

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102518\
 Data File : VX005592.D
 Acq On : 25 Oct 2018 16:30
 Operator : JC/MD
 Sample : J5665-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-2018-10-24

Quant Time: Oct 26 05:23:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	211608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	306104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	272177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128014	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	131278	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
35) Dibromofluoromethane	5.50	113	102756	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	8.71	98	365075	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.14	95	119176	42.37	ug/l	0.00
Spiked Amount			Recovery	=	84.74%	

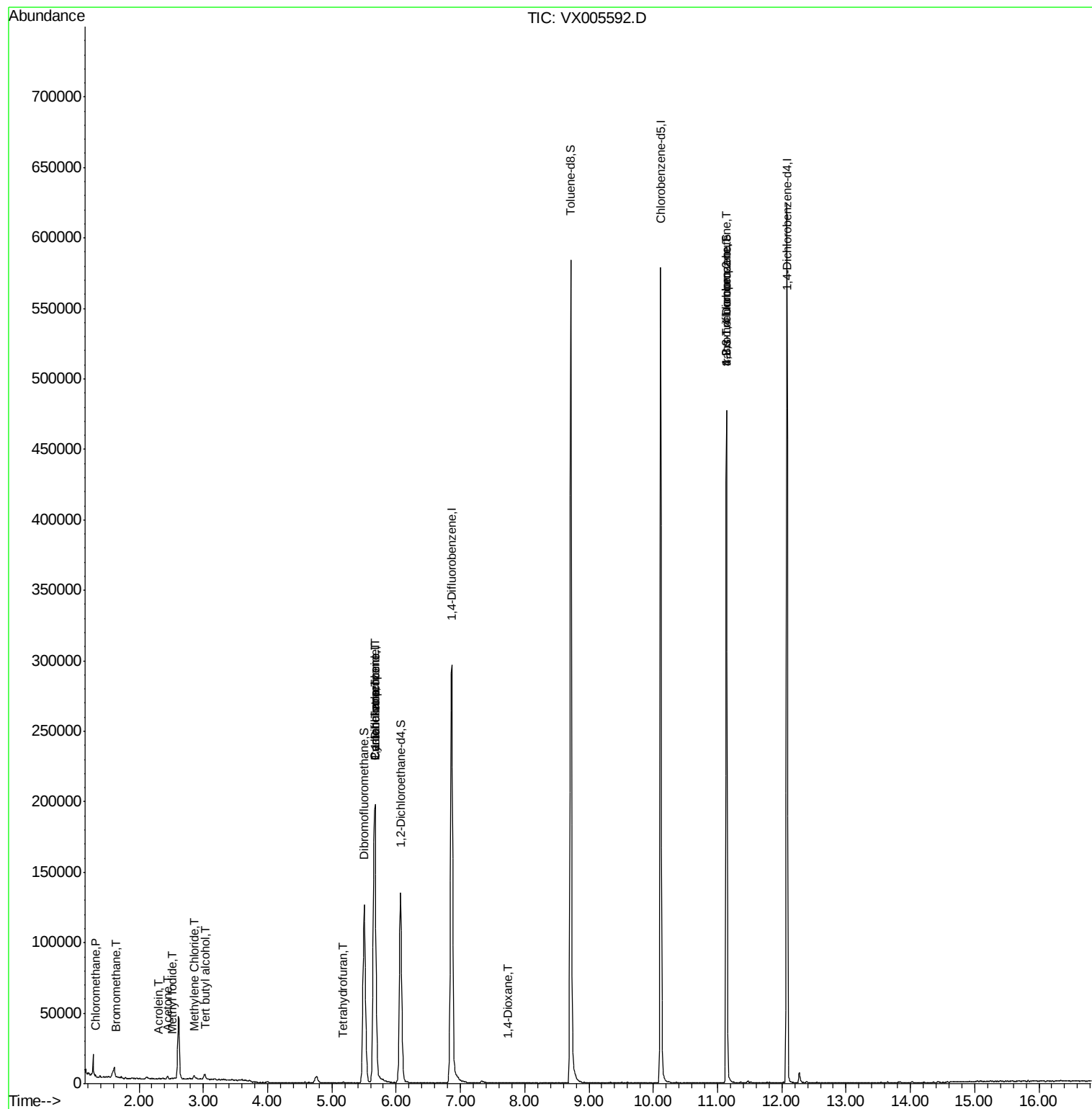
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	555	0.209	ug/l #	70
5) Bromomethane	1.65	94	501	0.308	ug/l #	77
10) Methyl Iodide	2.52	142	447	2.919	ug/l #	93
11) Tert butyl alcohol	3.02	59	2341	3.368	ug/l #	74
13) Acrolein	2.30	56	153	0.432	ug/l #	38
16) Acetone	2.45	43	1816	1.330	ug/l	93
18) Methyl Acetate	2.78	43	432	Below Cal	#	30
20) Methylene Chloride	2.85	84	878	0.384	ug/l #	93
29) Tetrahydrofuran	5.17	42	349	0.258	ug/l #	57
31) Cyclohexane	5.66	56	4031	1.158	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14261	4.801	ug/l #	49
38) Carbon Tetrachloride	5.66	117	18675	5.969	ug/l #	17
49) 1,4-Dioxane	7.73	88	19	0.314	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	60606	22.345	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	60606	73.012	ug/l #	9

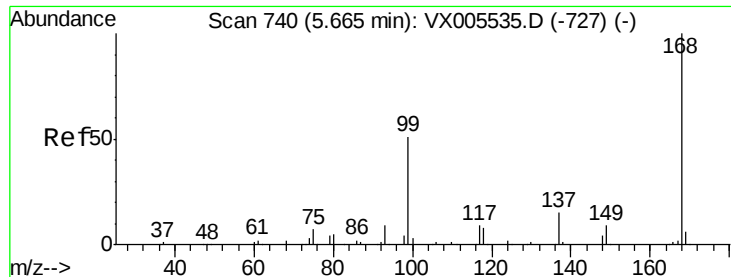
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 26 05:23:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
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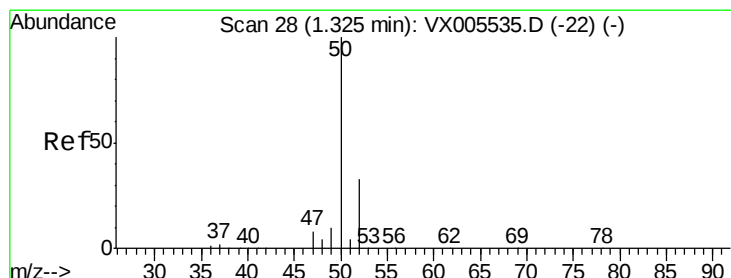
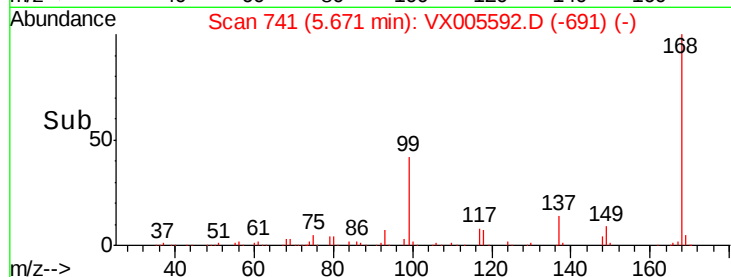
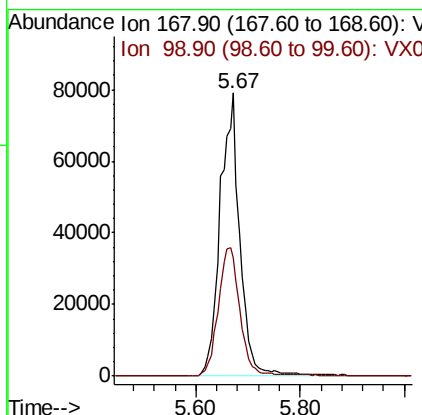
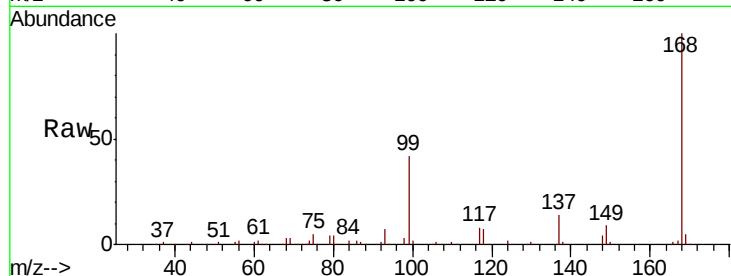




