

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024807.D
 Acq On : 21 Jun 2018 13:39
 Operator : MD/SY
 Sample : J3539-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S39-TB-2018-2

Quant Time: Jun 21 15:23:47 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	200679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	306650	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	152396	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	141471	43.18	ug/l	0.00
Spiked Amount			Recovery	=	86.36%	
35) Dibromofluoromethane	4.89	113	118046	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	
50) Toluene-d8	7.57	98	443674	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	10.31	95	161242	43.75	ug/l	0.00
Spiked Amount			Recovery	=	87.50%	

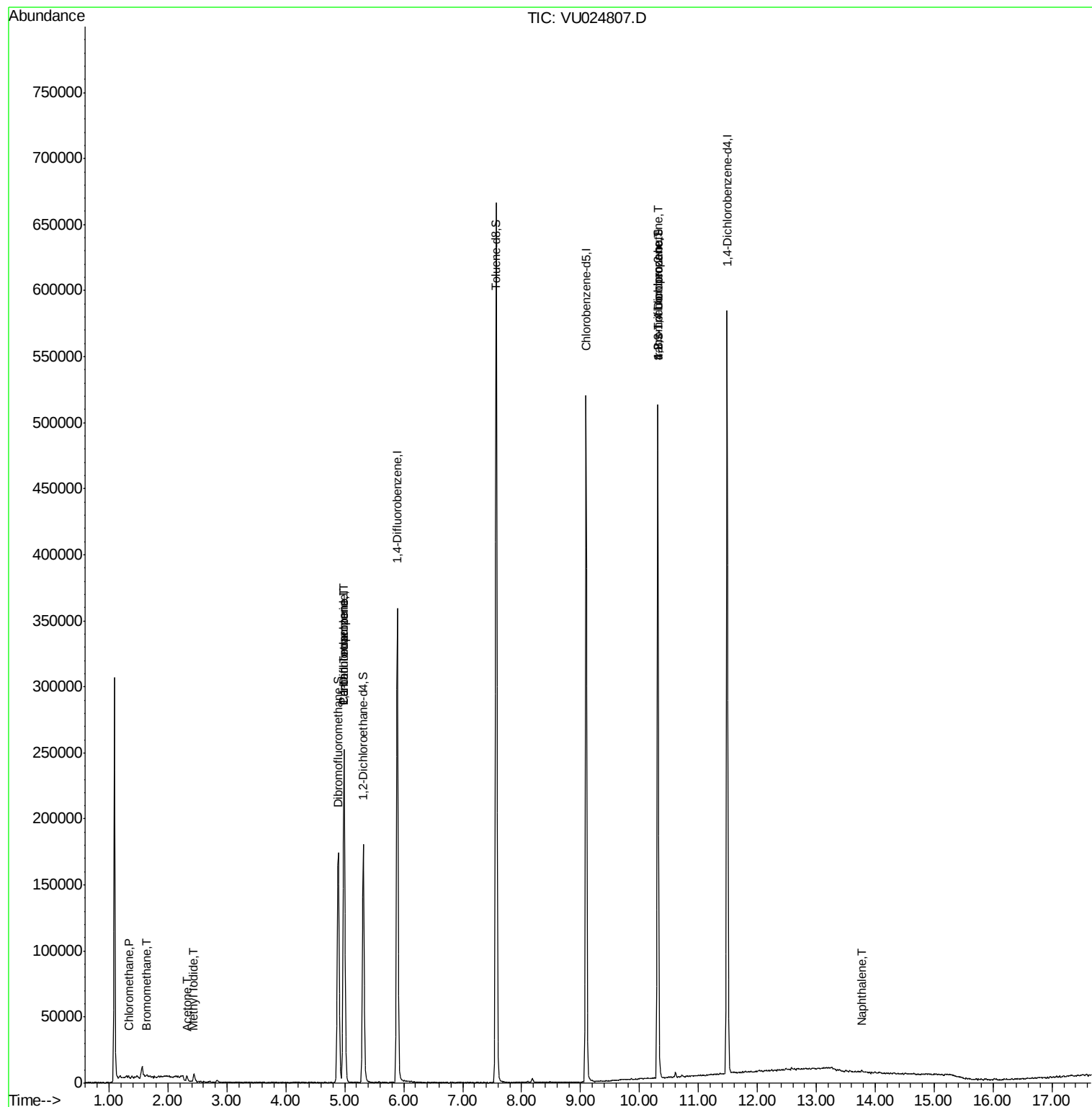
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	838	0.33	ug/l #	80
5) Bromomethane	1.63	94	478	0.37	ug/l	97
6) Chloroethane	1.70	64	19	Below Cal	#	43
10) Methyl Iodide	2.42	142	374	5.45	ug/l #	40
16) Acetone	2.32	43	3728	2.12	ug/l #	80
31) Cyclohexane	4.99	56	3850	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13971	3.88	ug/l #	50
38) Carbon Tetrachloride	4.99	117	18083	4.56	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	83440	24.87	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	83440	57.56	ug/l #	100
95) Naphthalene	13.76	128	896	0.76	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024807.D

Acq: 21 Jun 2018 13:39

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MSVOA_U

ClientSampleId :

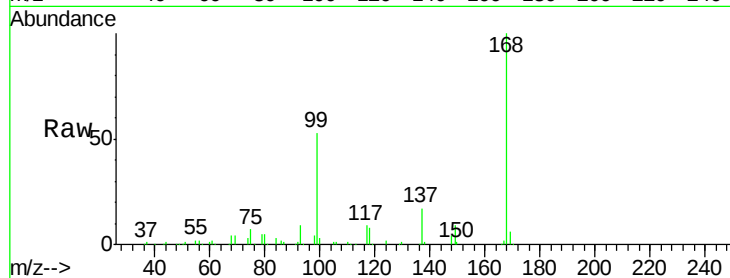
S39-TB-2018-2

Tot Ion:168 Resp: 200679

Ion Ratio Lower Upper

168 100

99 52.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024807.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024807.D (-1275) (-)

4.99

80000

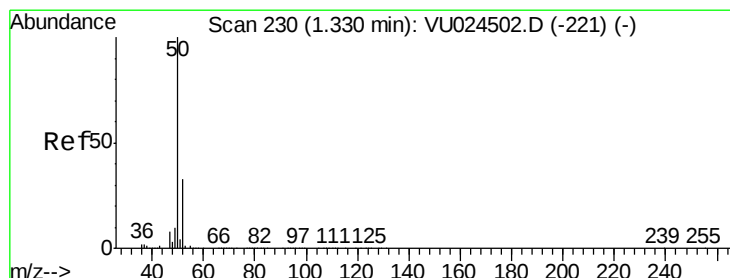
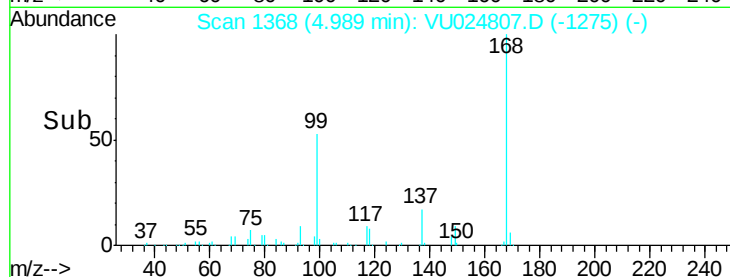
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.33 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024807.D

