

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025130.D
 Acq On : 01 Jul 2018 09:22
 Operator : MD/SY
 Sample : J3789-07DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-7DL

Quant Time: Jul 02 05:49:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	209308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	314930	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	289554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	148995	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	158994	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
35) Dibromofluoromethane	4.89	113	122957	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
50) Toluene-d8	7.57	98	447988	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
62) 4-Bromofluorobenzene	10.31	95	166121	43.89	ug/l	0.00
Spiked Amount			Recovery	=	87.78%	

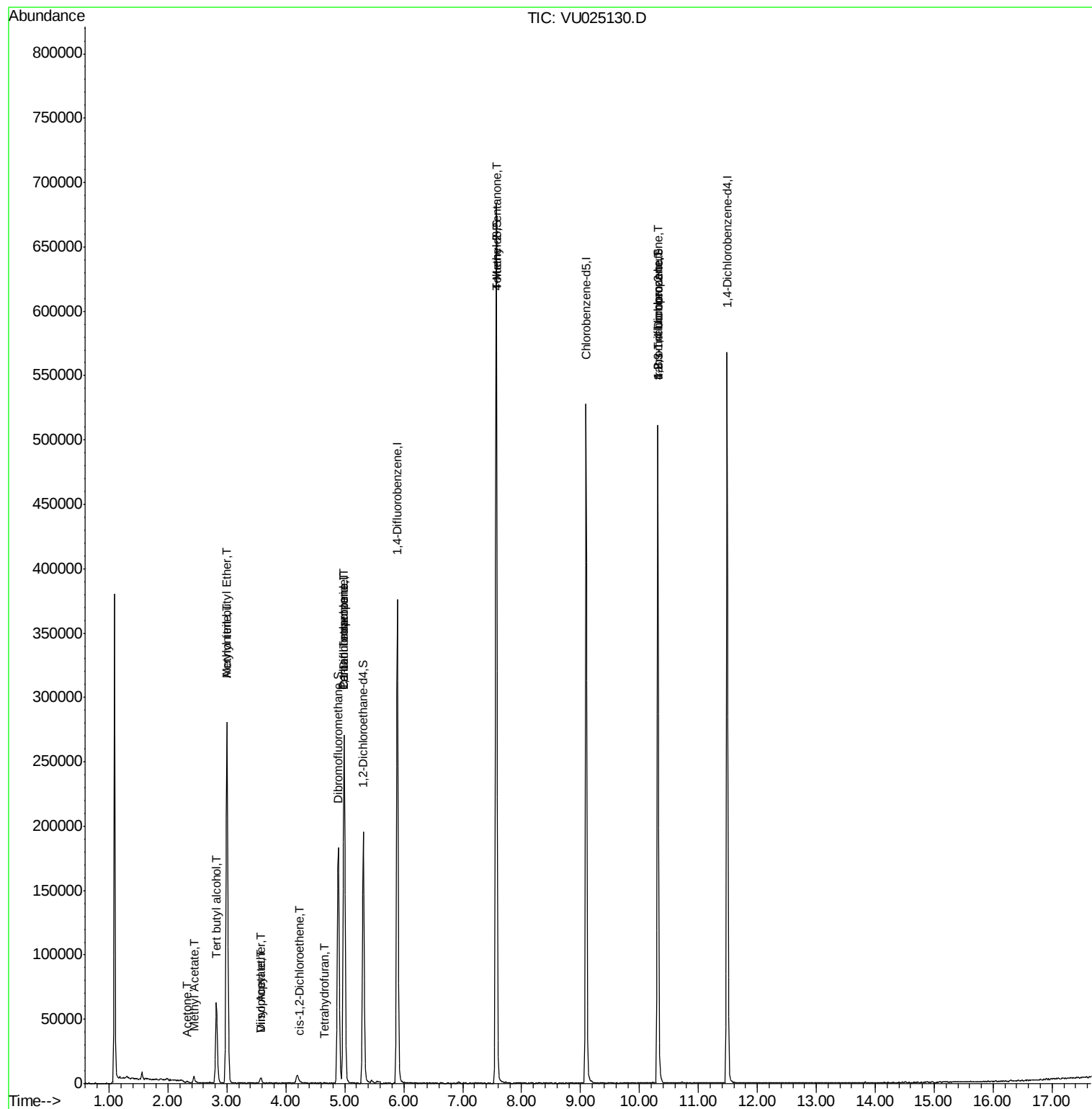
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	19	Below Cal	#	43
11) Tert butyl alcohol	2.82	59	73497	88.439	ug/l	100
15) Acrylonitrile	3.00	53	2820	1.744	ug/l #	26
16) Acetone	2.33	43	1133	0.617	ug/l #	88
18) Methyl Acetate	2.44	43	1293	0.329	ug/l #	53
19) Methyl tert-butyl Ether	3.00	73	298630	33.334	ug/l	96
22) Diisopropyl ether	3.57	45	4650	0.530	ug/l	96
23) Vinyl Acetate	3.58	43	2546	0.324	ug/l #	73
27) cis-1,2-Dichloroethene	4.24	96	639	0.212	ug/l	52
29) Tetrahydrofuran	4.65	42	317	0.208	ug/l #	34
31) Cyclohexane	4.99	56	4144	Below Cal	#	5
36) 1,1-Dichloropropene	4.99	75	15034	4.063	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20279	4.983	ug/l #	16
51) 4-Methyl-2-Pentanone	7.57	43	1979	0.452	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	87543	26.687	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	87543	61.765	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: VU025130.D

Acq: 01 Jul 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

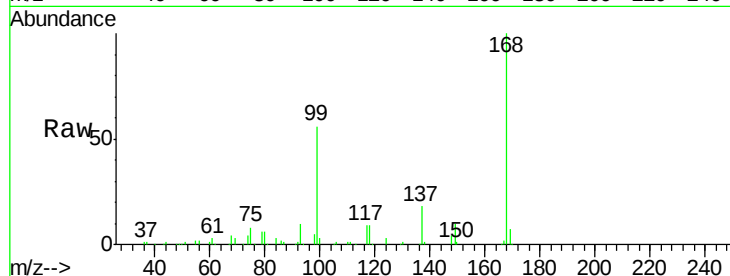
MW-7DL

Tgt Ion:168 Resp: 209308

Ion Ratio Lower Upper

168 100

99 55.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

100000

80000

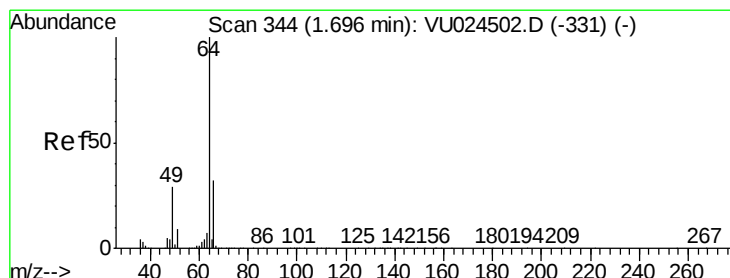
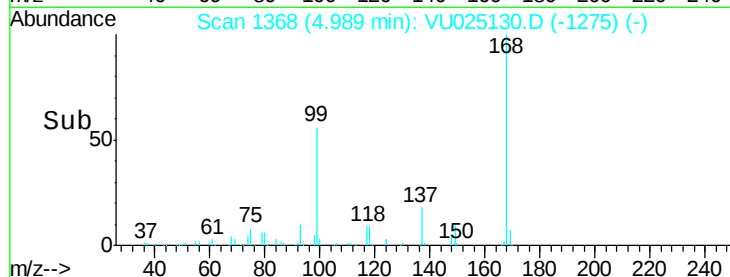
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU025130.D

