

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024977.D
 Acq On : 27 Jun 2018 19:42
 Operator : MD/SY
 Sample : J3670-05ME
 Misc : 6.00g/5.0mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB487-17-19-180621ME

Quant Time: Jun 28 02:28:40 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	229220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	350553	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	334951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	192948	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	174083	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	
35) Dibromofluoromethane	4.89	113	135458	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
50) Toluene-d8	7.57	98	507900	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
62) 4-Bromofluorobenzene	10.32	95	208287	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

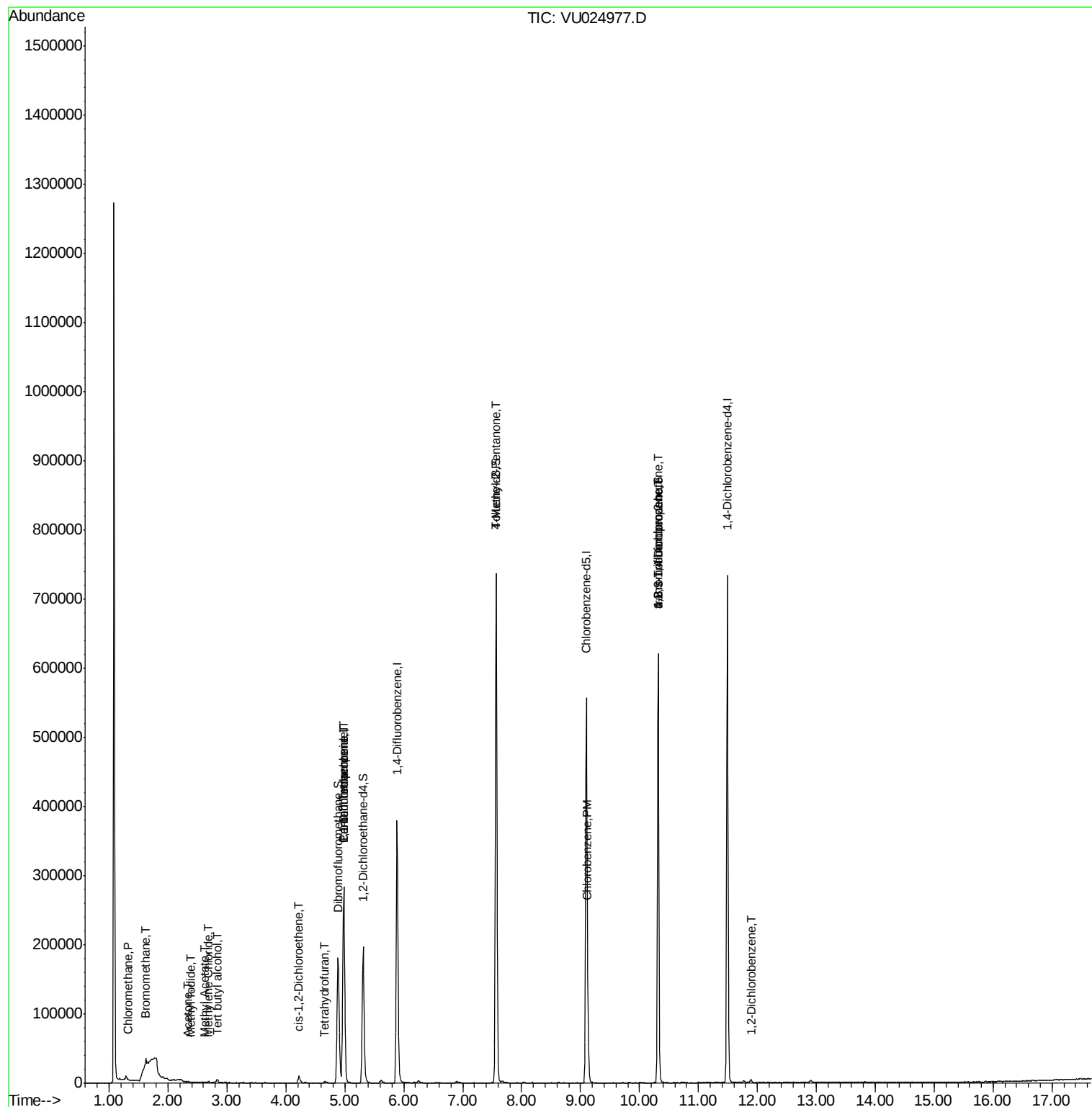
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	818	0.279	ug/l #	64
5) Bromomethane	1.61	94	844	0.578	ug/l	89
6) Chloroethane	1.69	64	131	Below Cal	#	1
10) Methyl Iodide	2.39	142	146	5.342	ug/l #	40
11) Tert butyl alcohol	2.83	59	2756	3.028	ug/l #	83
16) Acetone	2.34	43	1975	0.982	ug/l #	83
18) Methyl Acetate	2.63	43	1633	0.379	ug/l #	71
20) Methylene Chloride	2.69	84	678	0.215	ug/l #	81
27) cis-1,2-Dichloroethene	4.22	96	5488	1.661	ug/l	98
29) Tetrahydrofuran	4.66	42	1535	0.918	ug/l #	46
31) Cyclohexane	4.98	56	4770	Below Cal	#	16
36) 1,1-Dichloropropene	4.98	75	17397	4.223	ug/l #	51
38) Carbon Tetrachloride	4.98	117	21962	4.848	ug/l #	16
51) 4-Methyl-2-Pentanone	7.57	43	2454	0.503	ug/l #	1
65) Chlorobenzene	9.13	112	39070	4.566	ug/l	100
76) 1,2,3-Trichloropropane	10.32	75	106174	24.994	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.32	75	106174	57.846	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	1984	0.286	ug/l	97

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
Data File : VU024977.D
Acq On : 27 Jun 2018 19:42
Operator : MD/SY
Sample : J3670-05ME
Misc : 6.00g/5.0mL/100uL/5.00ML/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-17-19-180621ME

Quant Time: Jun 28 02:28:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU024977.D

Acq: 27 Jun 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

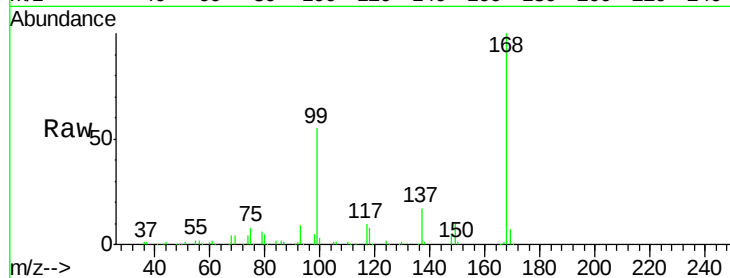
WP021SB487-17-19-180621ME

Tgt Ion:168 Resp: 229220

Ion Ratio Lower Upper

168 100

99 54.9 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) (-)

4.98

100000

80000

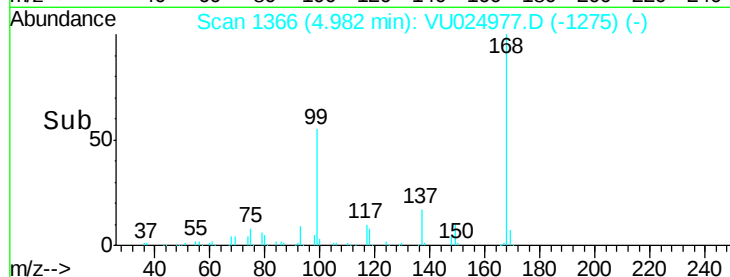
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.279 ug/l

RT: 1.32 min Scan# 227

Delta R.T. -0.01 min

Lab File: VU024977.D

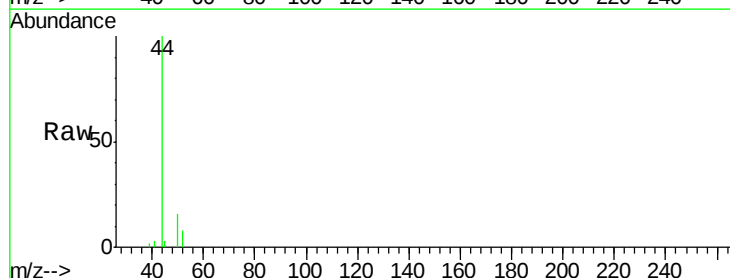
Acq: 27 Jun 2018 19:42

Tgt Ion: 50 Resp: 818

Ion Ratio Lower Upper

50 100

52 53.3 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) (-)

