

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091418\
 Data File : VX004559.D
 Acq On : 15 Sep 2018 03:10
 Operator : JC/MD
 Sample : J4925-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-TB-2018-1

Quant Time: Sep 15 06:06:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185063	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	171142	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
35) Dibromofluoromethane	5.50	113	155451	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
50) Toluene-d8	8.72	98	517166	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	11.14	95	173929	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	

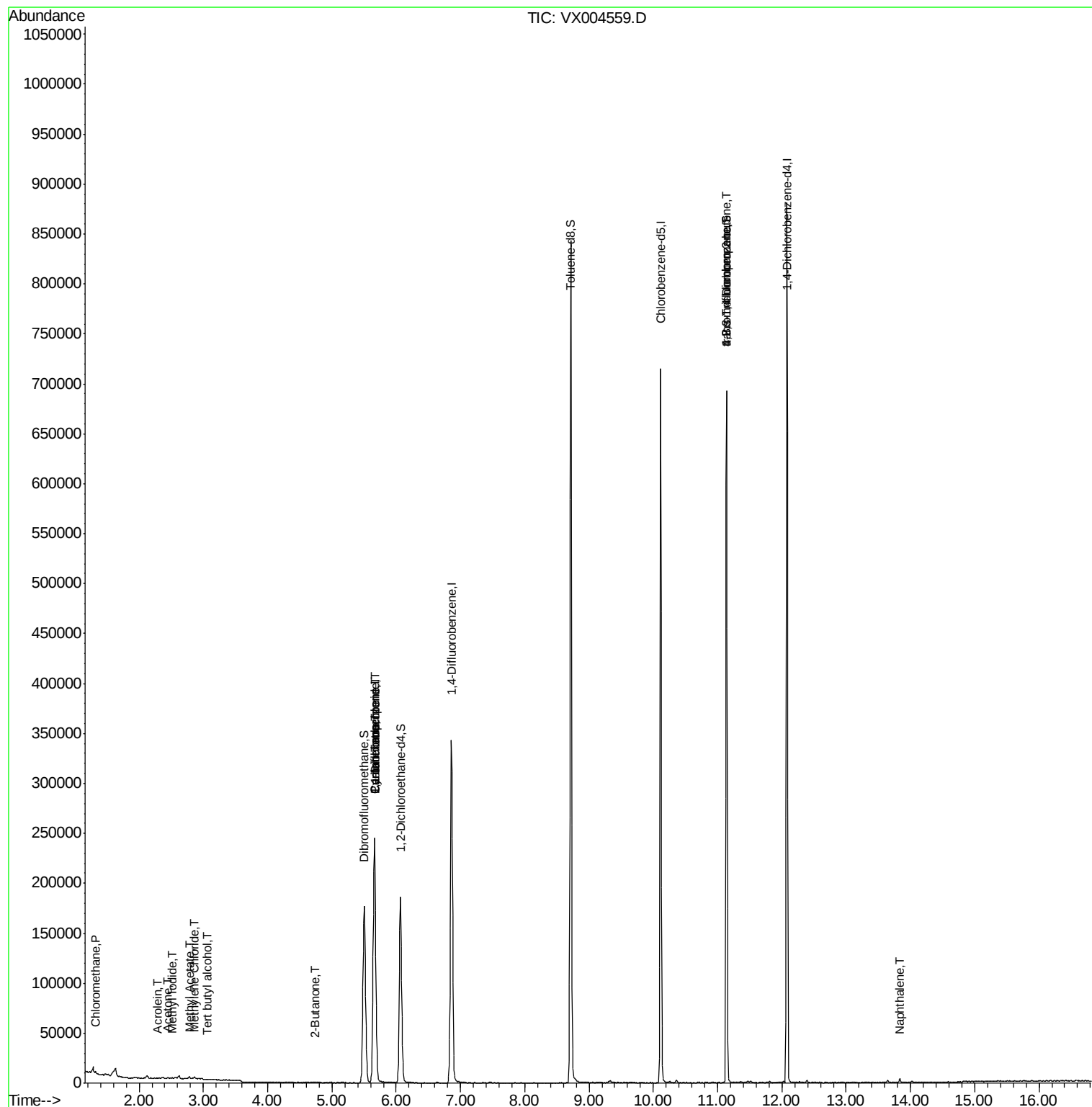
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	672	0.21	ug/l #	78
5) Bromomethane	1.64	94	821	Below Cal	#	62
10) Methyl Iodide	2.51	142	1055	4.55	ug/l #	91
11) Tert butyl alcohol	3.06	59	220	0.29	ug/l #	72
13) Acrolein	2.29	56	124	0.41	ug/l	87
16) Acetone	2.45	43	1278	0.81	ug/l #	87
18) Methyl Acetate	2.78	43	2032	0.46	ug/l	94
20) Methylene Chloride	2.86	84	947	0.29	ug/l #	89
25) 2-Butanone	4.73	43	514	0.21	ug/l #	47
31) Cyclohexane	5.66	56	4287	0.92	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16524	3.85	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22118	5.28	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	81728	21.95	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	81728	69.97	ug/l #	10
95) Naphthalene	13.83	128	2622	0.21	ug/l #	96

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004559.D

Acq: 15 Sep 2018 03:10

Instrument :

MSVOA_X

ClientSampleId :

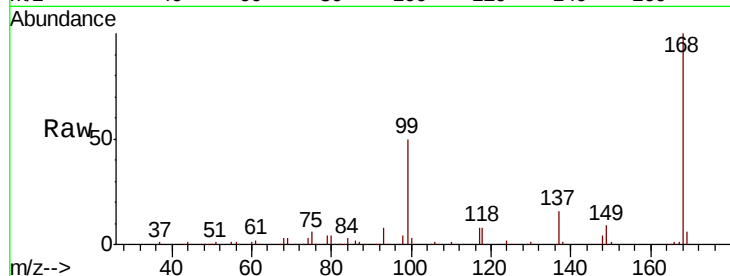
S13-TB-2018-1

Tot Ion:168 Resp: 249715

Ion Ratio Lower Upper

168 100

99 49.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

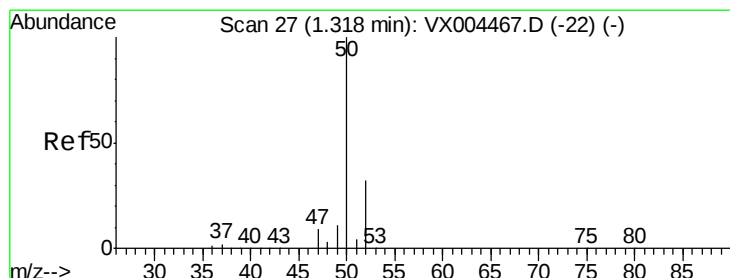
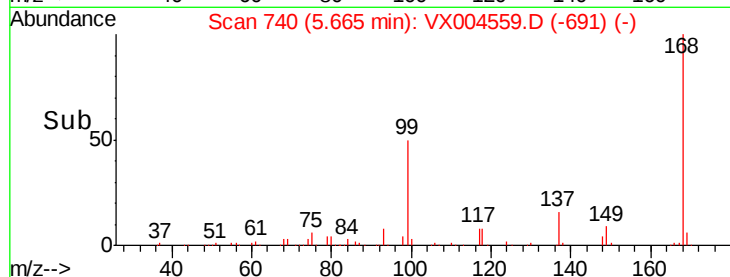
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004559.D