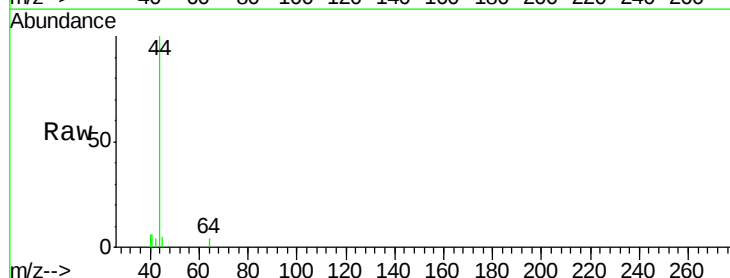
Acq: 01 Jul 2018 09:22

Tgt Ion: 64 Resp: 19

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

1.70

120

100

80

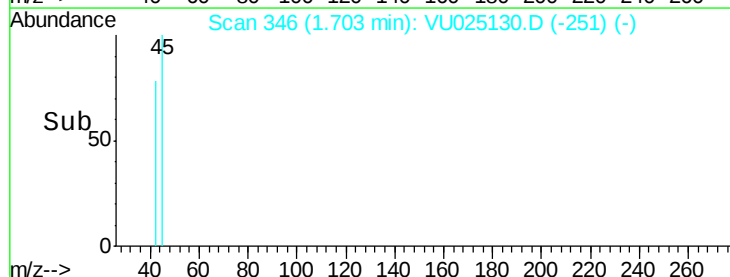
60

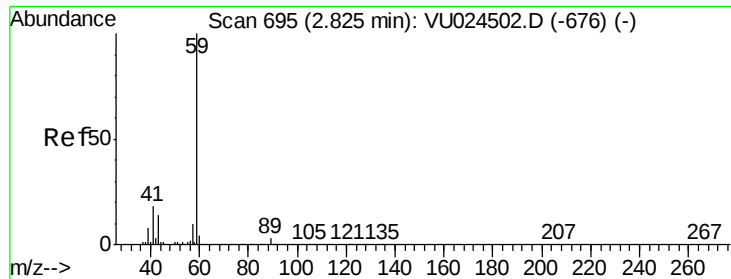
40

20

0

Time-->

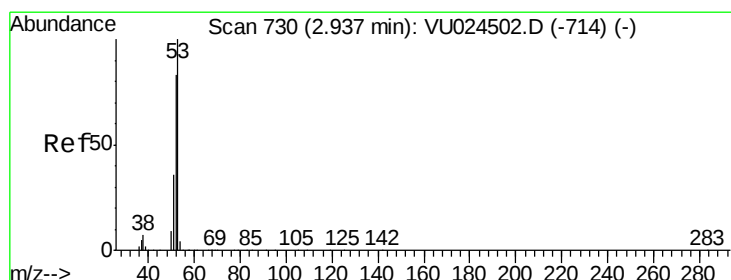
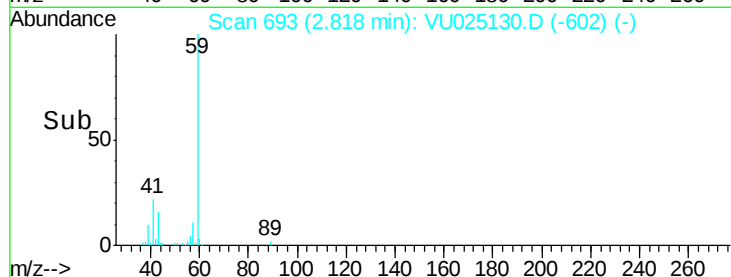
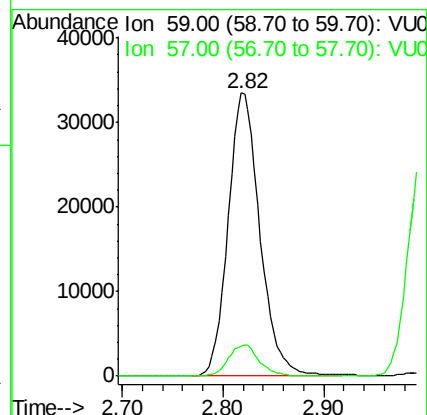
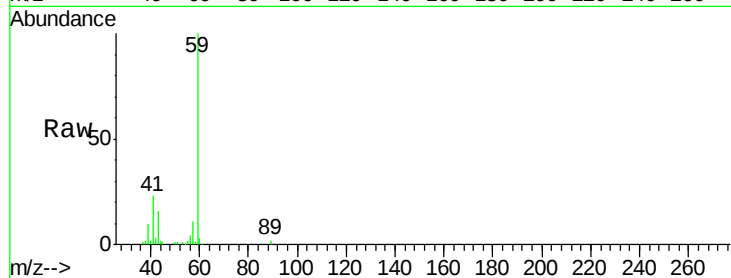




#11
Tert butyl alcohol
Concen: 88.439 ug/l
RT: 2.82 min Scan# 693
Delta R.T. -0.01 min
Lab File: VU025130.D
Acq: 01 Jul 2018 09:22

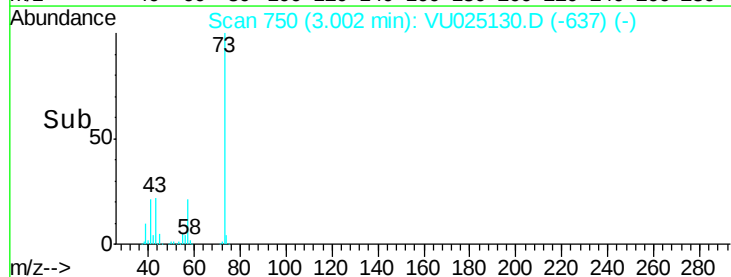
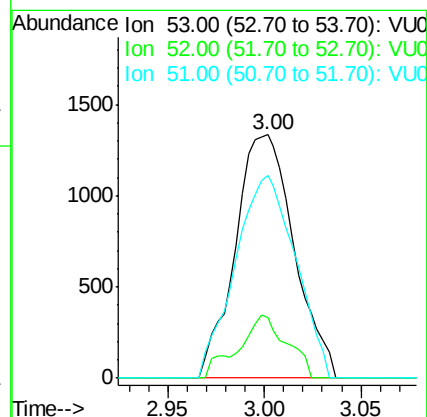
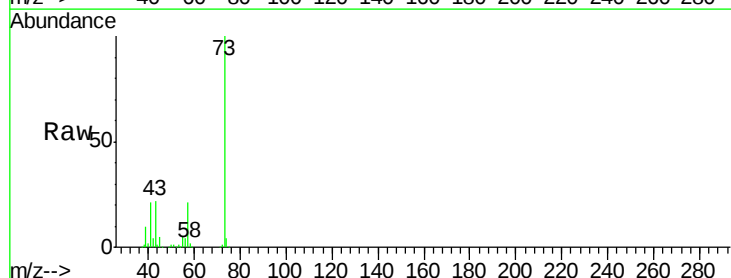
Instrument :
MSVOA_U
ClientSampled :
MW-7DL

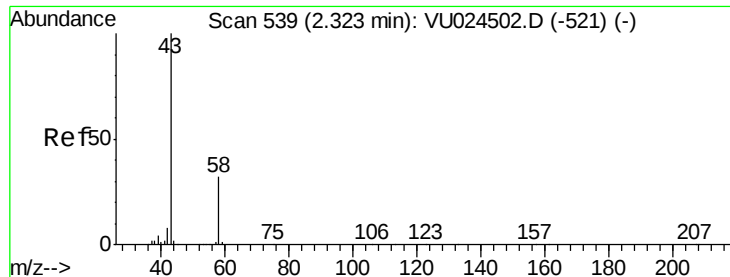
Tgt Ion: 59 Resp: 73497
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7



#15
Acrylonitrile
Concen: 1.744 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.06 min
Lab File: VU025130.D
Acq: 01 Jul 2018 09:22

Tgt Ion: 53 Resp: 2820
Ion Ratio Lower Upper
53 100
52 21.2 67.1 100.7#
51 85.3 28.4 42.6#