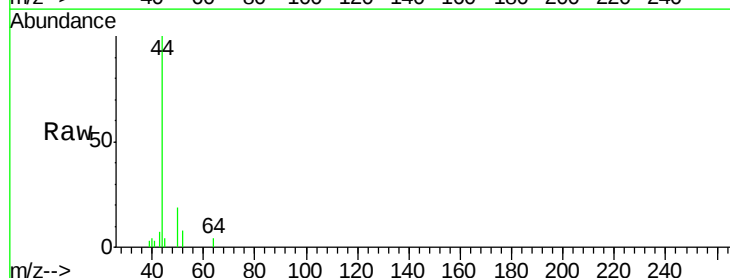
Acq: 21 Jun 2018 13:39

Tgt Ion: 50 Resp: 838

Ion Ratio Lower Upper

50 100

52 44.1 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024807.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024807.D (-137) (-)

1.33

800

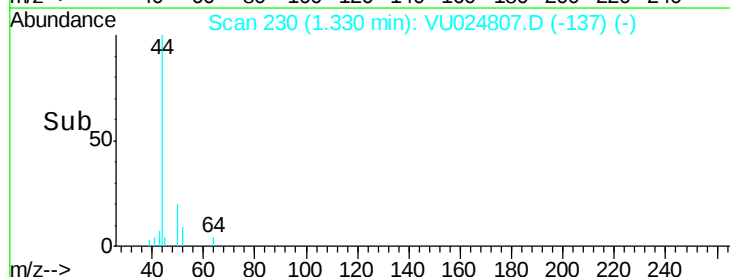
600

400

200

0

Time-->





#5

Bromomethane

Concen: 0.37 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU024807.D

Acq: 21 Jun 2018 13:39

Instrument :

MSVOA_U

ClientSampleId :

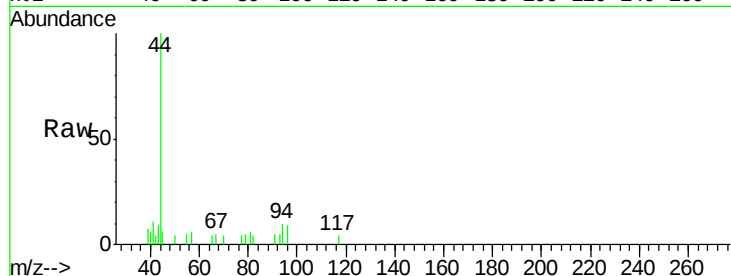
S39-TB-2018-2

Tot Ion: 94 Resp: 478

Ion Ratio Lower Upper

94 100

96 96.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

250

200

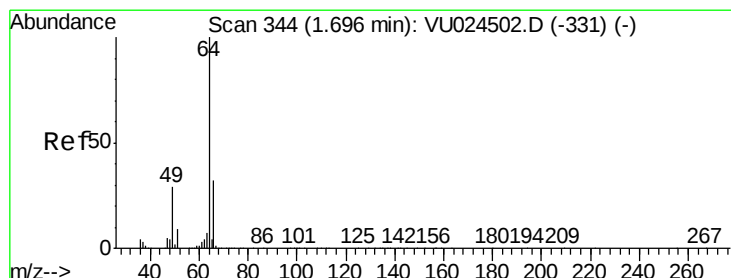
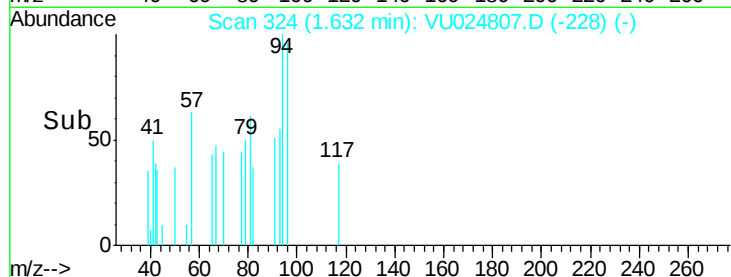
150

