

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005493.D
 Acq On : 23 Oct 2018 02:20
 Operator : JC/MD
 Sample : J5626-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-2018.10.19

Quant Time: Oct 23 03:36:12 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	231837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	325784	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139811	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	143264	55.68	ug/l	0.00
Spiked Amount			Recovery	=	111.36%	
35) Dibromofluoromethane	5.50	113	110700	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
50) Toluene-d8	8.72	98	382770	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	11.14	95	126111	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	

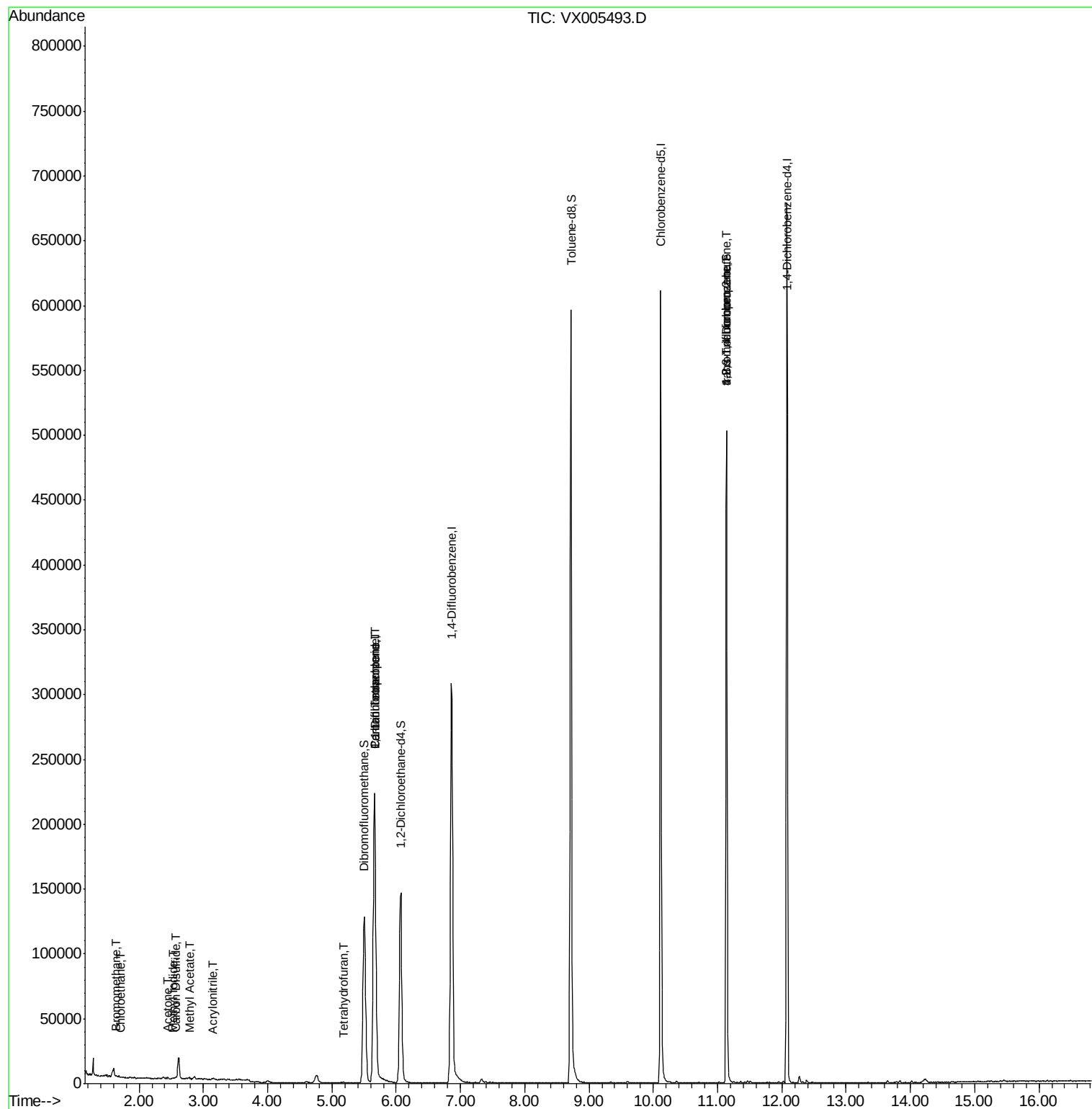
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	593	0.974	ug/l #	74
6) Chloroethane	1.70	64	27	0.350	ug/l #	44
10) Methyl Iodide	2.53	142	531	2.713	ug/l #	88
13) Acrolein	2.29	56	236	Below Cal	#	61
15) Acrylonitrile	3.15	53	646	0.393	ug/l #	89
16) Acetone	2.44	43	1074	0.722	ug/l	94
17) Carbon Disulfide	2.57	76	1267	0.206	ug/l #	78
18) Methyl Acetate	2.78	43	1137	0.269	ug/l	92
20) Methylene Chloride	2.86	84	594	Below Cal	#	88
29) Tetrahydrofuran	5.18	42	640	0.461	ug/l #	49
36) 1,1-Dichloropropene	5.67	75	16167	5.124	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21026	6.632	ug/l #	16
44) Trichloroethene	7.23	130	124	Below Cal		4
76) 1,2,3-Trichloropropane	11.14	75	63710	23.492	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	63710	71.381	ug/l #	10

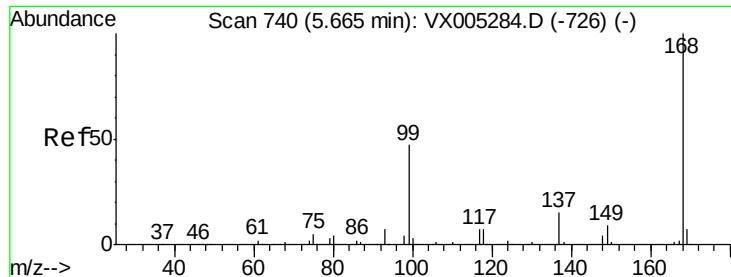
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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# 740

Delta R.T. 0.00 min

Lab File: VX005493.D

Acq: 23 Oct 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

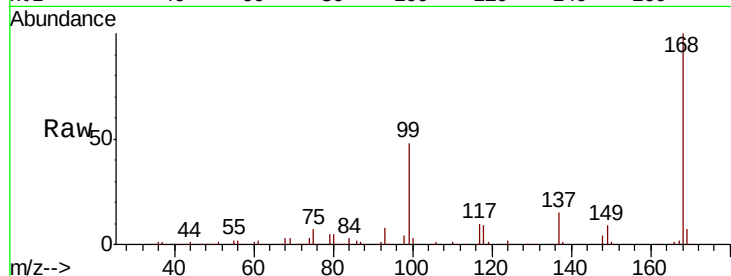
TB-2018.10.19

Tot Ion:168 Resp: 231837

Ion Ratio Lower Upper

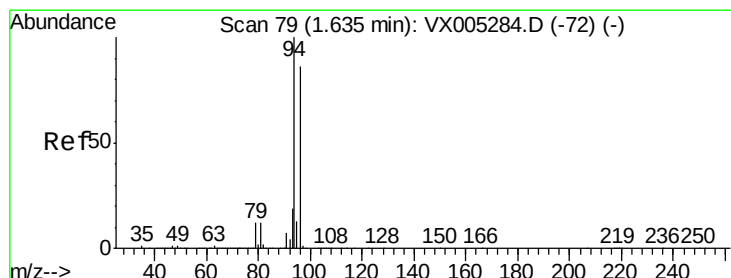
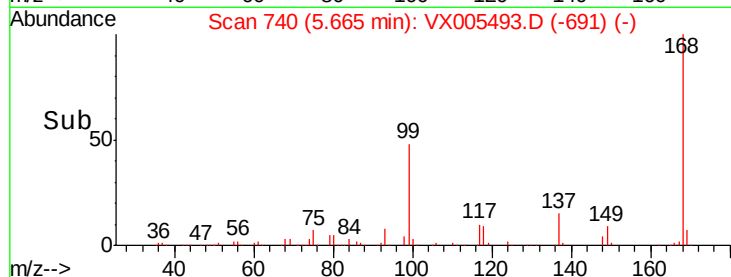
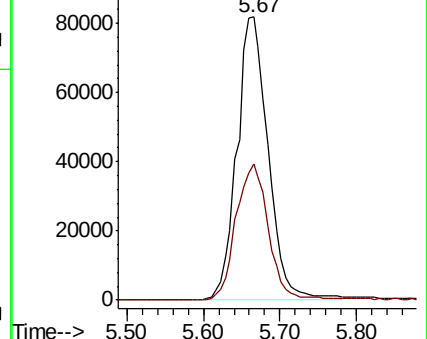
168 100