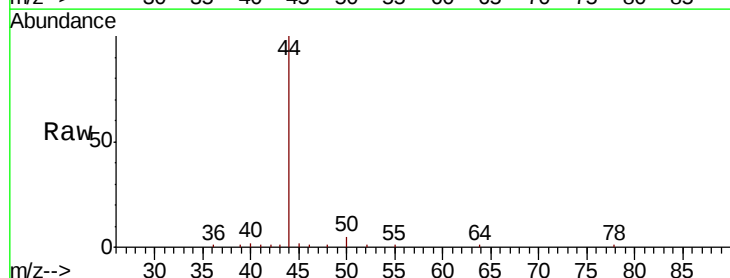
Acq: 15 Sep 2018 03:10

Tgt Ion: 50 Resp: 672

Ion Ratio Lower Upper

50 100

52 20.5 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

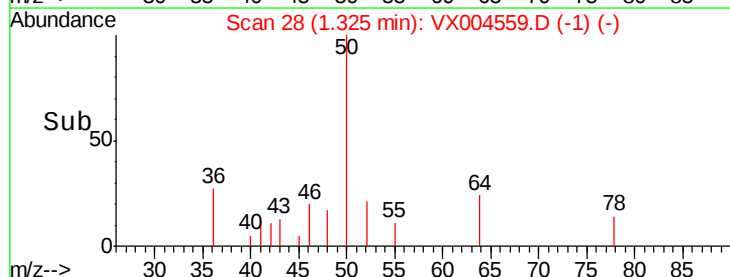
300

200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004559.D

Acq: 15 Sep 2018 03:10

Instrument :

MSVOA_X

ClientSampleId :

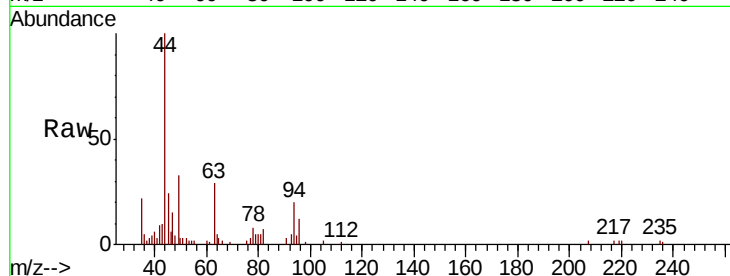
S13-TB-2018-1

Tot Ion: 94 Resp: 821

Ion Ratio Lower Upper

94 100

96 57.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

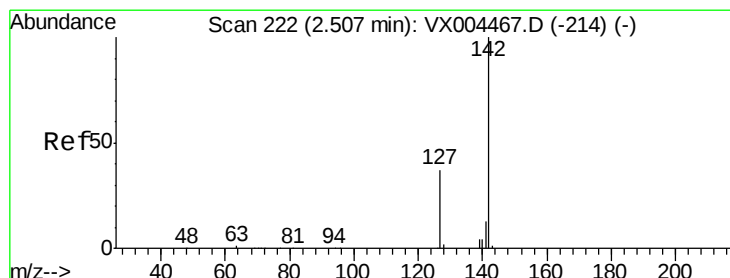
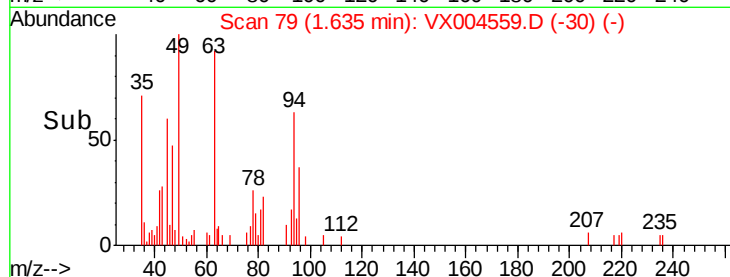
600

400

200

0

Time--> 1.60 1.62 1.64 1.66 1.68



#10

Methyl Iodide

Concen: 4.55 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004559.D

Acq: 15 Sep 2018 03:10

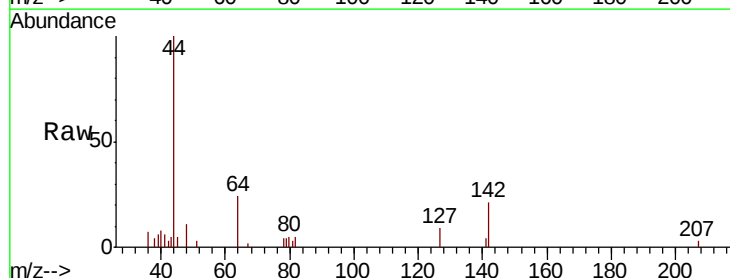
Tgt Ion: 142 Resp: 1055

Ion Ratio Lower Upper

142 100

127 46.5 33.8 50.6

141 8.4 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

600

500

400

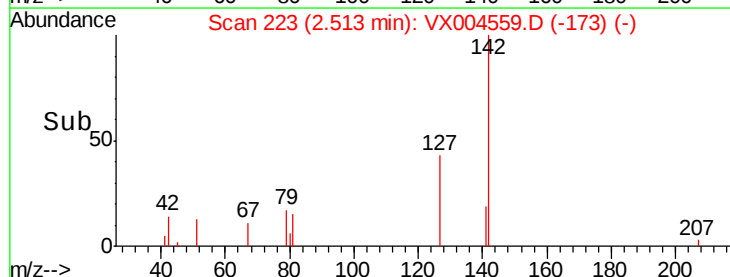
300

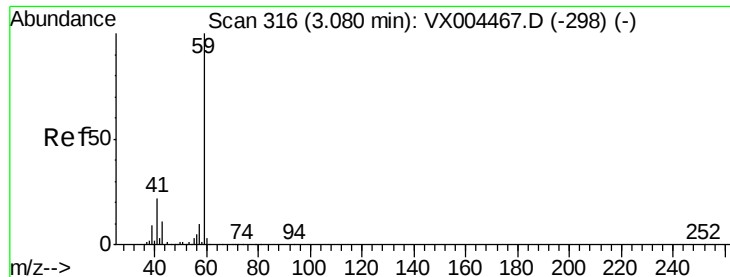
200

100

0

Time--> 2.45 2.50 2.55



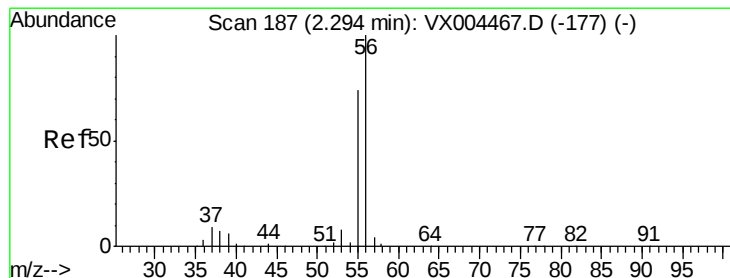
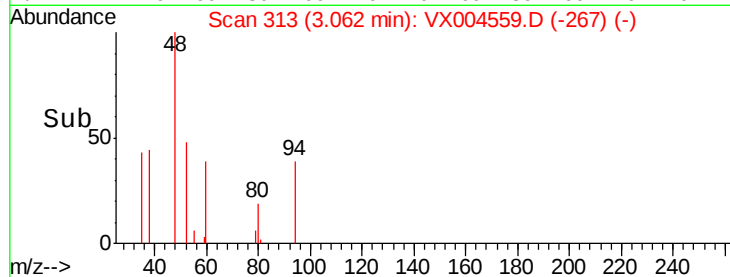
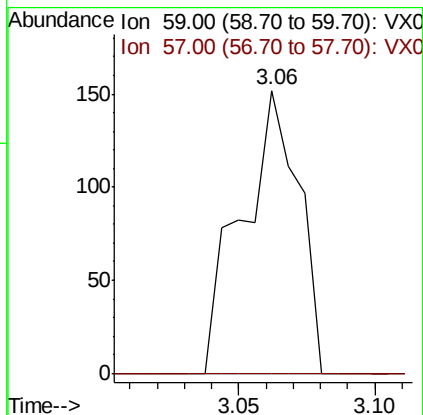
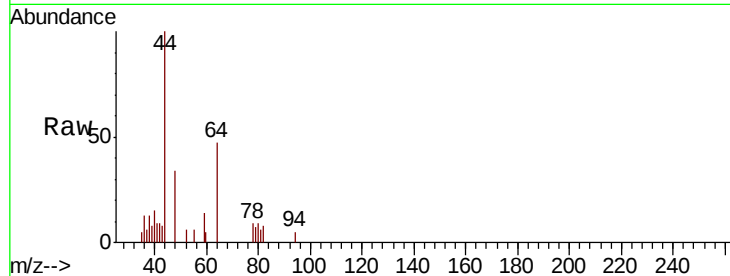


