

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025223.D
 Acq On : 05 Jul 2018 18:16
 Operator : MD/SY
 Sample : J3840-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-6-D

Quant Time: Jul 06 07:01:00 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	210072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	319318	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	292116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153800	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	159042	46.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.76%		
35) Dibromofluoromethane	4.89	113	124745	47.07	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.14%		
50) Toluene-d8	7.57	98	453797	46.95	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.90%		
62) 4-Bromofluorobenzene	10.31	95	166457	43.37	ug/l	0.00
Spiked Amount 50.000			Recovery =	86.74%		

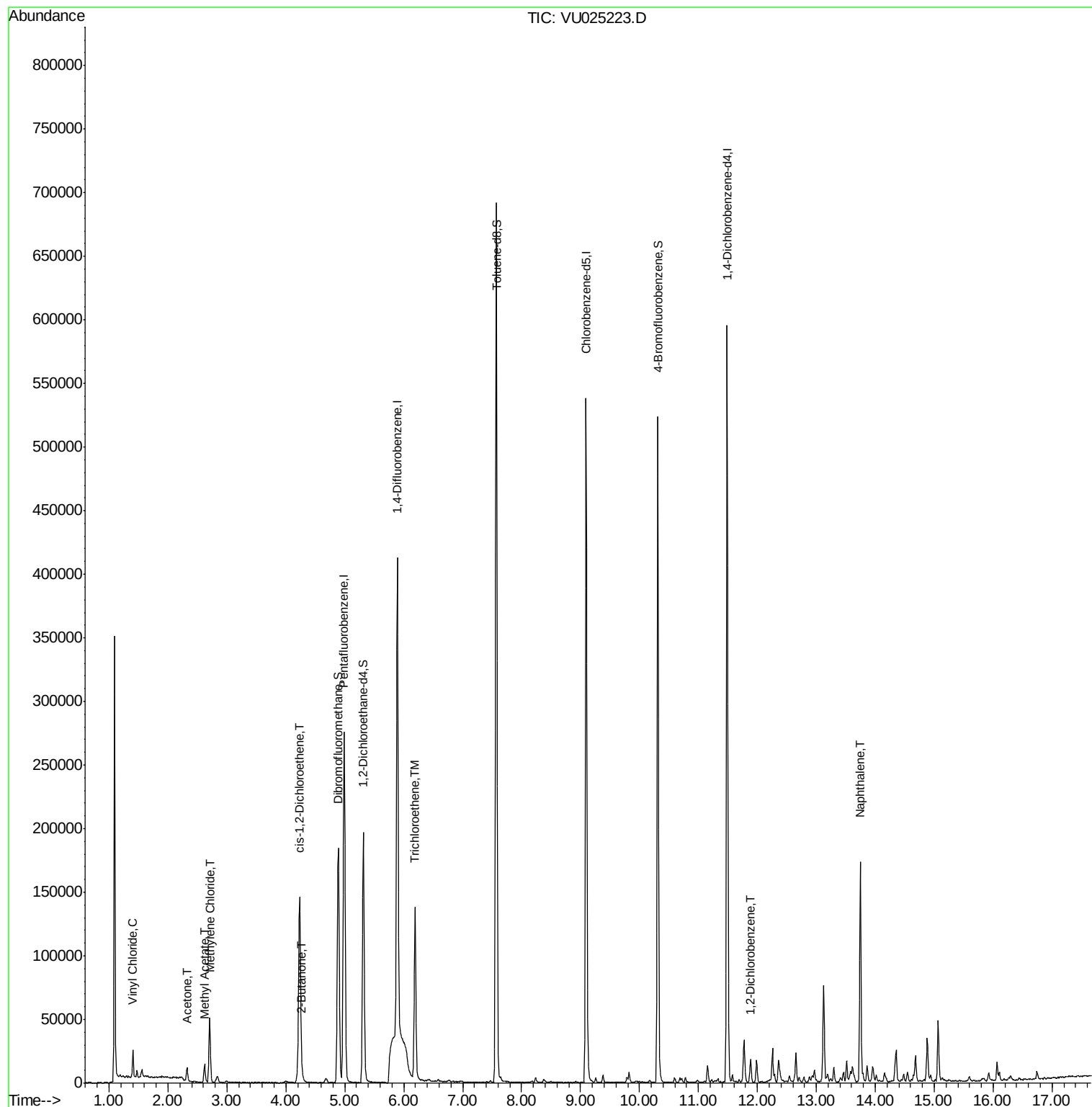
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	13443	4.852	ug/l	96
16) Acetone	2.32	43	11699	6.349	ug/l	94
18) Methyl Acetate	2.62	43	17583	4.451	ug/l	97
20) Methylene Chloride	2.71	84	22925	7.929	ug/l	96
25) 2-Butanone	4.28	43	8024	3.242	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	81908	27.043	ug/l	89
44) Trichloroethene	6.19	130	48758	16.024	ug/l	95
91) 1,2-Dichlorobenzene	11.89	146	6547	1.184	ug/l	92
95) Naphthalene	13.75	128	136799	12.611	ug/l	99

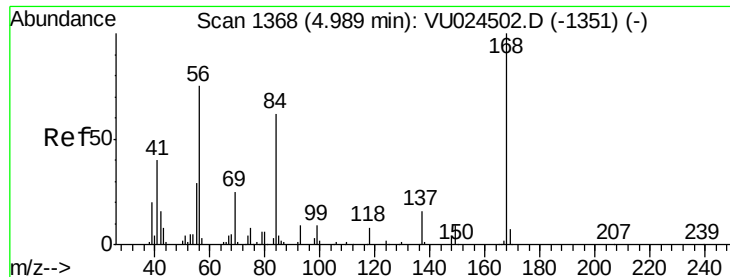
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025223.D