1.32

800

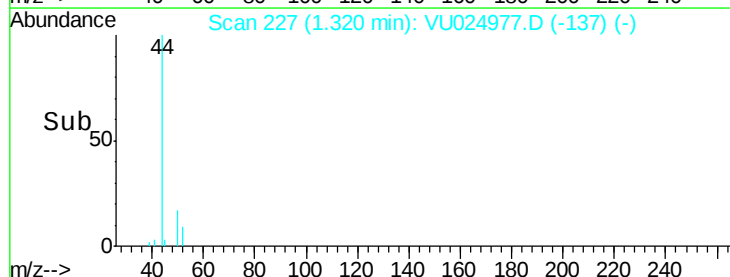
600

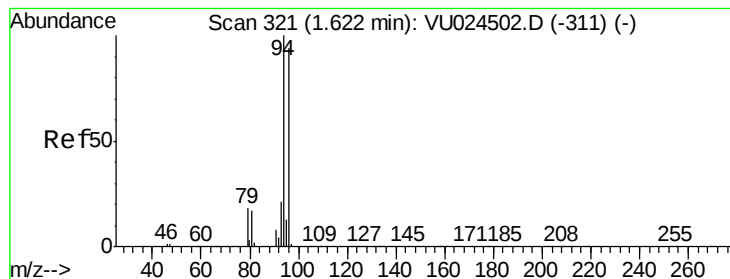
400

200

0

Time-->





#5

Bromomethane

Concen: 0.578 ug/l

RT: 1.61 min Scan# 316

Delta R.T. -0.02 min

Lab File: VU024977.D

Acq: 27 Jun 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

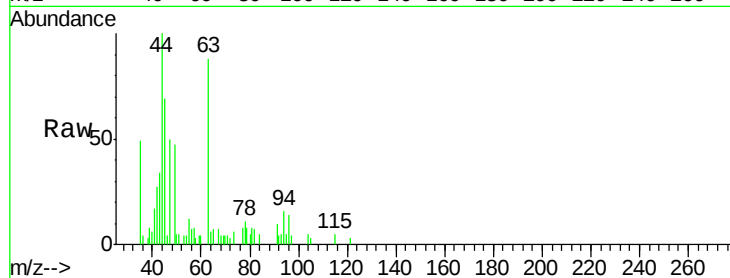
WP021SB487-17-19-180621ME

Tgt Ion: 94 Resp: 844

Ion Ratio Lower Upper

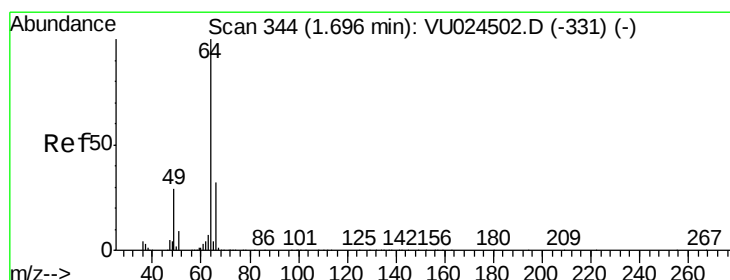
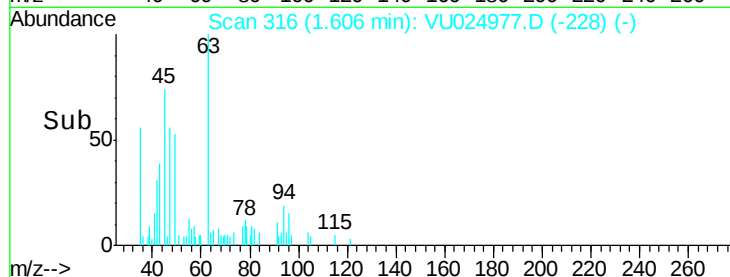
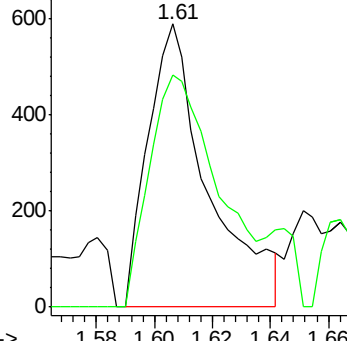
94 100

96 82.2 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: VU024977.D

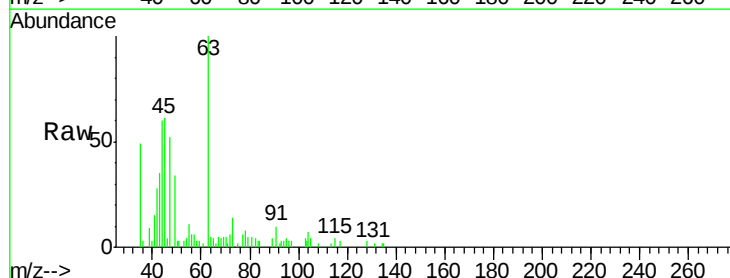
Acq: 27 Jun 2018 19:42

Tgt Ion: 64 Resp: 131

Ion Ratio Lower Upper

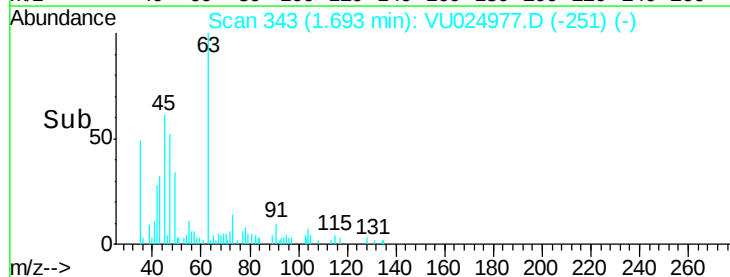
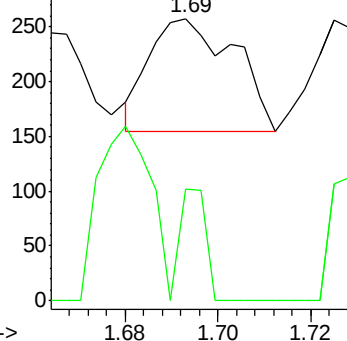
64 100

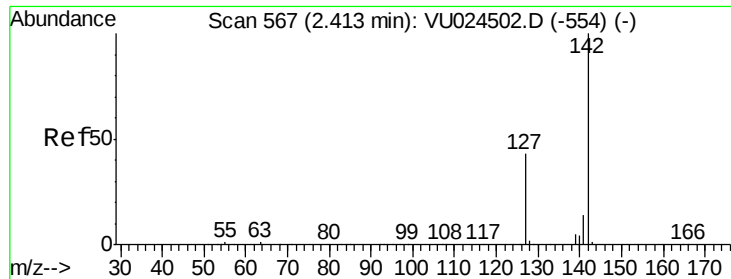
66 99.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methyl Iodide

Concen: 5.342 ug/l

RT: 2.39 min Scan# 560

Delta R.T. -0.02 min

Lab File: VU024977.D

Acq: 27 Jun 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

WP021SB487-17-19-180621ME

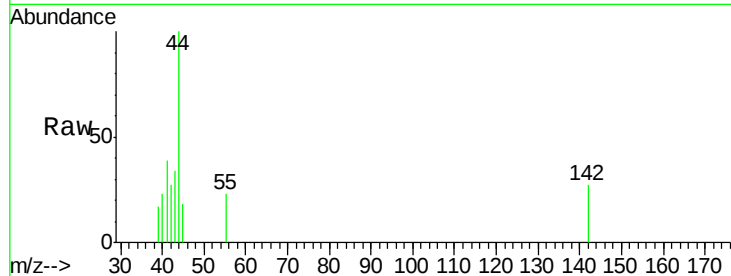
Tgt Ion:142 Resp: 146

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

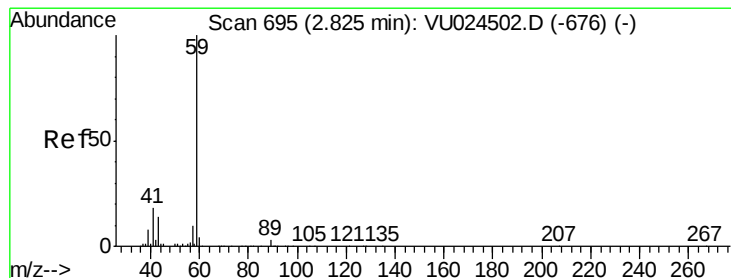
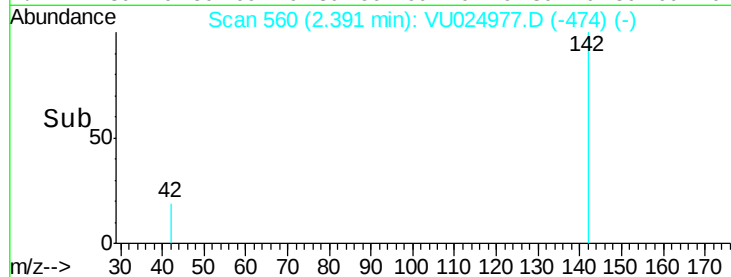
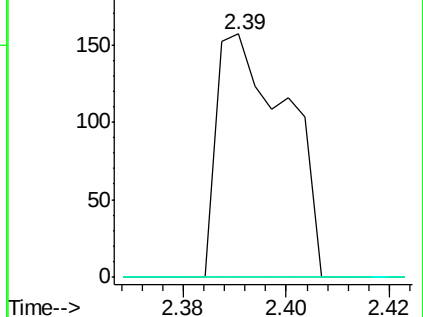
141 0.0 11.7 17.5#



