

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005496.D
 Acq On : 23 Oct 2018 03:40
 Operator : JC/MD
 Sample : J5626-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-2018.10.19-SED

Quant Time: Oct 23 05:08:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	324525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	291386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143128	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	140719	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
35) Dibromofluoromethane	5.50	113	119391	55.55	ug/l	0.00
Spiked Amount			Recovery	=	111.10%	
50) Toluene-d8	8.71	98	391973	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
62) 4-Bromofluorobenzene	11.14	95	128693	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	

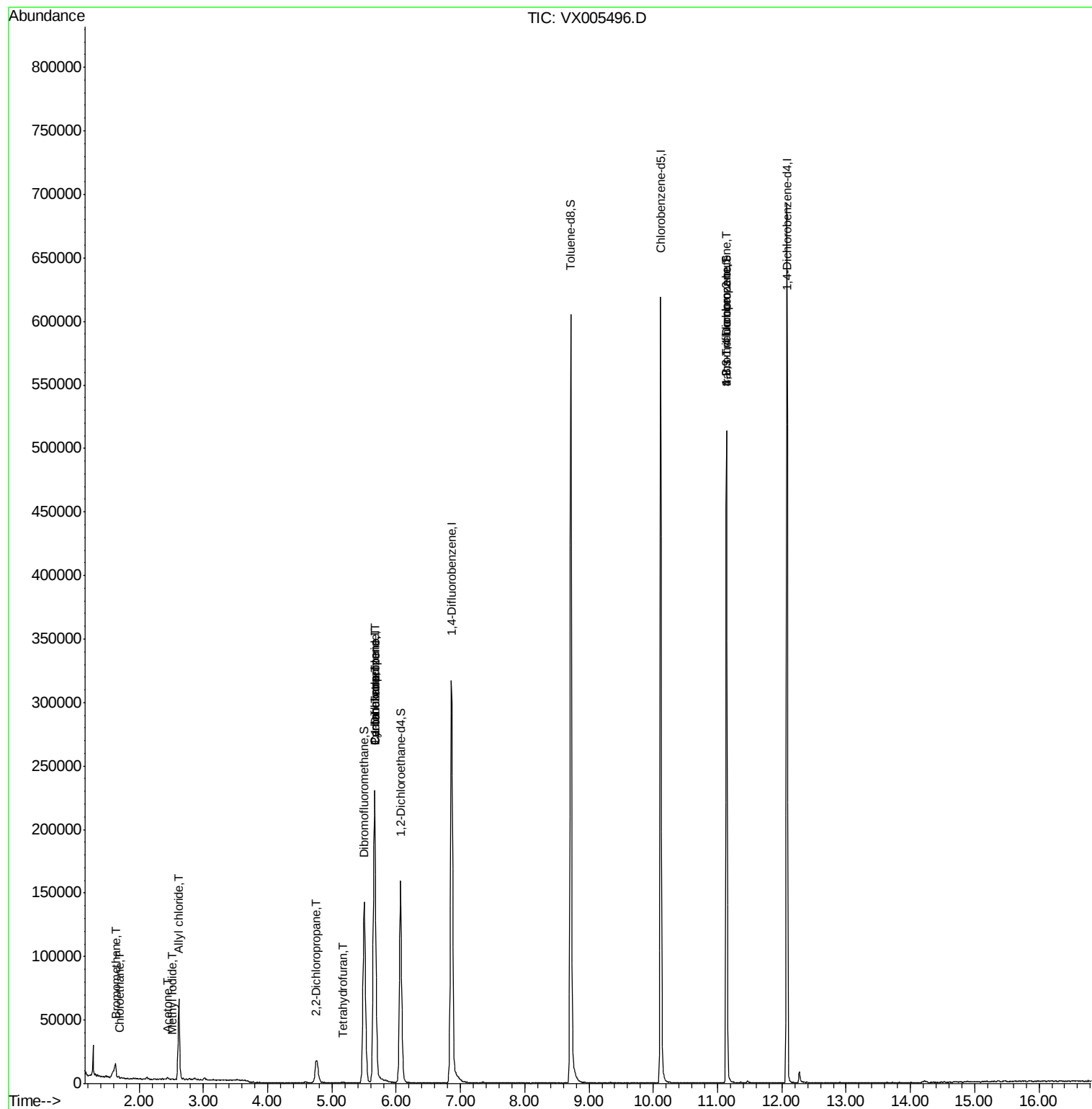
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	484	0.902	ug/l #	41
6) Chloroethane	1.70	64	114	0.400	ug/l #	44
10) Methyl Iodide	2.51	142	300	2.615	ug/l #	86
13) Acrolein	2.28	56	85	Below Cal	#	1
14) Allyl chloride	2.62	41	6083	1.362	ug/l #	68
16) Acetone	2.44	43	2662	1.786	ug/l	99
20) Methylene Chloride	2.87	84	569	Below Cal		92
26) 2,2-Dichloropropane	4.76	77	1628	0.506	ug/l #	52
29) Tetrahydrofuran	5.17	42	294	0.211	ug/l #	46
31) Cyclohexane	5.66	56	4415	1.246	ug/l #	15
36) 1,1-Dichloropropene	5.67	75	15774	5.019	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20353	6.445	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	64650	23.287	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	64650	70.756	ug/l #	10

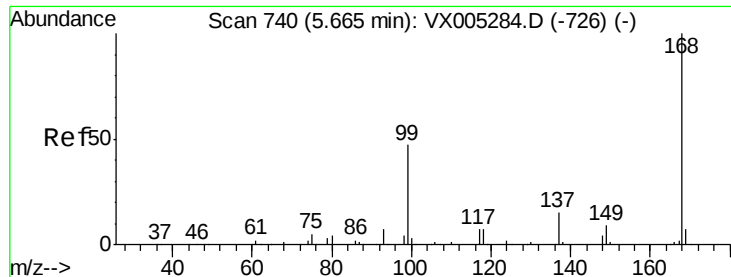
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

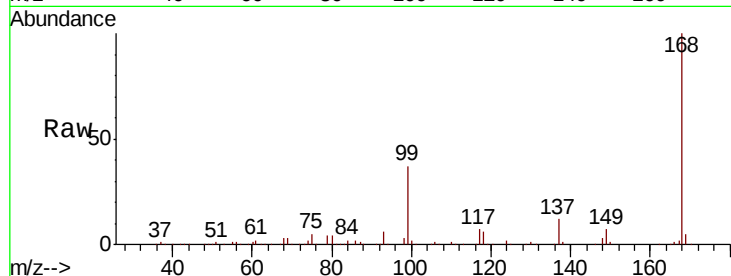
EB-2018.10.19-SED

Tot Ion:168 Resp: 232264

Ion Ratio Lower Upper

168 100

99 36.5 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

80000

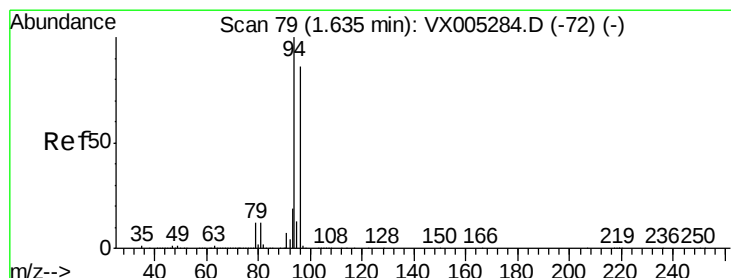
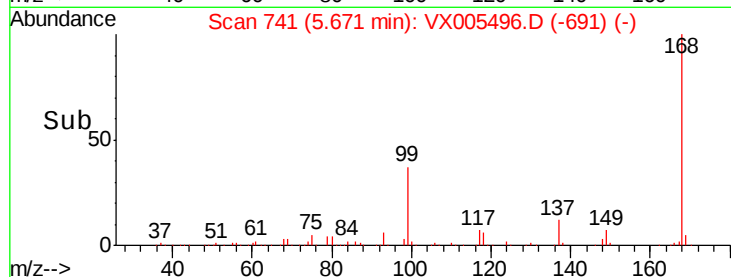
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.902 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005496.D