100

50

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024807.D

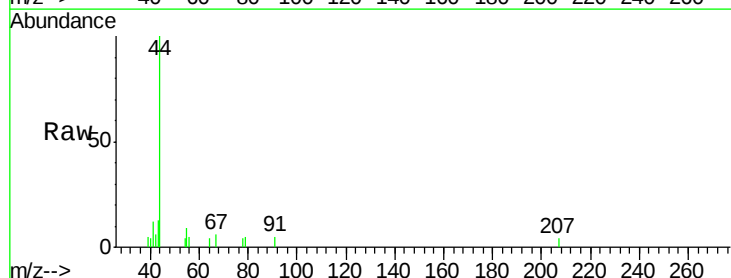
Acq: 21 Jun 2018 13:39

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

1.70

120

100

80

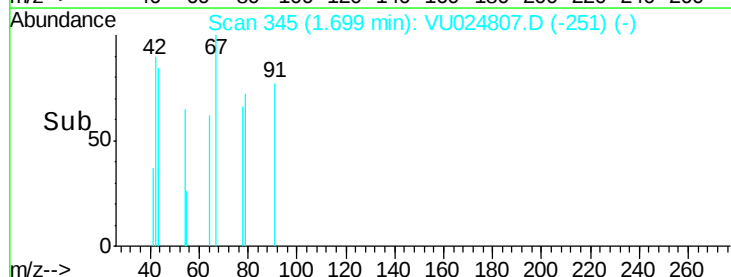
60

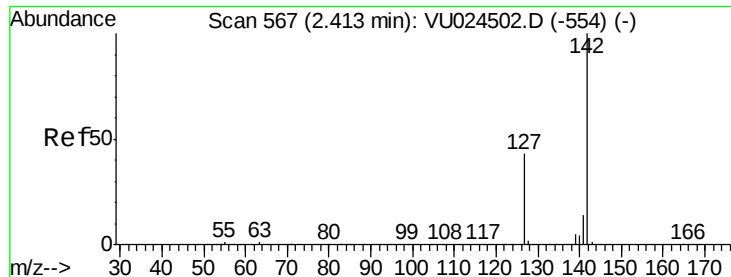
40

20

0

Time-->

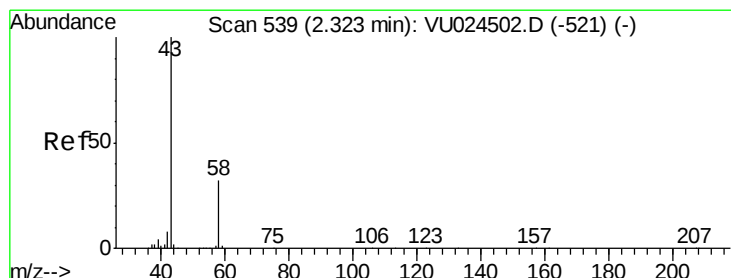
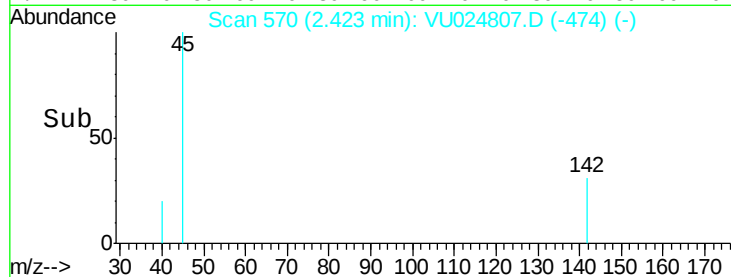
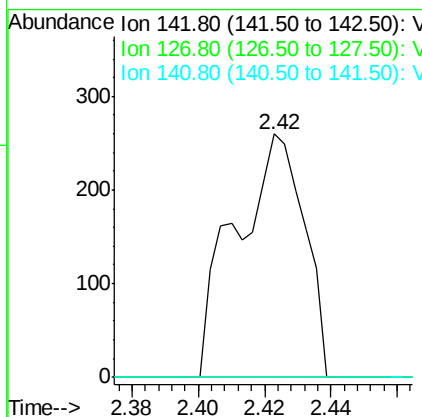
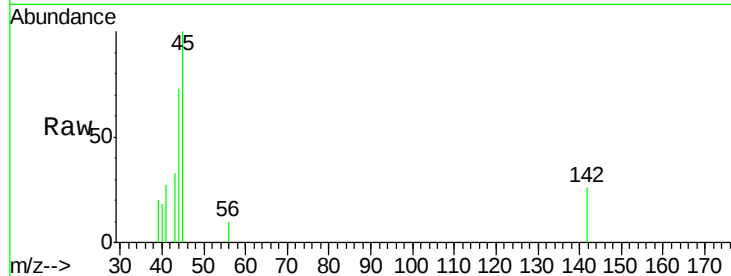




#10
Methvl Iodide
Concen: 5.45 ug/l
RT: 2.42 min Scan# 570
Delta R.T. 0.01 min
Lab File: VU024807.D
Acq: 21 Jun 2018 13:39

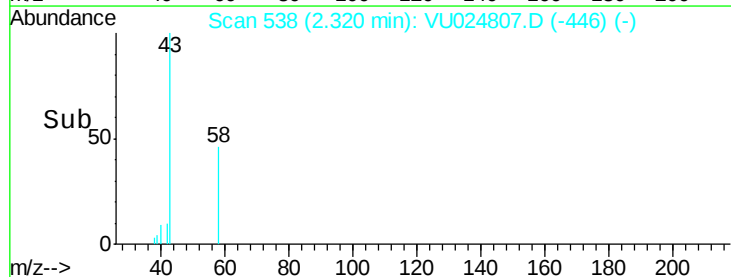
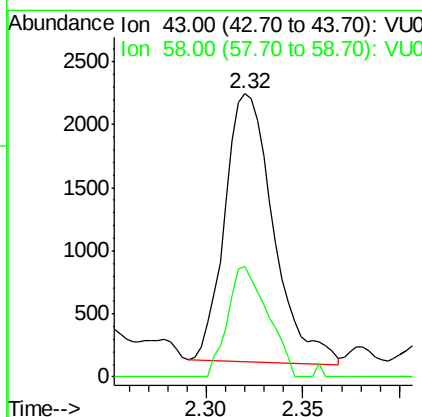
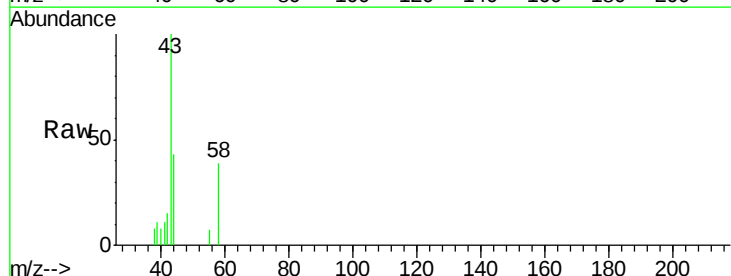
Instrument :
MSVOA_U
ClientSampleId :
S39-TB-2018-2

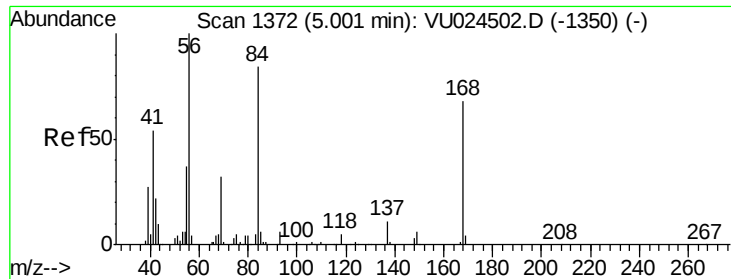
Tot Ion:142 Resp: 374
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#16
Acetone
Concen: 2.12 ug/l
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU024807.D
Acq: 21 Jun 2018 13:39

