

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005610.D
 Acq On : 26 Oct 2018 17:36
 Operator : JC/MD
 Sample : J5692-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20181025

Quant Time: Oct 27 04:47:57 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	5.66	168	271527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	391447	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	334704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161716	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	157253	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	5.51	113	122734	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
50) Toluene-d8	8.71	98	453460	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
62) 4-Bromofluorobenzene	11.14	95	152344	42.36	ug/l	0.00
Spiked Amount			Recovery	=	84.72%	

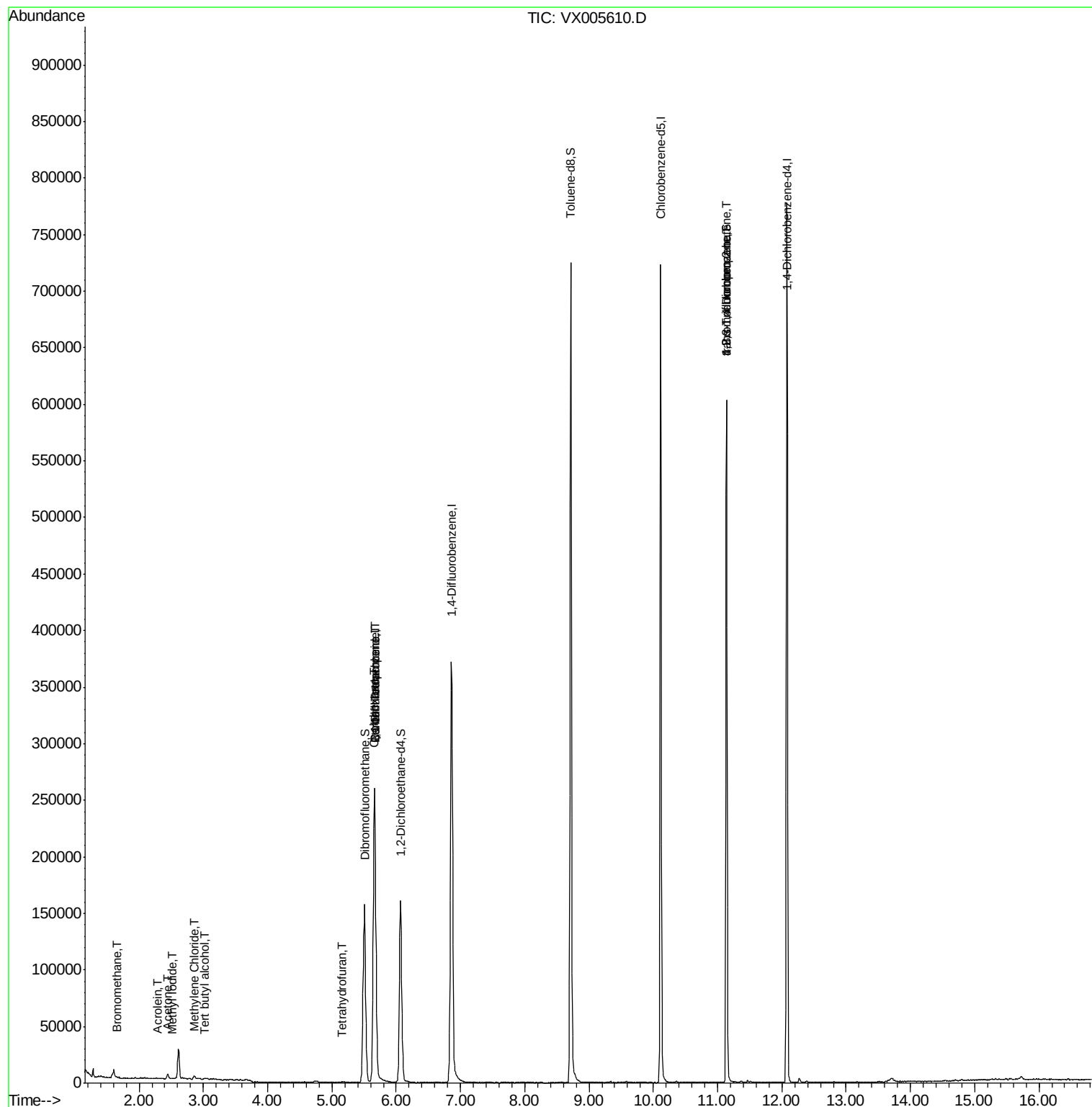
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	428	0.205	ug/l #	59
10) Methyl Iodide	2.52	142	375	2.852	ug/l #	84
11) Tert butyl alcohol	3.03	59	269	0.302	ug/l	99
13) Acrolein	2.28	56	175	0.385	ug/l #	69
16) Acetone	2.44	43	5037	2.876	ug/l	96
20) Methylene Chloride	2.85	84	1105	0.377	ug/l	94
29) Tetrahydrofuran	5.15	42	800	0.461	ug/l #	41
31) Cyclohexane	5.65	56	4959	1.110	ug/l #	17
36) 1,1-Dichloropropene	5.67	75	18117	4.769	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23546	5.885	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	75624	22.071	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	75624	72.118	ug/l #	9

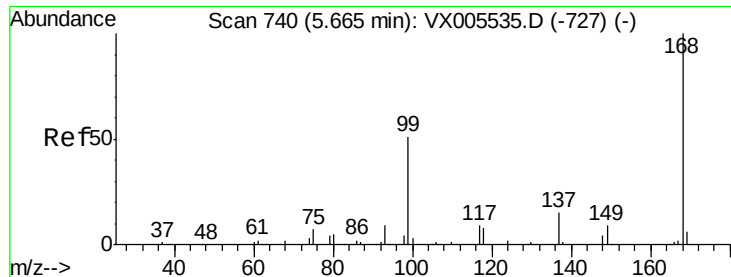
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005610.D

Acq: 26 Oct 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

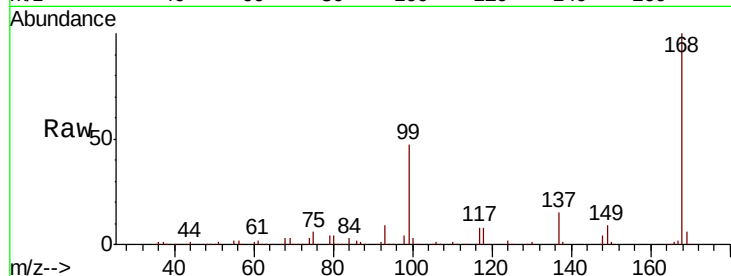
TB01-20181025

Tot Ion:168 Resp: 271527

Ion Ratio Lower Upper

168 100

99 46.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): VX005535.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX005535.D (-727) (-)