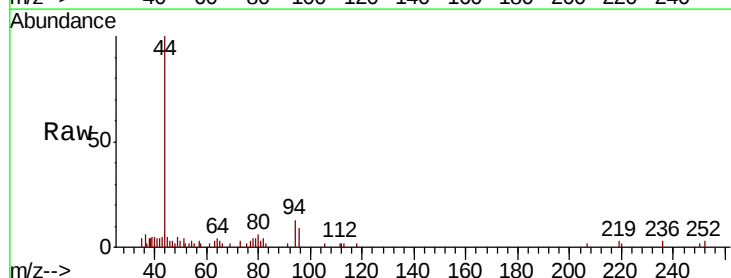
Acq: 23 Oct 2018 03:40

Tgt Ion: 94 Resp: 484

Ion Ratio Lower Upper

94 100

96 36.8 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

400

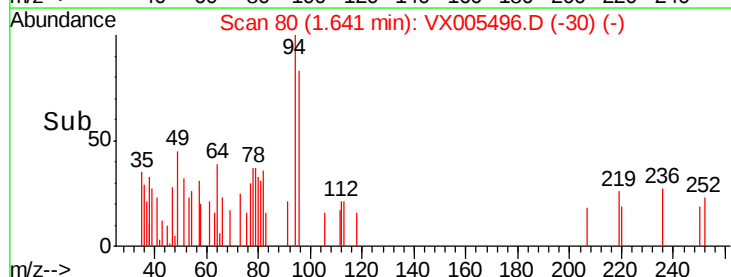
300

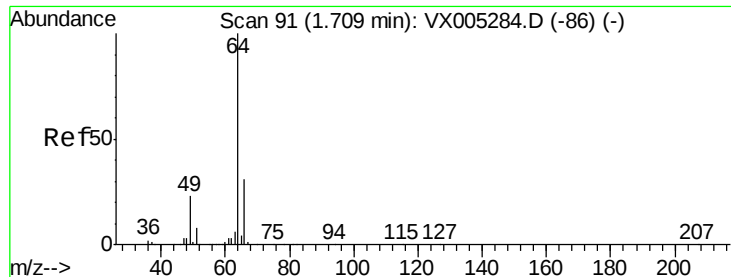
200

100

0

Time-->





#6

Chloroethane

Concen: 0.400 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

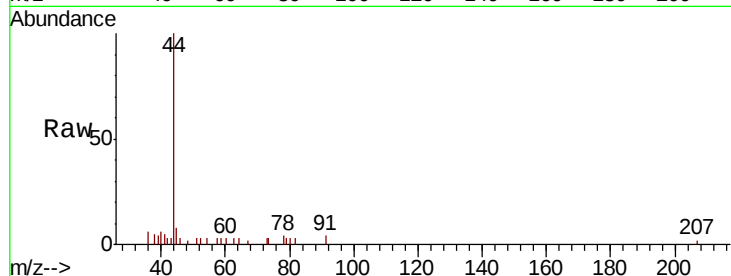
EB-2018.10.19-SED

Tot Ion: 64 Resp: 114

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

120

100

80

60

40

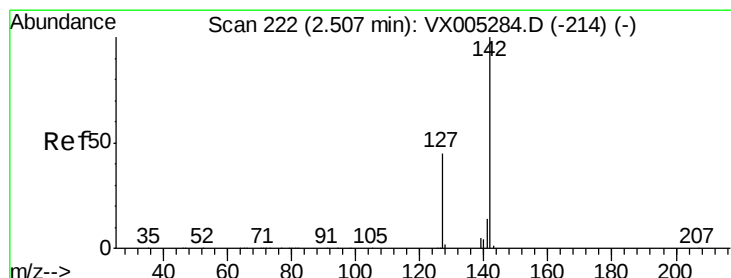
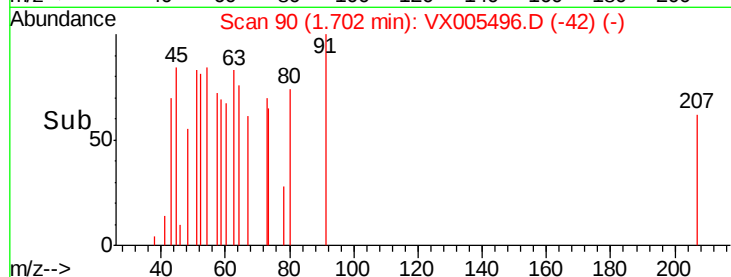
20

