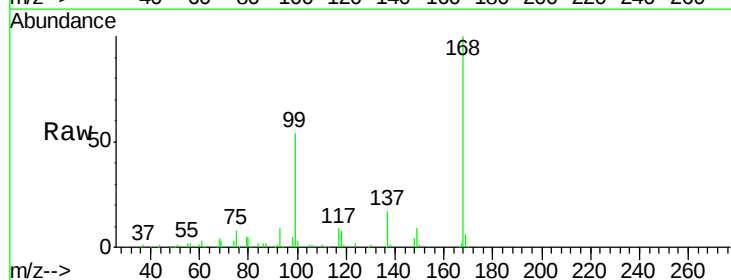
Tgt Ion: 56 Resp: 4584

Ion Ratio Lower Upper

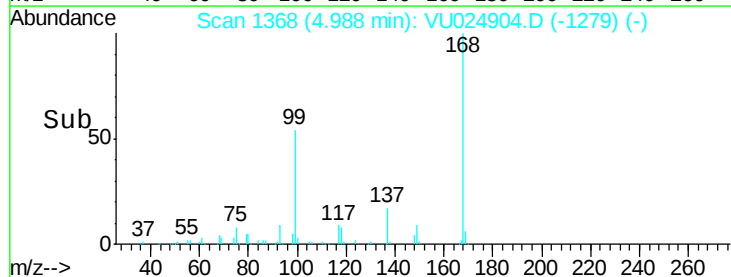
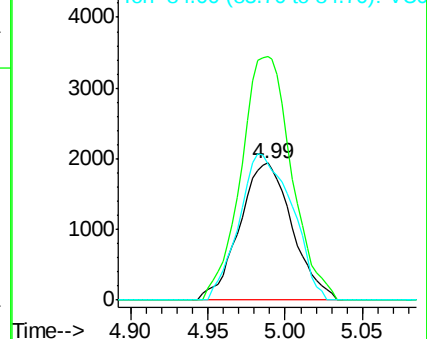
56 100

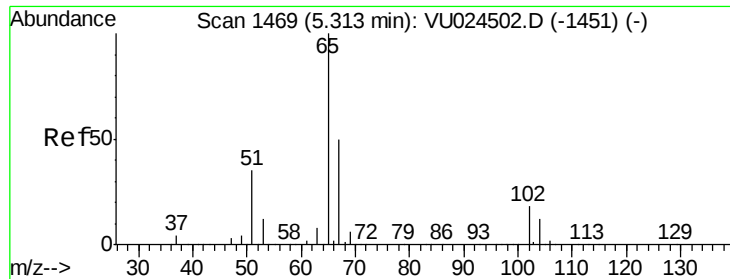
69 178.0 24.8 37.2#

84 99.9 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: 45.31 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024904.D

Acq: 26 Jun 2018 03:26

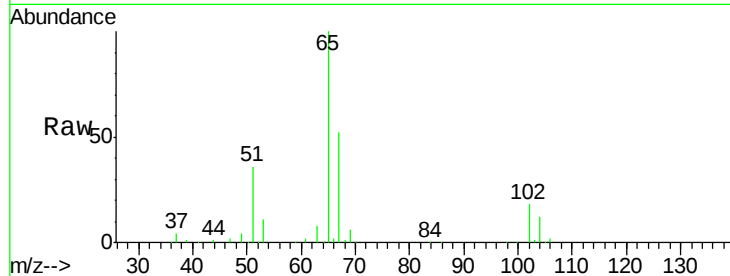
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 65 Resp: 166484

Ion Ratio Lower Upper

65 100

67 51.9 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024904.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024904.D (-1376) (-)

