

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024946.D
 Acq On : 27 Jun 2018 01:58
 Operator : MD/SY
 Sample : J3664-24ME 20X
 Misc : 7.58g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB471-35-37-180619ME

Quant Time: Jun 27 04:18:43 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	207644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	315380	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153949	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	158477	46.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.50%	
35) Dibromofluoromethane	4.89	113	122642	46.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.72%	
50) Toluene-d8	7.57	98	457075	47.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.76%	
62) 4-Bromofluorobenzene	10.31	95	168272	44.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.78%	

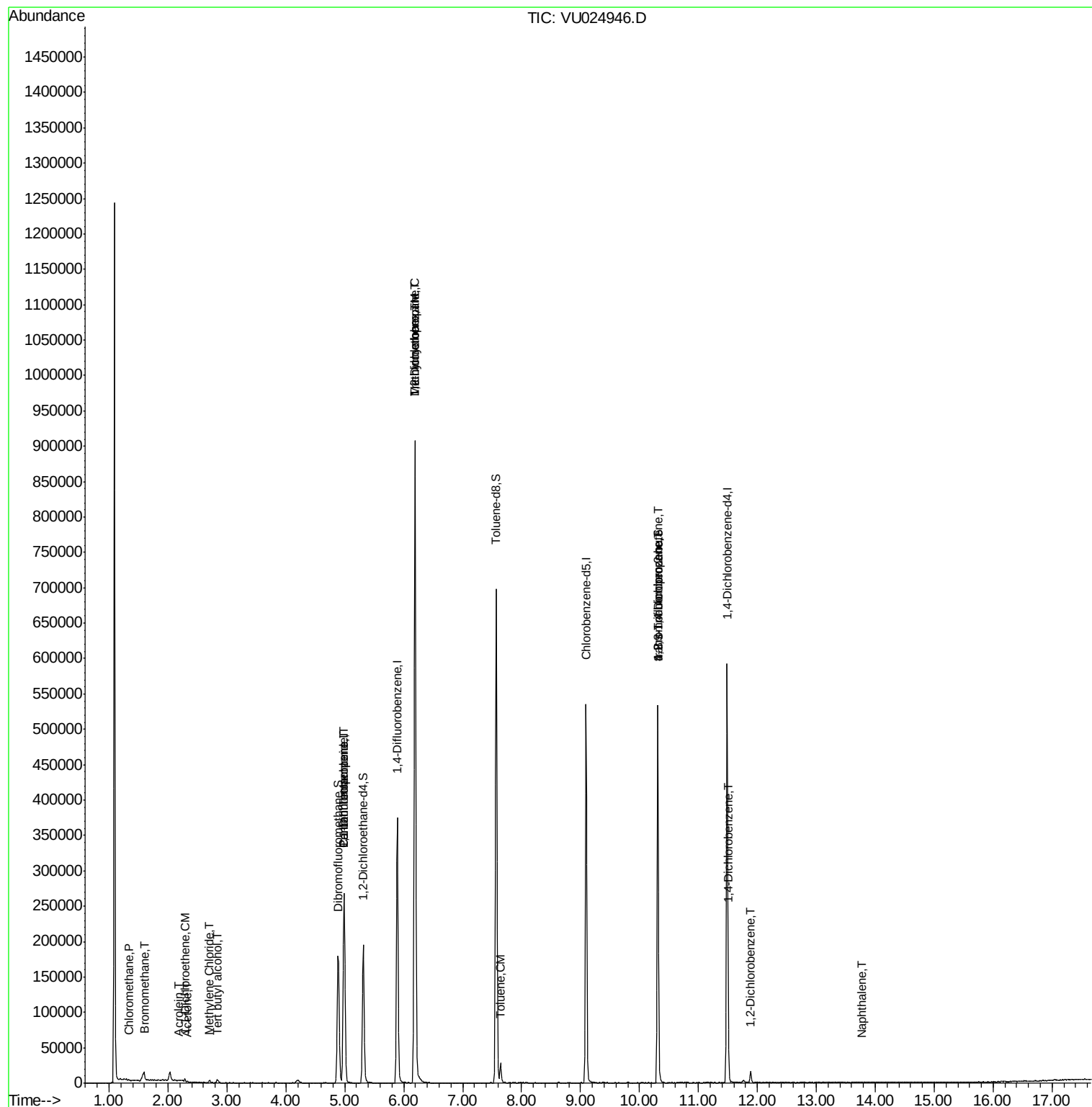
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	557	0.210	ug/l #	68
5) Bromomethane	1.62	94	341	0.258	ug/l #	64
6) Chloroethane	1.66	64	19	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	2602	3.156	ug/l #	72
12) 1,1-Dichloroethene	2.28	96	1327	0.561	ug/l	85
13) Acrolein	2.19	56	160	0.370	ug/l #	13
16) Acetone	2.32	43	1279	0.702	ug/l	99
20) Methylene Chloride	2.71	84	1686	0.590	ug/l #	94
31) Cyclohexane	4.99	56	4408	Below Cal	#	17
36) 1,1-Dichloropropene	4.99	75	15805	4.265	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19702	4.834	ug/l #	16
39) Methylcyclohexane	6.19	83	3607	0.780	ug/l #	1
44) Trichloroethene	6.19	130	320206	106.545	ug/l	98
45) 1,2-Dichloropropane	6.19	63	1092	0.388	ug/l #	1
52) Toluene	7.64	92	11103	1.634	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	88382	26.076	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	88382	60.351	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	1215	0.218	ug/l #	63
91) 1,2-Dichlorobenzene	11.89	146	6930	1.252	ug/l	96
95) Naphthalene	13.76	128	99	0.688	ug/l #	69

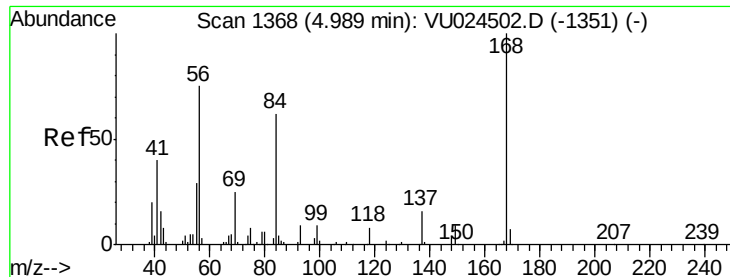
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024946.D

Acq: 27 Jun 2018 01:58

Instrument :

MSVOA_U

ClientSampleId :

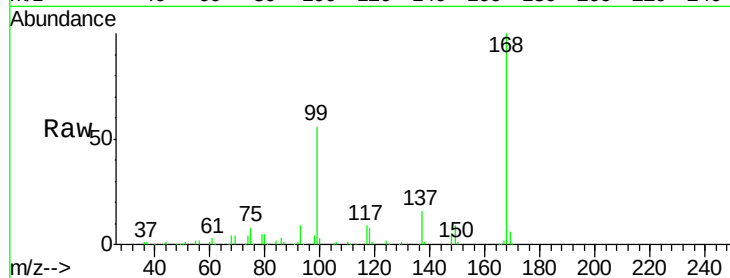
WP021SB471-35-37-180619ME

Tgt Ion:168 Resp: 207644

Ion Ratio Lower Upper

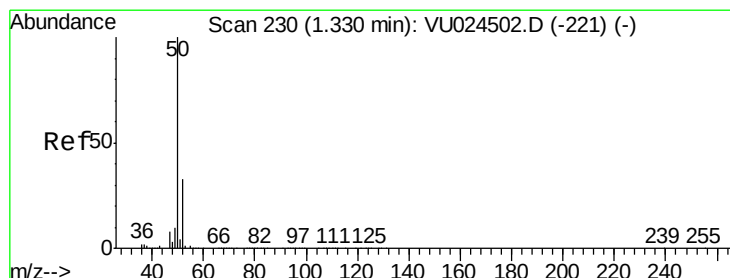
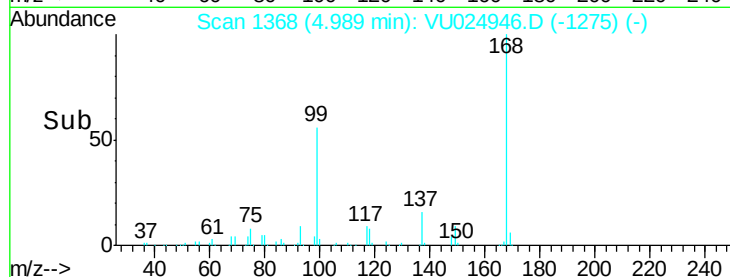
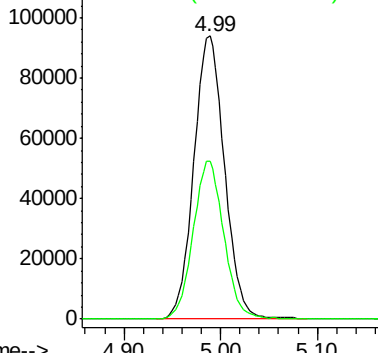
168 100

99 55.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024946.D

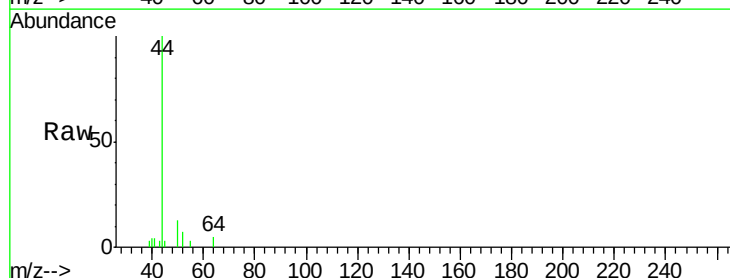
Acq: 27 Jun 2018 01:58

Tgt Ion: 50 Resp: 557

Ion Ratio Lower Upper

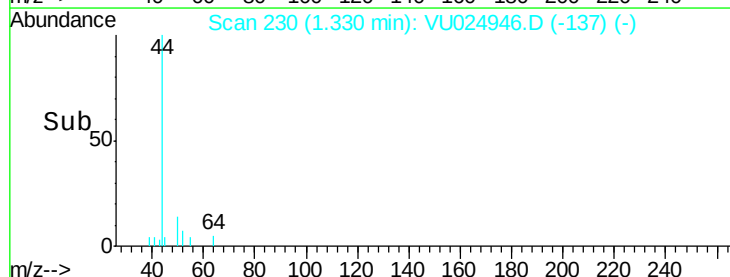
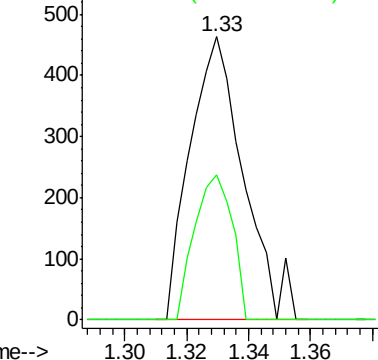
50 100