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: 3.028 ug/l

RT: 2.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VU024977.D

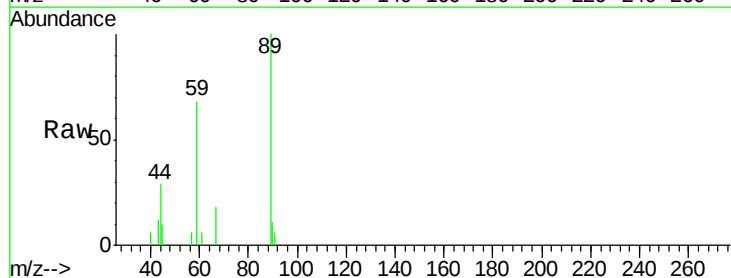
Acq: 27 Jun 2018 19:42

Tgt Ion: 59 Resp: 2756

Ion Ratio Lower Upper

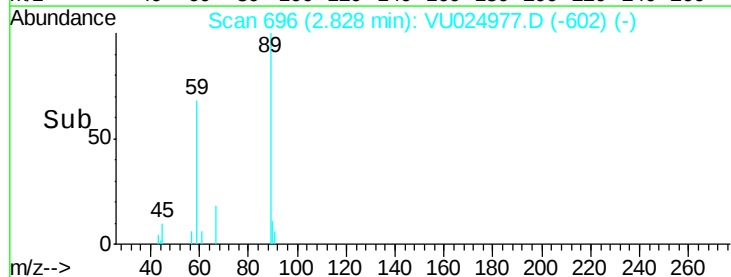
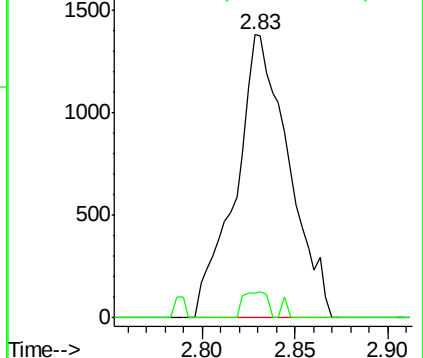
59 100

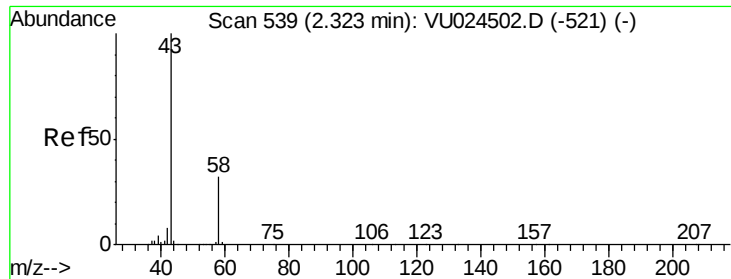
57 4.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 0.982 ug/l

RT: 2.34 min Scan# 545

Delta R.T. 0.02 min

Lab File: VU024977.D

Acq: 27 Jun 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

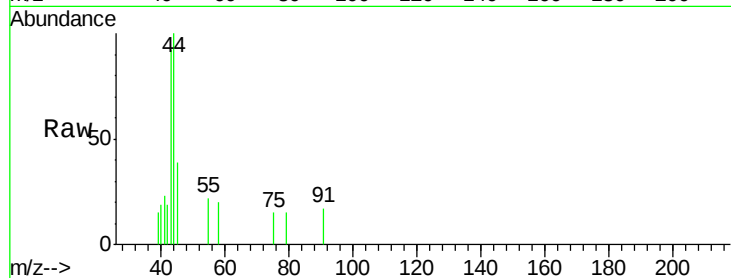
WP021SB487-17-19-180621ME

Tgt Ion: 43 Resp: 1975

Ion Ratio Lower Upper

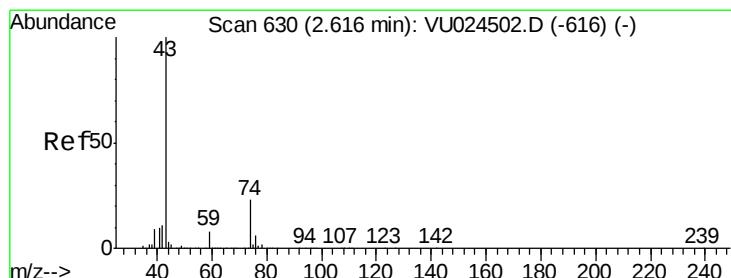
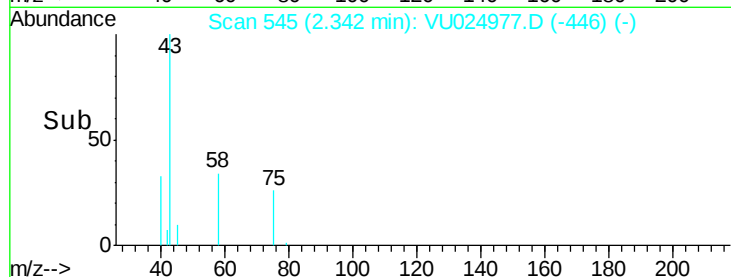
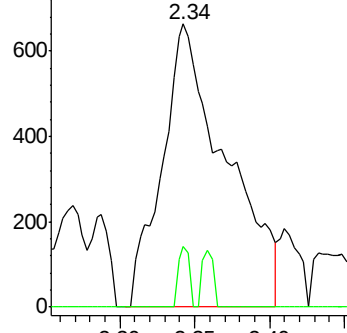
43 100

58 21.4 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: 0.379 ug/l

RT: 2.63 min Scan# 634

Delta R.T. 0.01 min

Lab File: VU024977.D

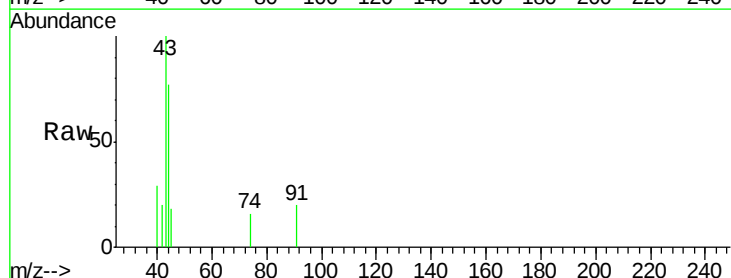
Acq: 27 Jun 2018 19:42

Tgt Ion: 43 Resp: 1633

Ion Ratio Lower Upper

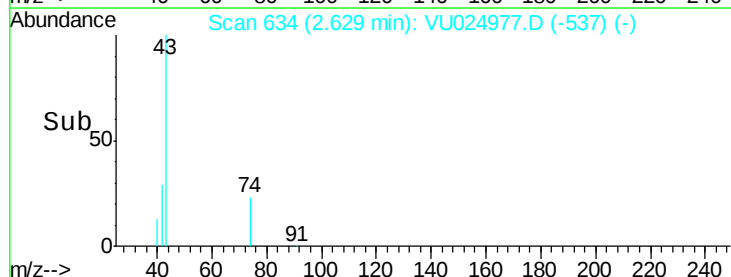
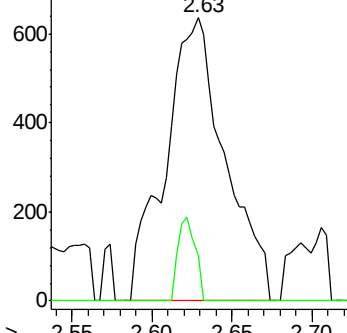
43 100

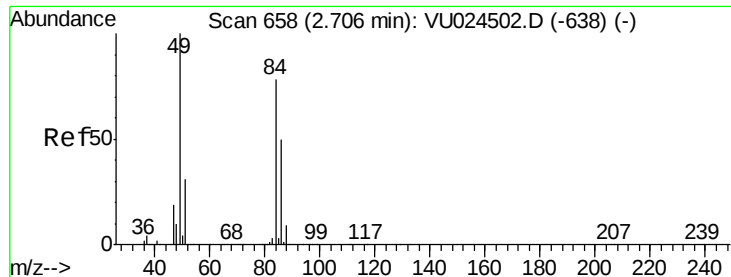
74 8.4 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

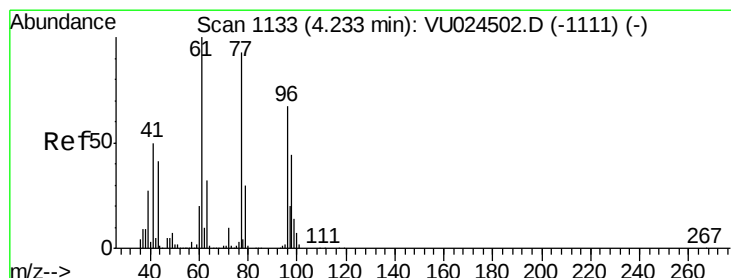
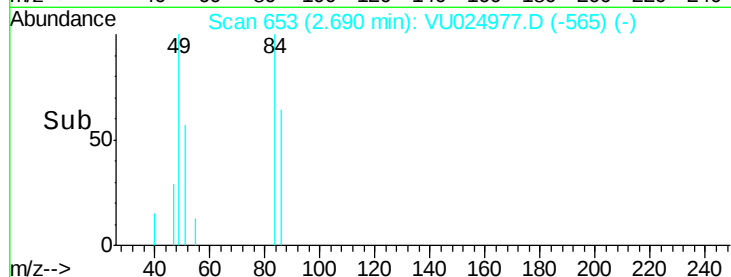
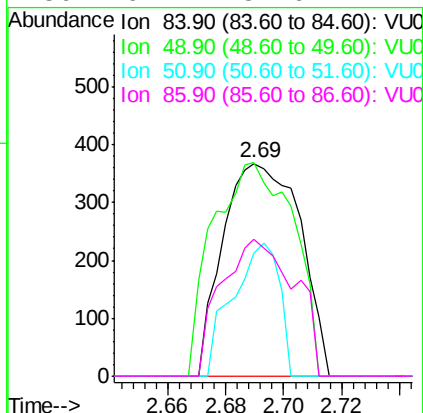
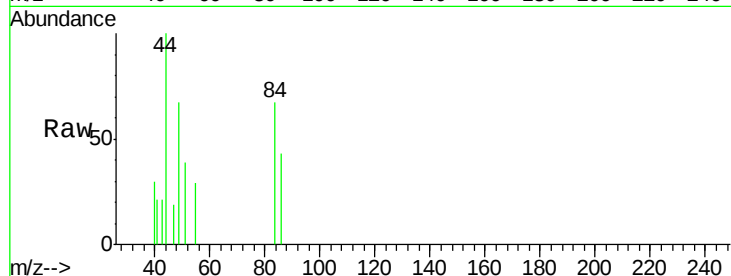




