

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025256.D
 Acq On : 06 Jul 2018 21:43
 Operator : MD/SY
 Sample : J3842-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S10-TB-2018-3

Quant Time: Jul 06 23:33:00 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

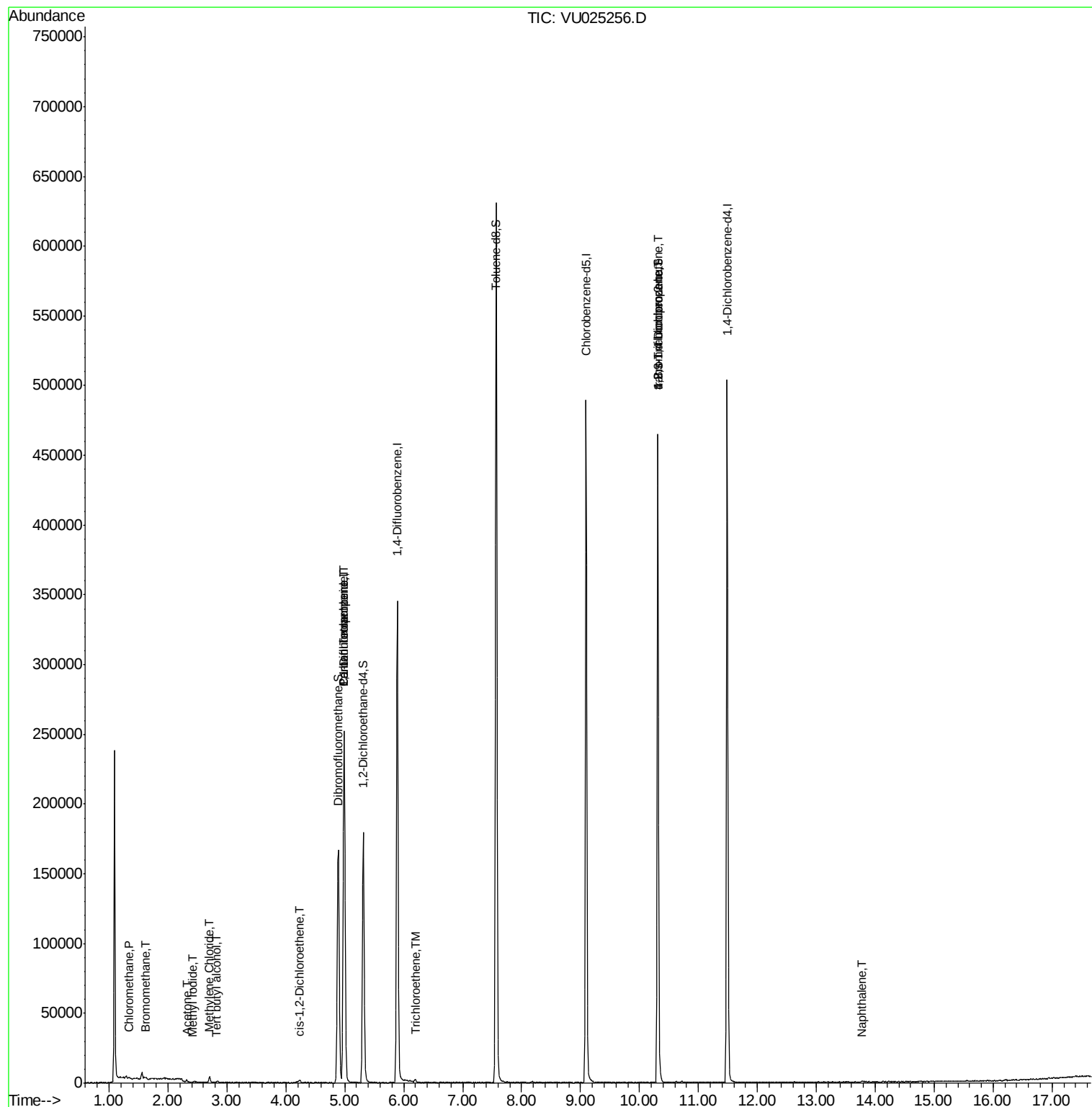
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	290155	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	271759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	136352	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	147780	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
35) Dibromofluoromethane	4.89	113	113420	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
50) Toluene-d8	7.57	98	420071	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
62) 4-Bromofluorobenzene	10.31	95	153219	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	501	0.200	ug/l #	87
5) Bromomethane	1.64	94	309	0.248	ug/l	97
6) Chloroethane	1.69	64	53	Below Cal	#	43
10) Methyl Iodide	2.42	142	121	5.341	ug/l #	40
11) Tert butyl alcohol	2.83	59	758	0.976	ug/l #	72
16) Acetone	2.32	43	1673	0.975	ug/l	94
20) Methylene Chloride	2.71	84	1874	0.696	ug/l #	79
27) cis-1,2-Dichloroethene	4.23	96	951	0.337	ug/l	48
31) Cyclohexane	4.98	56	3520	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14750	4.326	ug/l #	52
38) Carbon Tetrachloride	4.99	117	18766	5.005	ug/l #	17
44) Trichloroethene	6.19	130	943	0.341	ug/l	61
76) 1,2,3-Trichloropropane	10.31	75	80358	26.768	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	80358	61.953	ug/l #	100
95) Naphthalene	13.76	128	697	0.748	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

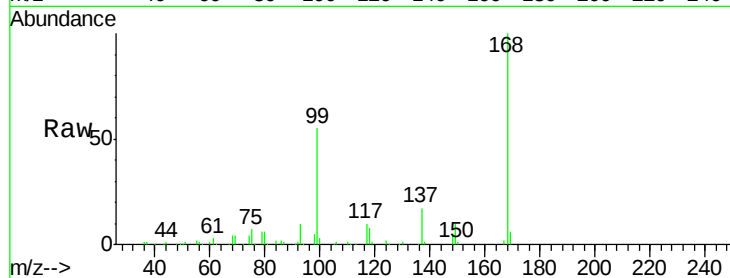
S10-TB-2018-3

Tot Ion:168 Resp: 195567

Ion Ratio Lower Upper

168 100

99 55.4 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

80000

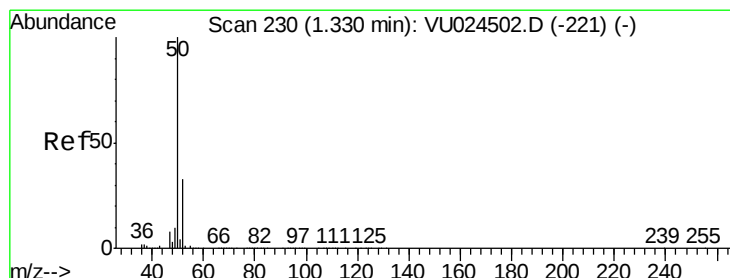
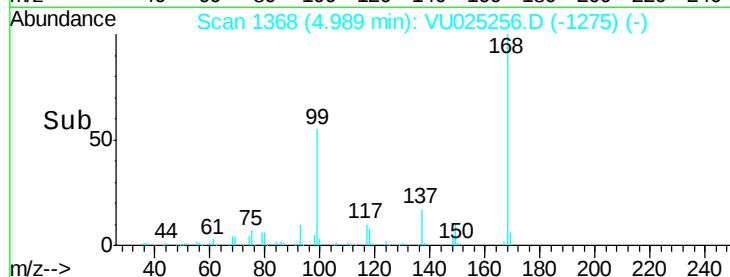
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.200 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025256.D

