

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025215.D
 Acq On : 05 Jul 2018 15:01
 Operator : MD/SY
 Sample : J3808-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628

Quant Time: Jul 06 06:00:58 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	206480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	310738	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	290098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	152226	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	157667	46.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.54%	
35) Dibromofluoromethane	4.89	113	122307	47.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.86%	
50) Toluene-d8	7.57	98	447196	47.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	10.31	95	163298	43.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.44%	

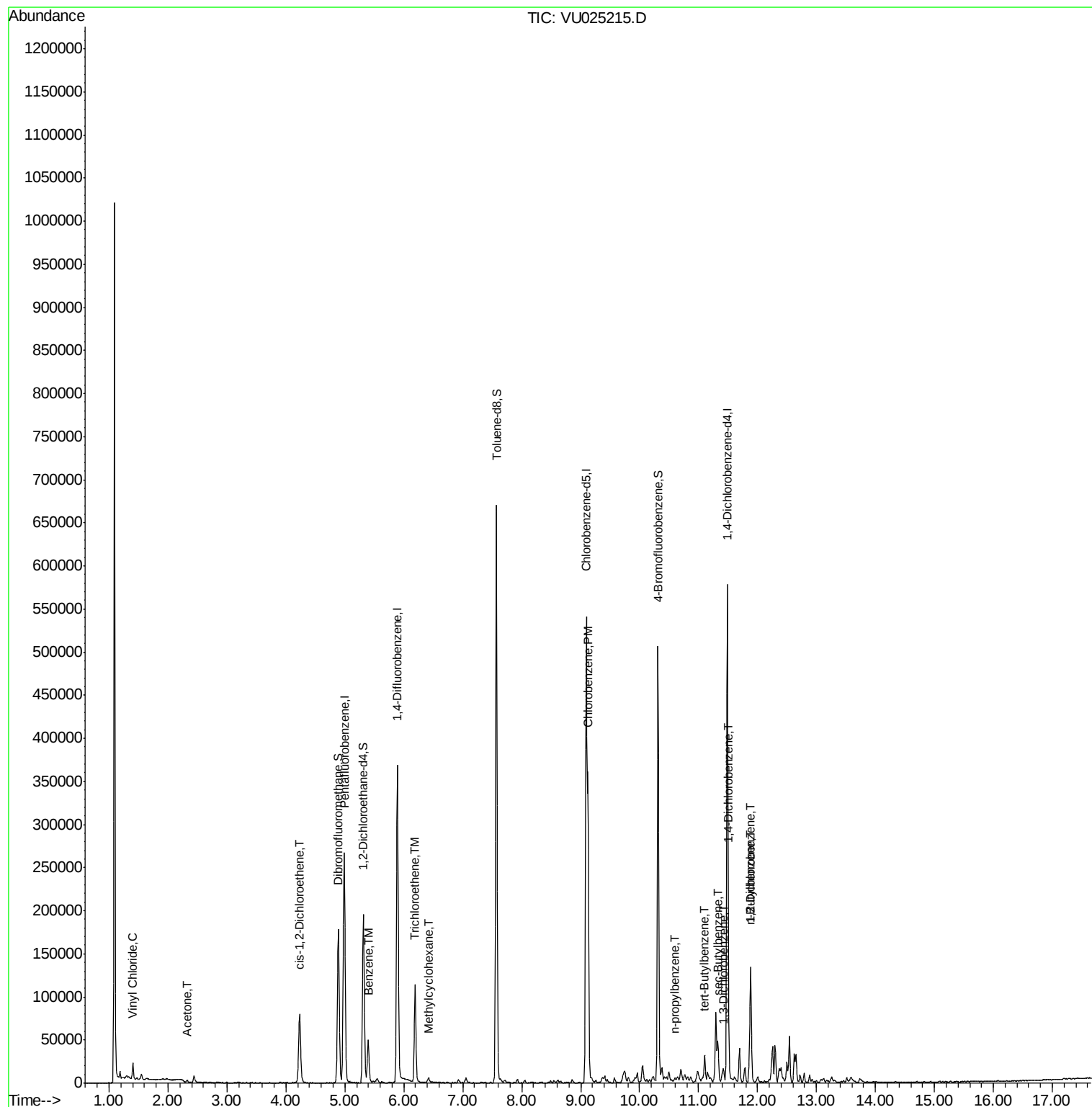
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	10418	3.826	ug/l	95
16) Acetone	2.33	43	1872	1.034	ug/l #	67
27) cis-1,2-Dichloroethene	4.23	96	44607	14.984	ug/l	90
39) Methylcyclohexane	6.42	83	2010	0.441	ug/l #	80
40) Benzene	5.40	78	45712	4.393	ug/l	98
44) Trichloroethene	6.19	130	40095	13.541	ug/l	95
65) Chlorobenzene	9.12	112	176456	23.810	ug/l	99
78) n-propylbenzene	10.59	91	3545	0.257	ug/l	91
83) tert-Butylbenzene	11.10	119	13016	1.336	ug/l	87
85) sec-Butylbenzene	11.33	105	29402	2.411	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	5146	0.941	ug/l	94
88) 1,4-Dichlorobenzene	11.51	146	10830	1.968	ug/l	86
89) n-Butylbenzene	11.90	91	3128	0.323	ug/l #	68
91) 1,2-Dichlorobenzene	11.88	146	50910	9.298	ug/l	98

(#) = 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: VU025215.D

Acq: 05 Jul 2018 15:01

Instrument :

MSVOA_U

ClientSampleId :

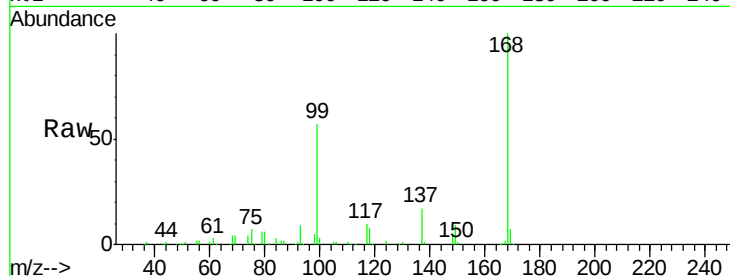
WP021MW470-180628

Tot Ion:168 Resp: 206480

Ion Ratio Lower Upper

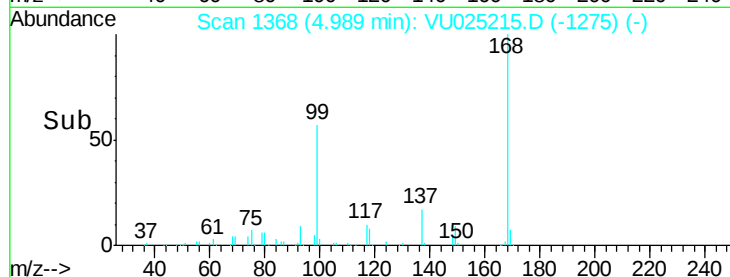
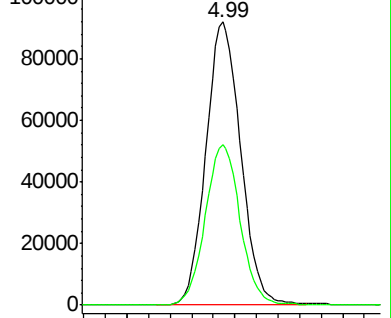
168 100