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.01 min
Lab File: VX005592.D
Acq: 25 Oct 2018 16:30

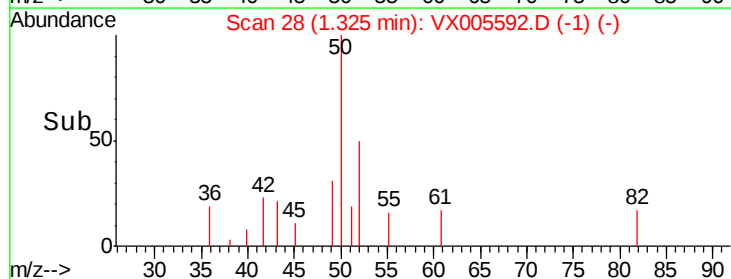
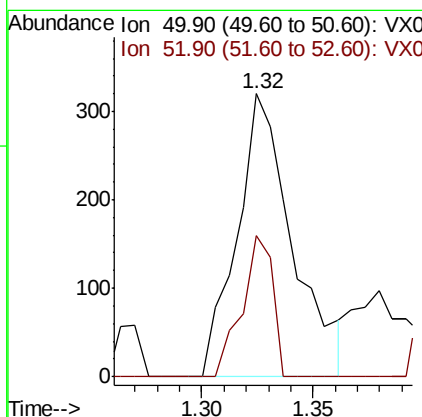
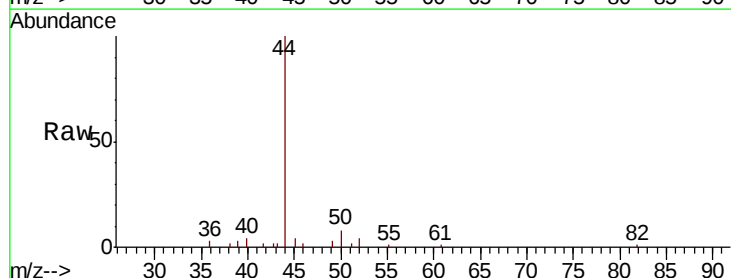
Instrument :
MSVOA_X
ClientSampled :
TB-2018-10-24

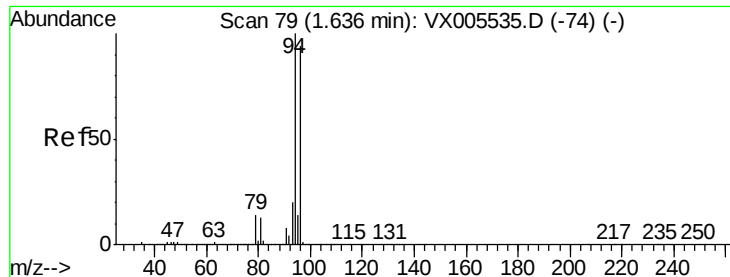
Tot Ion:168 Resp: 211608
Ion Ratio Lower Upper
168 100
99 42.0 40.7 61.1



#3
Chloromethane
Concen: 0.209 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX005592.D
Acq: 25 Oct 2018 16:30

Tgt Ion: 50 Resp: 555
Ion Ratio Lower Upper
50 100
52 49.7 26.2 39.2#





#5

Bromomethane

Concen: 0.308 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005592.D

Acq: 25 Oct 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

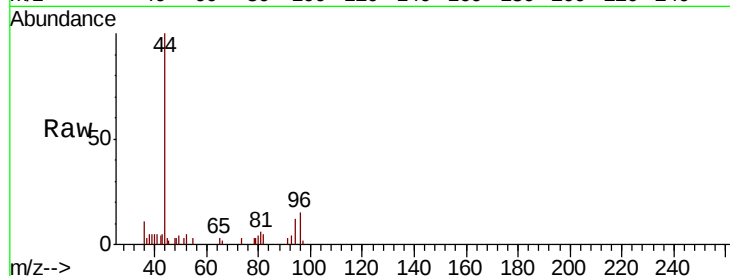
TB-2018-10-24

Tot Ion: 94 Resp: 501

Ion Ratio Lower Upper

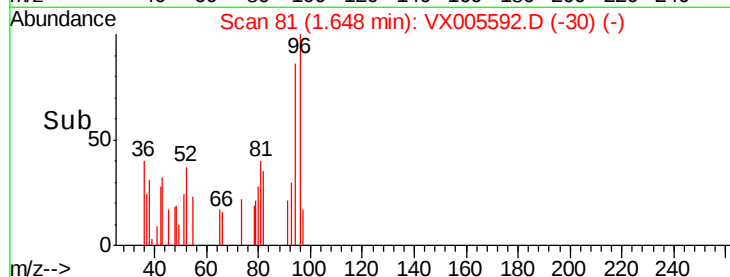
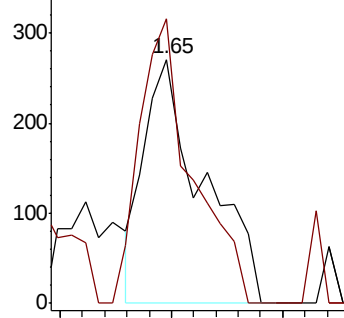
94 100

96 116.6 75.2 112.8#

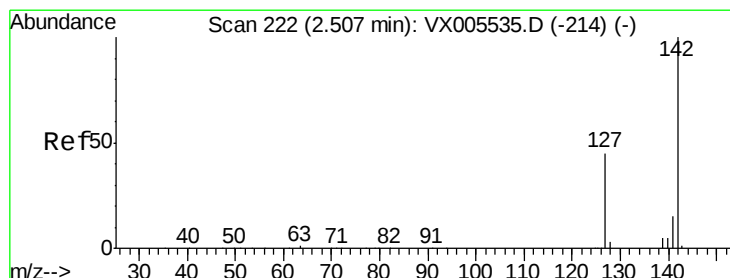


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time--> 1.60 1.65 1.70



#10

Methyl Iodide

Concen: 2.919 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005592.D

Acq: 25 Oct 2018 16:30

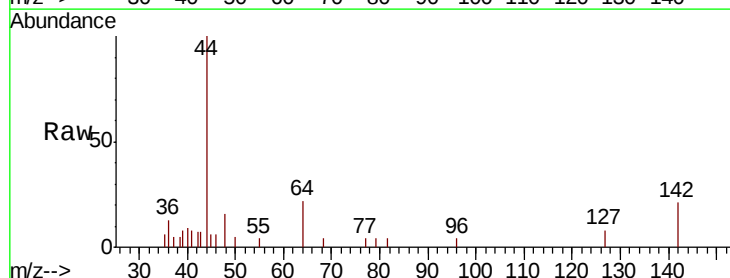
Tgt Ion: 142 Resp: 447

Ion Ratio Lower Upper

142 100

127 47.4 36.0 54.0

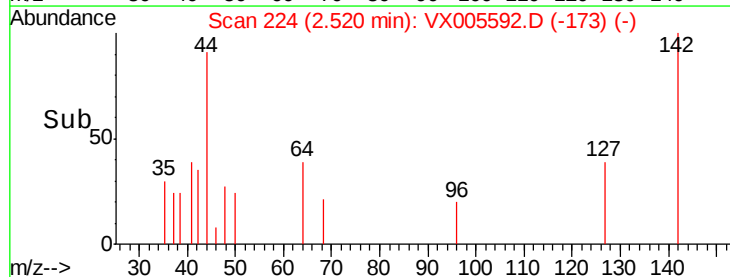
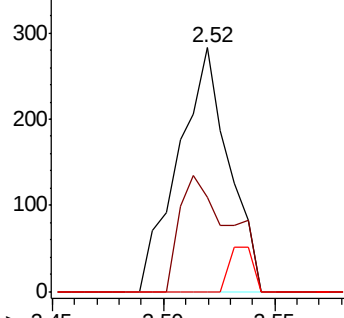
141 8.3 11.7 17.5#



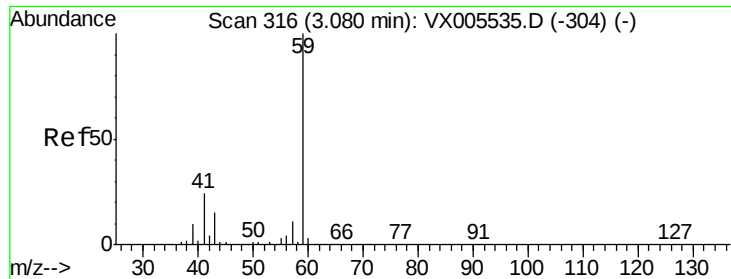
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