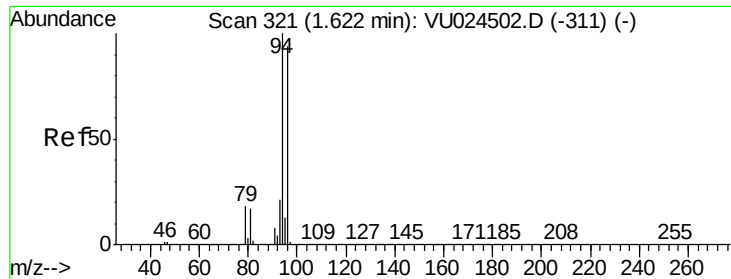
52 51.2 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0





#5

Bromomethane

Concen: 0.258 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU024946.D

Acq: 27 Jun 2018 01:58

Instrument :

MSVOA_U

ClientSampleId :

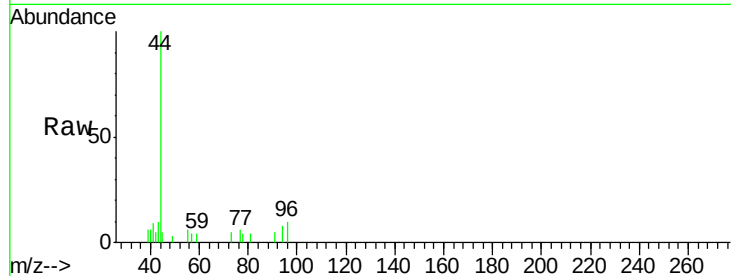
WP021SB471-35-37-180619ME

Tgt Ion: 94 Resp: 341

Ion Ratio Lower Upper

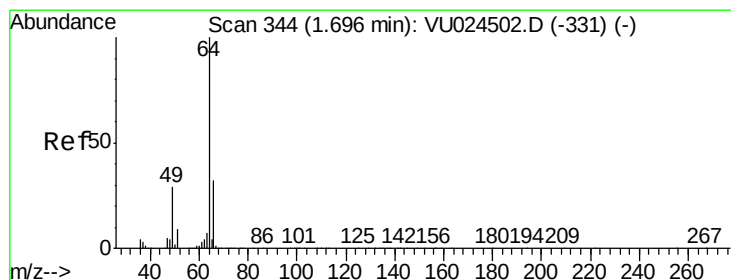
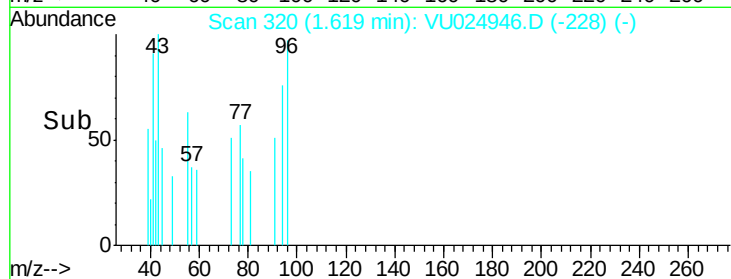
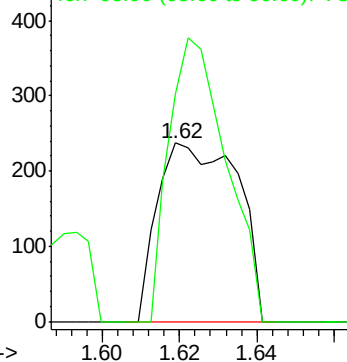
94 100

96 127.8 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: 1.66 min Scan# 333

Delta R.T. -0.04 min

Lab File: VU024946.D

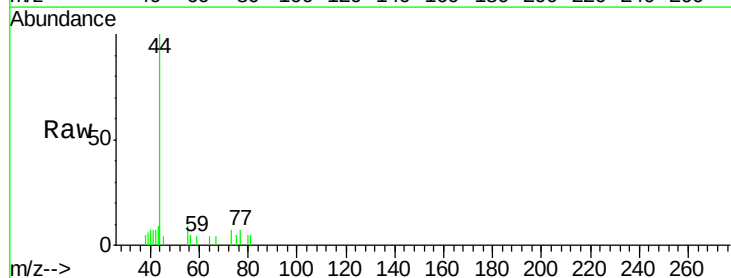
Acq: 27 Jun 2018 01:58

Tgt Ion: 64 Resp: 19

Ion Ratio Lower Upper

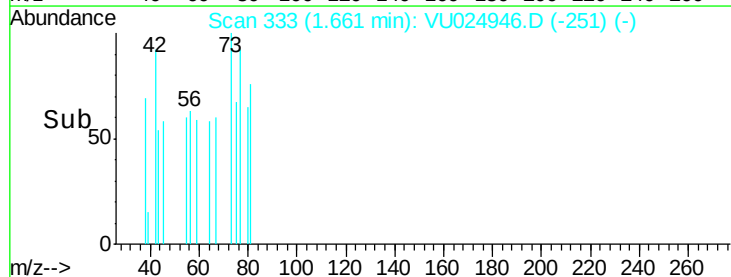
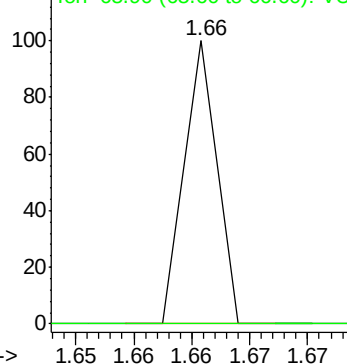
64 100

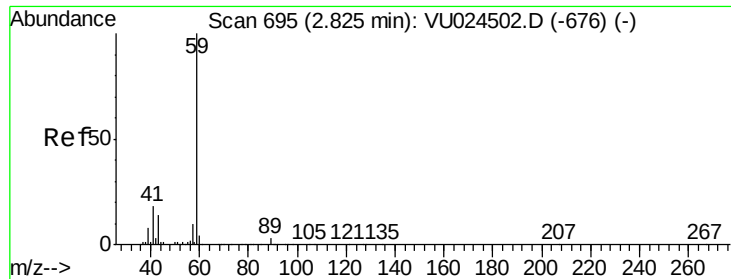
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

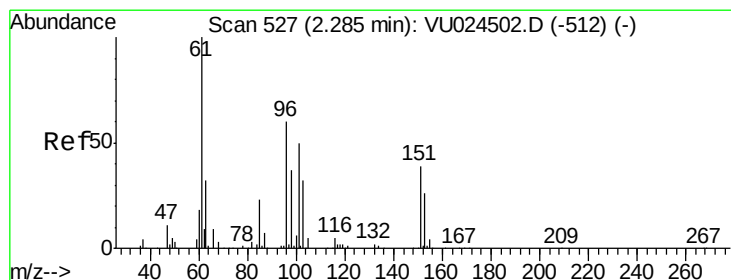
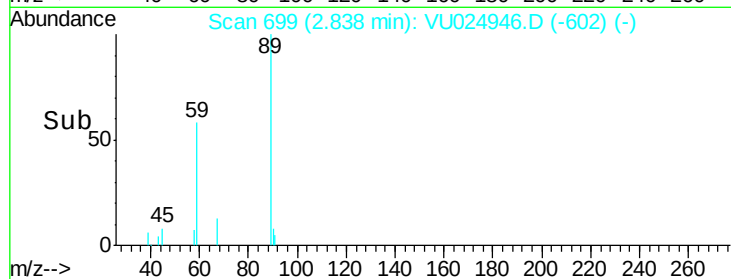
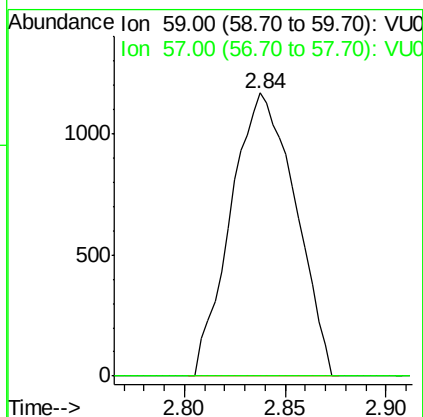
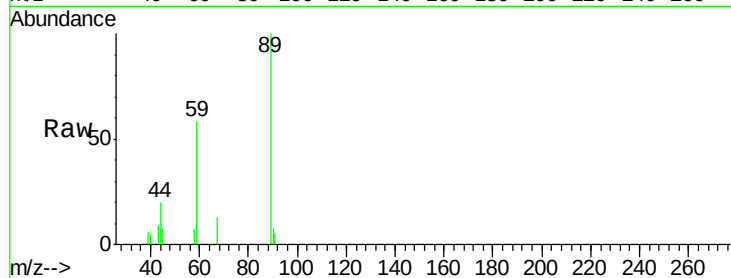




#11
Tert butyl alcohol
Concen: 3.156 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU024946.D
Acq: 27 Jun 2018 01:58