Tgt Ion: 43 Resp: 3728
Ion Ratio Lower Upper
43 100
58 41.6 24.4 36.6#

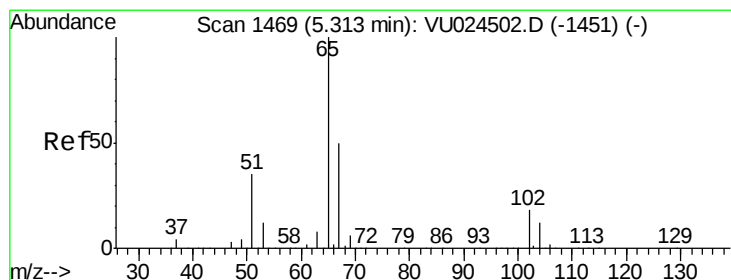
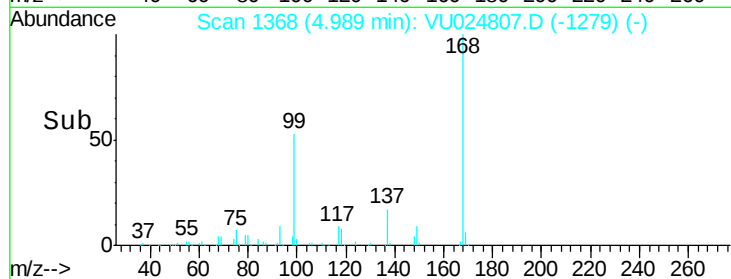
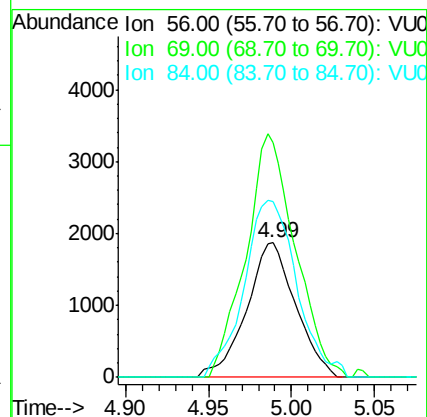
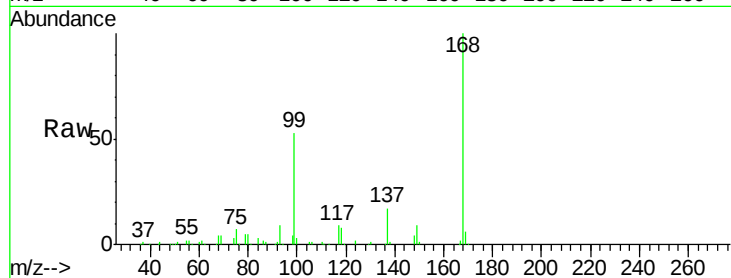




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024807.D
Acq: 21 Jun 2018 13:39

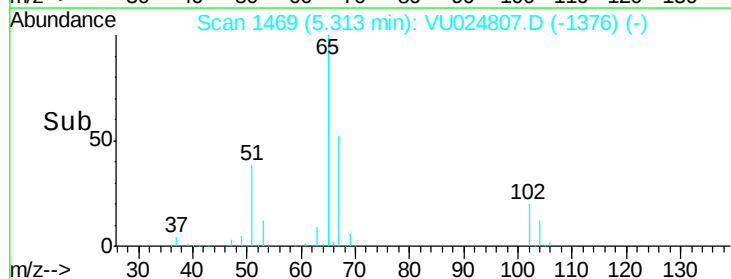
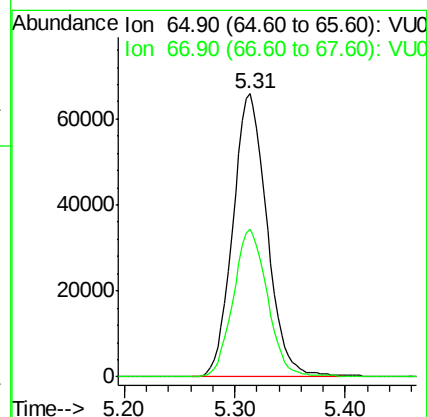
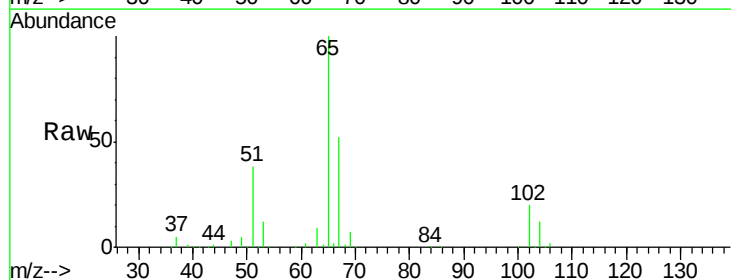
Instrument :
MSVOA_U
ClientSampleId :
S39-TB-2018-2

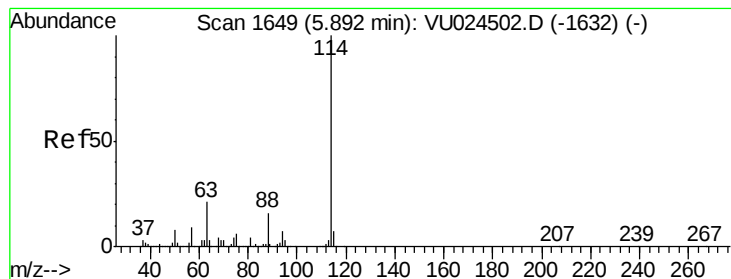
Tot Ion: 56 Resp: 3850
Ion Ratio Lower Upper
56 100
69 174.1 24.8 37.2#
84 130.3 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 43.18 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024807.D
Acq: 21 Jun 2018 13:39

Tgt Ion: 65 Resp: 141471
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024807.D

Acq: 21 Jun 2018 13:39

Instrument :

MSVOA_U

ClientSampleId :