99 56.8 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

Vinyl Chloride

Concen: 3.826 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025215.D

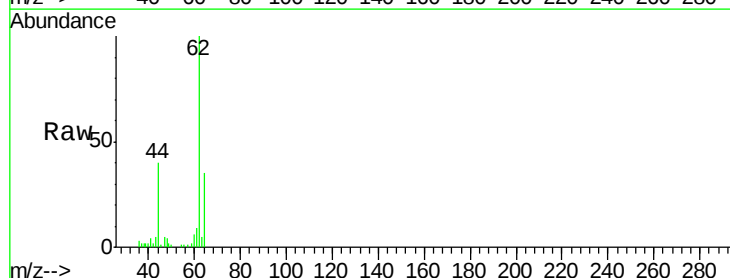
Acq: 05 Jul 2018 15:01

Tgt Ion: 62 Resp: 10418

Ion Ratio Lower Upper

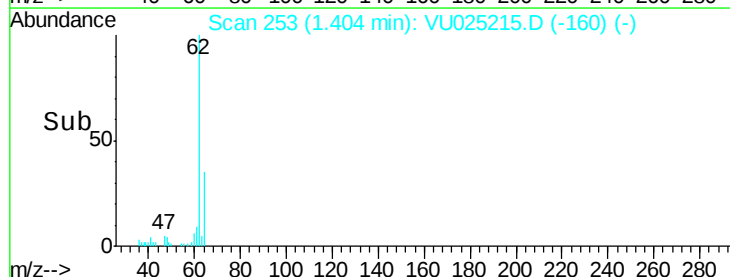
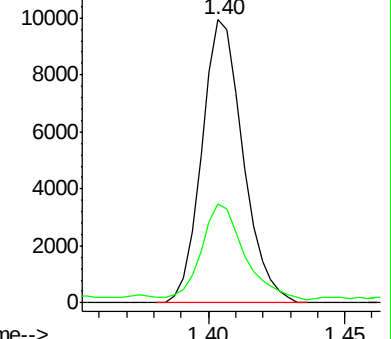
62 100

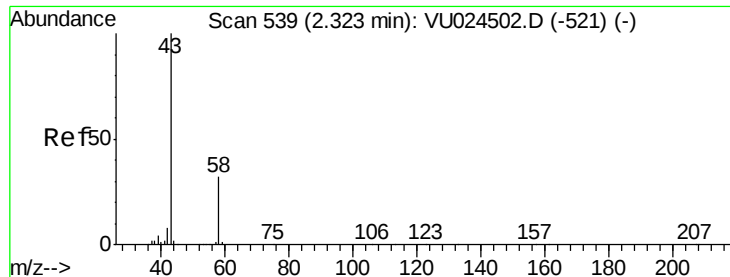
64 33.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU024502.D (-244) (-)





#16

Acetone

Concen: 1.034 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025215.D

Acq: 05 Jul 2018 15:01

Instrument :

MSVOA_U

ClientSampleId :

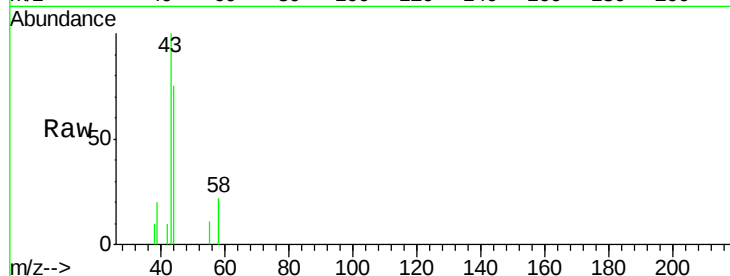
WP021MW470-180628

Tot Ion: 43 Resp: 1872

Ion Ratio Lower Upper

43 100

58 48.3 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.33

1500

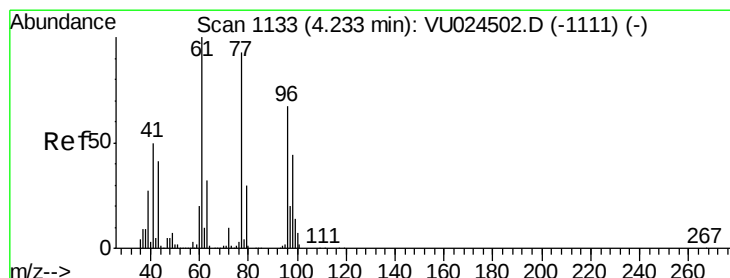
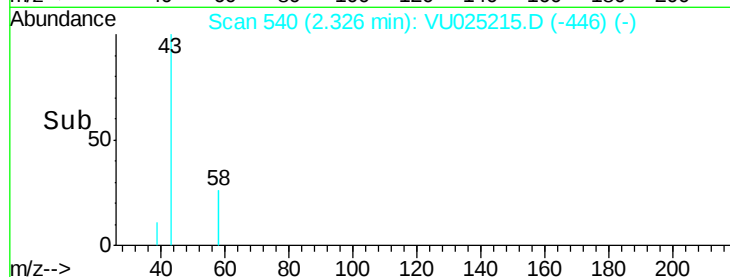
1000