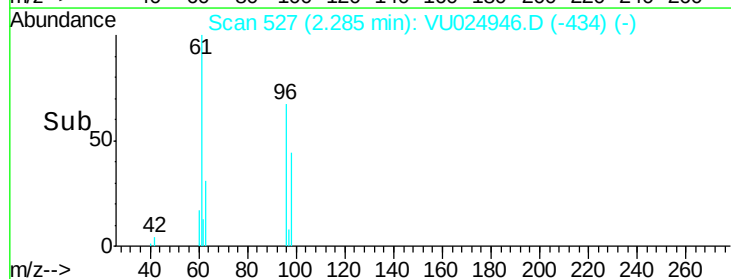
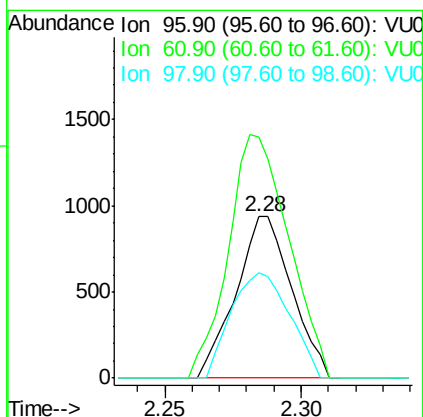
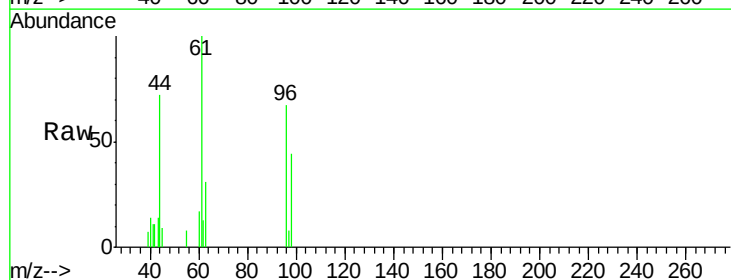
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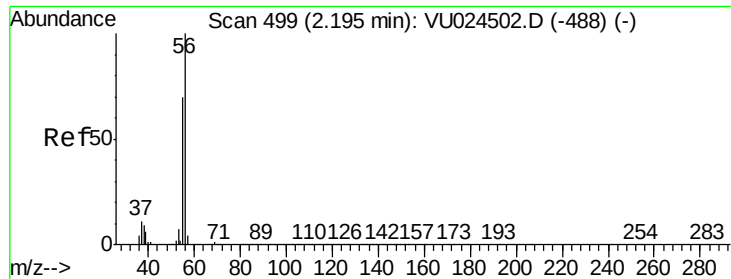
Tgt Ion: 59 Resp: 2602
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 0.561 ug/l
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU024946.D
Acq: 27 Jun 2018 01:58

Tgt Ion: 96 Resp: 1327
Ion Ratio Lower Upper
96 100
61 148.9 141.7 212.5
98 65.2 51.6 77.4





#13

Acrolein

Concen: 0.370 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024946.D

Acq: 27 Jun 2018 01:58

Instrument :

MSVOA_U

ClientSampleId :

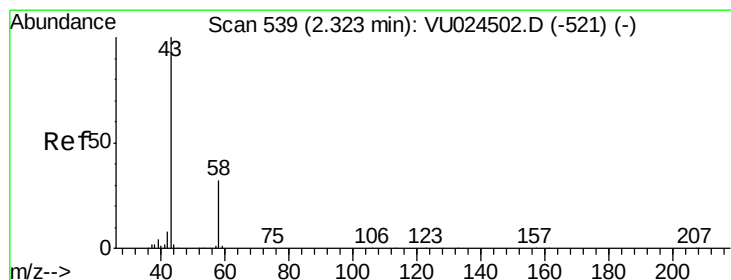
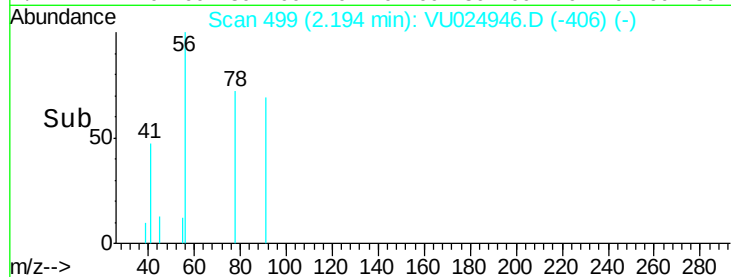
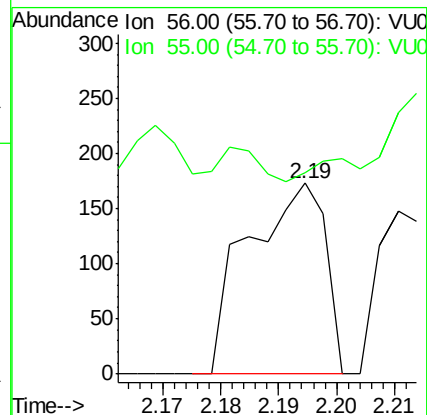
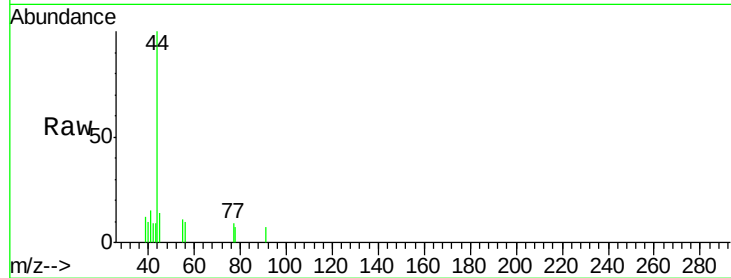
WP021SB471-35-37-180619ME

Tgt Ion: 56 Resp: 160

Ion Ratio Lower Upper

56 100

55 0.0 58.4 87.6#



#16

Acetone

Concen: 0.702 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024946.D

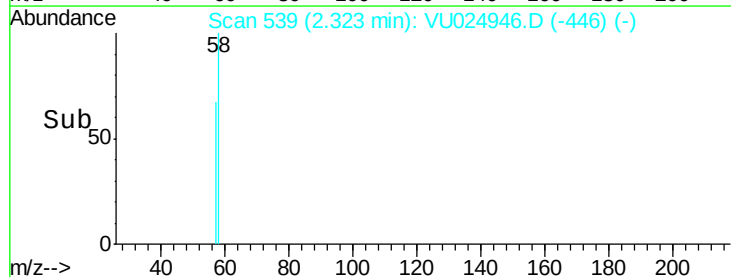
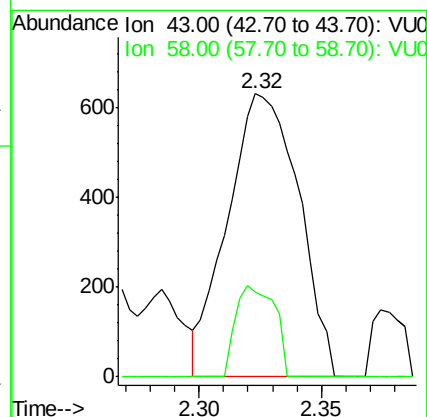
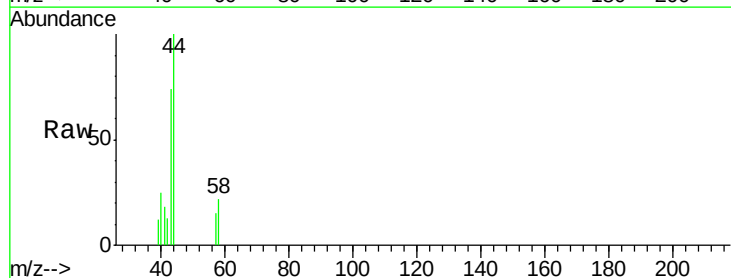
Acq: 27 Jun 2018 01:58

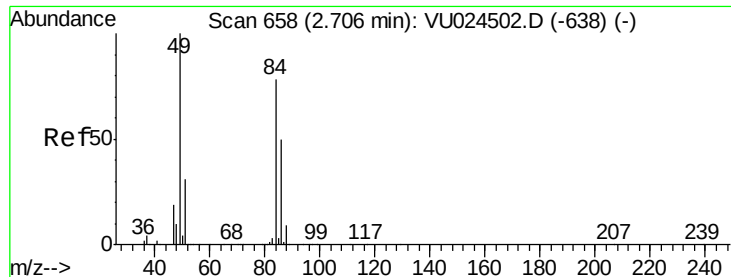
Tgt Ion: 43 Resp: 1279

Ion Ratio Lower Upper

43 100

58 30.1 24.4 36.6

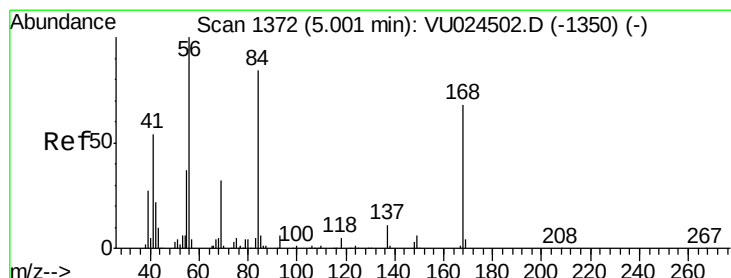
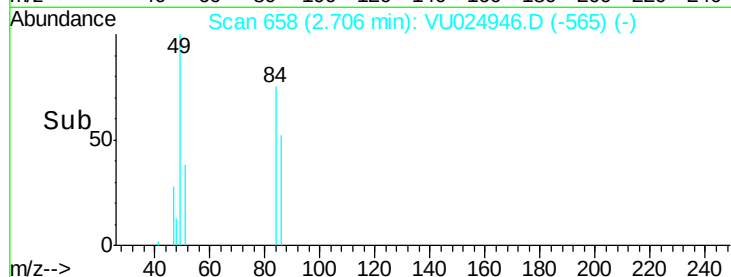
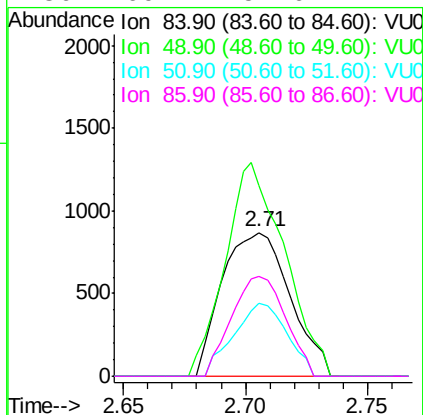
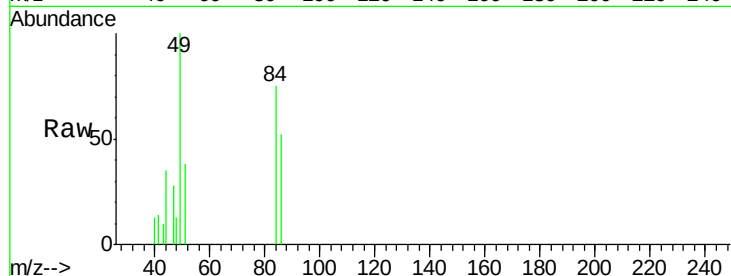