99 47.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.974 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005493.D

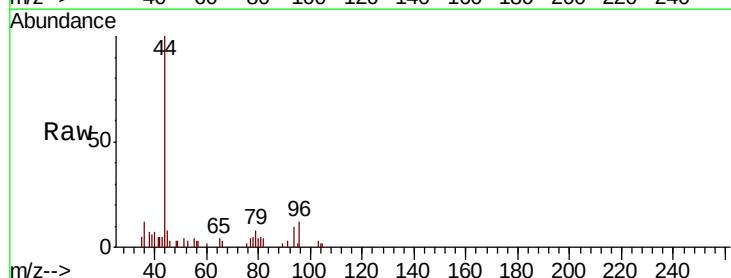
Acq: 23 Oct 2018 02:20

Tgt Ion: 94 Resp: 593

Ion Ratio Lower Upper

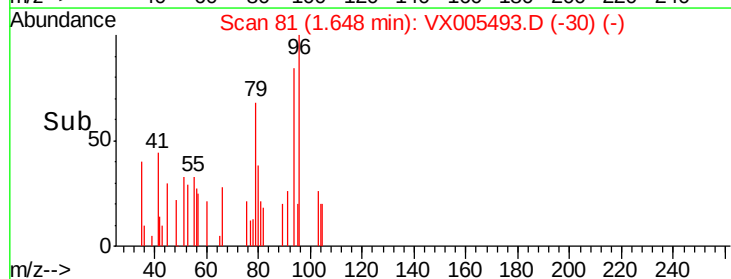
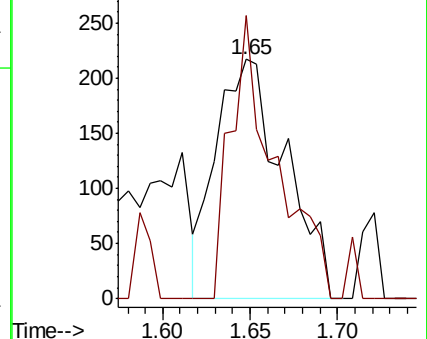
94 100

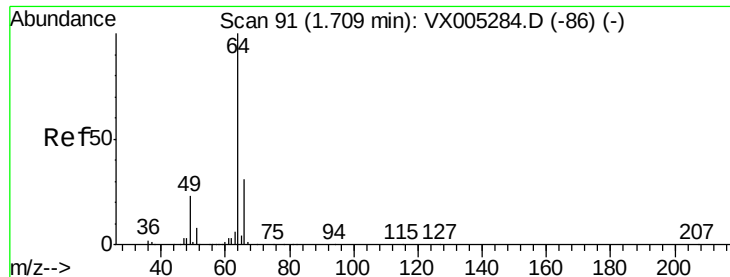
96 118.4 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.350 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005493.D

Acq: 23 Oct 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

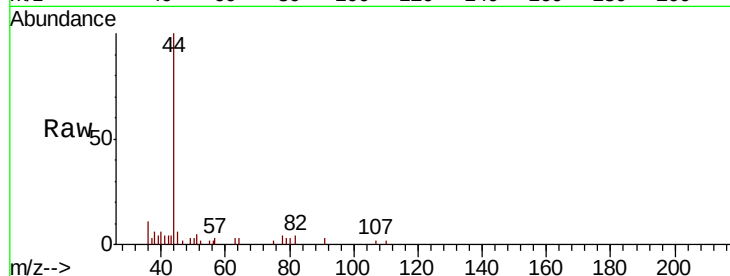
TB-2018.10.19

Tot Ion: 64 Resp: 27

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

80

60

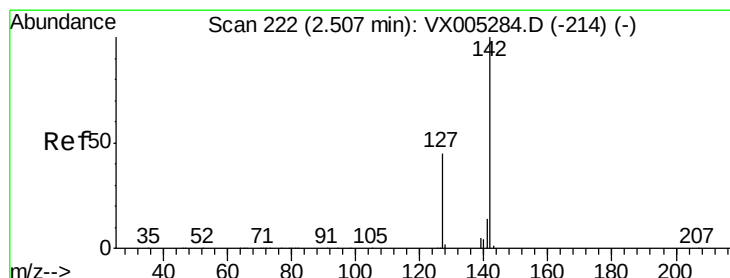
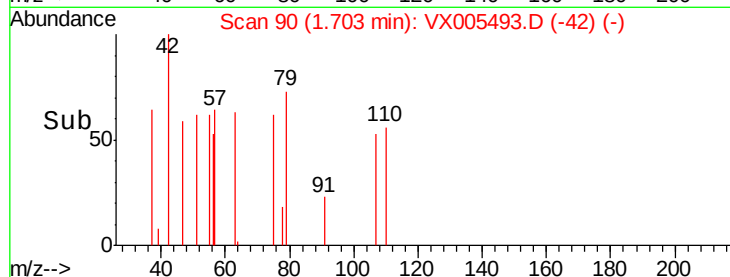
40