0

1.70

1.75

Time-->



#10

Methyl Iodide

Concen: 2.615 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

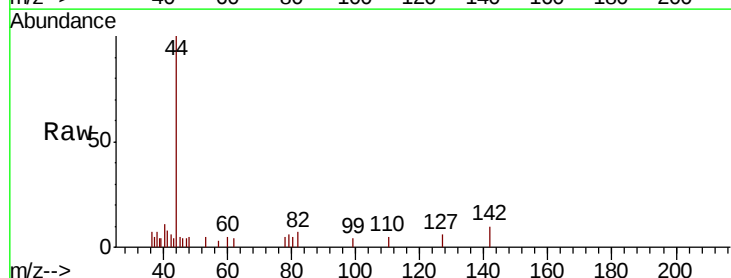
Tgt Ion: 142 Resp: 300

Ion Ratio Lower Upper

142 100

127 46.3 33.8 50.6

141 0.0 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

200

150

100

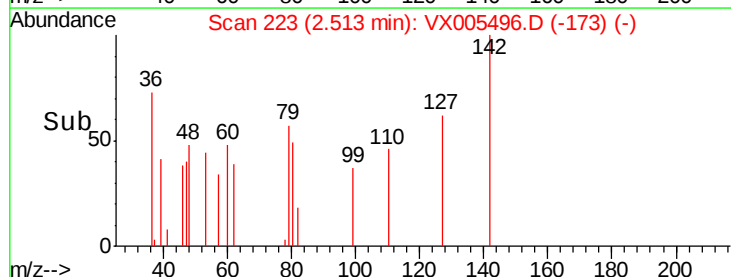
50

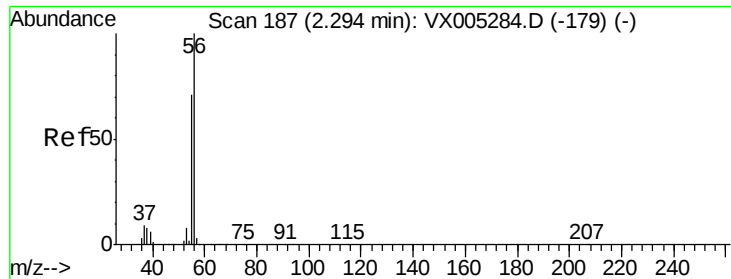
0

2.50

2.55

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

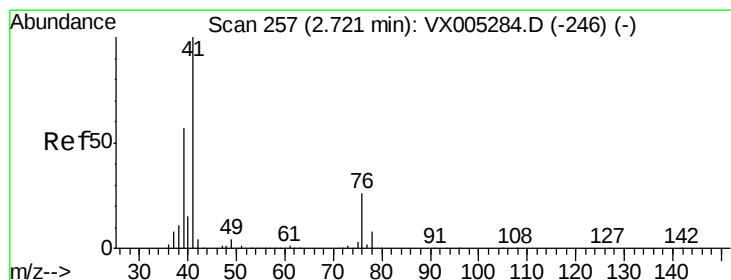
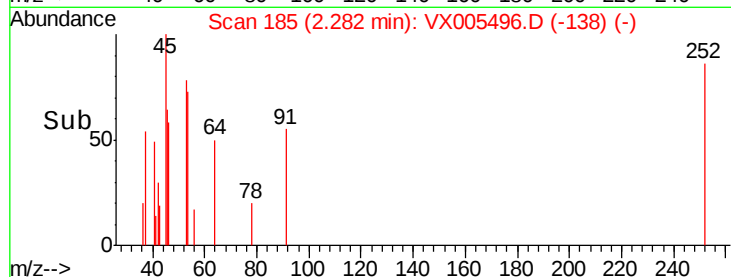
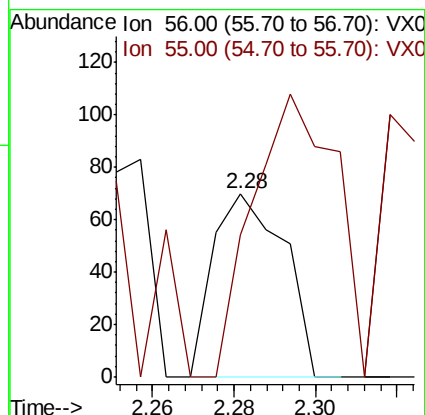
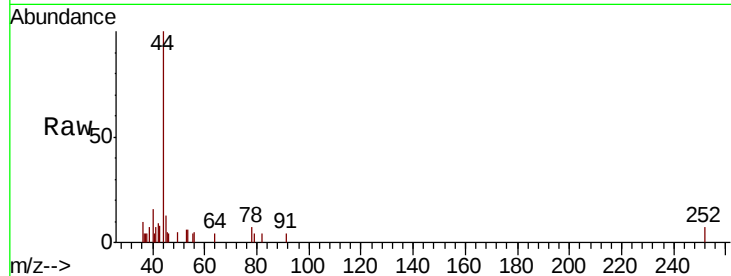
EB-2018.10.19-SED

Tot Ion: 56 Resp: 85

Ion Ratio Lower Upper

56 100

55 178.8 54.7 82.1#



#14

Allyl chloride

Concen: 1.362 ug/l

RT: 2.62 min Scan# 241

Delta R.T. -0.10 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

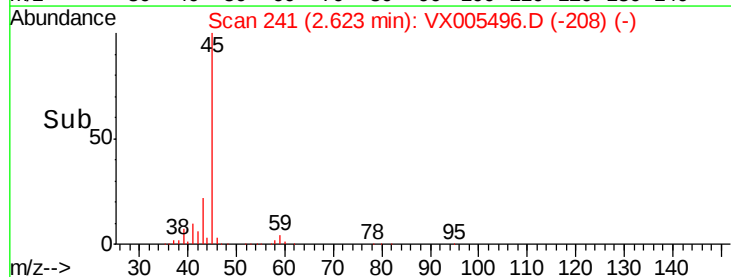
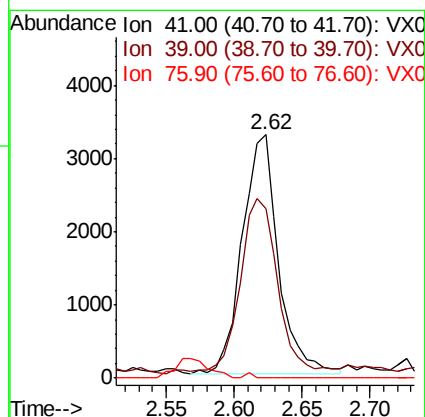
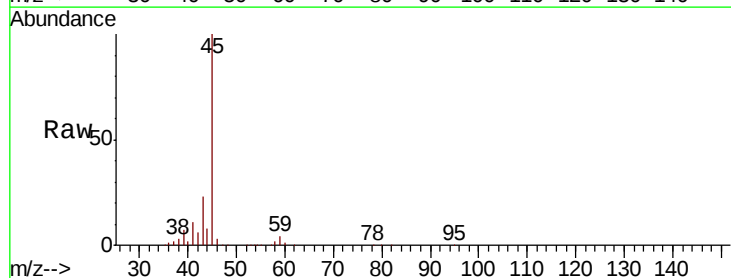
Tgt Ion: 41 Resp: 6083

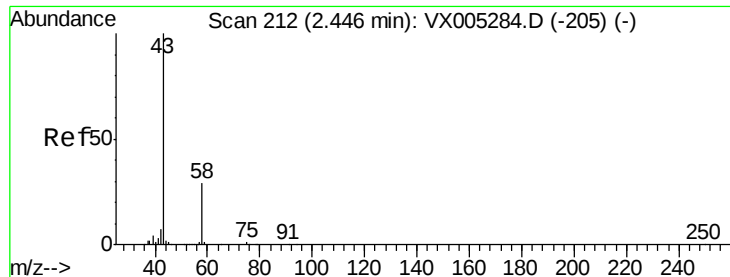
Ion Ratio Lower Upper

41 100

39 74.3 48.9 73.3#

76 0.5 26.7 40.1#





#16

Acetone

Concen: 1.786 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

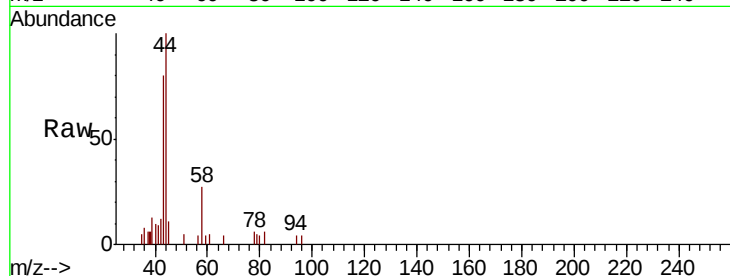
EB-2018.10.19-SED

Tot Ion: 43 Resp: 2662

Ion Ratio Lower Upper

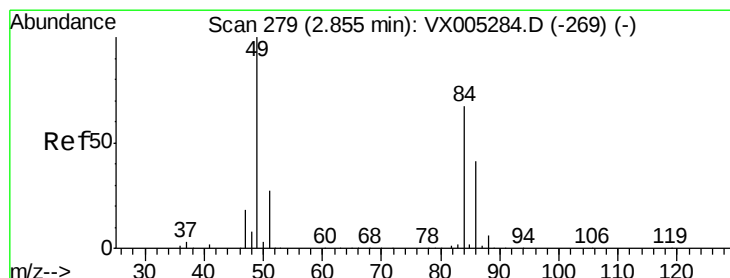
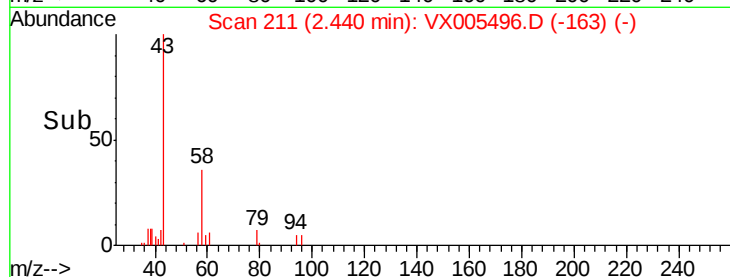
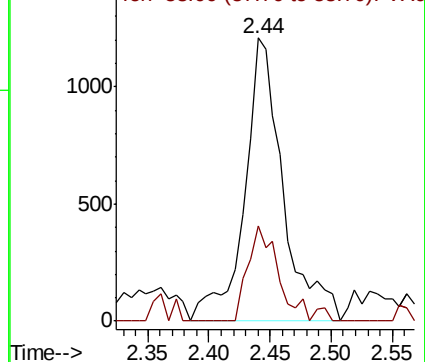
43 100

