

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024937.D
 Acq On : 26 Jun 2018 22:20
 Operator : MD/SY
 Sample : J3669-16ME 20X
 Misc : 5.94g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB483-35-37-180620ME

Quant Time: Jun 27 04:16:33 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	206779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	314385	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156072	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	156210	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
35) Dibromofluoromethane	4.89	113	120708	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
50) Toluene-d8	7.57	98	449182	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	10.31	95	167079	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	

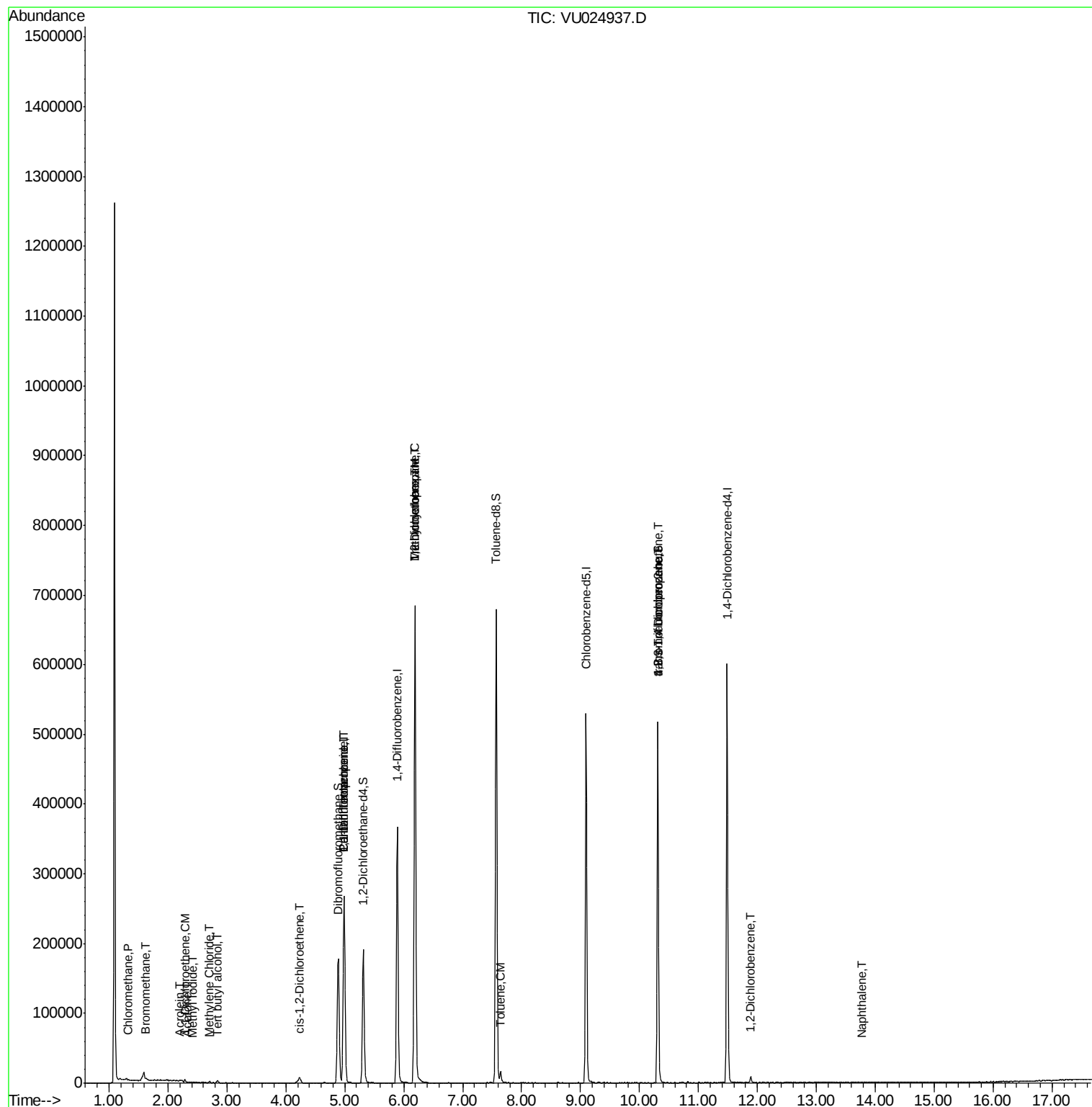
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	652	0.247	ug/l #	85
5) Bromomethane	1.63	94	626	0.475	ug/l	94
6) Chloroethane	1.69	64	40	Below Cal	#	43
10) Methyl Iodide	2.42	142	116	5.336	ug/l #	59
11) Tert butyl alcohol	2.84	59	1574	1.917	ug/l #	72
12) 1,1-Dichloroethene	2.28	96	1317	0.559	ug/l	96
13) Acrolein	2.19	56	126	0.292	ug/l	87
16) Acetone	2.33	43	903	0.498	ug/l	96
20) Methylene Chloride	2.71	84	712	0.250	ug/l #	84
27) cis-1,2-Dichloroethene	4.23	96	2282	0.765	ug/l	29
31) Cyclohexane	4.99	56	4114	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15000	4.060	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19548	4.812	ug/l #	15
39) Methylcyclohexane	6.19	83	2664	0.578	ug/l #	1
44) Trichloroethene	6.19	130	245645	81.995	ug/l	97
45) 1,2-Dichloropropane	6.19	63	802	0.286	ug/l #	1
52) Toluene	7.64	92	6607	0.976	ug/l	100
76) 1,2,3-Trichloropropane	10.31	75	88891	25.869	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	88891	59.873	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	4037	0.719	ug/l	98
95) Naphthalene	13.77	128	276	0.703	ug/l #	69

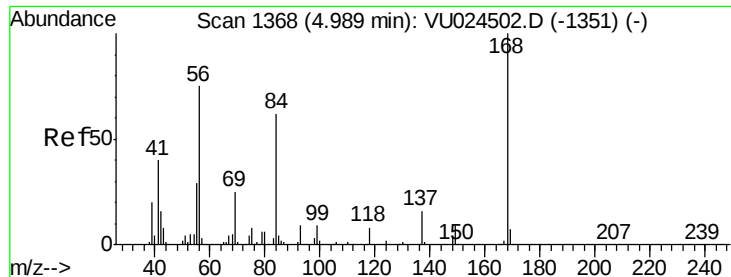
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024937.D

Acq: 26 Jun 2018 22:20

Instrument :

MSVOA_U

ClientSampleId :

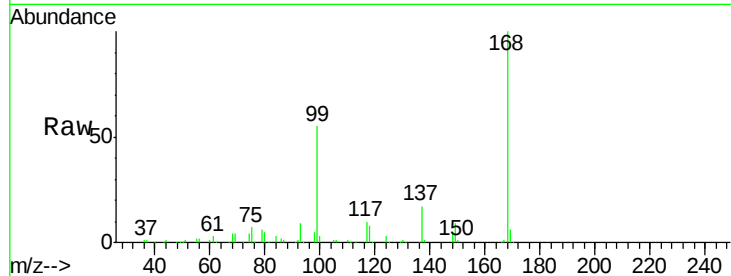
WP021SB483-35-37-180620ME

Tgt Ion:168 Resp: 206779

Ion Ratio Lower Upper

168 100

99 55.0 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

100000

80000

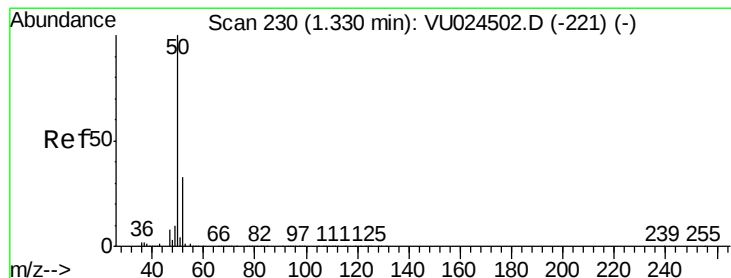
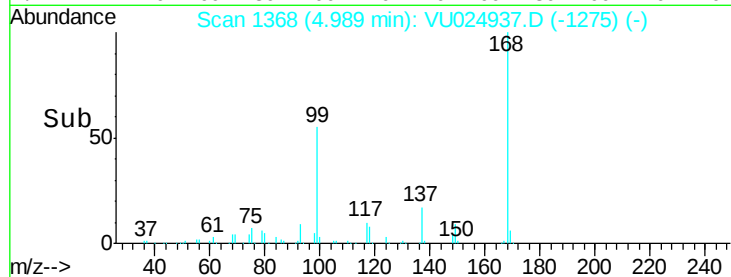
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.247 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024937.D

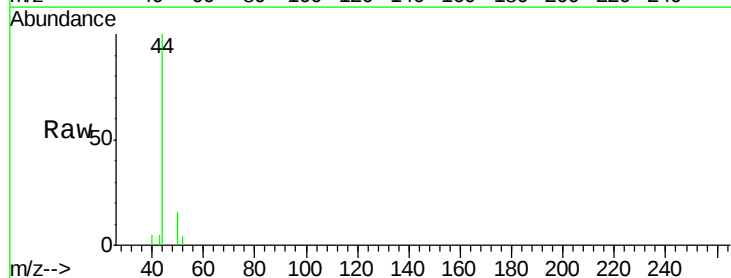
Acq: 26 Jun 2018 22:20

Tgt Ion: 50 Resp: 652

Ion Ratio Lower Upper

50 100

52 24.6 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

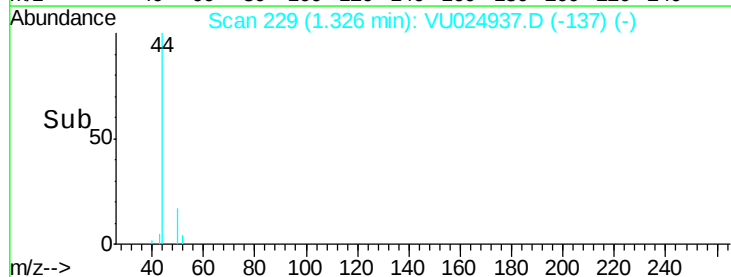
600

400

200

0

Time-->





#5

Bromomethane

Concen: 0.475 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024937.D

Acq: 26 Jun 2018 22:20

Instrument :

MSVOA_U

ClientSampleId :