Acq: 05 Jul 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

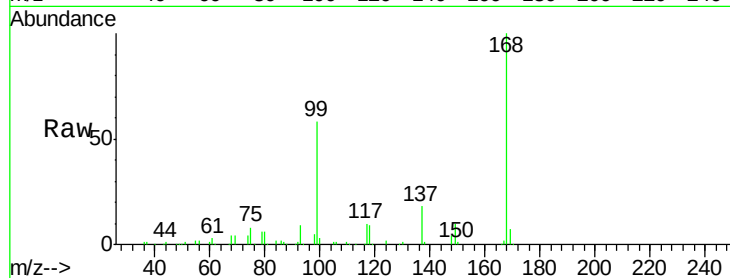
TP-6-D

Tot Ion:168 Resp: 210072

Ion Ratio Lower Upper

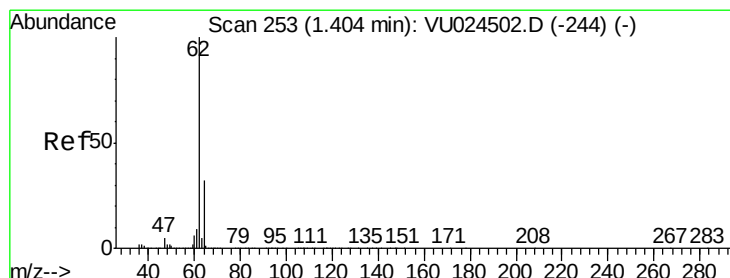
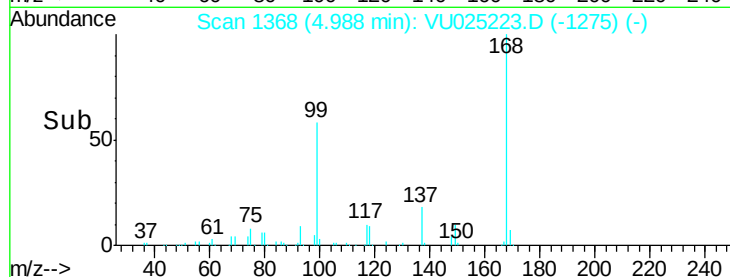
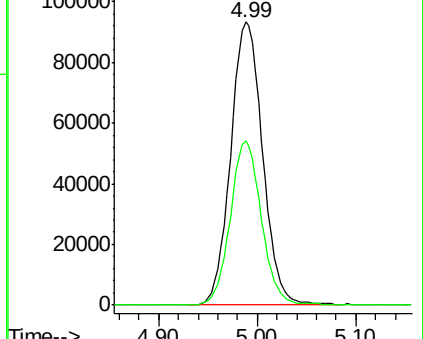
168 100

99 58.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#4

Vinyl Chloride

Concen: 4.852 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025223.D

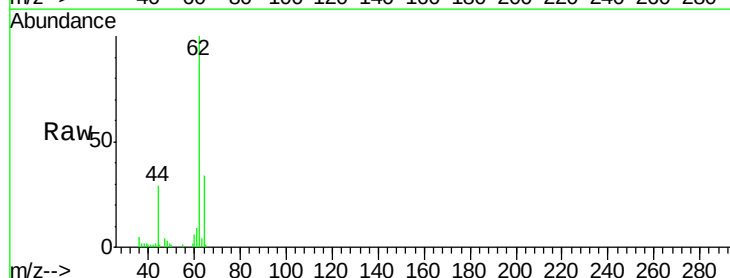
Acq: 05 Jul 2018 18:16

Tgt Ion: 62 Resp: 13443

Ion Ratio Lower Upper

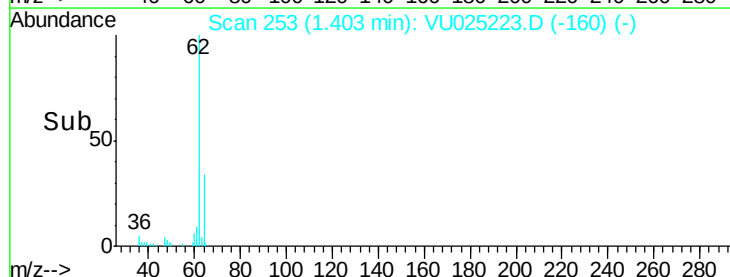
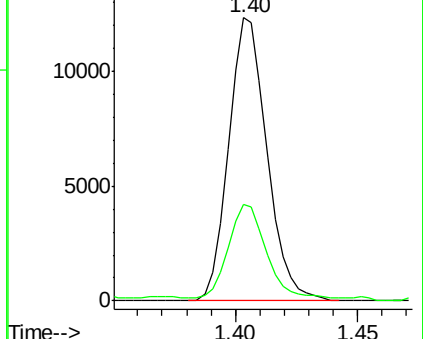
62 100

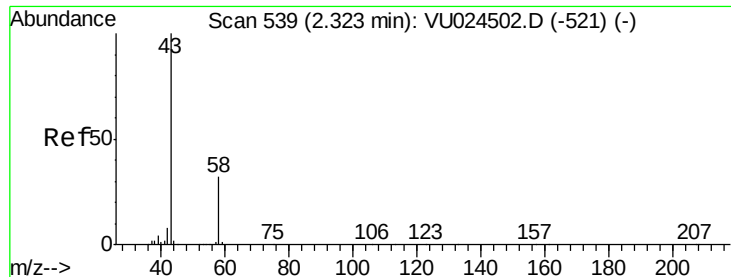
64 33.4 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#16

Acetone

Concen: 6.349 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025223.D

Acq: 05 Jul 2018 18:16

Instrument :

MSVOA_U

ClientSampled :