#11

Tert butyl alcohol
Concen: 0.29 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004559.D
Acq: 15 Sep 2018 03:10

Instrument :
MSVOA_X
ClientSampleId :
S13-TB-2018-1

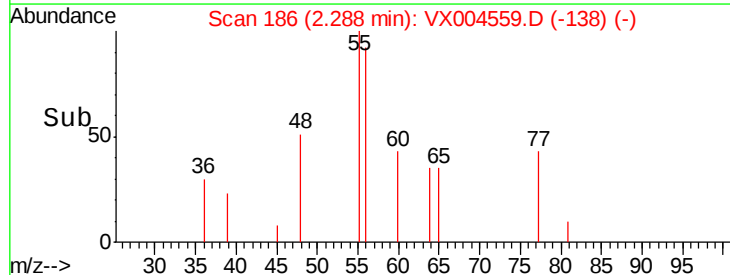
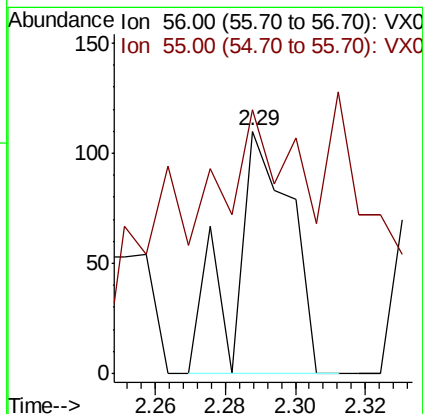
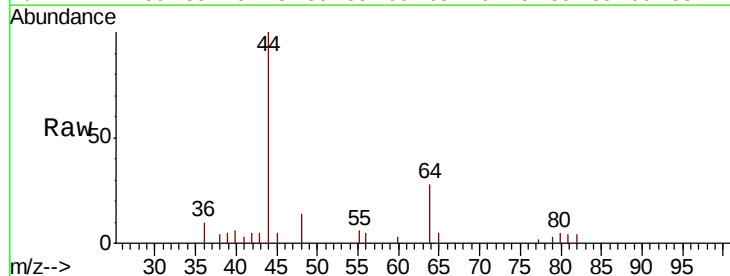
Tot Ion: 59 Resp: 220
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

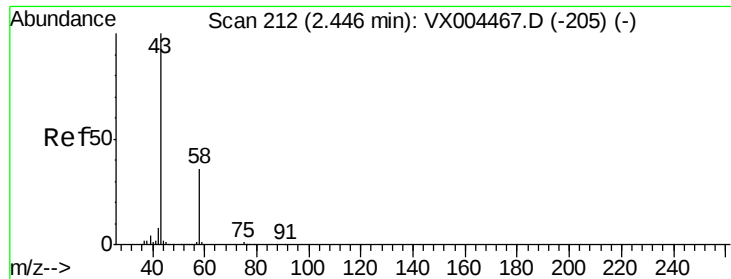


#13

Acrolein
Concen: 0.41 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX004559.D
Acq: 15 Sep 2018 03:10

Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 58.1 54.7 82.1

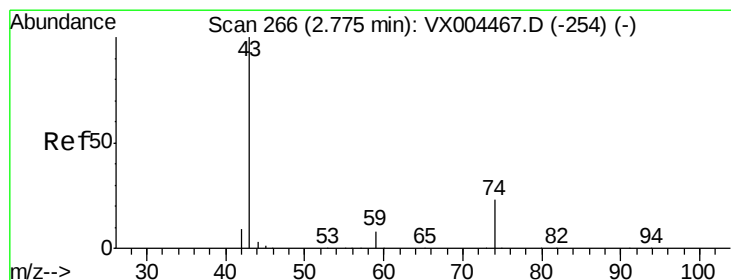
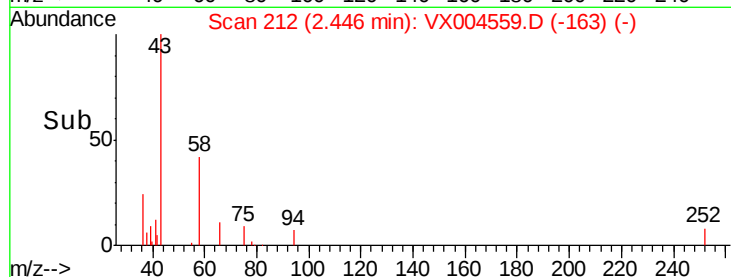
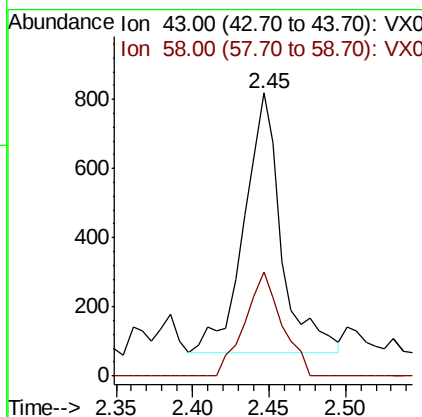
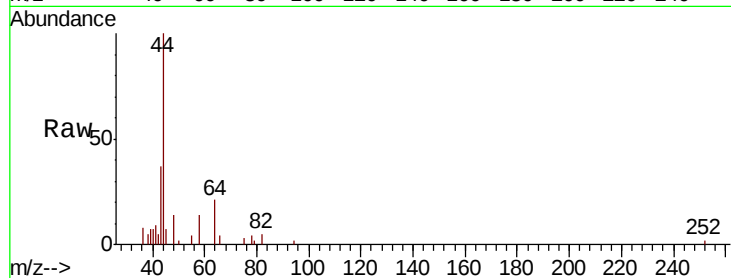




#16
Acetone
Concen: 0.81 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX004559.D
Acq: 15 Sep 2018 03:10

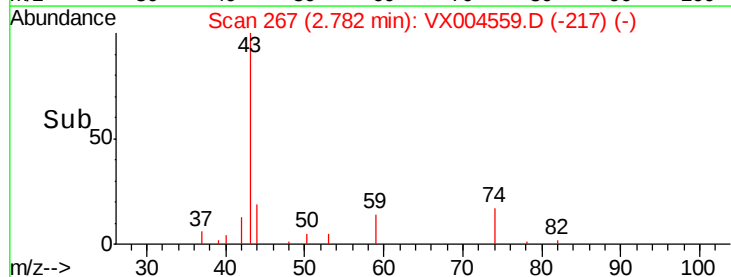
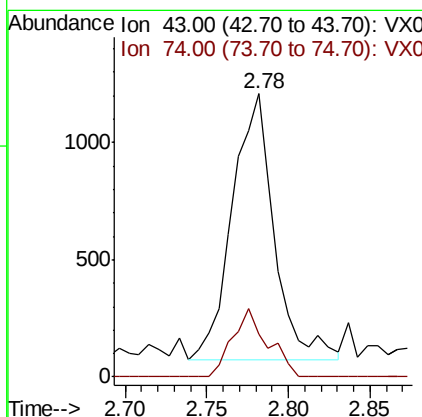
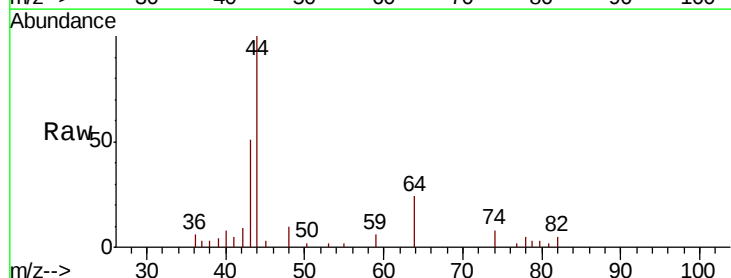
Instrument :
MSVOA_X
ClientSampleId :
S13-TB-2018-1