5.66

100000

80000

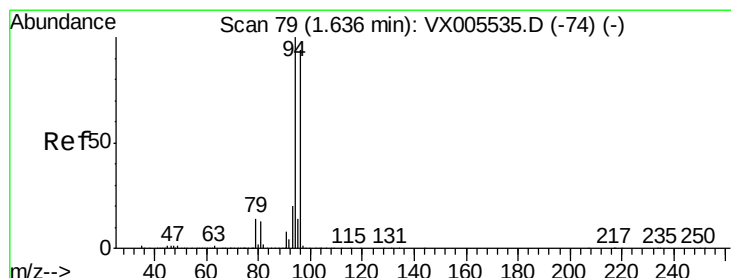
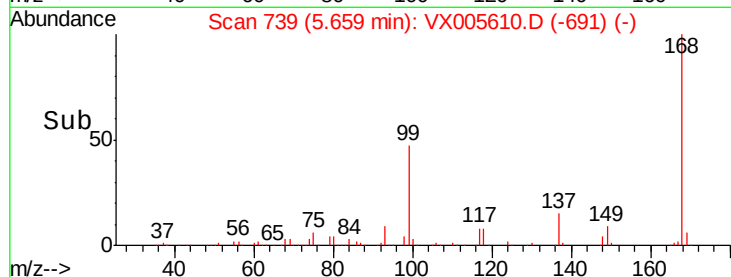
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.205 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005610.D

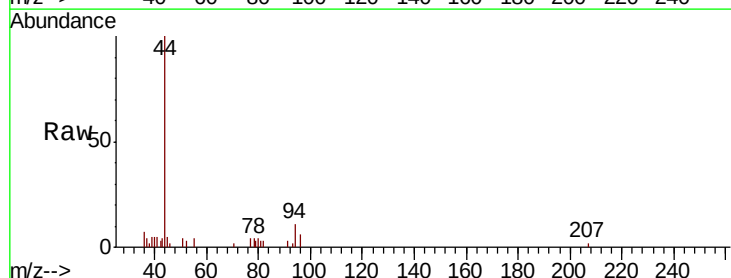
Acq: 26 Oct 2018 17:36

Tgt Ion: 94 Resp: 428

Ion Ratio Lower Upper

94 100

96 54.2 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX005535.D (-74) (-)

Ion 95.90 (95.60 to 96.60): VX005535.D (-74) (-)

1.65

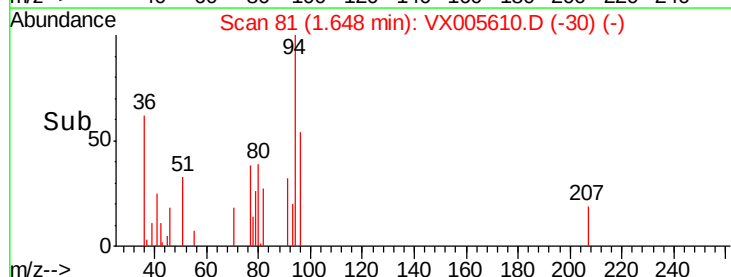
300

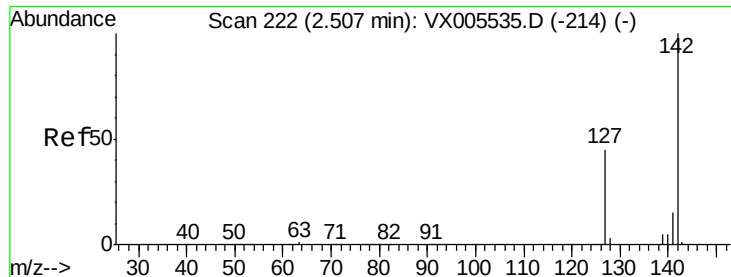
200

100

0

Time--> 1.60 1.65 1.70

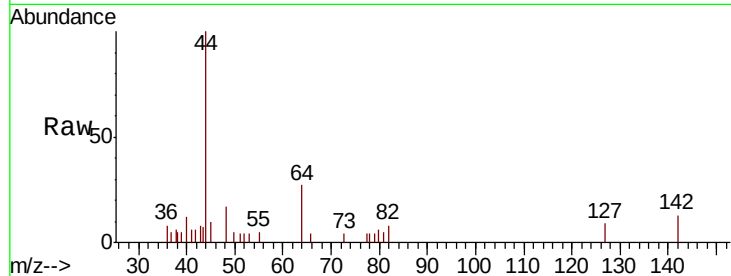




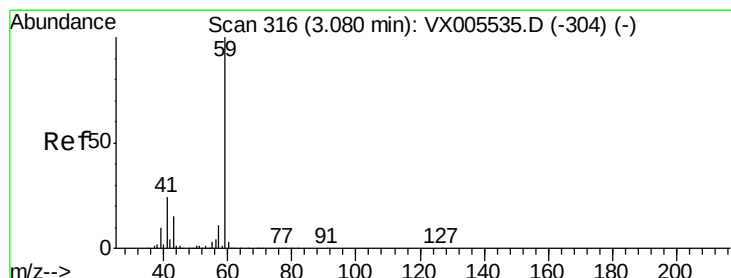
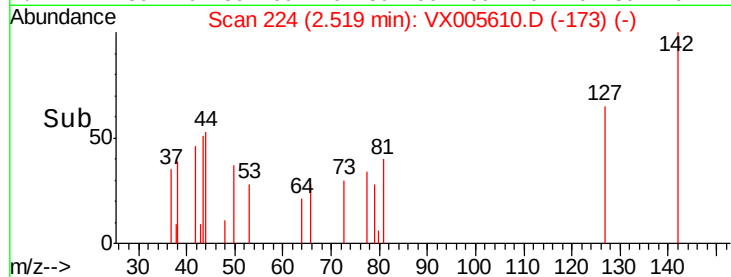
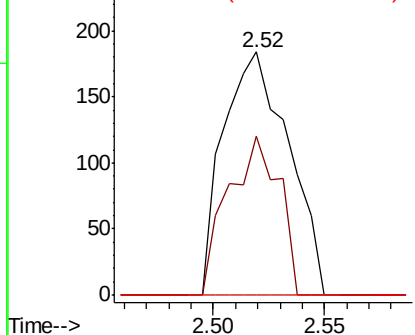
#10
Methvl Iodide
Concen: 2.852 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
TB01-20181025