#16

Acetone

Concen: 0.617 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025130.D

Acq: 01 Jul 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

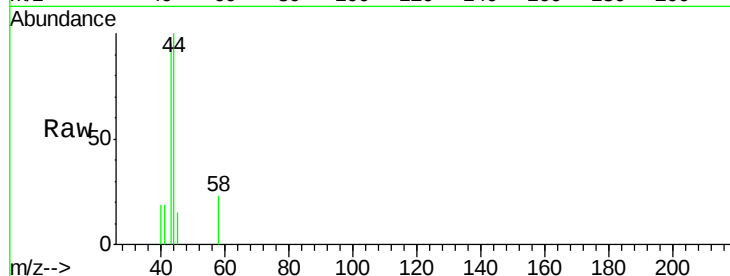
MW-7DL

Tgt Ion: 43 Resp: 1133

Ion Ratio Lower Upper

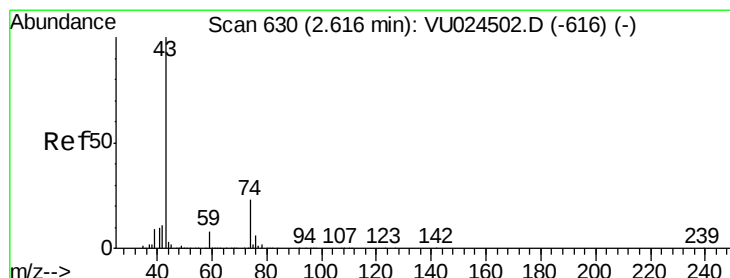
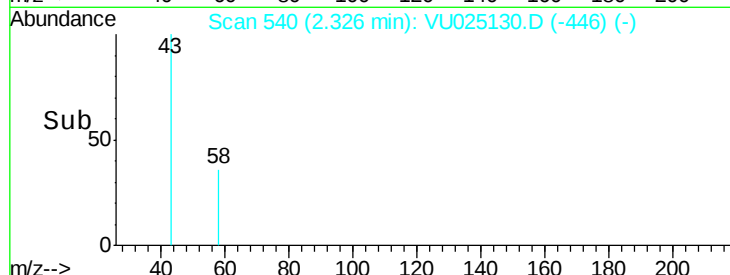
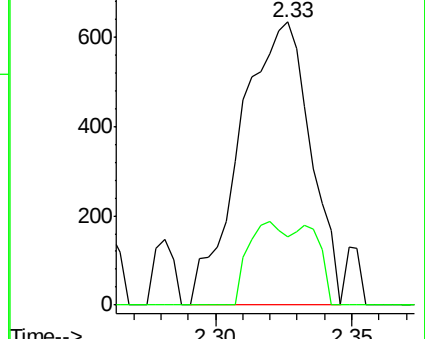
43 100

58 24.2 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.329 ug/l

RT: 2.44 min Scan# 575

Delta R.T. -0.18 min

Lab File: VU025130.D

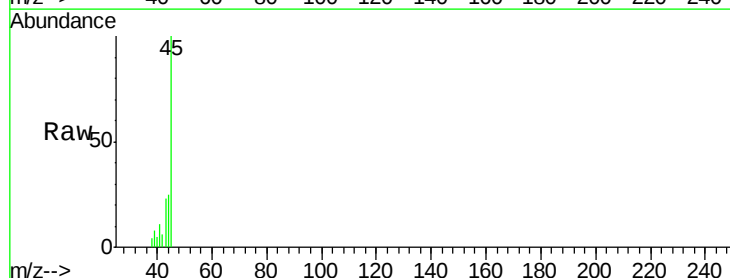
Acq: 01 Jul 2018 09:22

Tgt Ion: 43 Resp: 1293

Ion Ratio Lower Upper

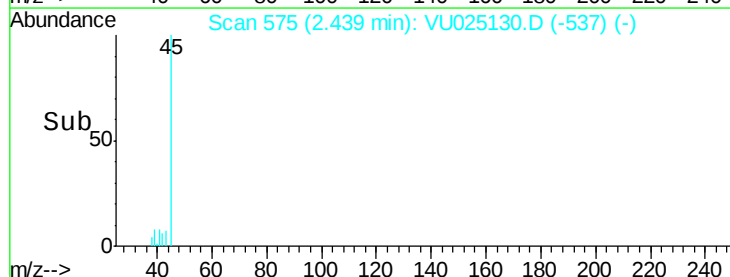
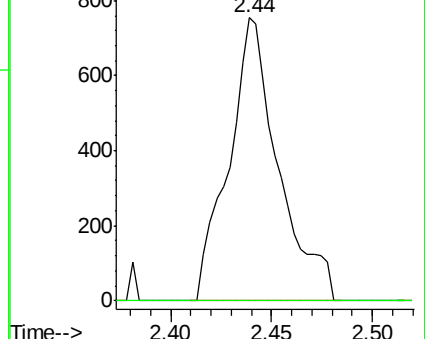
43 100

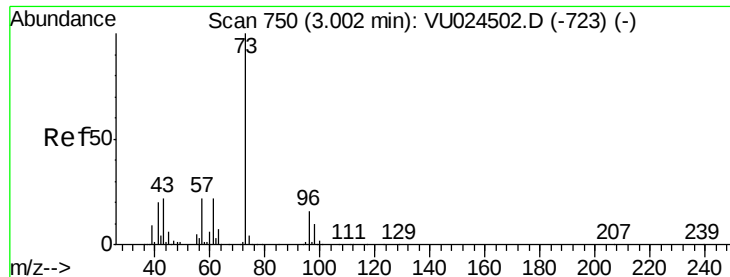
74 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



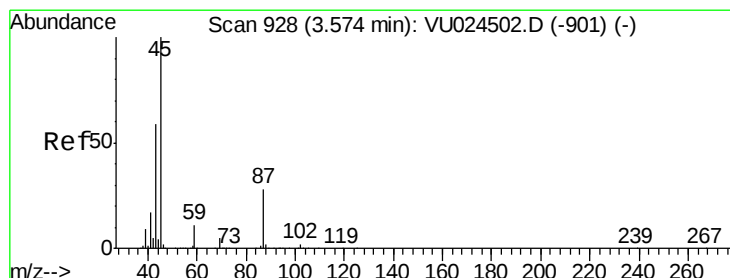
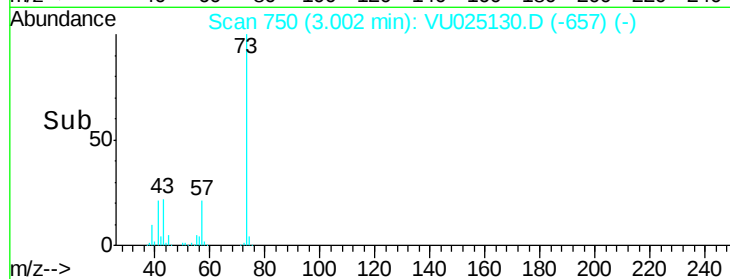
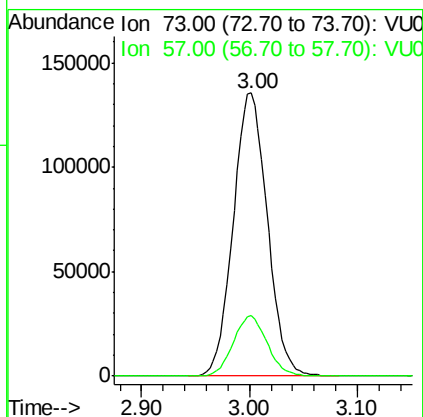
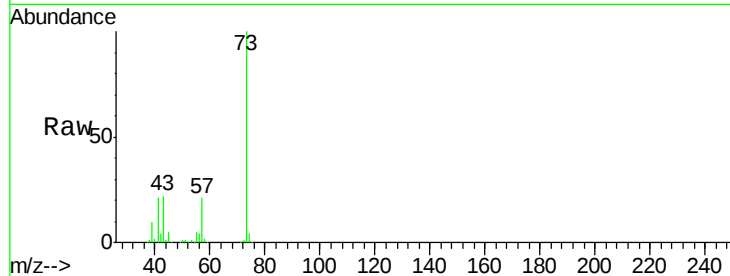


#19

Methyl tert-butyl Ether
 Concen: 33.334 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025130.D
 Acq: 01 Jul 2018 09:22

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-7DL

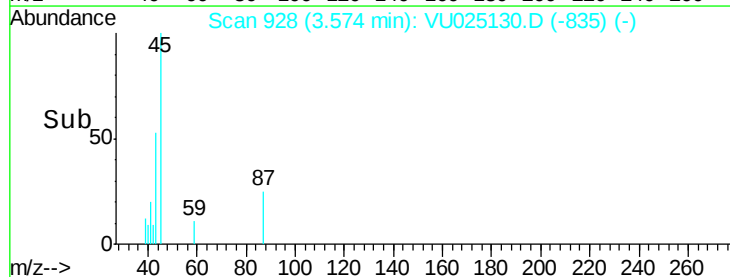
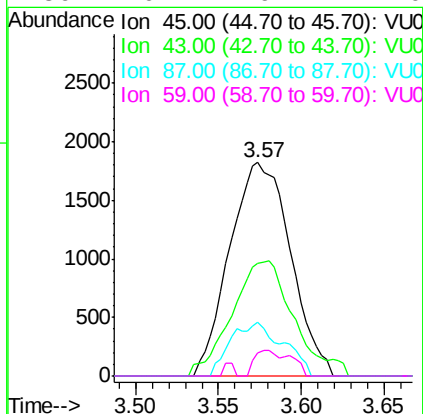
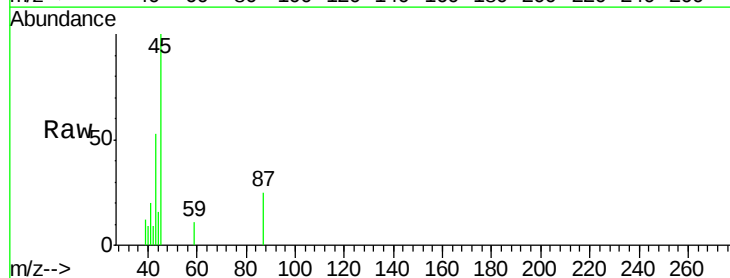
Tgt Ion: 73 Resp: 298630
 Ion Ratio Lower Upper
 73 100
 57 21.4 18.8 28.2