#20
Methylene Chloride
Concen: 0.590 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU024946.D
Acq: 27 Jun 2018 01:58

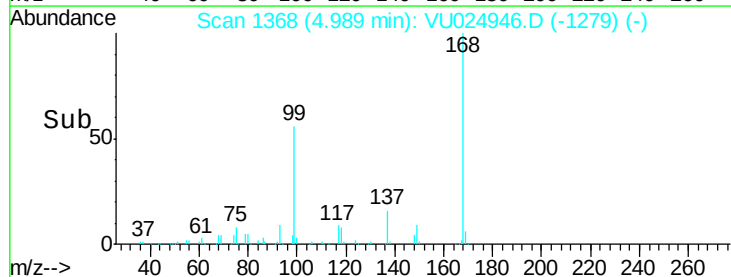
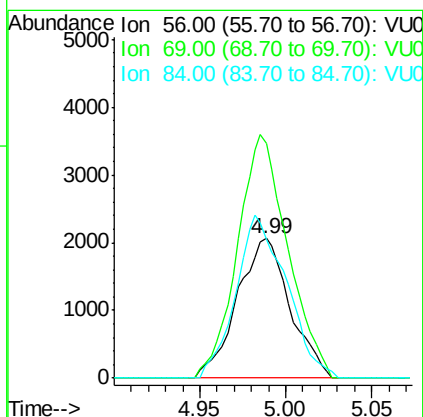
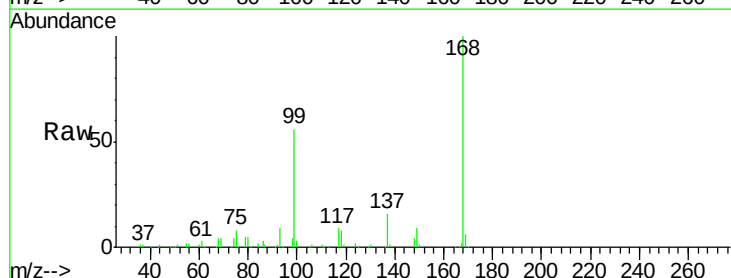
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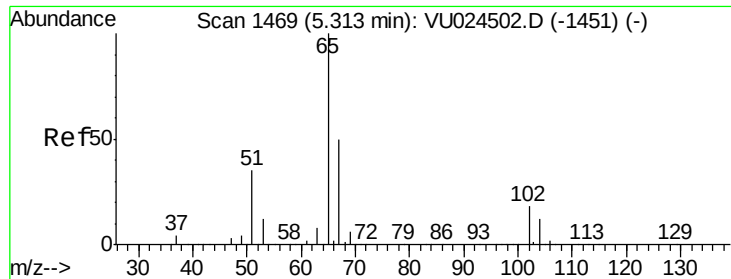
Tgt Ion:	84	Resp:	1686
Ion	Ratio	Lower	Upper
84	100		
49	133.2	103.8	155.8
51	50.6	32.0	48.0#
86	69.2	51.6	77.4



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024946.D
Acq: 27 Jun 2018 01:58

Tgt Ion:	56	Resp:	4408
Ion	Ratio	Lower	Upper
56	100		
69	168.6	24.8	37.2#
84	99.2	65.2	97.8#

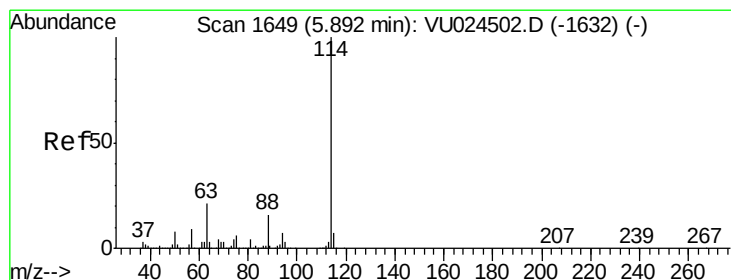
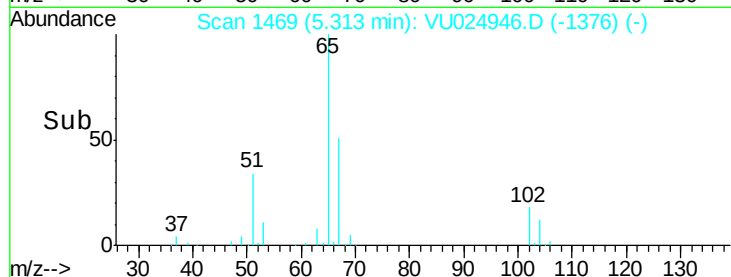
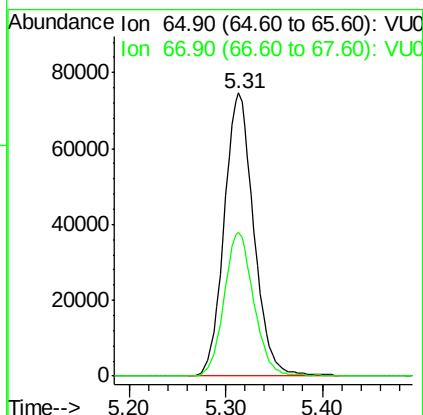
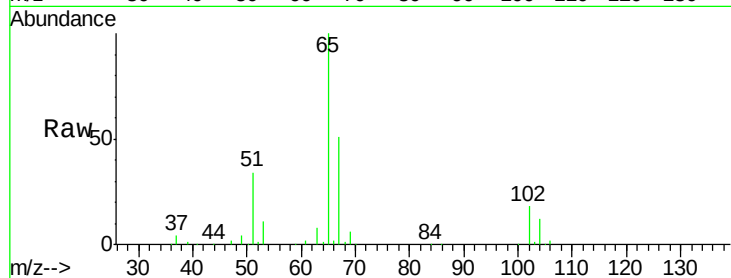




#33
 1,2-Dichloroethane-d4
 Concen: 46.751 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024946.D
 Acq: 27 Jun 2018 01:58

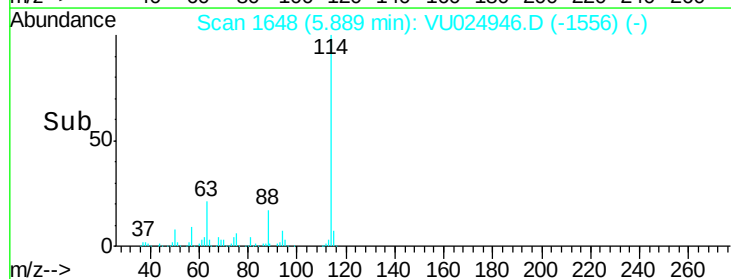
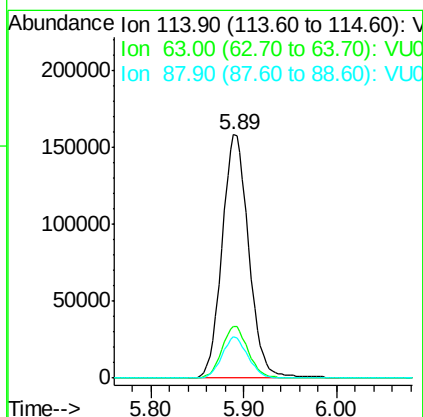
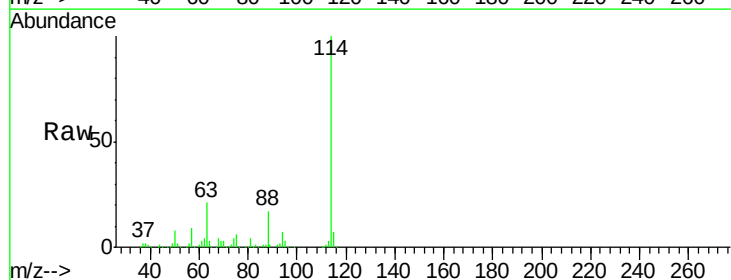
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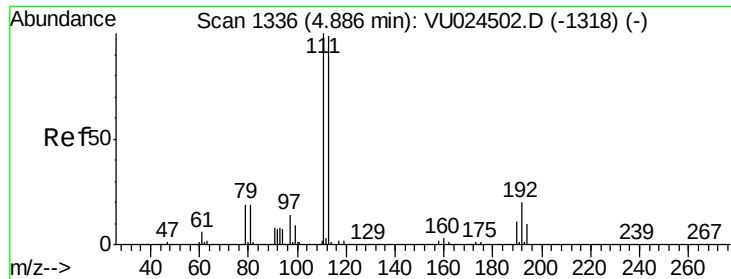
Tgt Ion: 65 Resp: 158477
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024946.D
 Acq: 27 Jun 2018 01:58

Tgt Ion: 114 Resp: 315380
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 45.4
 88 17.0 0.0 31.0