5.31

80000

60000

40000

20000

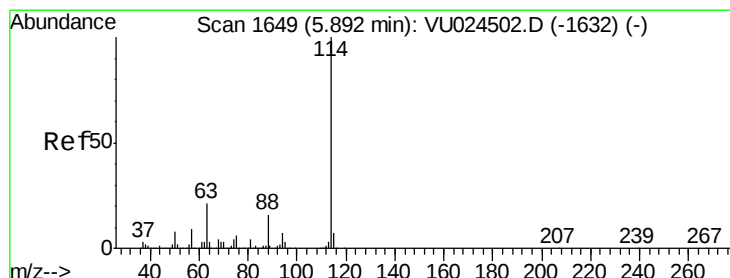
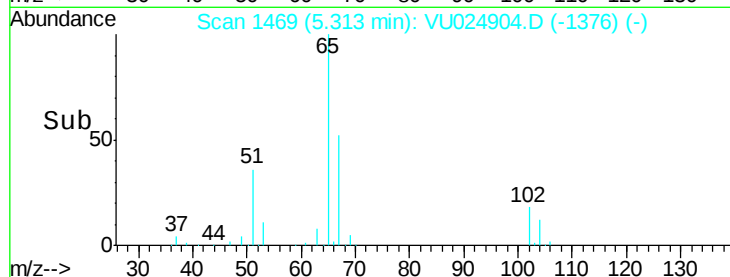
0

Time-->

5.20

5.30

5.40



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024904.D

Acq: 26 Jun 2018 03:26

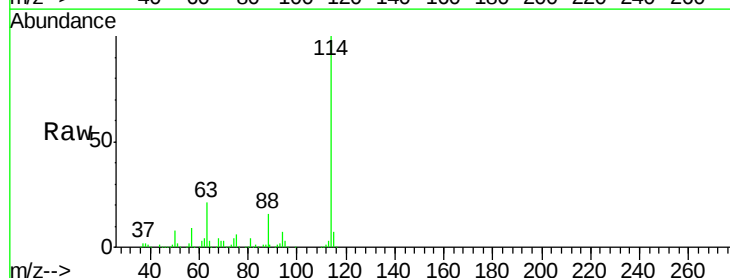
Tgt Ion: 114 Resp: 339216

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.4

88 16.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024904.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU024904.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU024904.D (-1556) (-)

5.89

200000

150000

100000

50000

0

Time-->

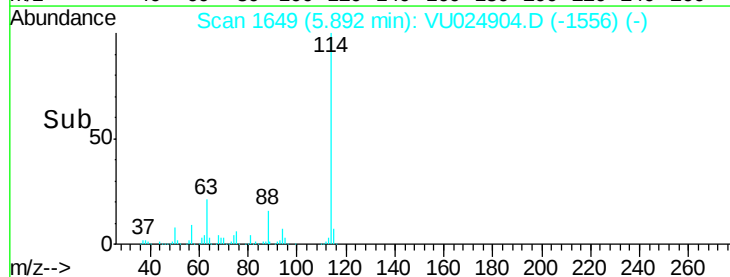
5.80

5.85

5.90

5.95

6.00

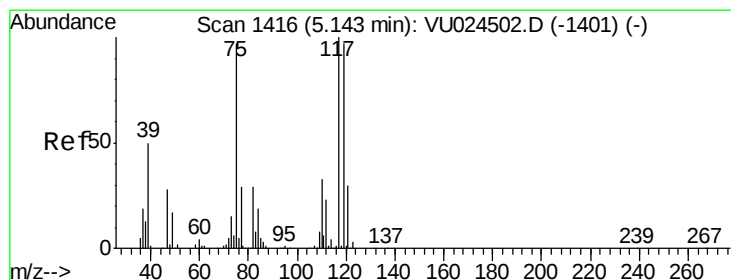
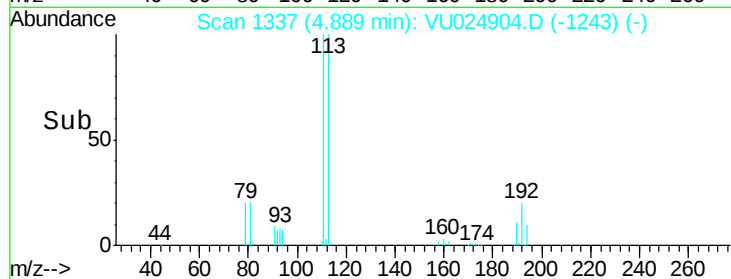
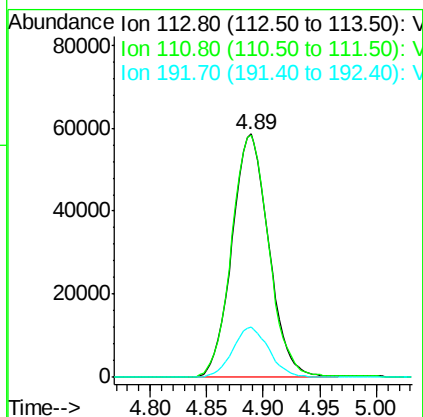
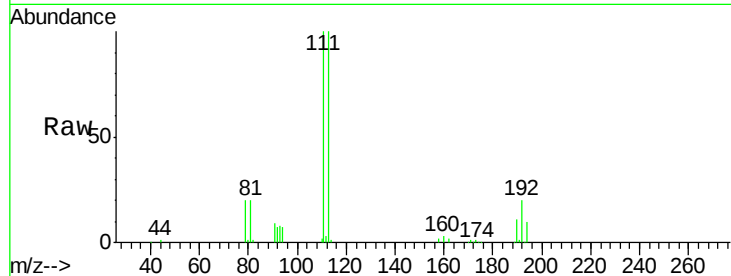