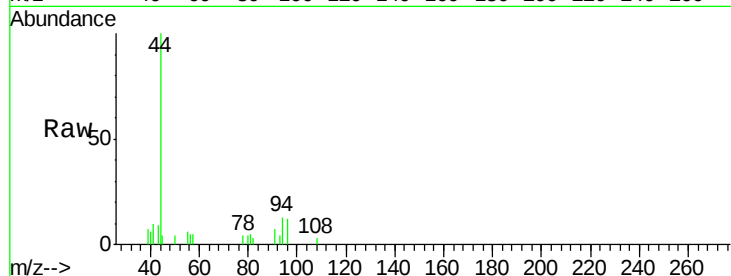
WP021SB483-35-37-180620ME

Tgt Ion: 94 Resp: 626

Ion Ratio Lower Upper

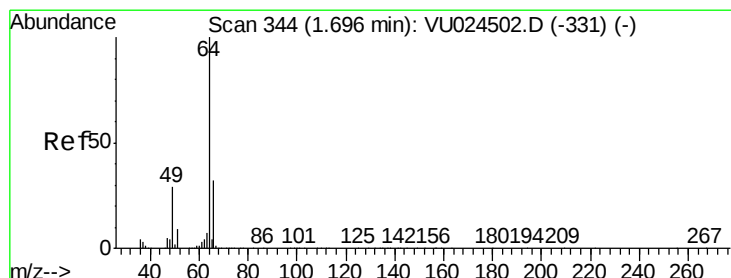
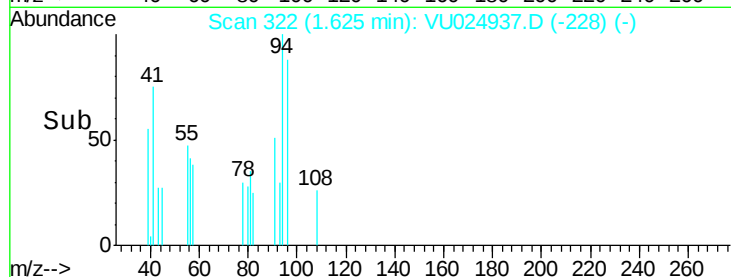
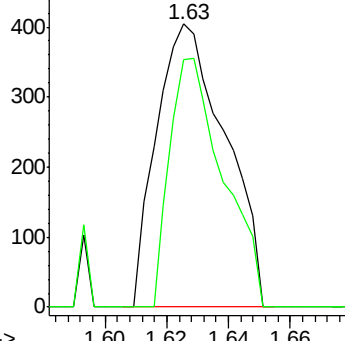
94 100

96 87.6 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# 342

Delta R.T. -0.01 min

Lab File: VU024937.D

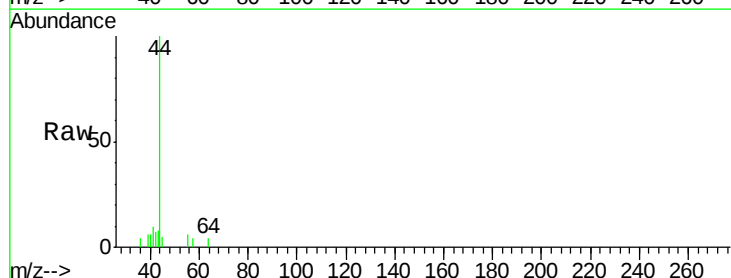
Acq: 26 Jun 2018 22:20

Tgt Ion: 64 Resp: 40

Ion Ratio Lower Upper

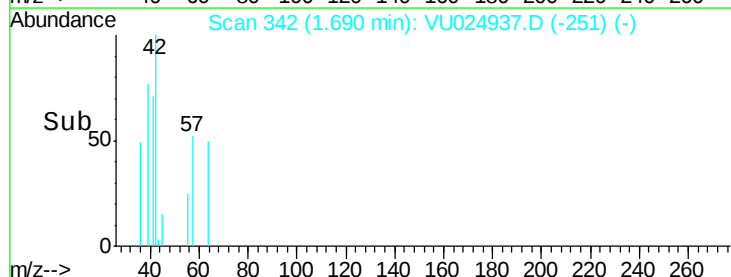
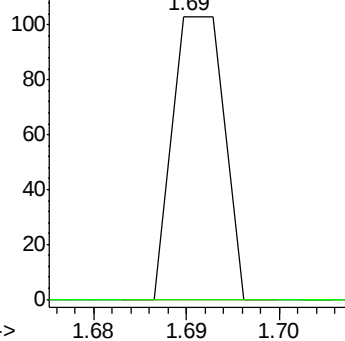
64 100

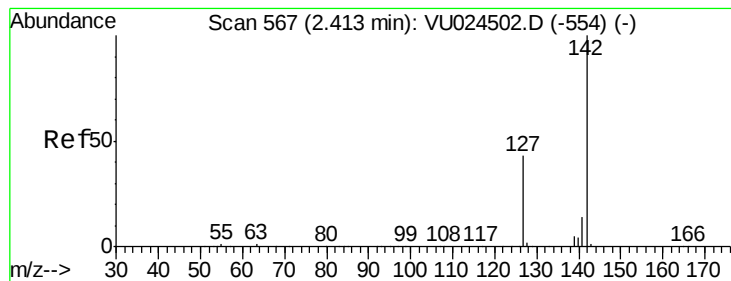
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methyl Iodide

Concen: 5.336 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU024937.D

Acq: 26 Jun 2018 22:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB483-35-37-180620ME

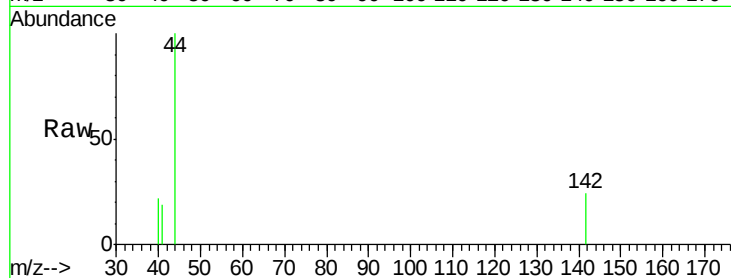
Tgt Ion:142 Resp: 116

Ion Ratio Lower Upper

142 100

127 72.4 35.6 53.4#

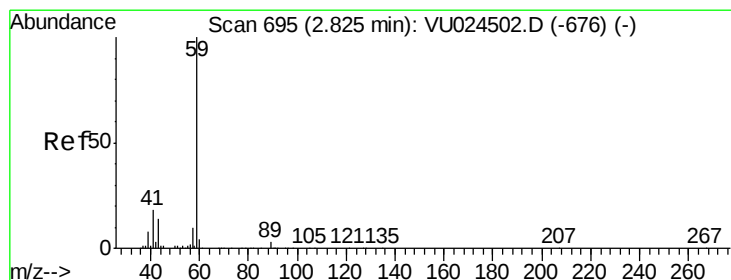
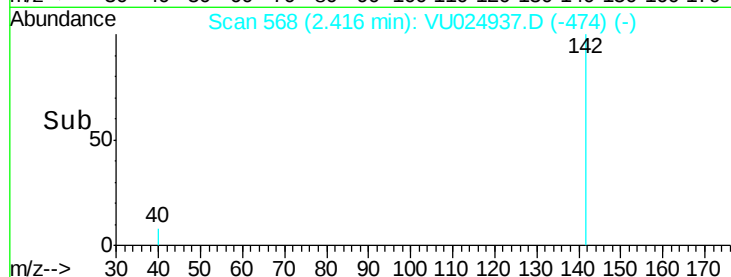
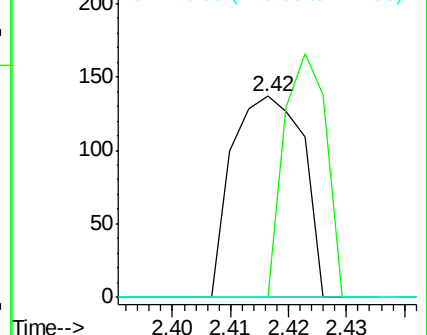
141 0.0 11.7 17.5#



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: 1.917 ug/l

RT: 2.84 min Scan# 700

Delta R.T. 0.02 min

Lab File: VU024937.D

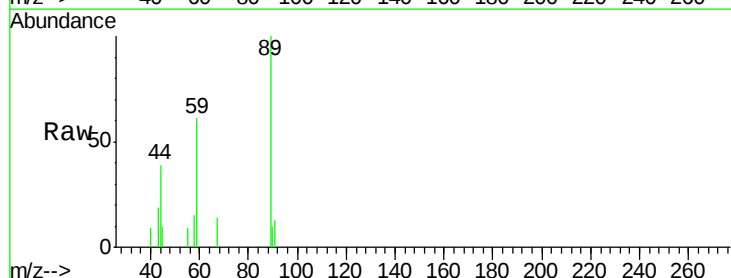
Acq: 26 Jun 2018 22:20

Tgt Ion: 59 Resp: 1574

Ion Ratio Lower Upper

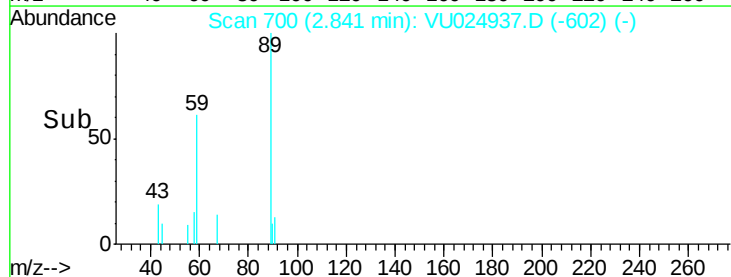
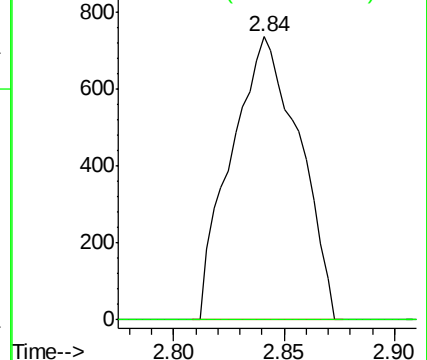
59 100

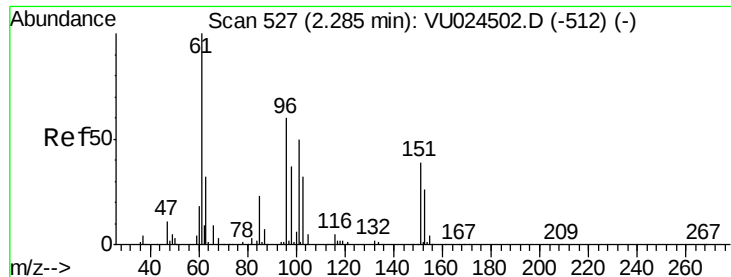
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#12