20

0

1.69 1.70 1.71

Time-->



#10

Methyl Iodide

Concen: 2.713 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX005493.D

Acq: 23 Oct 2018 02:20

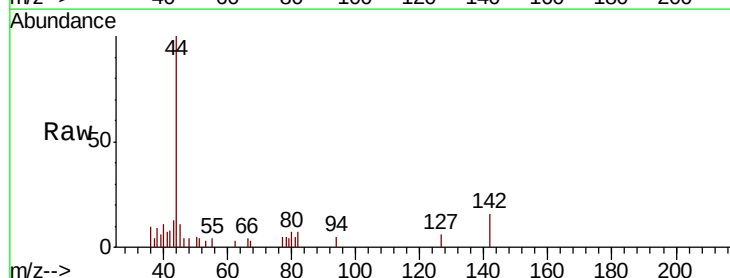
Tgt Ion: 142 Resp: 531

Ion Ratio Lower Upper

142 100

127 39.7 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

300

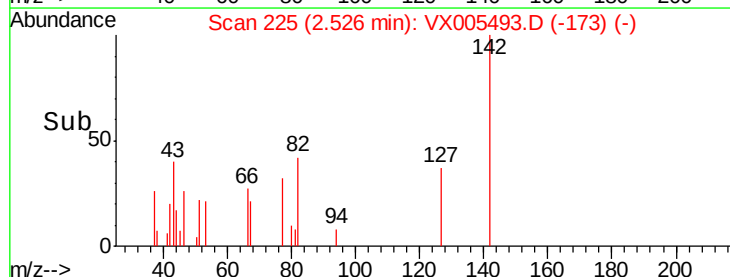
200

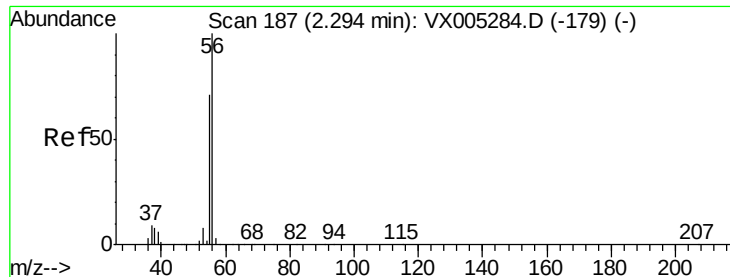
100

0

2.45 2.50 2.55

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX005493.D

Acq: 23 Oct 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

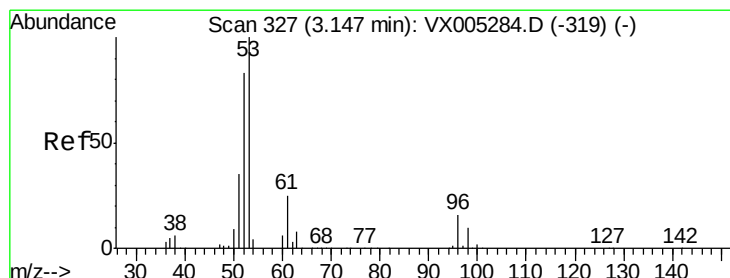
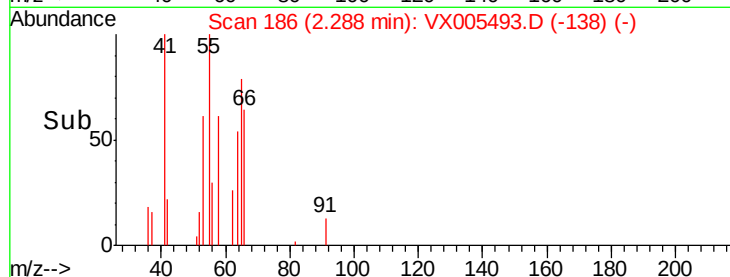
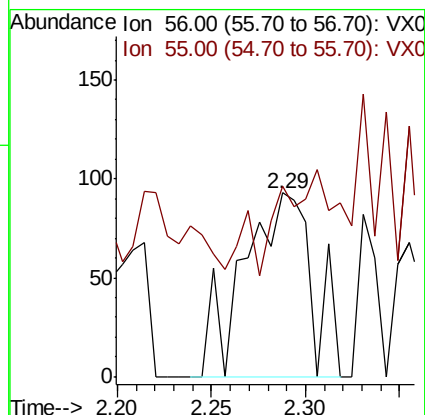
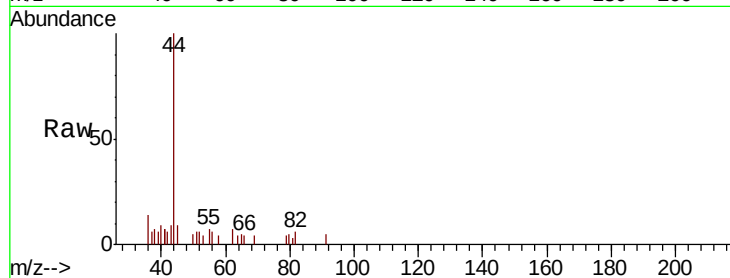
TB-2018.10.19

Tot Ion: 56 Resp: 236

Ion Ratio Lower Upper

56 100

55 36.4 54.7 82.1#



#15

Acrylonitrile

Concen: 0.393 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005493.D

Acq: 23 Oct 2018 02:20

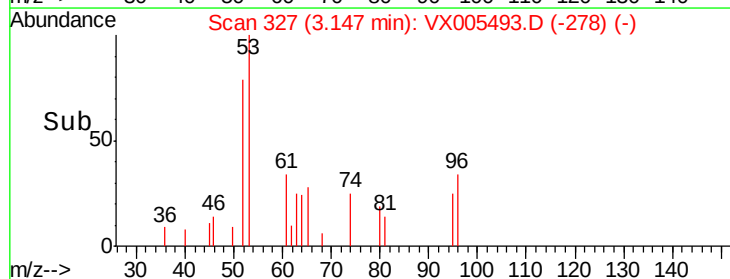
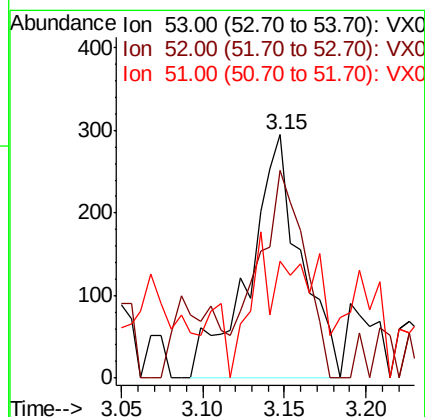
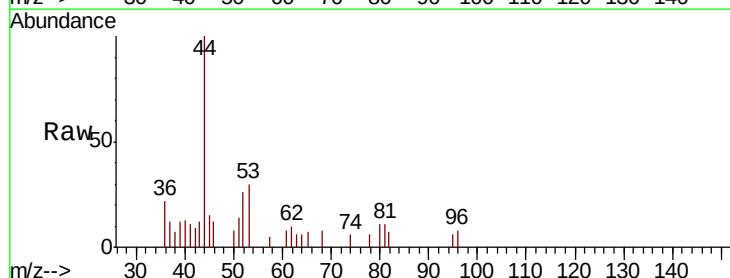
Tgt Ion: 53 Resp: 646

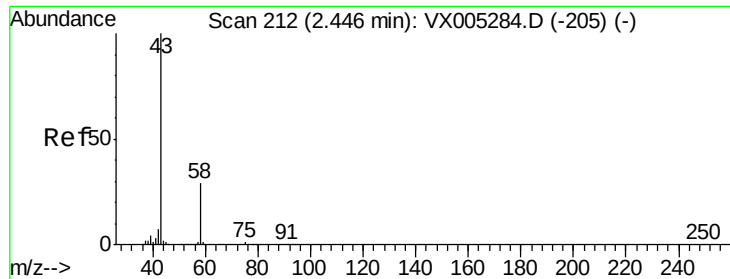
Ion Ratio Lower Upper

53 100

52 76.2 65.2 97.8

51 22.6 28.2 42.2#





#16

Acetone

Concen: 0.722 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005493.D

Acq: 23 Oct 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

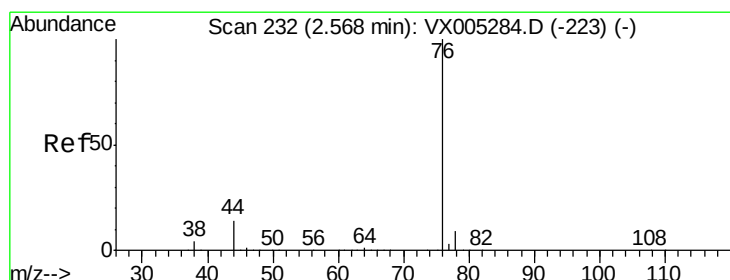
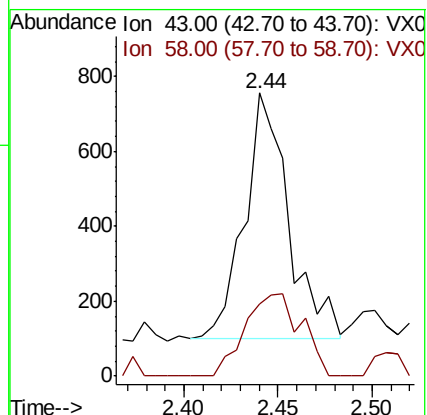
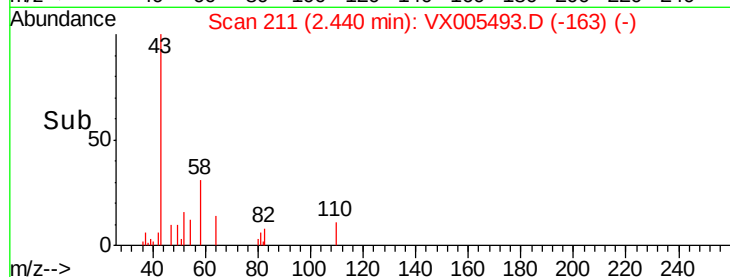
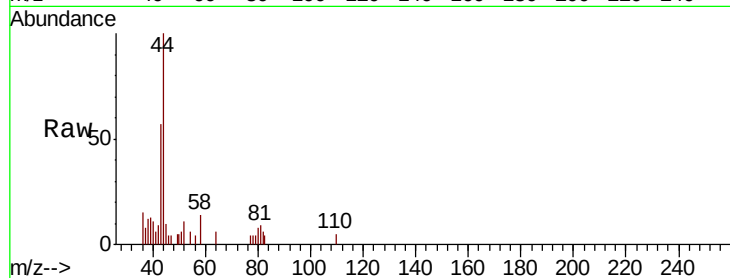
TB-2018.10.19