#35
 Dibromofluoromethane
 Concen: 47.26 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024904.D
 Acq: 26 Jun 2018 03:26

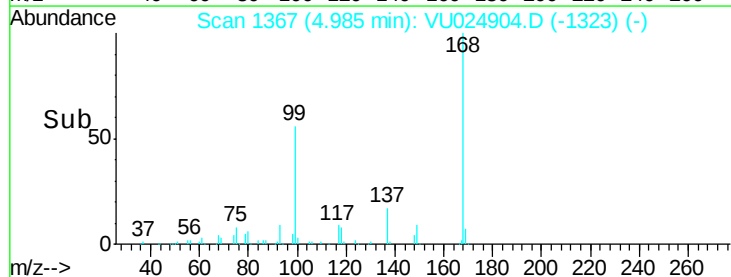
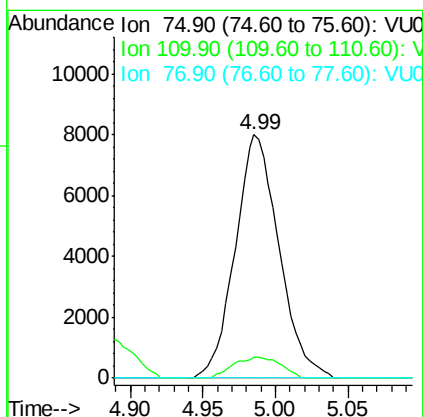
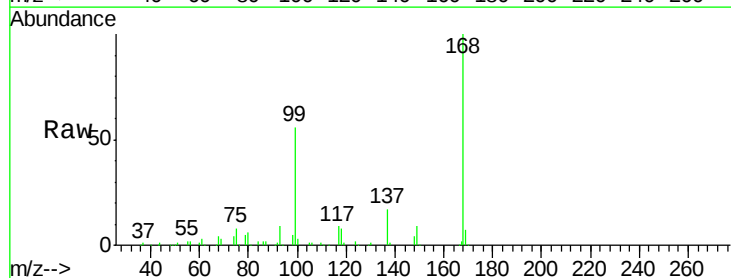
Instrument :
 MSVOA_U
 ClientSampleId :

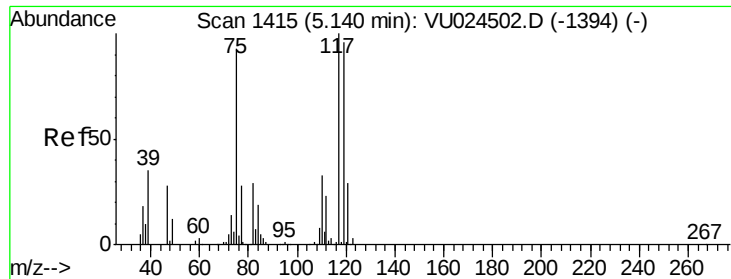
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.2	123.4
192	20.2	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.21 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024904.D
 Acq: 26 Jun 2018 03:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.0	50.9#
77	0.0	24.2	36.4#