S39-TB-2018-2

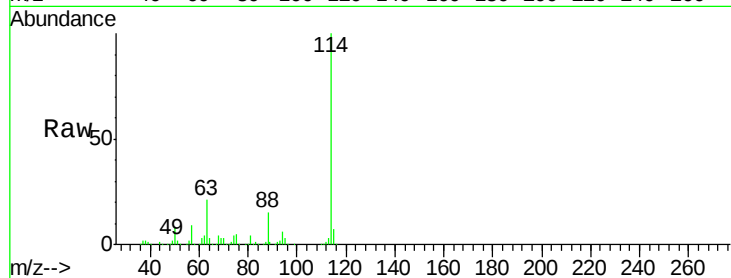
Tot Ion:114 Resp: 306650

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.4

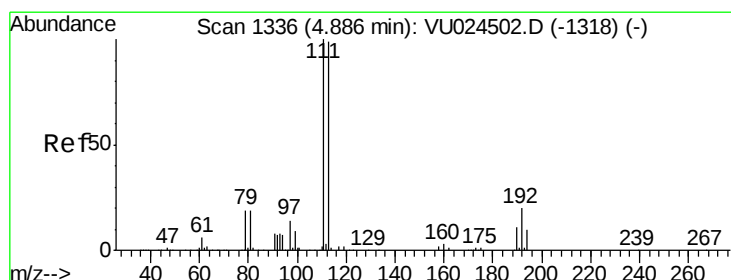
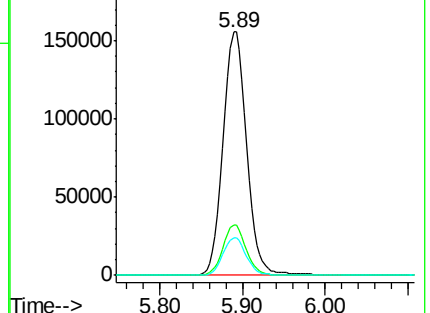
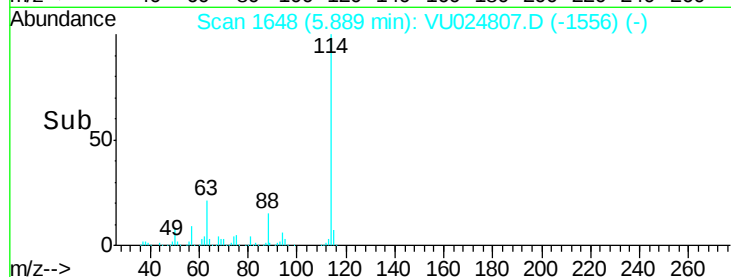
88 15.2 0.0 31.0



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: 46.38 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024807.D

Acq: 21 Jun 2018 13:39

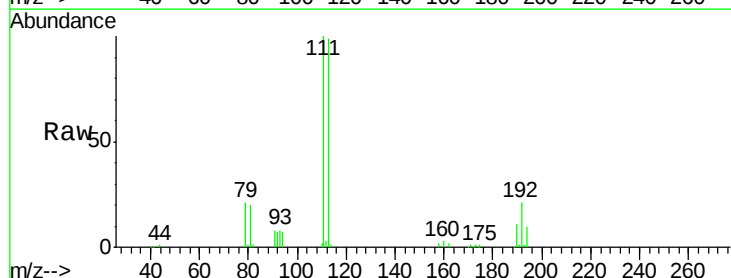
Tgt Ion:113 Resp: 118046

Ion Ratio Lower Upper

113 100

111 99.9 82.2 123.4

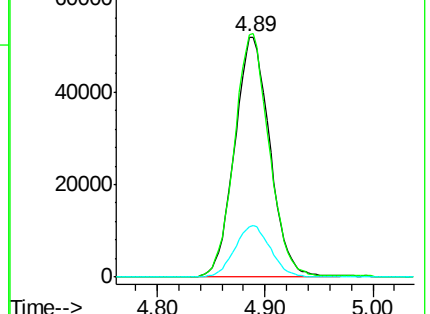
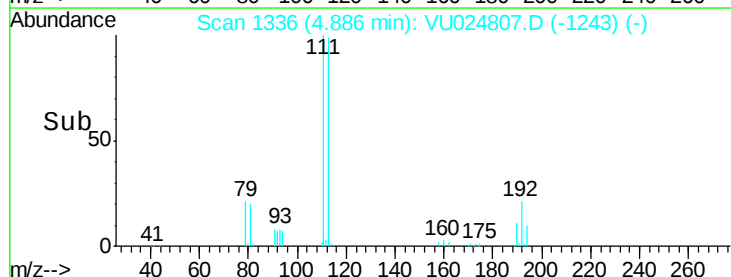
192 21.8 16.2 24.4

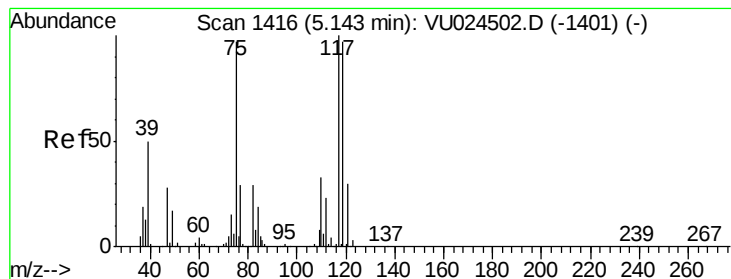


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.88 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024807.D

Acq: 21 Jun 2018 13:39

Instrument :

MSVOA_U

ClientSampleId :

S39-TB-2018-2

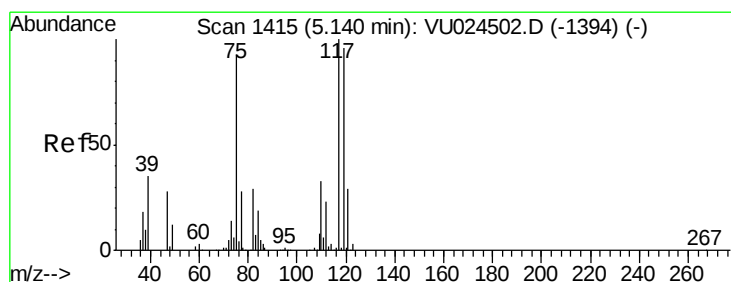
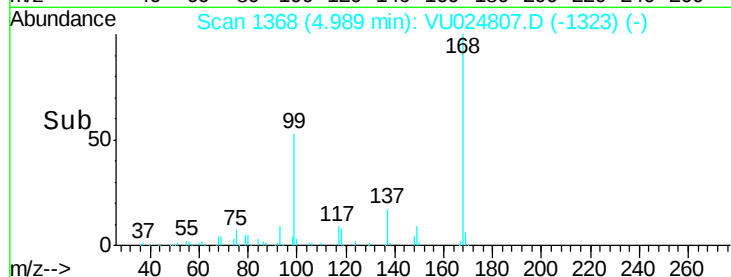
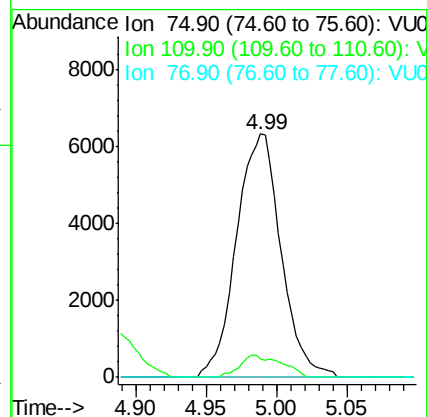
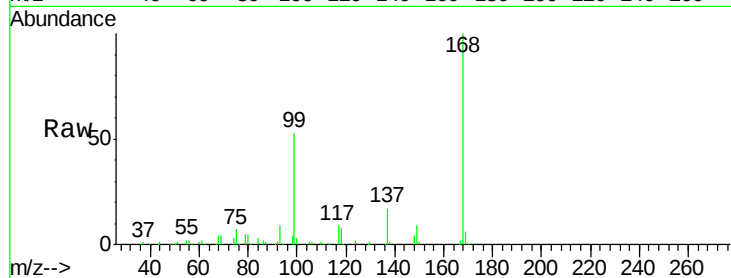
Tot Ion: 75 Resp: 13971