Tot Ion:142 Resp: 375
Ion Ratio Lower Upper
142 100
127 50.9 36.0 54.0
141 0.0 11.7 17.5#

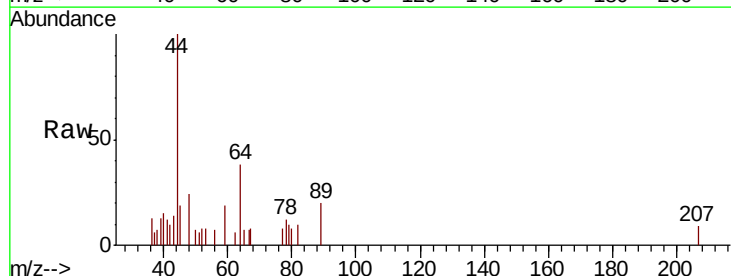


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

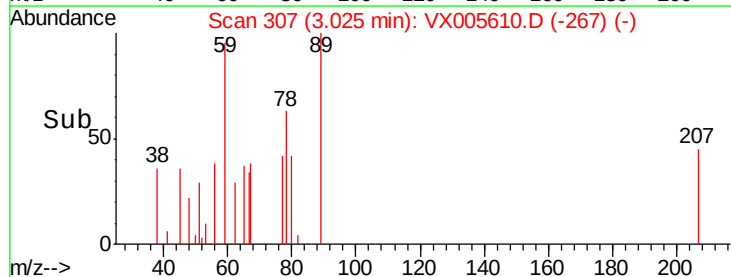
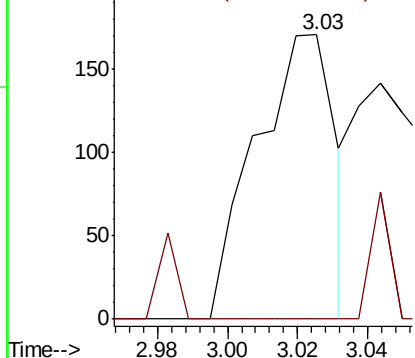


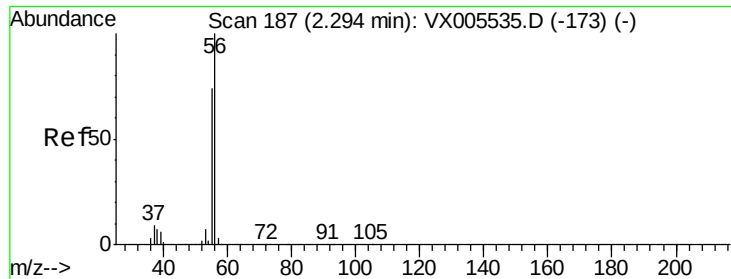
#11
Tert butyl alcohol
Concen: 0.302 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

Tgt Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

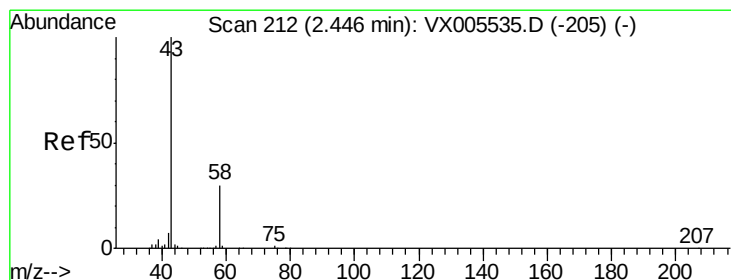
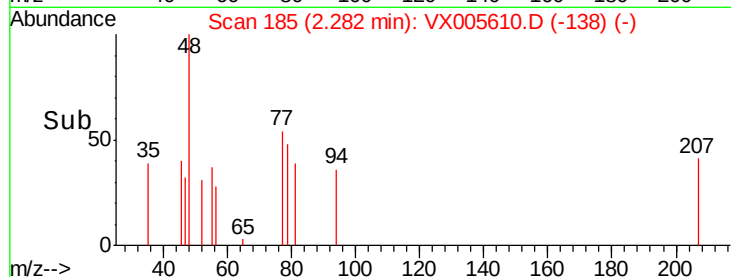
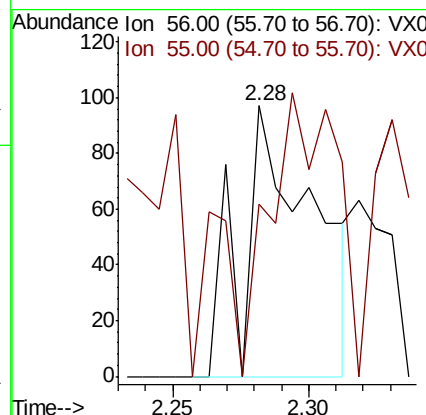
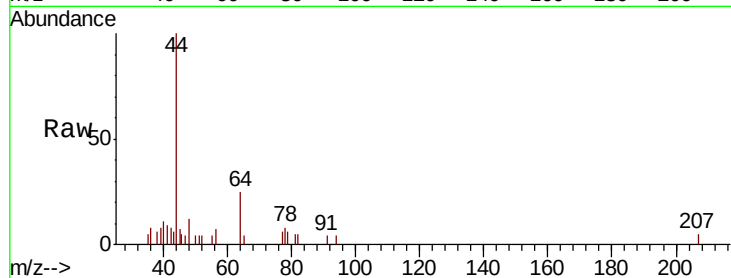