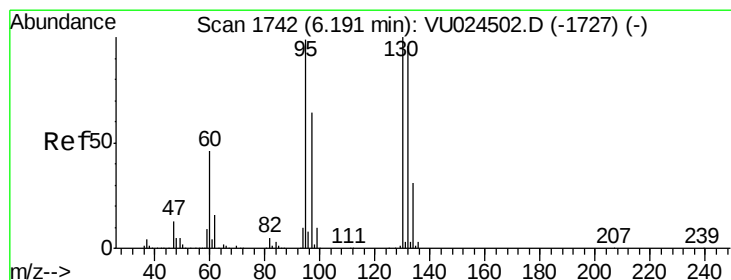
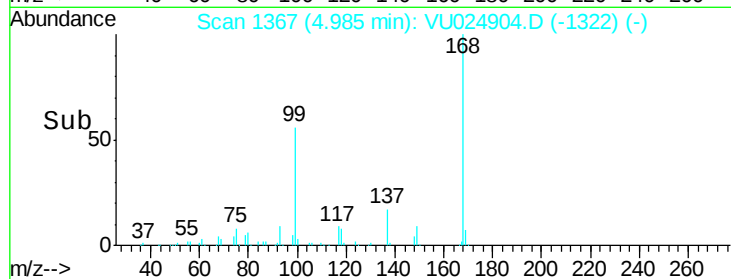
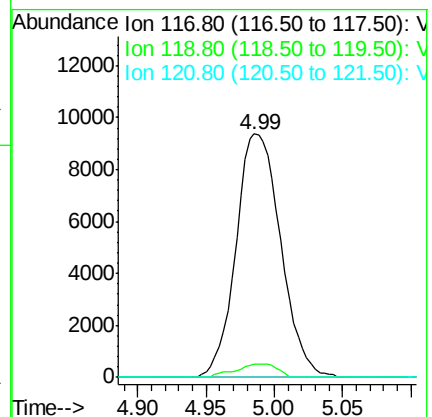
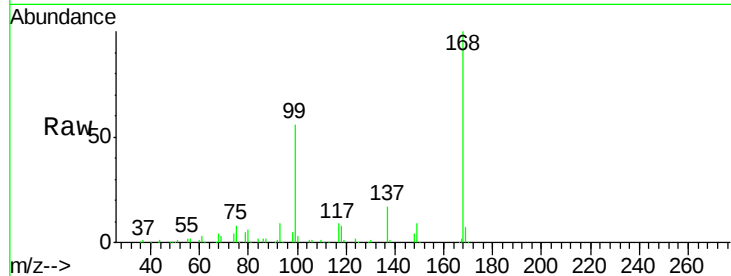




#38
Carbon Tetrachloride
Concen: 4.86 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.15 min
Lab File: VU024904.D
Acq: 26 Jun 2018 03:26

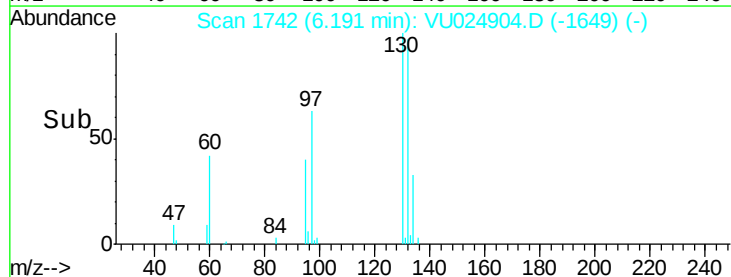
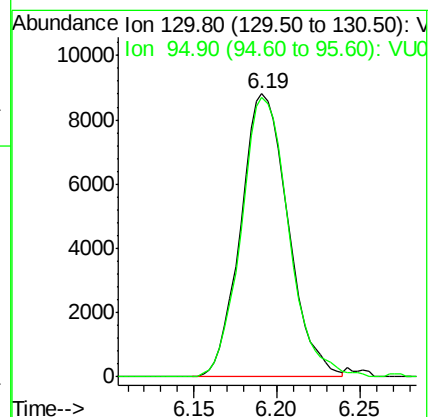
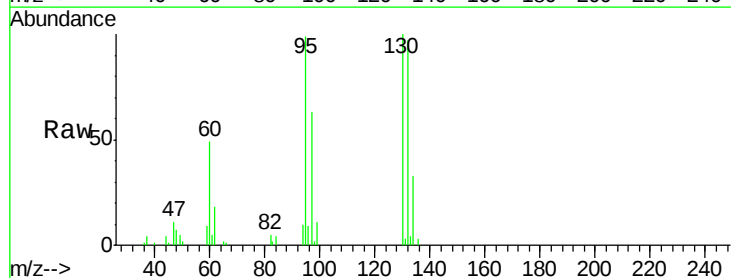
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 21323
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 23.7 35.5#