Ion Ratio Lower Upper

75 100

110 8.5 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.56 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024807.D

Acq: 21 Jun 2018 13:39

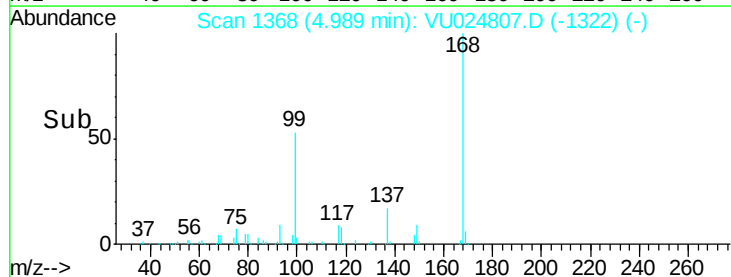
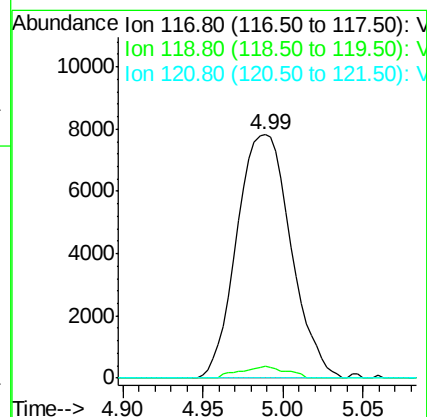
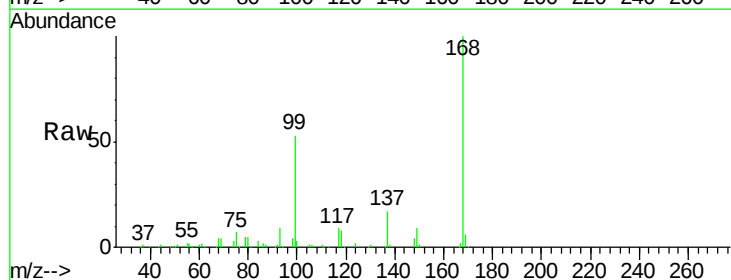
Tgt Ion: 117 Resp: 18083

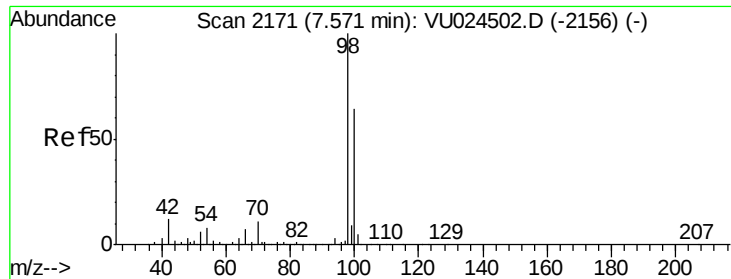
Ion Ratio Lower Upper

117 100

119 4.7 76.1 114.1#

121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 47.79 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024807.D

Acq: 21 Jun 2018 13:39

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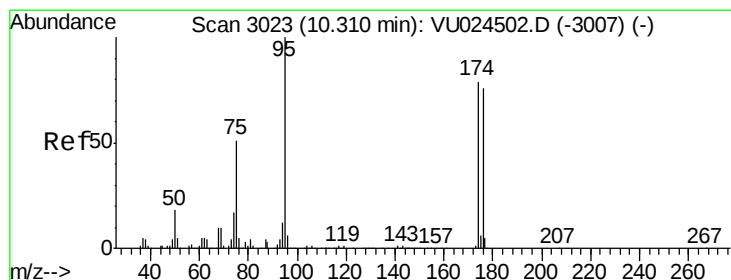
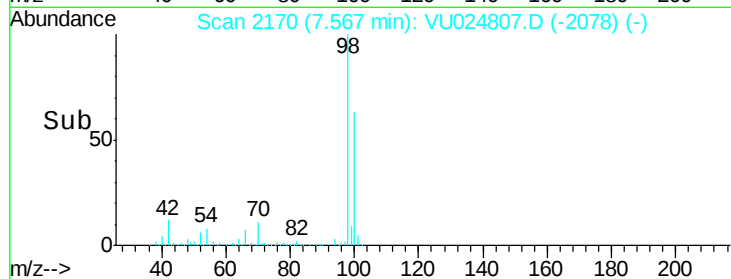
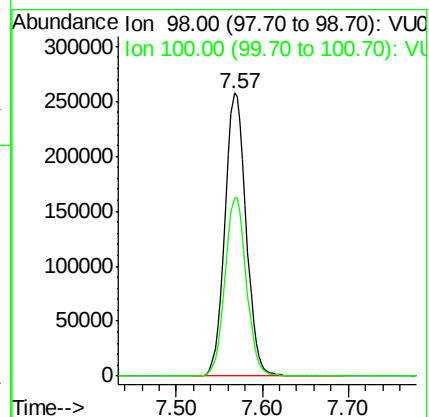
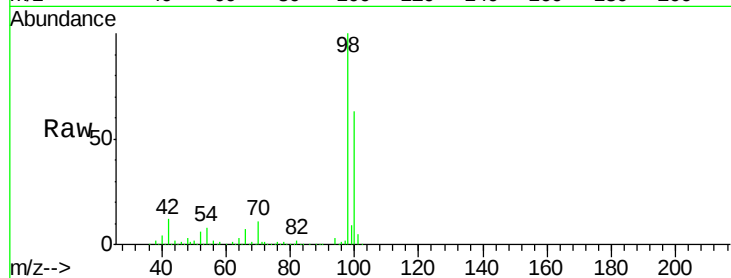
S39-TB-2018-2

Tot Ion: 98 Resp: 443674

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 43.75 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024807.D