500

0

Time-->

2.30 2.35



#27

cis-1,2-Dichloroethene

Concen: 14.984 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025215.D

Acq: 05 Jul 2018 15:01

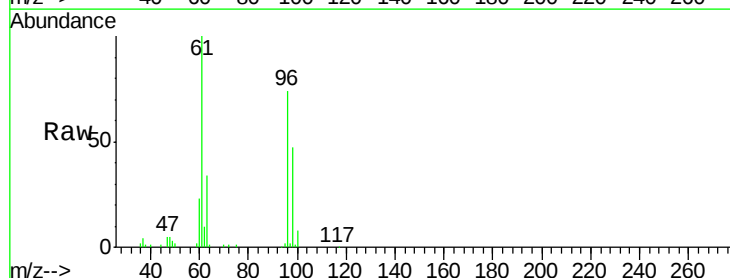
Tgt Ion: 96 Resp: 44607

Ion Ratio Lower Upper

96 100

61 134.7 0.0 306.6

98 64.1 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

4.23

30000

25000

20000

15000

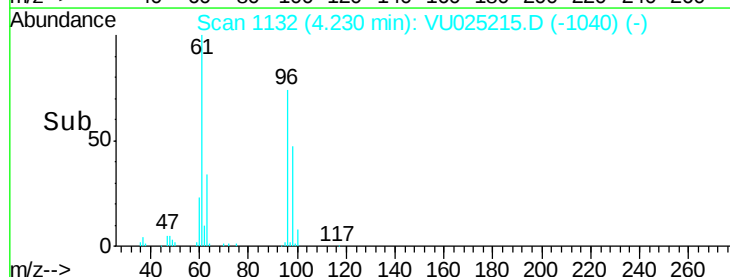
10000

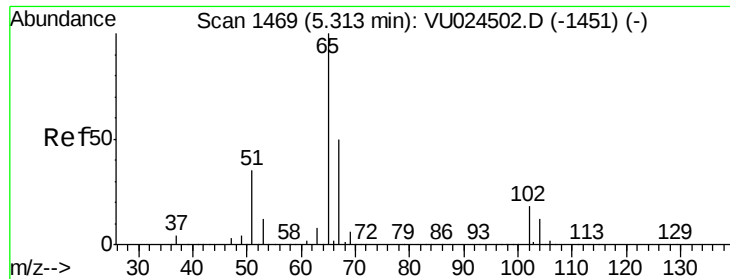
5000

0

Time-->

4.20 4.30

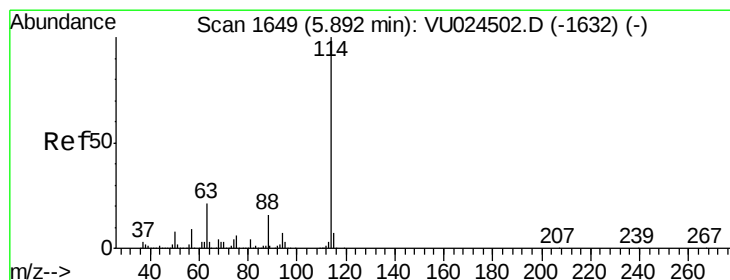
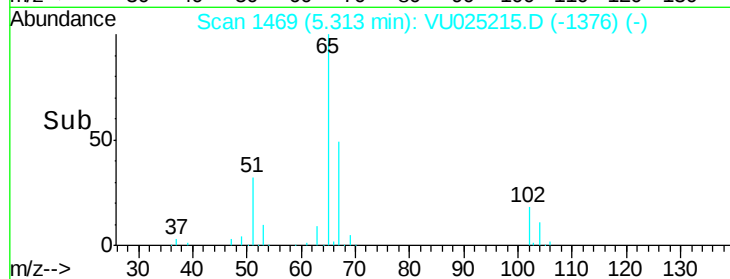
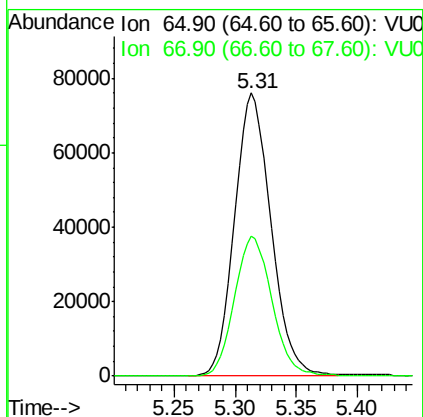
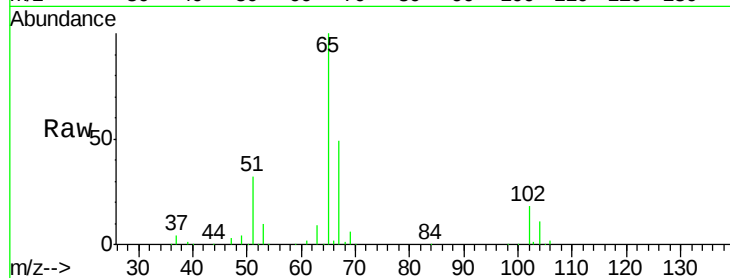




#33
 1,2-Dichloroethane-d4
 Concen: 46.774 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025215.D
 Acq: 05 Jul 2018 15:01

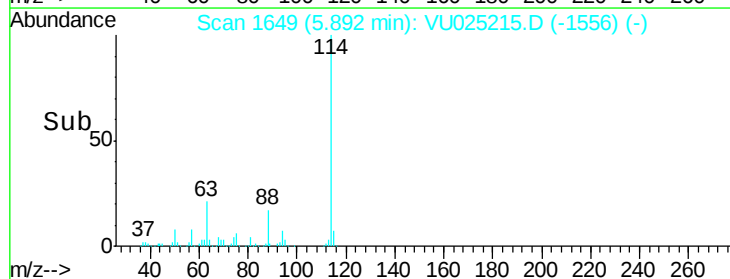
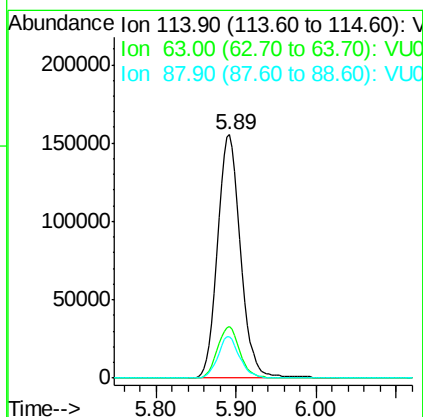
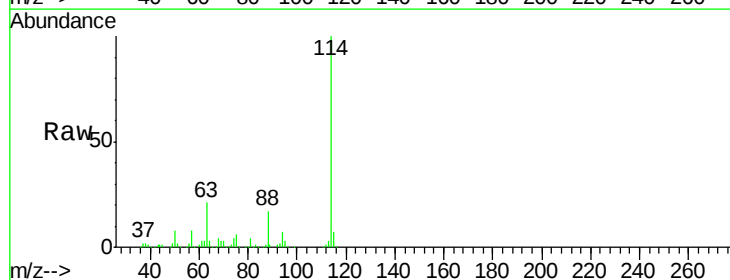
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628

Tot Ion: 65 Resp: 157667
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025215.D
 Acq: 05 Jul 2018 15:01

Tgt Ion: 114 Resp: 310738
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.4
 88 17.1 0.0 31.0

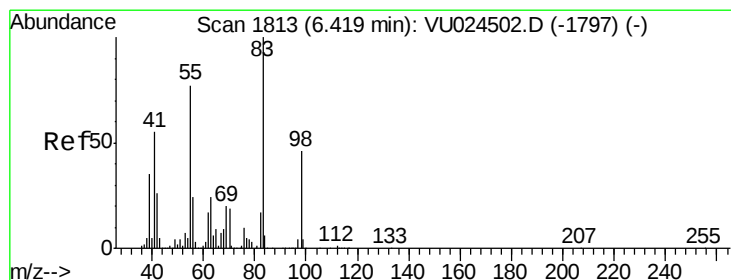
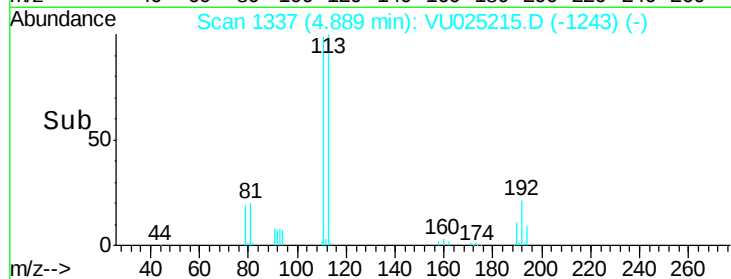
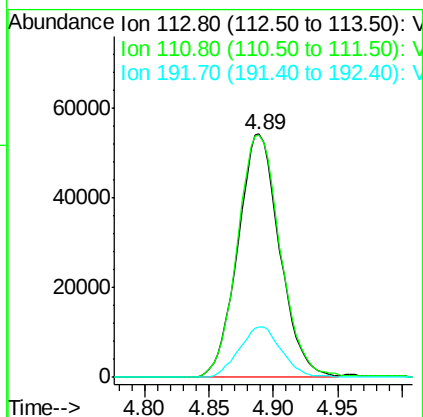
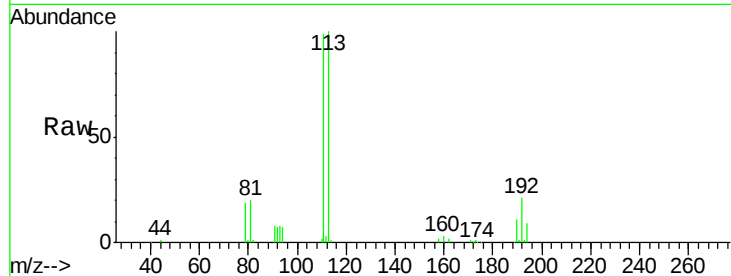




#35
Dibromofluoromethane
Concen: 47.426 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025215.D
Acq: 05 Jul 2018 15:01