Tot Ion: 43 Resp: 1074

Ion Ratio Lower Upper

43 100

58 29.2 26.2 39.4



#17

Carbon Disulfide

Concen: 0.206 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005493.D

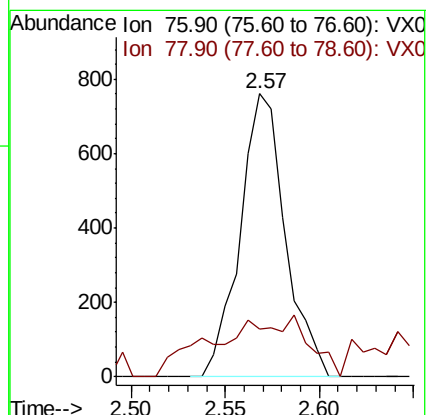
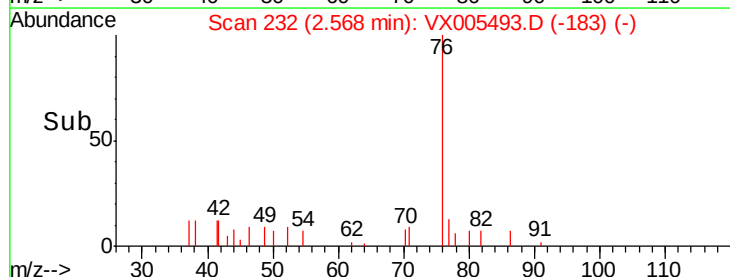
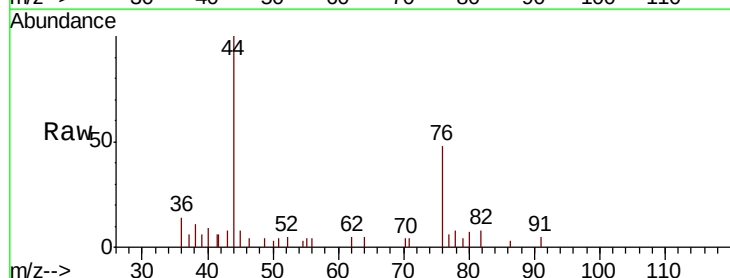
Acq: 23 Oct 2018 02:20

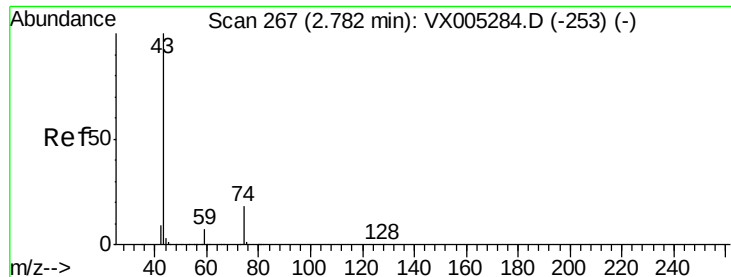
Tgt Ion: 76 Resp: 1267

Ion Ratio Lower Upper

76 100

78 16.7 7.0 10.6#

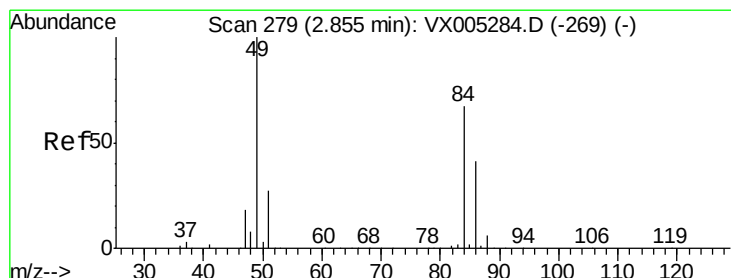
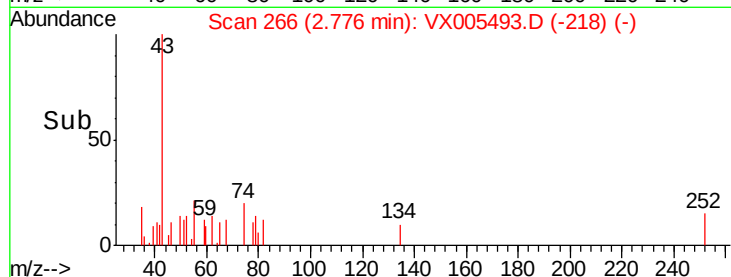
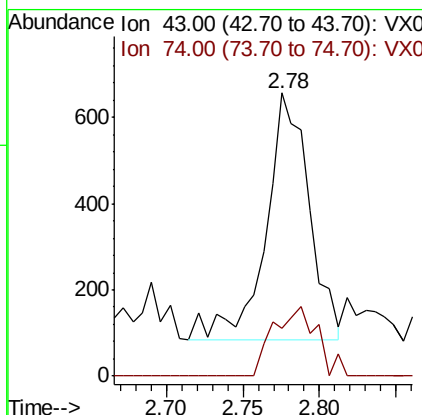
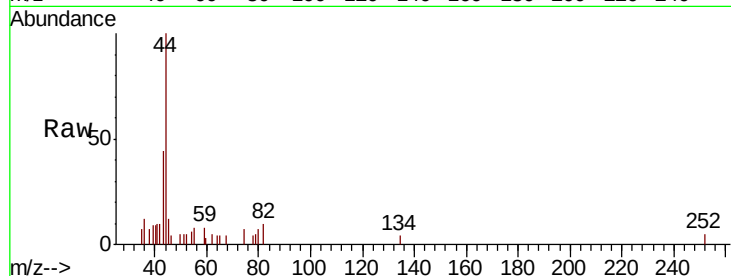




#18
Methyl Acetate
Concen: 0.269 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005493.D
Acq: 23 Oct 2018 02:20

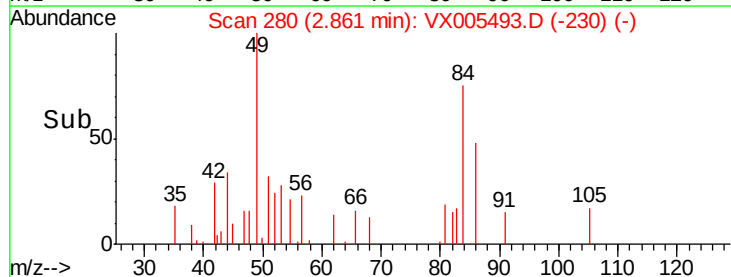
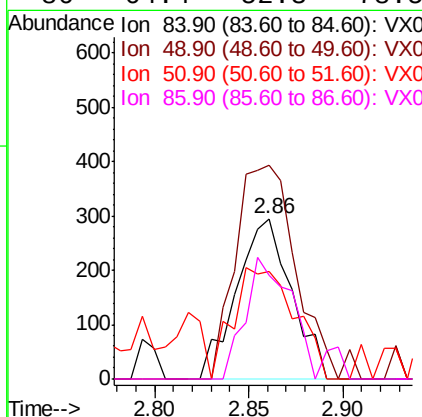
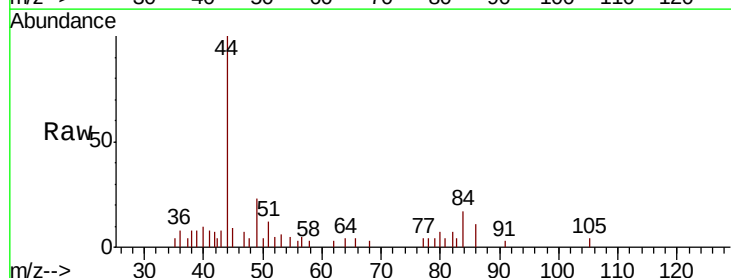
Instrument :
MSVOA_X
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TB-2018.10.19

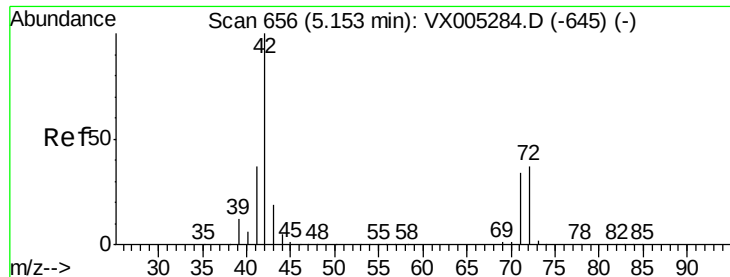
Tot Ion: 43 Resp: 1137
Ion Ratio Lower Upper
43 100
74 28.1 19.4 29.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005493.D
Acq: 23 Oct 2018 02:20

Tgt Ion: 84 Resp: 594
Ion Ratio Lower Upper
84 100
49 133.2 101.2 151.8
51 67.1 29.5 44.3#
86 64.4 52.3 78.5