58 33.6 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

Tgt Ion: 84 Resp: 569

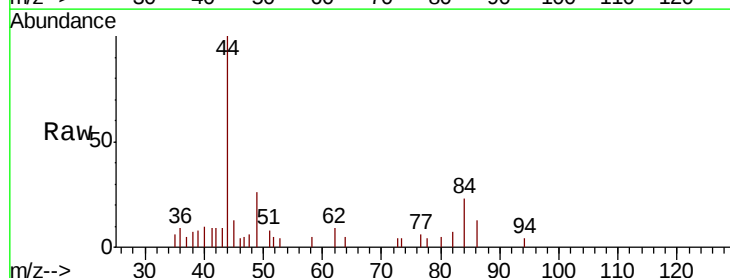
Ion Ratio Lower Upper

84 100

49 117.5 101.2 151.8

51 37.6 29.5 44.3

86 56.1 52.3 78.5

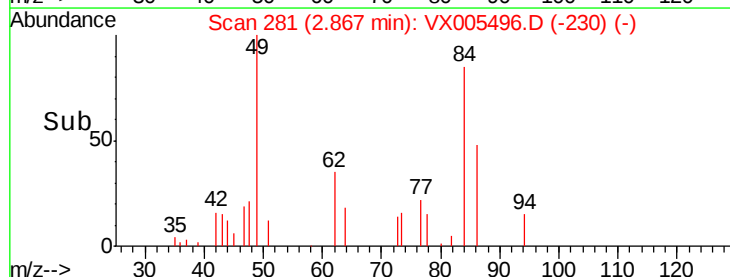
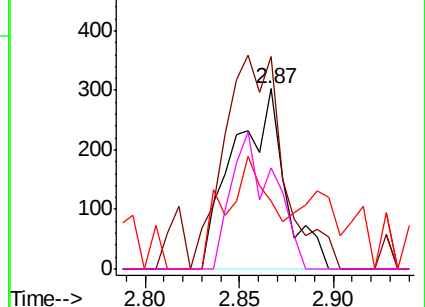


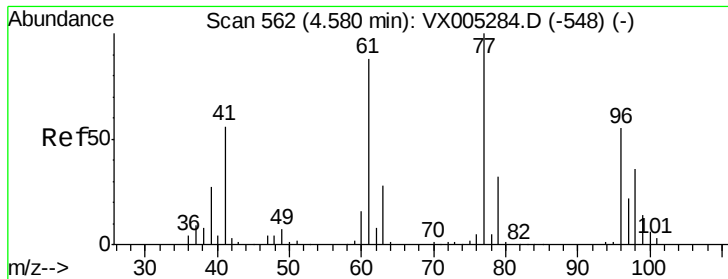
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#26

2,2-Dichloropropane

Concen: 0.506 ug/l

RT: 4.76 min Scan# 592

Delta R.T. 0.18 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

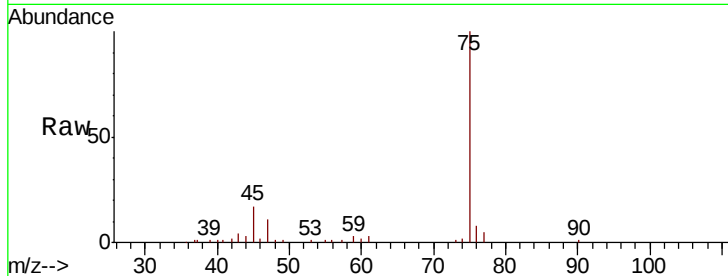
EB-2018.10.19-SED

Tot Ion: 77 Resp: 1628

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

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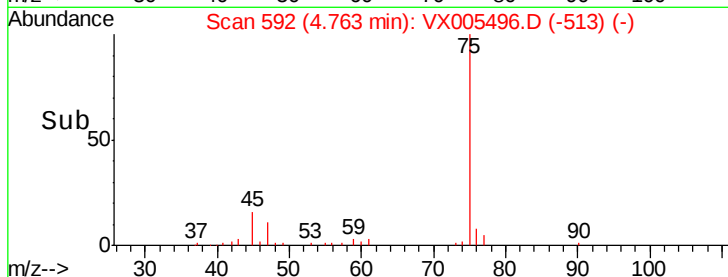
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4.76

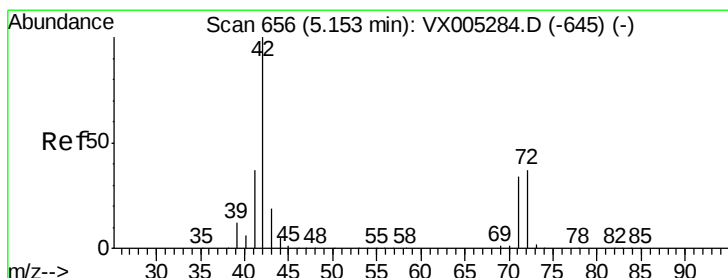
4.76

4.76

4.76



Time-->



#29

Tetrahydrofuran

Concen: 0.211 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

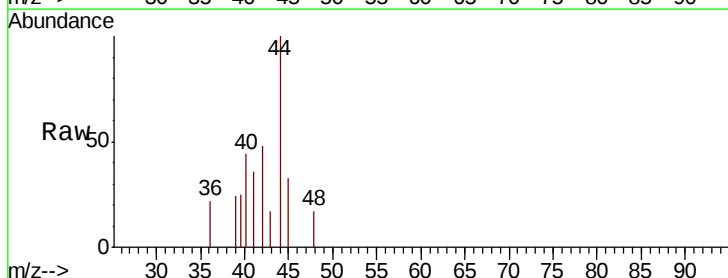
Tgt Ion: 42 Resp: 294

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

71 20.1 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

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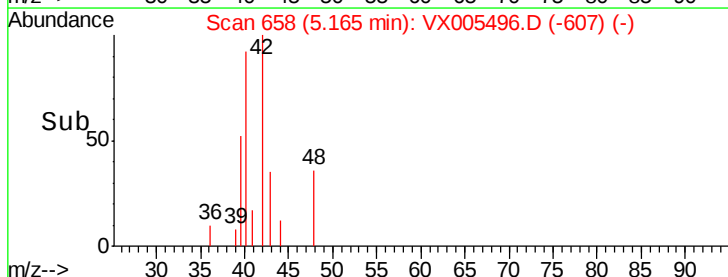
5.17