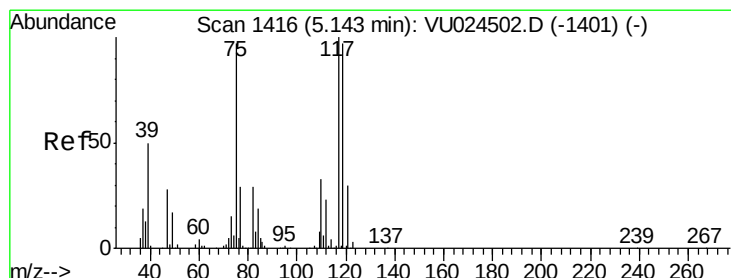
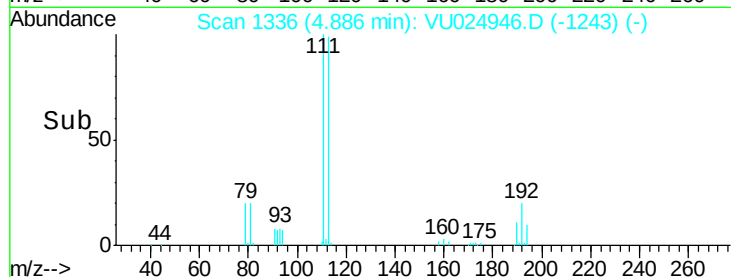
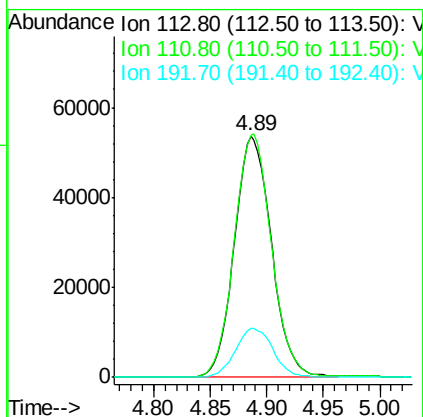
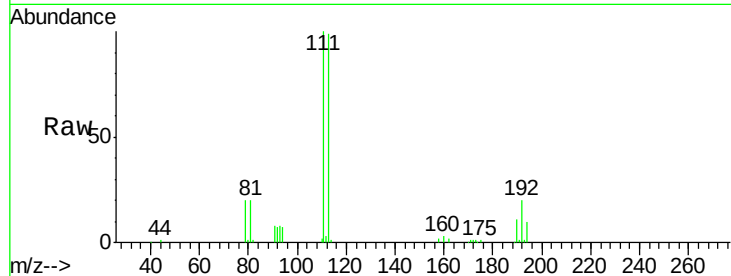




#35
 Dibromofluoromethane
 Concen: 46.856 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024946.D
 Acq: 27 Jun 2018 01:58

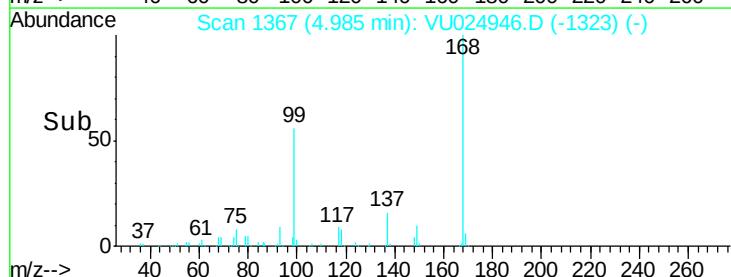
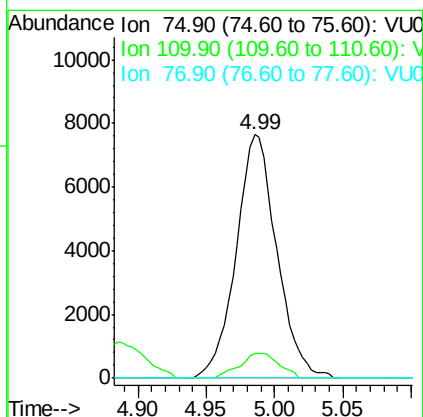
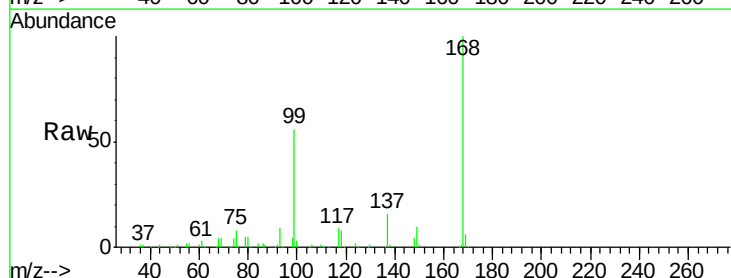
Instrument :
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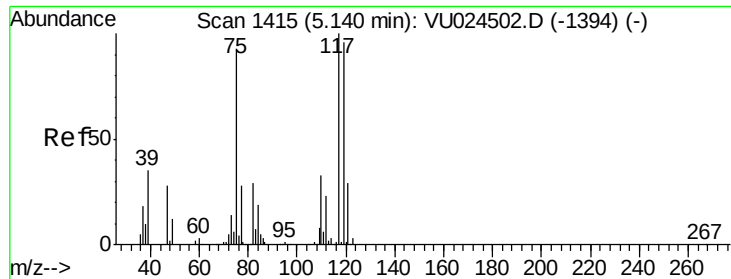
Tgt Ion:113 Resp: 122642
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.2 123.4
 192 20.7 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 4.265 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024946.D
 Acq: 27 Jun 2018 01:58

Tgt Ion: 75 Resp: 15805
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.0 50.9#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 4.834 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024946.D

Acq: 27 Jun 2018 01:58

Instrument :

MSVOA_U

ClientSampleId :

WP021SB471-35-37-180619ME

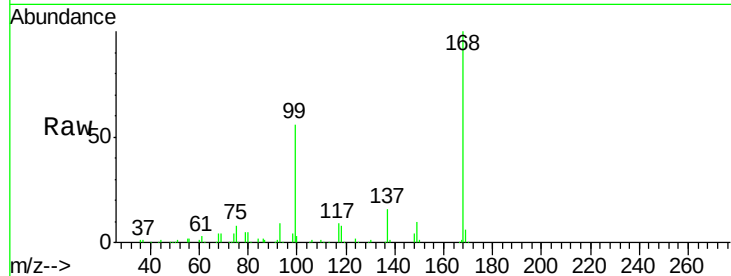
Tgt Ion:117 Resp: 19702

Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

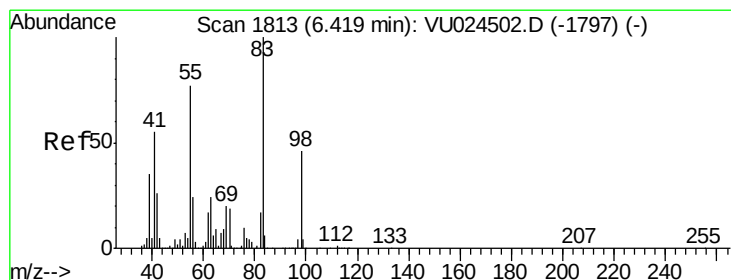
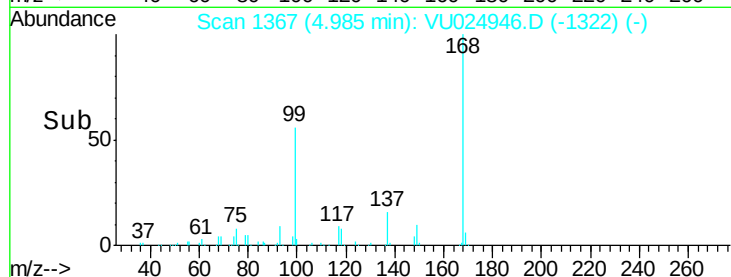
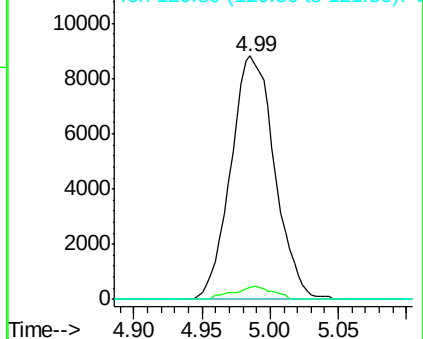
121 0.0 23.7 35.5#



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: 0.780 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.23 min

Lab File: VU024946.D

Acq: 27 Jun 2018 01:58

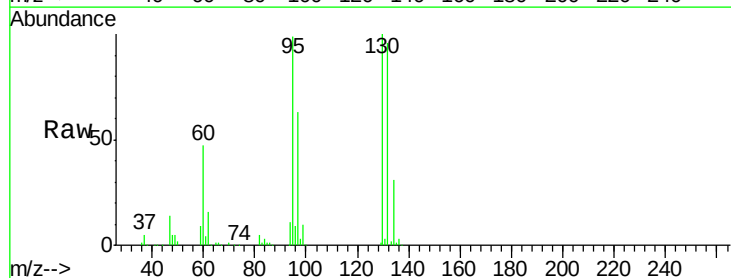
Tgt Ion: 83 Resp: 3607

Ion Ratio Lower Upper

83 100

55 0.0 65.8 98.6#

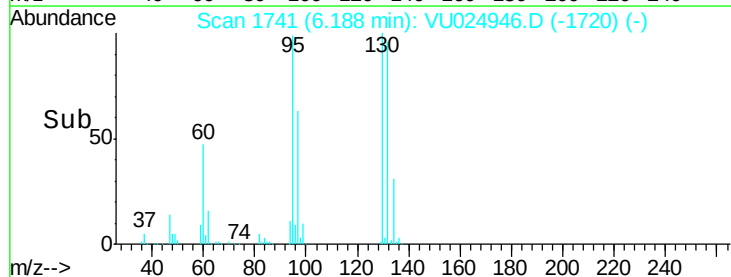
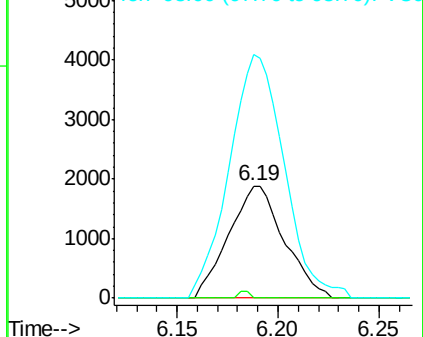
98 217.3 36.7 55.1#

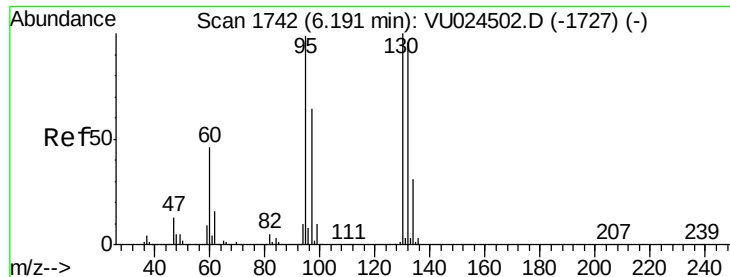


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#44

Trichloroethene

Concen: 106.545 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024946.D

Acq: 27 Jun 2018 01:58

Instrument :