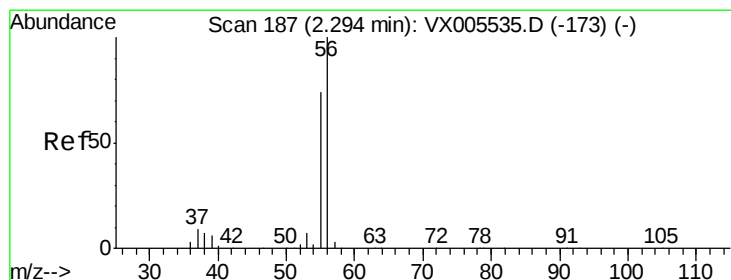
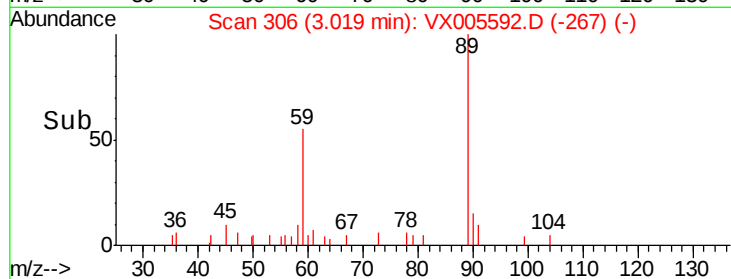
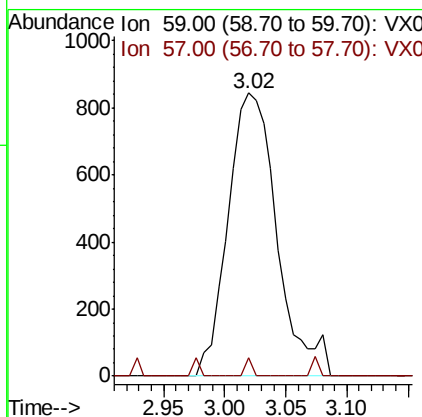
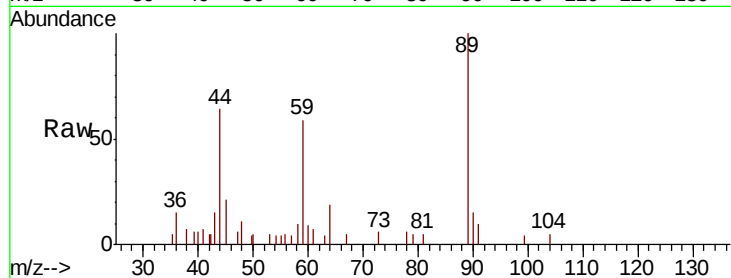
Time--> 2.45 2.50 2.55



#11
Tert butyl alcohol
Concen: 3.368 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005592.D
Acq: 25 Oct 2018 16:30

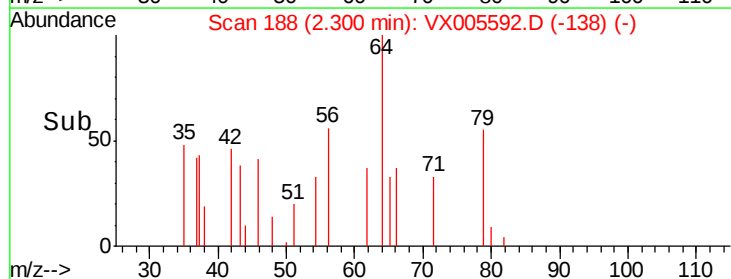
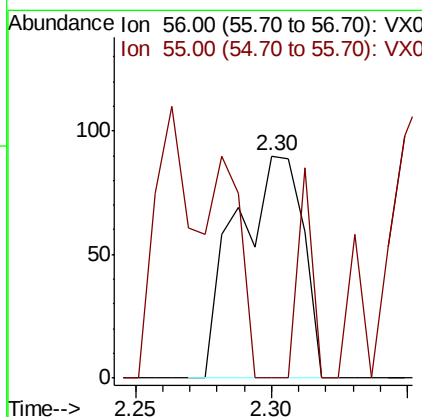
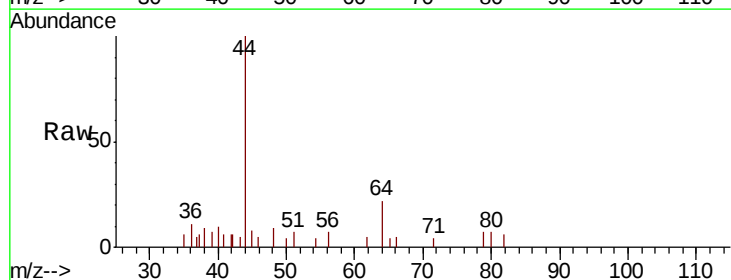
Instrument :
MSVOA_X
ClientSampleId :
TB-2018-10-24

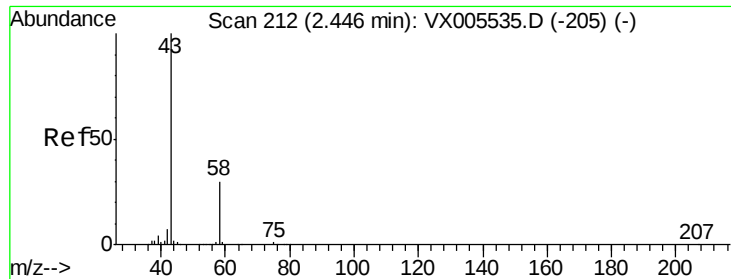
Tot Ion: 59 Resp: 2341
Ion Ratio Lower Upper
59 100
57 0.9 8.5 12.7#



#13
Acrolein
Concen: 0.432 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX005592.D
Acq: 25 Oct 2018 16:30

Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 20.3 57.3 85.9#





#16

Acetone

Concen: 1.330 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005592.D

Acq: 25 Oct 2018 16:30

Instrument :

MSVOA_X

ClientSampled :

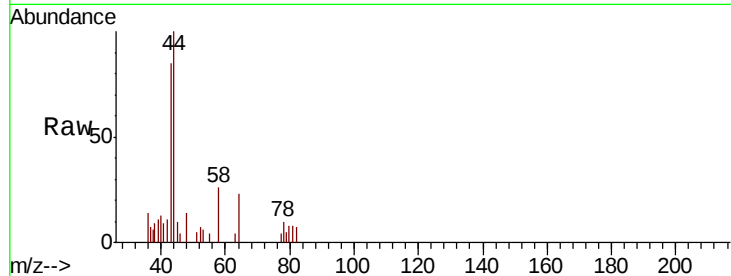
TB-2018-10-24

Tot Ion: 43 Resp: 1816

Ion Ratio Lower Upper

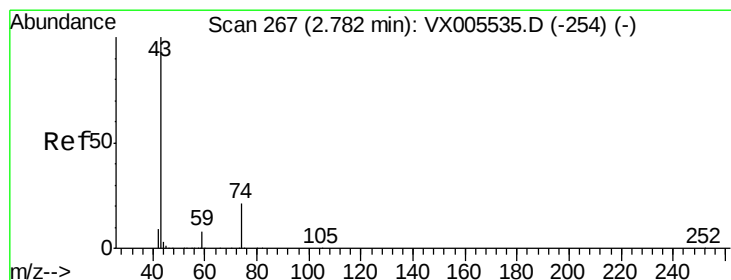
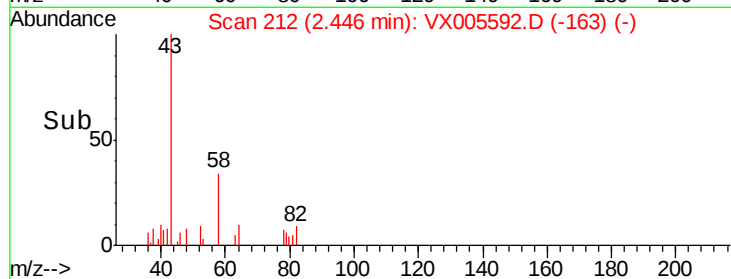
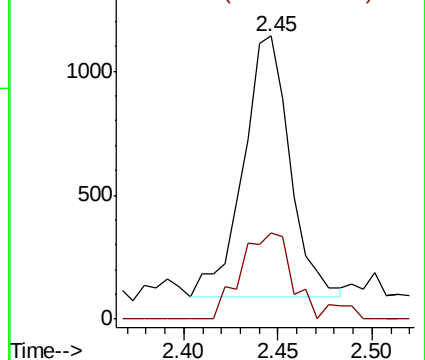
43 100