5.17

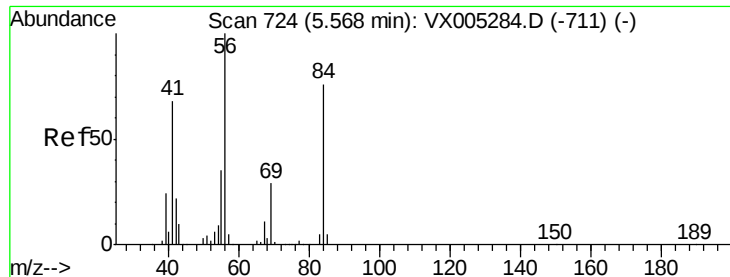
5.17

5.17

5.17



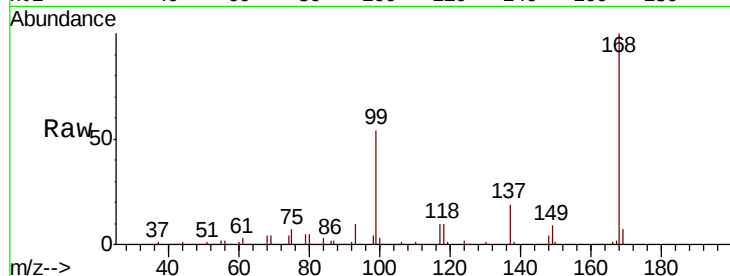
Time-->



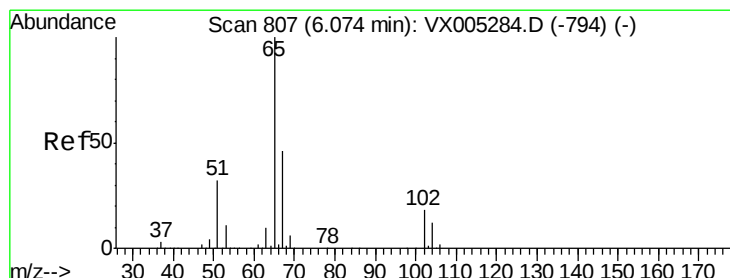
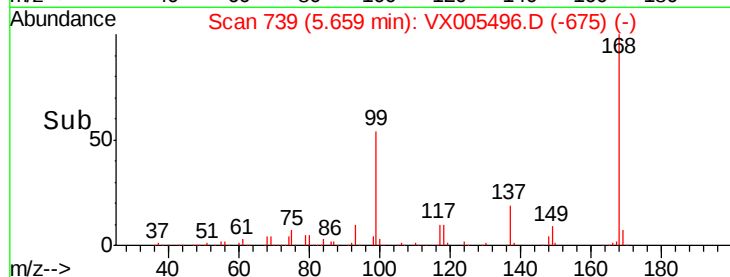
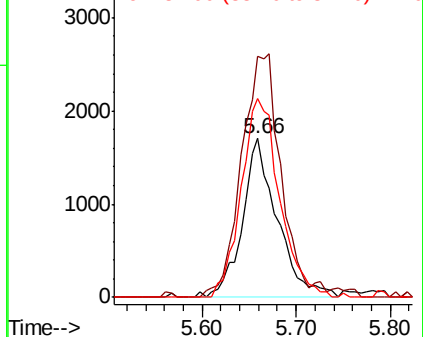
#31
Cyclohexane
Concen: 1.246 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005496.D
Acq: 23 Oct 2018 03:40

Instrument :
MSVOA_X
ClientSampleId :
EB-2018.10.19-SED

Tot Ion: 56 Resp: 4415
Ion Ratio Lower Upper
56 100
69 151.7 25.4 38.2#
84 125.0 71.4 107.2#

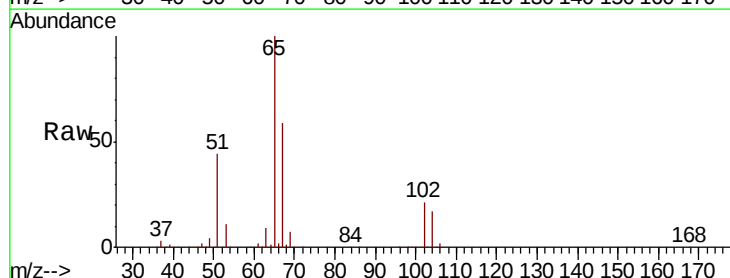


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

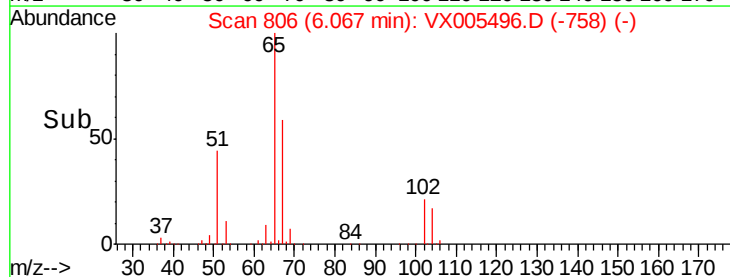
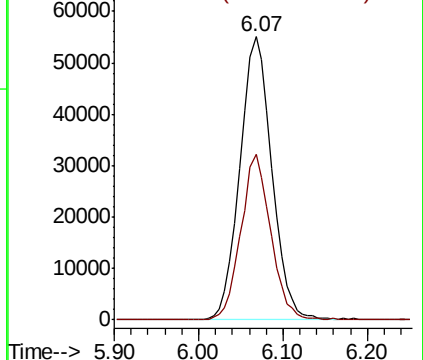


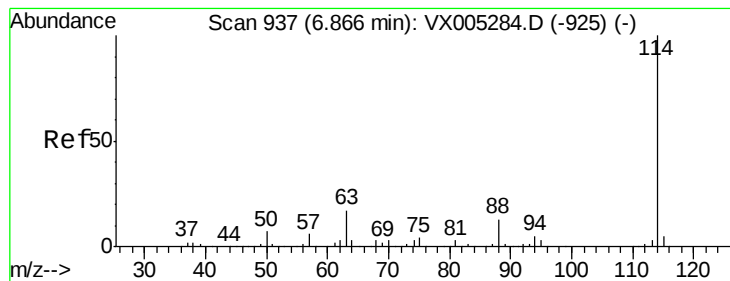
#33
1,2-Dichloroethane-d4
Concen: 54.589 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005496.D
Acq: 23 Oct 2018 03:40

Tgt Ion: 65 Resp: 140719
Ion Ratio Lower Upper
65 100
67 54.8 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: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

EB-2018.10.19-SED

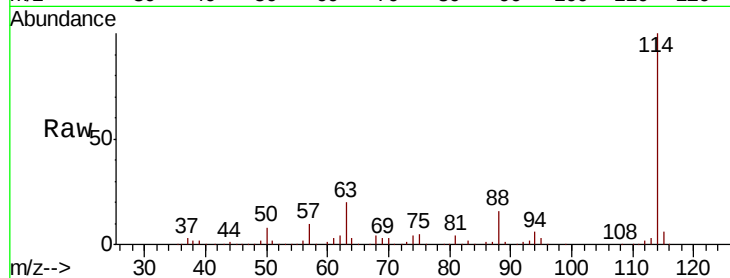
Tot Ion:114 Resp: 324525

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.0

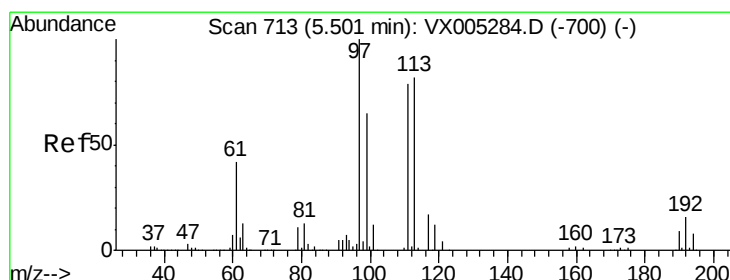
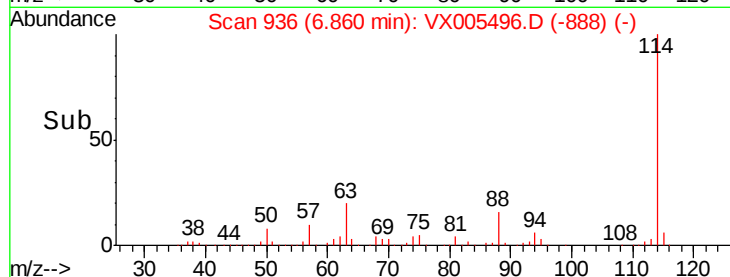
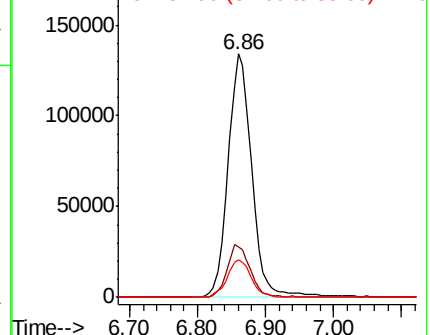
88 15.6 0.0 30.4