#44
Trichloroethene
Concen: 5.44 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024904.D
Acq: 26 Jun 2018 03:26

Tgt Ion:130 Resp: 17579
Ion Ratio Lower Upper
130 100
95 98.6 0.0 202.4

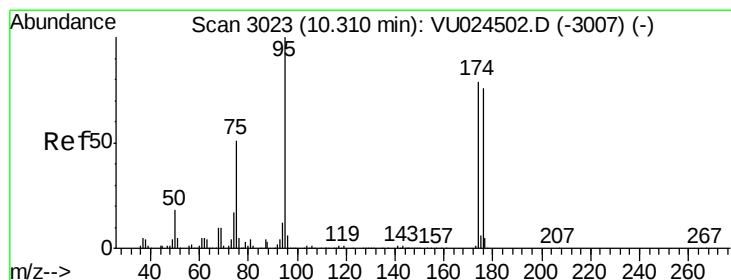
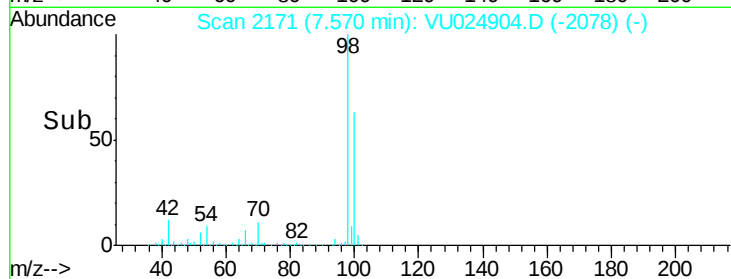
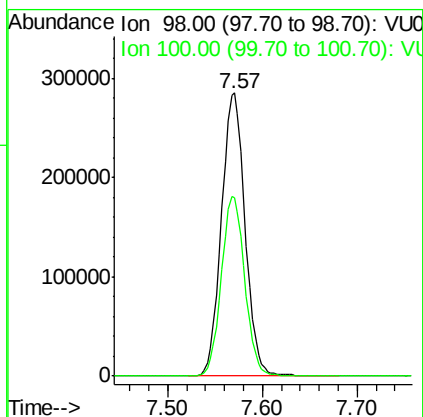
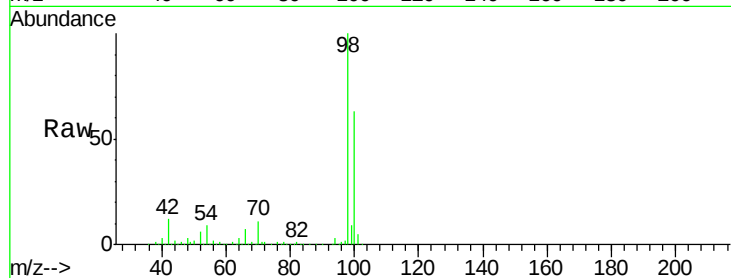




#50
Toluene-d8
Concen: 48.17 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024904.D
Acq: 26 Jun 2018 03:26

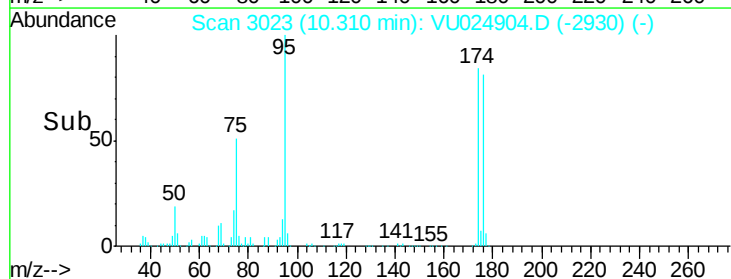
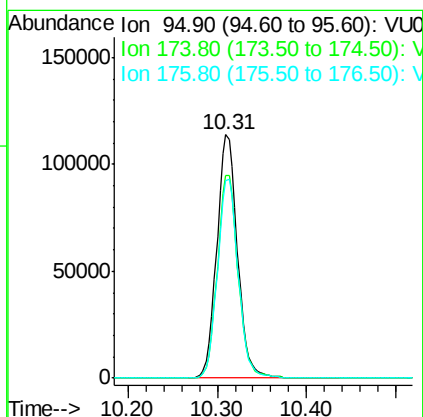
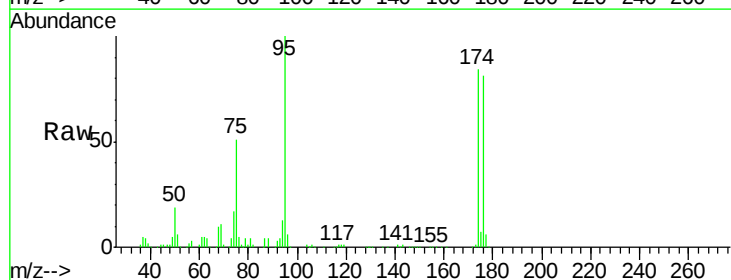
Instrument :
MSVOA_U
ClientSampleId :