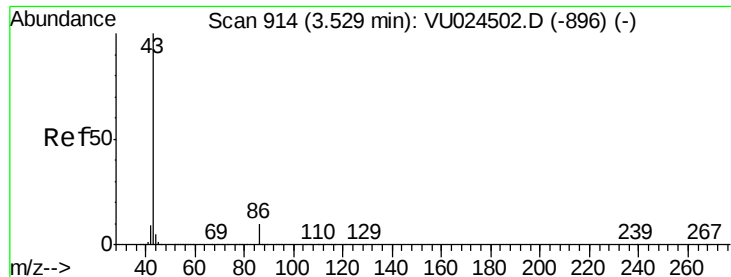


#22

Diisopropyl ether
 Concen: 0.530 ug/l
 RT: 3.57 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VU025130.D
 Acq: 01 Jul 2018 09:22

Tgt Ion: 45 Resp: 4650
 Ion Ratio Lower Upper
 45 100
 43 53.0 45.8 68.6
 87 25.3 20.6 31.0
 59 10.7 9.4 14.0





#23

Vinyl Acetate

Concen: 0.324 ug/l

RT: 3.58 min Scan# 930

Delta R.T. 0.05 min

Lab File: VU025130.D

Acq: 01 Jul 2018 09:22

Instrument :

MSVOA_U

ClientSampled :

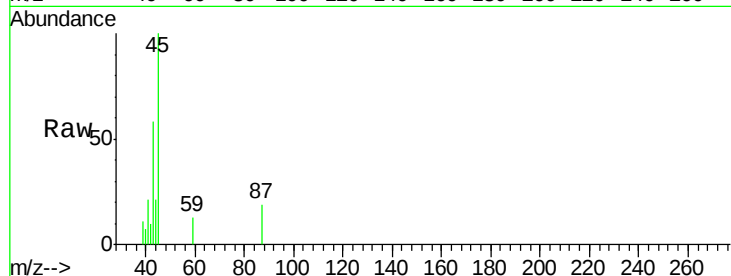
MW-7DL

Tgt Ion: 43 Resp: 2546

Ion Ratio Lower Upper

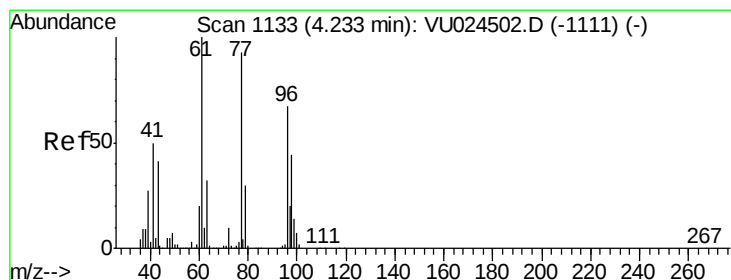
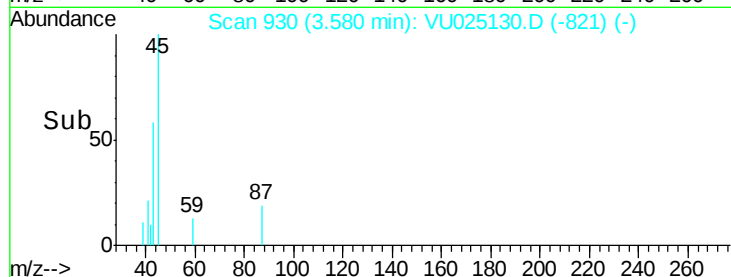
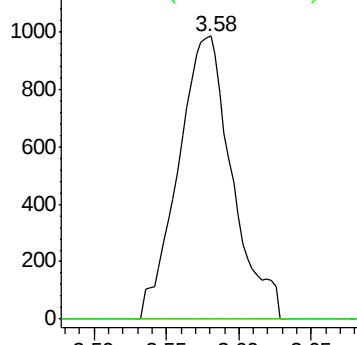
43 100

86 0.0 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 0.212 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU025130.D

Acq: 01 Jul 2018 09:22

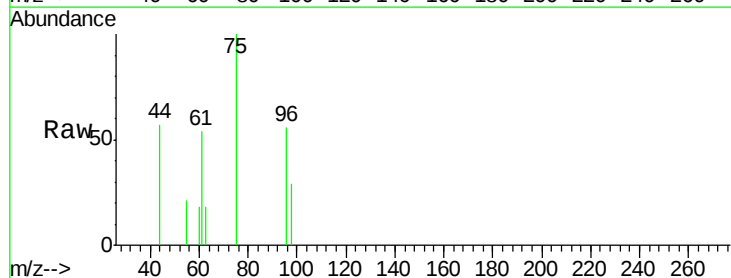
Tgt Ion: 96 Resp: 639

Ion Ratio Lower Upper

96 100

61 84.0 0.0 306.6

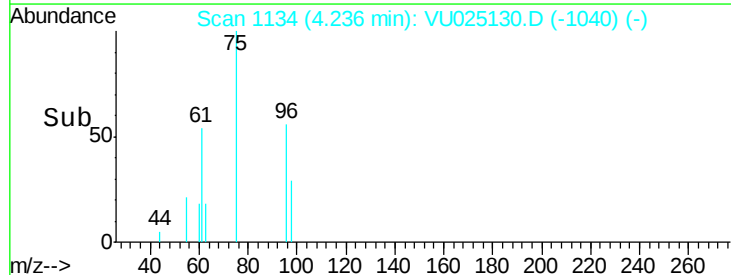
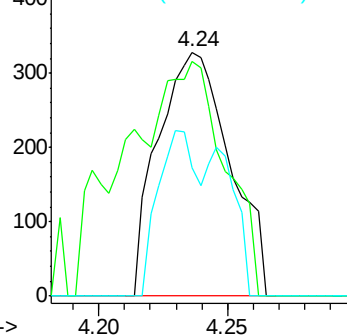
98 36.6 0.0 128.8

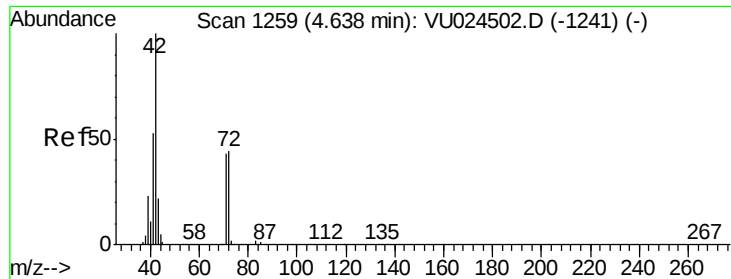


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 4.65 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VU025130.D