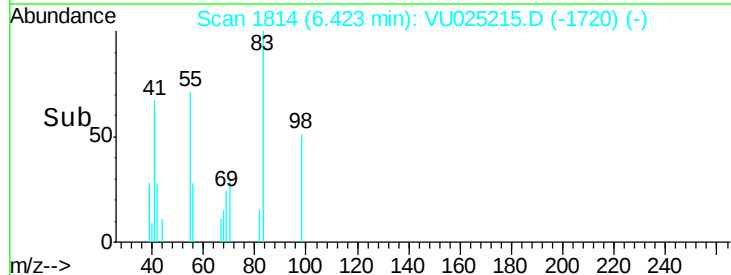
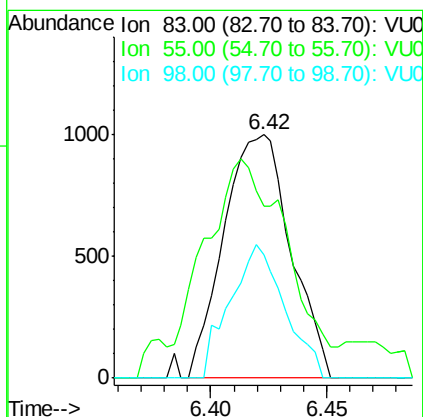
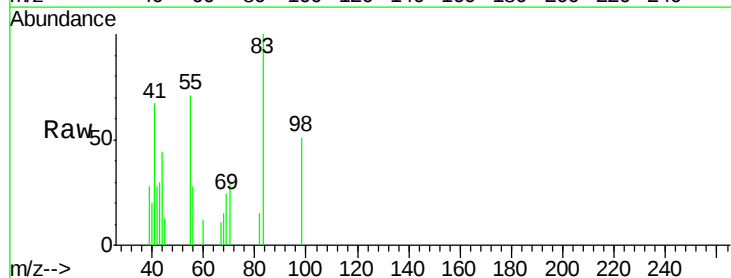
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628

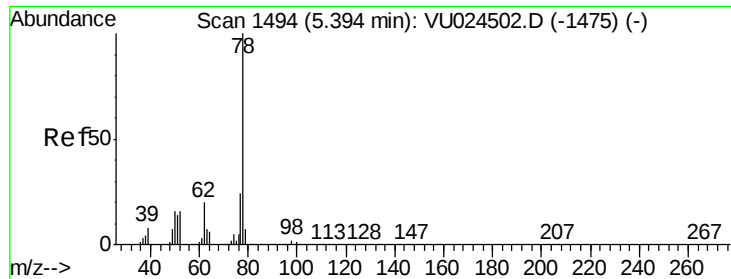
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	21.1	16.2	24.4



#39
Methylcyclohexane
Concen: 0.441 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU025215.D
Acq: 05 Jul 2018 15:01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	57.8	65.8	98.6#
98	50.8	36.7	55.1





#40

Benzene

Concen: 4.393 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025215.D

Acq: 05 Jul 2018 15:01

Instrument :

MSVOA_U

ClientSampleId :

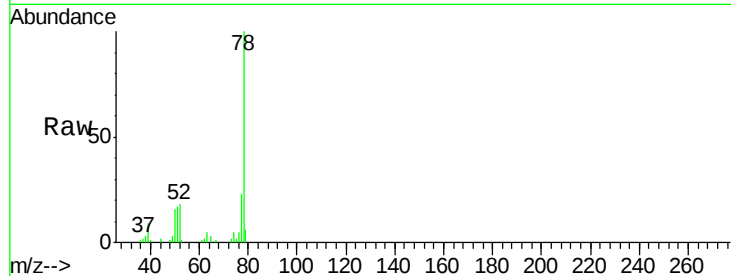
WP021MW470-180628

Tot Ion: 78 Resp: 45712

Ion Ratio Lower Upper

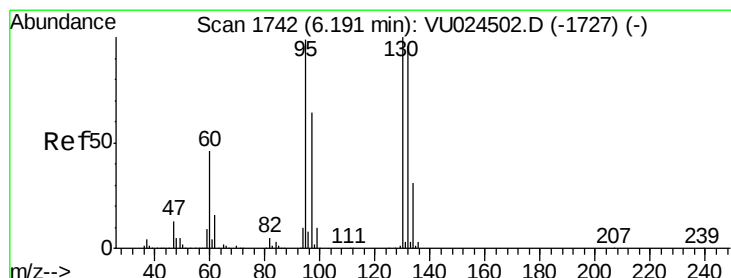
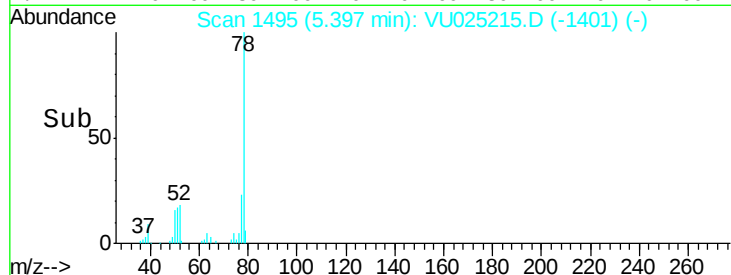
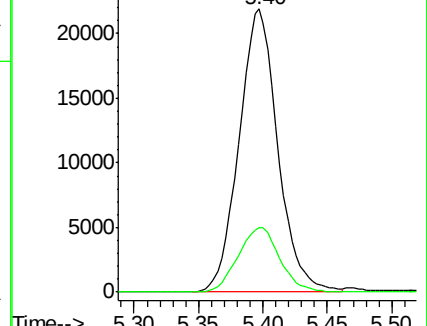
78 100

77 22.9 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

Trichloroethene

Concen: 13.541 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU025215.D

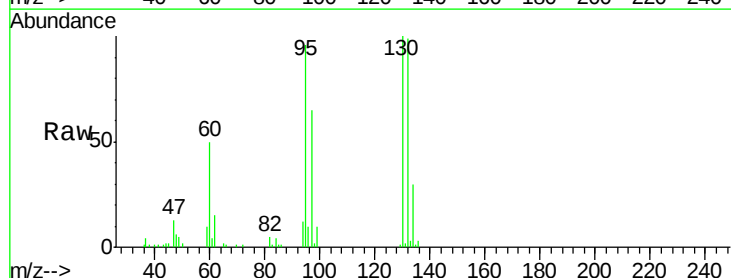
Acq: 05 Jul 2018 15:01

Tgt Ion: 130 Resp: 40095

Ion Ratio Lower Upper

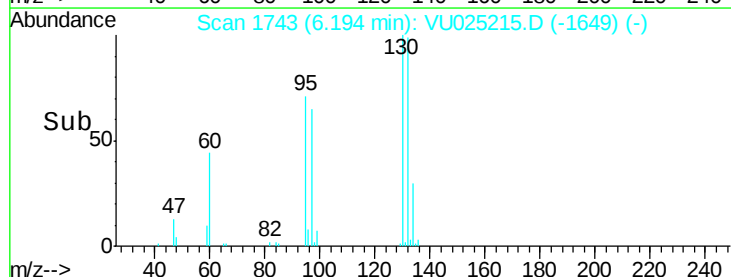
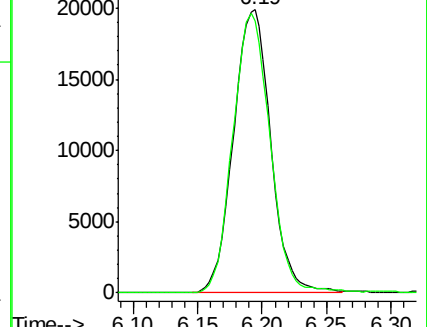
130 100

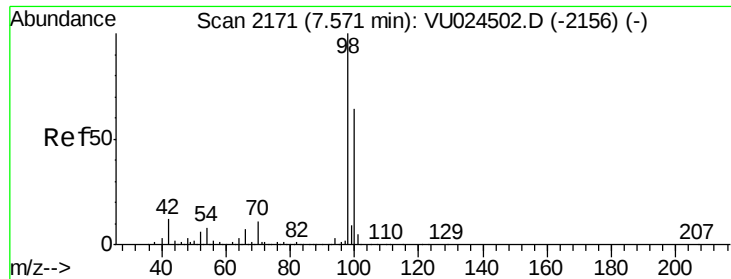
95 96.3 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 47.540 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025215.D