58 33.3 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005592.D

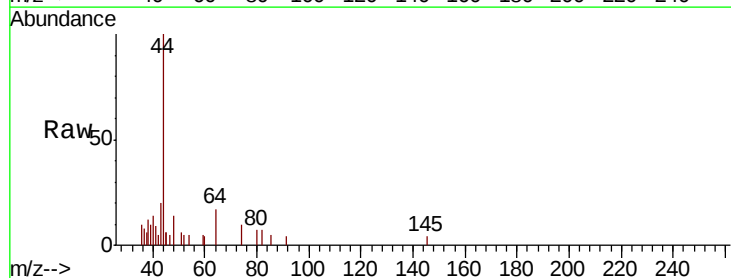
Acq: 25 Oct 2018 16:30

Tgt Ion: 43 Resp: 432

Ion Ratio Lower Upper

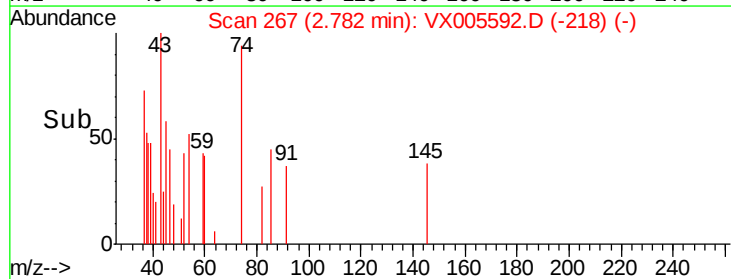
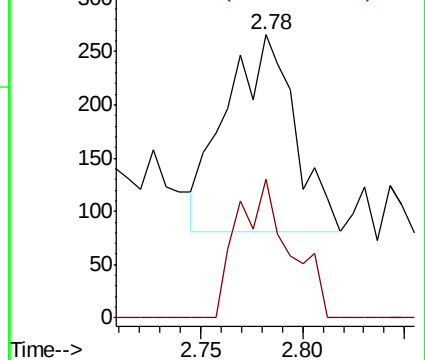
43 100

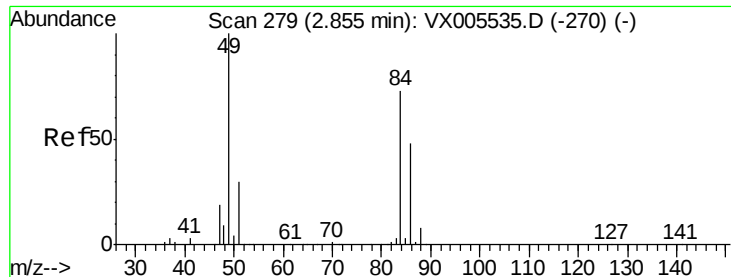
74 53.7 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.384 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005592.D

Acq: 25 Oct 2018 16:30

Instrument :

MSVOA_X

ClientSampled :

TB-2018-10-24

Tot Ion: 84 Resp: 878

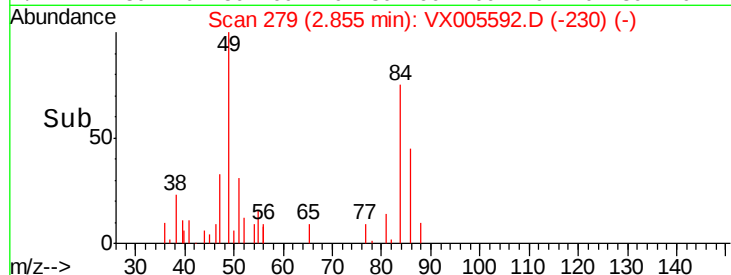
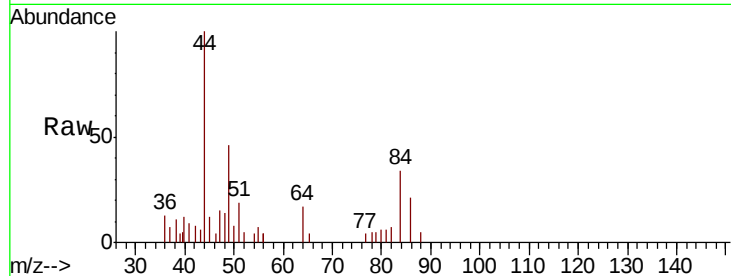
Ion Ratio Lower Upper

84 100

49 133.8 109.5 164.3

51 56.0 33.3 49.9#

86 60.8 52.7 79.1

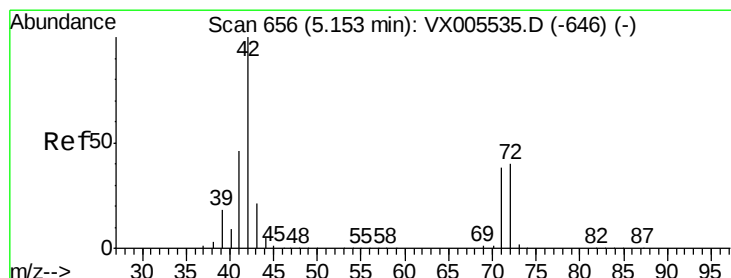
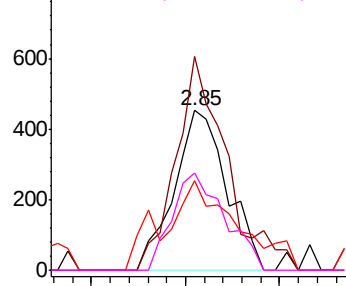


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 0.258 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005592.D

Acq: 25 Oct 2018 16:30

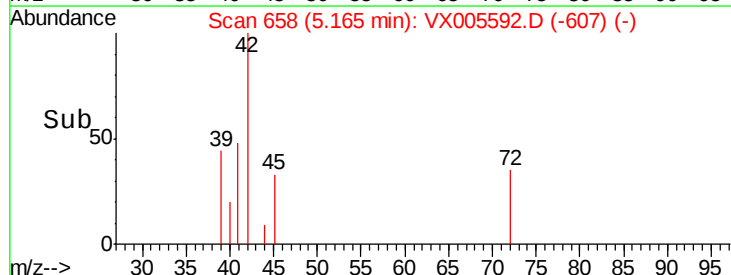
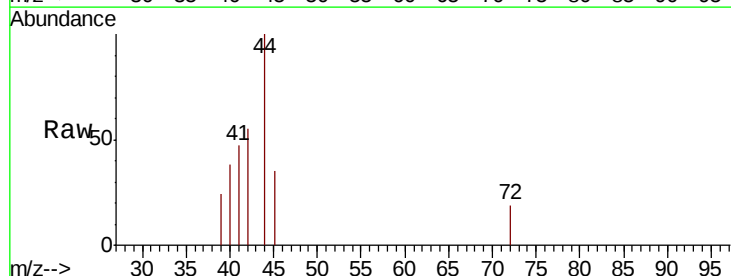
Tgt Ion: 42 Resp: 349