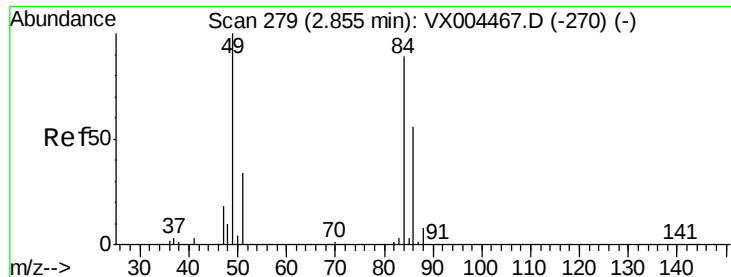
Tot Ion: 43 Resp: 1278
Ion Ratio Lower Upper
43 100
58 40.2 26.2 39.4#



#18
Methyl Acetate
Concen: 0.46 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX004559.D
Acq: 15 Sep 2018 03:10

Tgt Ion: 43 Resp: 2032
Ion Ratio Lower Upper
43 100
74 21.5 19.4 29.2

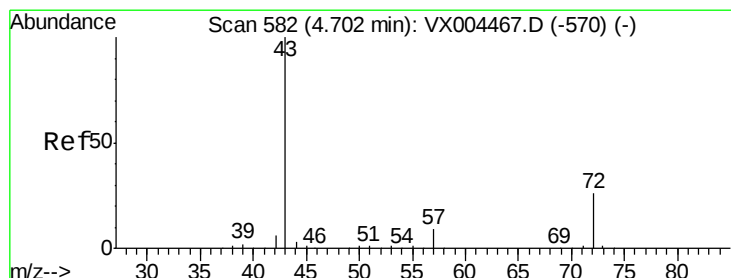
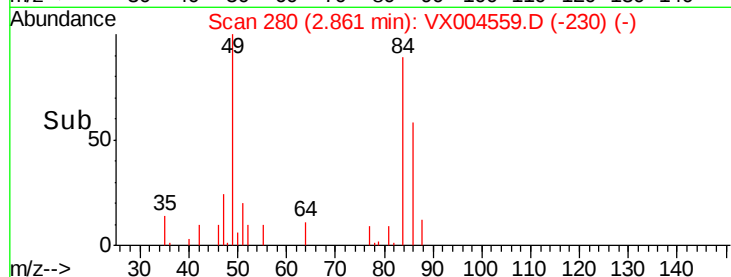
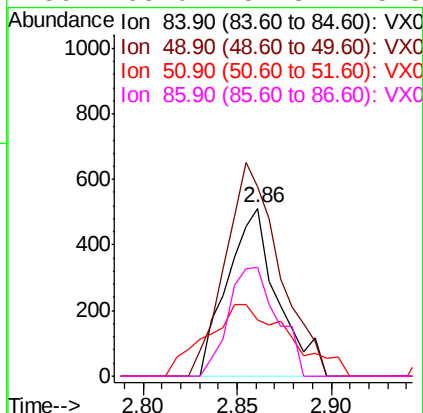
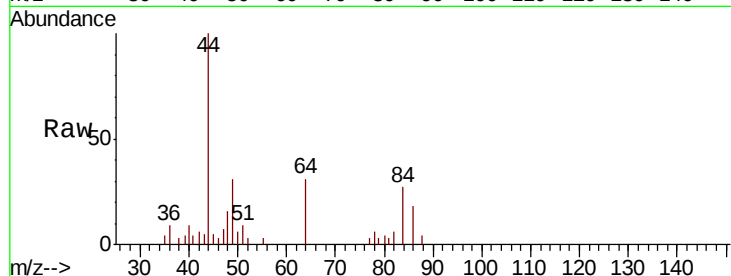




#20
Methvlene Chloride
Concen: 0.29 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004559.D
Acq: 15 Sep 2018 03:10

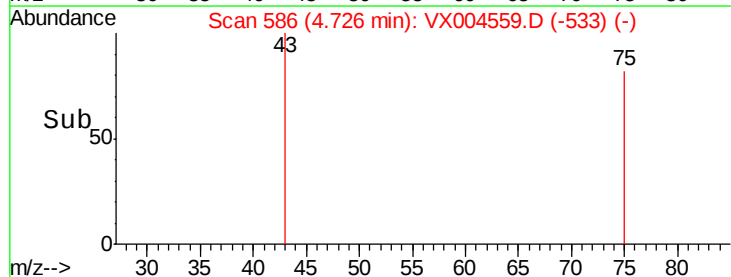
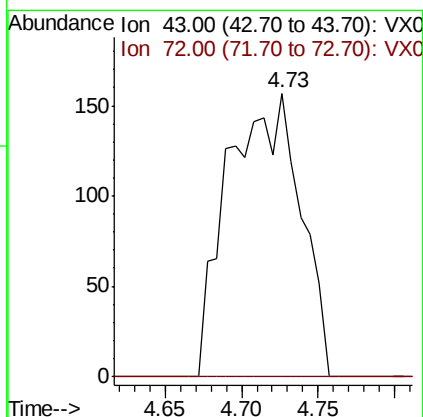
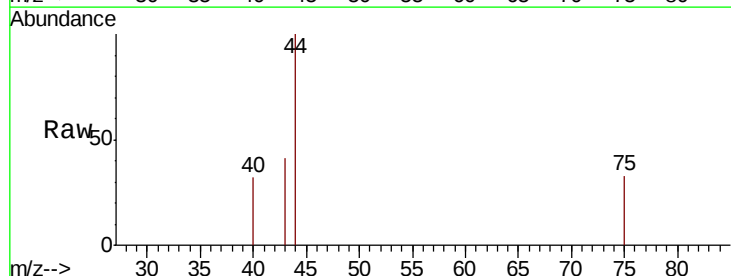
Instrument :
MSVOA_X
ClientSampleId :
S13-TB-2018-1

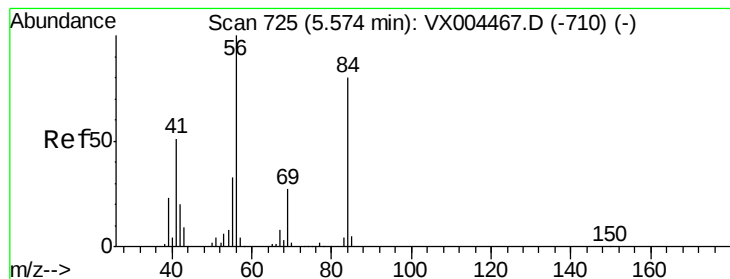
Tot Ion: 84 Resp: 947
Ion Ratio Lower Upper
84 100
49 112.9 101.2 151.8
51 22.3 29.5 44.3#
86 65.0 52.3 78.5



#25
2-Butanone
Concen: 0.21 ug/l
RT: 4.73 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX004559.D
Acq: 15 Sep 2018 03:10

Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#





#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004559.D

Acq: 15 Sep 2018 03:10

Instrument :

MSVOA_X

ClientSampleId :

S13-TB-2018-1

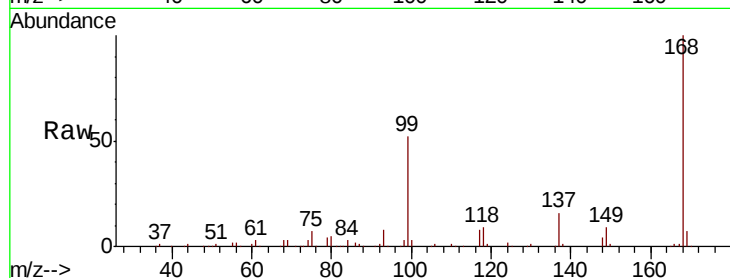
Tot Ion: 56 Resp: 4287

Ion Ratio Lower Upper

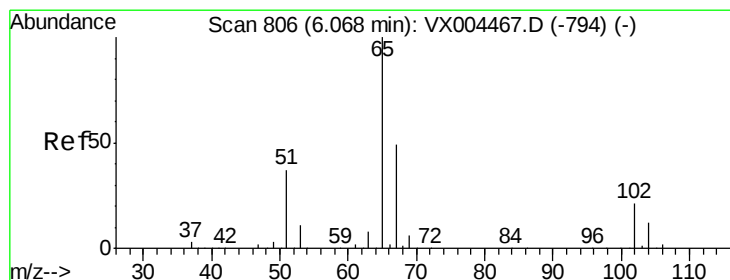
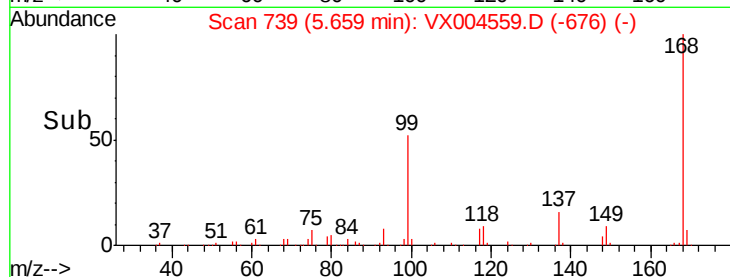
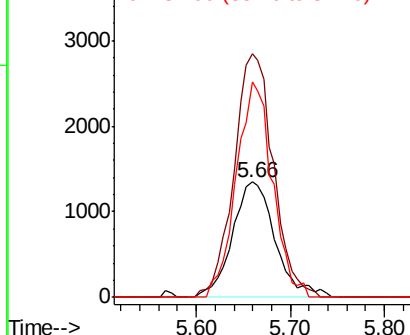
56 100