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: 55.546 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

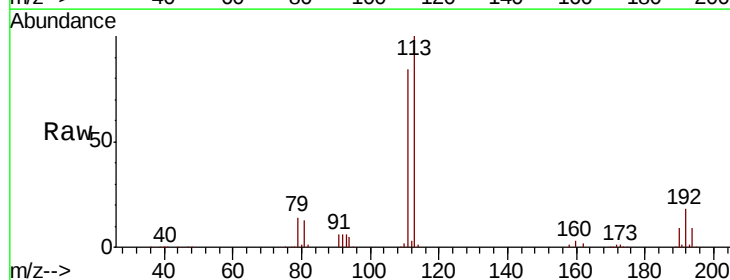
Tgt Ion:113 Resp: 119391

Ion Ratio Lower Upper

113 100

111 96.9 82.4 123.6

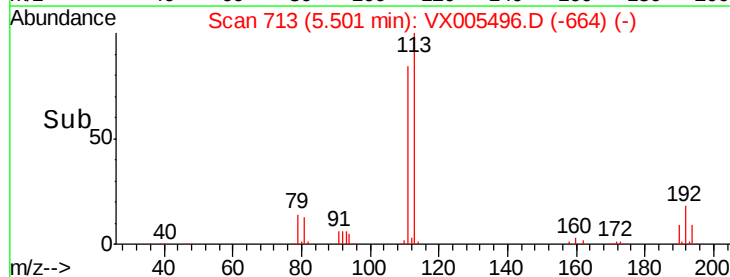
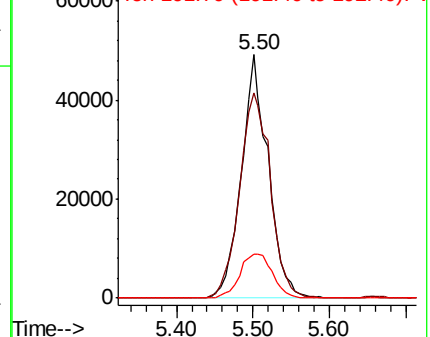
192 22.2 19.4 29.2

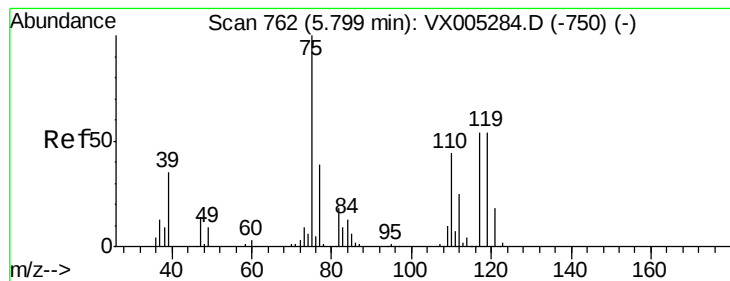


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.019 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

EB-2018.10.19-SED

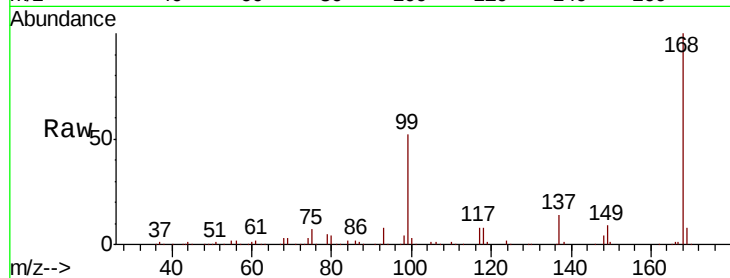
Tot Ion: 75 Resp: 15774

Ion Ratio Lower Upper

75 100

110 10.0 18.0 54.0#

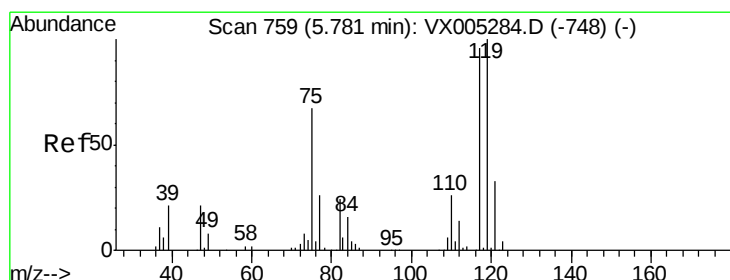
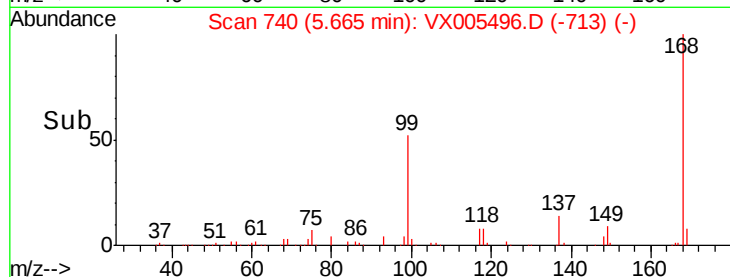
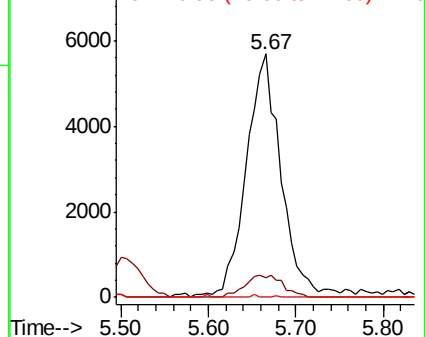
77 0.1 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.445 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

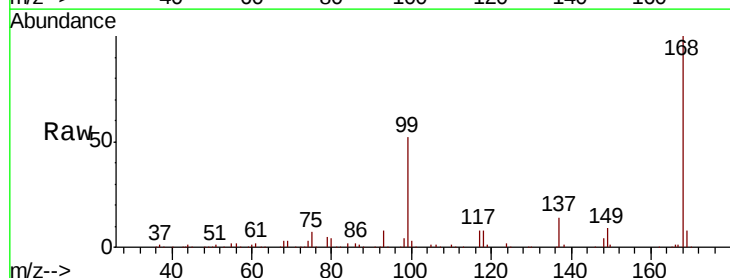
Tgt Ion: 117 Resp: 20353

Ion Ratio Lower Upper

117 100

119 6.9 78.8 118.2#

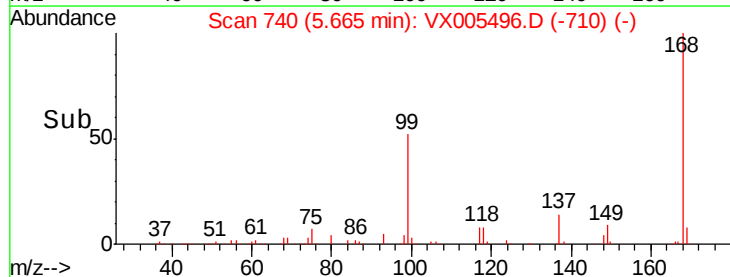
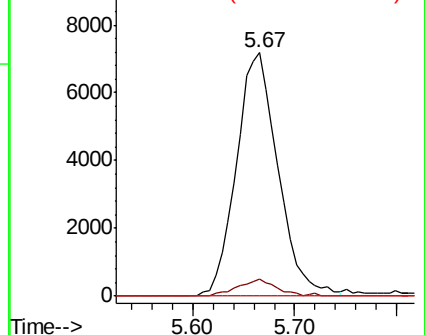
121 0.0 24.9 37.3#