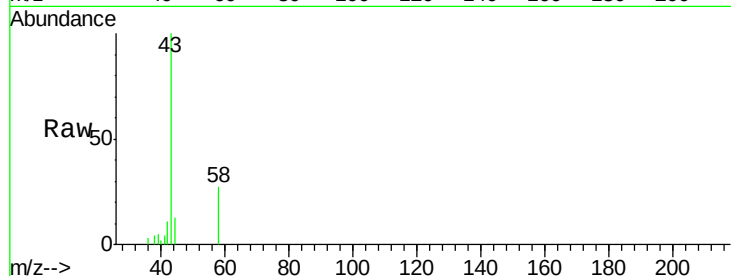
TP-6-D

Tot Ion: 43 Resp: 11699

Ion Ratio Lower Upper

43 100

58 27.2 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

8000

6000

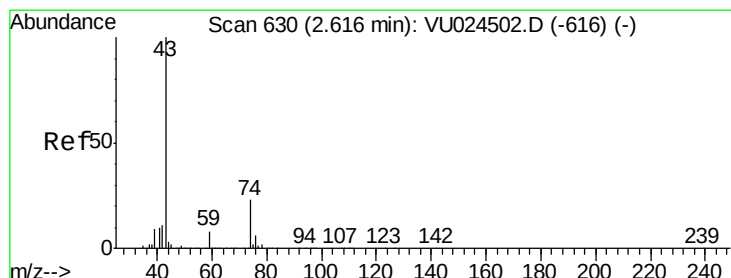
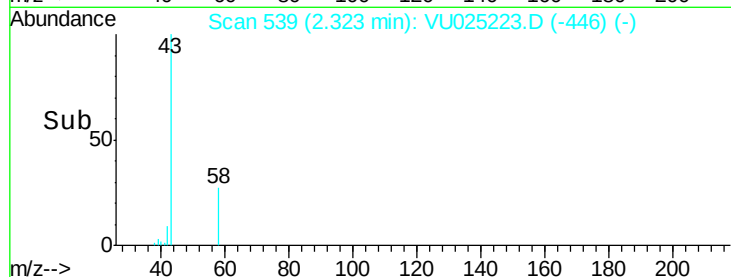
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#18

Methyl Acetate

Concen: 4.451 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025223.D

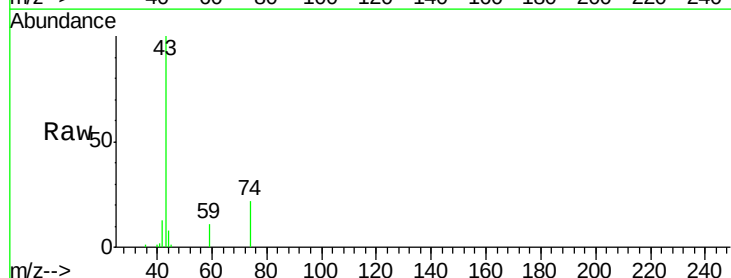
Acq: 05 Jul 2018 18:16

Tgt Ion: 43 Resp: 17583

Ion Ratio Lower Upper

43 100

74 21.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

10000

8000

6000

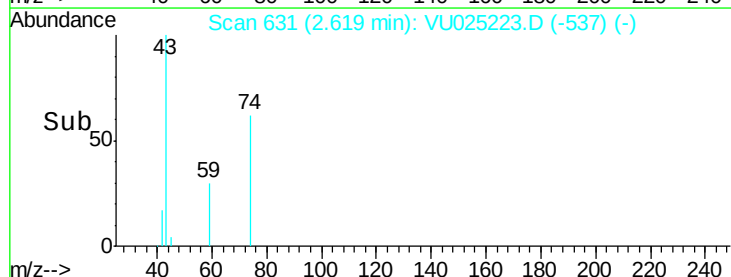
4000

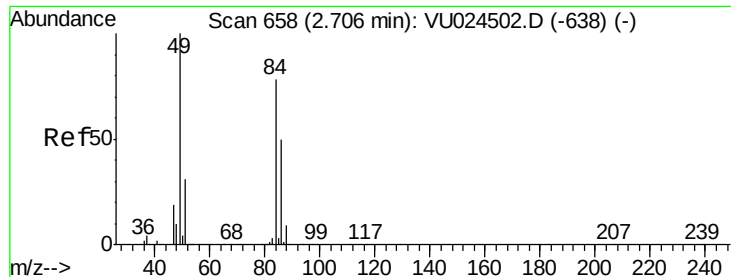
2000

0

Time-->

2.55 2.60 2.65 2.70

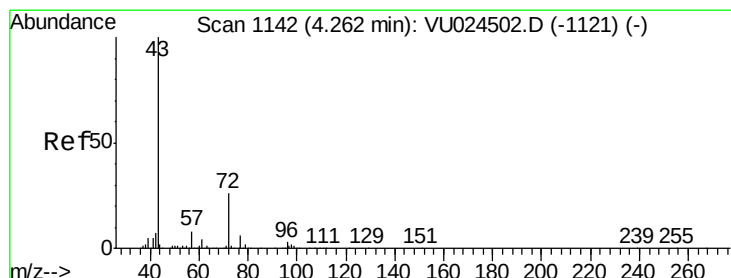
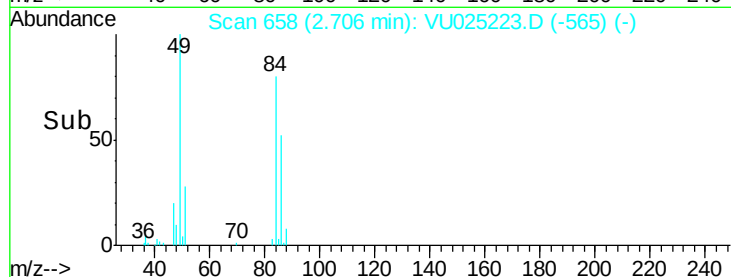
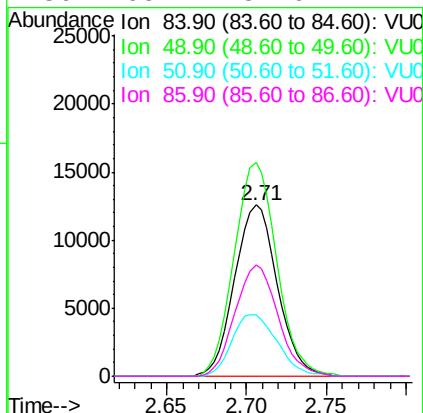
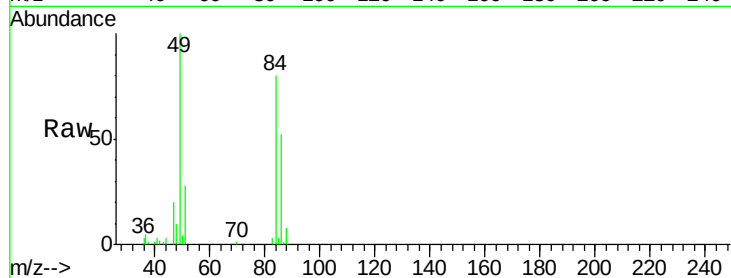




#20
Methylene Chloride
Concen: 7.929 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU025223.D
Acq: 05 Jul 2018 18:16