1,1-Dichloroethene

Concen: 0.559 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU024937.D

Acq: 26 Jun 2018 22:20

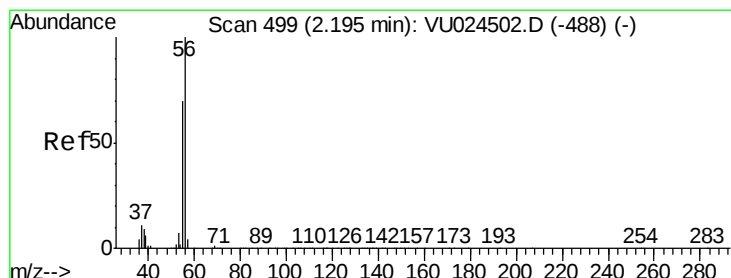
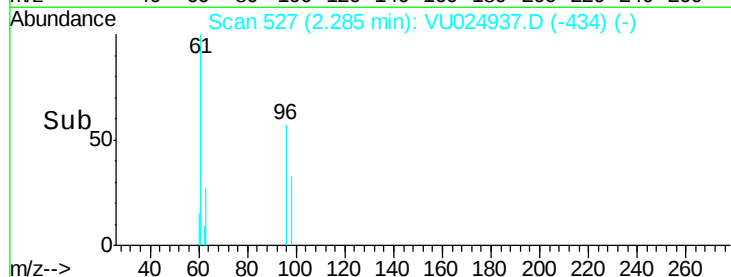
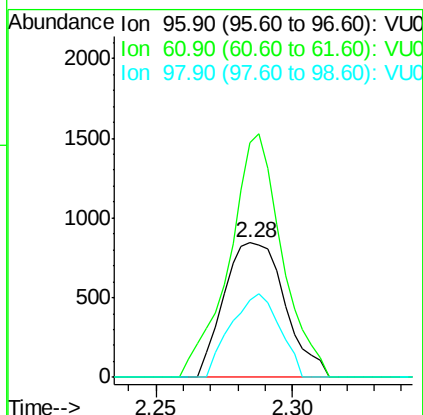
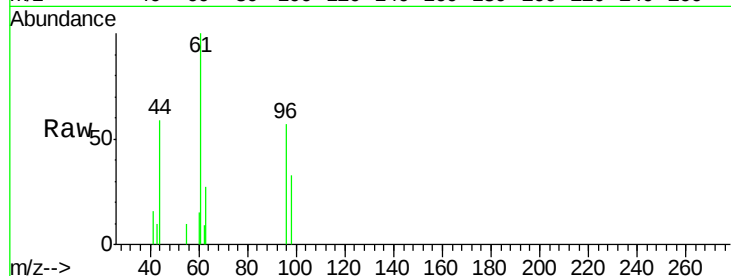
Instrument :

MSVOA_U

ClientSampleId :

WP021SB483-35-37-180620ME

Tgt Ion:	96	Resp:	1317
Ion	Ratio	Lower	Upper
96	100		
61	174.3	141.7	212.5
98	57.1	51.6	77.4



#13

Acrolein

Concen: 0.292 ug/l

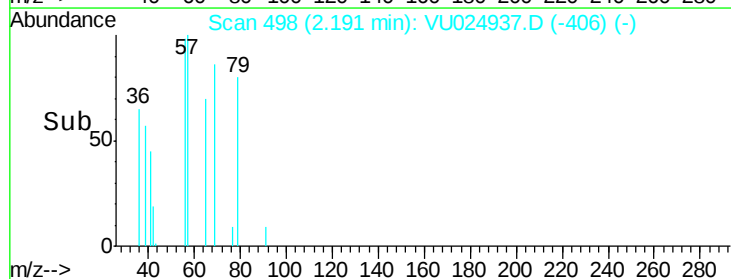
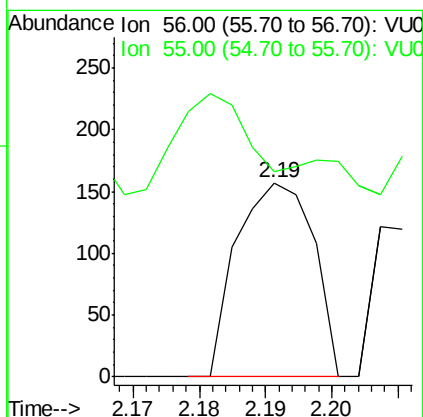
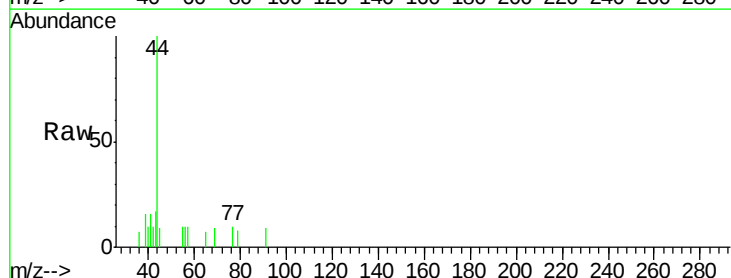
RT: 2.19 min Scan# 498

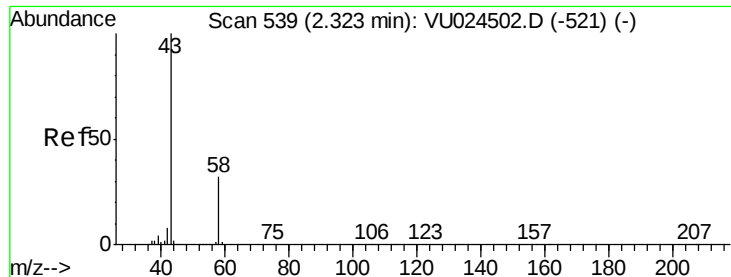
Delta R.T. -0.00 min

Lab File: VU024937.D

Acq: 26 Jun 2018 22:20

Tgt Ion:	56	Resp:	126
Ion	Ratio	Lower	Upper
56	100		
55	61.9	58.4	87.6





#16

Acetone

Concen: 0.498 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024937.D

Acq: 26 Jun 2018 22:20

Instrument :

MSVOA_U

ClientSampleId :

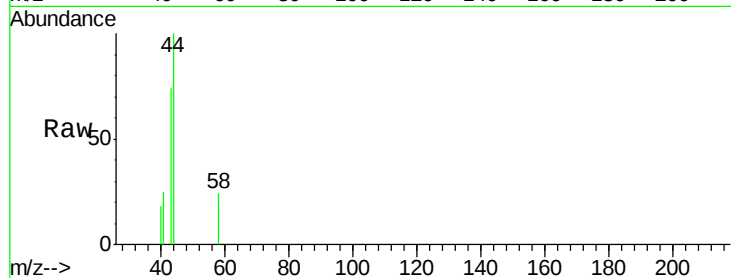
WP021SB483-35-37-180620ME

Tgt Ion: 43 Resp: 903

Ion Ratio Lower Upper

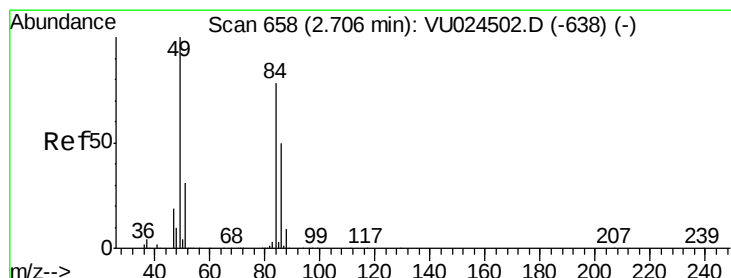
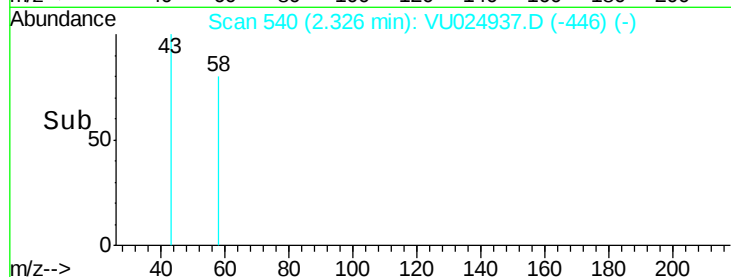
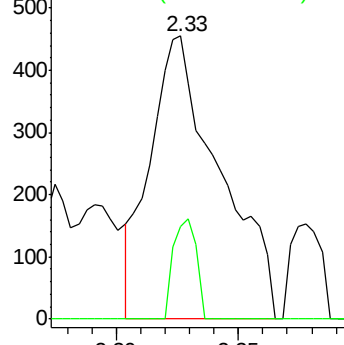
43 100

58 32.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#20

Methylene Chloride

Concen: 0.250 ug/l

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU024937.D

Acq: 26 Jun 2018 22:20

Tgt Ion: 84 Resp: 712

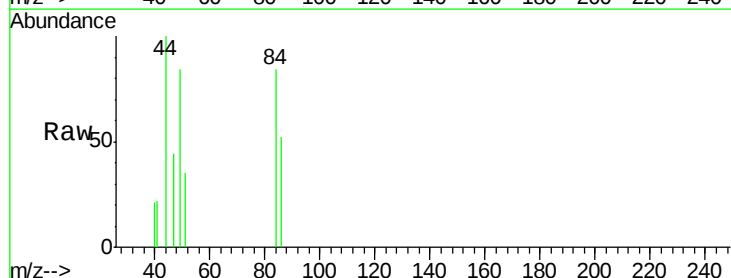
Ion Ratio Lower Upper

84 100

49 100.0 103.8 155.8#

51 41.5 32.0 48.0

86 61.5 51.6 77.4

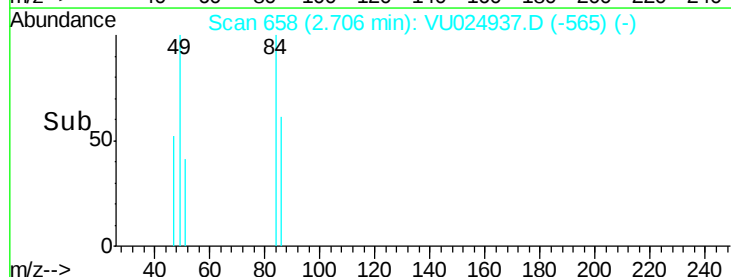
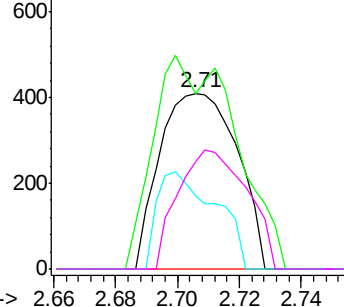