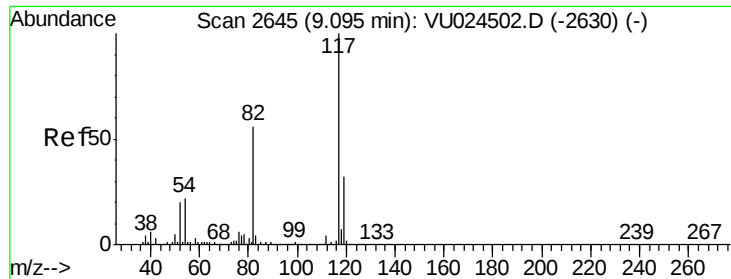
Tot Ion: 98 Resp: 494696
Ion Ratio Lower Upper
98 100
100 63.1 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 44.81 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024904.D
Acq: 26 Jun 2018 03:26

Tgt Ion: 95 Resp: 182687
Ion Ratio Lower Upper
95 100
174 83.3 0.0 165.8
176 81.9 0.0 159.4

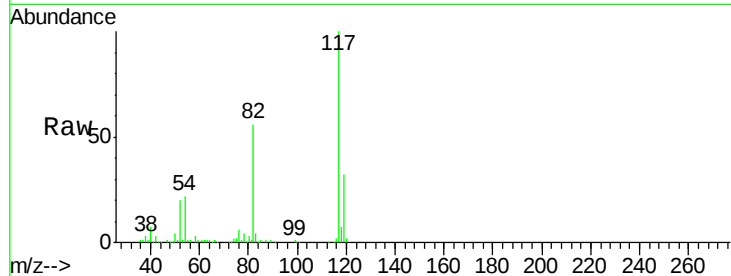




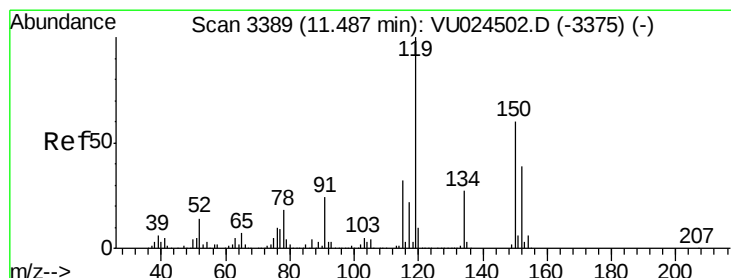
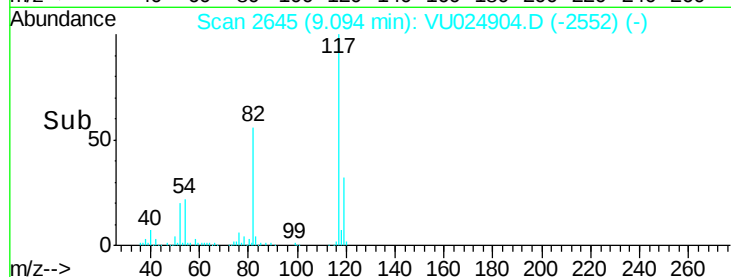
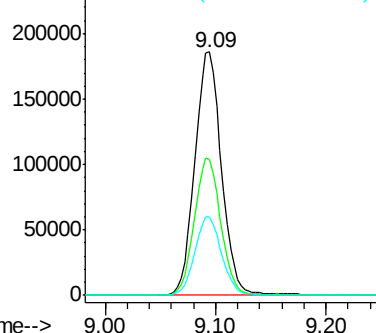
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024904.D
Acq: 26 Jun 2018 03:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 312470
Ion Ratio Lower Upper
117 100
82 55.7 44.3 66.5
119 32.0 25.4 38.2