#13
Acrolein
Concen: 0.385 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

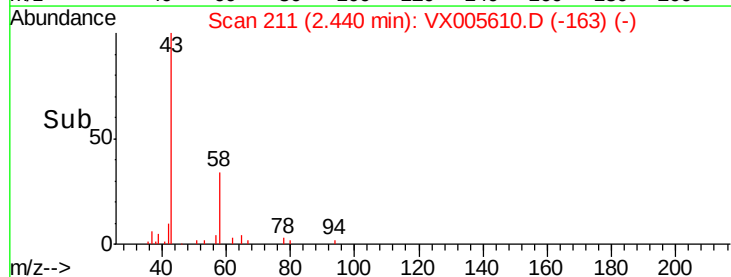
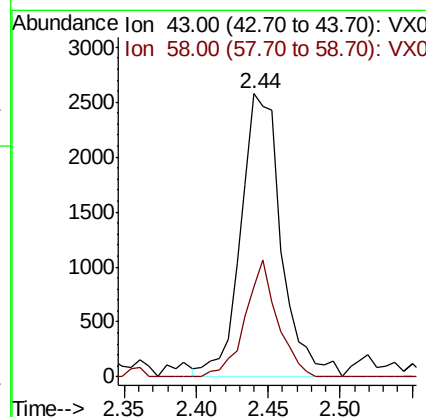
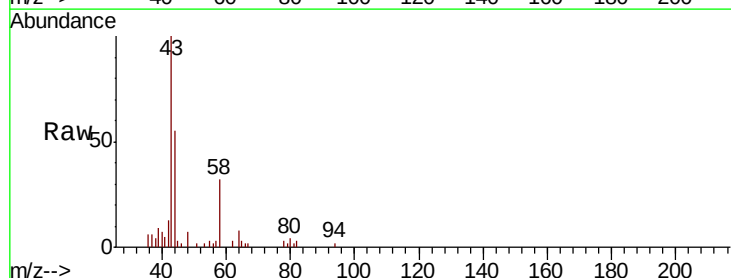
Instrument :
MSVOA_X
ClientSampleId :
TB01-20181025

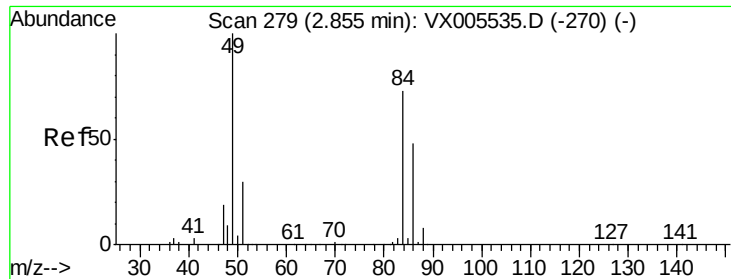
Tot Ion: 56 Resp: 175
Ion Ratio Lower Upper
56 100
55 97.1 57.3 85.9#



#16
Acetone
Concen: 2.876 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

Tgt Ion: 43 Resp: 5037
Ion Ratio Lower Upper
43 100
58 31.8 23.8 35.6

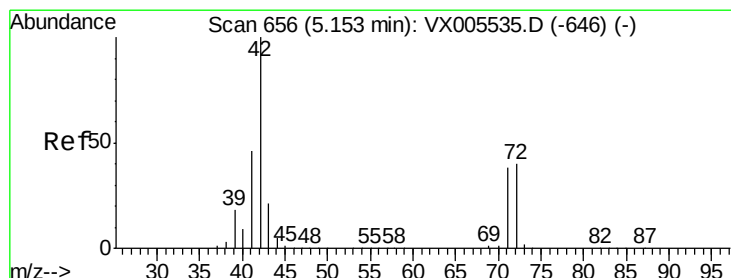
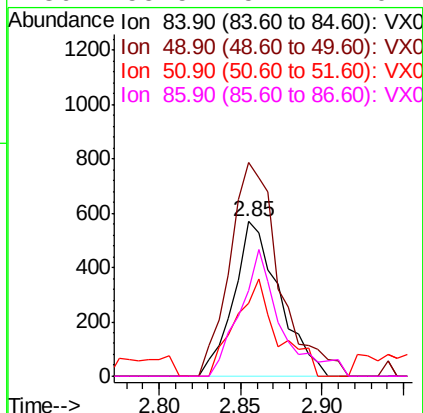
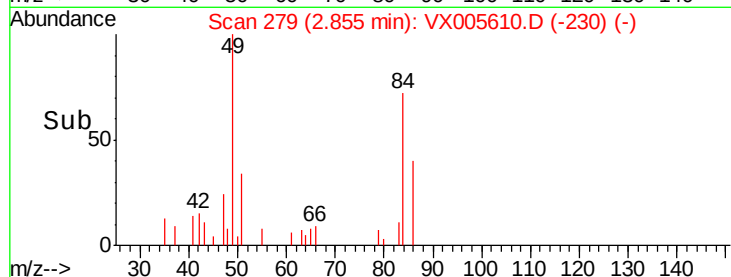
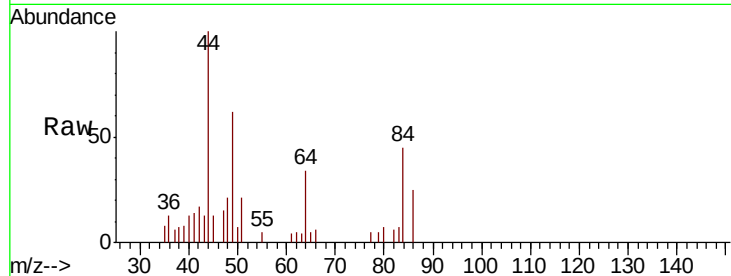




#20
Methylene Chloride
Concen: 0.377 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