Ion Ratio Lower Upper

42 100

72 11.5 32.0 48.0#

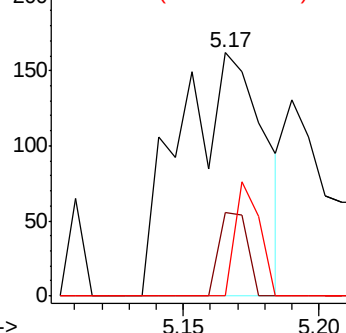
71 13.5 29.8 44.8#

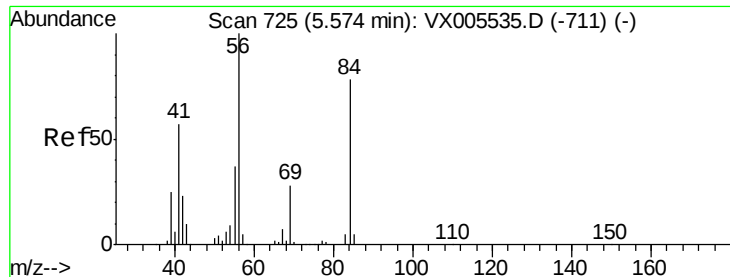


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

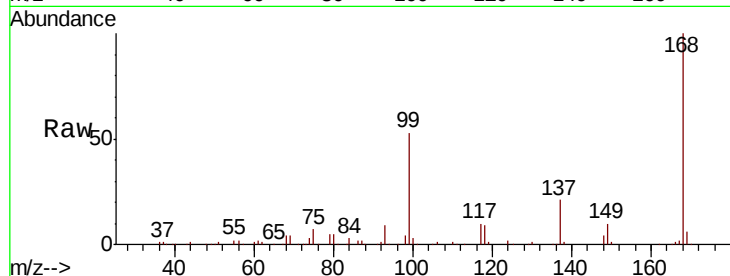




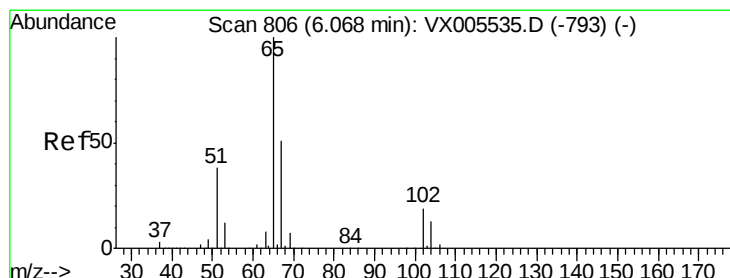
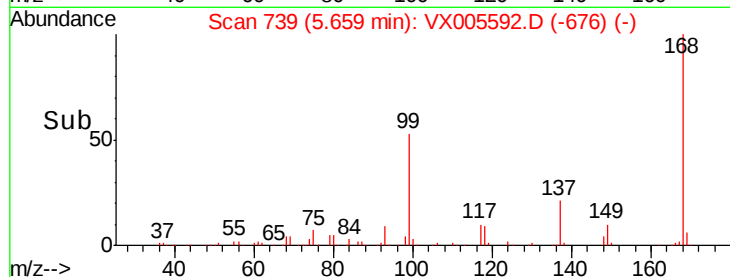
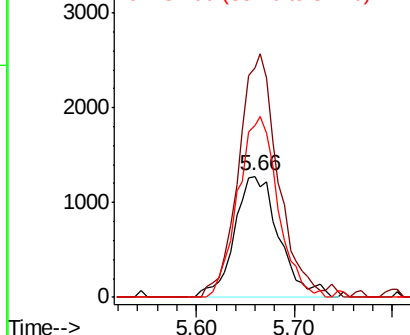
#31
Cyclohexane
Concen: 1.158 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005592.D
Acq: 25 Oct 2018 16:30

Instrument :
MSVOA_X
ClientSampleId :
TB-2018-10-24

Tot Ion: 56 Resp: 4031
Ion Ratio Lower Upper
56 100
69 189.3 22.6 34.0#
84 142.1 62.7 94.1#

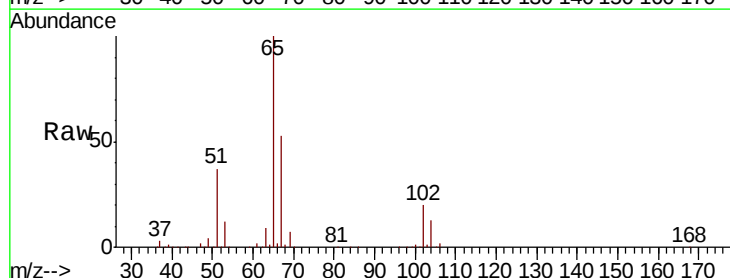


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

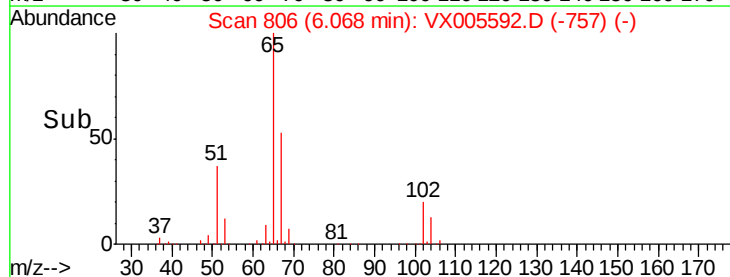
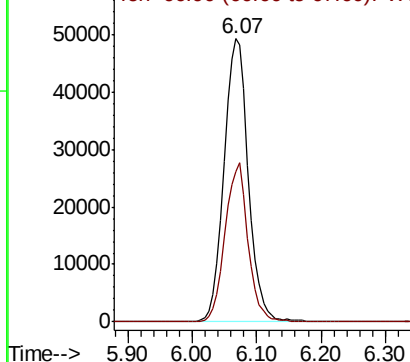


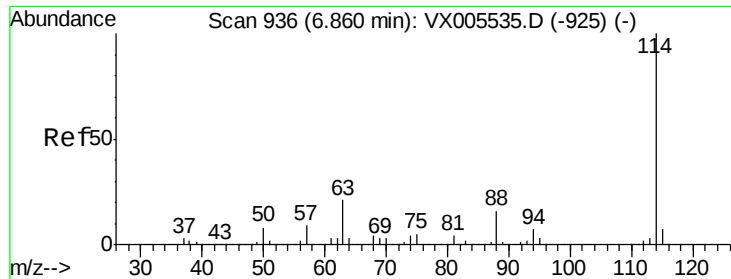
#33
1,2-Dichloroethane-d4
Concen: 50.822 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005592.D
Acq: 25 Oct 2018 16:30

Tgt Ion: 65 Resp: 131278
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.0



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

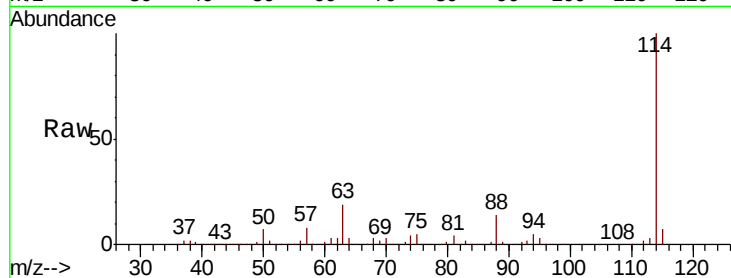




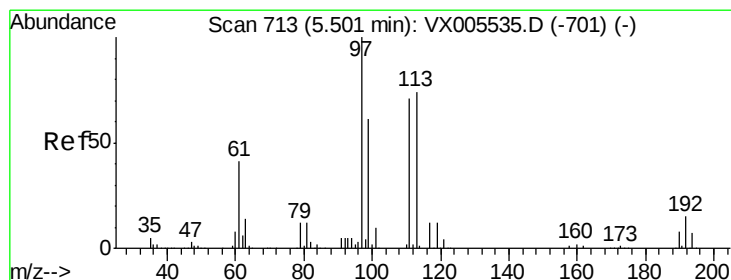
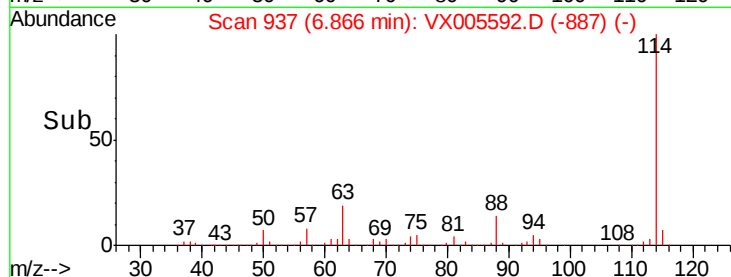
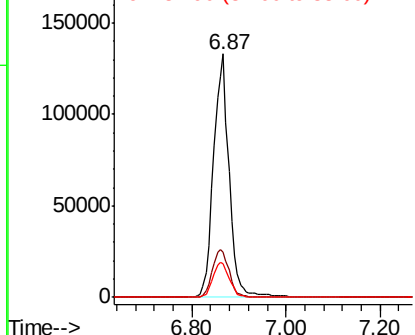
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX005592.D
Acq: 25 Oct 2018 16:30

Instrument :
MSVOA_X
ClientSampleId :
TB-2018-10-24

Tot Ion:114 Resp: 306104
Ion Ratio Lower Upper
114 100
63 18.5 0.0 42.8
88 14.1 0.0 31.2