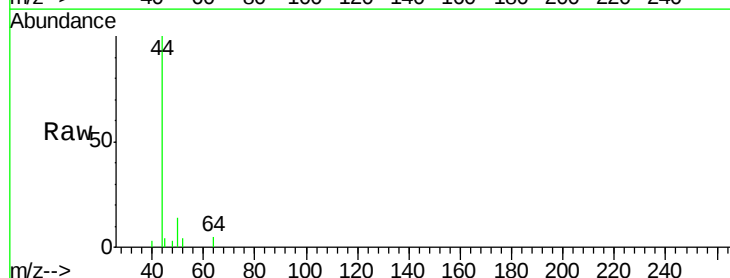
Acq: 06 Jul 2018 21:43

Tgt Ion: 50 Resp: 501

Ion Ratio Lower Upper

50 100

52 25.8 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

500

400

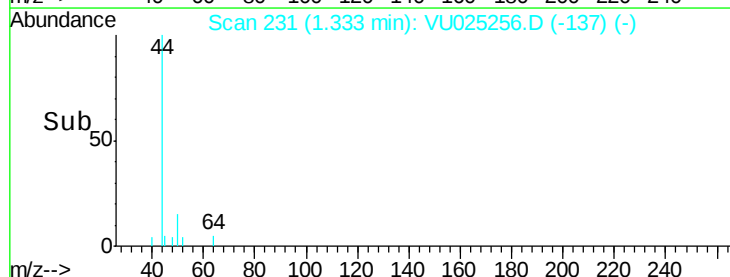
300

200

100

0

Time-->





#5

Bromomethane

Concen: 0.248 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

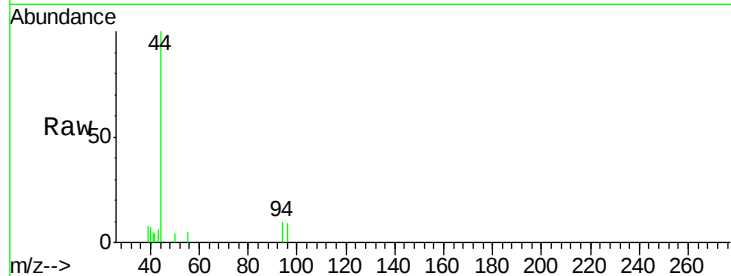
S10-TB-2018-3

Tot Ion: 94 Resp: 309

Ion Ratio Lower Upper

94 100

96 95.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.64

250

200

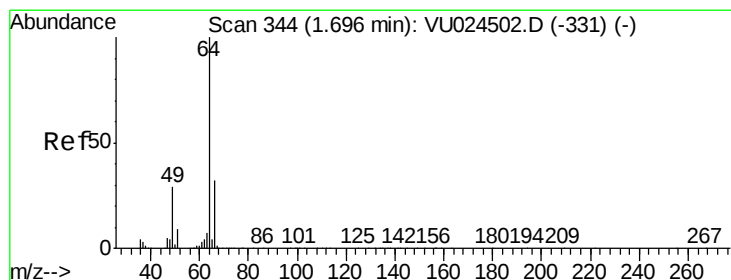
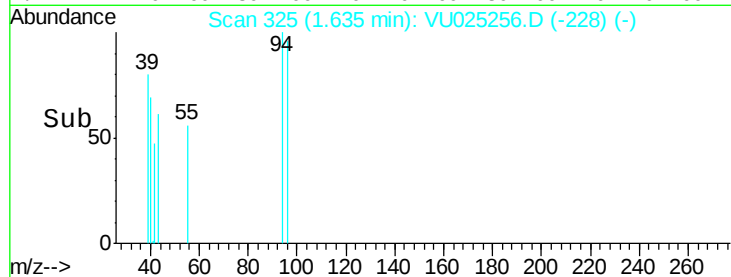
150

100

50

0

Time--> 1.60 1.62 1.64 1.66



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025256.D

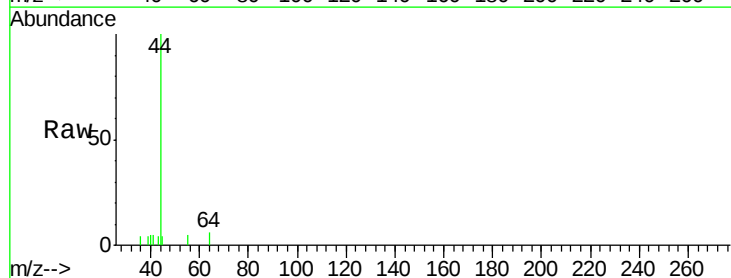
Acq: 06 Jul 2018 21:43

Tgt Ion: 64 Resp: 53

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

1.69

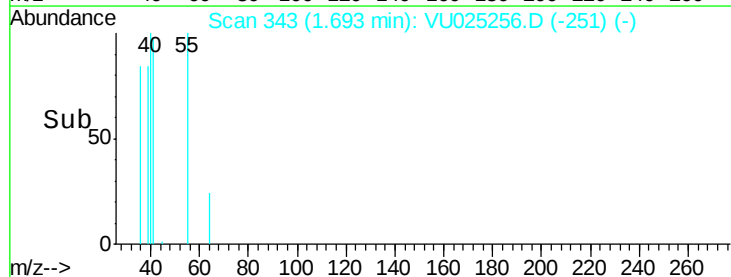
150

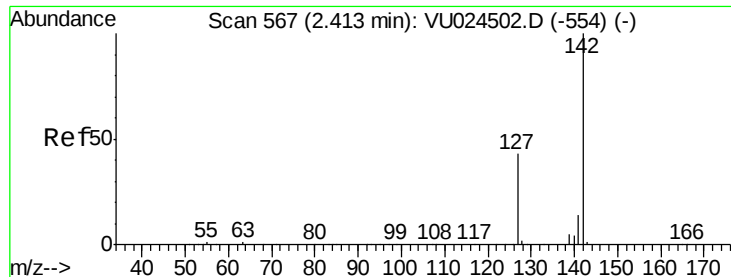
100

50

0

Time--> 1.68 1.69 1.70

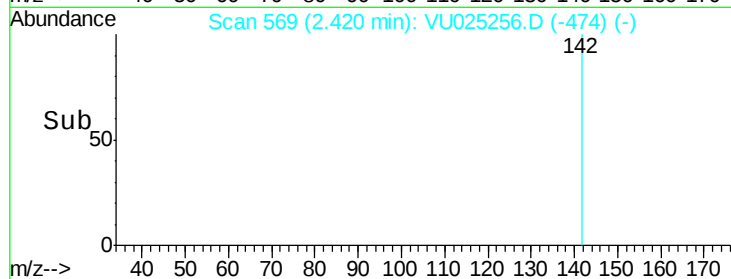
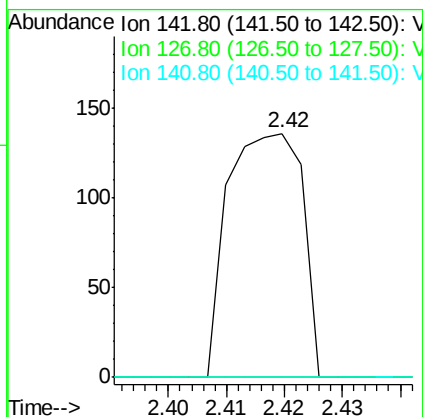
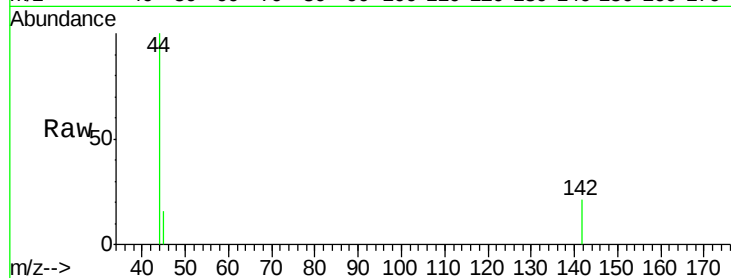