#29

Tetrahydrofuran

Concen: 0.461 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX005493.D

Acq: 23 Oct 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

TB-2018.10.19

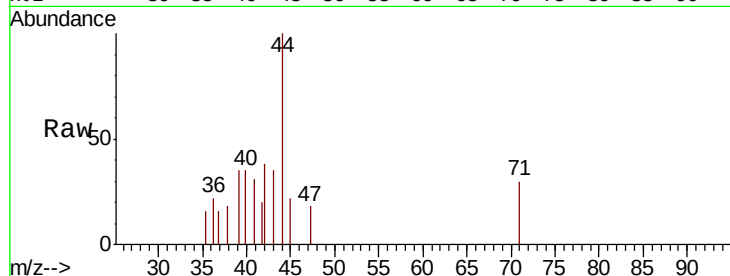
Tot Ion: 42 Resp: 640

Ion Ratio Lower Upper

42 100

72 7.2 37.4 56.0#

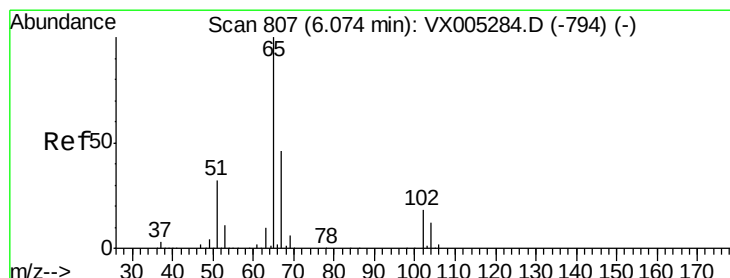
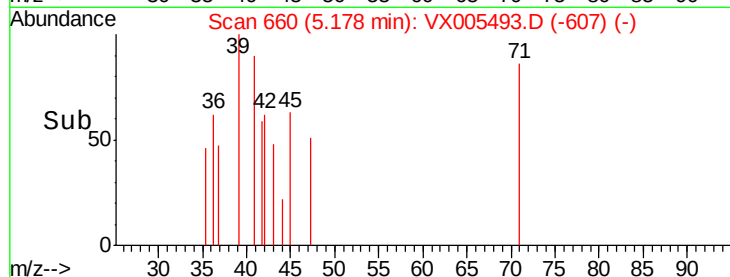
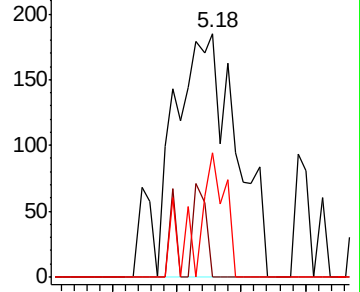
71 16.3 34.5 51.7#



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



#33

1,2-Dichloroethane-d4

Concen: 55.679 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX005493.D

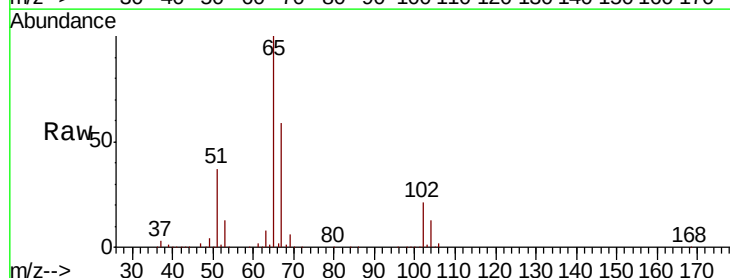
Acq: 23 Oct 2018 02:20

Tgt Ion: 65 Resp: 143264

Ion Ratio Lower Upper

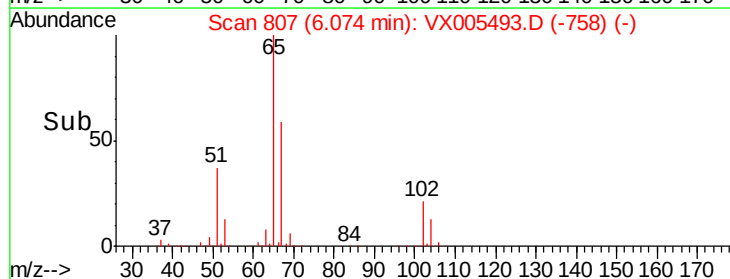
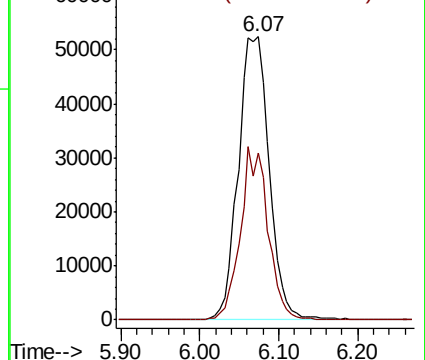
65 100

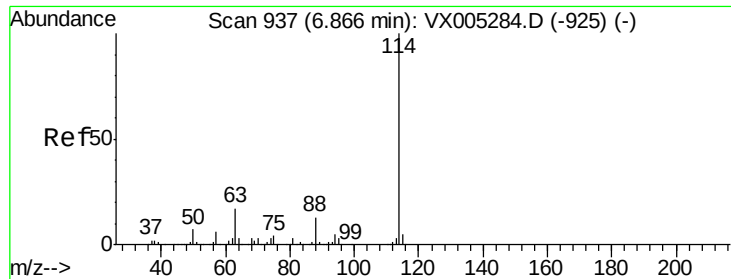
67 54.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

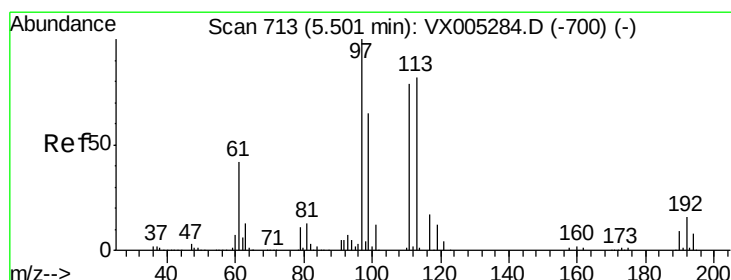
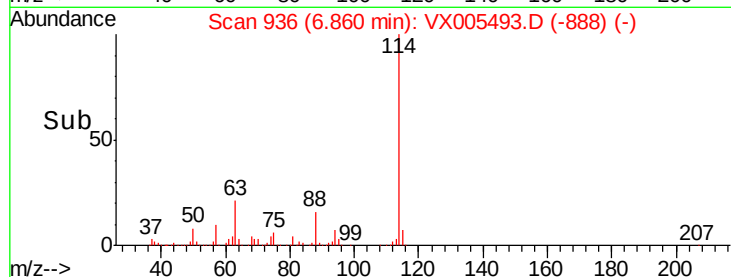
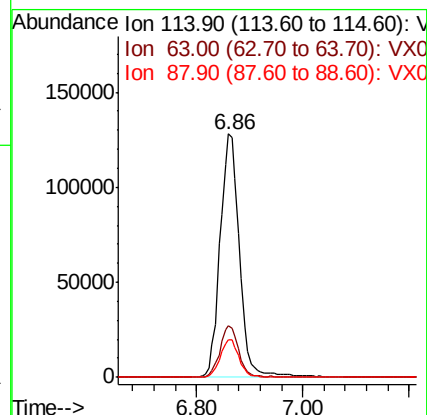
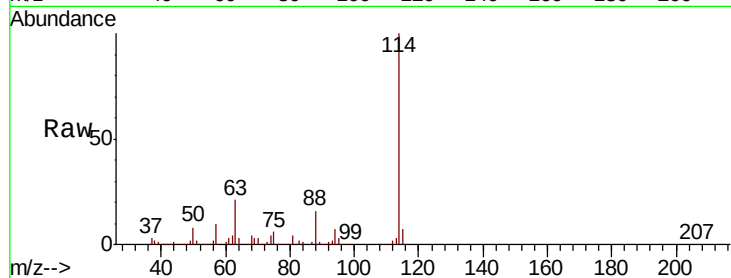




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005493.D
 Acq: 23 Oct 2018 02:20