69 210.7 25.4 38.2#

84 186.1 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.15 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004559.D

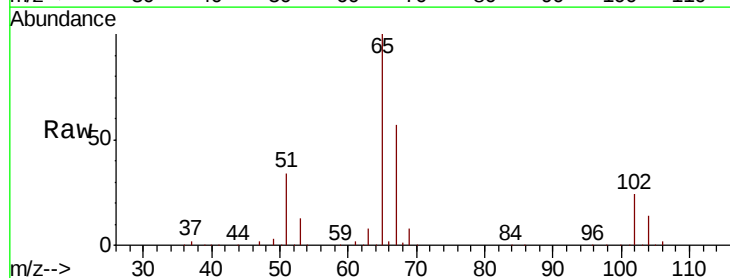
Acq: 15 Sep 2018 03:10

Tgt Ion: 65 Resp: 171142

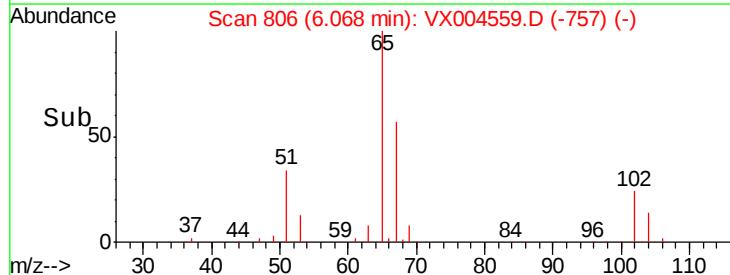
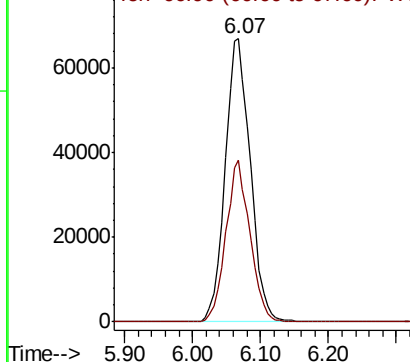
Ion Ratio Lower Upper

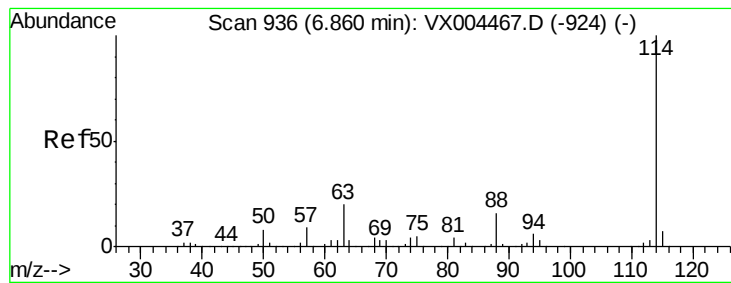
65 100

67 54.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004559.D

Acq: 15 Sep 2018 03:10

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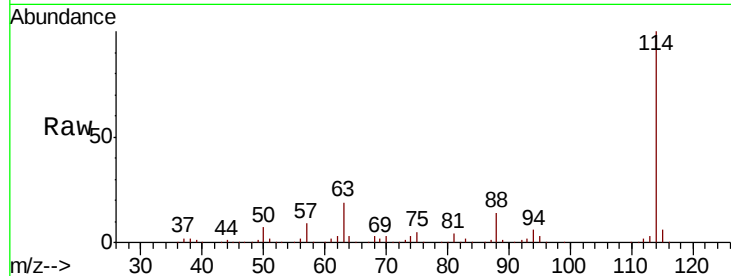
Tot Ion:114 Resp: 353435

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.0

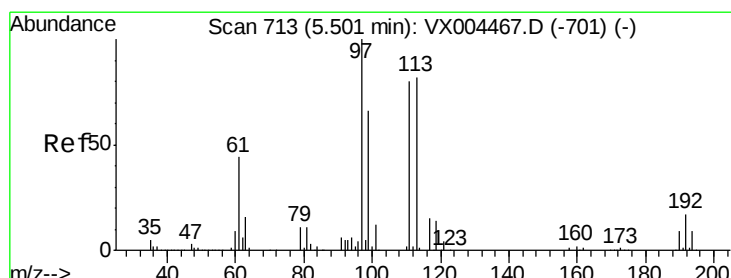
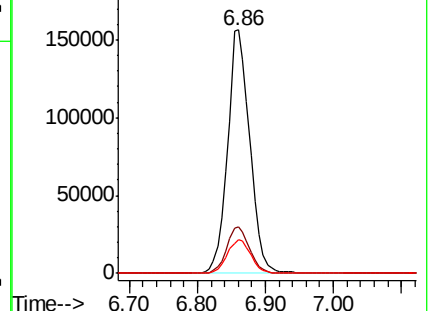
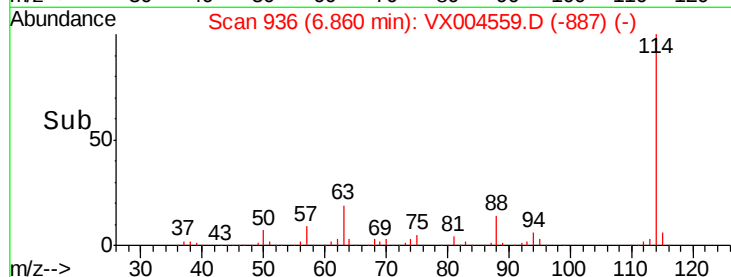
88 13.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.06 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004559.D

Acq: 15 Sep 2018 03:10

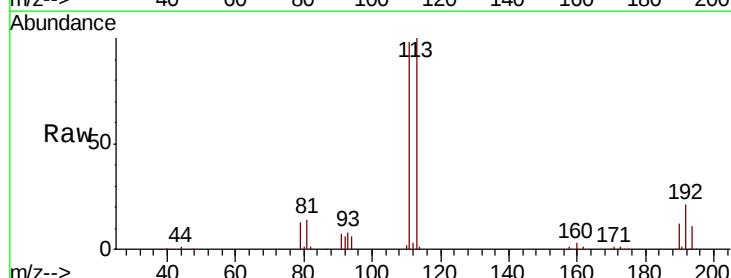
Tgt Ion:113 Resp: 155451

Ion Ratio Lower Upper

113 100

111 101.2 82.4 123.6

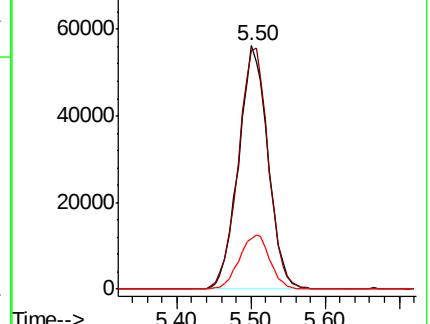
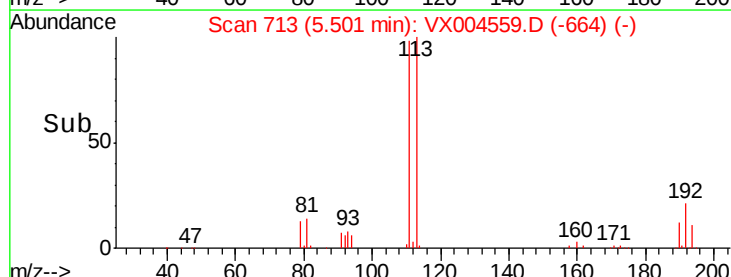
192 23.2 19.4 29.2