Acq: 01 Jul 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

MW-7DL

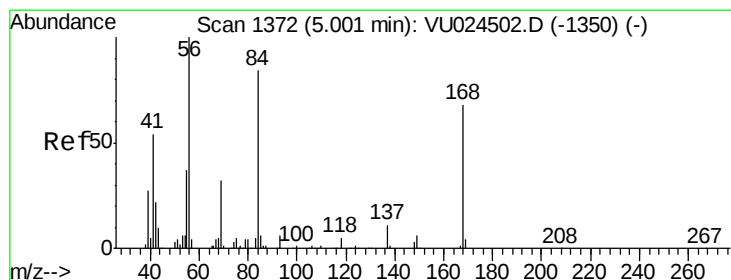
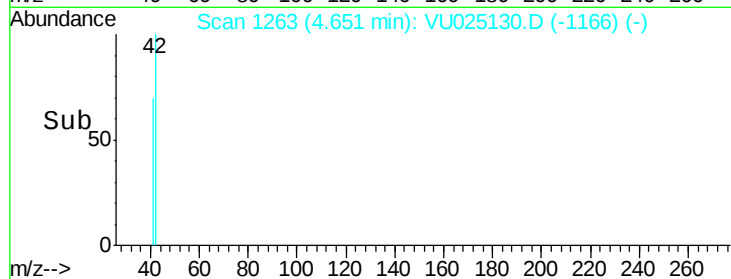
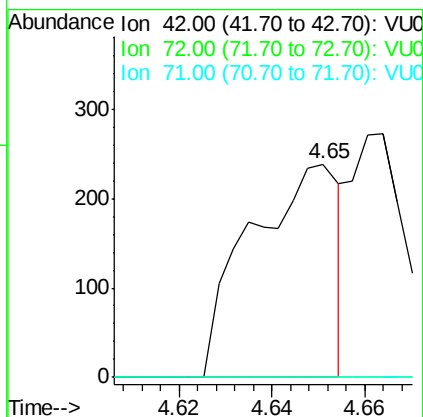
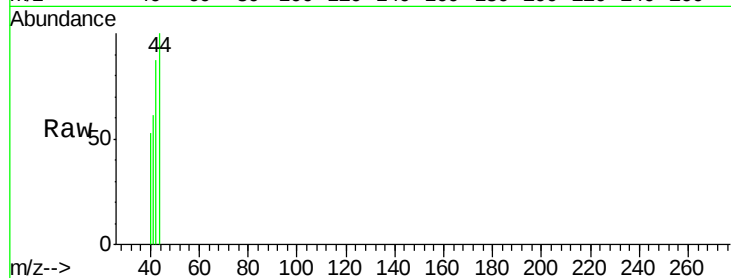
Tgt Ion: 42 Resp: 317

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VU025130.D

Acq: 01 Jul 2018 09:22

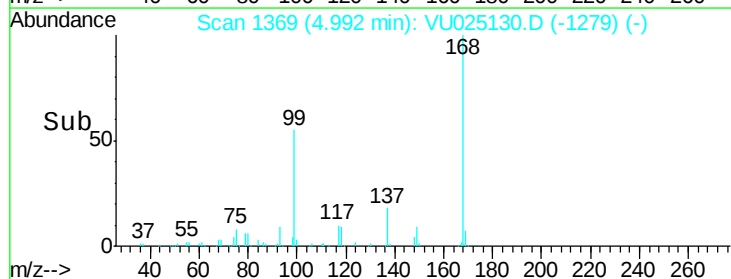
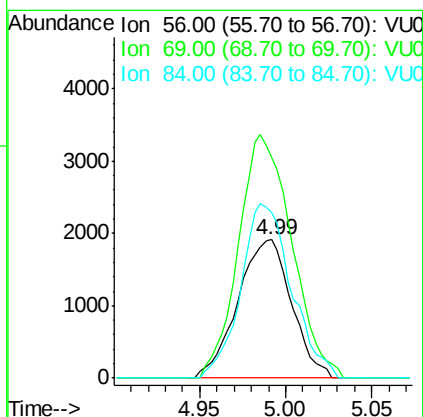
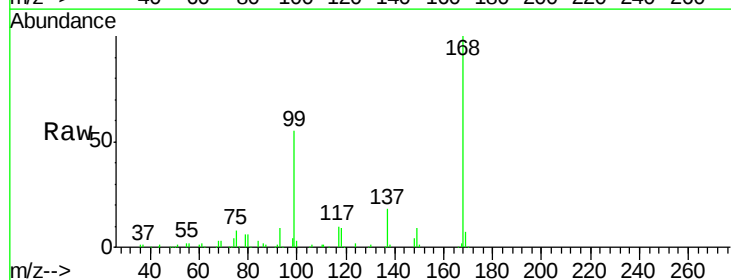
Tgt Ion: 56 Resp: 4144

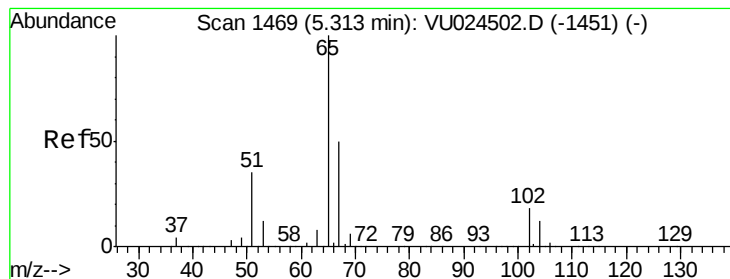
Ion Ratio Lower Upper

56 100

69 159.7 24.8 37.2#

84 119.4 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: 46.530 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025130.D

Acq: 01 Jul 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

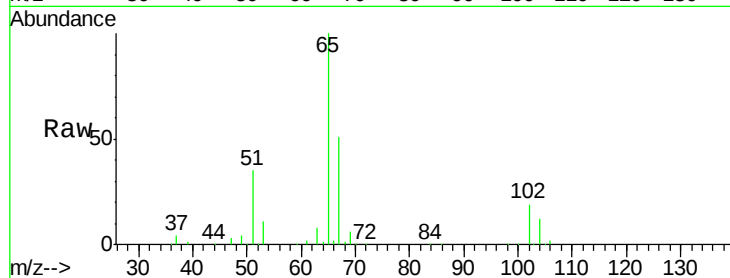
MW-7DL

Tgt Ion: 65 Resp: 158994

Ion Ratio Lower Upper

65 100

67 50.4 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU025130.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025130.D (-1376) (-)

5.31

80000

60000

40000

20000

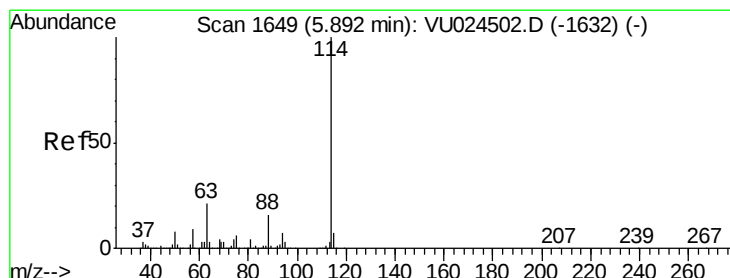
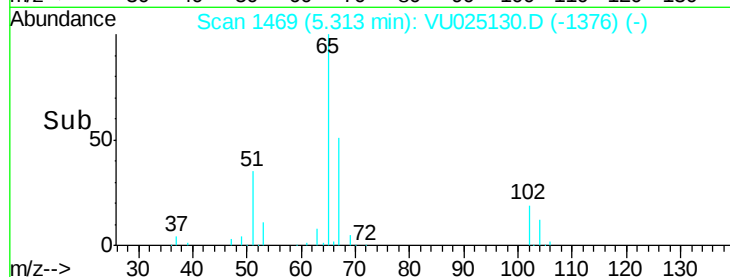
0

Time-->

5.20

5.30

5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025130.D

Acq: 01 Jul 2018 09:22

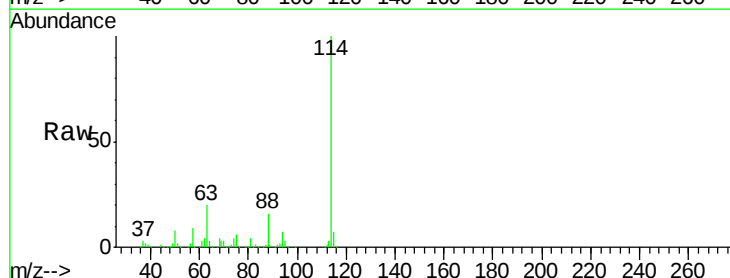
Tgt Ion: 114 Resp: 314930

Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.4

88 15.8 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU025130.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU025130.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU025130.D (-1556) (-)