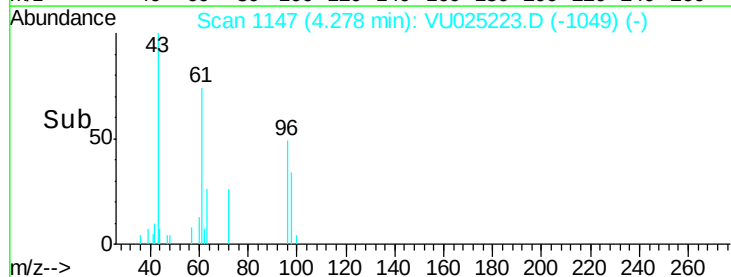
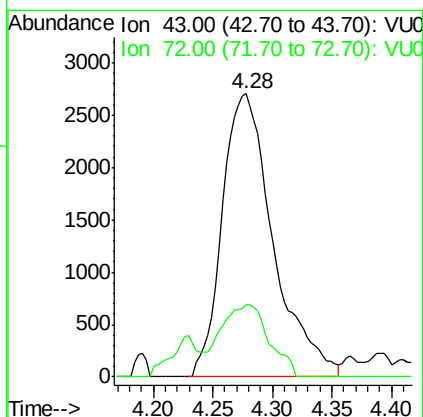
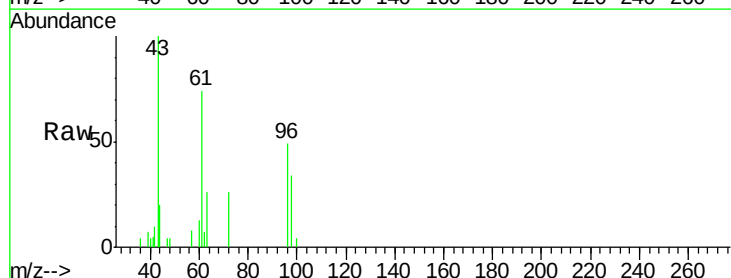
Instrument :
MSVOA_U
ClientSampleId :
TP-6-D

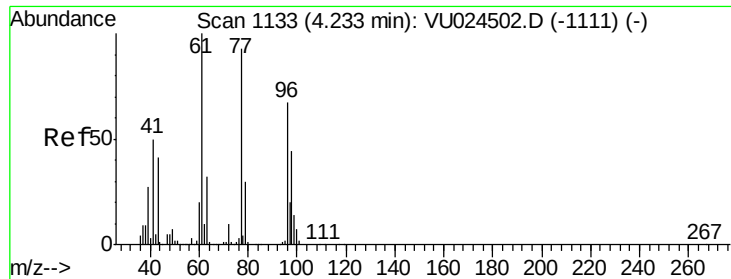
Tot Ion:	84	Resp:	22925
Ion	Ratio	Lower	Upper
84	100		
49	124.7	103.8	155.8
51	35.5	32.0	48.0
86	65.1	51.6	77.4



#25
2-Butanone
Concen: 3.242 ug/l
RT: 4.28 min Scan# 1147
Delta R.T. 0.02 min
Lab File: VU025223.D
Acq: 05 Jul 2018 18:16

Tgt Ion:	43	Resp:	8024
Ion	Ratio	Lower	Upper
43	100		
72	25.6	19.6	29.4





#27

cis-1,2-Dichloroethene

Concen: 27.043 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025223.D

Acq: 05 Jul 2018 18:16

Instrument :

MSVOA_U

ClientSampled :

TP-6-D

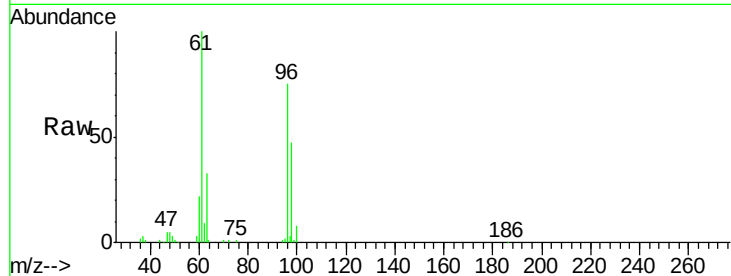
Tot Ion: 96 Resp: 81908

Ion Ratio Lower Upper

96 100

61 133.6 0.0 306.6

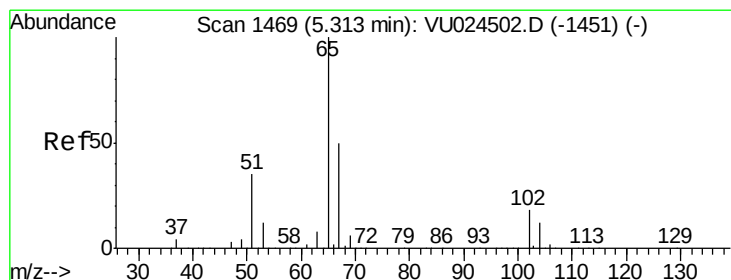
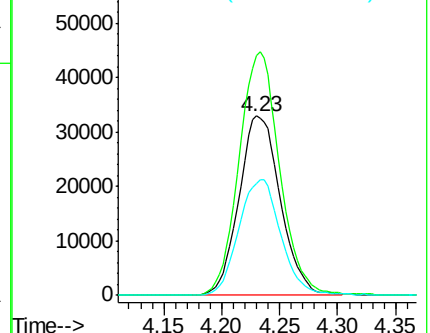
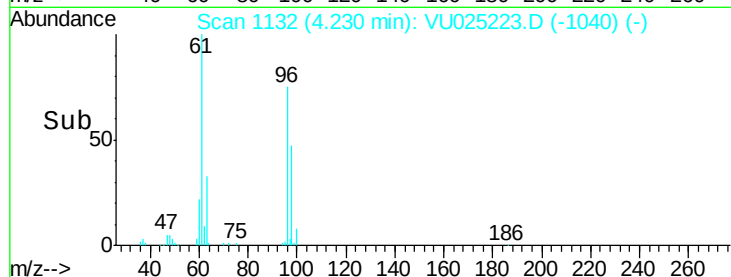
98 65.6 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 46.375 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025223.D