MSVOA_U

ClientSampleId :

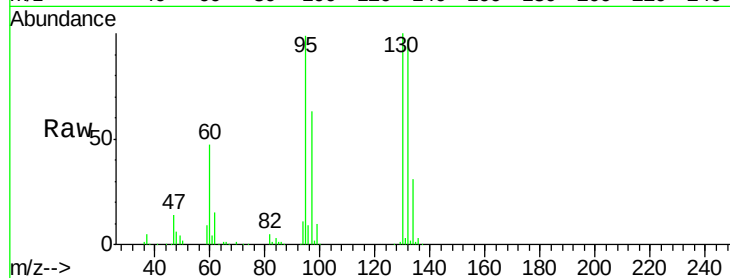
WP021SB471-35-37-180619ME

Tgt Ion:130 Resp: 320206

Ion Ratio Lower Upper

130 100

95 98.9 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024946.D (-1649) (-)

Ion 94.90 (94.60 to 95.60): VU024946.D (-1649) (-)

6.19

150000

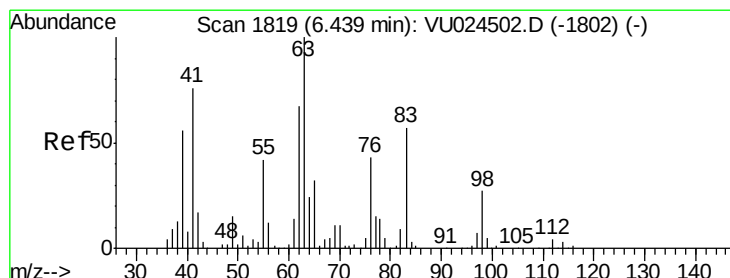
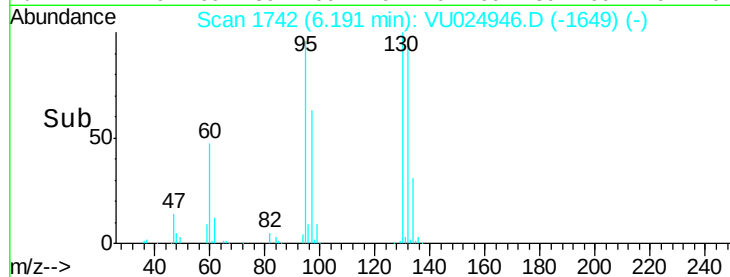
100000

50000

0

Time-->

6.10 6.20 6.30



#45

1,2-Dichloropropane

Concen: 0.388 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.25 min

Lab File: VU024946.D

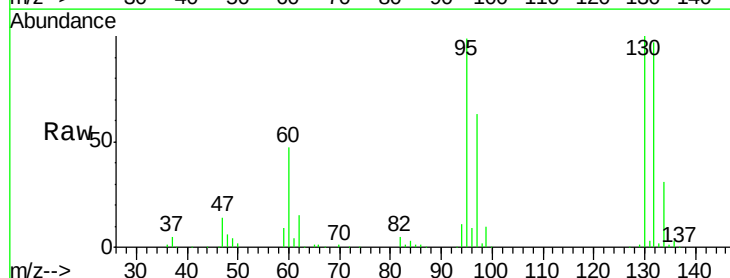
Acq: 27 Jun 2018 01:58

Tgt Ion: 63 Resp: 1092

Ion Ratio Lower Upper

63 100

65 364.1 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VU024946.D (-1726) (-)

Ion 64.90 (64.60 to 65.60): VU024946.D (-1726) (-)

2500

2000

1500

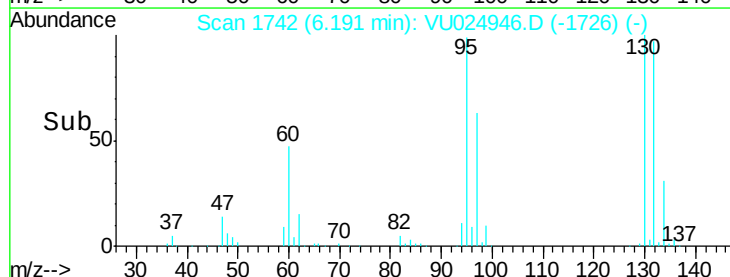
1000

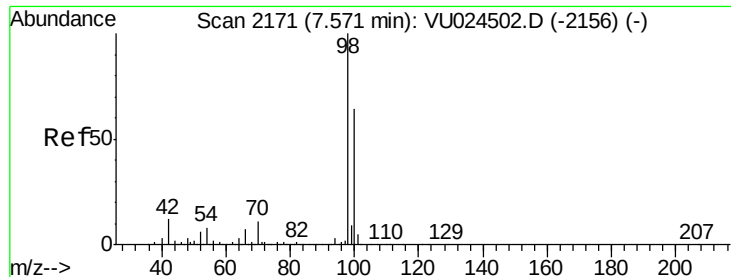
500

0

Time-->

6.15 6.20





#50

Toluene-d8

Concen: 47.875 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024946.D

Acq: 27 Jun 2018 01:58

Instrument :

MSVOA_U

ClientSampleId :

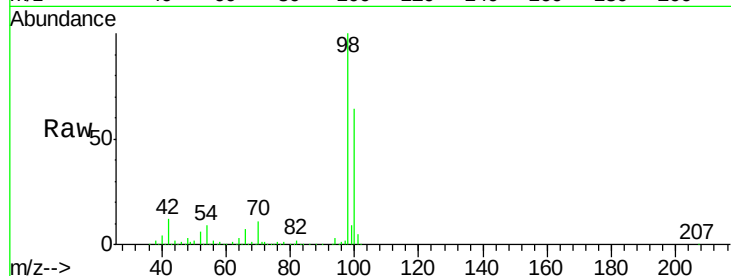
WP021SB471-35-37-180619ME

Tgt Ion: 98 Resp: 457075

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)

Ion 100.00 (99.70 to 100.70): VU024502.D (-2156) (-)

7.57

250000

200000

150000

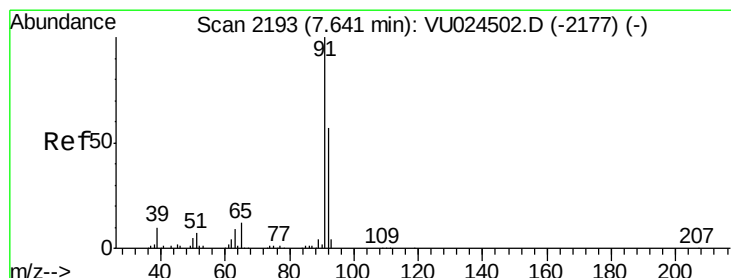
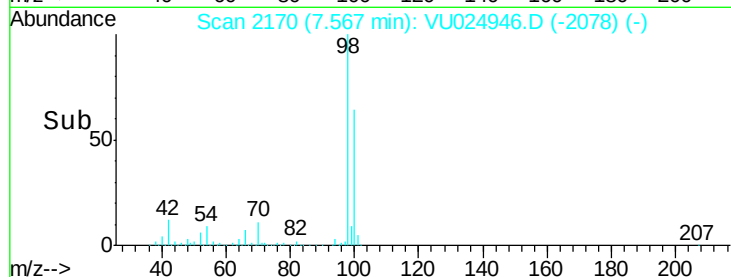
100000

50000

0

7.55 7.57 7.59 7.61 7.63 7.65

Time-->



#52

Toluene

Concen: 1.634 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024946.D

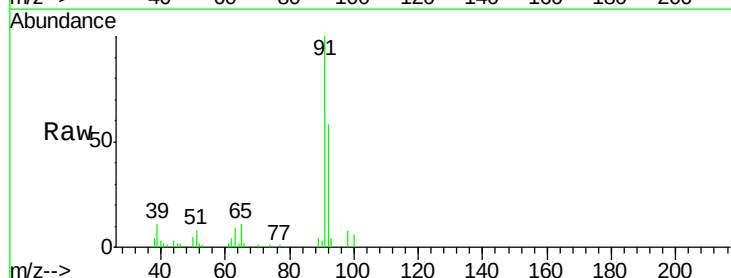
Acq: 27 Jun 2018 01:58

Tgt Ion: 92 Resp: 11103

Ion Ratio Lower Upper

92 100

91 180.4 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU024502.D (-2177) (-)

Ion 91.00 (90.70 to 91.70): VU024502.D (-2177) (-)