#10
Methvl Iodide
Concen: 5.341 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU025256.D
Acq: 06 Jul 2018 21:43

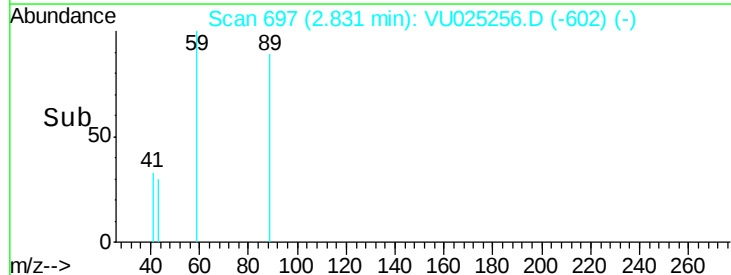
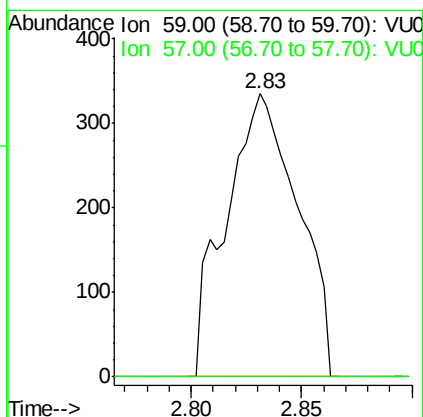
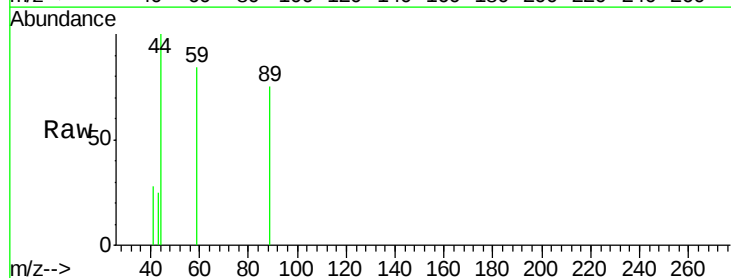
Instrument :
MSVOA_U
ClientSampleId :
S10-TB-2018-3

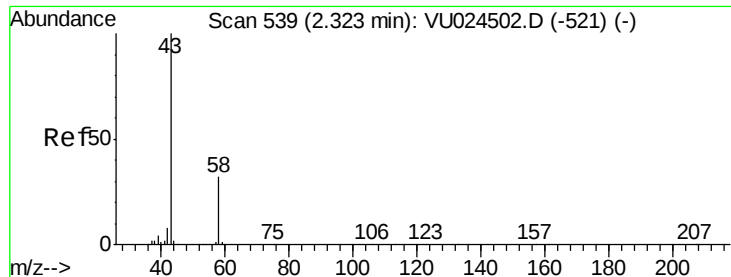
Tot Ion:142 Resp: 121
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.976 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU025256.D
Acq: 06 Jul 2018 21:43

Tgt Ion: 59 Resp: 758
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 0.975 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

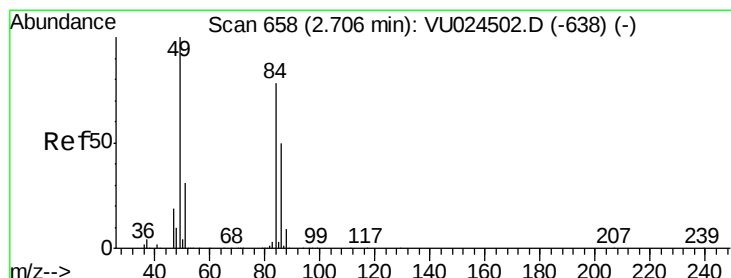
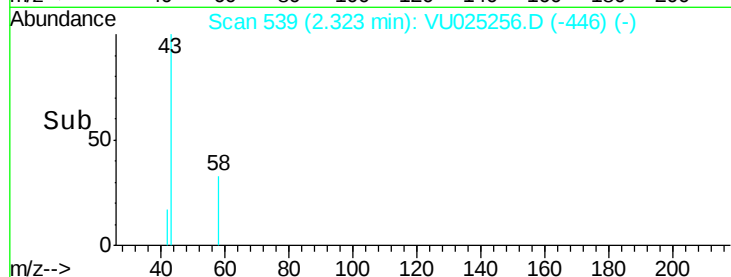
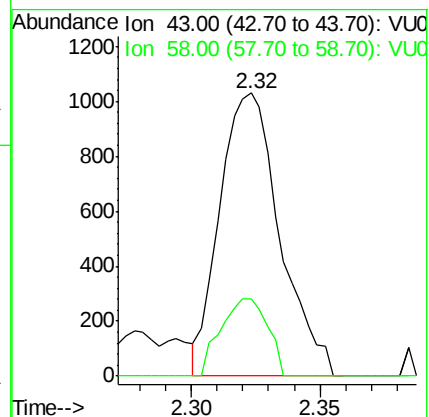
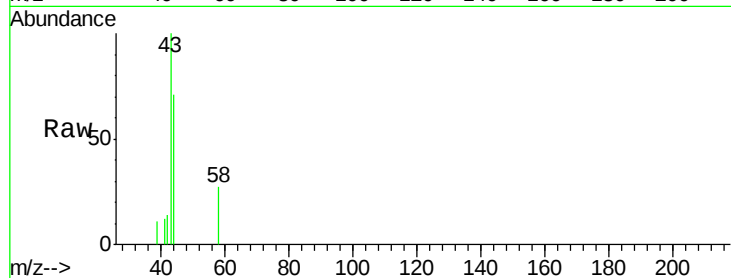
S10-TB-2018-3

Tot Ion: 43 Resp: 1673

Ion Ratio Lower Upper

43 100

58 27.3 24.4 36.6



#20

Methylene Chloride

Concen: 0.696 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.00 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

Tgt Ion: 84 Resp: 1874

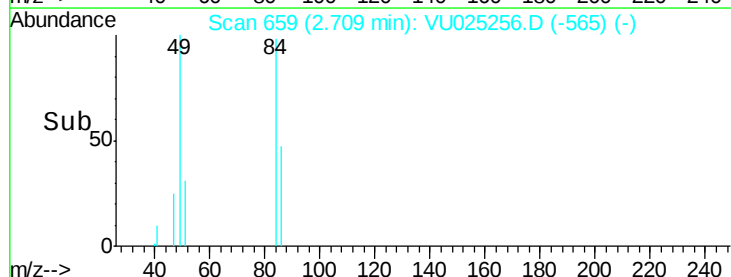
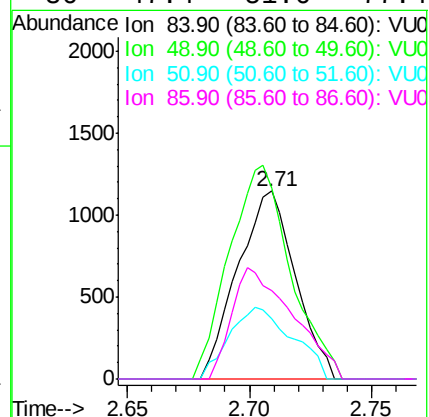
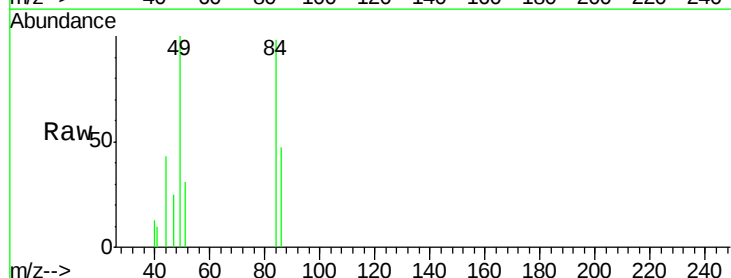
Ion Ratio Lower Upper