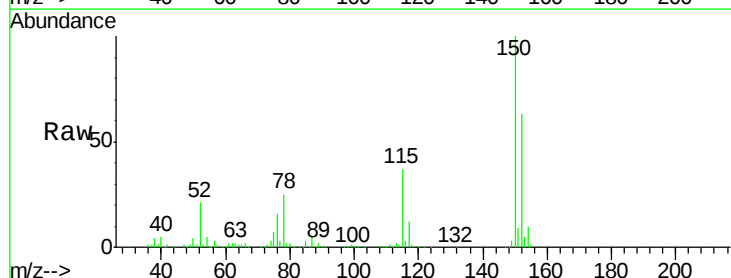


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

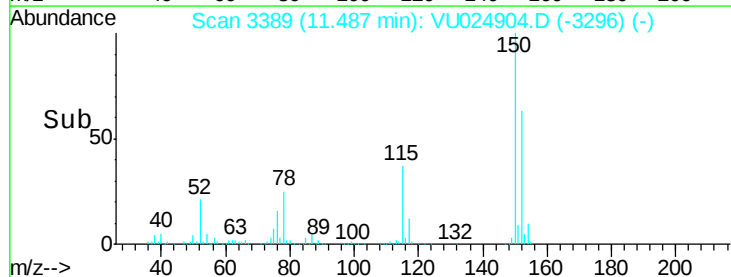
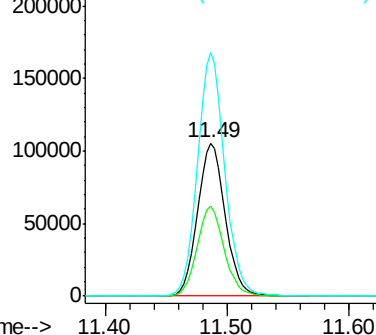


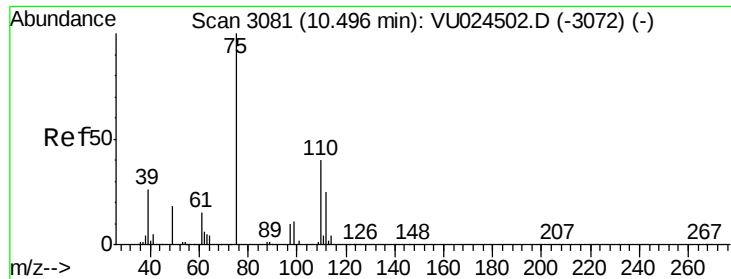
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024904.D
Acq: 26 Jun 2018 03:26

Tgt Ion:152 Resp: 167383
Ion Ratio Lower Upper
152 100
115 57.7 43.0 129.0
150 157.1 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

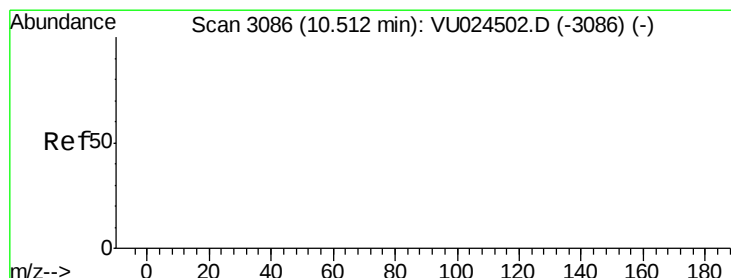
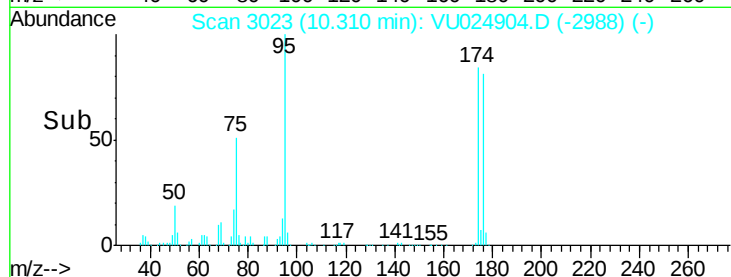
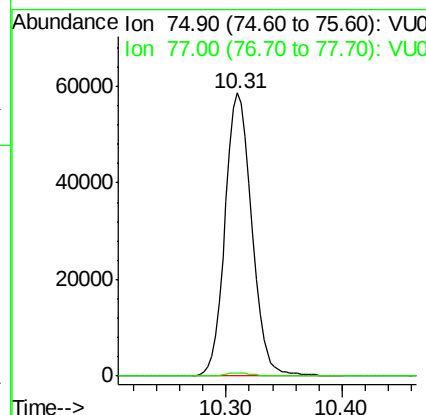
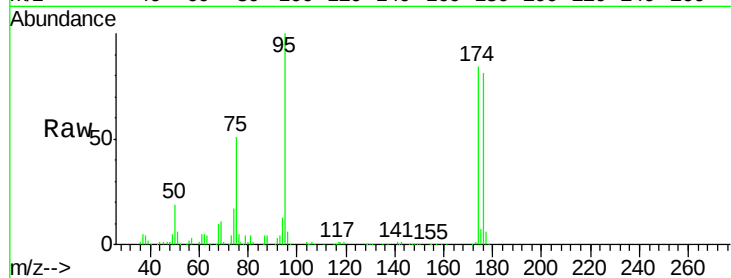