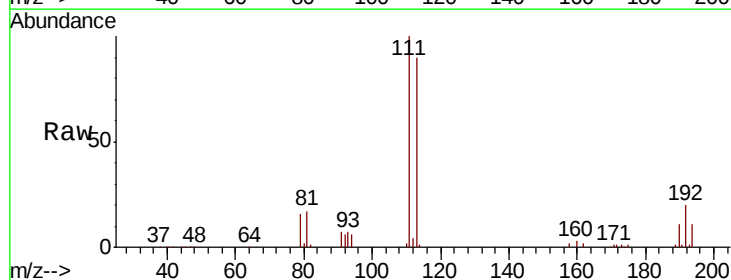


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

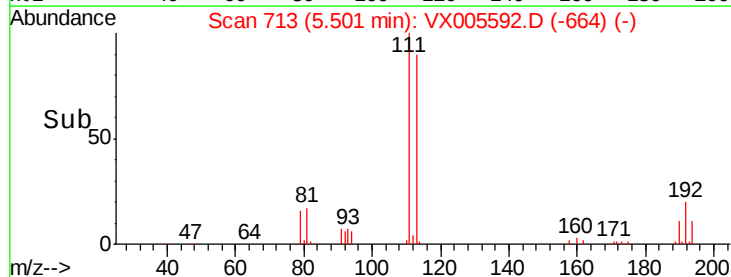
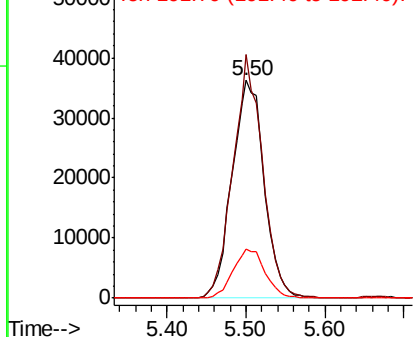


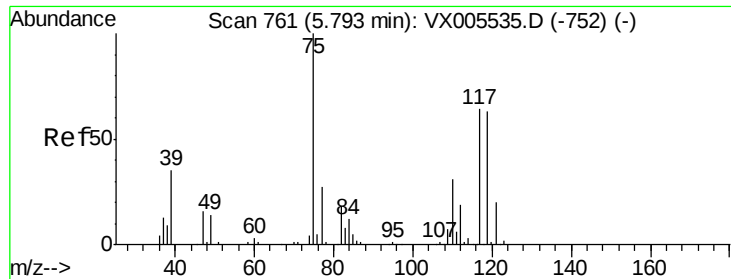
#35
Dibromofluoromethane
Concen: 49.576 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005592.D
Acq: 25 Oct 2018 16:30

Tgt Ion:113 Resp: 102756
Ion Ratio Lower Upper
113 100
111 102.6 82.3 123.5
192 22.6 17.9 26.9



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: 4.801 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005592.D

Acq: 25 Oct 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

TB-2018-10-24

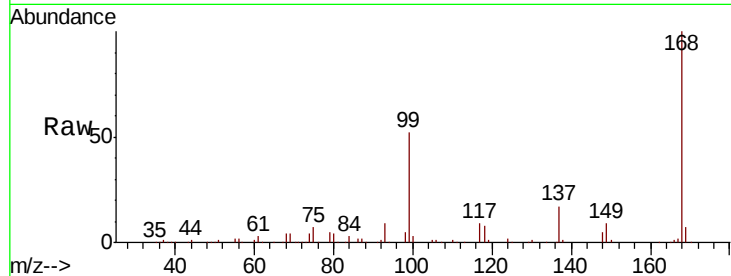
Tot Ion: 75 Resp: 14261

Ion Ratio Lower Upper

75 100

110 9.2 17.4 52.2#

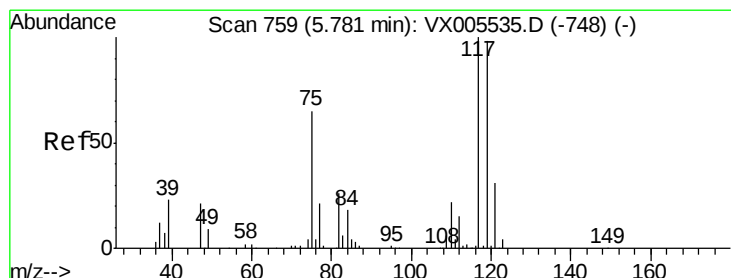
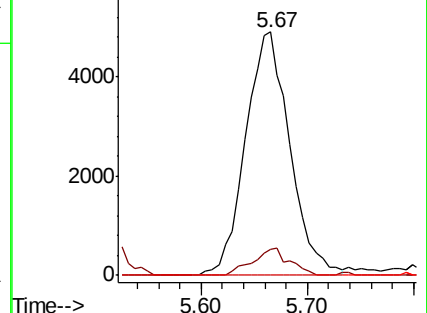
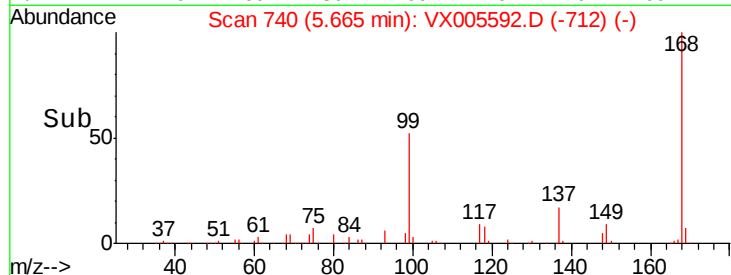
77 0.0 25.8 38.6#



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: 5.969 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005592.D

Acq: 25 Oct 2018 16:30

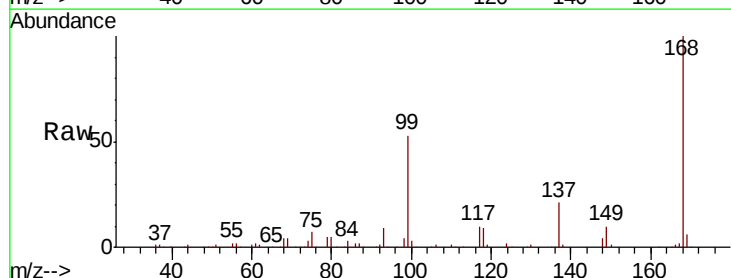
Tgt Ion:117 Resp: 18675

Ion Ratio Lower Upper

117 100

119 6.8 78.1 117.1#

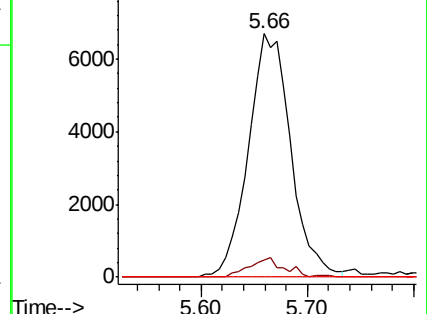
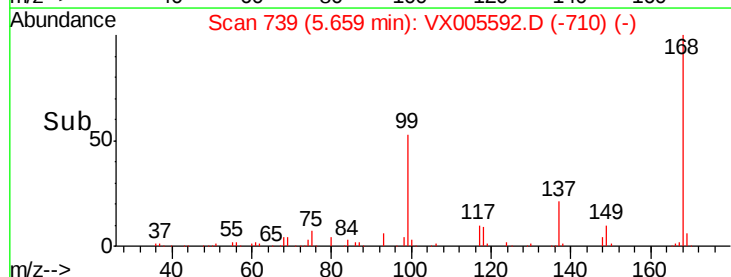
121 0.0 24.6 36.8#