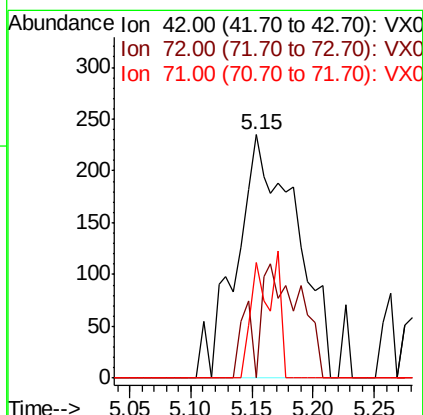
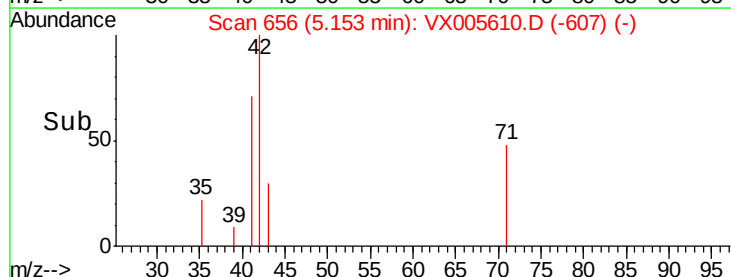
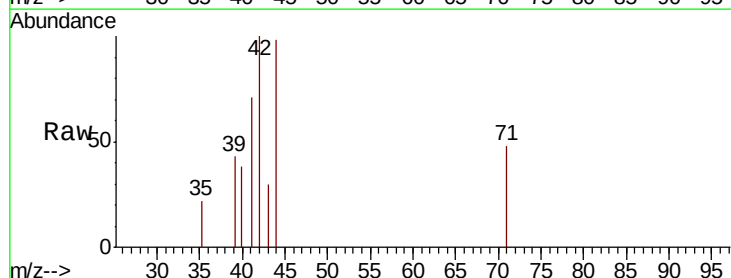
Instrument :
MSVOA_X
ClientSampleId :
TB01-20181025

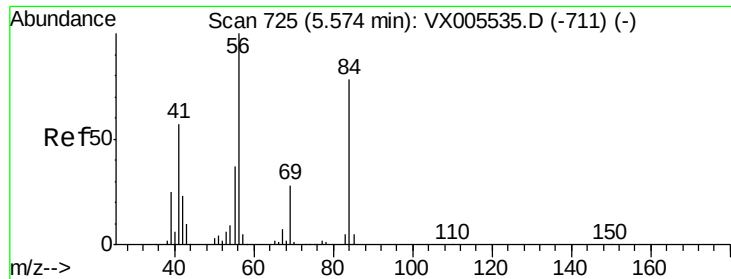
Tot Ion:	84	Resp:	1105
Ion	Ratio	Lower	Upper
84	100		
49	138.4	109.5	164.3
51	47.0	33.3	49.9
86	55.5	52.7	79.1



#29
Tetrahydrofuran
Concen: 0.461 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

Tgt Ion:	42	Resp:	800
Ion	Ratio	Lower	Upper
42	100		
72	6.0	32.0	48.0#
71	0.0	29.8	44.8#

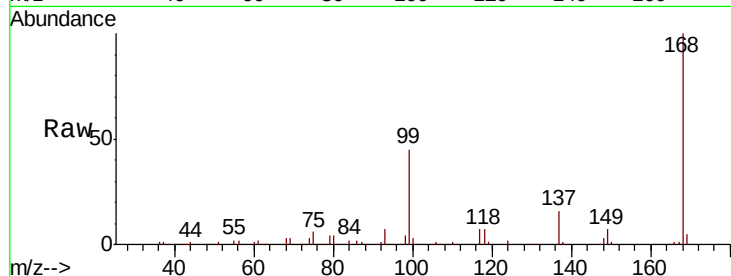




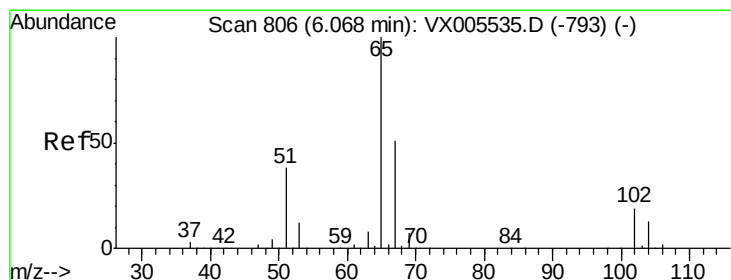
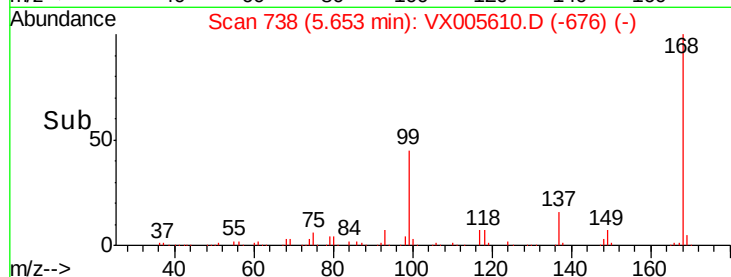
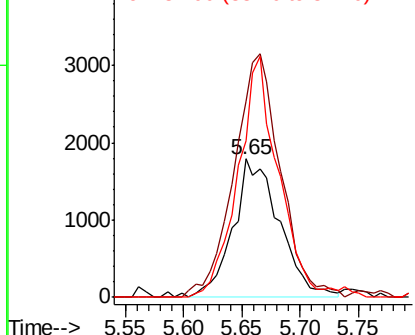
#31
Cyclohexane
Concen: 1.110 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
TB01-20181025

Tot Ion: 56 Resp: 4959
Ion Ratio Lower Upper
56 100
69 136.6 22.6 34.0#
84 113.0 62.7 94.1#

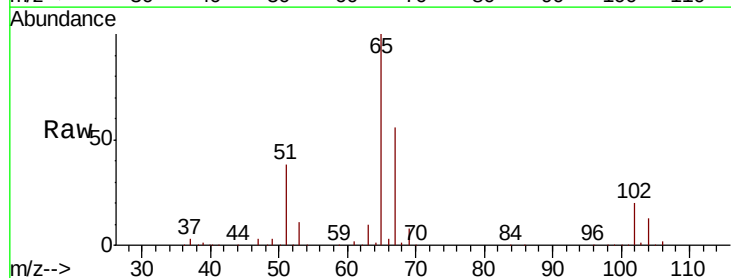


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

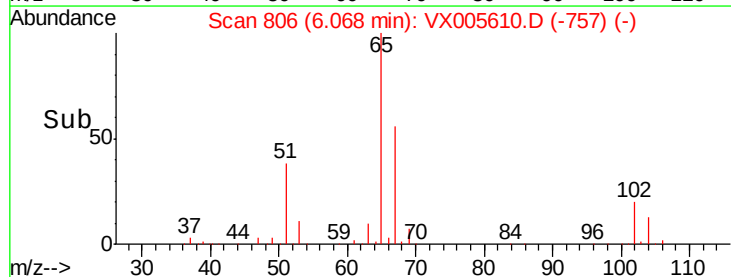
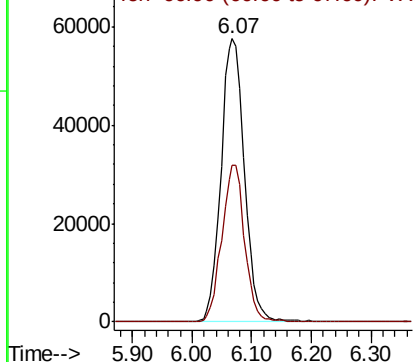