5.89

200000

150000

100000

50000

0

Time-->

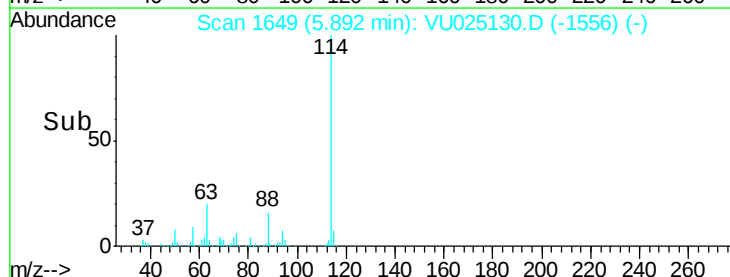
5.80

5.85

5.90

5.95

6.00





#35

Dibromofluoromethane

Concen: 47.044 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025130.D

Acq: 01 Jul 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

MW-7DL

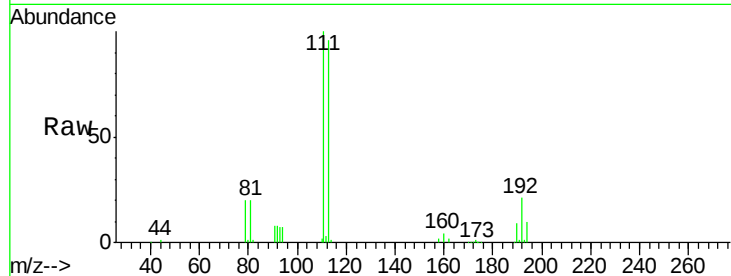
Tgt Ion:113 Resp: 122957

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

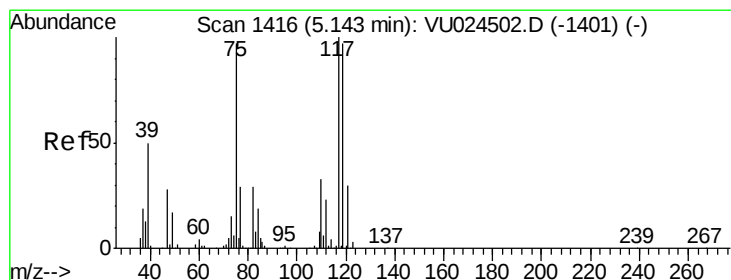
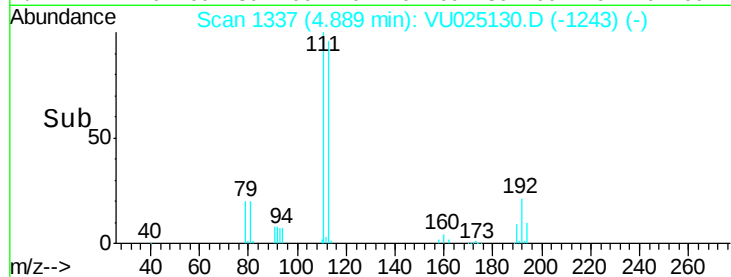
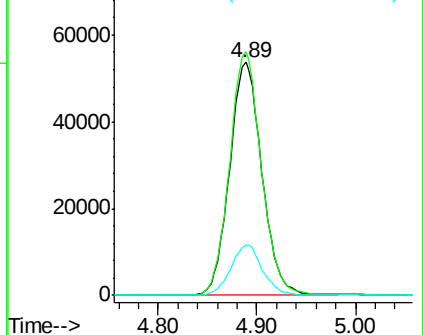
192 21.1 16.2 24.4



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: 4.063 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025130.D

Acq: 01 Jul 2018 09:22

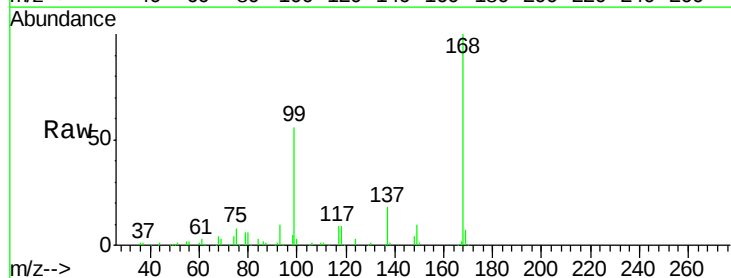
Tgt Ion: 75 Resp: 15034

Ion Ratio Lower Upper

75 100

110 8.8 17.0 50.9#

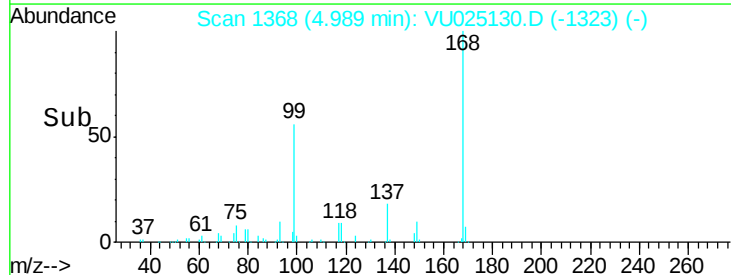
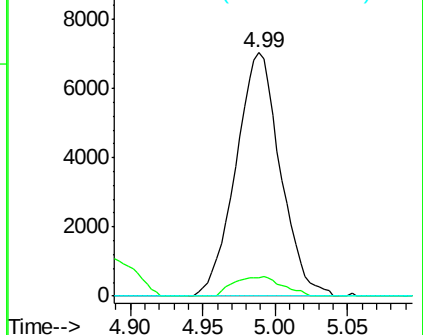
77 0.0 24.2 36.4#

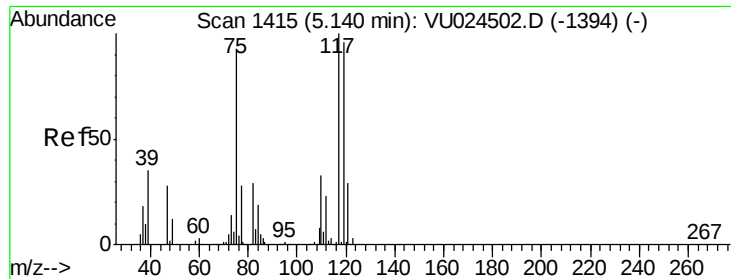


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.983 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025130.D

Acq: 01 Jul 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

MW-7DL

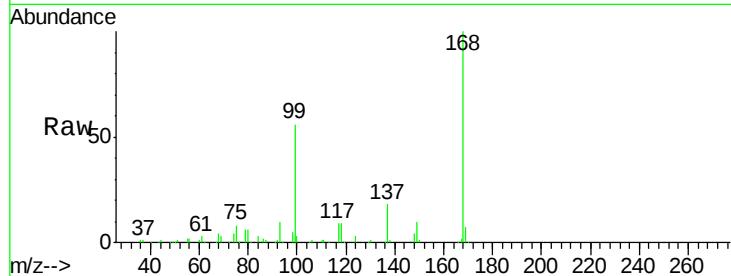
Tgt Ion:117 Resp: 20279

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

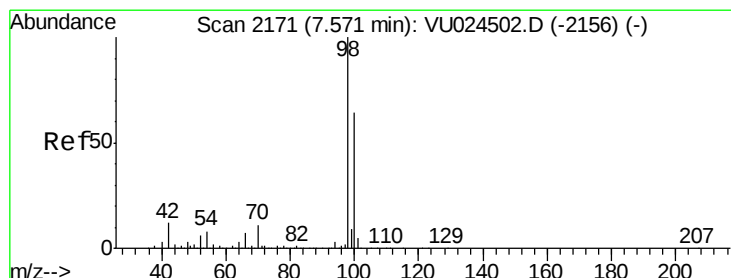
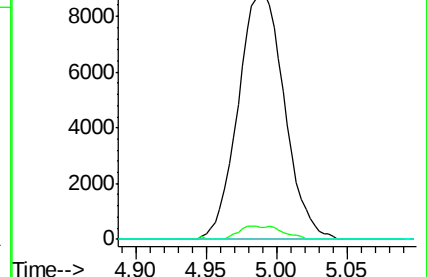
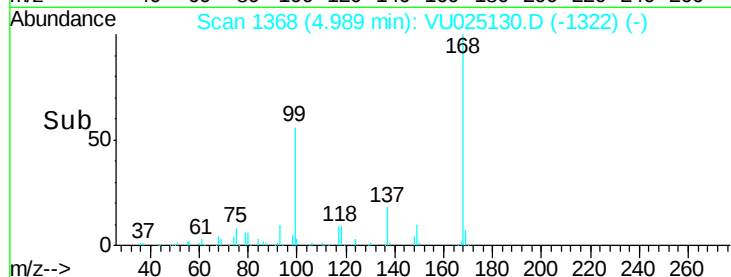
121 0.0 23.7 35.5#



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: 46.990 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025130.D