Acq: 21 Jun 2018 13:39

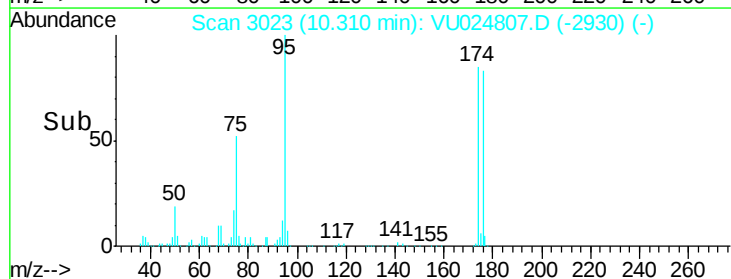
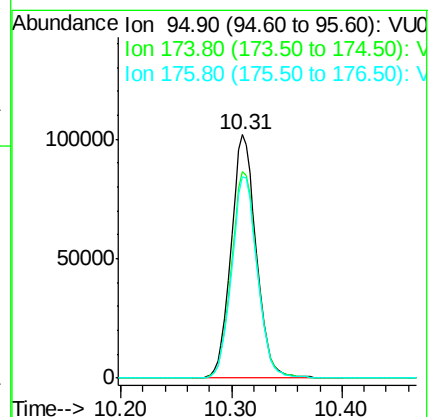
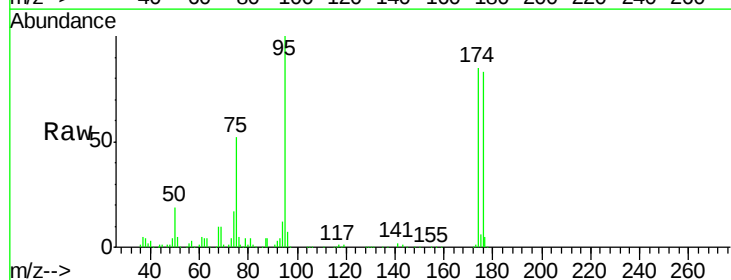
Tgt Ion: 95 Resp: 161242

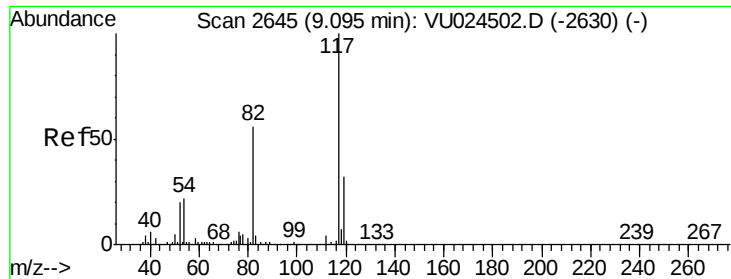
Ion Ratio Lower Upper

95 100

174 87.0 0.0 165.8

176 84.2 0.0 159.4

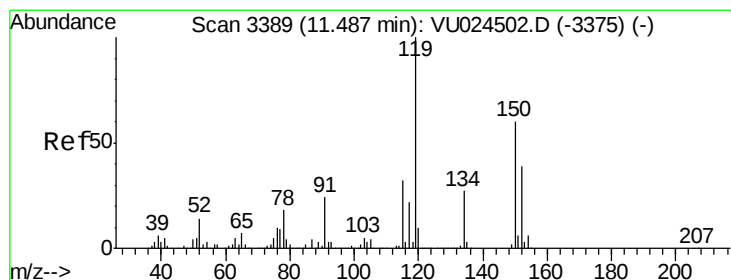
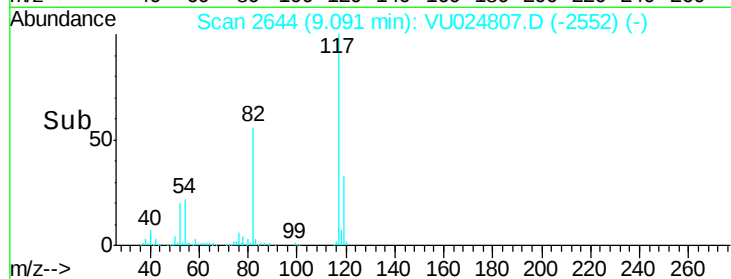
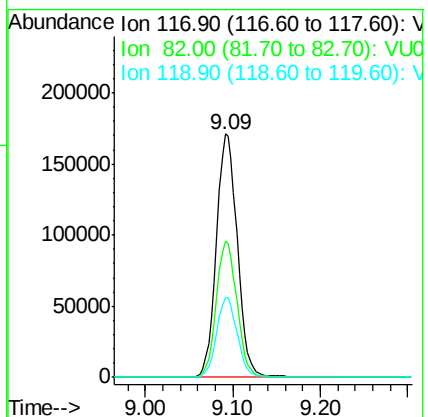
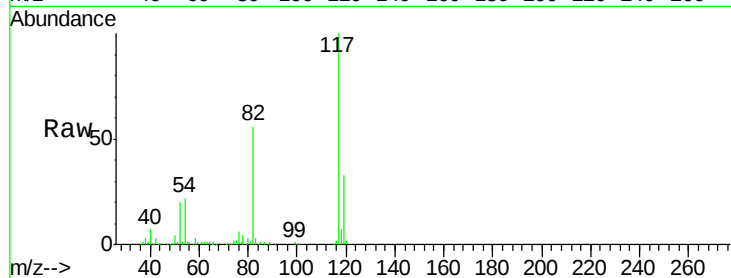




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024807.D
Acq: 21 Jun 2018 13:39

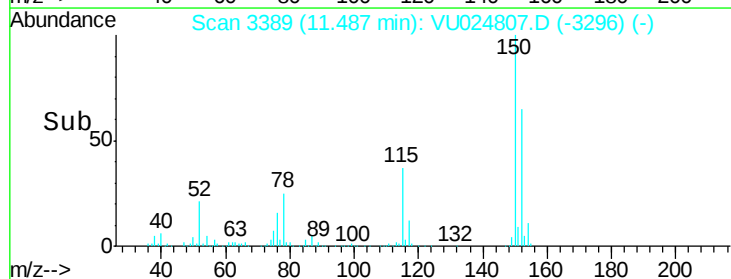
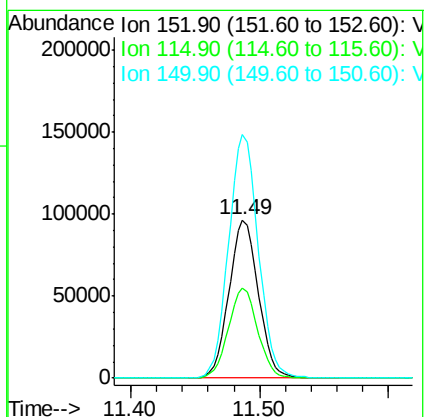
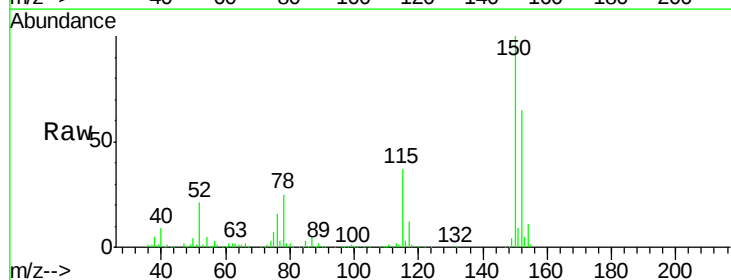
Instrument :
MSVOA_U
ClientSampleId :
S39-TB-2018-2