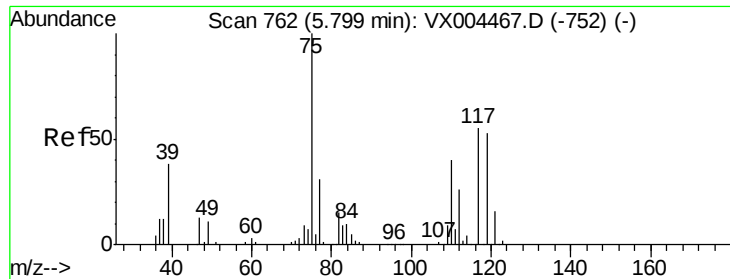


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

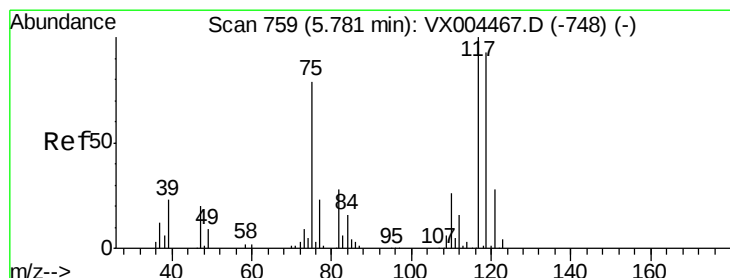
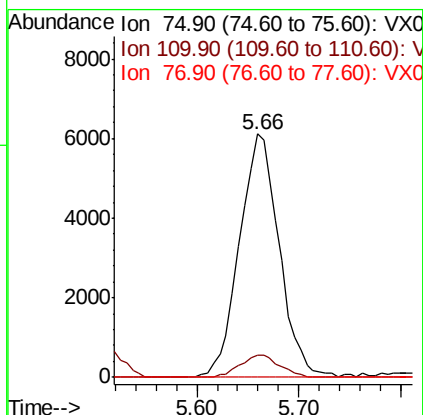
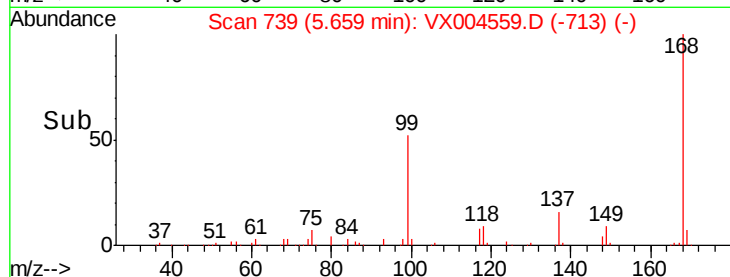
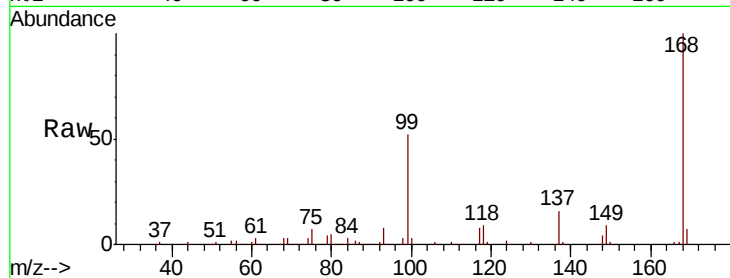




#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004559.D
 Acq: 15 Sep 2018 03:10

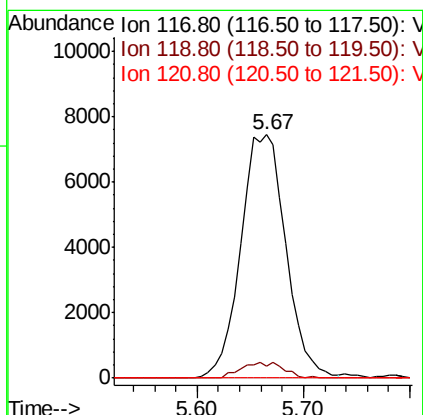
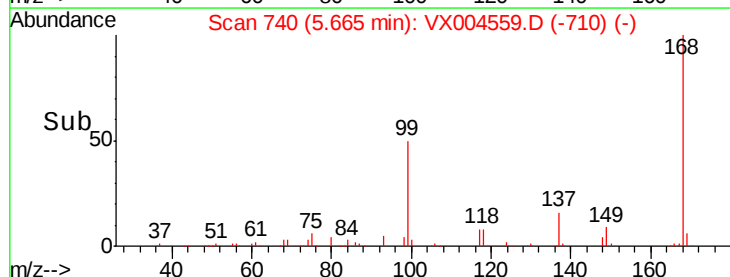
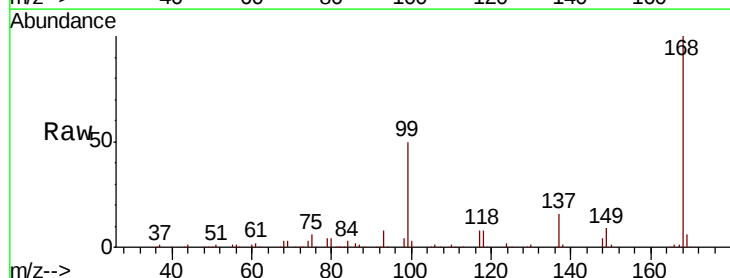
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-TB-2018-1

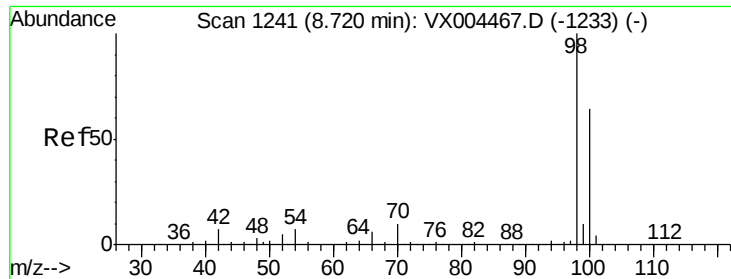
Tot Ion: 75 Resp: 16524
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.0 54.0#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.28 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004559.D
 Acq: 15 Sep 2018 03:10

Tgt Ion: 117 Resp: 22118
 Ion Ratio Lower Upper
 117 100
 119 4.9 78.8 118.2#
 121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 47.68 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004559.D

Acq: 15 Sep 2018 03:10

Instrument :

MSVOA_X

ClientSampleId :