#20
Methylene Chloride
Concen: 0.215 ug/l
RT: 2.69 min Scan# 653
Delta R.T. -0.02 min
Lab File: VU024977.D
Acq: 27 Jun 2018 19:42

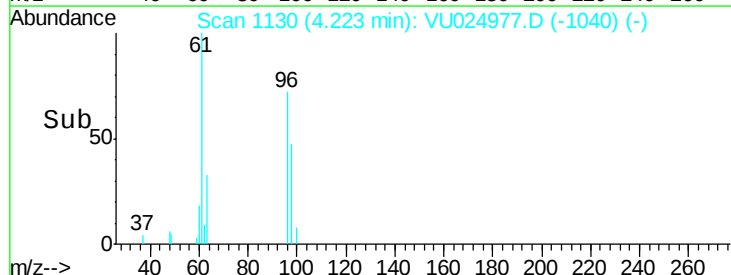
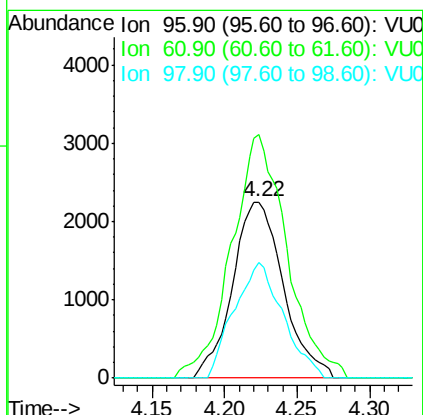
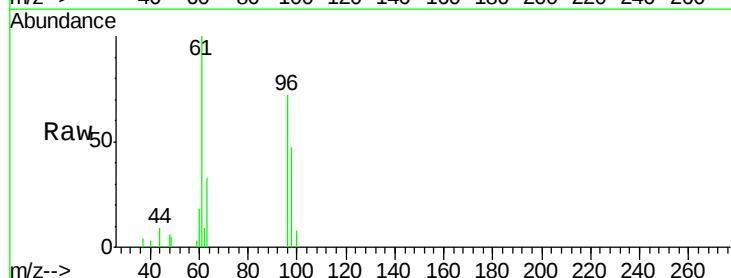
Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-17-19-180621ME

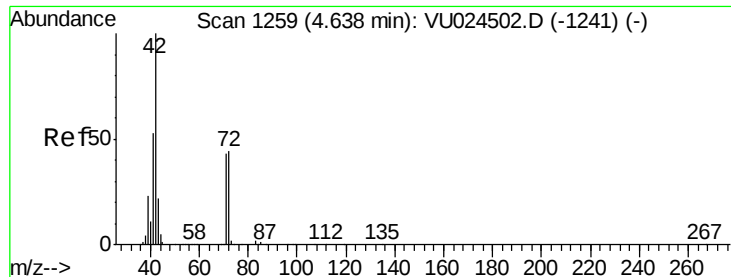
Tgt Ion: 84 Resp: 678
Ion Ratio Lower Upper
84 100
49 100.3 103.8 155.8#
51 57.6 32.0 48.0#
86 64.1 51.6 77.4



#27
cis-1,2-Dichloroethene
Concen: 1.661 ug/l
RT: 4.22 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VU024977.D
Acq: 27 Jun 2018 19:42

Tgt Ion: 96 Resp: 5488
Ion Ratio Lower Upper
96 100
61 150.6 0.0 306.6
98 62.9 0.0 128.8

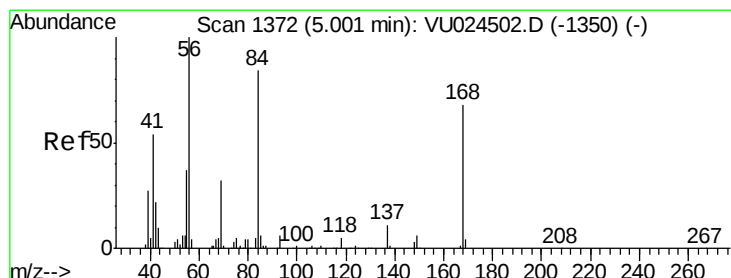
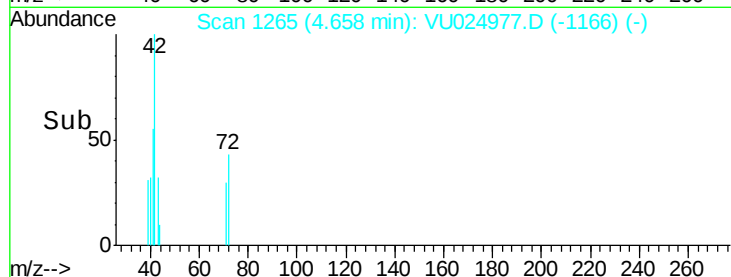
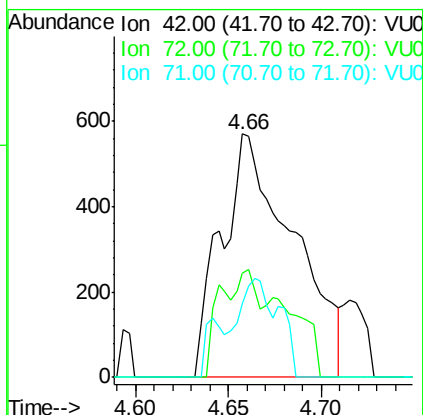
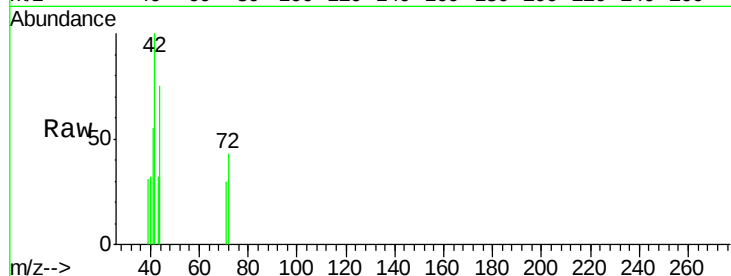




#29
Tetrahydrofuran
Concen: 0.918 ug/l
RT: 4.66 min Scan# 1265
Delta R.T. 0.02 min
Lab File: VU024977.D
Acq: 27 Jun 2018 19:42

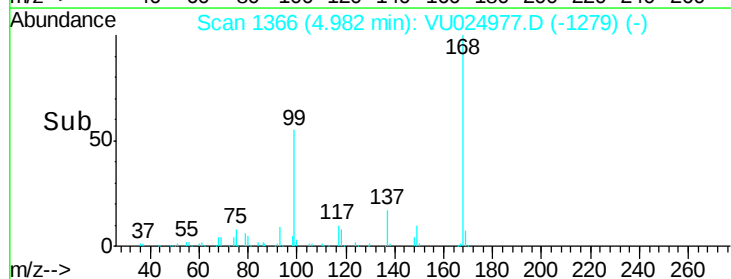
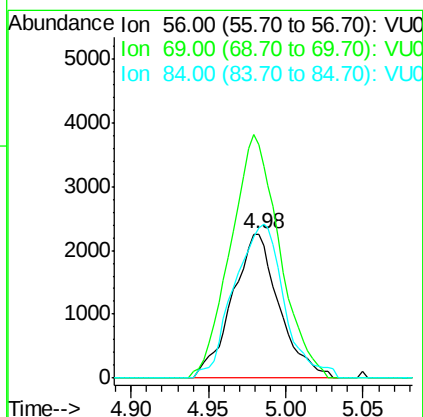
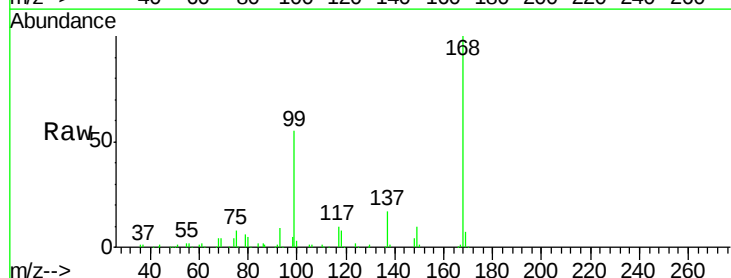
Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-17-19-180621ME