Acq: 05 Jul 2018 15:01

Instrument :

MSVOA_U

ClientSampleId :

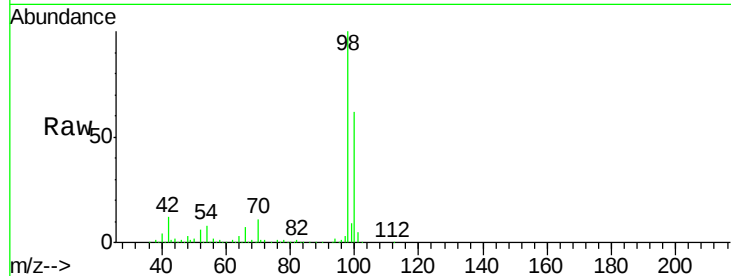
WP021MW470-180628

Tot Ion: 98 Resp: 447196

Ion Ratio Lower Upper

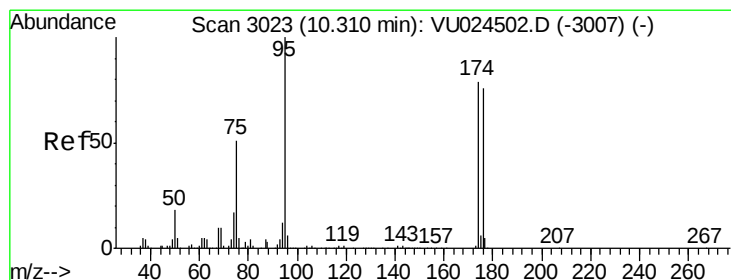
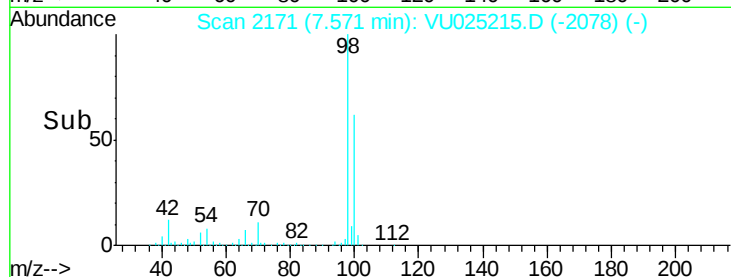
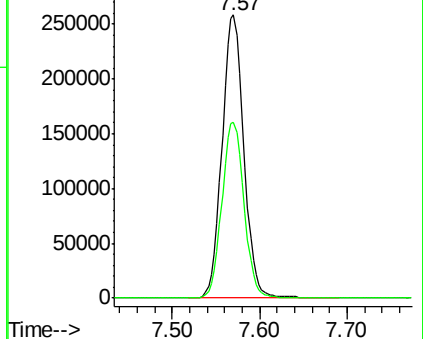
98 100

100 62.9 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) (-)



#62

4-Bromofluorobenzene

Concen: 43.723 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU025215.D

Acq: 05 Jul 2018 15:01

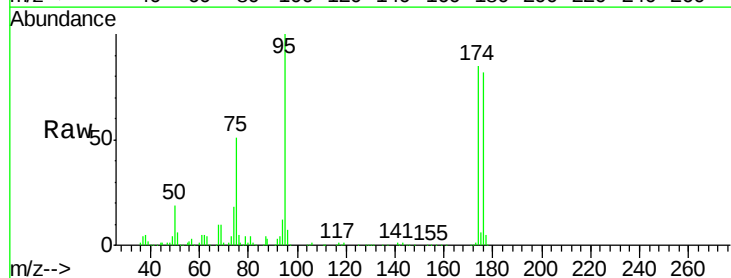
Tgt Ion: 95 Resp: 163298

Ion Ratio Lower Upper

95 100

174 85.1 0.0 165.8

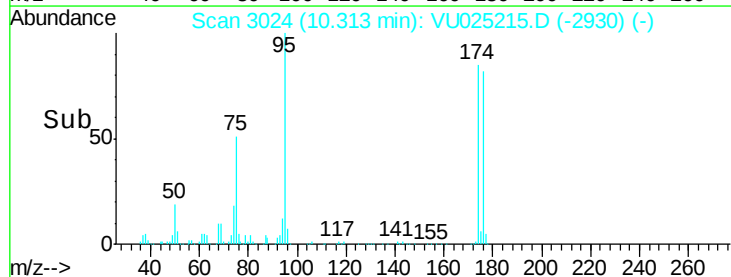
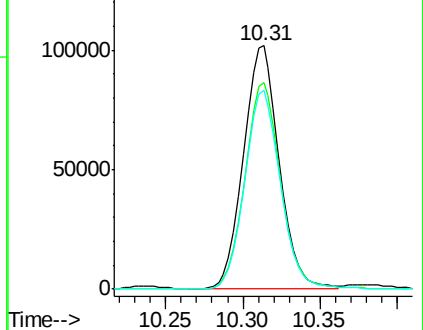
176 82.3 0.0 159.4

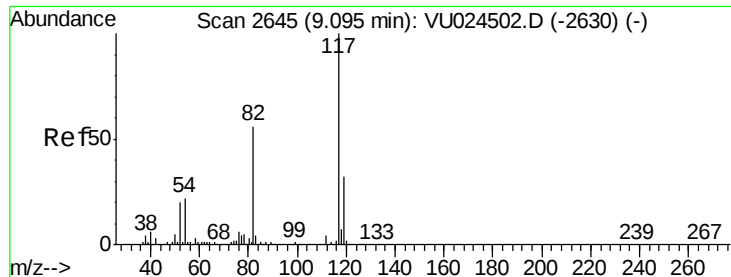


Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)

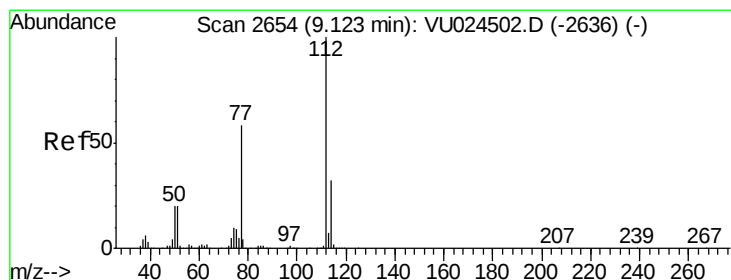
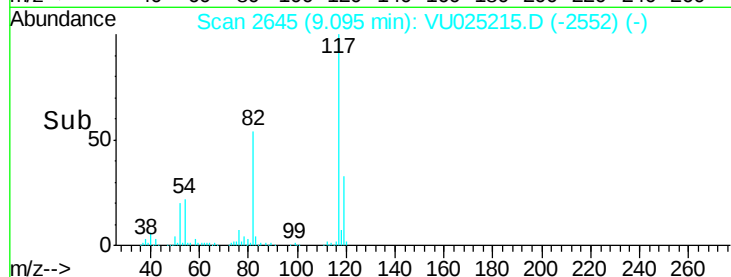
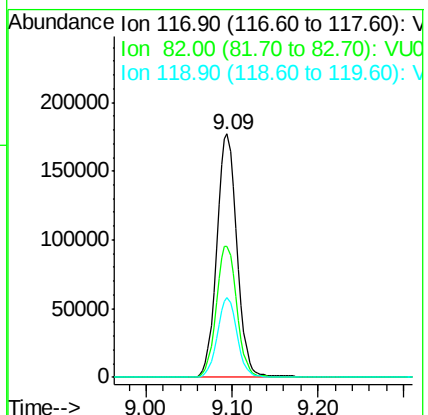
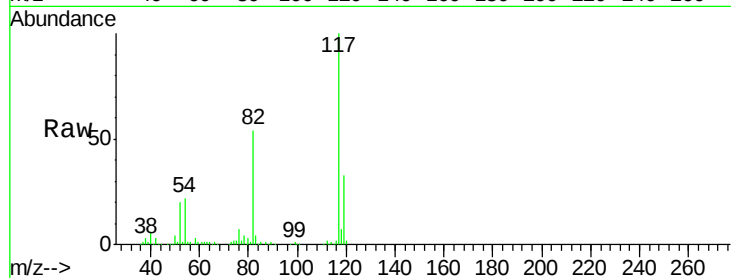