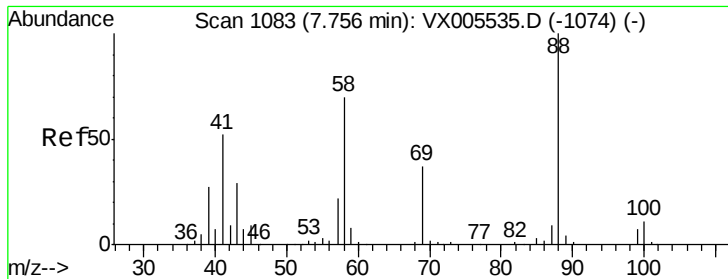


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

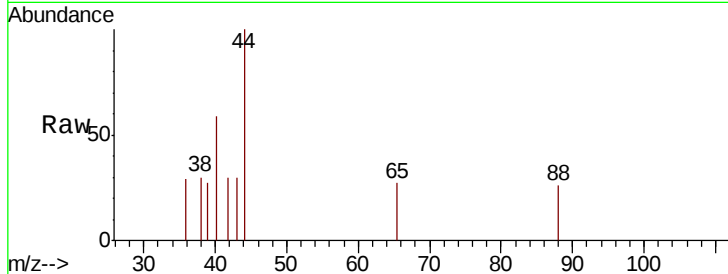




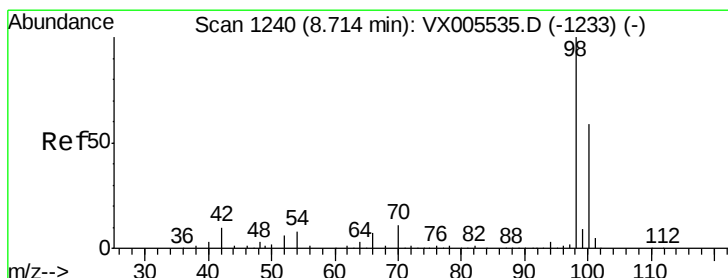
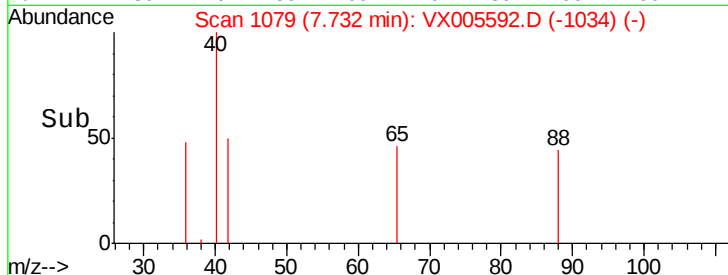
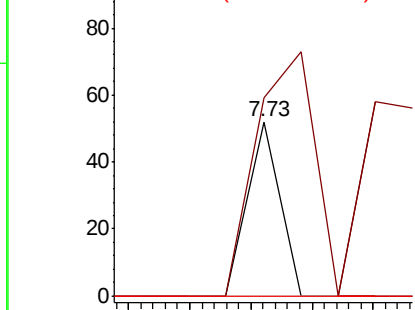
#49
1,4-Dioxane
Concen: 0.314 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VX005592.D
Acq: 25 Oct 2018 16:30

Instrument :
MSVOA_X
ClientSampleId :
TB-2018-10-24

Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 252.6 27.4 41.0#
58 0.0 59.4 89.2#

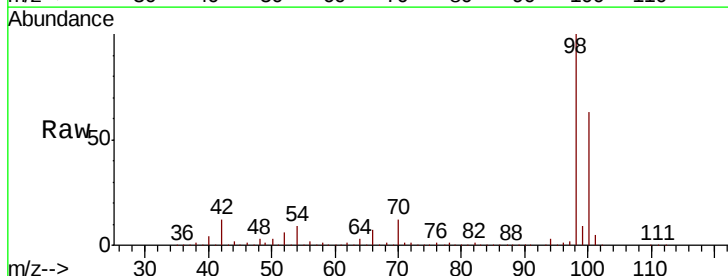


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

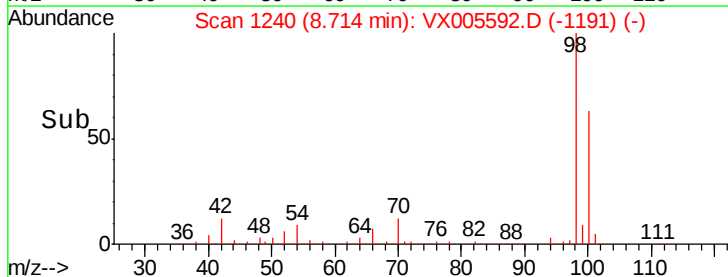
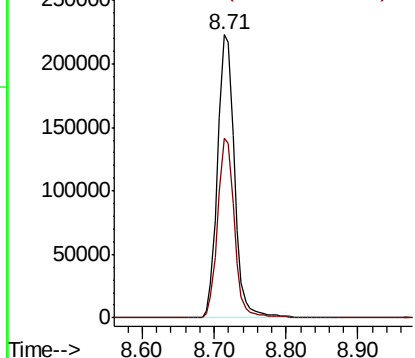


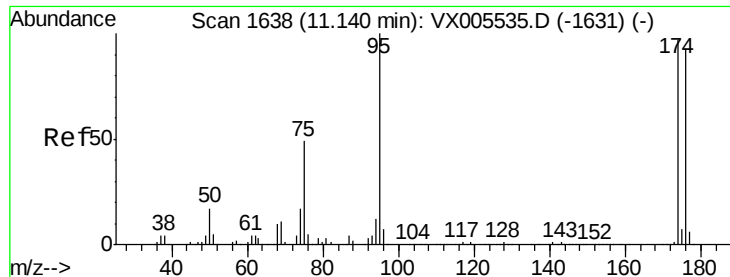
#50
Toluene-d8
Concen: 49.019 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005592.D
Acq: 25 Oct 2018 16:30

Tgt Ion: 98 Resp: 365075
Ion Ratio Lower Upper
98 100
100 62.8 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

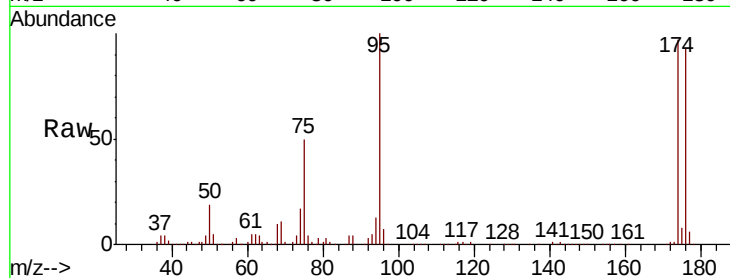




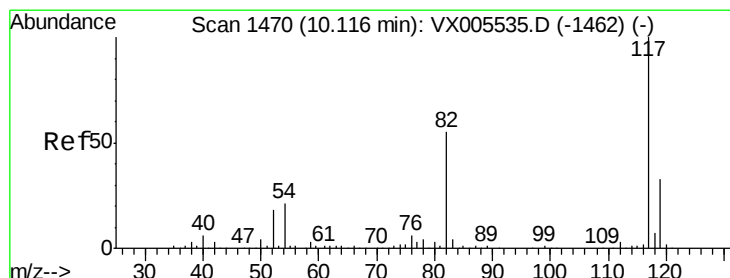
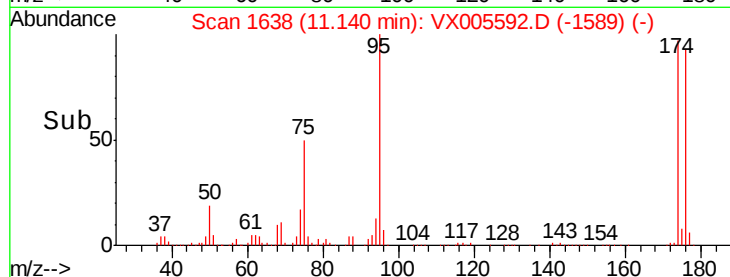
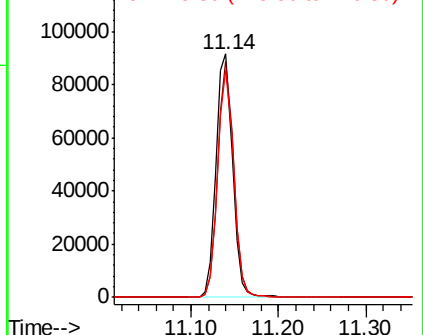
#62
4-Bromofluorobenzene
Concen: 42.373 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005592.D
Acq: 25 Oct 2018 16:30

Instrument :
MSVOA_X
ClientSampleId :
TB-2018-10-24

Tot Ion: 95 Resp: 119176
Ion Ratio Lower Upper
95 100
174 92.9 0.0 184.4
176 90.3 0.0 177.4

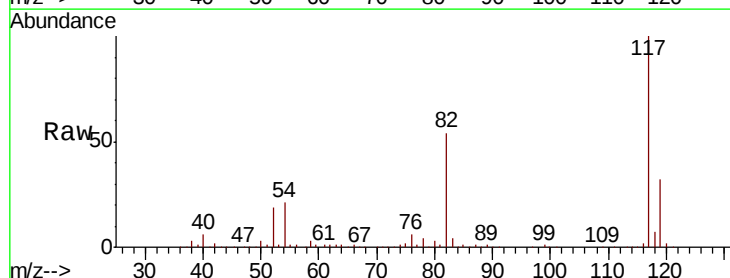


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

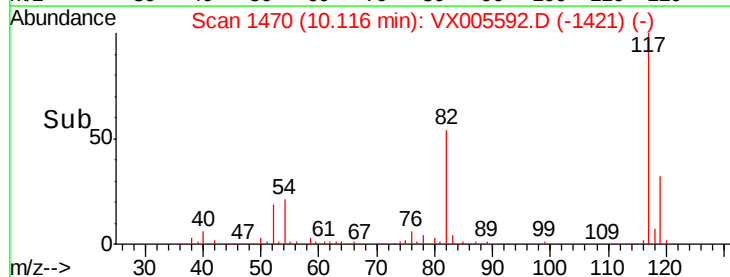
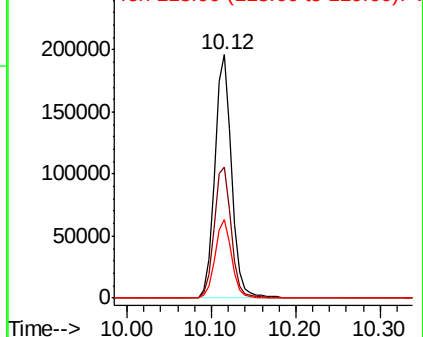