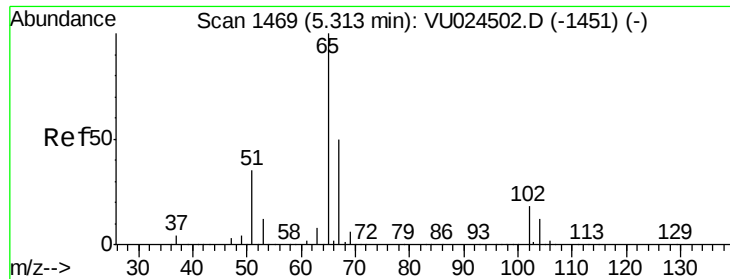
Tgt Ion: 42 Resp: 1535
Ion Ratio Lower Upper
42 100
72 5.8 34.5 51.7#
71 9.6 32.2 48.4#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU024977.D
Acq: 27 Jun 2018 19:42

Tgt Ion: 56 Resp: 4770
Ion Ratio Lower Upper
56 100
69 162.0 24.8 37.2#
84 104.6 65.2 97.8#

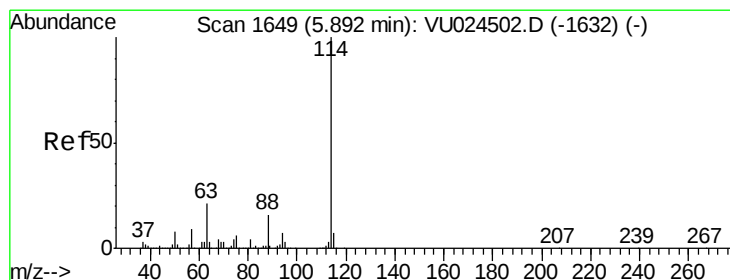
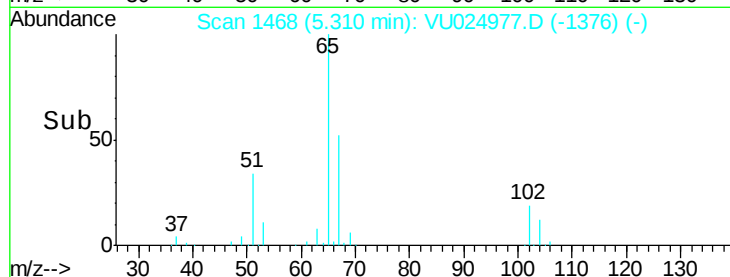
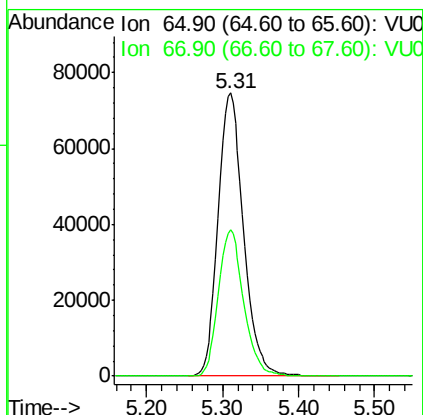
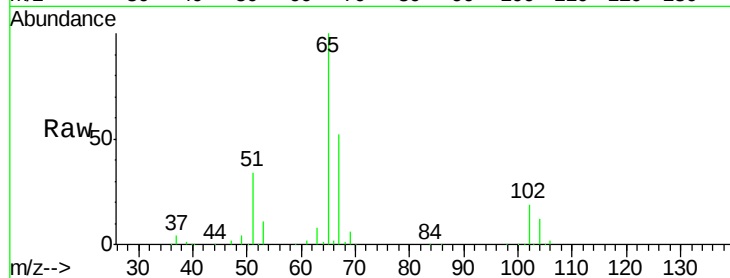




#33
 1,2-Dichloroethane-d4
 Concen: 46.521 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024977.D
 Acq: 27 Jun 2018 19:42

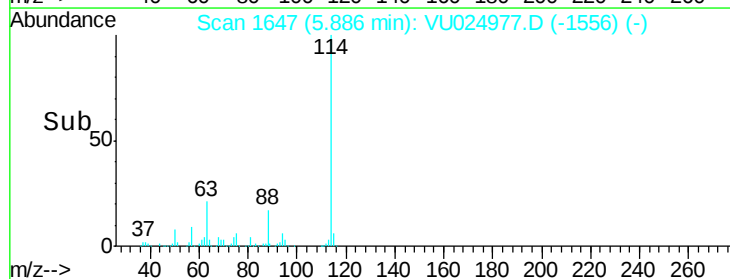
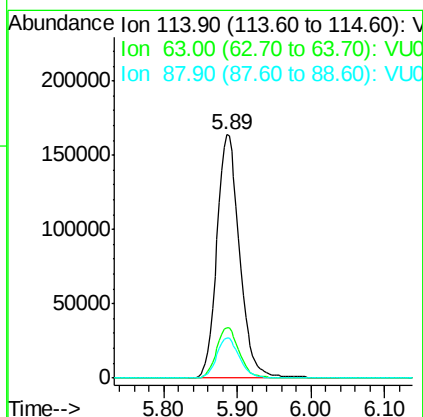
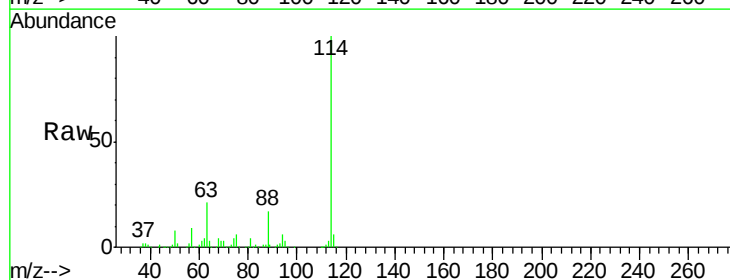
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB487-17-19-180621ME

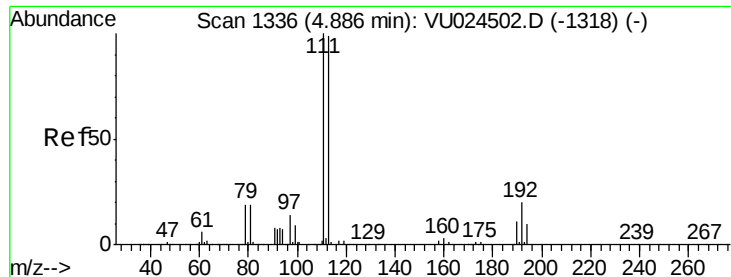
Tgt Ion: 65 Resp: 174083
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: VU024977.D
 Acq: 27 Jun 2018 19:42

Tgt Ion: 114 Resp: 350553
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 45.4
 88 16.7 0.0 31.0

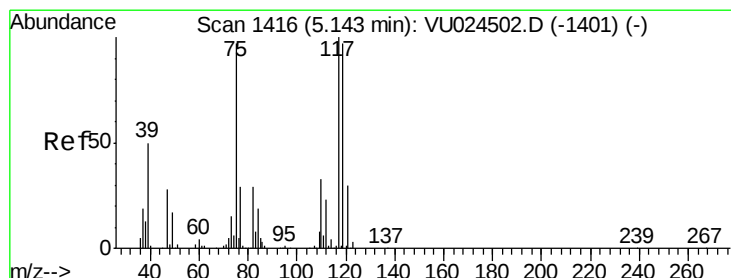
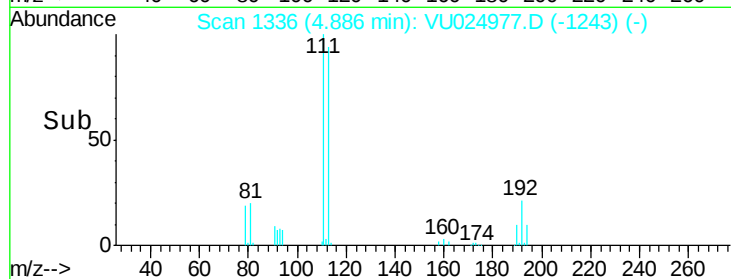
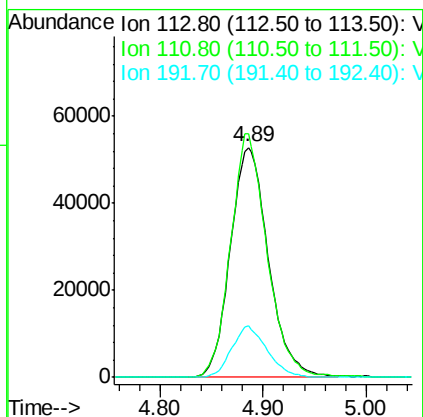
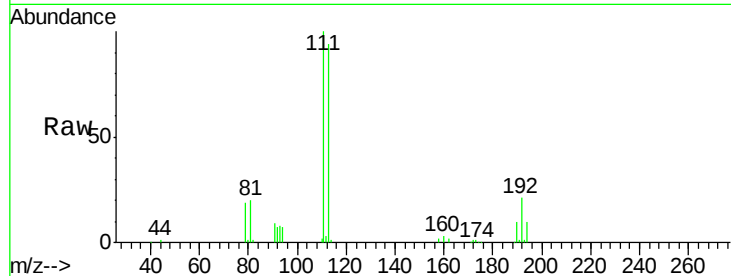




#35
 Dibromofluoromethane
 Concen: 46.560 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024977.D
 Acq: 27 Jun 2018 19:42