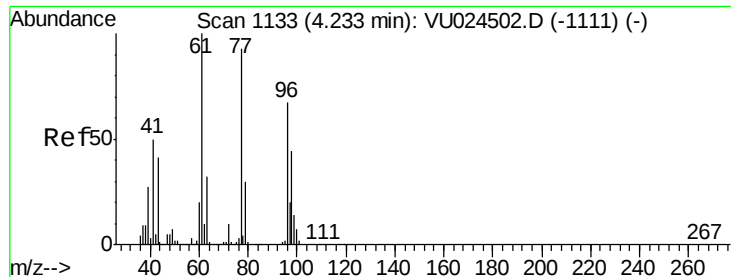
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 0.765 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VU024937.D

Acq: 26 Jun 2018 22:20

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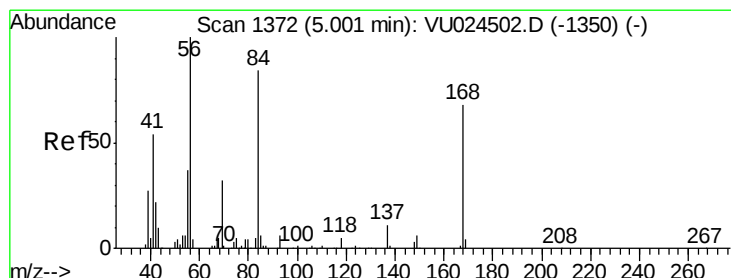
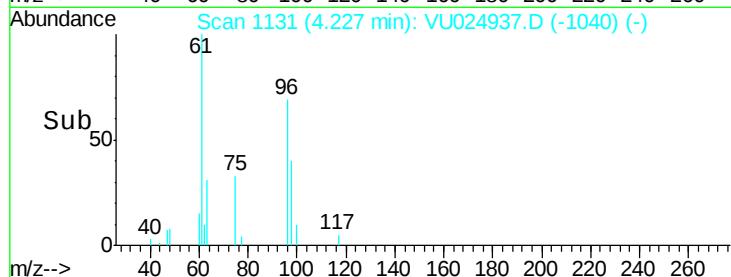
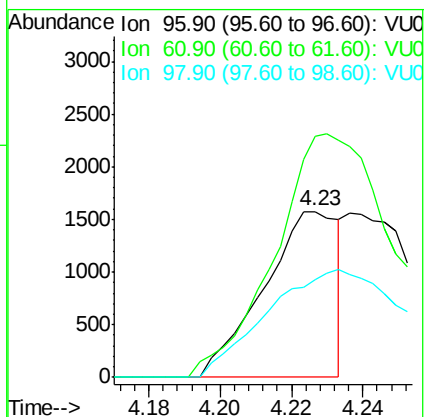
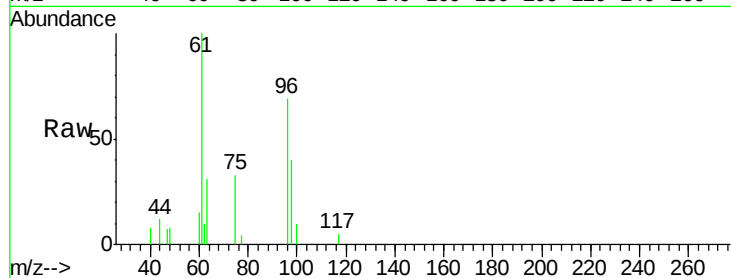
Tgt Ion: 96 Resp: 2282

Ion Ratio Lower Upper

96 100

61 241.8 0.0 306.6

98 124.8 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024937.D

Acq: 26 Jun 2018 22:20

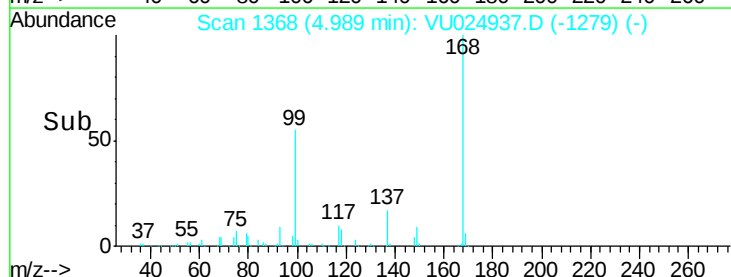
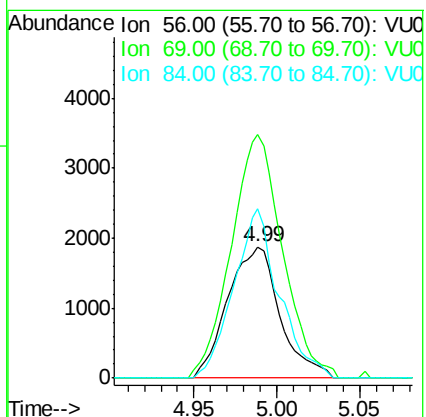
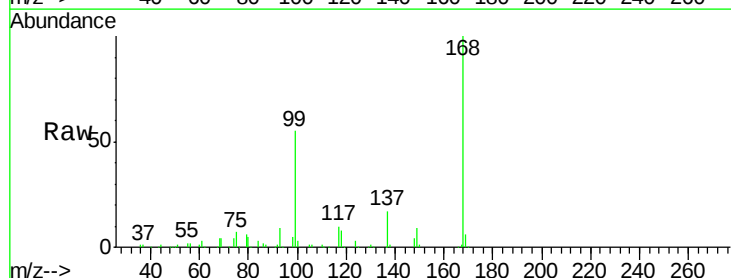
Tgt Ion: 56 Resp: 4114

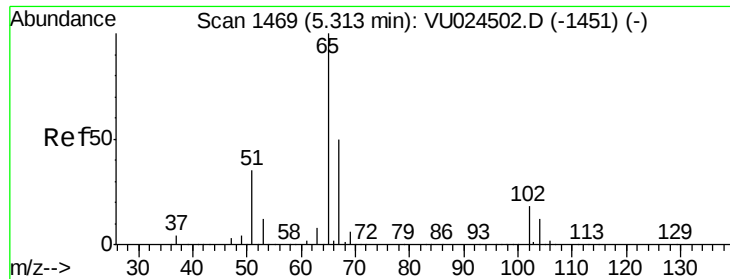
Ion Ratio Lower Upper

56 100

69 185.4 24.8 37.2#

84 129.3 65.2 97.8#

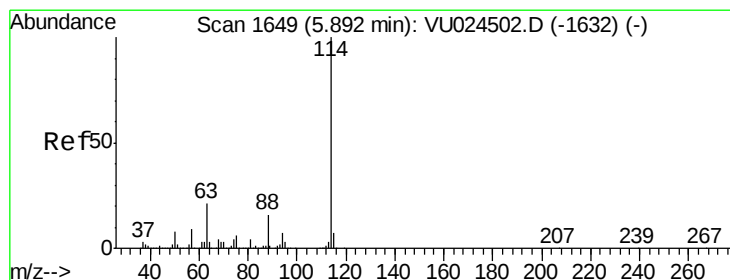
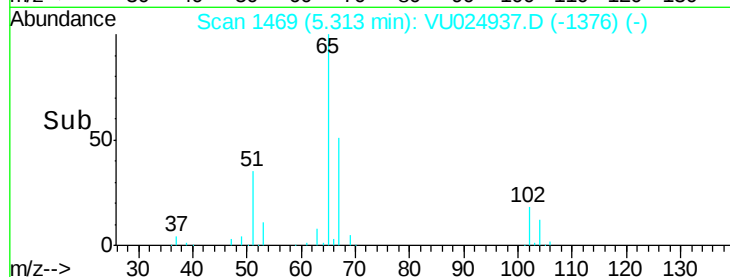
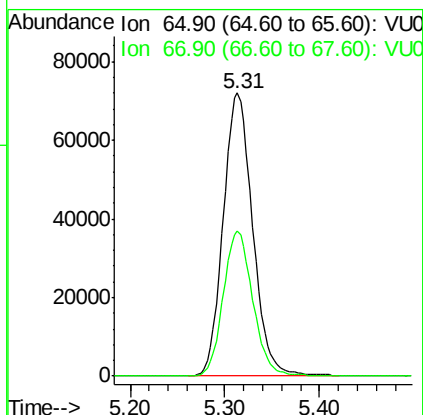
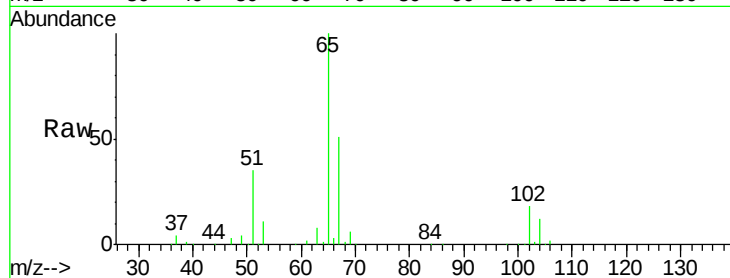




#33
 1,2-Dichloroethane-d4
 Concen: 46.275 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024937.D
 Acq: 26 Jun 2018 22:20

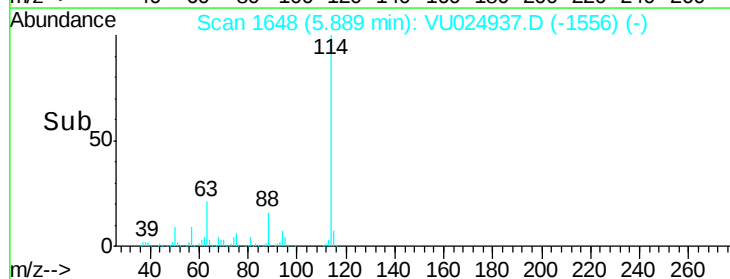
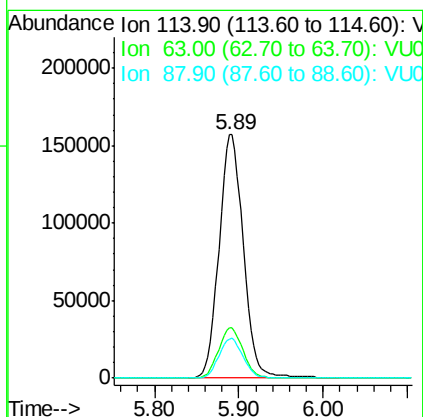
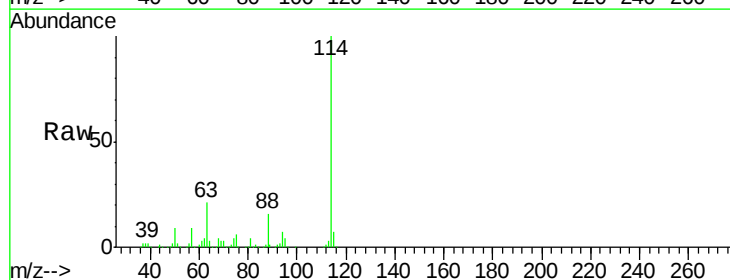
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB483-35-37-180620ME