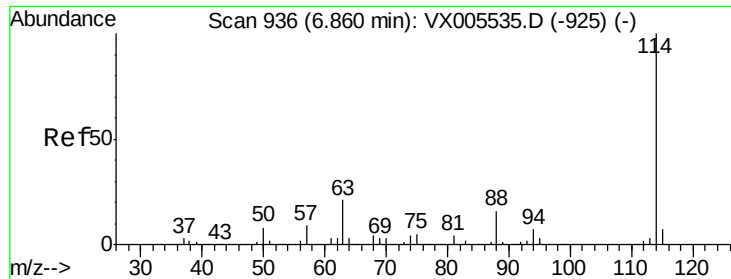
#33
1,2-Dichloroethane-d4
Concen: 47.444 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

Tgt Ion: 65 Resp: 157253
Ion Ratio Lower Upper
65 100
67 54.0 0.0 105.0



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

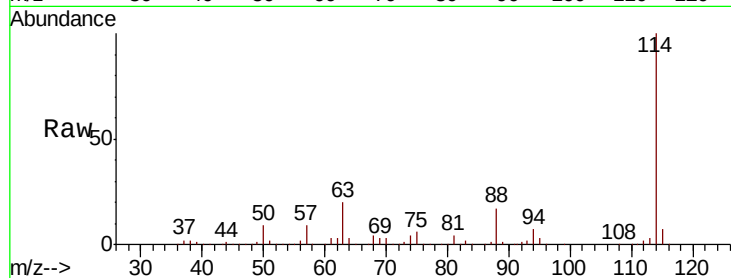




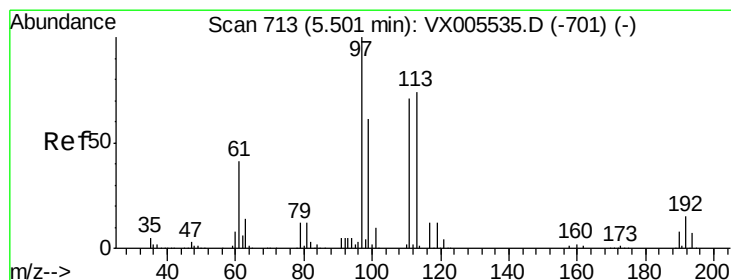
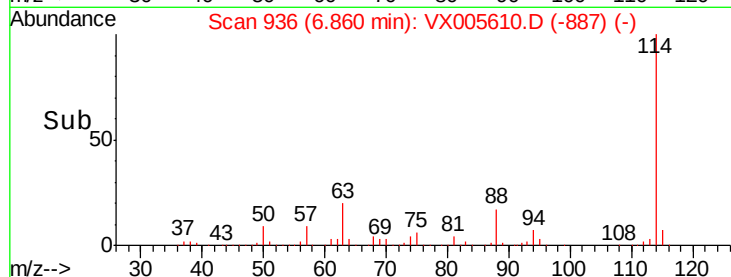
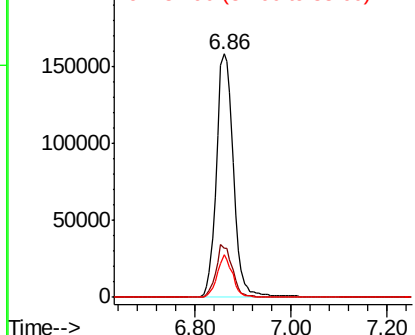
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
TB01-20181025

Tot Ion:114 Resp: 391447
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.8
88 17.5 0.0 31.2

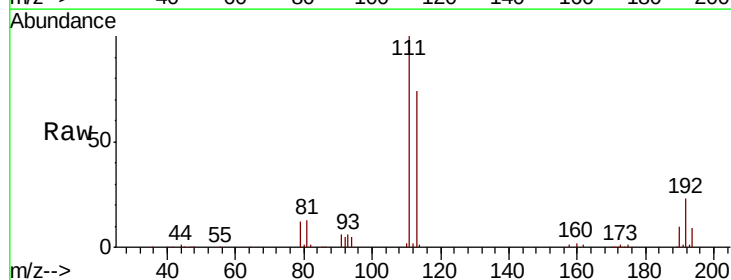


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

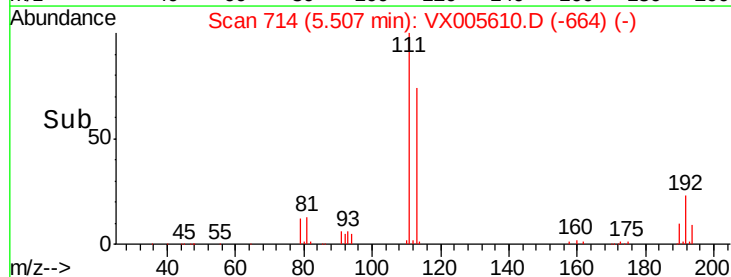
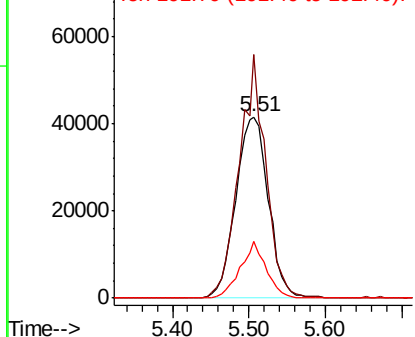