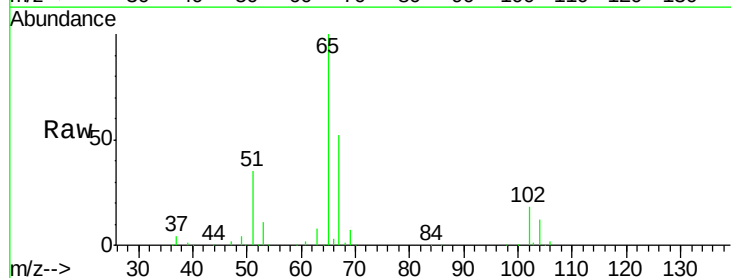
Acq: 05 Jul 2018 18:16

Tgt Ion: 65 Resp: 159042

Ion Ratio Lower Upper

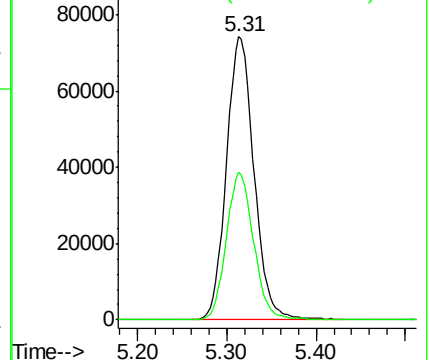
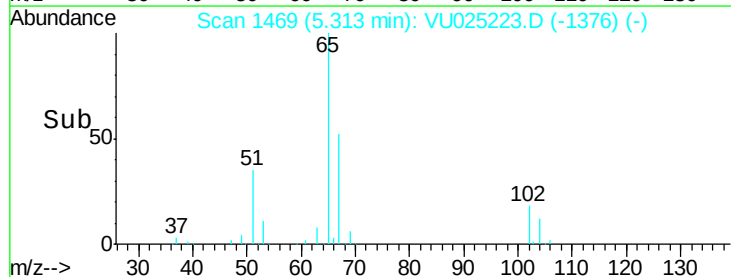
65 100

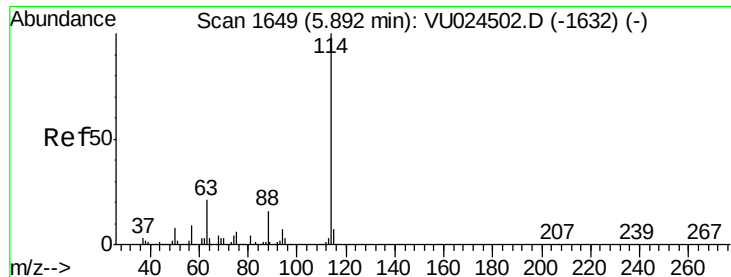
67 51.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025223.D

Acq: 05 Jul 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

TP-6-D

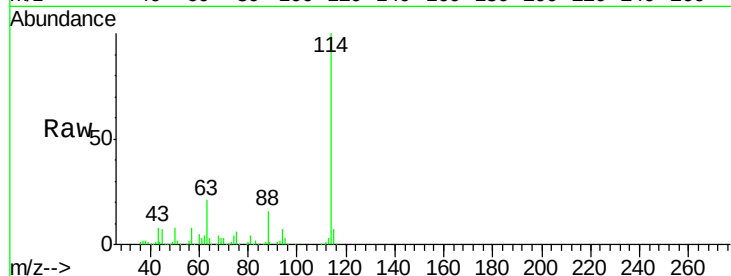
Tot Ion:114 Resp: 319318

Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.4

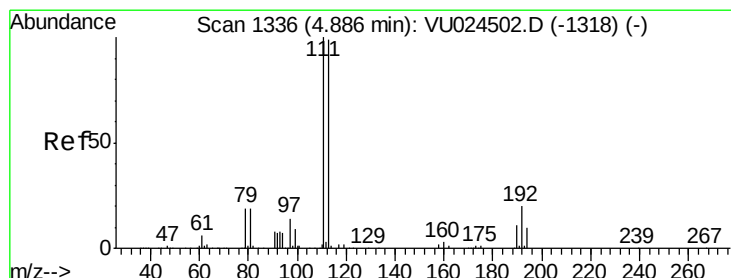
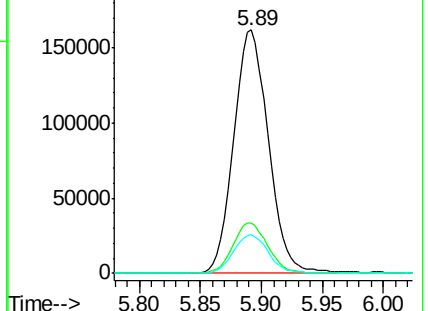
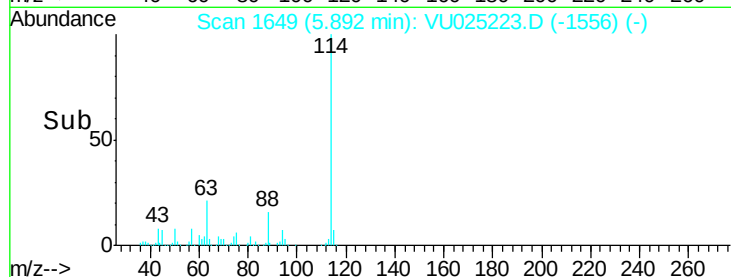
88 15.7 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 47.072 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025223.D

Acq: 05 Jul 2018 18:16

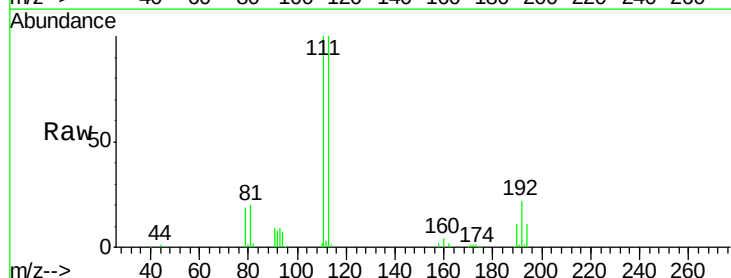
Tgt Ion:113 Resp: 124745

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

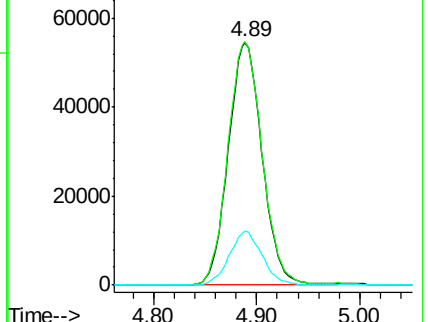
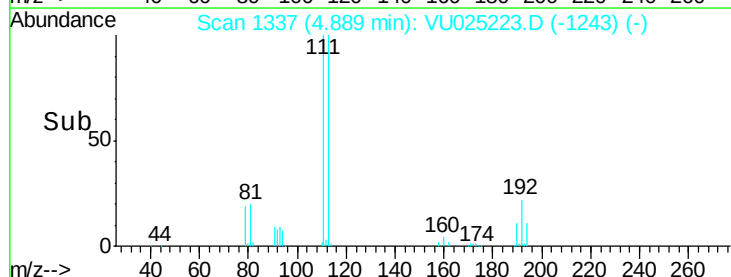
192 21.5 16.2 24.4