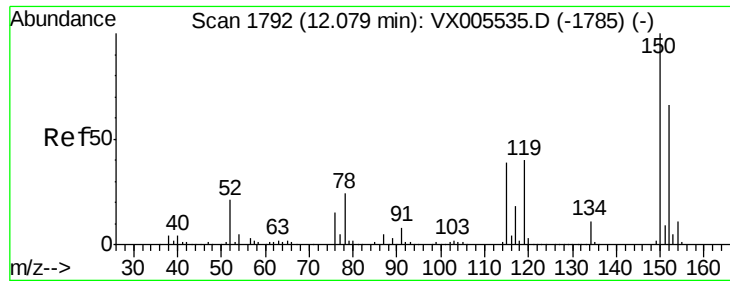
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005592.D
Acq: 25 Oct 2018 16:30

Tgt Ion: 117 Resp: 272177
Ion Ratio Lower Upper
117 100
82 53.8 44.1 66.1
119 32.3 26.2 39.2



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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005592.D

Acq: 25 Oct 2018 16:30

Instrument :

MSVOA_X

ClientSampled :

TB-2018-10-24

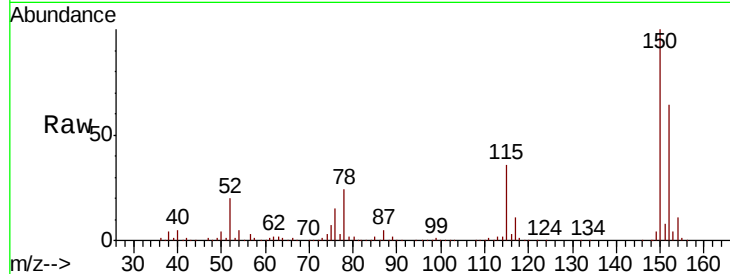
Tot Ion:152 Resp: 128014

Ion Ratio Lower Upper

152 100

115 56.7 39.4 118.1

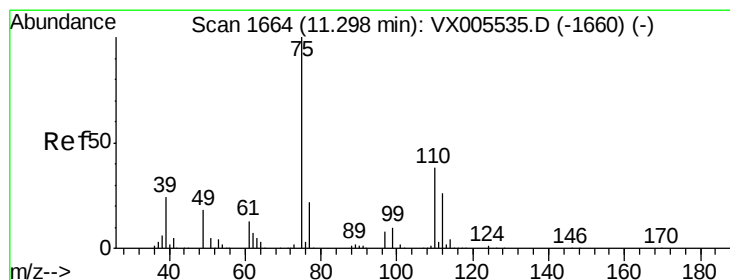
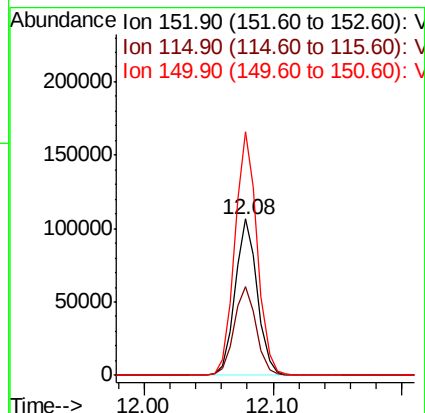
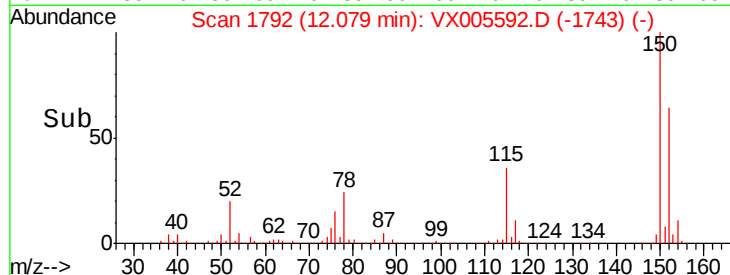
150 157.1 0.0 346.4



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: 22.345 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005592.D

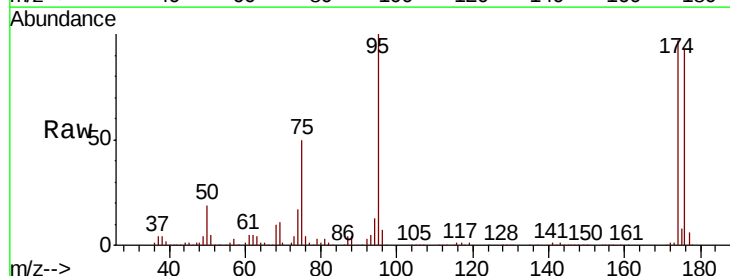
Acq: 25 Oct 2018 16:30

Tgt Ion: 75 Resp: 60606

Ion Ratio Lower Upper

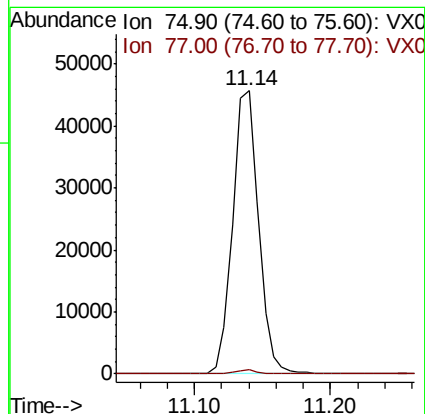
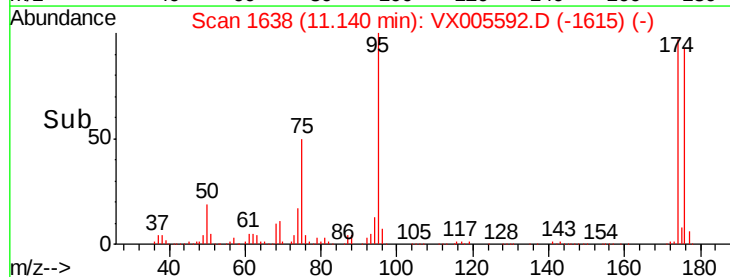
75 100

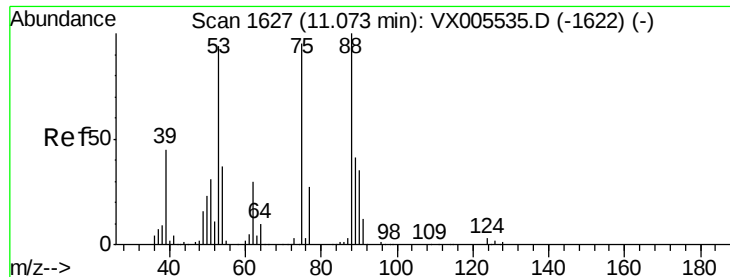
77 1.5 20.5 61.6#



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: 73.012 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005592.D

Acq: 25 Oct 2018 16:30

Instrument :

MSVOA_X

ClientSampleId :

TB-2018-10-24

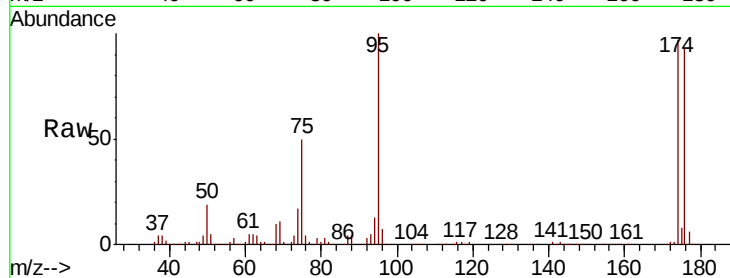
Tot Ion: 75 Resp: 60606

Ion Ratio Lower Upper

75 100

53 0.4 80.2 120.2#

89 0.1 39.8 59.8#



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