Tgt Ion: 65 Resp: 156210
 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# 1648
 Delta R.T. -0.00 min
 Lab File: VU024937.D
 Acq: 26 Jun 2018 22:20

Tgt Ion: 114 Resp: 314385
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 16.1 0.0 31.0

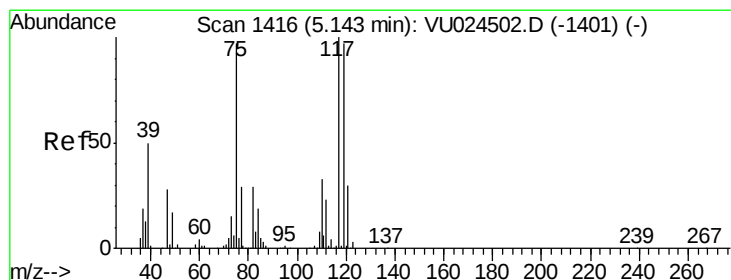
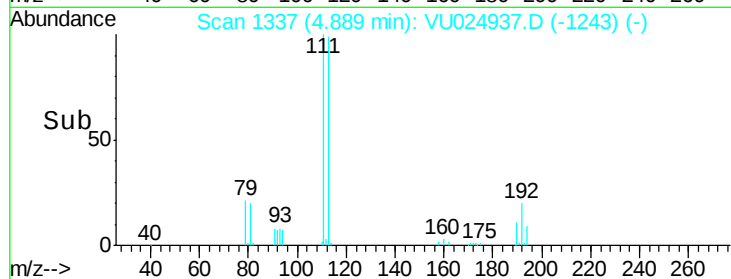
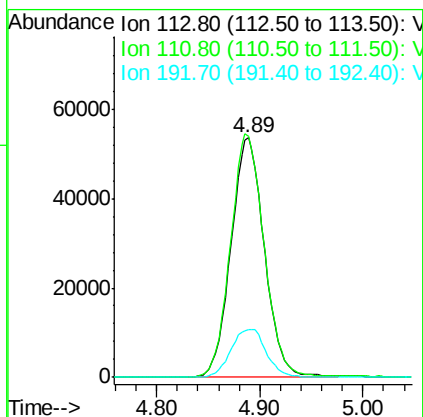
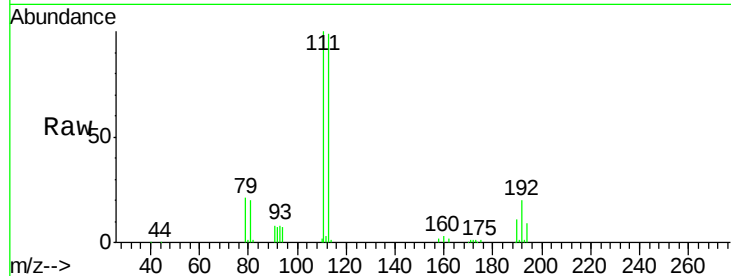




#35
 Dibromofluoromethane
 Concen: 46.263 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024937.D
 Acq: 26 Jun 2018 22:20

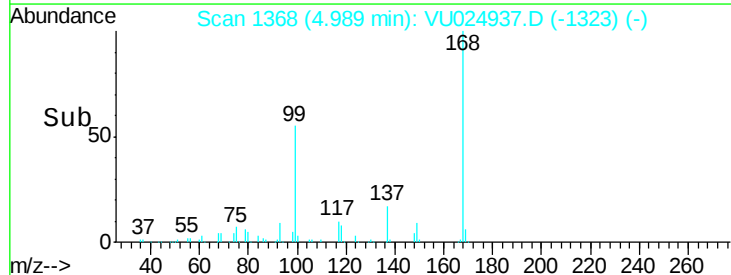
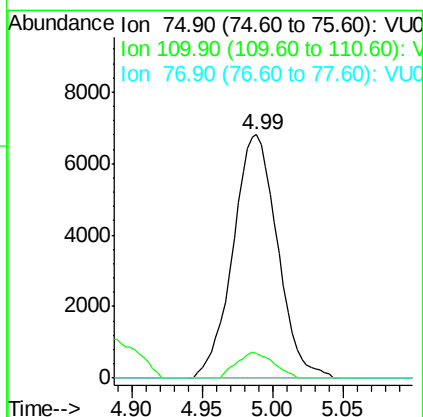
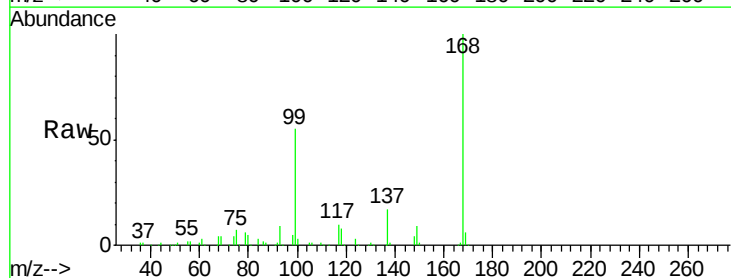
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB483-35-37-180620ME

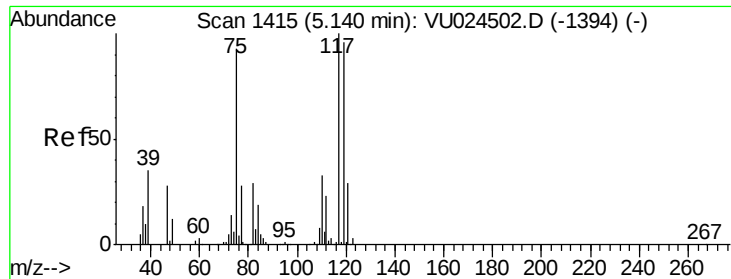
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	21.2	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.060 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024937.D
 Acq: 26 Jun 2018 22:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.812 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024937.D

Acq: 26 Jun 2018 22:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB483-35-37-180620ME

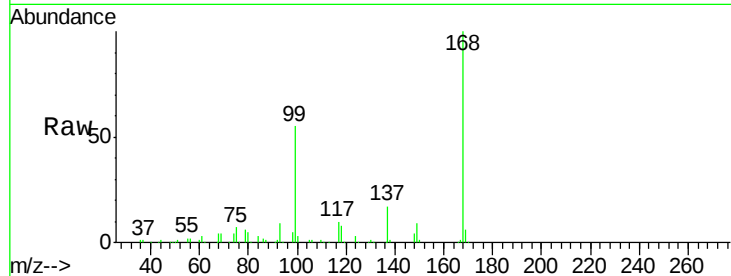
Tgt Ion:117 Resp: 19548

Ion Ratio Lower Upper

117 100

119 3.6 76.1 114.1#

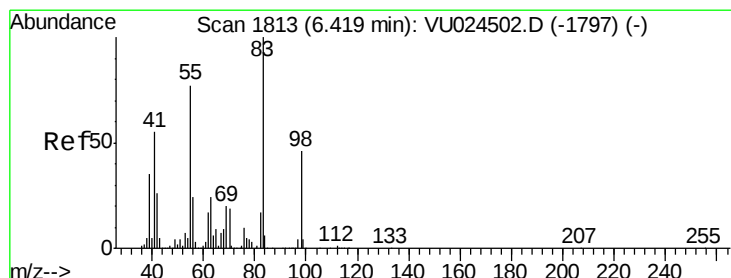
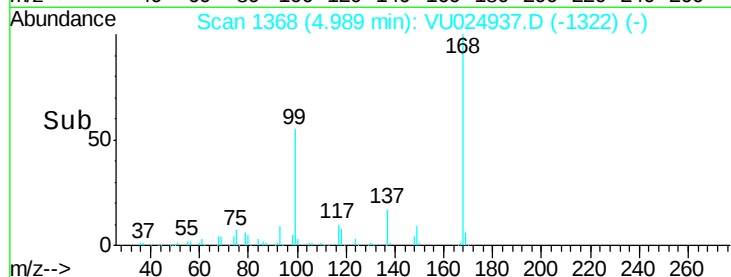
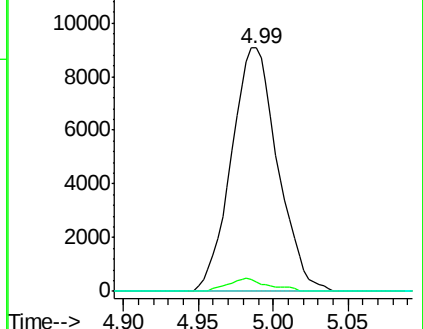
121 0.0 23.7 35.5#



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



#39

Methylcyclohexane

Concen: 0.578 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.23 min

Lab File: VU024937.D

Acq: 26 Jun 2018 22:20

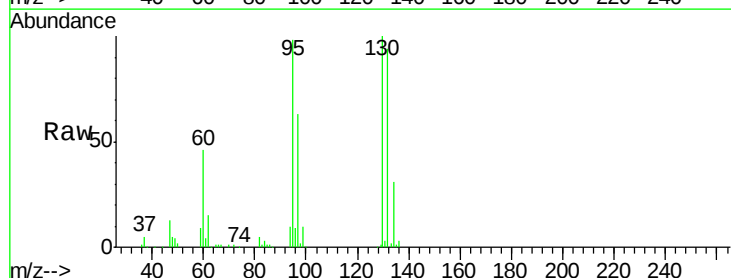
Tgt Ion: 83 Resp: 2664

Ion Ratio Lower Upper

83 100

55 0.0 65.8 98.6#

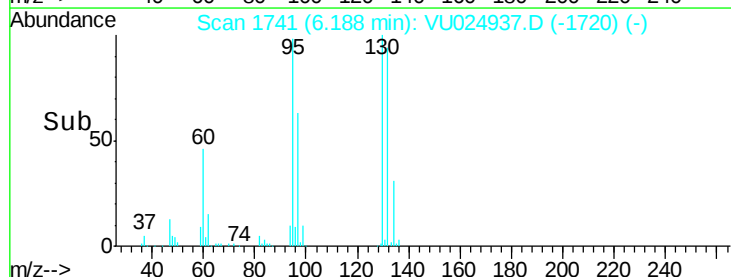
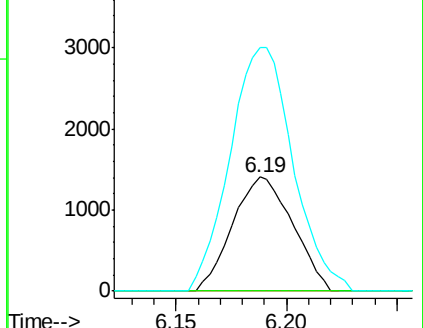
98 213.5 36.7 55.1#