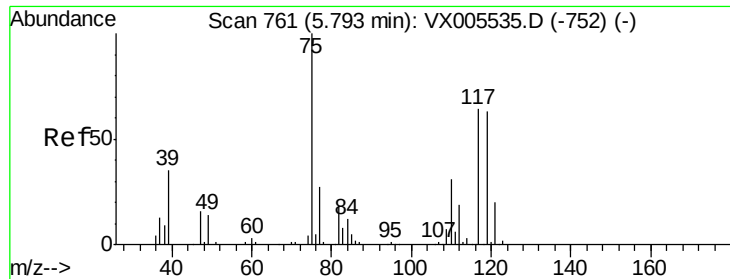
#35
Dibromofluoromethane
Concen: 46.305 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

Tgt Ion:113 Resp: 122734
Ion Ratio Lower Upper
113 100
111 110.4 82.3 123.5
192 24.8 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

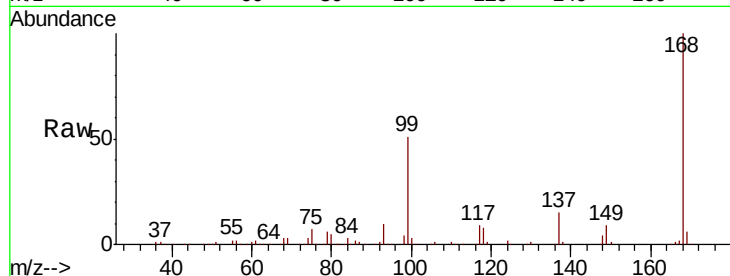




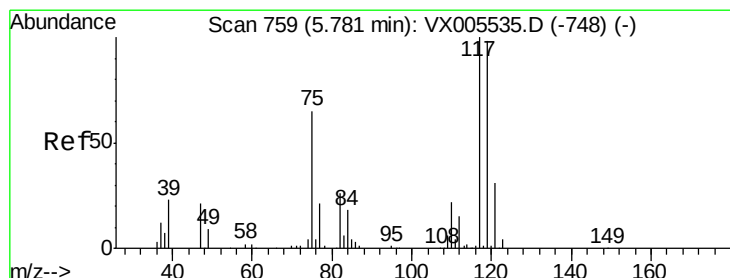
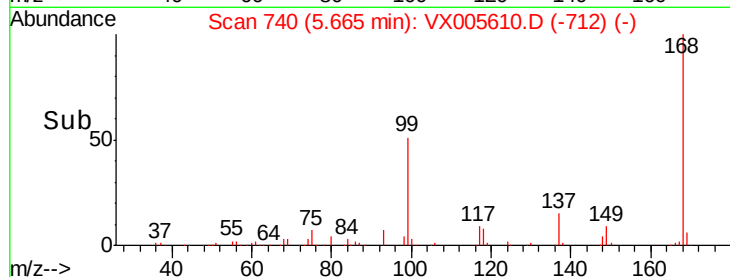
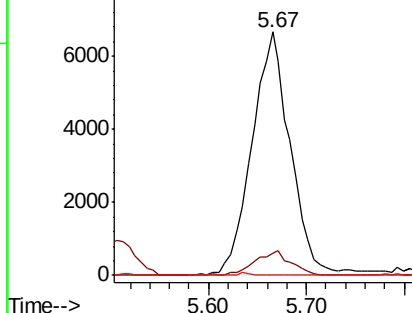
#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005610.D
 Acq: 26 Oct 2018 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20181025

Tot Ion: 75 Resp: 18117
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.4 52.2#
 77 0.0 25.8 38.6#

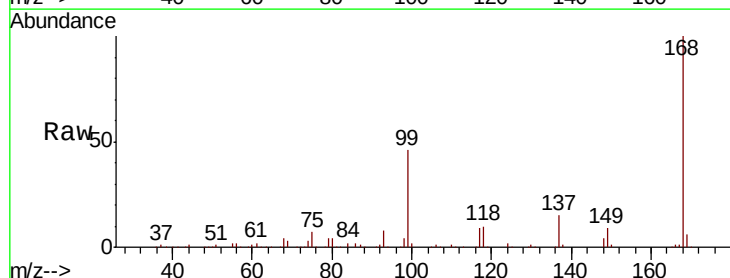


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

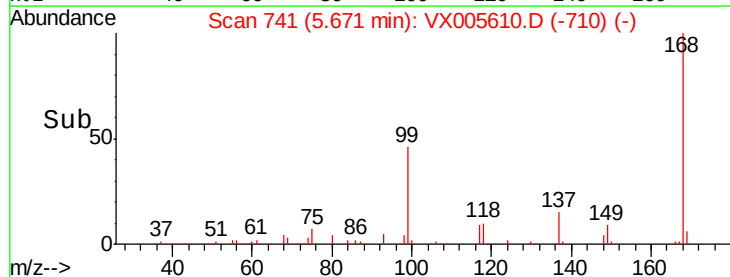
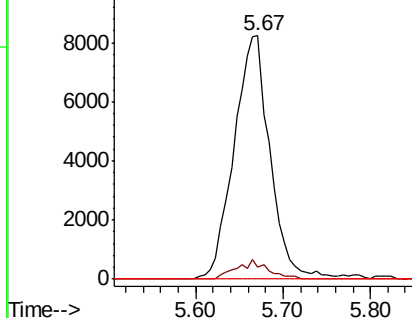


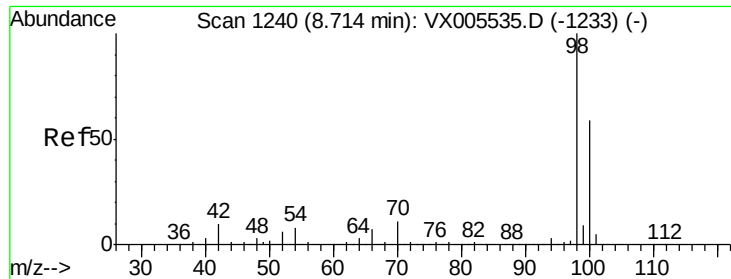
#38
 Carbon Tetrachloride
 Concen: 5.885 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.11 min
 Lab File: VX005610.D
 Acq: 26 Oct 2018 17:36

Tgt Ion: 117 Resp: 23546
 Ion Ratio Lower Upper
 117 100
 119 4.8 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