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025215.D
Acq: 05 Jul 2018 15:01

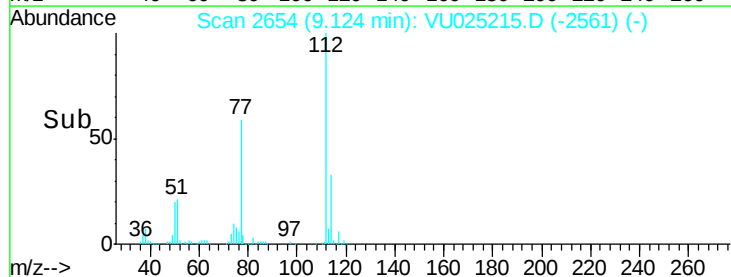
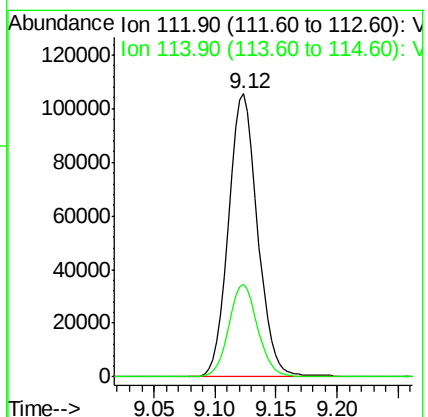
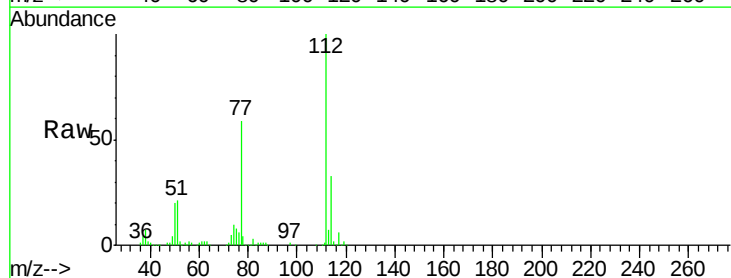
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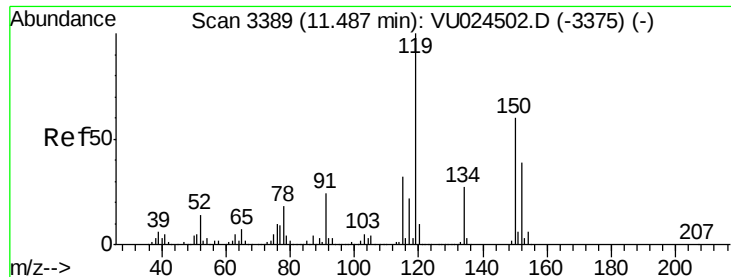
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.3	66.5
119	32.5	25.4	38.2



#65
Chlorobenzene
Concen: 23.810 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025215.D
Acq: 05 Jul 2018 15:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025215.D

Acq: 05 Jul 2018 15:01

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628

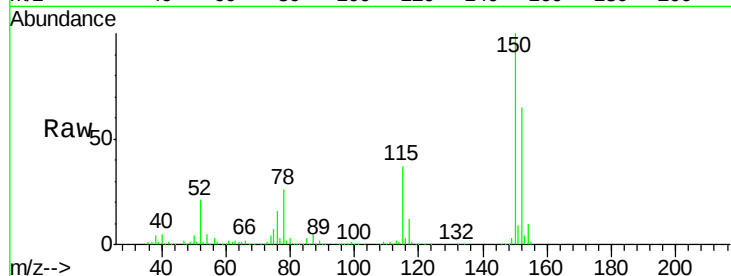
Tot Ion:152 Resp: 152226

Ion Ratio Lower Upper

152 100

115 58.3 43.0 129.0

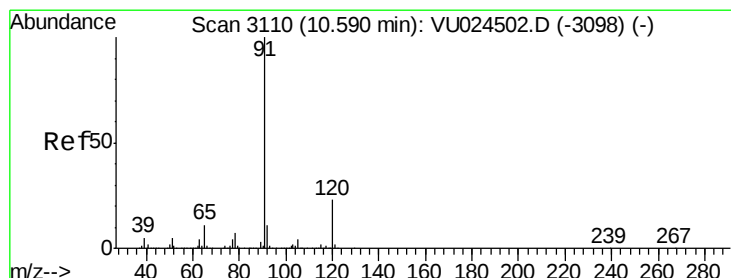
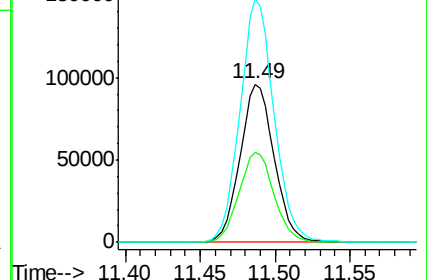
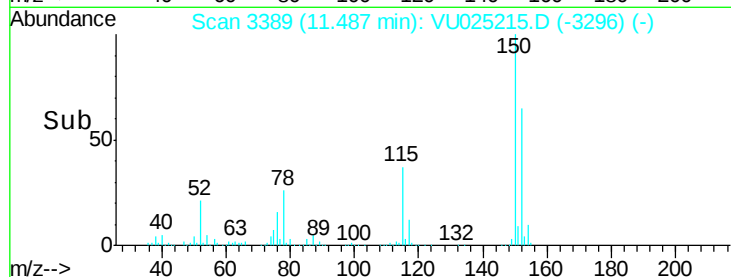
150 154.2 0.0 354.0



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



#78

n-propylbenzene

Concen: 0.257 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025215.D

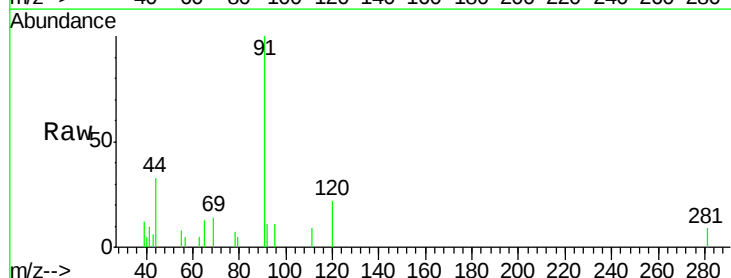
Acq: 05 Jul 2018 15:01

Tgt Ion: 91 Resp: 3545

Ion Ratio Lower Upper

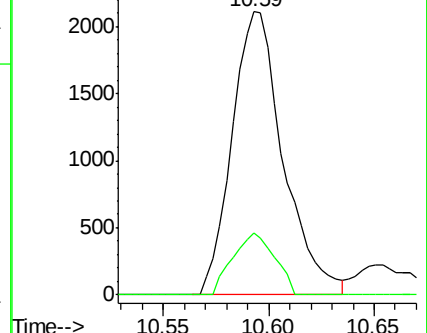
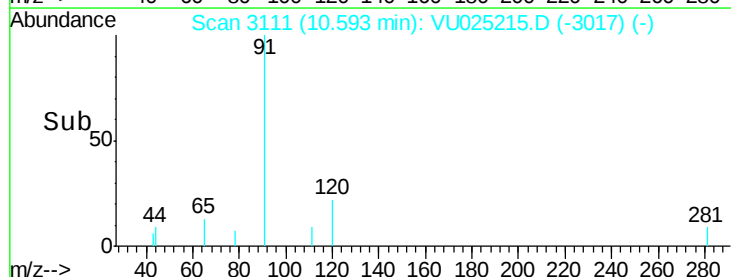
91 100