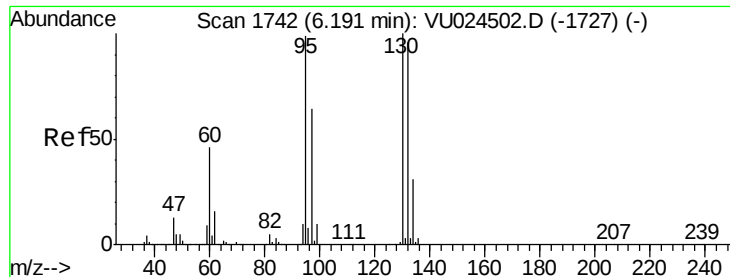


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#44

Trichloroethene

Concen: 81.995 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024937.D

Acq: 26 Jun 2018 22:20

Instrument :

MSVOA_U

ClientSampleId :

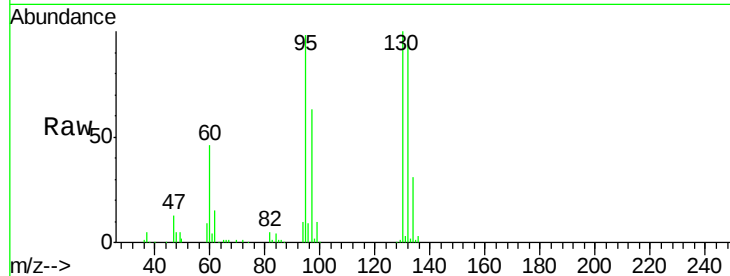
WP021SB483-35-37-180620ME

Tgt Ion:130 Resp: 245645

Ion Ratio Lower Upper

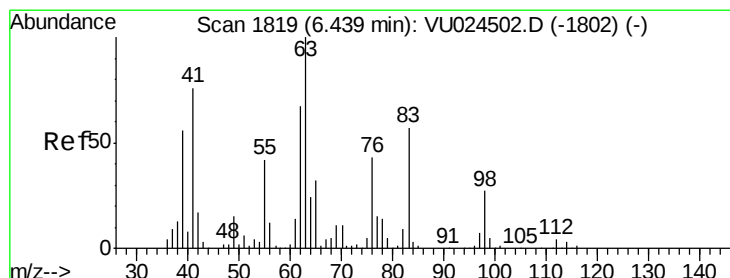
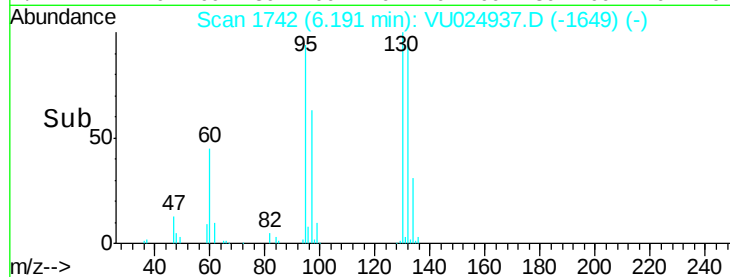
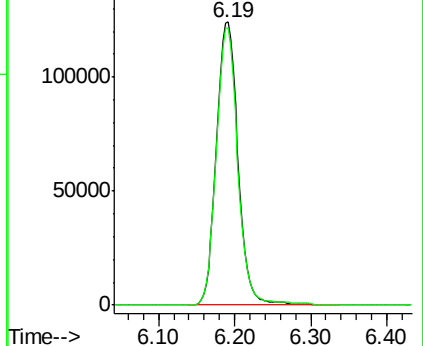
130 100

95 97.9 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#45

1,2-Dichloropropane

Concen: 0.286 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.25 min

Lab File: VU024937.D

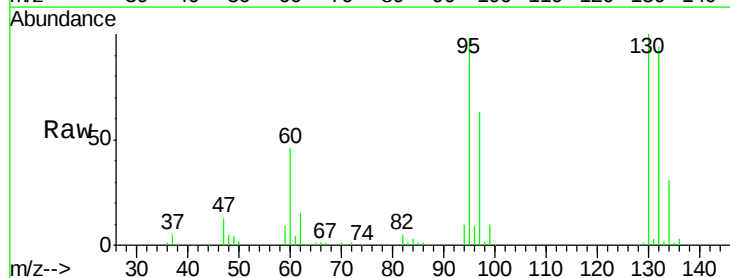
Acq: 26 Jun 2018 22:20

Tgt Ion: 63 Resp: 802

Ion Ratio Lower Upper

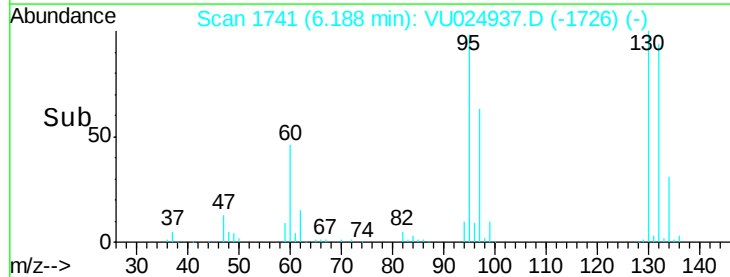
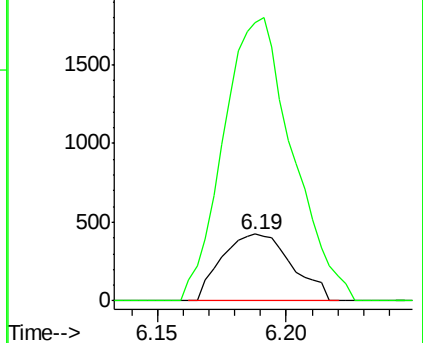
63 100

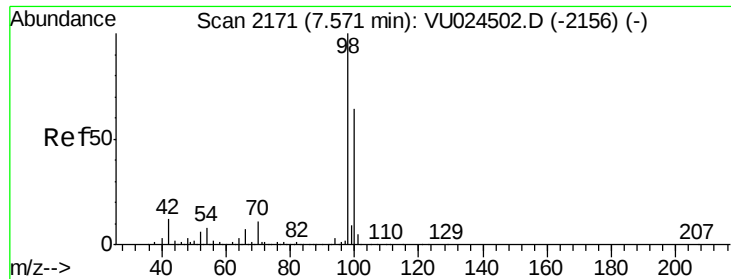
65 386.1 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

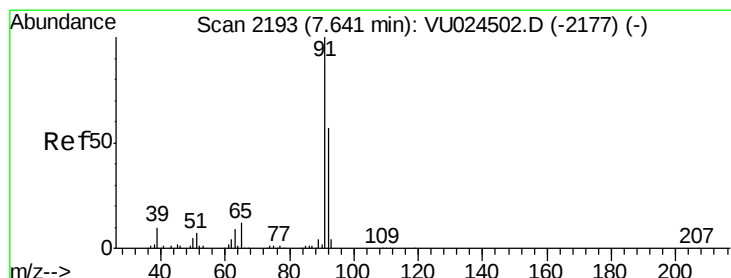
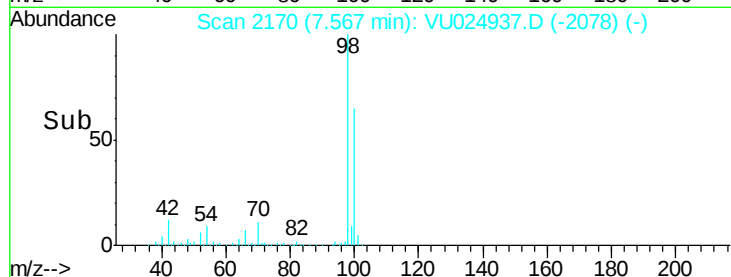
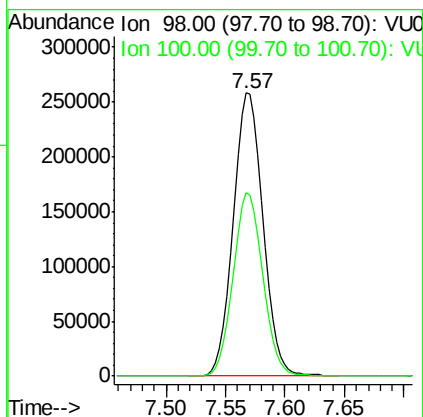
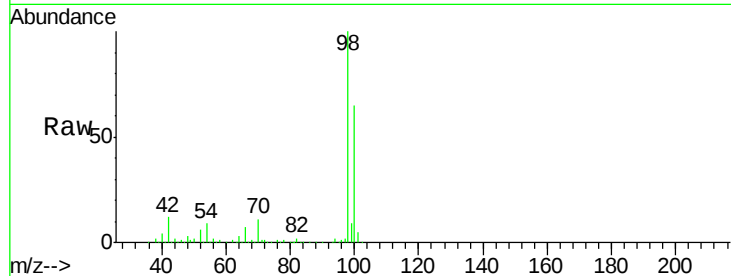




#50
Toluene-d8
Concen: 47.197 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024937.D
Acq: 26 Jun 2018 22:20