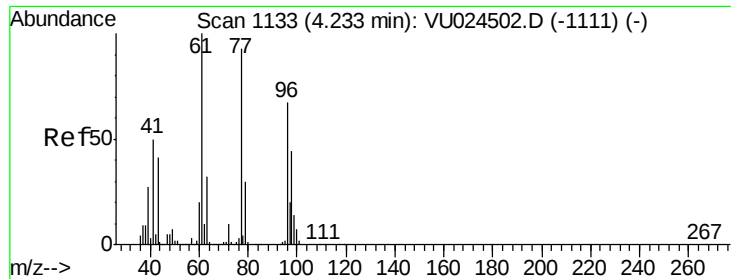
84 100

49 101.9 103.8 155.8#

51 32.0 32.0 48.0#

86 47.4 51.6 77.4#





#27

cis-1,2-Dichloroethene

Concen: 0.337 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

S10-TB-2018-3

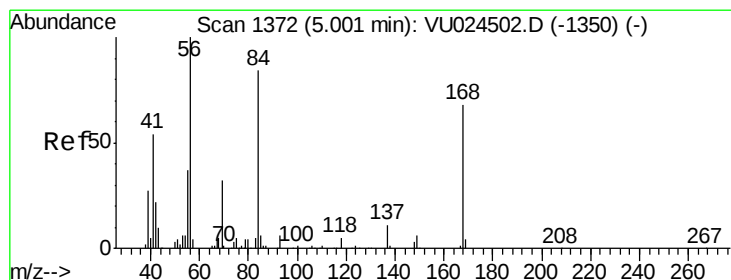
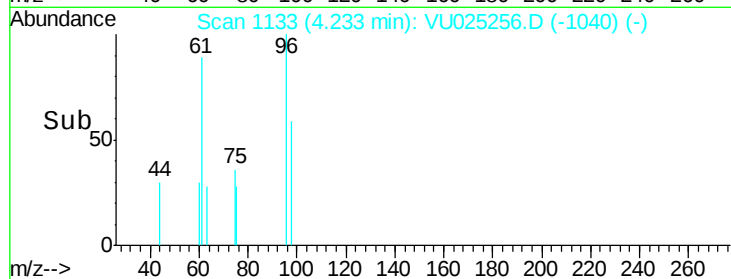
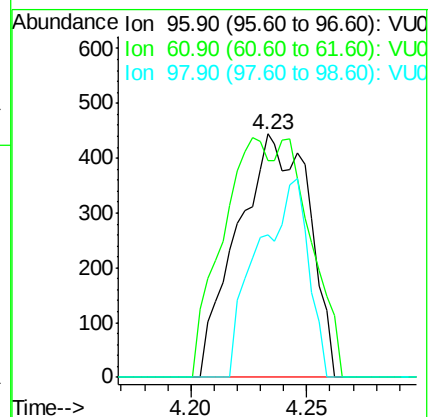
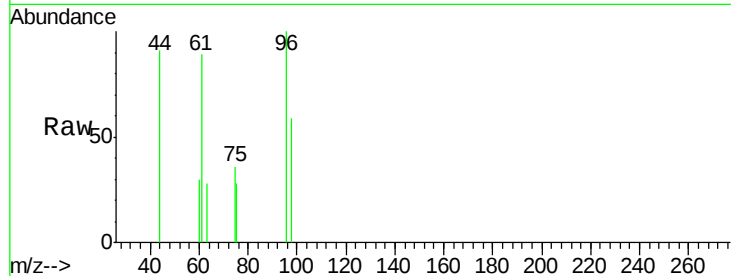
Tot Ion: 96 Resp: 951

Ion Ratio Lower Upper

96 100

61 63.6 0.0 306.6

98 57.4 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

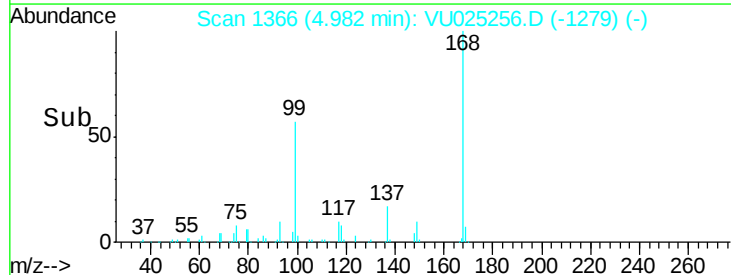
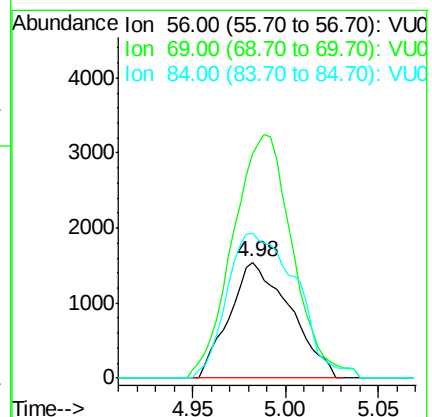
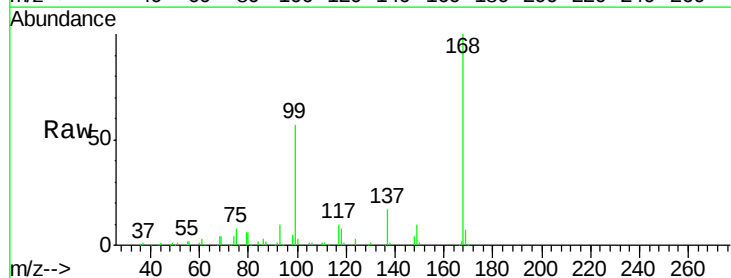
Tgt Ion: 56 Resp: 3520

Ion Ratio Lower Upper

56 100

69 185.3 24.8 37.2#

84 125.4 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: 46.287 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

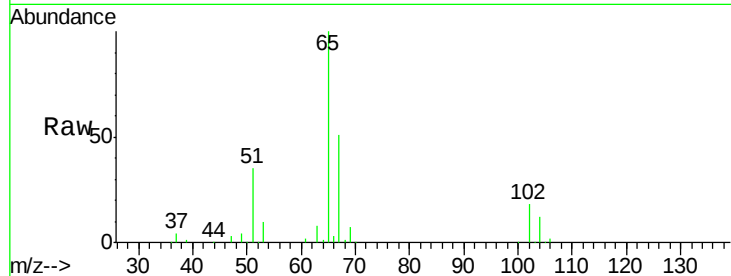
S10-TB-2018-3

Tot Ion: 65 Resp: 147780

Ion Ratio Lower Upper

65 100

67 50.9 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024502.D (-1451) (-)

Ion 66.90 (66.60 to 67.60): VU024502.D (-1451) (-)

5.31

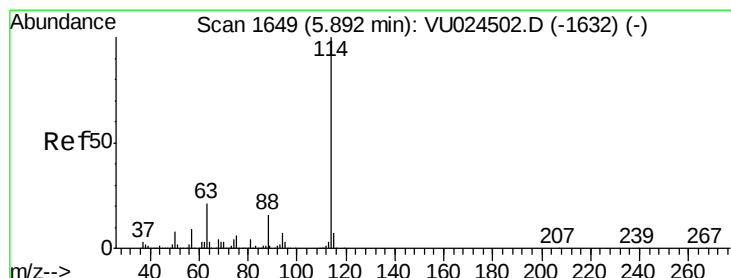
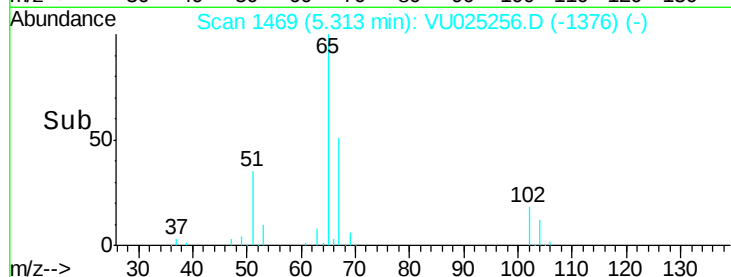
60000