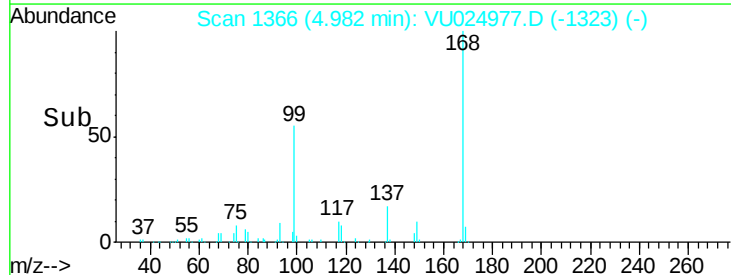
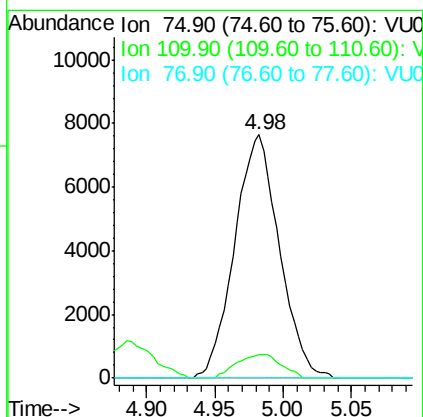
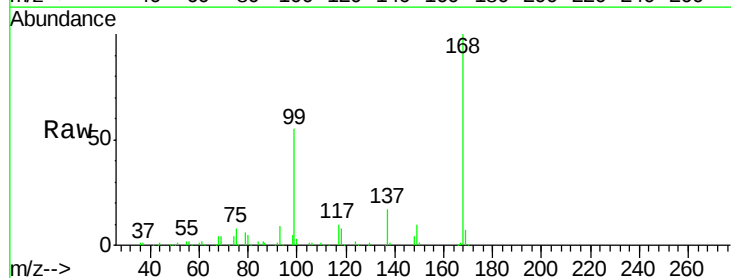
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB487-17-19-180621ME

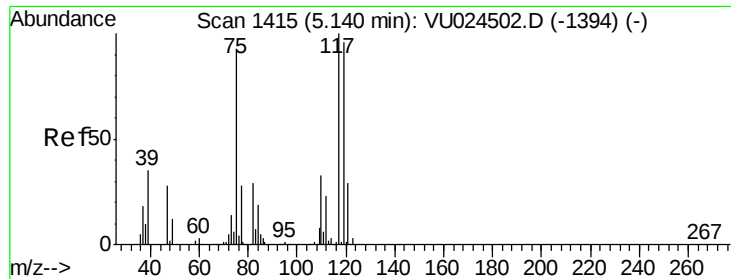
Tgt Ion:113 Resp: 135458
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 20.9 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 4.223 ug/l
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.16 min
 Lab File: VU024977.D
 Acq: 27 Jun 2018 19:42

Tgt Ion: 75 Resp: 17397
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.0 50.9#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 4.848 ug/l

RT: 4.98 min Scan# 1365

Delta R.T. -0.16 min

Lab File: VU024977.D

Acq: 27 Jun 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

WP021SB487-17-19-180621ME

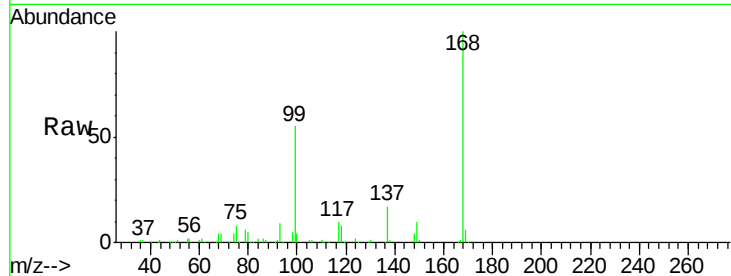
Tgt Ion:117 Resp: 21962

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

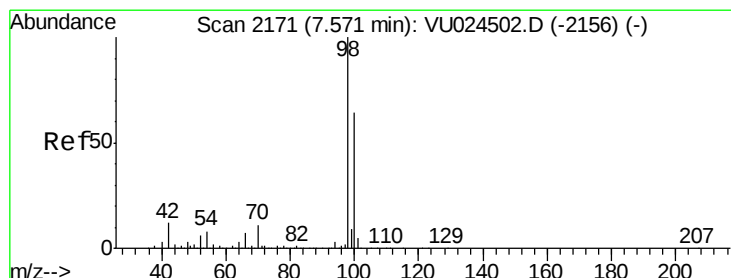
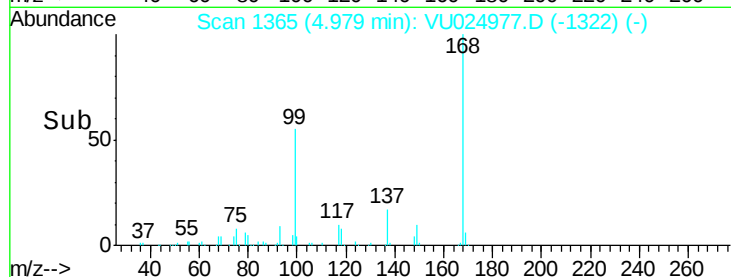
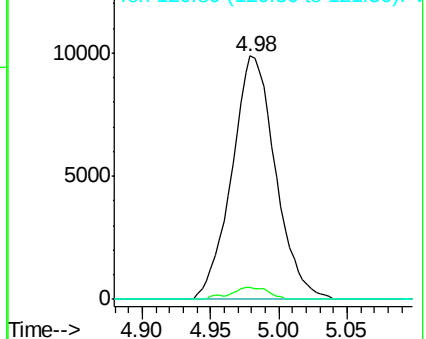
121 0.0 23.7 35.5#



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: 47.861 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024977.D

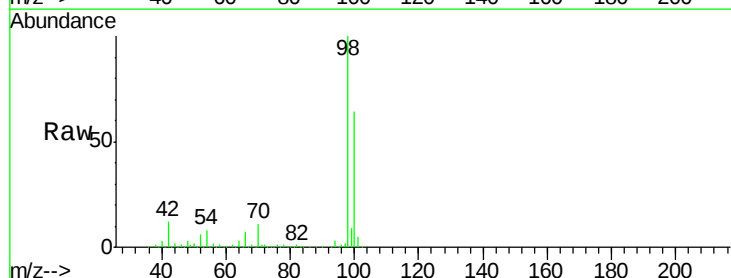
Acq: 27 Jun 2018 19:42

Tgt Ion: 98 Resp: 507900

Ion Ratio Lower Upper

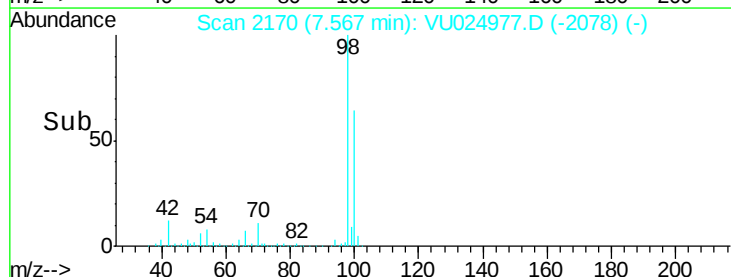
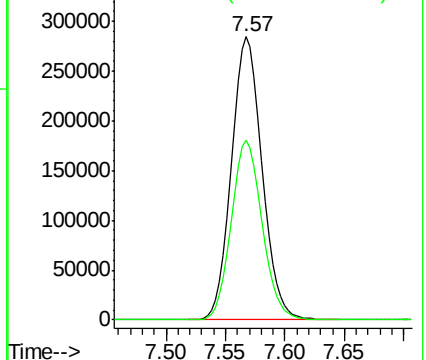
98 100

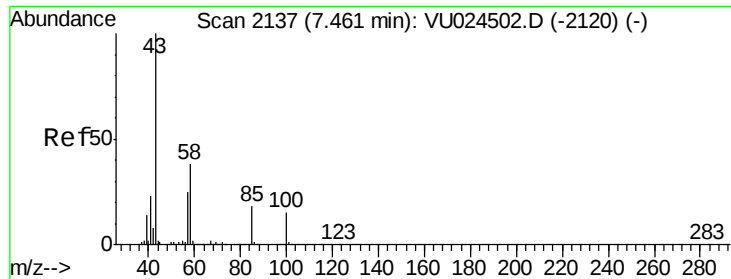
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 0.503 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.11 min