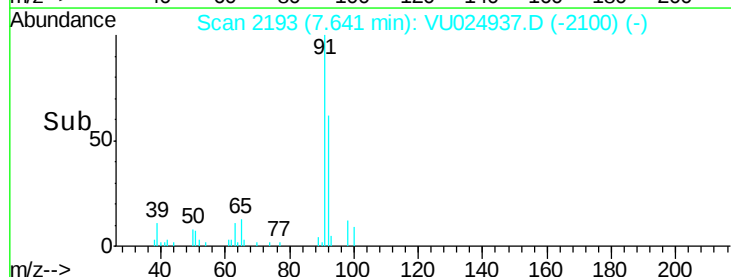
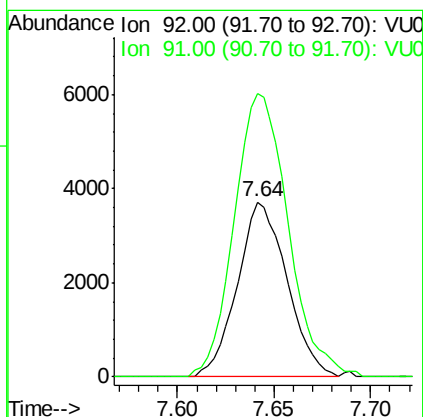
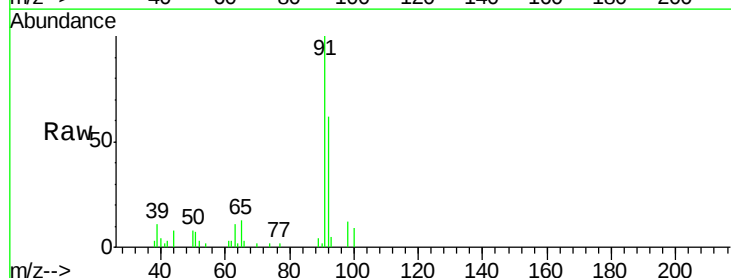
Instrument :
MSVOA_U
ClientSampleId :
WP021SB483-35-37-180620ME

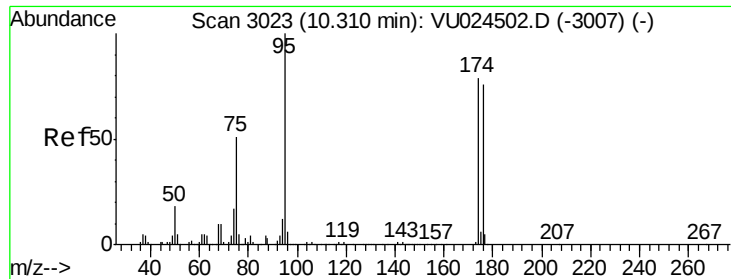
Tgt Ion: 98 Resp: 449182
Ion Ratio Lower Upper
98 100
100 64.7 51.1 76.7



#52
Toluene
Concen: 0.976 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU024937.D
Acq: 26 Jun 2018 22:20

Tgt Ion: 92 Resp: 6607
Ion Ratio Lower Upper
92 100
91 176.3 140.5 210.7

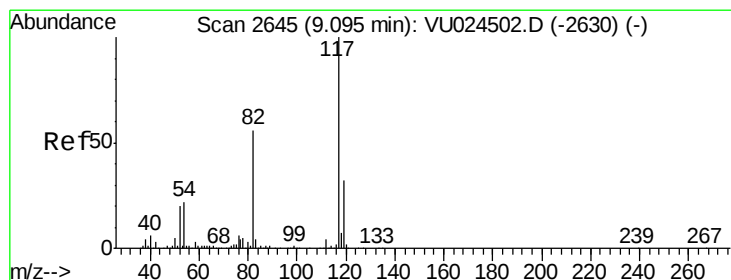
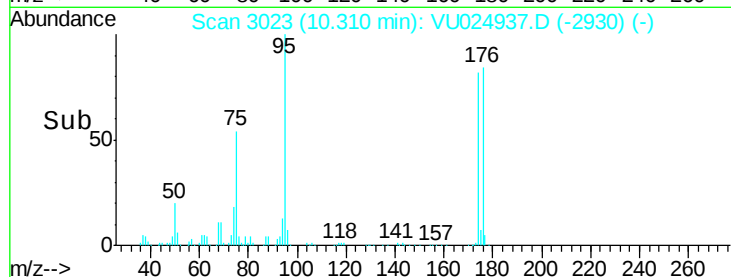
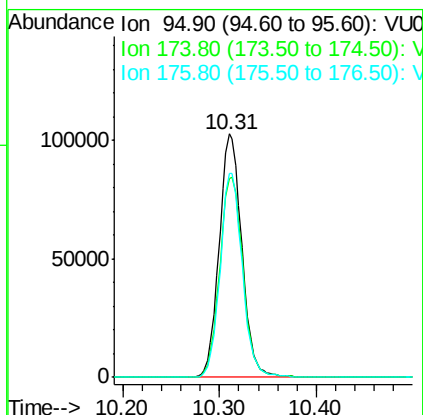
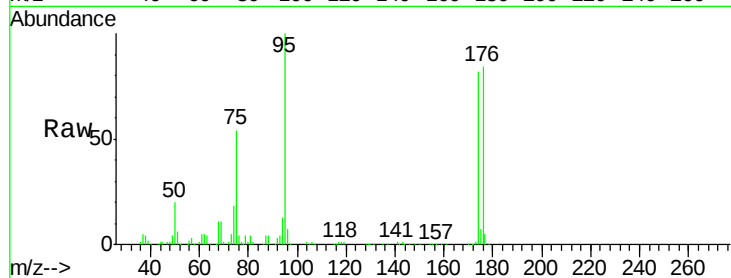




#62
4-Bromofluorobenzene
Concen: 44.216 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024937.D
Acq: 26 Jun 2018 22:20

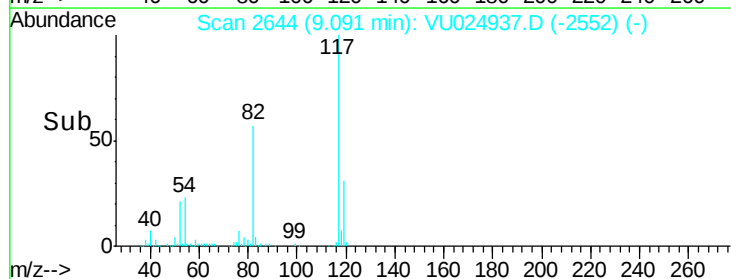
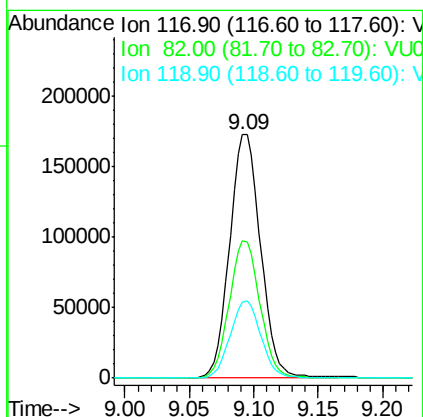
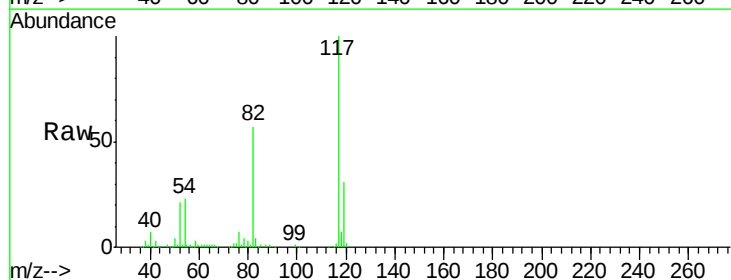
Instrument :
MSVOA_U
ClientSampleId :
WP021SB483-35-37-180620ME

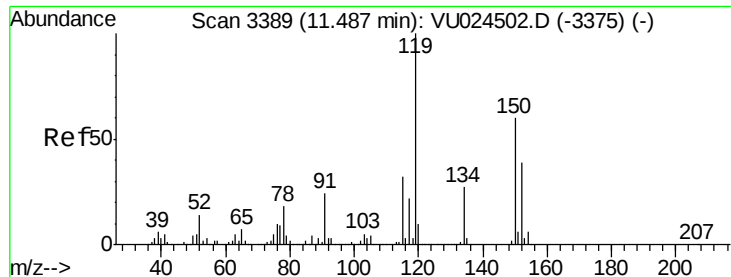
Tgt Ion: 95 Resp: 167079
Ion Ratio Lower Upper
95 100
174 84.5 0.0 165.8
176 82.0 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024937.D
Acq: 26 Jun 2018 22:20

Tgt Ion: 117 Resp: 288913
Ion Ratio Lower Upper
117 100
82 56.6 44.3 66.5
119 31.2 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: VU024937.D

Acq: 26 Jun 2018 22:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB483-35-37-180620ME

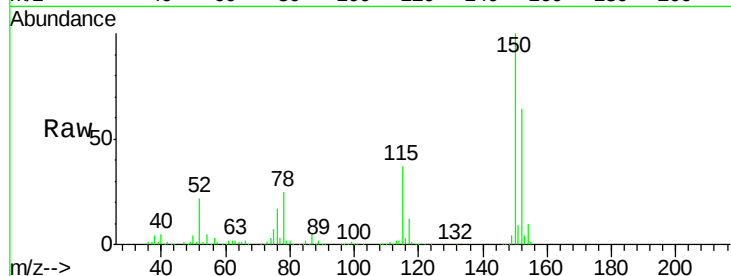
Tgt Ion:152 Resp: 156072

Ion Ratio Lower Upper

152 100

115 57.8 43.0 129.0

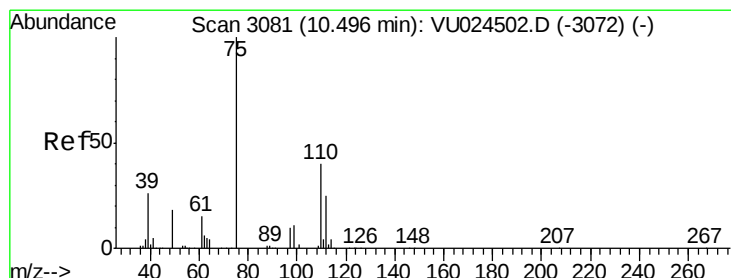
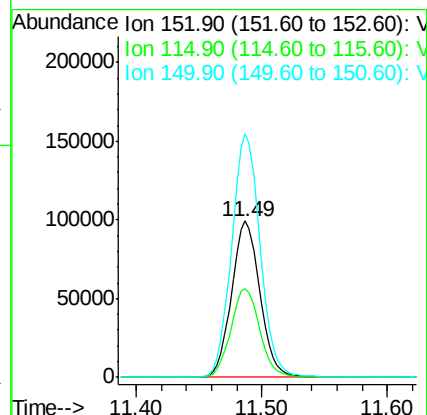
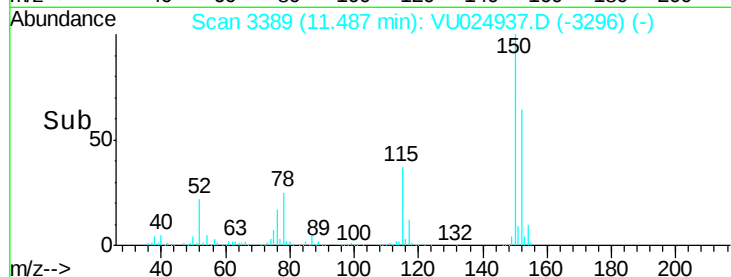
150 155.9 0.0 354.0