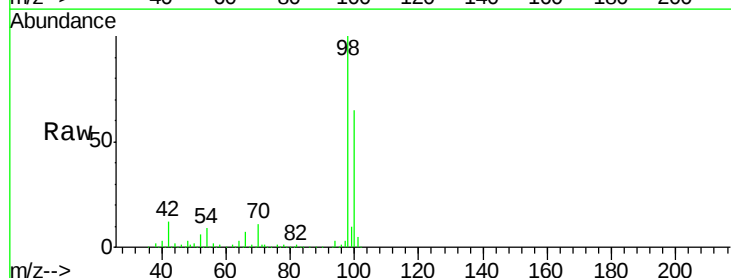
Acq: 01 Jul 2018 09:22

Tgt Ion: 98 Resp: 447988

Ion Ratio Lower Upper

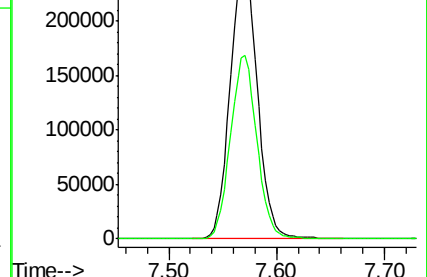
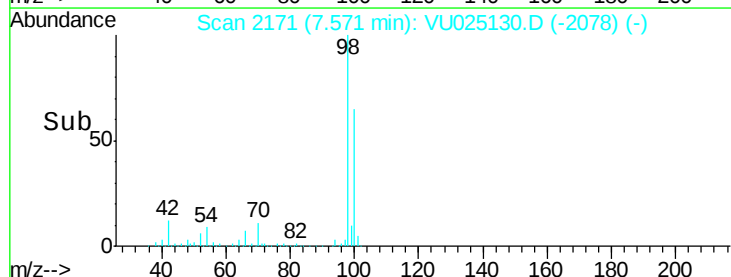
98 100

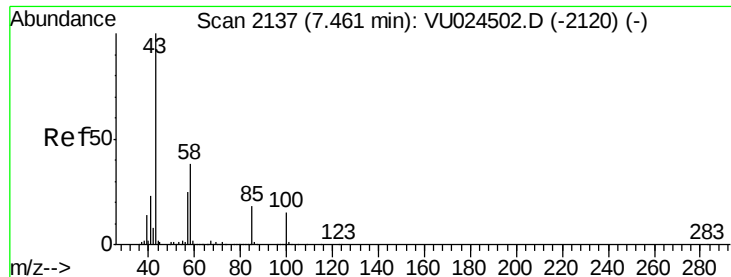
100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

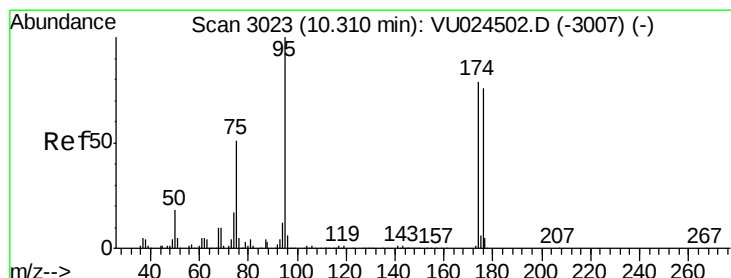
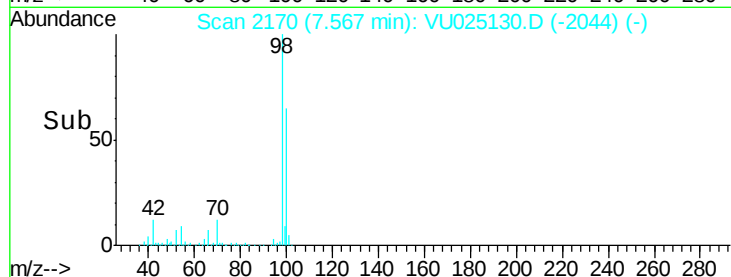
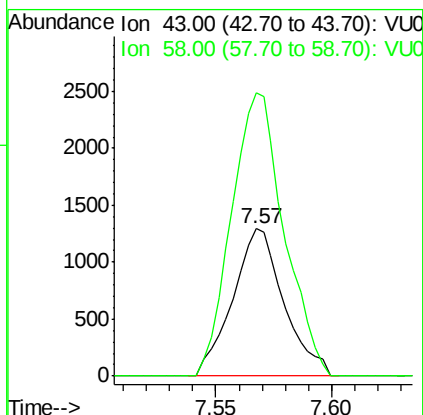
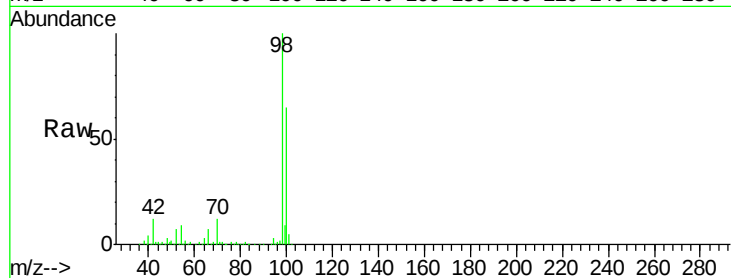




#51
 4-Methyl-2-Pentanone
 Concen: 0.452 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.11 min
 Lab File: VU025130.D
 Acq: 01 Jul 2018 09:22

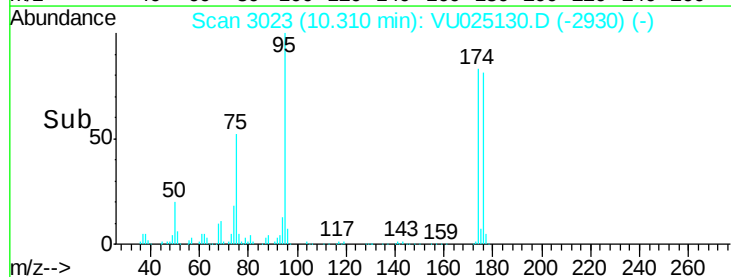
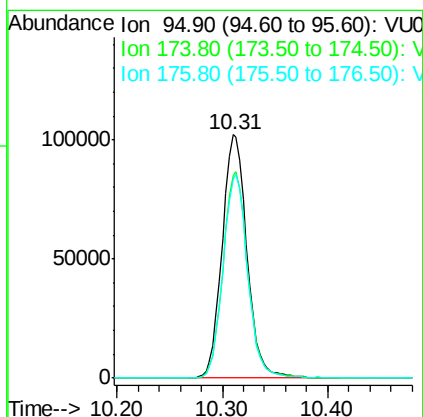
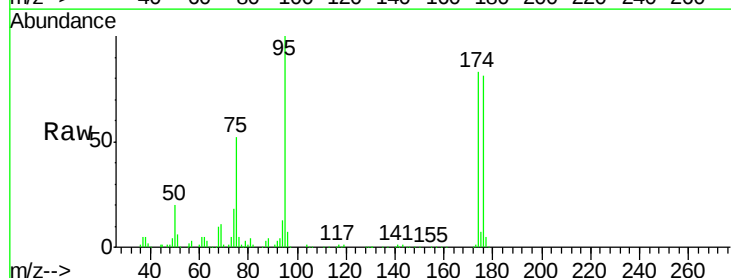
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-7DL

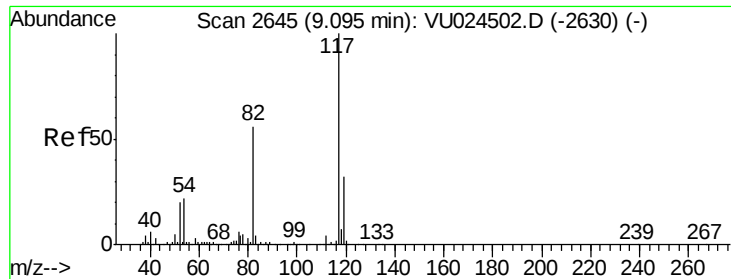
Tgt Ion: 43 Resp: 1979
 Ion Ratio Lower Upper
 43 100
 58 197.8 30.0 45.0#



#62
 4-Bromofluorobenzene
 Concen: 43.887 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025130.D
 Acq: 01 Jul 2018 09:22

Tgt Ion: 95 Resp: 166121
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 165.8
 176 83.2 0.0 159.4