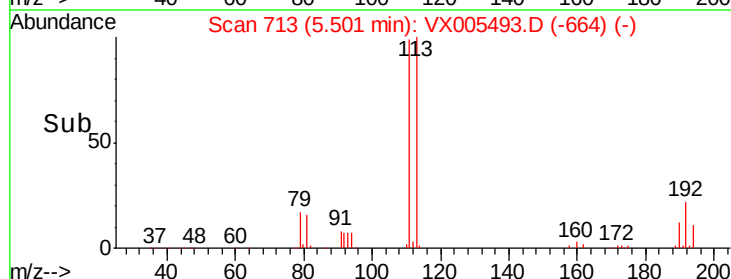
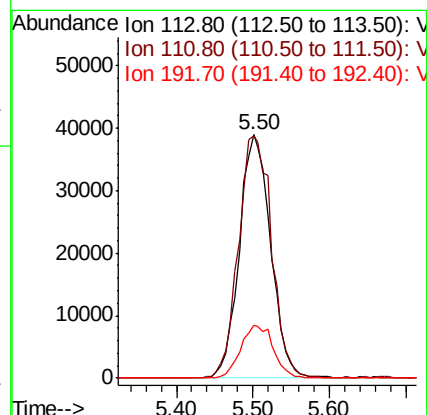
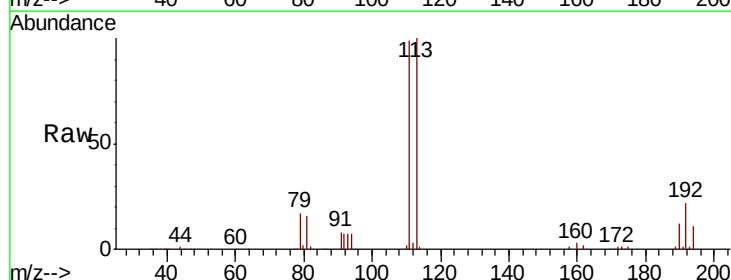
Instrument :
 MSVOA_X
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 TB-2018.10.19

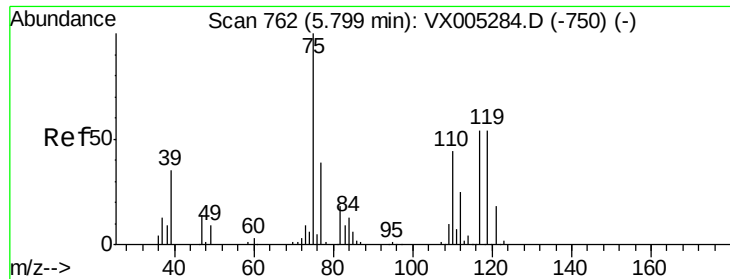
Tot Ion:114 Resp: 325784
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 39.0
 88 15.7 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 51.303 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005493.D
 Acq: 23 Oct 2018 02:20

Tgt Ion:113 Resp: 110700
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.4 123.6
 192 22.7 19.4 29.2

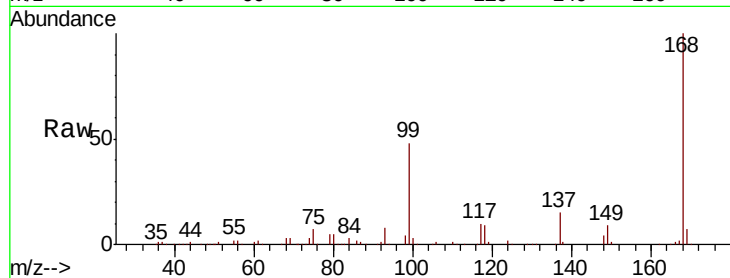




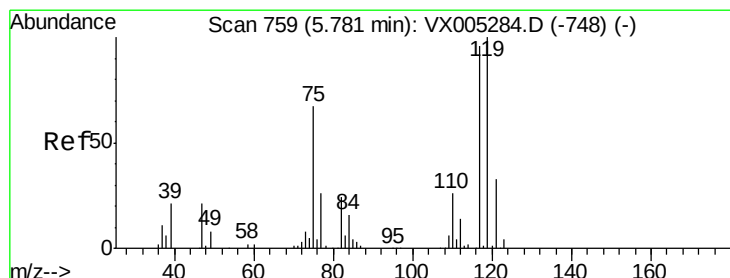
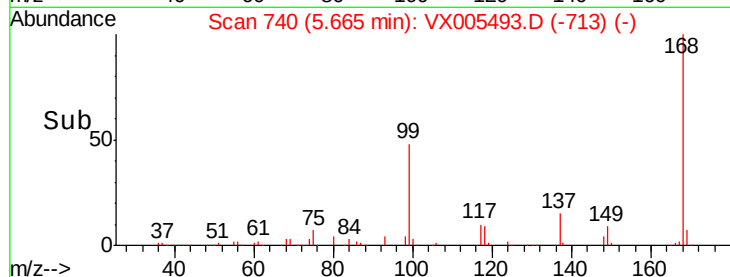
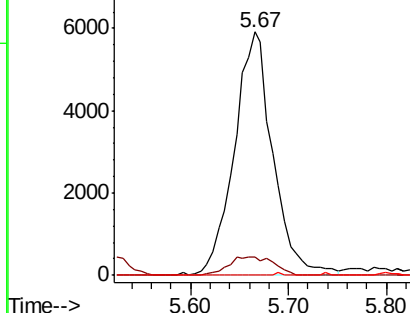
#36
 1,1-Dichloropropene
 Concen: 5.124 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005493.D
 Acq: 23 Oct 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-2018.10.19

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.0	54.0#
77	0.0	24.6	36.8#

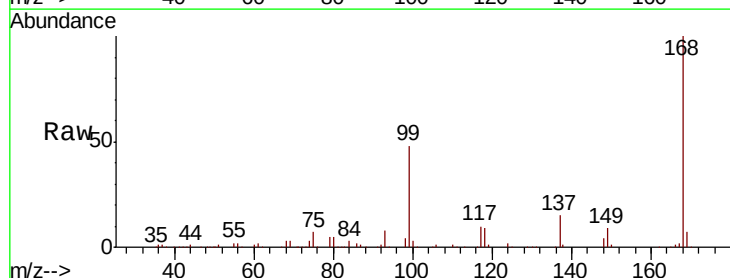


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

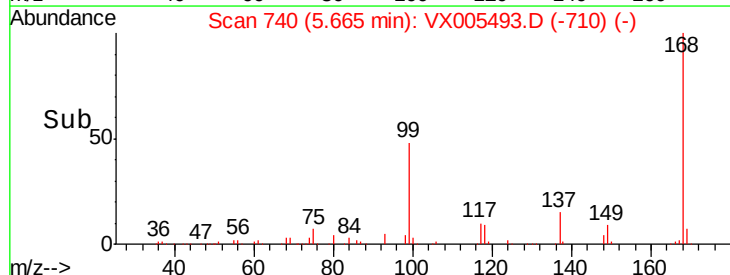
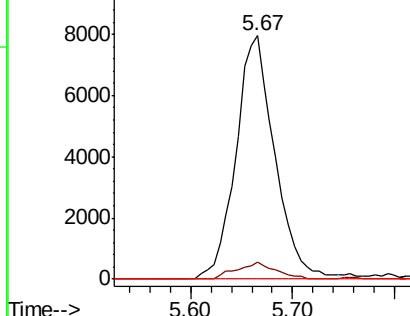


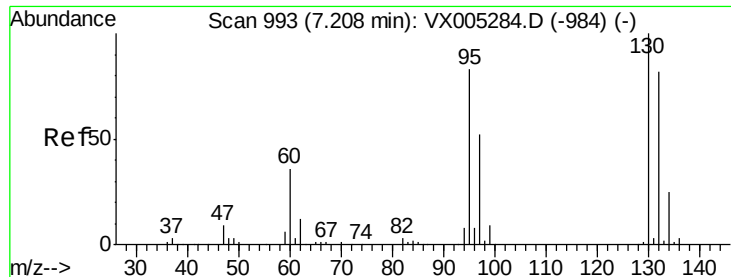
#38
 Carbon Tetrachloride
 Concen: 6.632 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005493.D
 Acq: 23 Oct 2018 02:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	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