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: 25.869 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024937.D

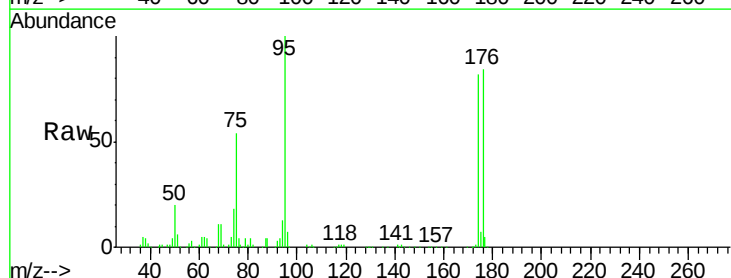
Acq: 26 Jun 2018 22:20

Tgt Ion: 75 Resp: 88891

Ion Ratio Lower Upper

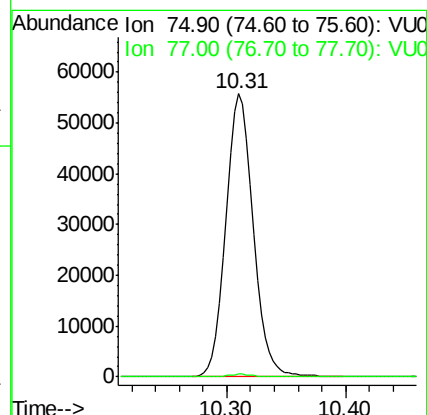
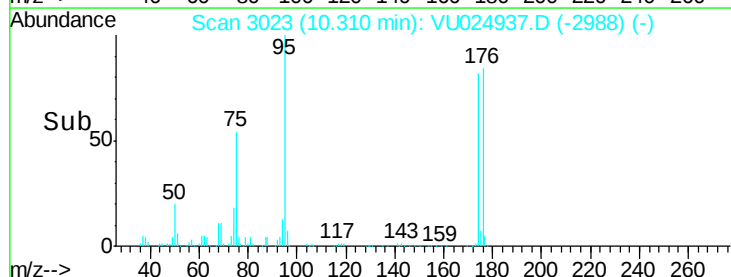
75 100

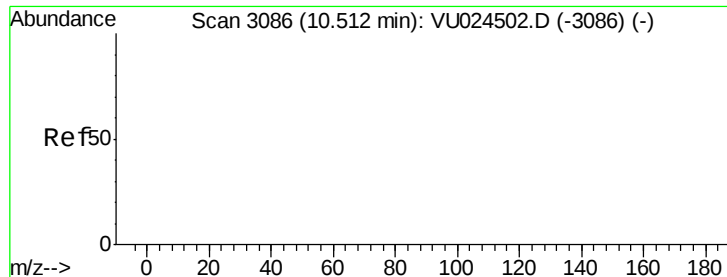
77 0.9 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

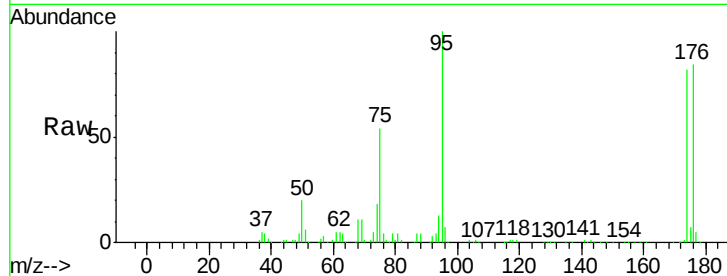




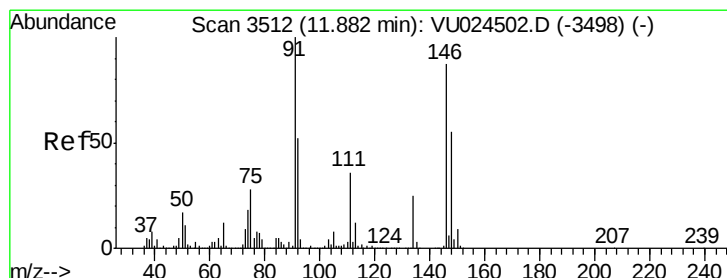
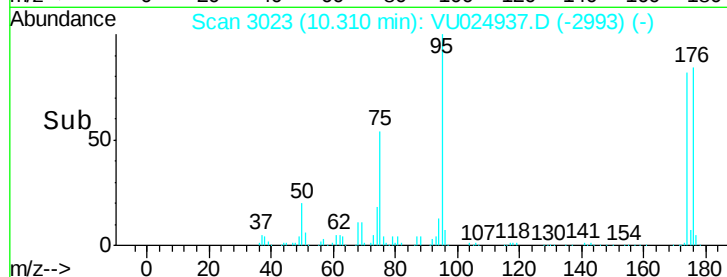
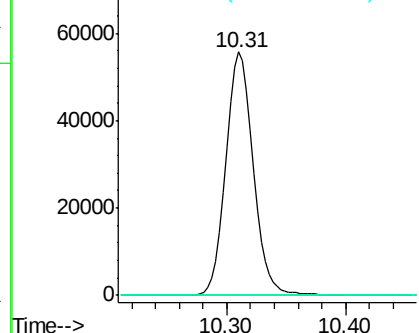
#81
trans-1,4-Dichloro-2-butene
Concen: 59.873 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024937.D
Acq: 26 Jun 2018 22:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB483-35-37-180620ME

Tgt Ion: 75 Resp: 88891
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

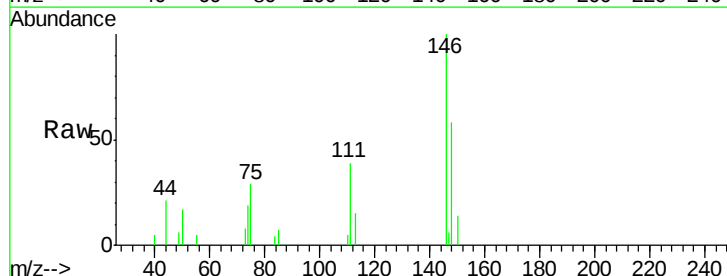


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

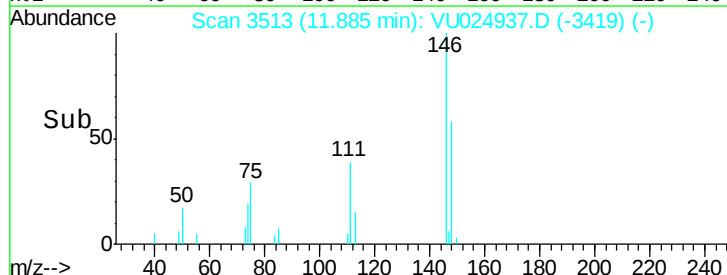
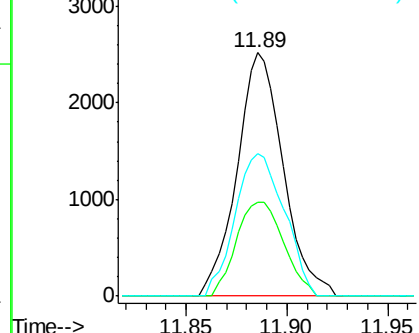


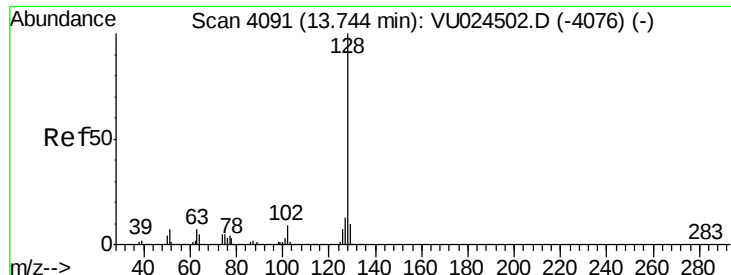
#91
1,2-Dichlorobenzene
Concen: 0.719 ug/l
RT: 11.89 min Scan# 3513
Delta R.T. 0.00 min
Lab File: VU024937.D
Acq: 26 Jun 2018 22:20

Tgt Ion: 146 Resp: 4037
Ion Ratio Lower Upper
146 100
111 39.6 20.5 61.6
148 62.4 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#95

Naphthalene

Concen: 0.703 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

Lab File: VU024937.D

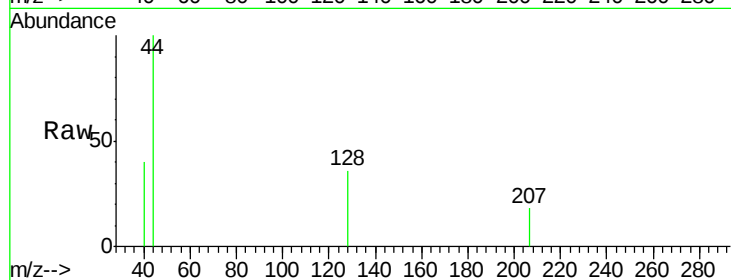
Acq: 26 Jun 2018 22:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB483-35-37-180620ME



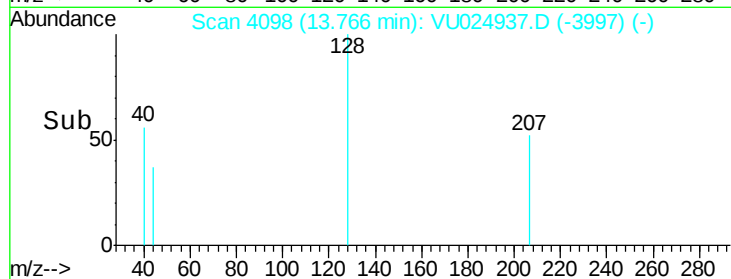
Tgt Ion:128 Resp: 276

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): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