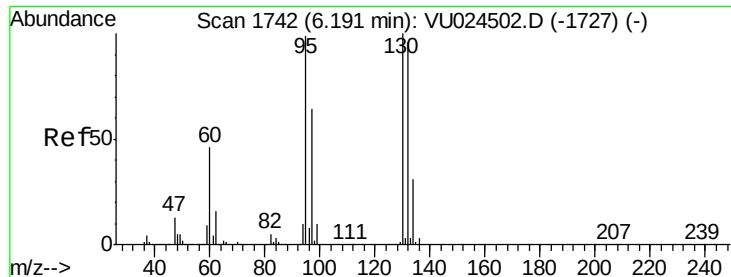


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

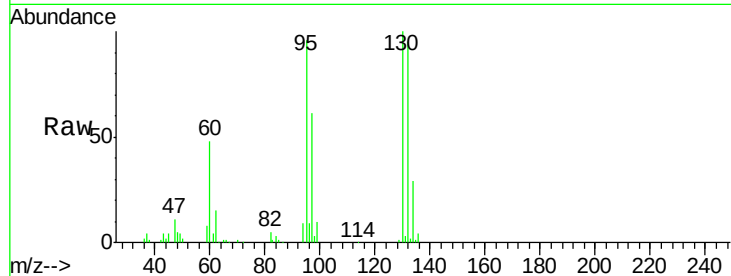




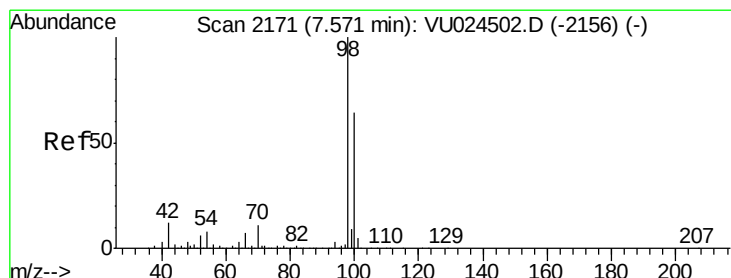
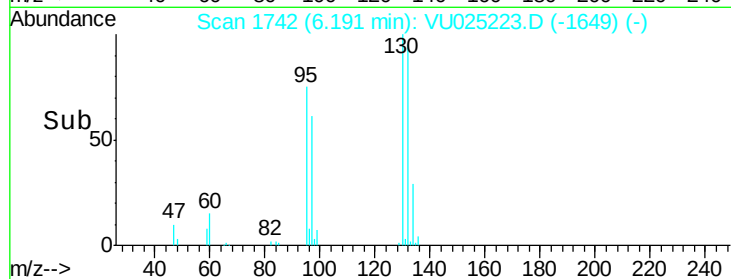
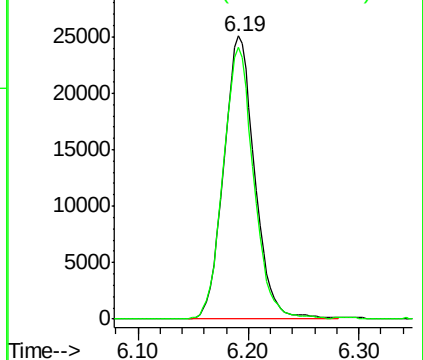
#44
 Trichloroethene
 Concen: 16.024 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU025223.D
 Acq: 05 Jul 2018 18:16

Instrument :
 MSVOA_U
 ClientSampled :
 TP-6-D

Tot Ion:130 Resp: 48758
 Ion Ratio Lower Upper
 130 100
 95 95.8 0.0 202.4

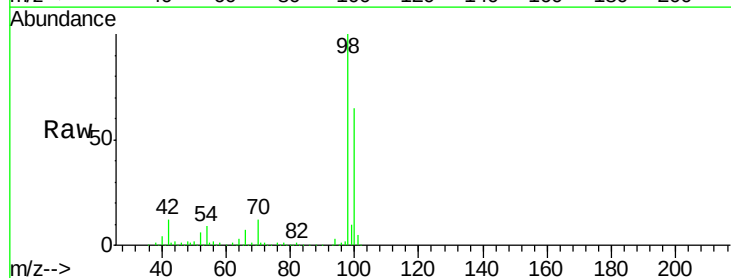


Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)
 Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)

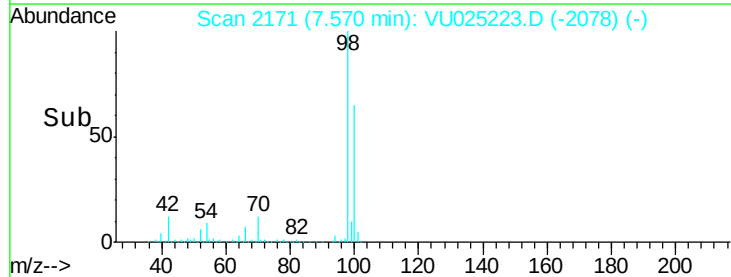
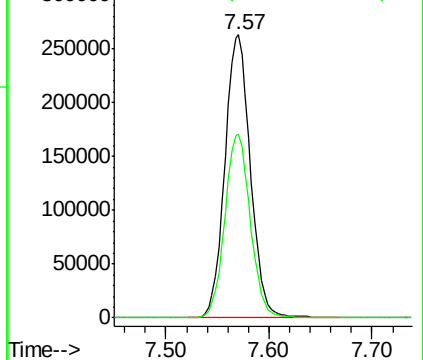