7.64

12000

10000

8000

6000

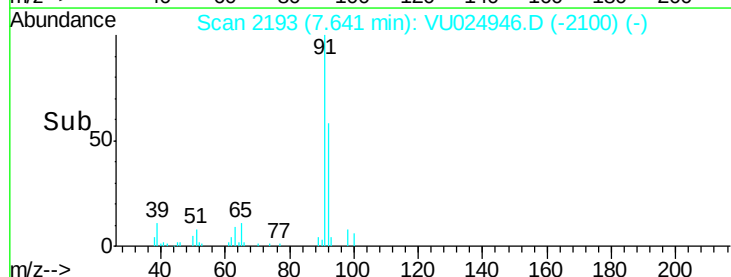
4000

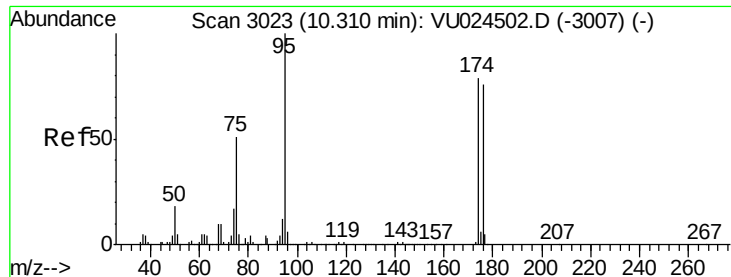
2000

0

7.60 7.62 7.64 7.66 7.68 7.70

Time-->

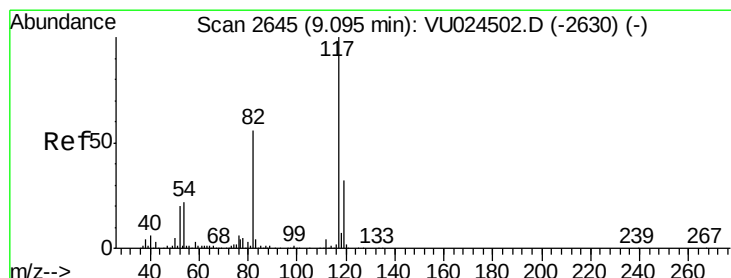
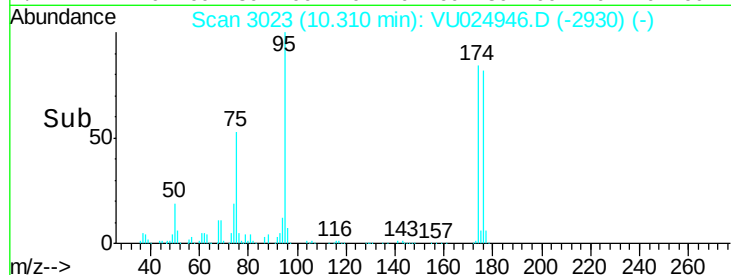
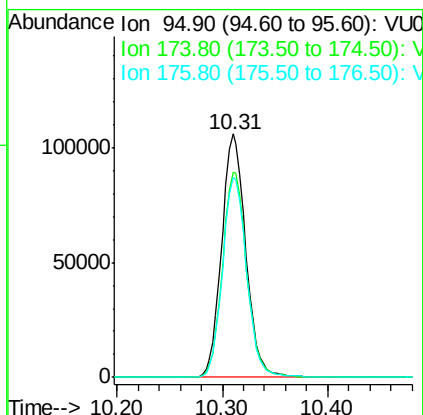
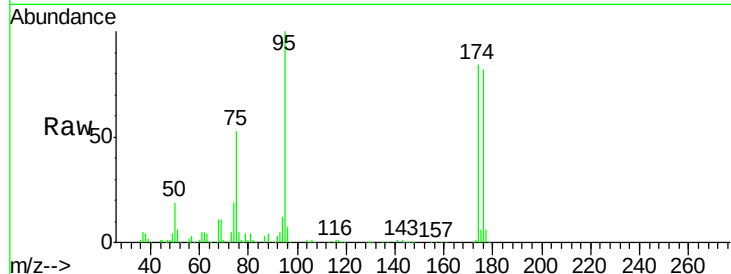




#62
4-Bromofluorobenzene
Concen: 44.391 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024946.D
Acq: 27 Jun 2018 01:58

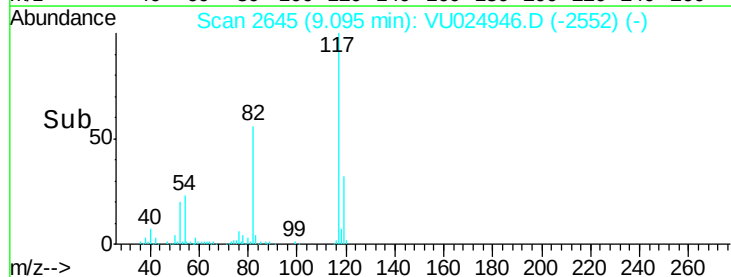
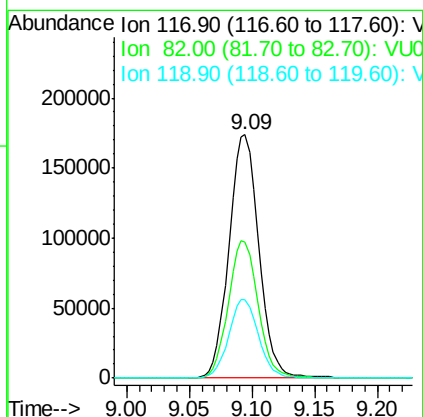
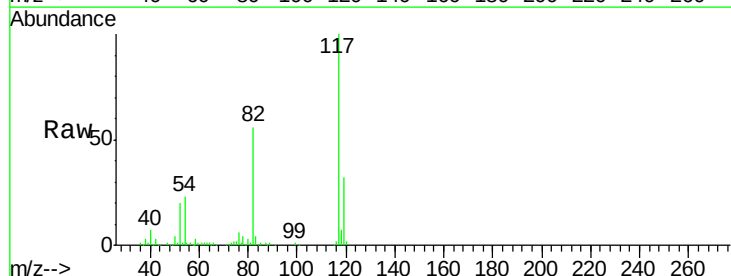
Instrument :
MSVOA_U
ClientSampleId :
WP021SB471-35-37-180619ME

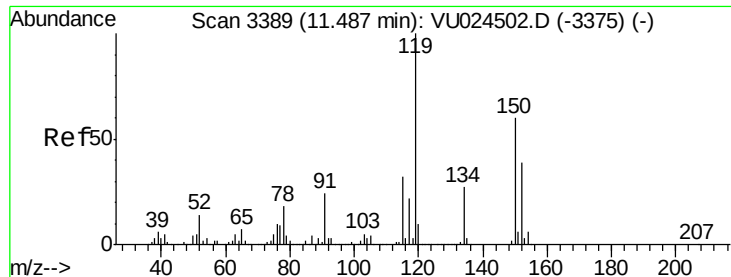
Tgt Ion: 95 Resp: 168272
Ion Ratio Lower Upper
95 100
174 84.4 0.0 165.8
176 82.3 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024946.D
Acq: 27 Jun 2018 01:58

Tgt Ion: 117 Resp: 288067
Ion Ratio Lower Upper
117 100
82 56.0 44.3 66.5
119 32.4 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: VU024946.D

Acq: 27 Jun 2018 01:58

Instrument :

MSVOA_U

ClientSampleId :

WP021SB471-35-37-180619ME

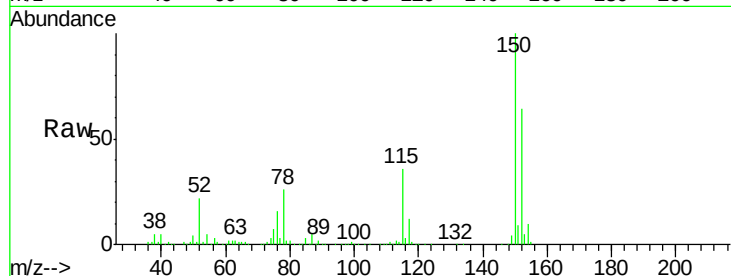
Tgt Ion:152 Resp: 153949

Ion Ratio Lower Upper

152 100

115 57.2 43.0 129.0

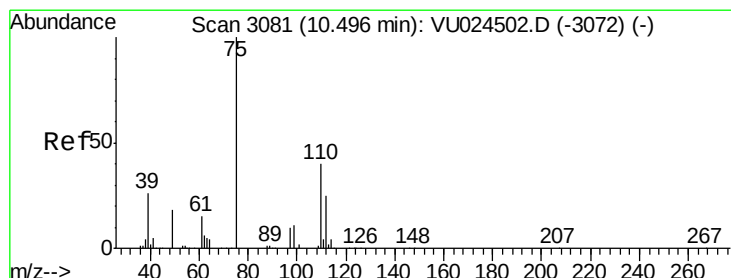
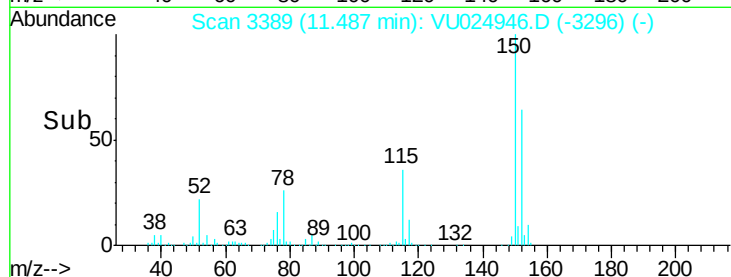
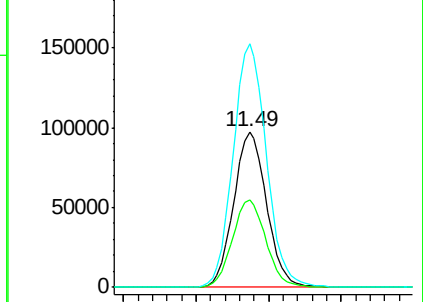
150 158.4 0.0 354.0



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: 26.076 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024946.D

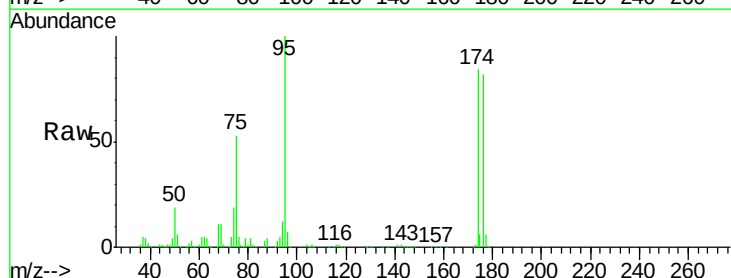
Acq: 27 Jun 2018 01:58

Tgt Ion: 75 Resp: 88382

Ion Ratio Lower Upper

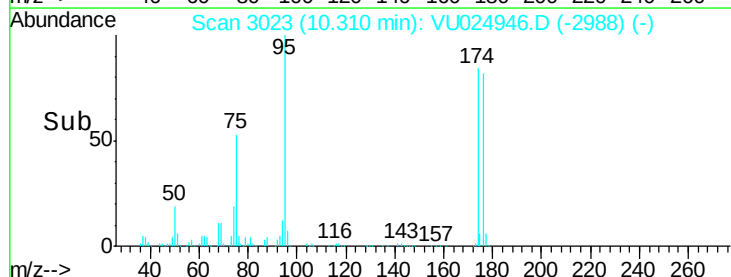
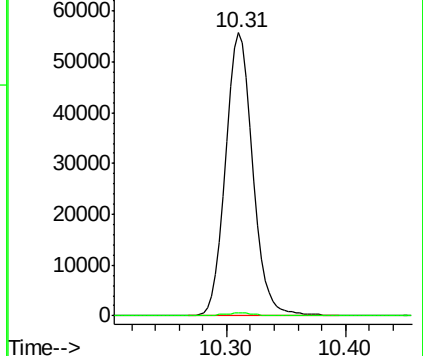
75 100