#76
 1,2,3-Trichloropropane
 Concen: 25.40 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024904.D
 Acq: 26 Jun 2018 03:26

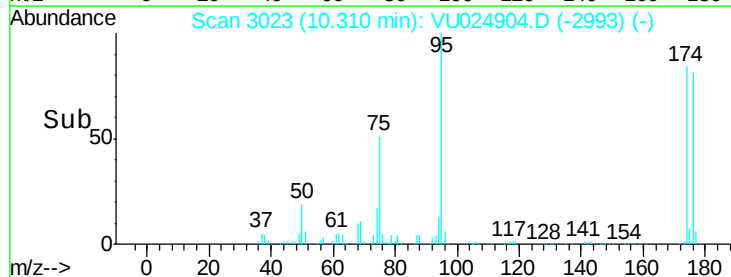
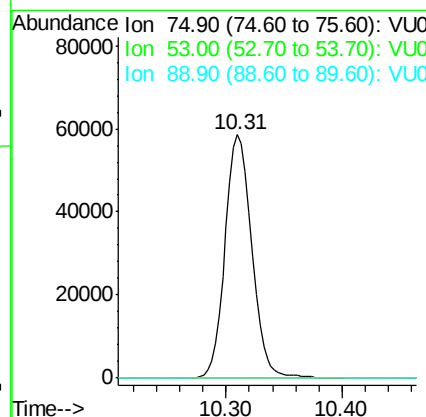
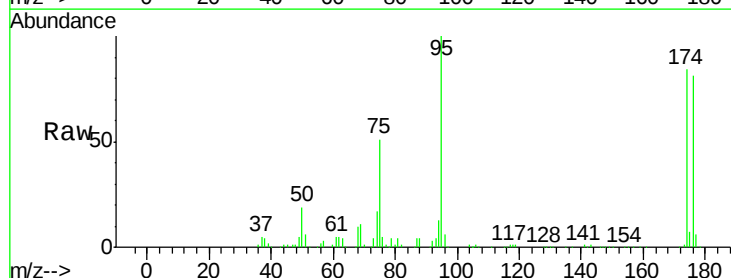
Instrument :
 MSVOA_U
 ClientSampleId :

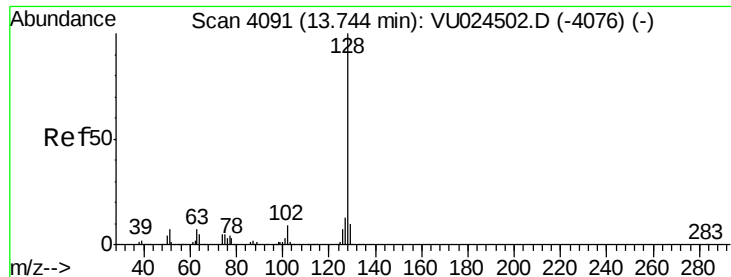
Tot Ion: 75 Resp: 93606
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.79 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024904.D
 Acq: 26 Jun 2018 03:26

Tgt Ion: 75 Resp: 93606
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0#





#95
Naphthalene
Concen: 0.69 ug/l
RT: 13.78 min Scan# 4101
Delta R.T. 0.03 min
Lab File: VU024904.D
Acq: 26 Jun 2018 03:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