#44

Trichloroethene

Concen: Below Cal

RT: 7.23 min Scan# 996

Delta R.T. 0.02 min

Lab File: VX005493.D

Acq: 23 Oct 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

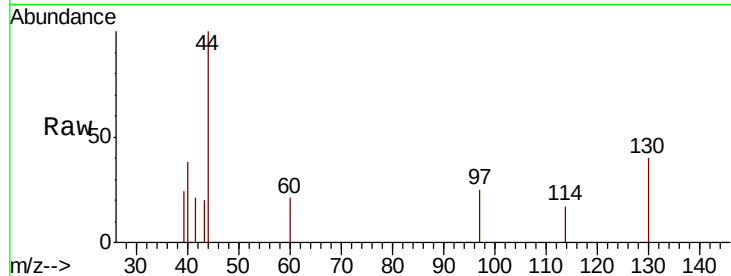
TB-2018.10.19

Tot Ion:130 Resp: 124

Ion Ratio Lower Upper

130 100

95 0.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.23

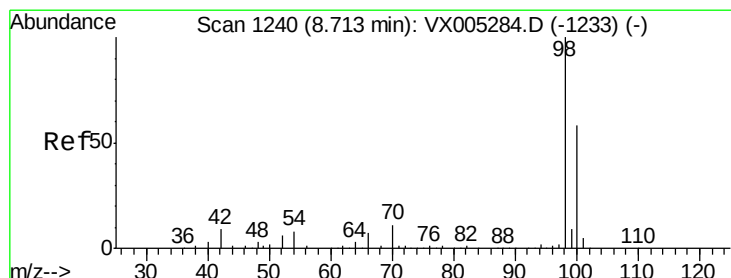
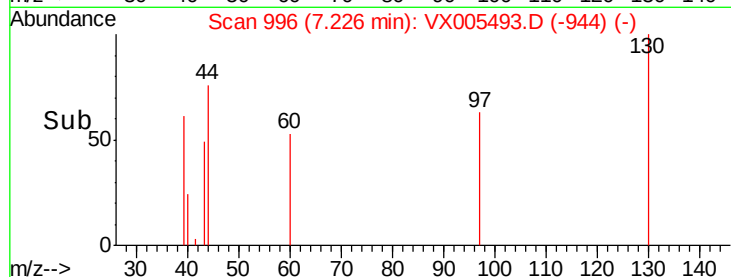
100

50

0

Time-->

7.20 7.22 7.24



#50

Toluene-d8

Concen: 51.672 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX005493.D

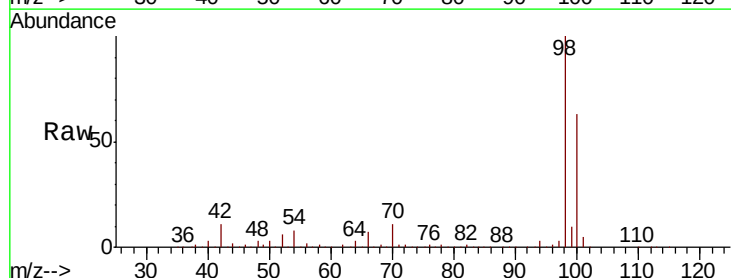
Acq: 23 Oct 2018 02:20

Tgt Ion: 98 Resp: 382770

Ion Ratio Lower Upper

98 100

100 62.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

250000

200000

150000

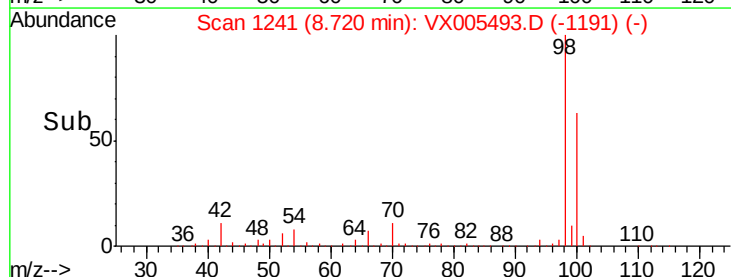
100000

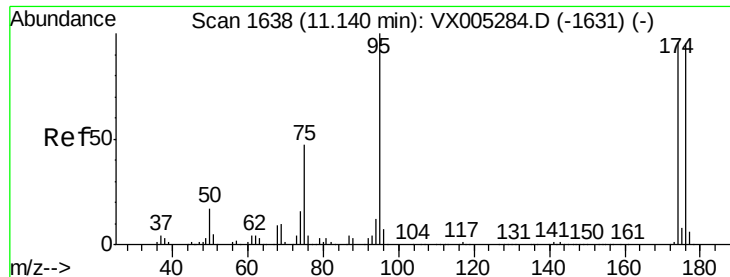
50000

0

Time-->

8.60 8.70 8.80 8.90

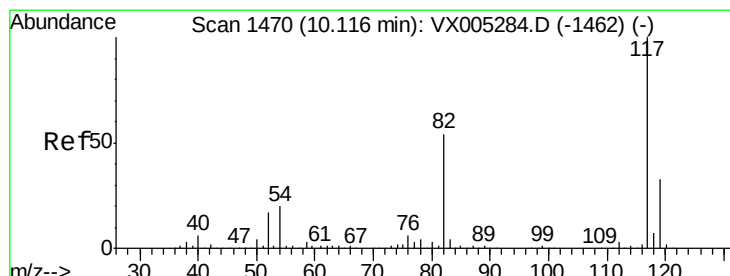
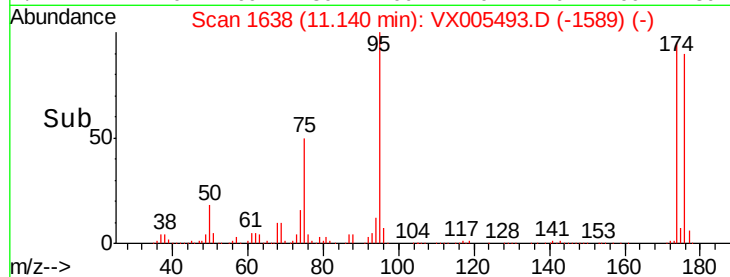
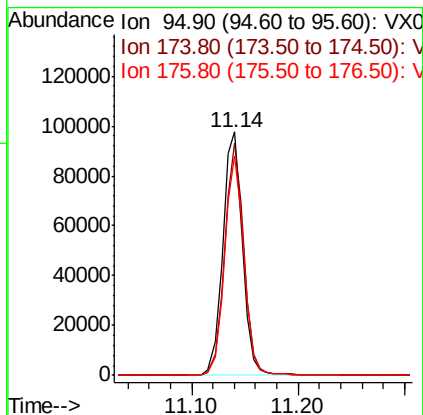
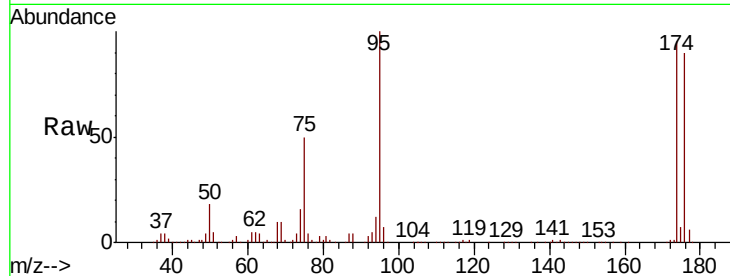




#62
4-Bromofluorobenzene
Concen: 45.318 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005493.D
Acq: 23 Oct 2018 02:20

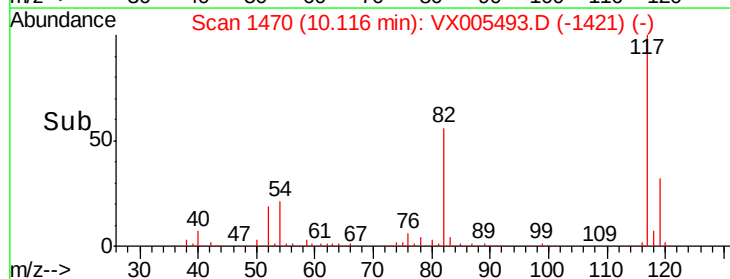
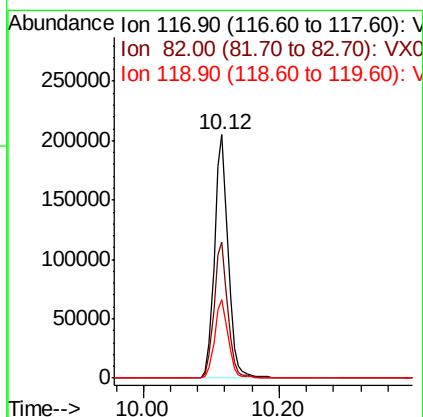
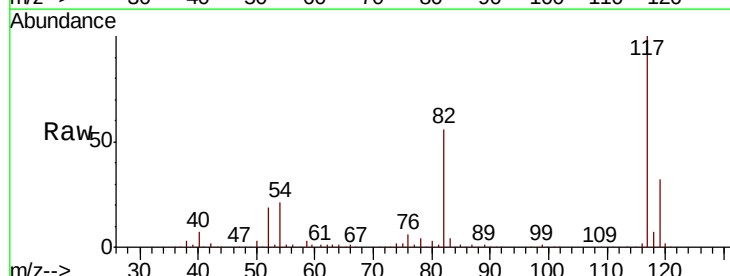
Instrument :
MSVOA_X
ClientSampleId :
TB-2018.10.19