Lab File: VU024977.D

Acq: 27 Jun 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

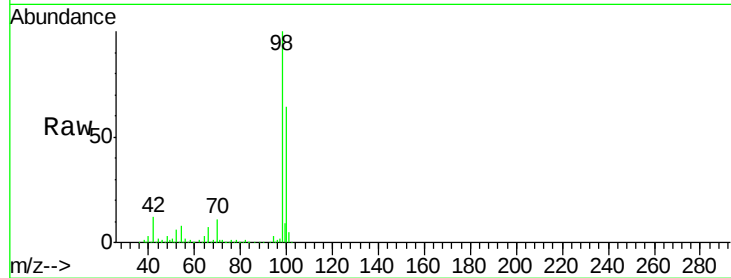
WP021SB487-17-19-180621ME

Tgt Ion: 43 Resp: 2454

Ion Ratio Lower Upper

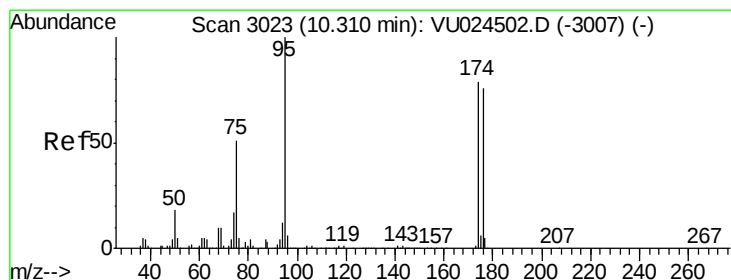
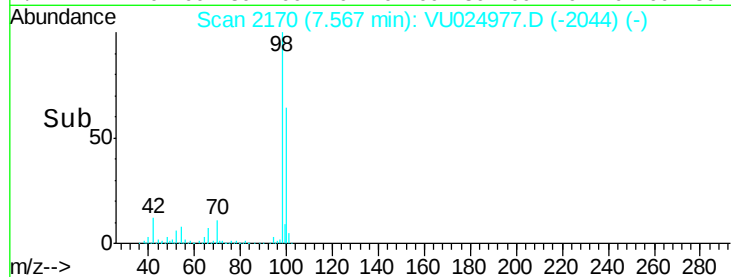
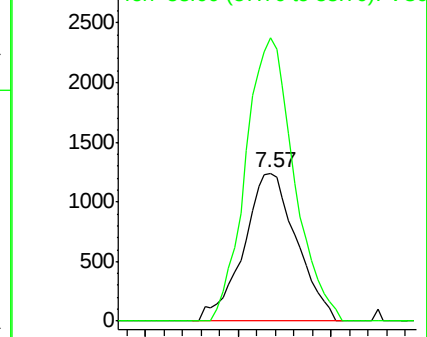
43 100

58 175.2 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 49.434 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU024977.D

Acq: 27 Jun 2018 19:42

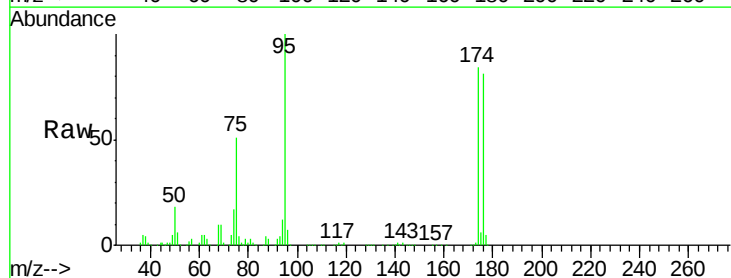
Tgt Ion: 95 Resp: 208287

Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.8

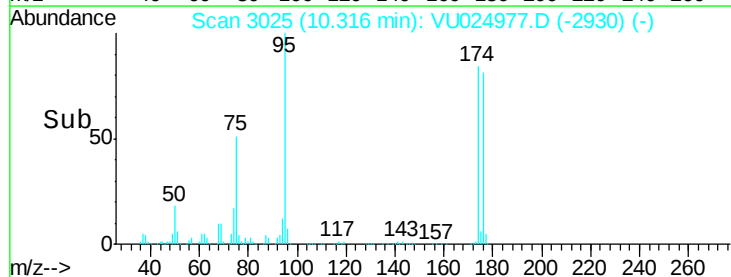
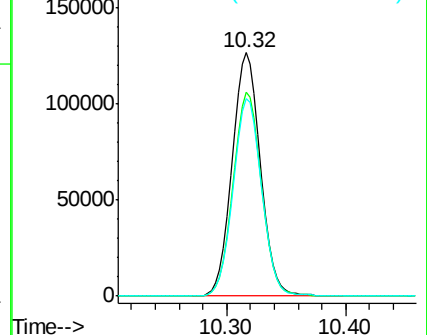
176 81.8 0.0 159.4

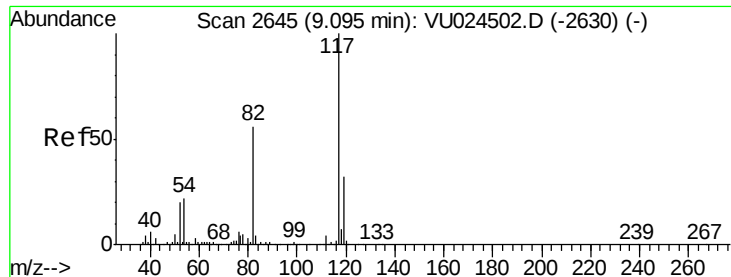


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

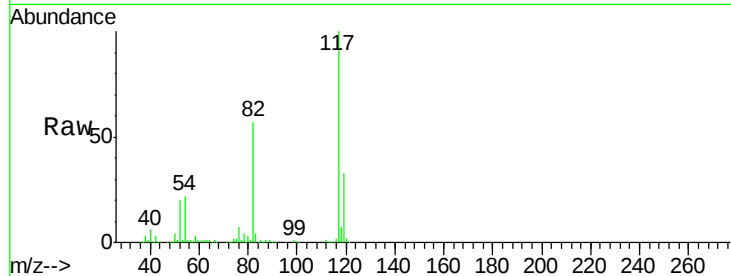




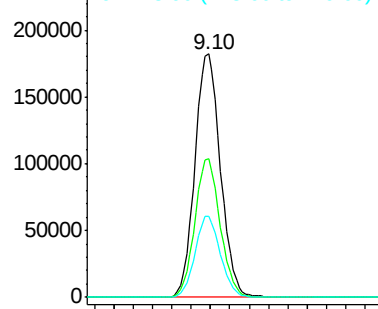
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.10 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VU024977.D
Acq: 27 Jun 2018 19:42

Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-17-19-180621ME

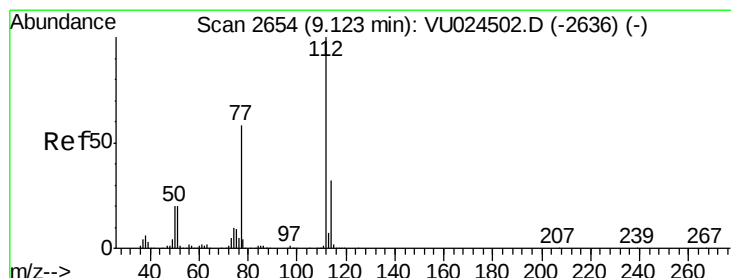
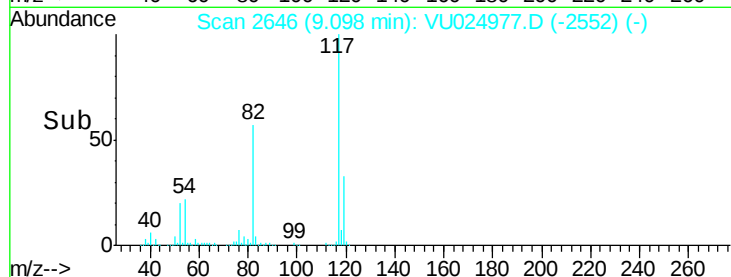
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.3	66.5
119	33.1	25.4	38.2



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

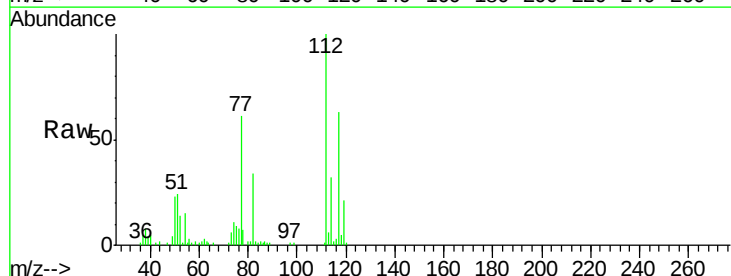


Time-->

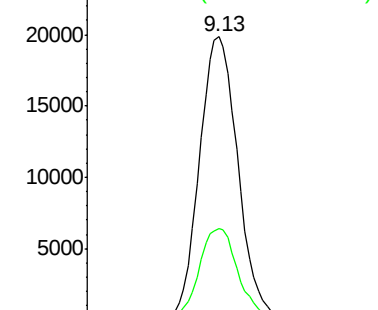


#65
Chlorobenzene
Concen: 4.566 ug/l
RT: 9.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VU024977.D
Acq: 27 Jun 2018 19:42

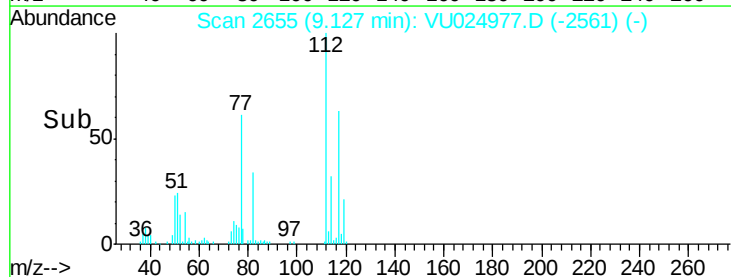
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.6	38.4