40000

20000

0

Time--> 5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

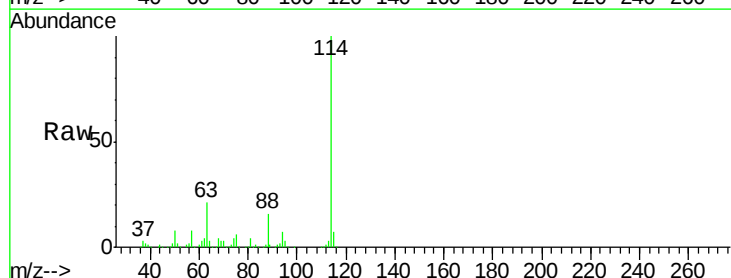
Tgt Ion: 114 Resp: 290155

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.4

88 16.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024502.D (-1632) (-)

Ion 63.00 (62.70 to 63.70): VU024502.D (-1632) (-)

Ion 87.90 (87.60 to 88.60): VU024502.D (-1632) (-)

5.89

200000

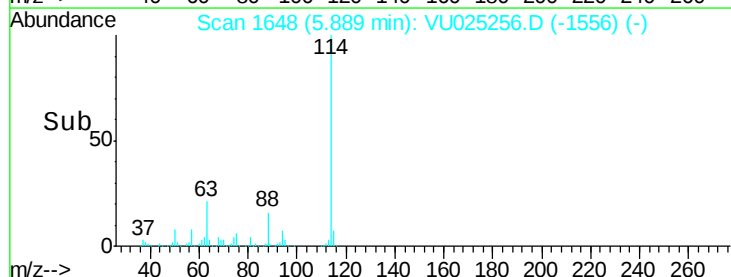
150000

100000

50000

0

Time--> 5.80 5.90 6.00

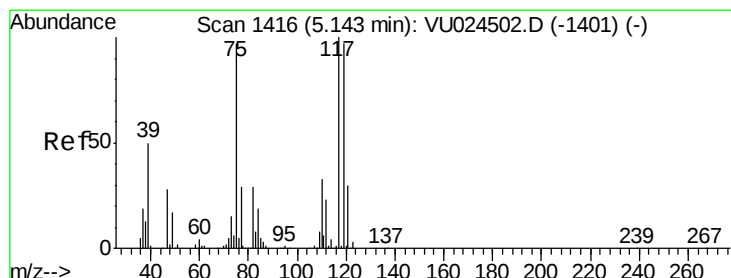
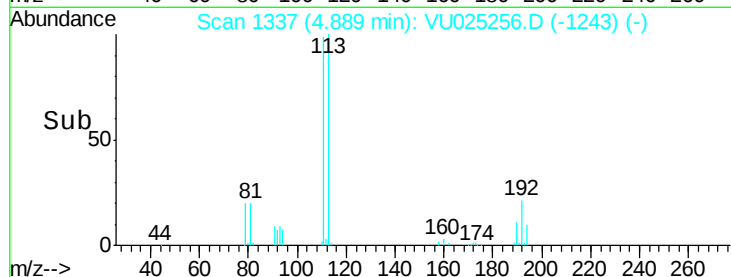
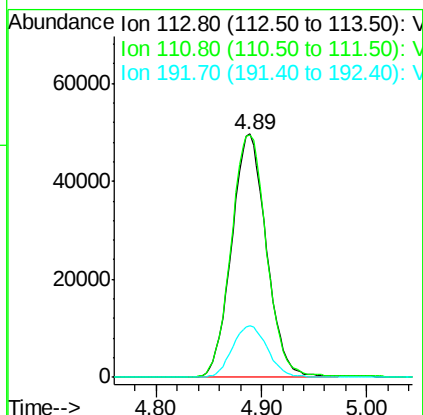
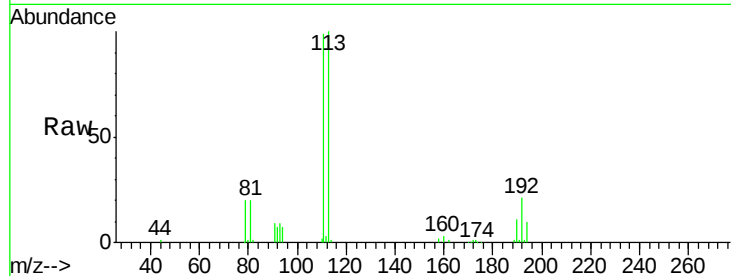




#35
 Dibromofluoromethane
 Concen: 47.100 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025256.D
 Acq: 06 Jul 2018 21:43

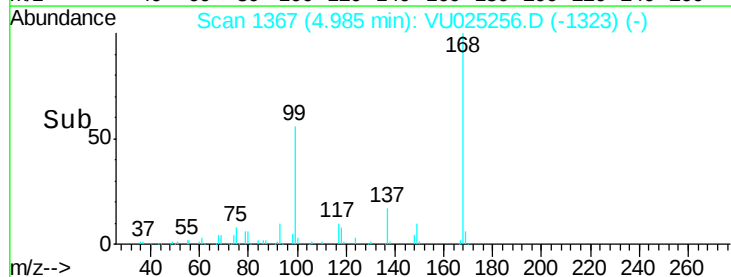
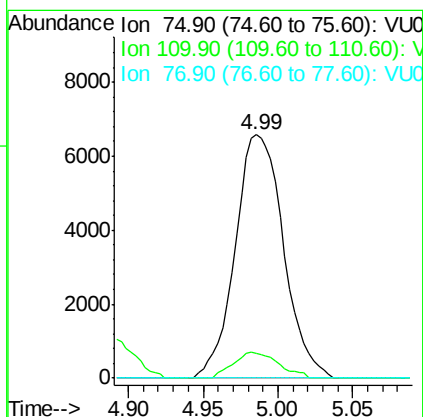
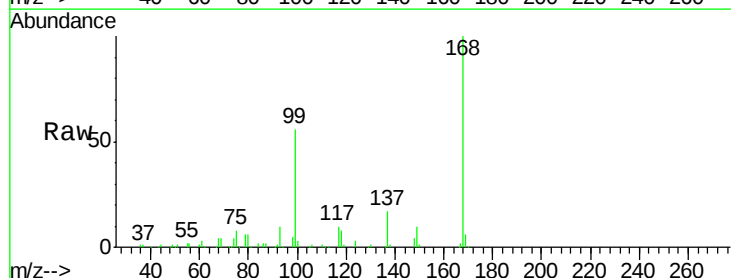
Instrument :
 MSVOA_U
 ClientSampleId :
 S10-TB-2018-3

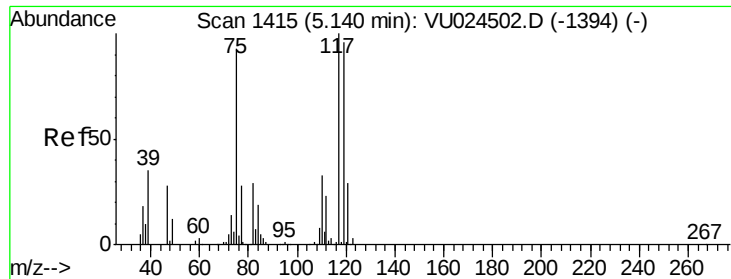
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	21.5	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.326 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025256.D
 Acq: 06 Jul 2018 21:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.005 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