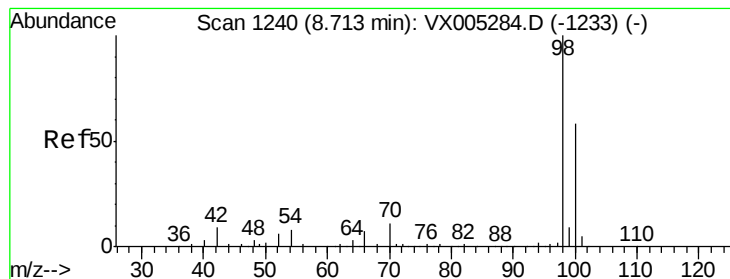


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 53.120 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

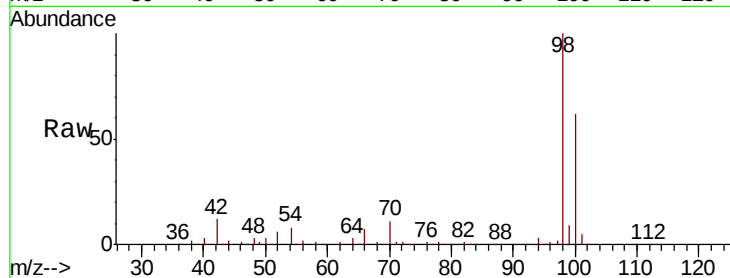
EB-2018.10.19-SED

Tot Ion: 98 Resp: 391973

Ion Ratio Lower Upper

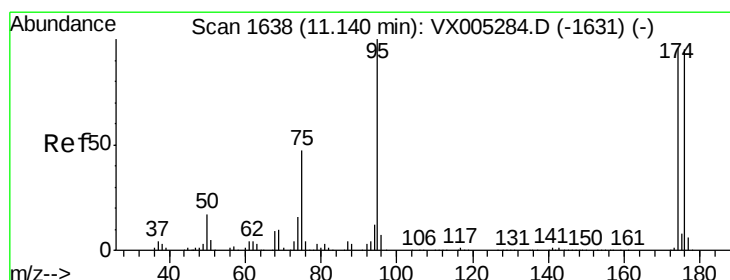
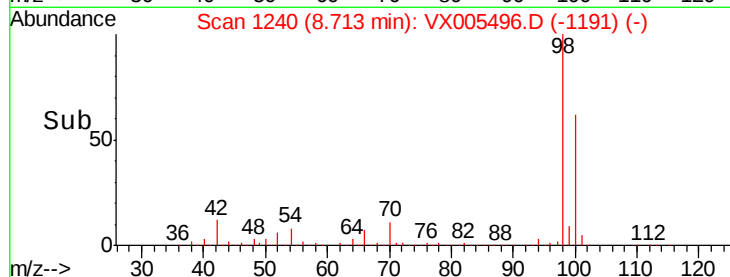
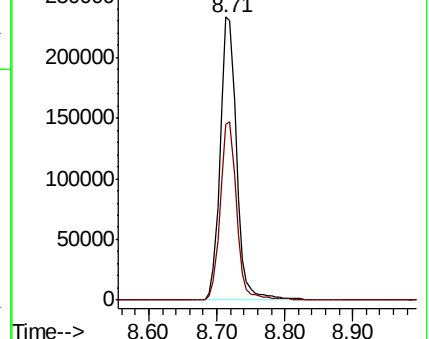
98 100

100 63.1 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: 46.425 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005496.D

Acq: 23 Oct 2018 03:40

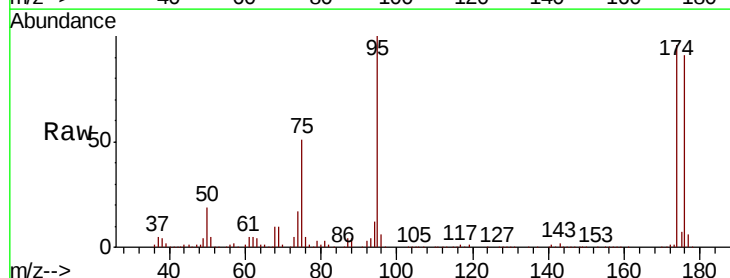
Tgt Ion: 95 Resp: 128693

Ion Ratio Lower Upper

95 100

174 94.1 0.0 185.2

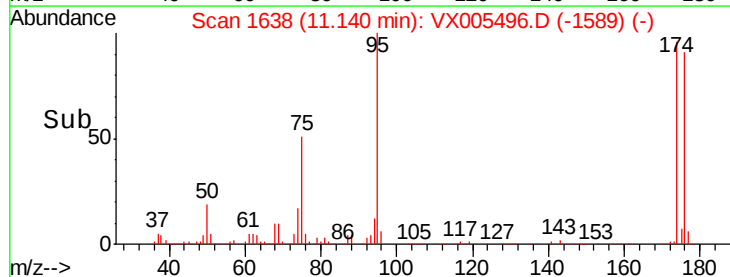
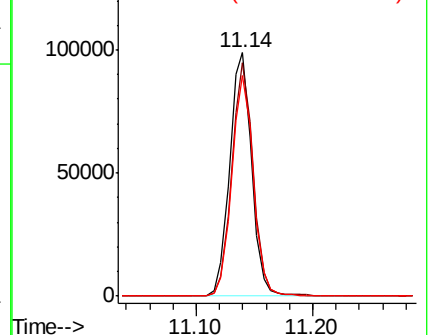
176 89.7 0.0 178.6