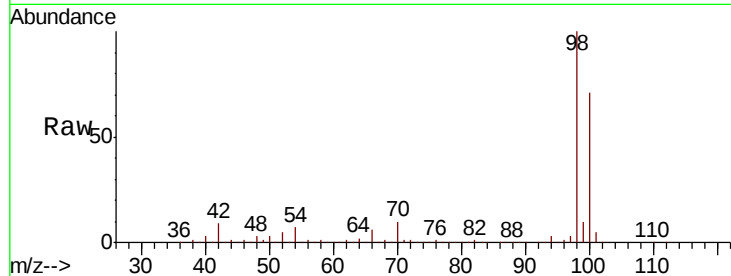
S13-TB-2018-1

Tot Ion: 98 Resp: 517166

Ion Ratio Lower Upper

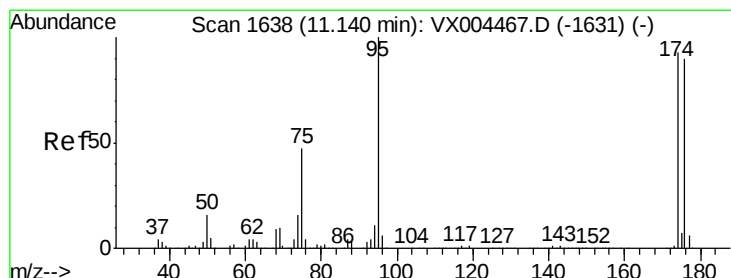
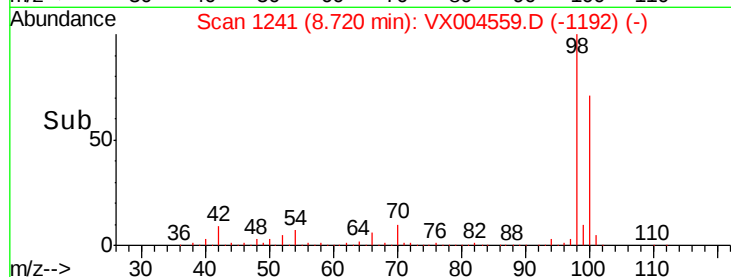
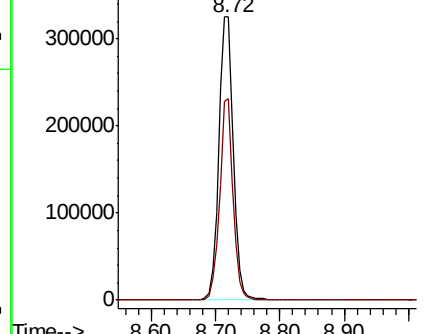
98 100

100 65.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 44.92 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004559.D

Acq: 15 Sep 2018 03:10

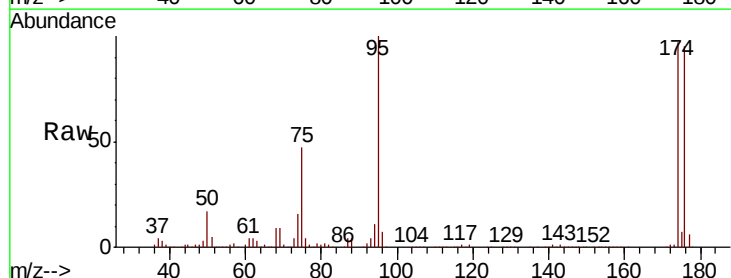
Tgt Ion: 95 Resp: 173929

Ion Ratio Lower Upper

95 100

174 93.6 0.0 185.2

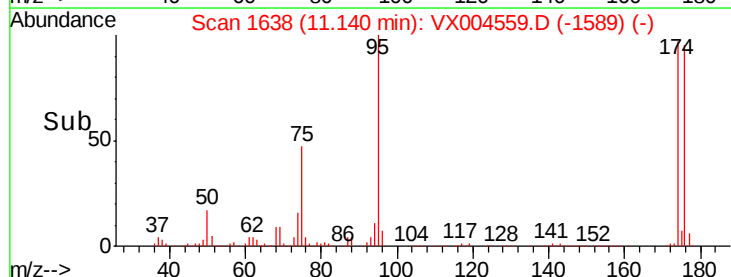
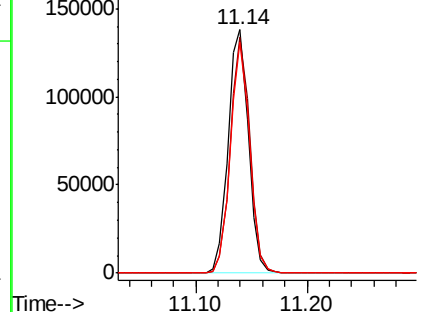
176 90.1 0.0 178.6

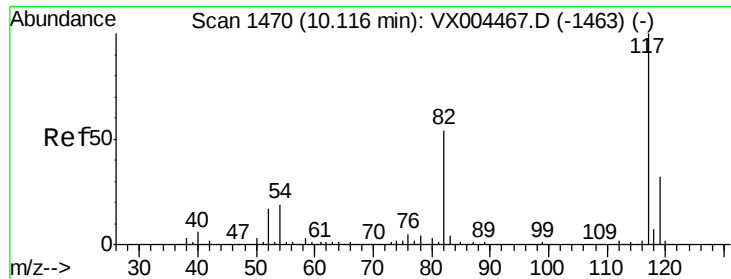


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

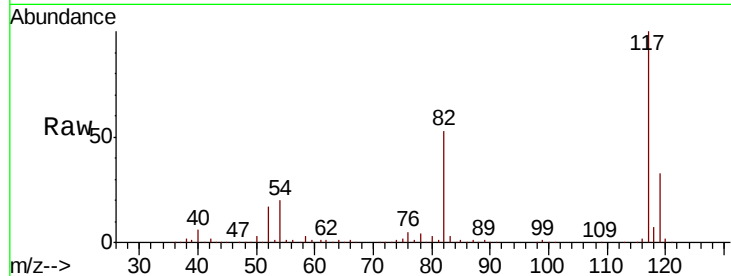




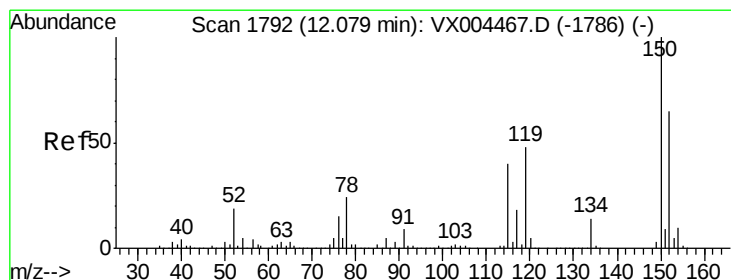
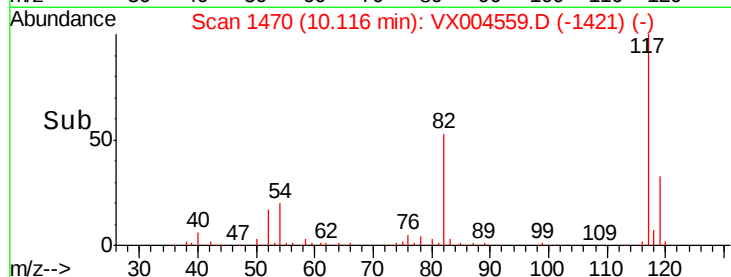
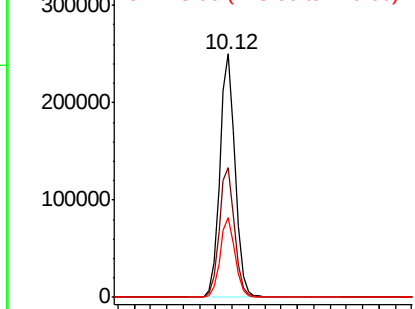
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004559.D
Acq: 15 Sep 2018 03:10

Instrument :
MSVOA_X
ClientSampleId :
S13-TB-2018-1

Tot Ion:117 Resp: 328547
Ion Ratio Lower Upper
117 100
82 53.2 47.8 71.6
119 32.8 29.3 43.9

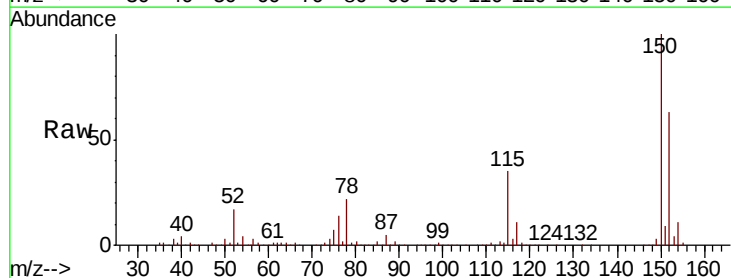


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

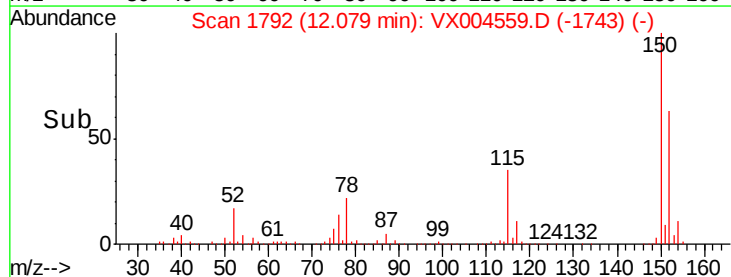
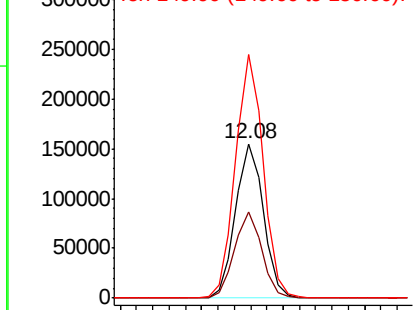