S10-TB-2018-3

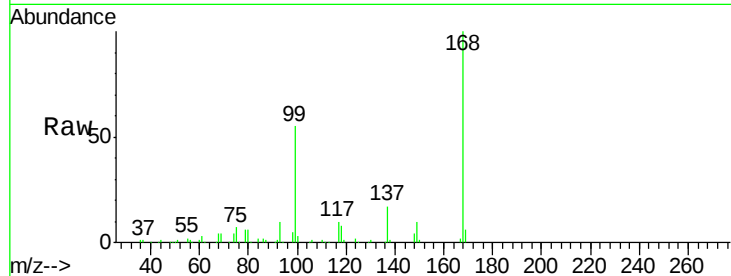
Tot Ion:117 Resp: 18766

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

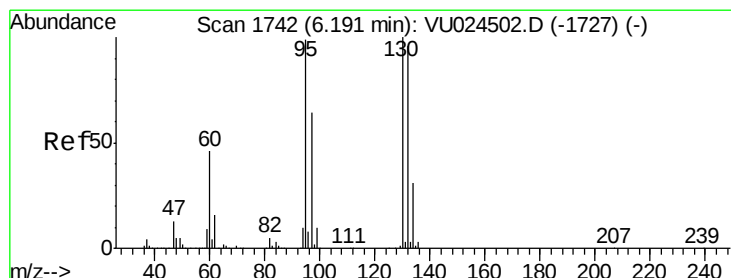
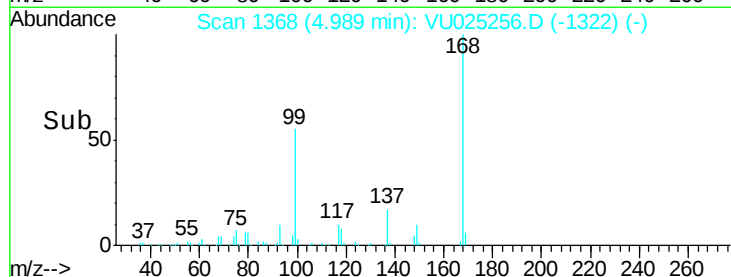
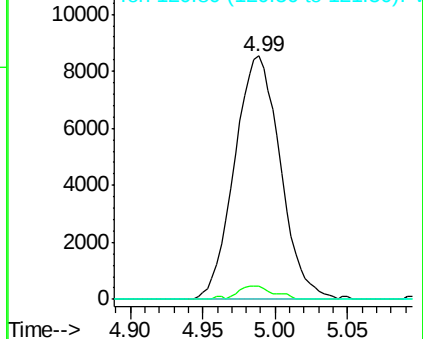
121 0.0 23.7 35.5#



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



#44

Trichloroethene

Concen: 0.341 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU025256.D

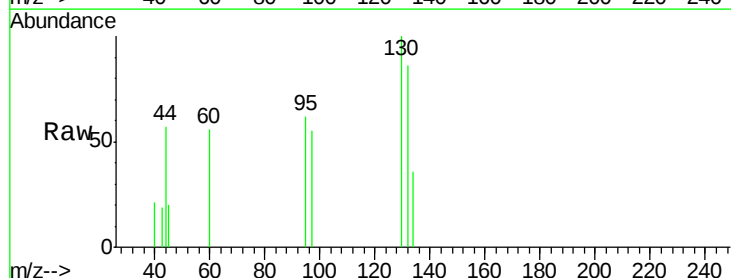
Acq: 06 Jul 2018 21:43

Tgt Ion:130 Resp: 943

Ion Ratio Lower Upper

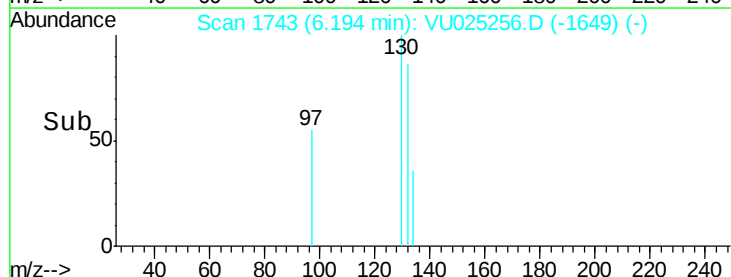
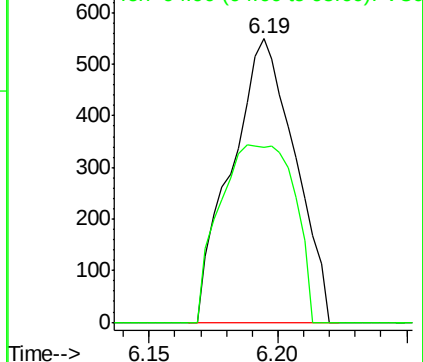
130 100

95 61.9 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

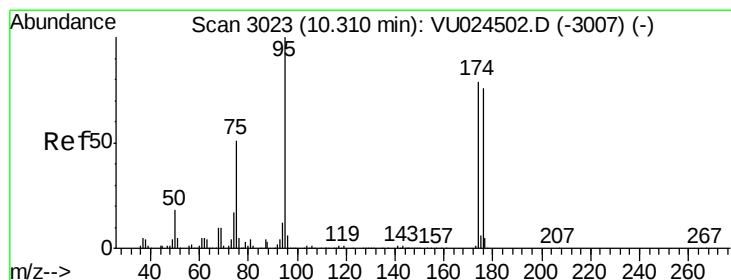
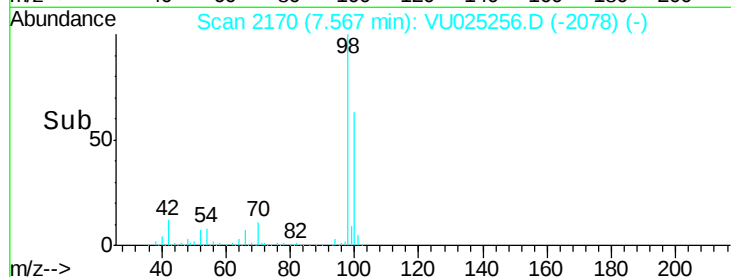
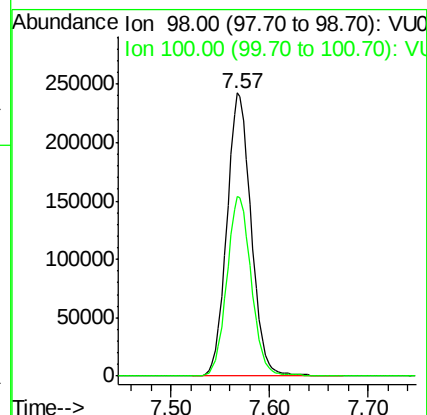
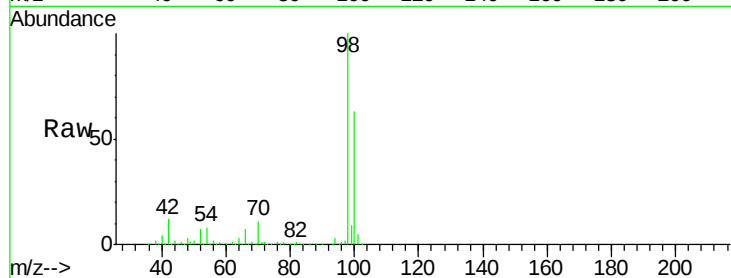




#50
Toluene-d8
Concen: 47.824 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025256.D
Acq: 06 Jul 2018 21:43