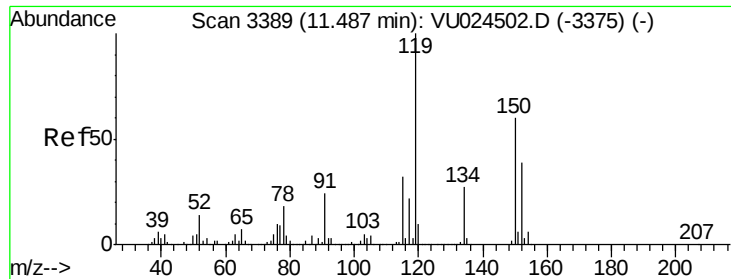


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU024977.D

Acq: 27 Jun 2018 19:42

Instrument :

MSVOA_U

ClientSampleId :

WP021SB487-17-19-180621ME

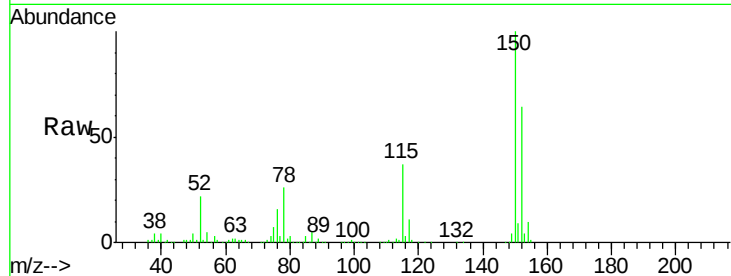
Tgt Ion:152 Resp: 192948

Ion Ratio Lower Upper

152 100

115 57.9 43.0 129.0

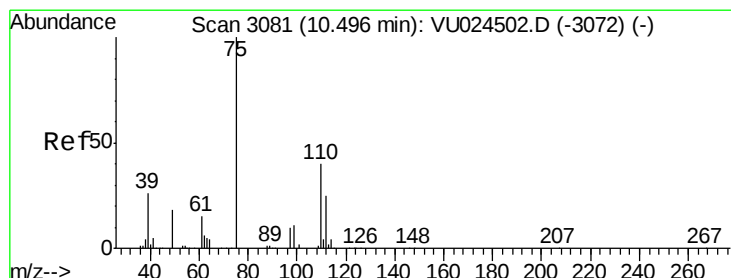
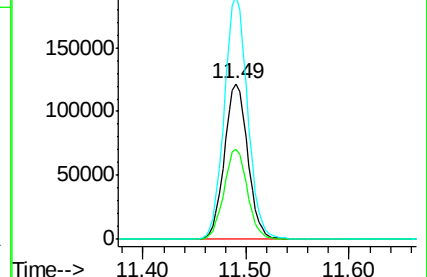
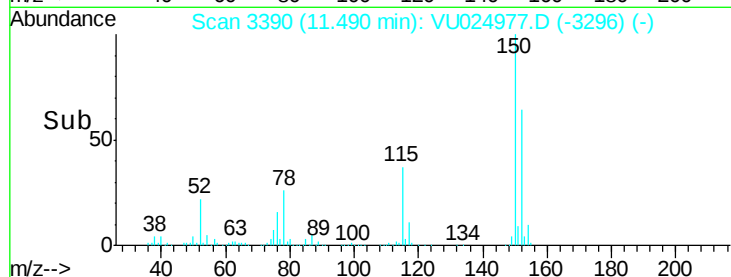
150 155.4 0.0 354.0



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: 24.994 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.18 min

Lab File: VU024977.D

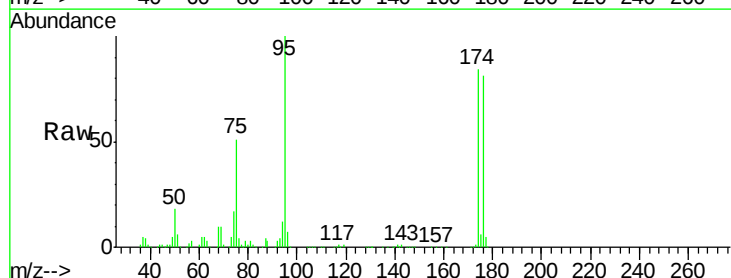
Acq: 27 Jun 2018 19:42

Tgt Ion: 75 Resp: 106174

Ion Ratio Lower Upper

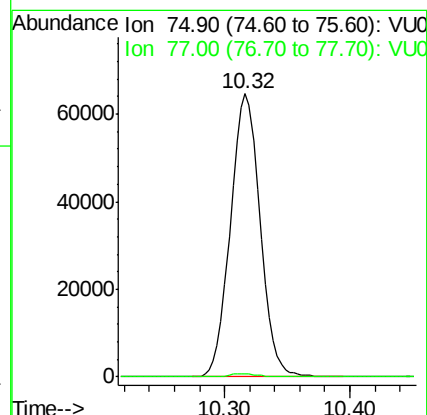
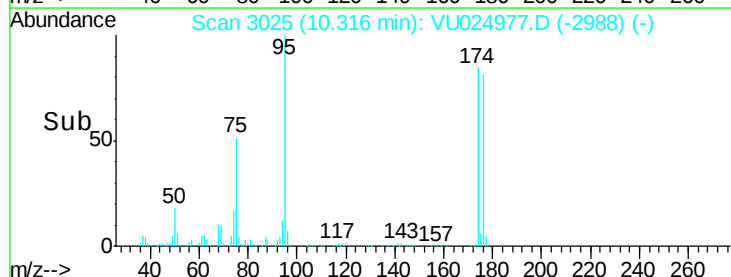
75 100

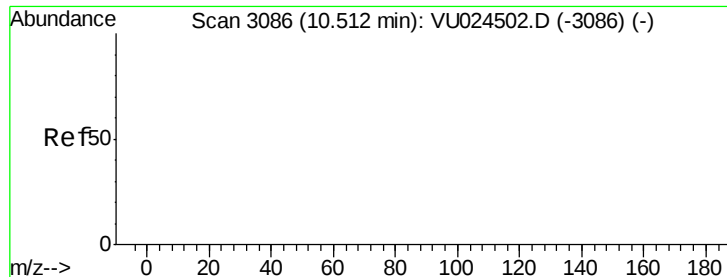
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

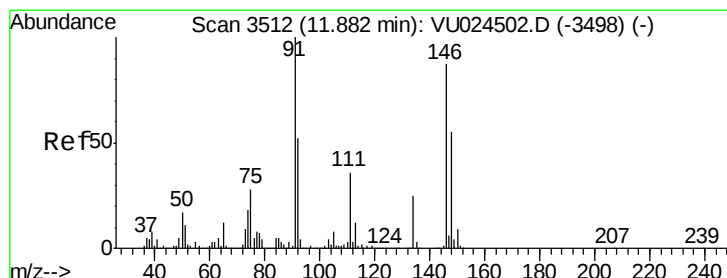
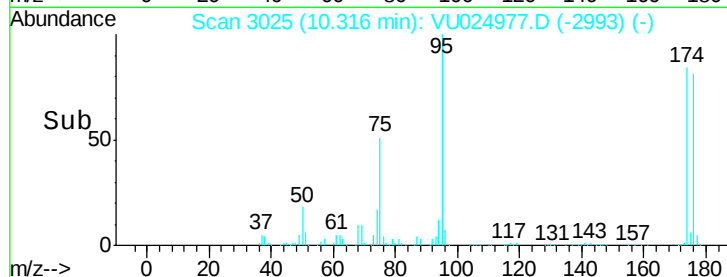
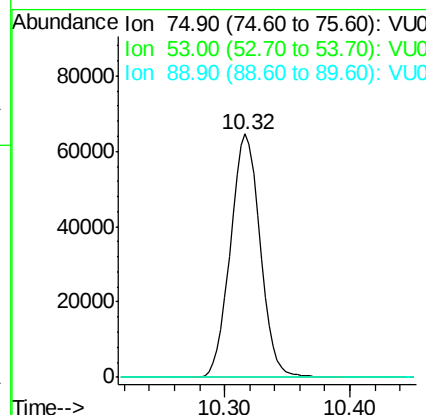
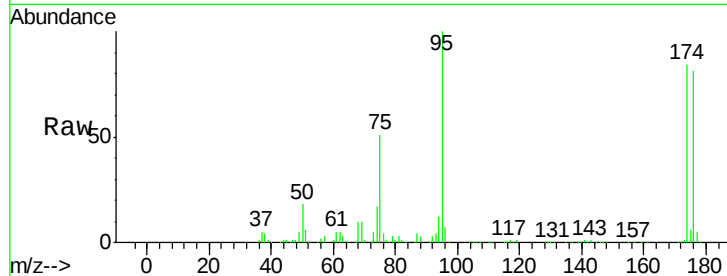




#81
trans-1,4-Dichloro-2-butene
Concen: 57.846 ug/l
RT: 10.32 min Scan# 3025
Delta R.T. -0.20 min
Lab File: VU024977.D
Acq: 27 Jun 2018 19:42

Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-17-19-180621ME

Tgt Ion: 75 Resp: 106174
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0#



#91
1,2-Dichlorobenzene
Concen: 0.286 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.01 min
Lab File: VU024977.D
Acq: 27 Jun 2018 19:42

Tgt Ion: 146 Resp: 1984
Ion Ratio Lower Upper
146 100
111 44.4 20.5 61.6
148 65.1 31.9 95.7