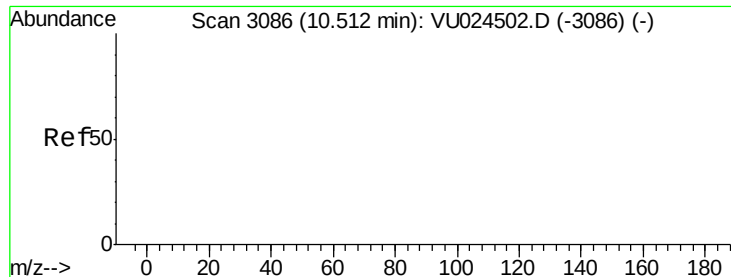
77 1.2 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

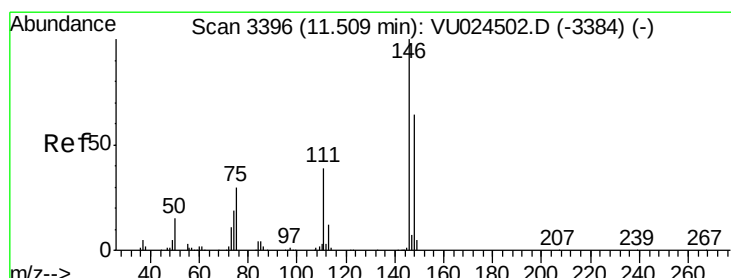
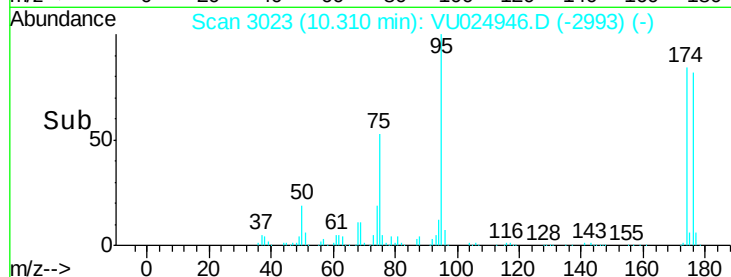
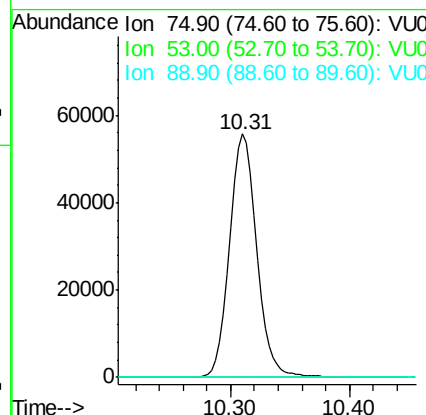
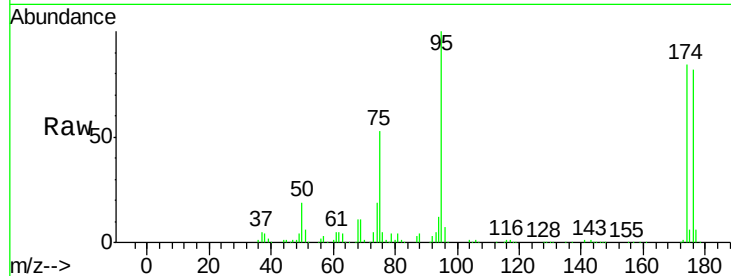




#81
trans-1,4-Dichloro-2-butene
Concen: 60.351 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024946.D
Acq: 27 Jun 2018 01:58

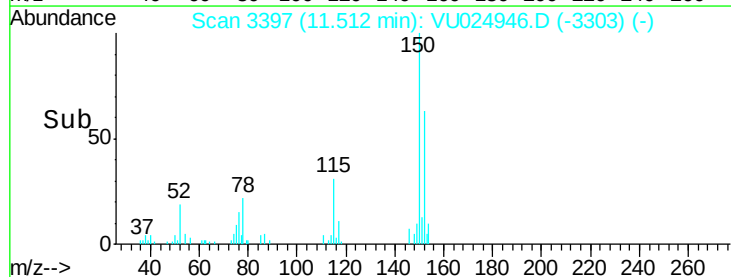
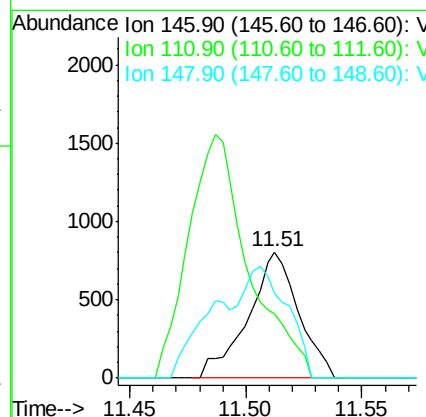
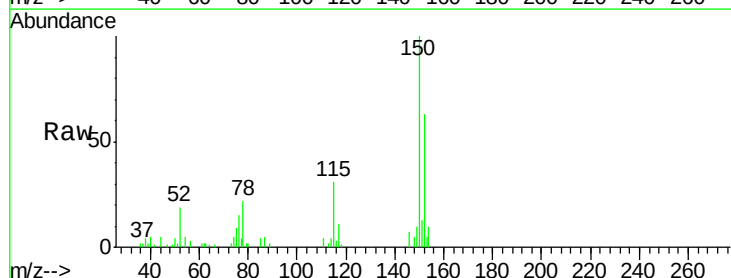
Instrument :
MSVOA_U
ClientSampleId :
WP021SB471-35-37-180619ME

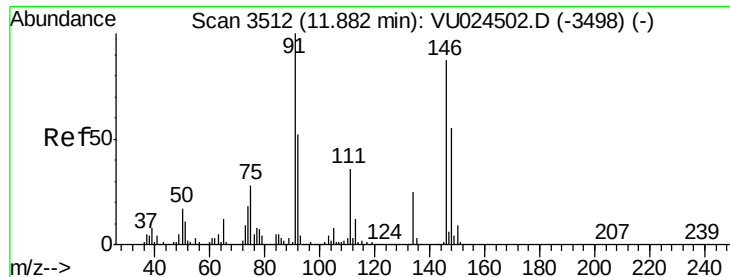
Tgt Ion: 75 Resp: 88382
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#88
1,4-Dichlorobenzene
Concen: 0.218 ug/l
RT: 11.51 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VU024946.D
Acq: 27 Jun 2018 01:58

Tgt Ion: 146 Resp: 1215
Ion Ratio Lower Upper
146 100
111 0.0 19.5 58.5#
148 80.9 32.4 97.0

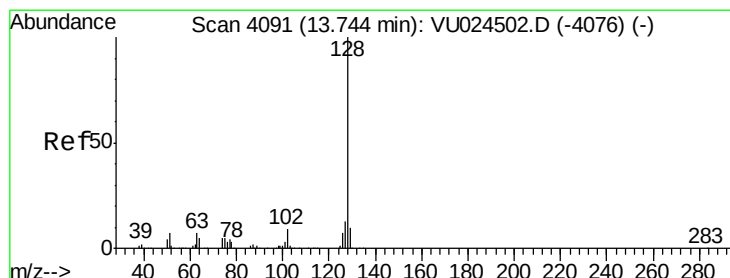
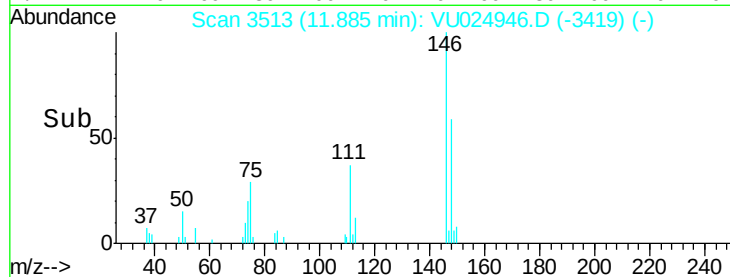
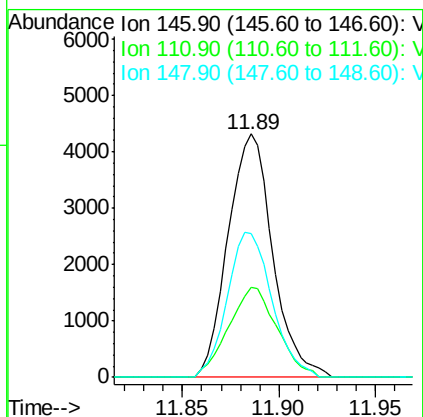
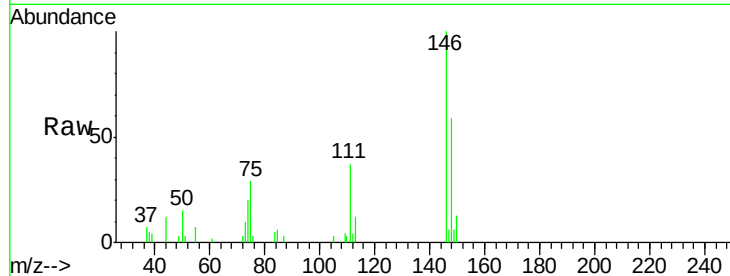




#91
 1,2-Dichlorobenzene
 Concen: 1.252 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU024946.D
 Acq: 27 Jun 2018 01:58

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB471-35-37-180619ME

Tgt Ion:	146	Resp:	6930
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.5	61.6
148	59.6	31.9	95.7



#95
 Naphthalene
 Concen: 0.688 ug/l
 RT: 13.76 min Scan# 4096
 Delta R.T. 0.02 min
 Lab File: VU024946.D
 Acq: 27 Jun 2018 01:58

Tgt Ion:	128	Resp:	99
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