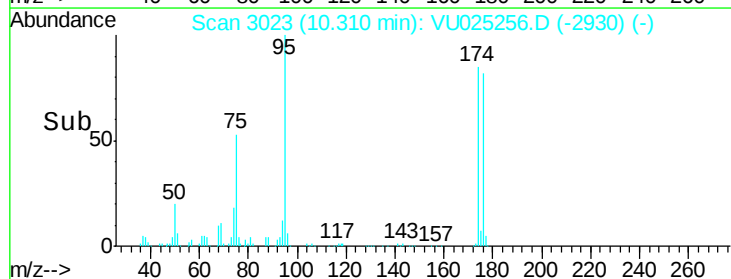
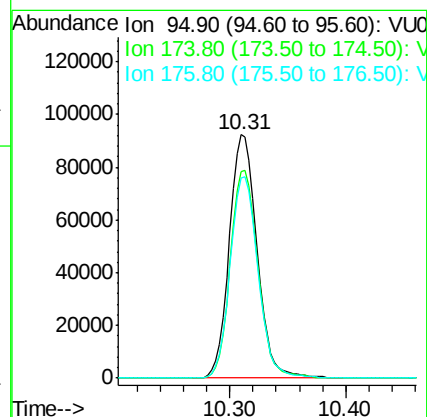
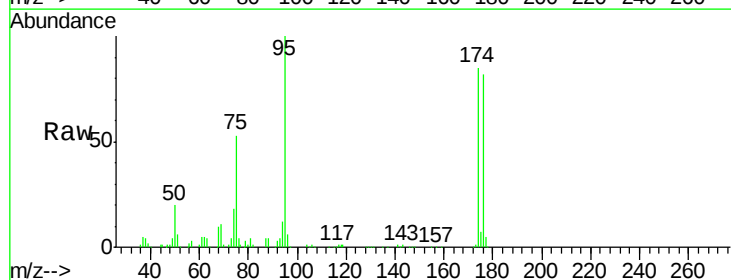
Instrument :
MSVOA_U
ClientSampleId :
S10-TB-2018-3

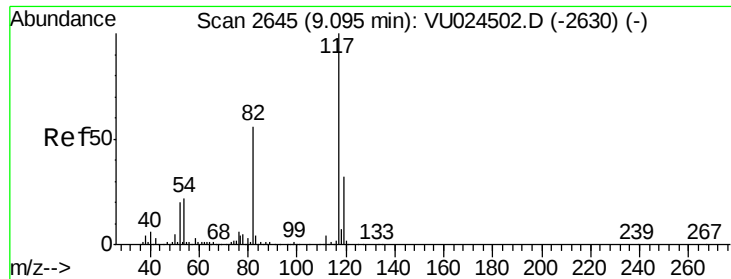
Tot Ion: 98 Resp: 420071
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 43.934 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025256.D
Acq: 06 Jul 2018 21:43

Tgt Ion: 95 Resp: 153219
Ion Ratio Lower Upper
95 100
174 85.2 0.0 165.8
176 83.1 0.0 159.4

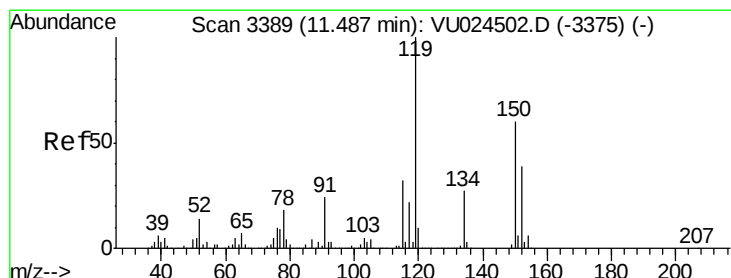
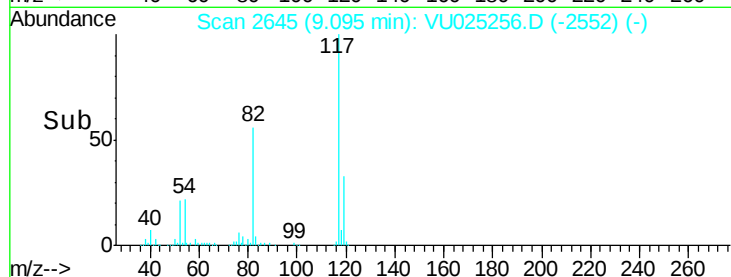
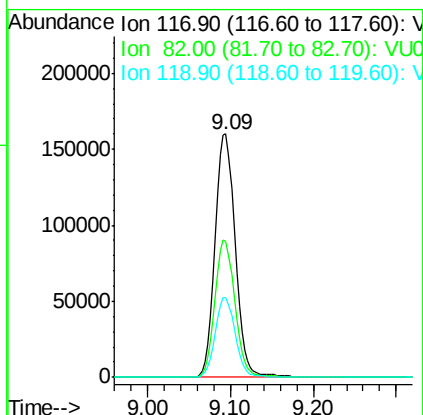
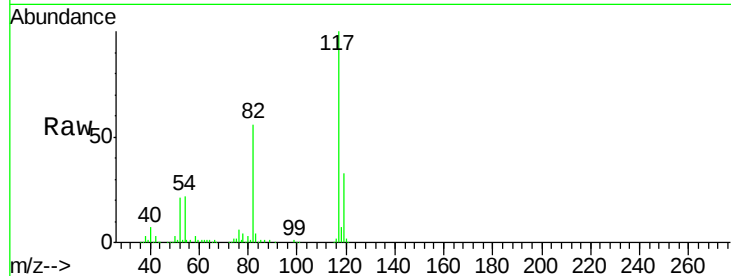




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025256.D
Acq: 06 Jul 2018 21:43

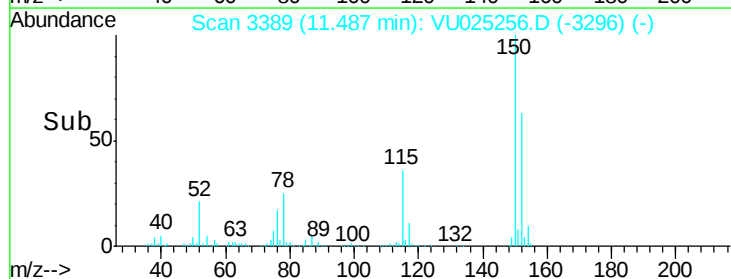
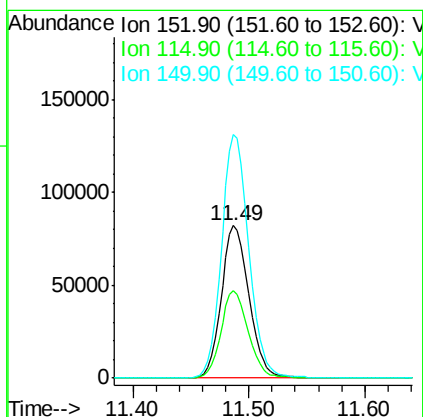
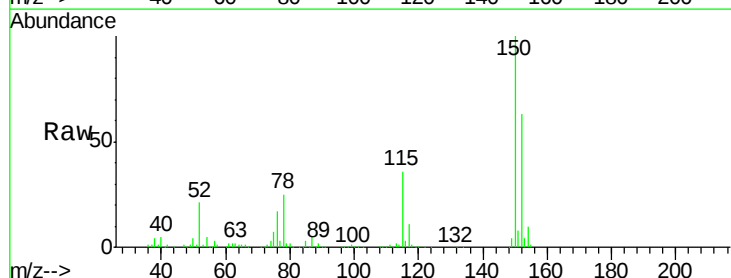
Instrument :
MSVOA_U
ClientSampleId :
S10-TB-2018-3