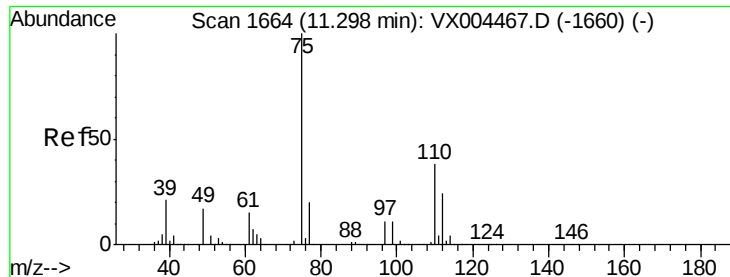
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004559.D
Acq: 15 Sep 2018 03:10

Tgt Ion:152 Resp: 185063
Ion Ratio Lower Upper
152 100
115 54.6 39.0 117.0
150 156.1 0.0 351.0



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: 21.95 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004559.D

Acq: 15 Sep 2018 03:10

Instrument :

MSVOA_X

ClientSampleId :

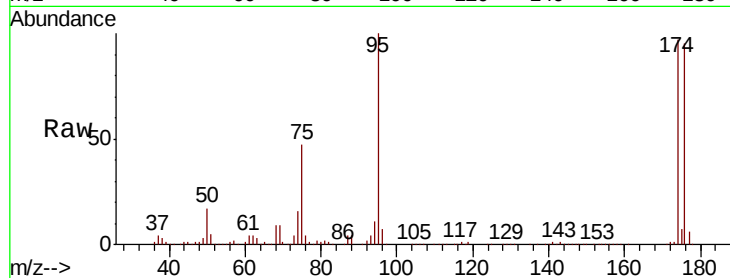
S13-TB-2018-1

Tot Ion: 75 Resp: 81728

Ion Ratio Lower Upper

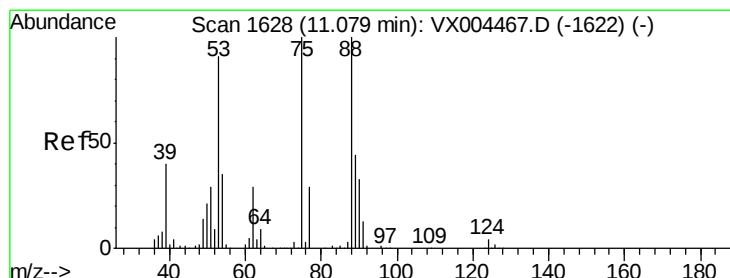
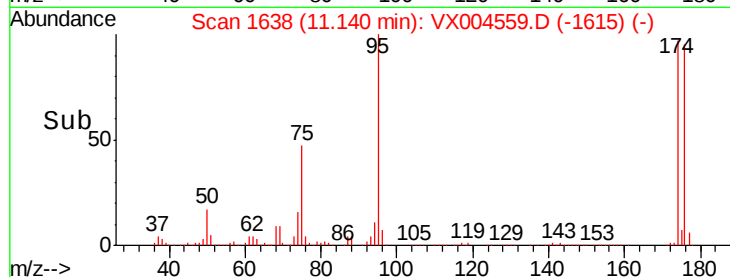
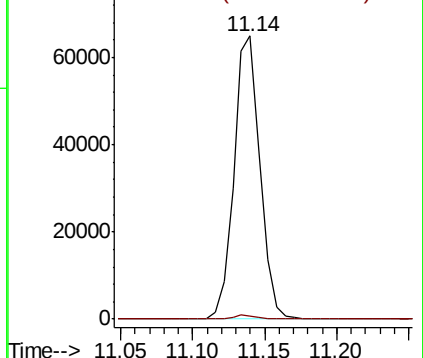
75 100

77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 69.97 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004559.D

Acq: 15 Sep 2018 03:10

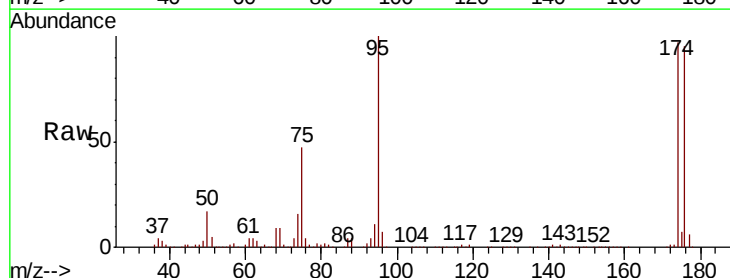
Tgt Ion: 75 Resp: 81728

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

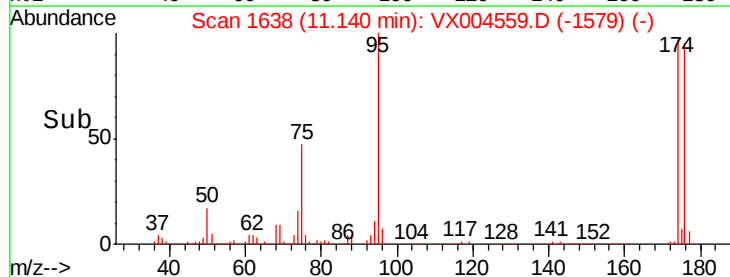
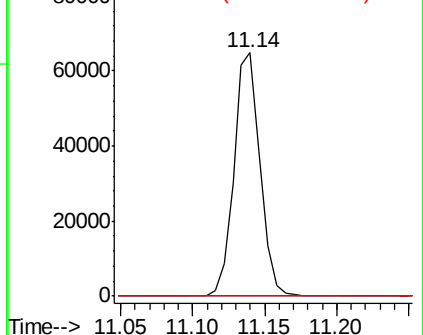
89 0.0 37.2 55.8#

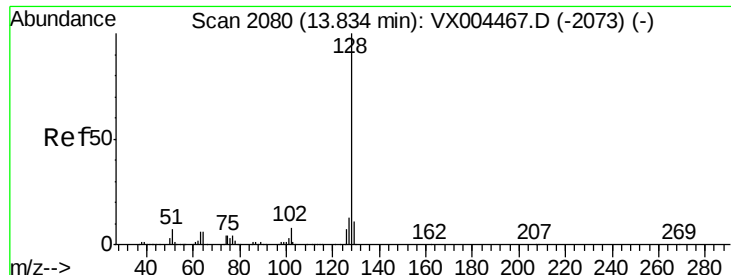


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 0.21 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004559.D

Acq: 15 Sep 2018 03:10

Instrument :

MSVOA_X

ClientSampleId :

S13-TB-2018-1

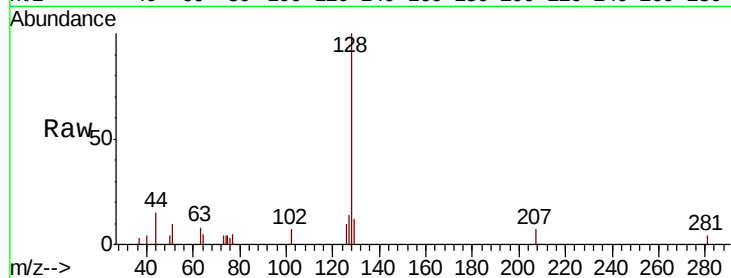
Tot Ion:128 Resp: 2622

Ion Ratio Lower Upper

128 100

127 15.9 10.2 15.2#

129 10.6 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