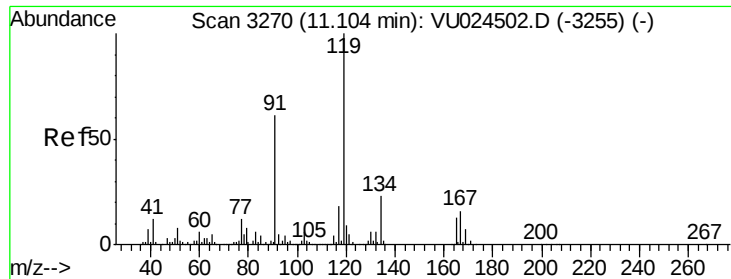
120 18.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 1.336 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025215.D

Acq: 05 Jul 2018 15:01

Instrument :

MSVOA_U

ClientSampleId :

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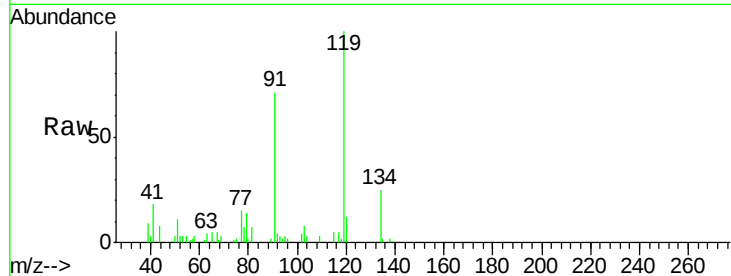
Tot Ion:119 Resp: 13016

Ion Ratio Lower Upper

119 100

91 71.9 29.7 89.1

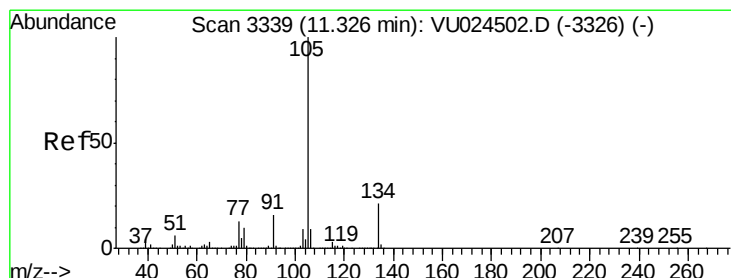
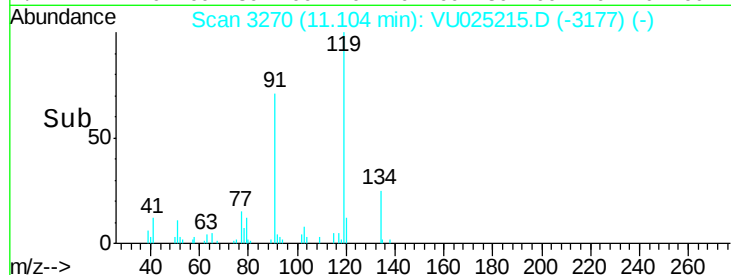
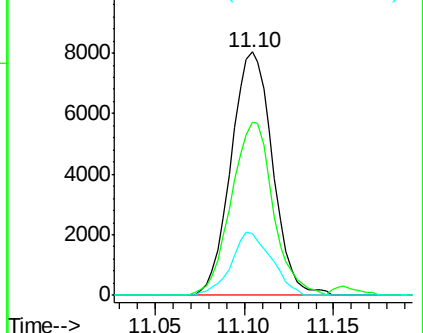
134 25.1 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 2.411 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025215.D

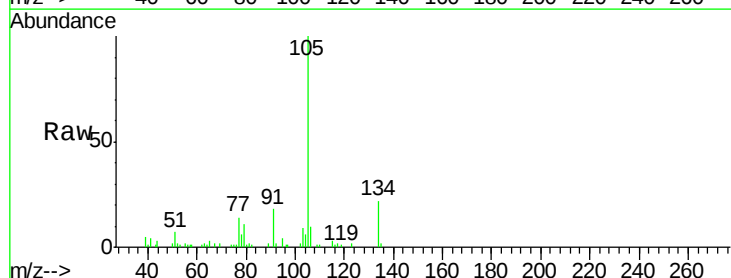
Acq: 05 Jul 2018 15:01

Tgt Ion:105 Resp: 29402

Ion Ratio Lower Upper

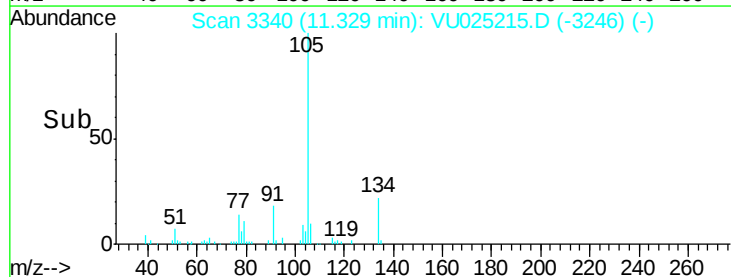
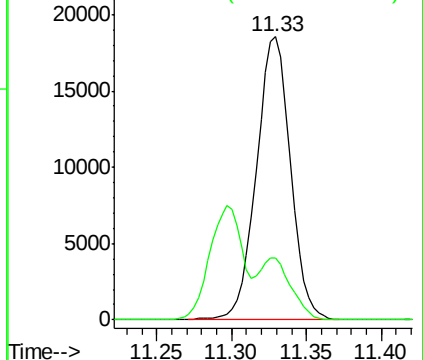
105 100

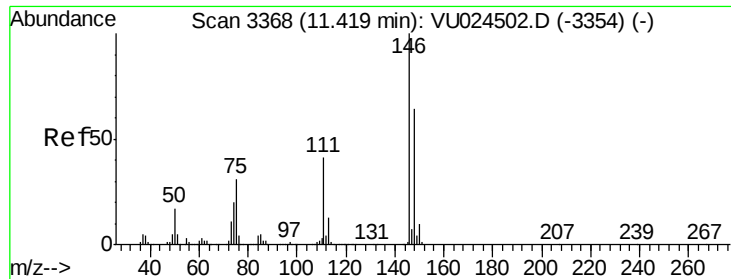
134 19.0 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