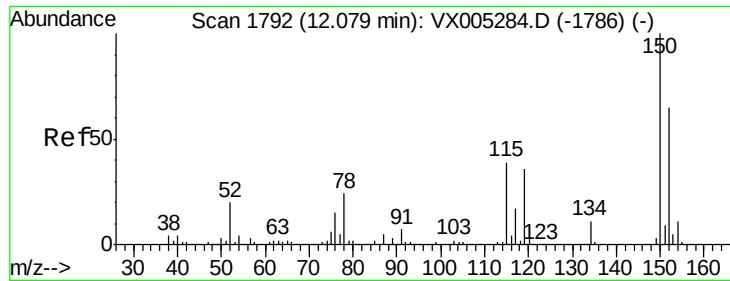
Tot Ion: 95 Resp: 126111
Ion Ratio Lower Upper
95 100
174 93.6 0.0 185.2
176 88.8 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005493.D
Acq: 23 Oct 2018 02:20

Tgt Ion: 117 Resp: 286118
Ion Ratio Lower Upper
117 100
82 56.1 47.8 71.6
119 32.1 29.3 43.9



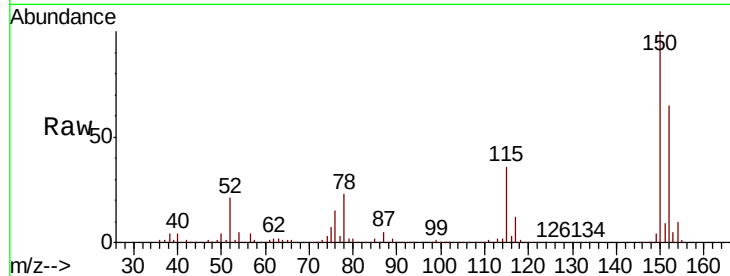


#72

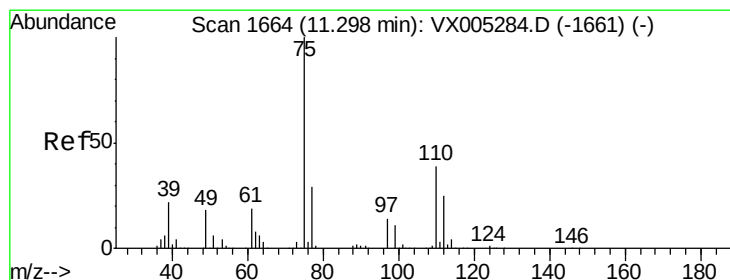
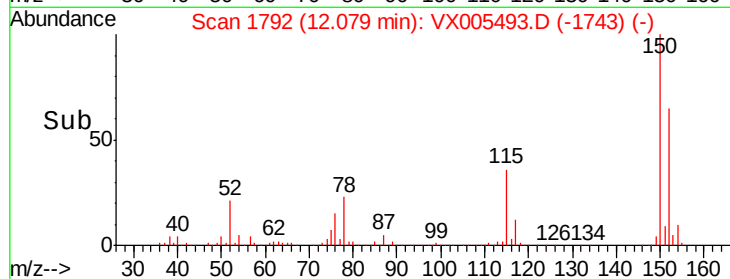
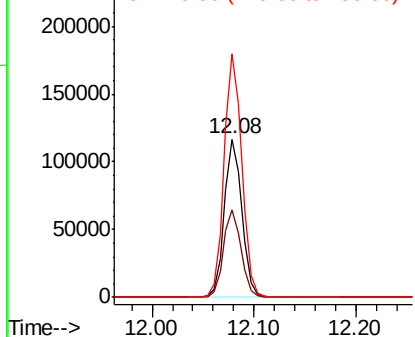
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005493.D
Acq: 23 Oct 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
TB-2018.10.19

Tot Ion:152 Resp: 139811
Ion Ratio Lower Upper
152 100
115 55.6 39.0 117.0
150 155.6 0.0 351.0



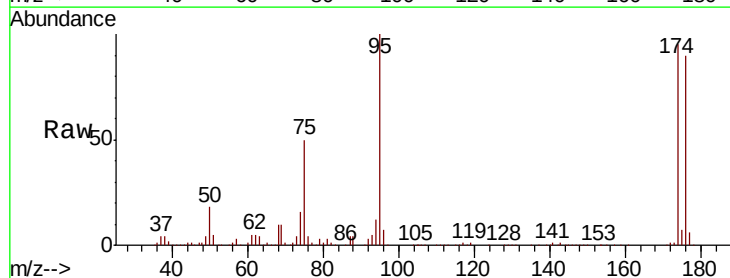
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



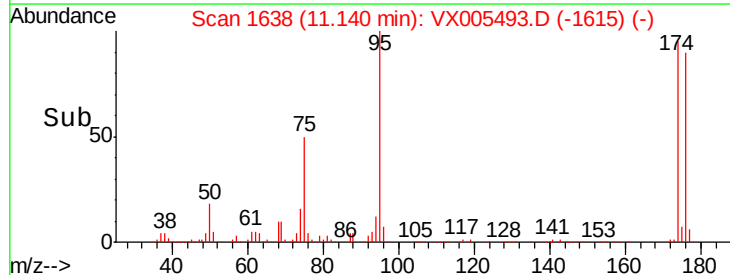
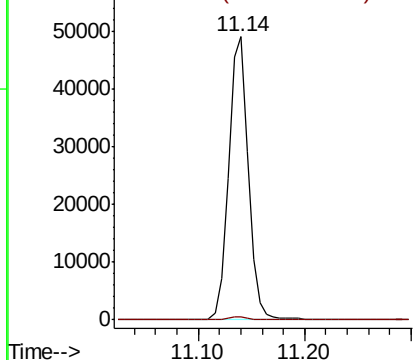
#76

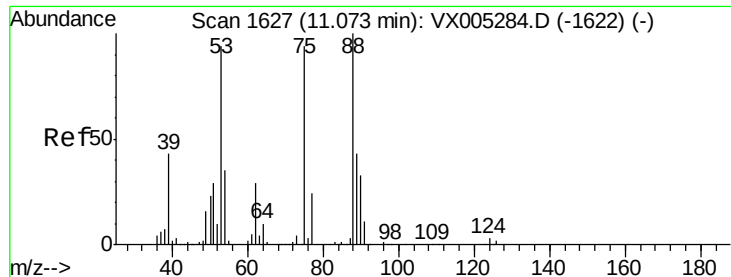
1,2,3-Trichloropropane
Concen: 23.492 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005493.D
Acq: 23 Oct 2018 02:20

Tgt Ion: 75 Resp: 63710
Ion Ratio Lower Upper
75 100
77 1.2 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: 71.381 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005493.D

Acq: 23 Oct 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

TB-2018.10.19

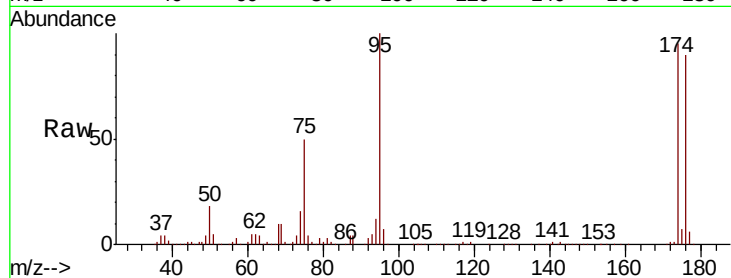
Tot Ion: 75 Resp: 63710

Ion Ratio Lower Upper

75 100

53 0.3 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