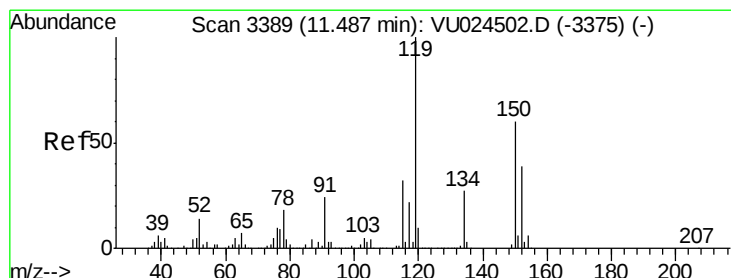
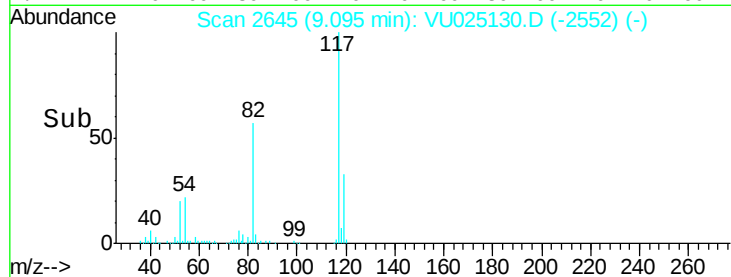
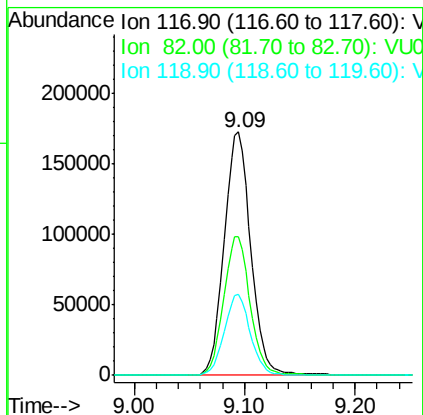
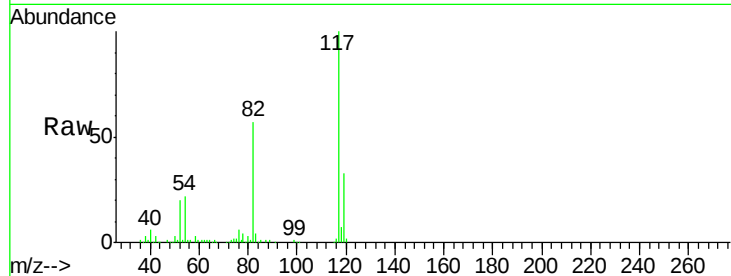




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU025130.D
 Acq: 01 Jul 2018 09:22

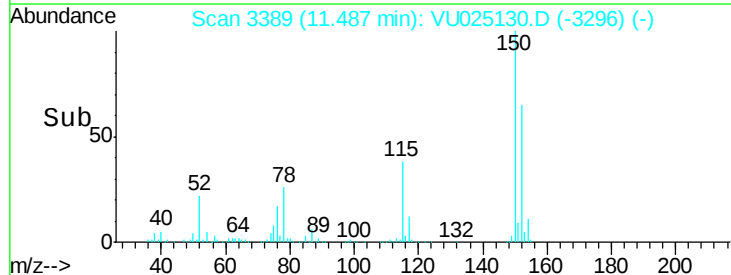
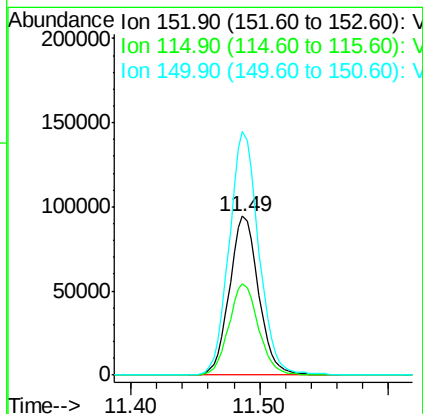
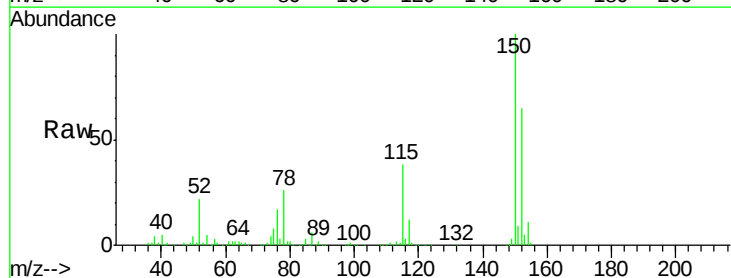
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-7DL

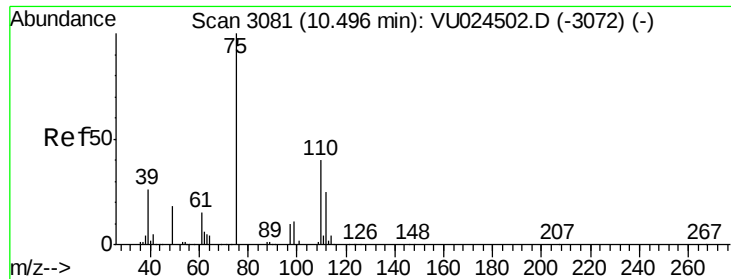
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.3	66.5
119	33.3	25.4	38.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU025130.D
 Acq: 01 Jul 2018 09:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	43.0	129.0
150	155.6	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 26.687 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025130.D

Acq: 01 Jul 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

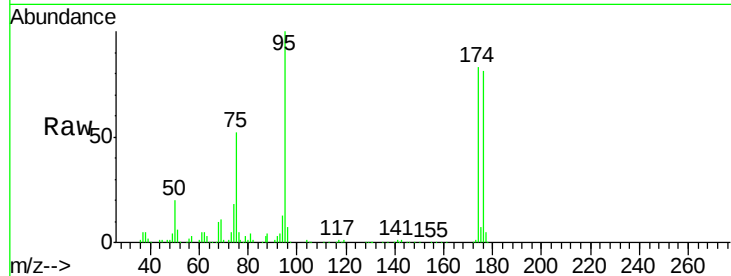
MW-7DL

Tgt Ion: 75 Resp: 87543

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.31

60000

50000

40000

30000

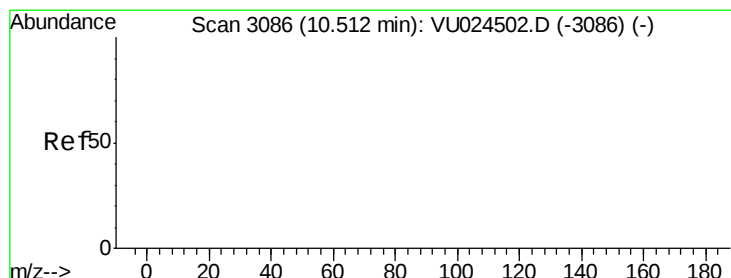
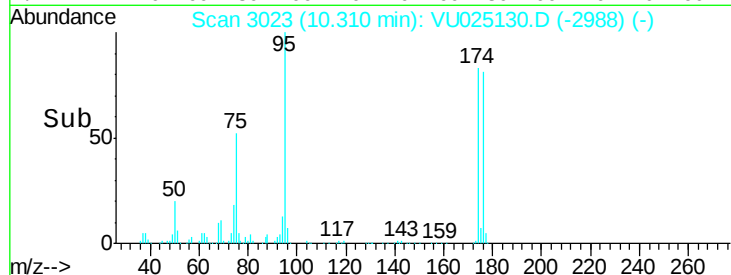
20000

10000

0

Time-->

10.30 10.40



#81

trans-1,4-Dichloro-2-butene

Concen: 61.765 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025130.D

Acq: 01 Jul 2018 09:22

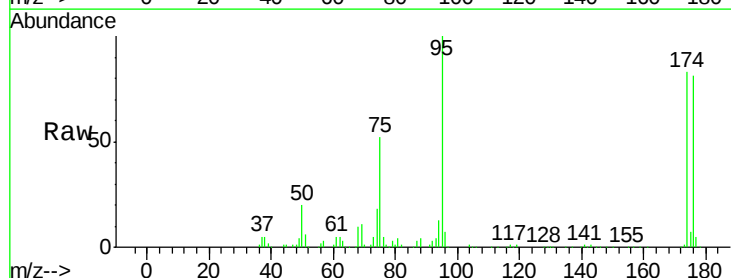
Tgt Ion: 75 Resp: 87543

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

10.31

60000

40000

20000

0

Time-->

10.30 10.40