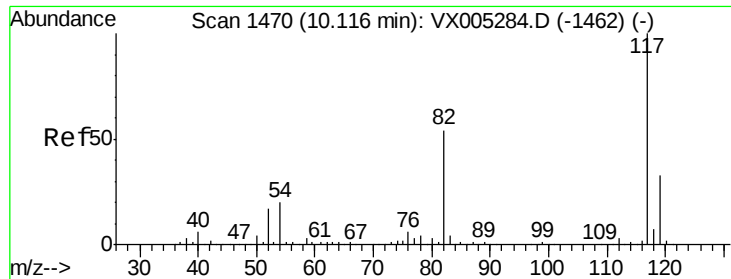


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

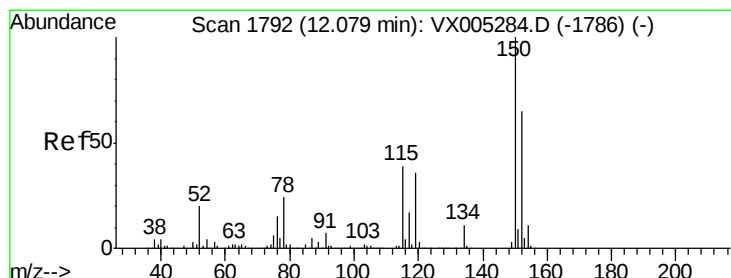
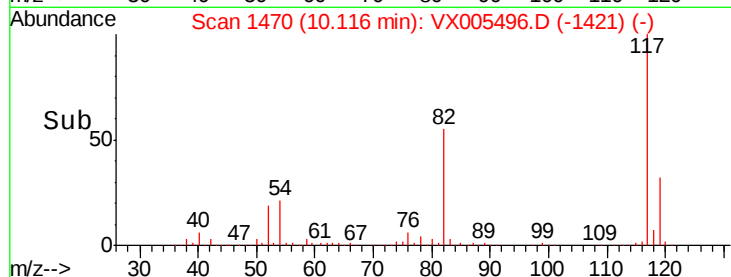
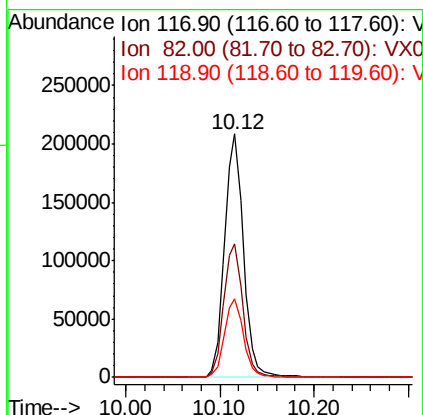
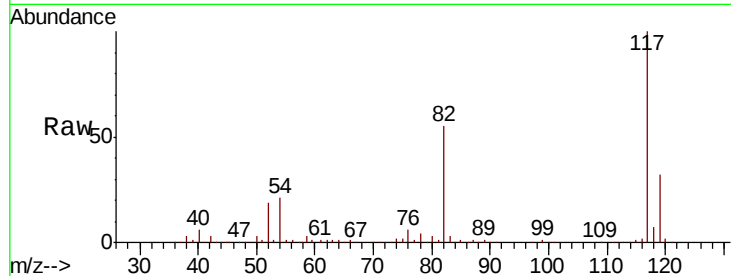




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005496.D
Acq: 23 Oct 2018 03:40

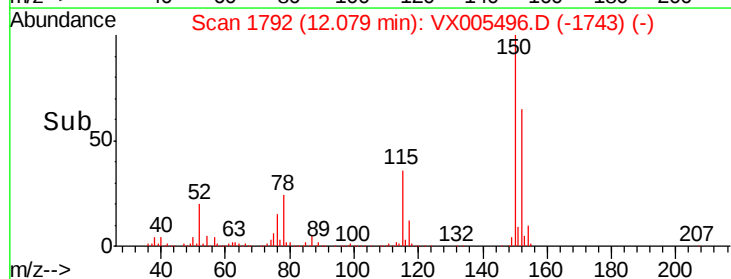
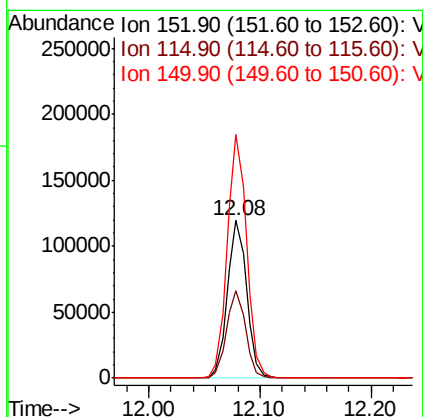
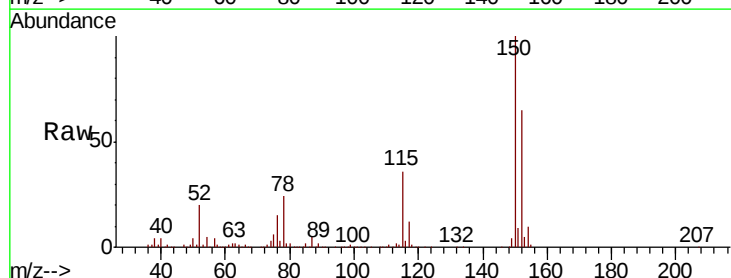
Instrument :
MSVOA_X
ClientSampleId :
EB-2018.10.19-SED

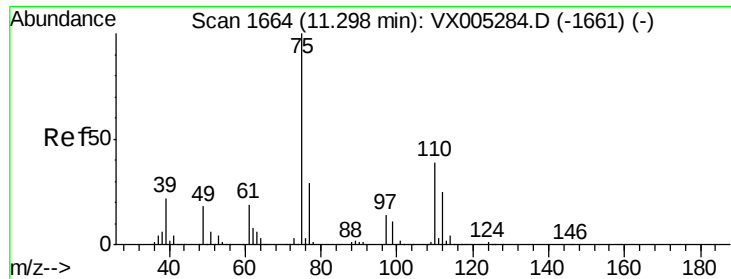
Tot Ion:117 Resp: 291386
Ion Ratio Lower Upper
117 100
82 54.8 47.8 71.6
119 32.4 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005496.D
Acq: 23 Oct 2018 03:40

Tgt Ion:152 Resp: 143128
Ion Ratio Lower Upper
152 100
115 54.8 39.0 117.0
150 155.5 0.0 351.0

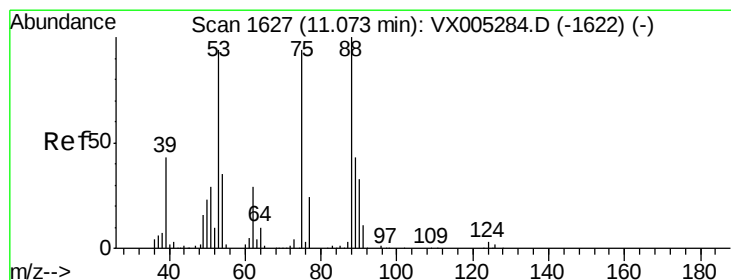
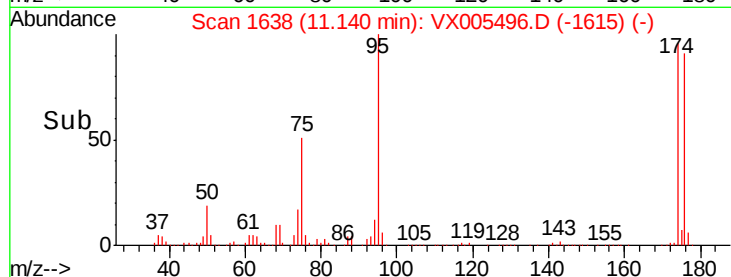
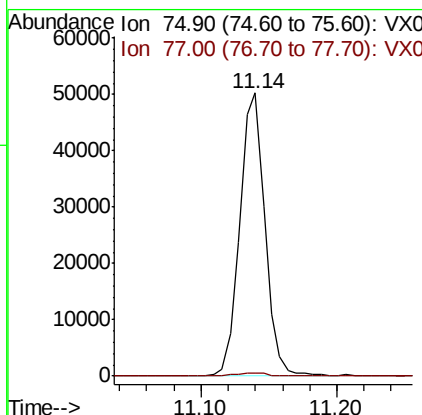
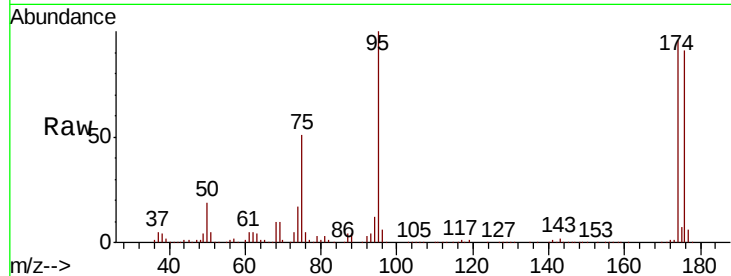




#76
 1,2,3-Trichloropropane
 Concen: 23.287 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005496.D
 Acq: 23 Oct 2018 03:40

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-2018.10.19-SED

Tot Ion: 75 Resp: 64650
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.756 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005496.D
 Acq: 23 Oct 2018 03:40

Tgt Ion: 75 Resp: 64650
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.1 120.1#
 89 0.0 37.2 55.8#