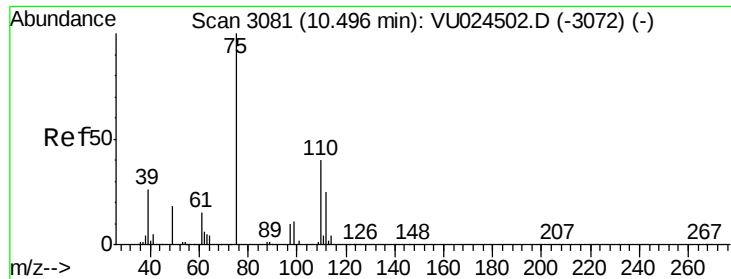
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.3	66.5
119	32.8	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025256.D
Acq: 06 Jul 2018 21:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	43.0	129.0
150	157.4	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 26.768 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

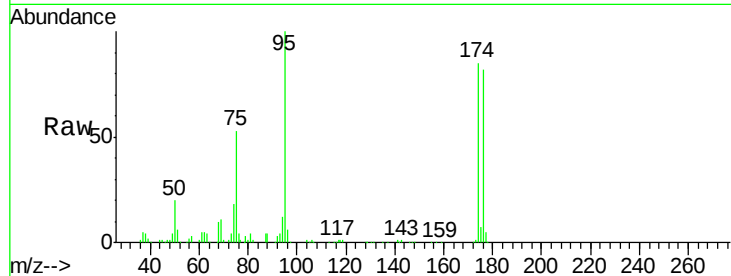
S10-TB-2018-3

Tot Ion: 75 Resp: 80358

Ion Ratio Lower Upper

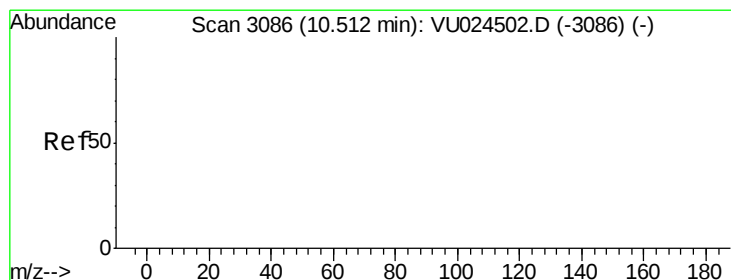
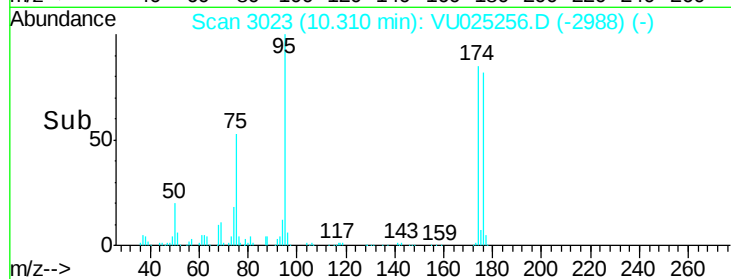
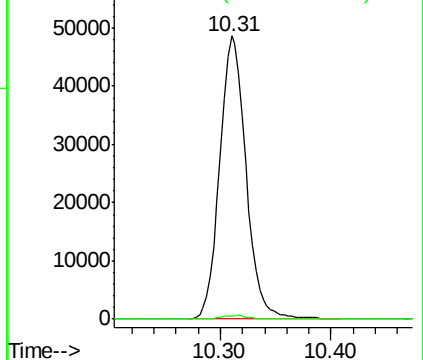
75 100

77 1.3 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: 61.953 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025256.D

Acq: 06 Jul 2018 21:43

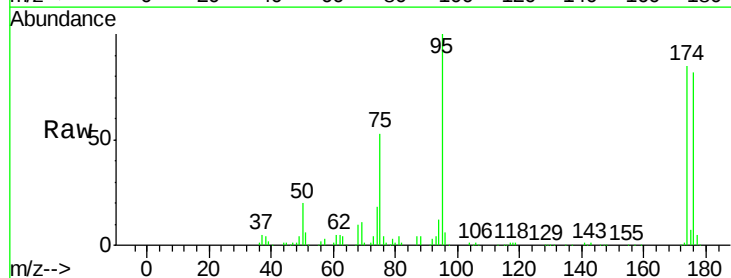
Tgt Ion: 75 Resp: 80358

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

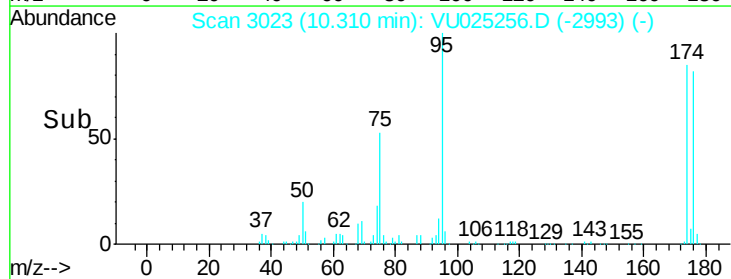
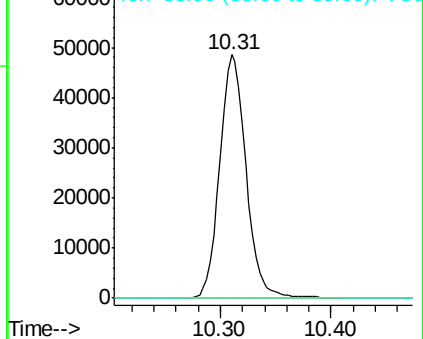
89 0.0 0.0 0.0

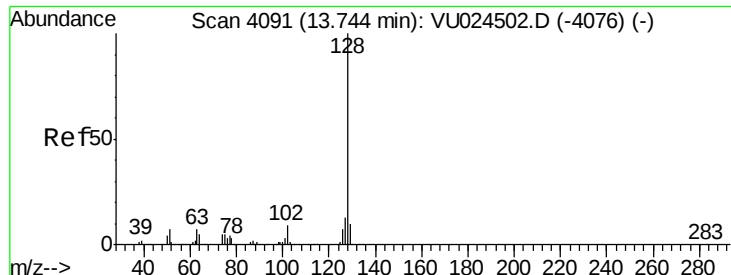


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 0.748 ug/l

RT: 13.76 min Scan# 4097

Delta R.T. 0.02 min

Lab File: VU025256.D

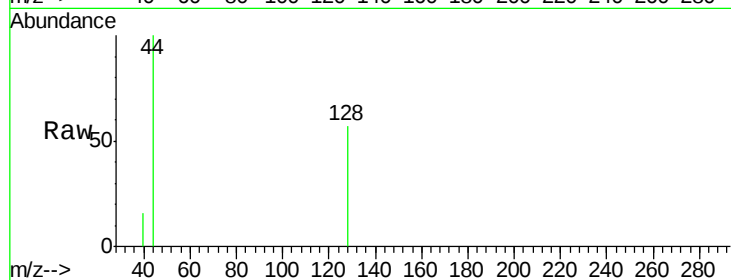
Acq: 06 Jul 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

S10-TB-2018-3



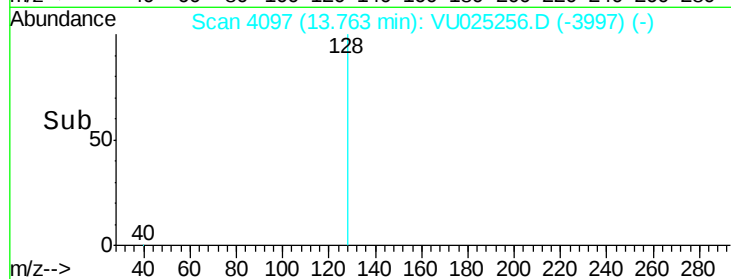
Tot Ion:128 Resp: 697

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

Time-->

13.75 13.80

13.76

400

300

200

100

0