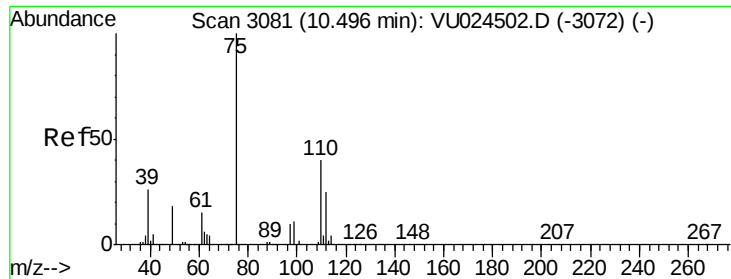
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.3	66.5
119	32.6	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024807.D
Acq: 21 Jun 2018 13:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	43.0	129.0
150	155.5	0.0	354.0

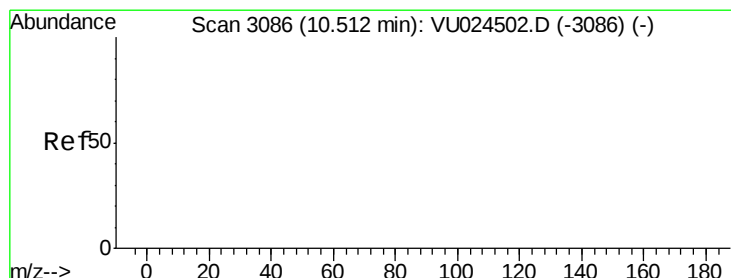
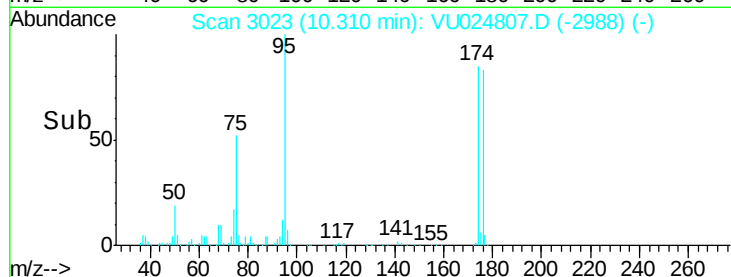
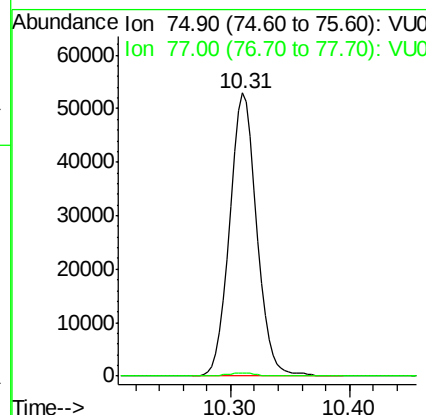
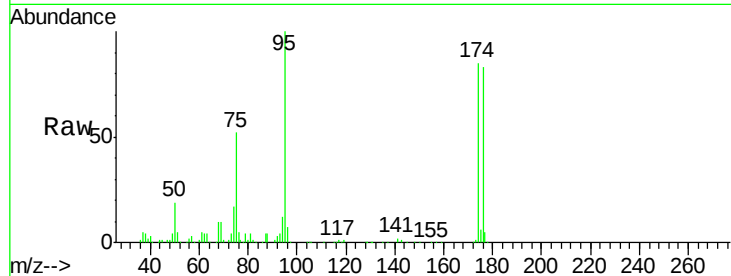




#76
 1,2,3-Trichloropropane
 Concen: 24.87 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024807.D
 Acq: 21 Jun 2018 13:39

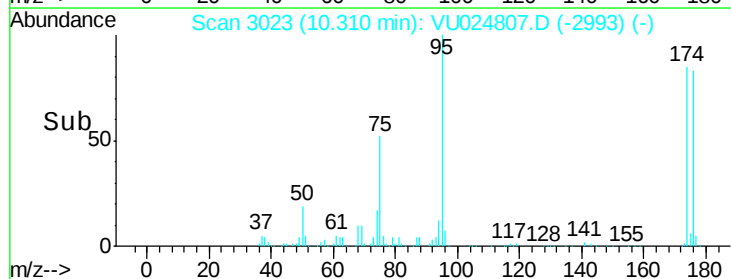
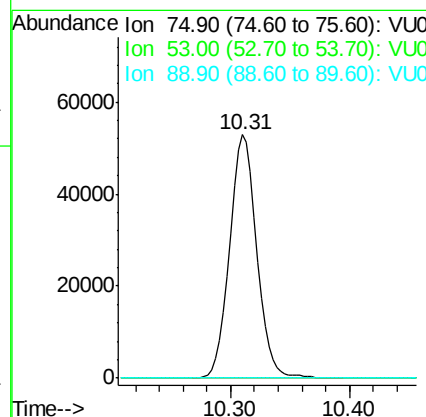
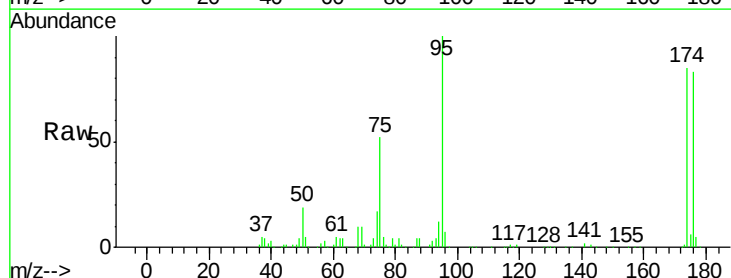
Instrument :
 MSVOA_U
 ClientSampleId :
 S39-TB-2018-2

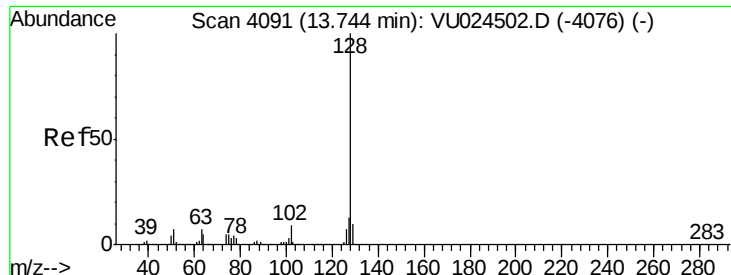
Tot Ion: 75 Resp: 83440
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.56 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024807.D
 Acq: 21 Jun 2018 13:39

Tgt Ion: 75 Resp: 83440
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.1 0.0 0.0#





#95
Naphthalene
Concen: 0.76 ug/l
RT: 13.76 min Scan# 4096
Delta R.T. 0.02 min
Lab File: VU024807.D
Acq: 21 Jun 2018 13:39

Instrument :
MSVOA_U
ClientSampleId :
S39-TB-2018-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