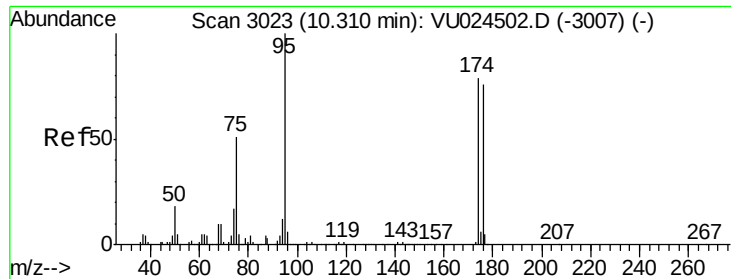
#50
 Toluene-d8
 Concen: 46.945 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU025223.D
 Acq: 05 Jul 2018 18:16

Tgt Ion: 98 Resp: 453797
 Ion Ratio Lower Upper
 98 100
 100 64.6 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) (-)

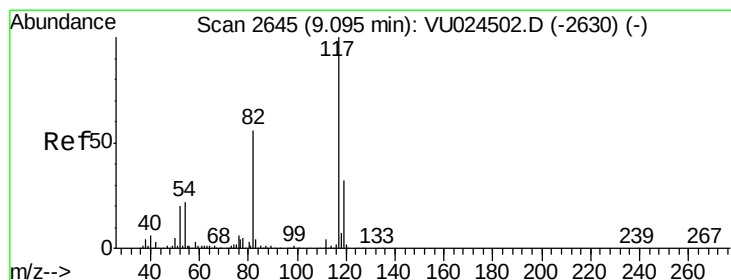
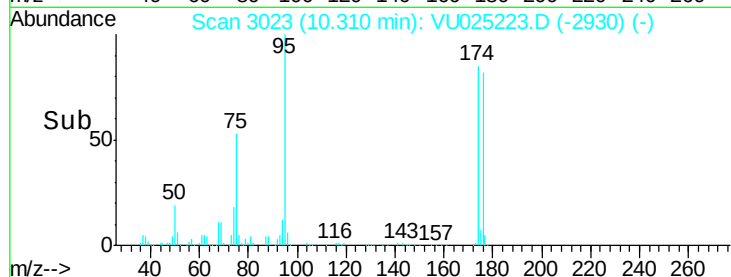
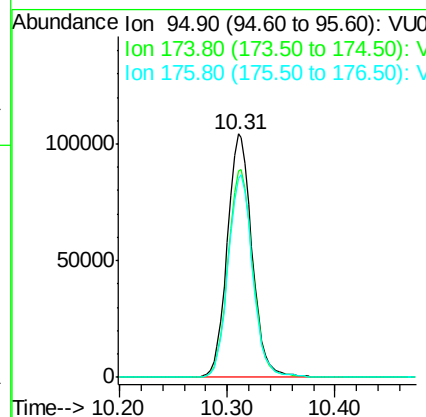
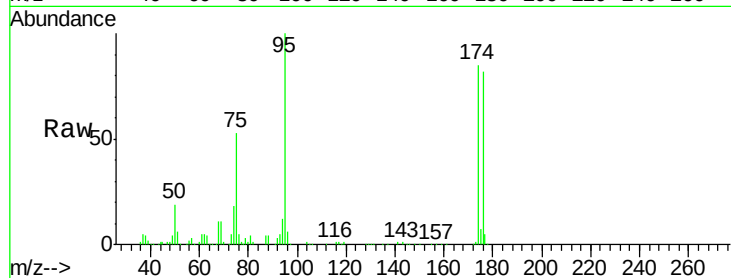




#62
4-Bromofluorobenzene
Concen: 43.371 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025223.D
Acq: 05 Jul 2018 18:16

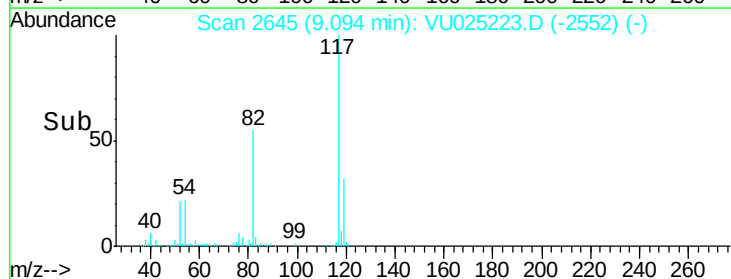
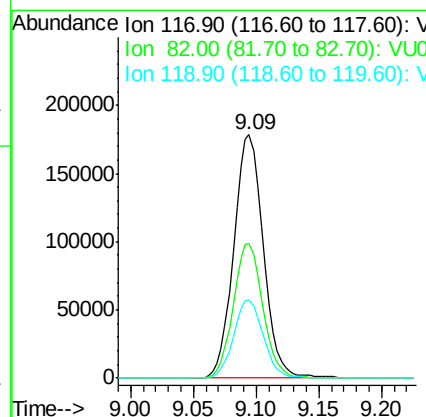
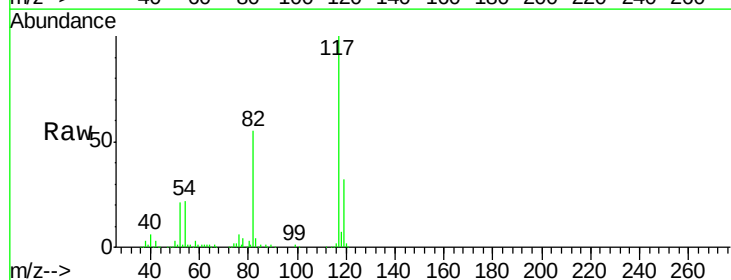
Instrument :
MSVOA_U
ClientSampled :
TP-6-D