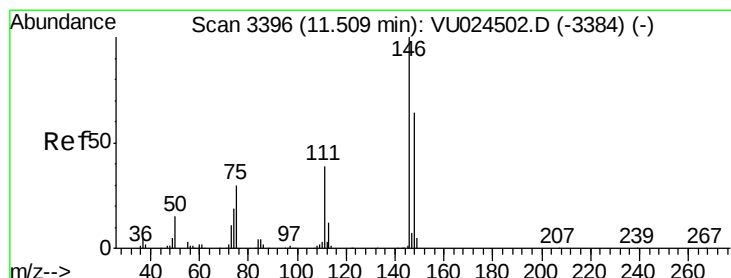
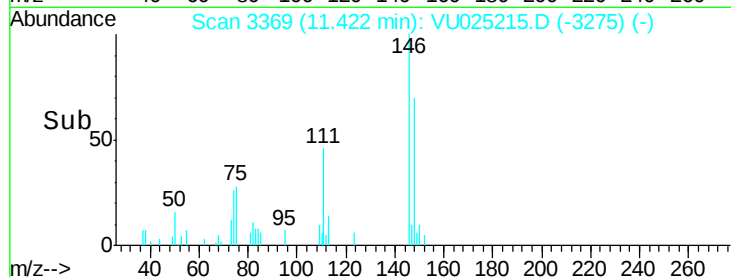
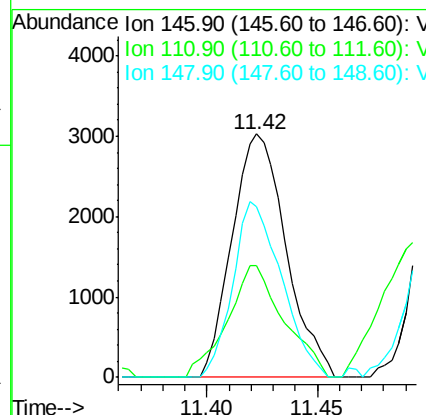
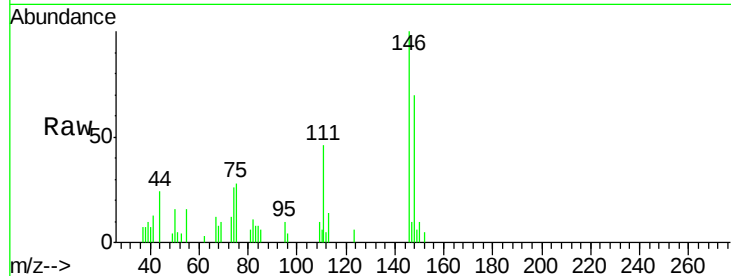




#87
 1,3-Dichlorobenzene
 Concen: 0.941 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025215.D
 Acq: 05 Jul 2018 15:01

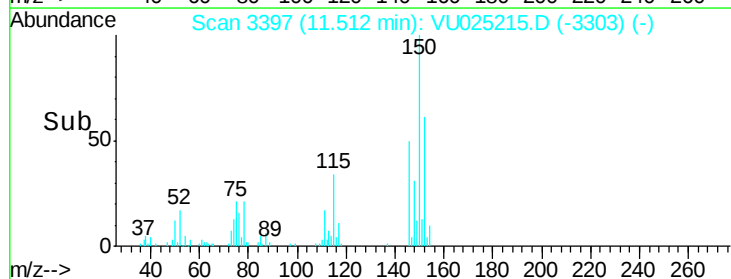
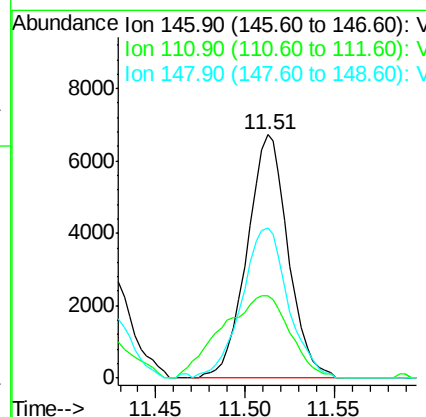
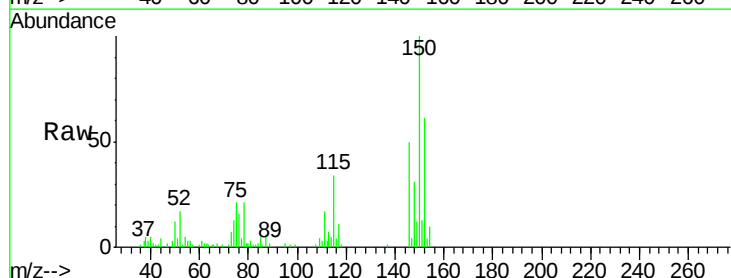
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628

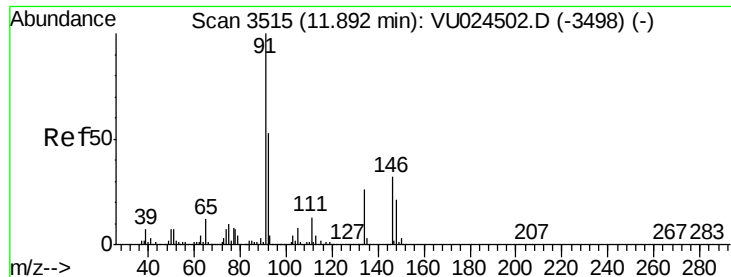
Tot Ion:146 Resp: 5146
 Ion Ratio Lower Upper
 146 100
 111 48.1 20.0 60.0
 148 65.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 1.968 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025215.D
 Acq: 05 Jul 2018 15:01

Tgt Ion:146 Resp: 10830
 Ion Ratio Lower Upper
 146 100
 111 56.0 19.5 58.5
 148 69.4 32.4 97.0

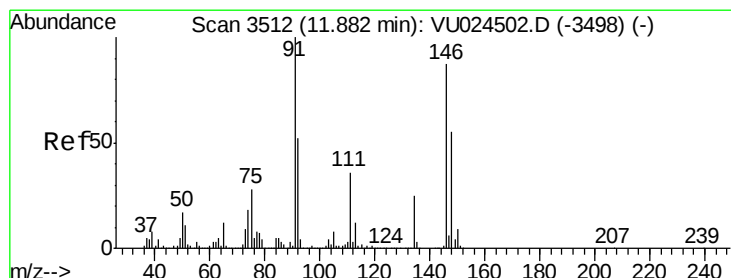
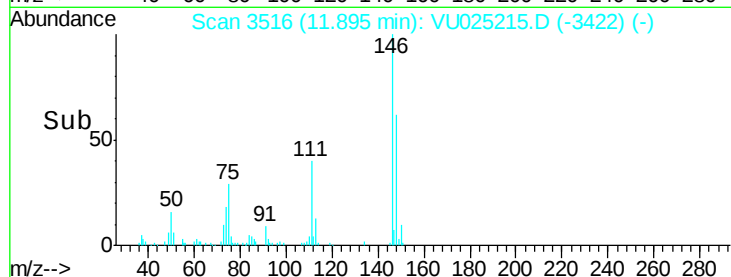
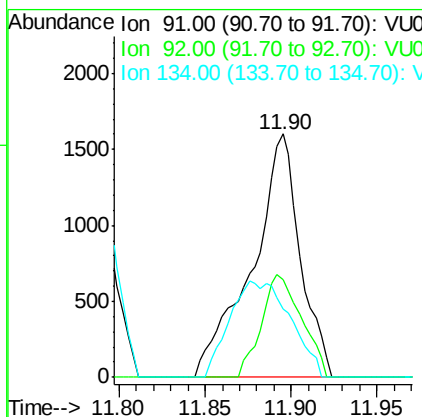
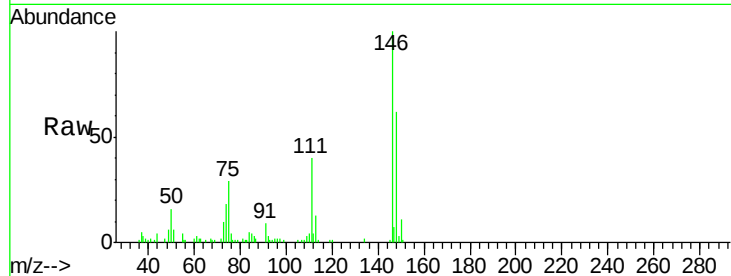




#89
n-Butylbenzene
Concen: 0.323 ug/l
RT: 11.90 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU025215.D
Acq: 05 Jul 2018 15:01

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628

Tot Ion: 91 Resp: 3128
Ion Ratio Lower Upper
91 100
92 34.8 25.6 76.8
134 49.6 12.3 36.8#



#91
1,2-Dichlorobenzene
Concen: 9.298 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025215.D
Acq: 05 Jul 2018 15:01

Tgt Ion: 146 Resp: 50910
Ion Ratio Lower Upper
146 100
111 42.5 20.5 61.6
148 62.7 31.9 95.7