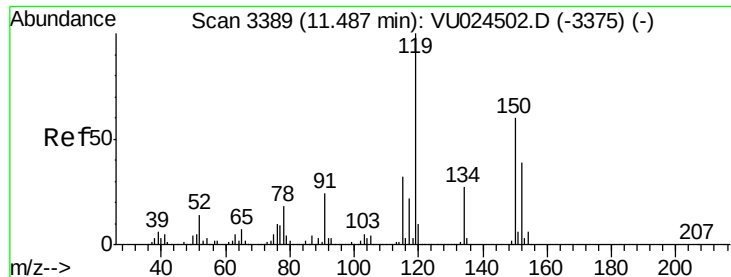
Tot Ion: 95 Resp: 166457
Ion Ratio Lower Upper
95 100
174 85.3 0.0 165.8
176 82.7 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025223.D
Acq: 05 Jul 2018 18:16

Tgt Ion: 117 Resp: 292116
Ion Ratio Lower Upper
117 100
82 55.3 44.3 66.5
119 32.1 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: VU025223.D

Acq: 05 Jul 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

TP-6-D

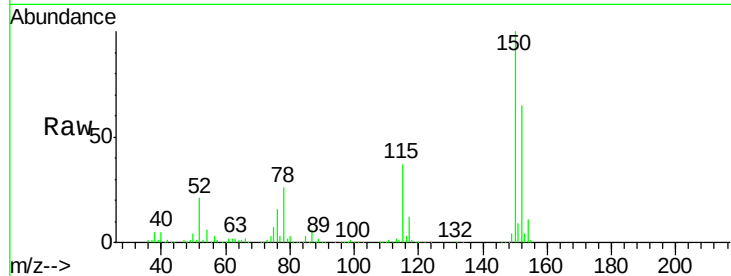
Tot Ion:152 Resp: 153800

Ion Ratio Lower Upper

152 100

115 57.5 43.0 129.0

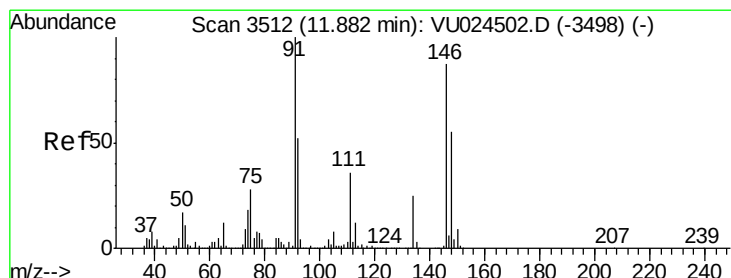
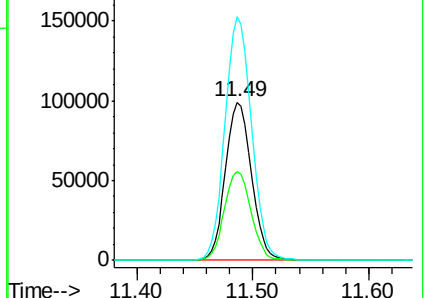
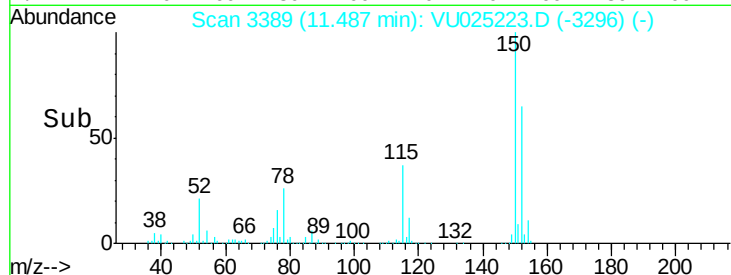
150 156.8 0.0 354.0



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



#91

1,2-Dichlorobenzene

Concen: 1.184 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025223.D

Acq: 05 Jul 2018 18:16

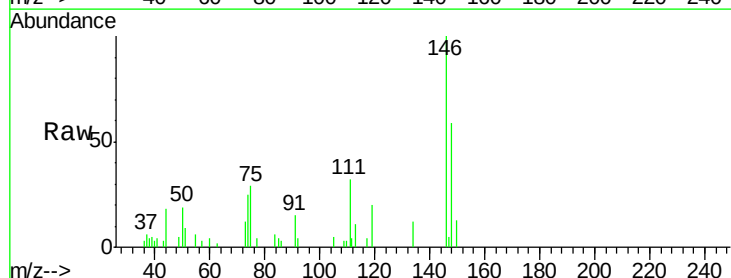
Tgt Ion:146 Resp: 6547

Ion Ratio Lower Upper

146 100

111 35.9 20.5 61.6

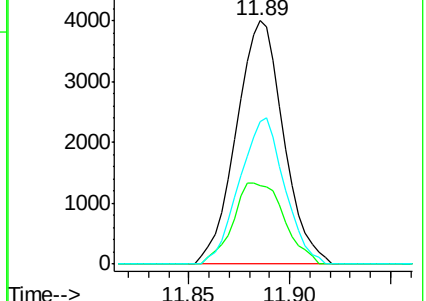
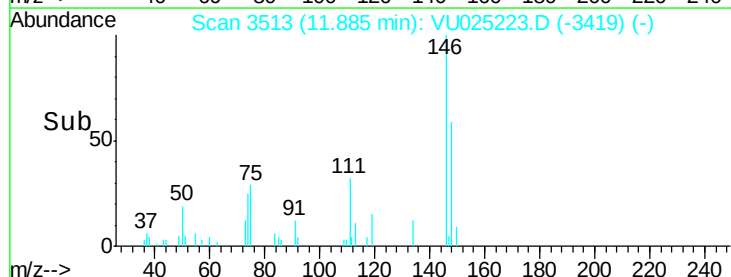
148 57.5 31.9 95.7

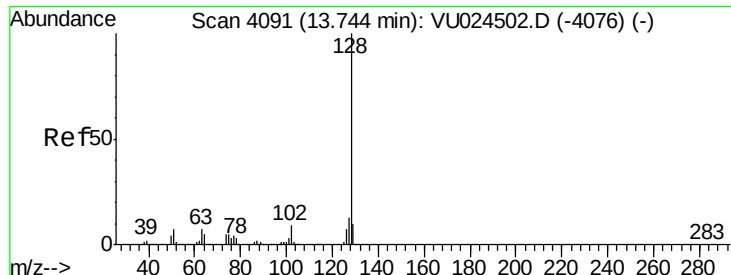


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95

Naphthalene

Concen: 12.611 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025223.D

Acq: 05 Jul 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

TP-6-D

Tot Ion:128 Resp: 136799

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 11.4 8.6 12.8