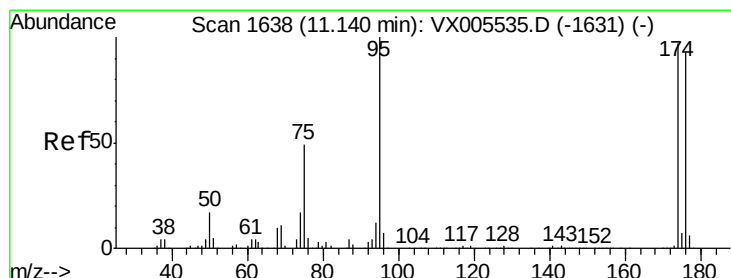
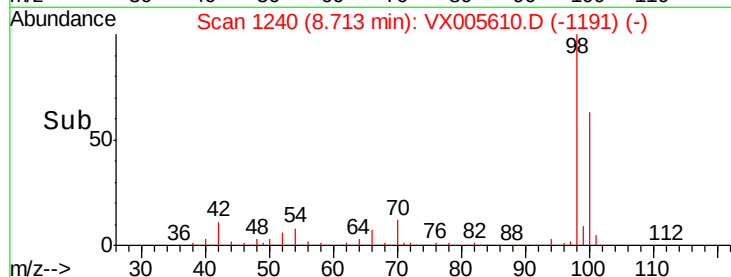
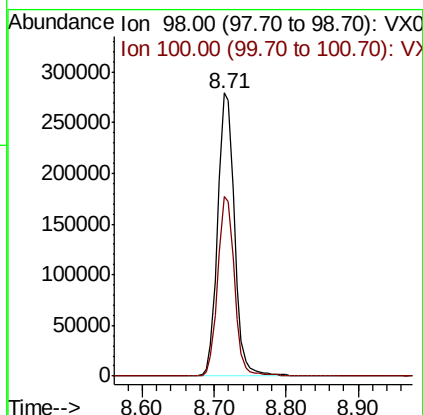
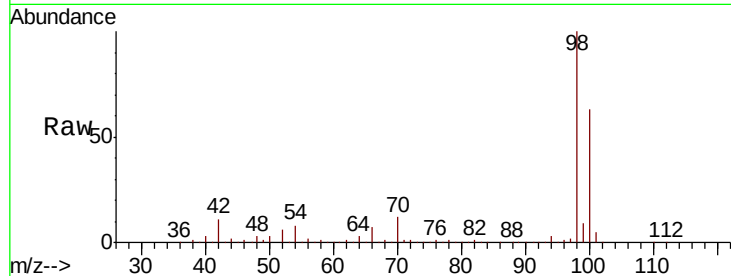




#50
Toluene-d8
Concen: 47.612 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

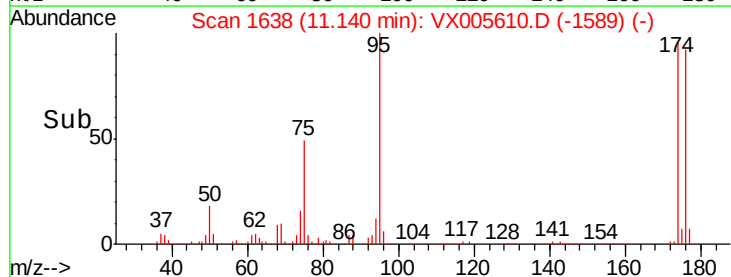
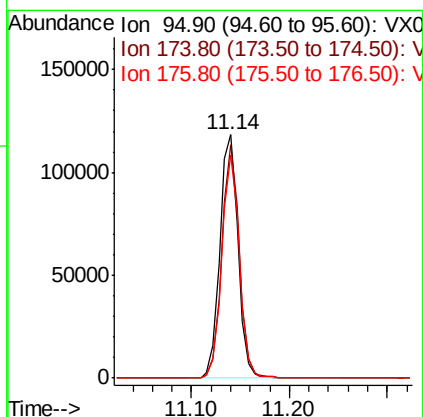
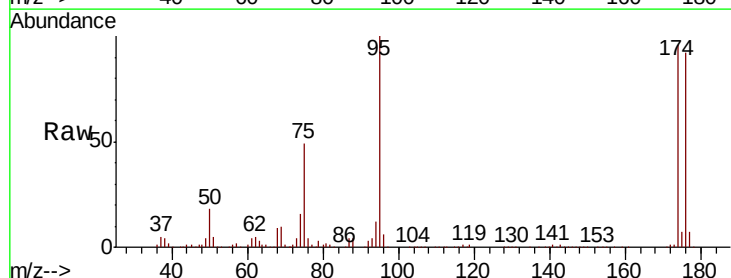
Instrument :
MSVOA_X
ClientSampleId :
TB01-20181025

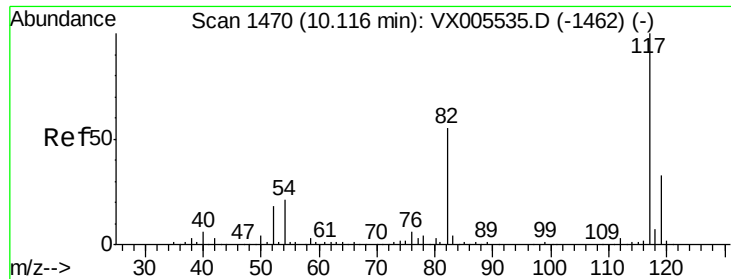
Tot Ion: 98 Resp: 453460
Ion Ratio Lower Upper
98 100
100 63.3 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 42.357 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

Tgt Ion: 95 Resp: 152344
Ion Ratio Lower Upper
95 100
174 92.2 0.0 184.4
176 88.4 0.0 177.4

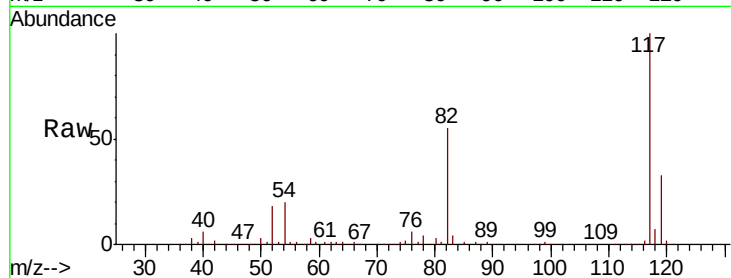




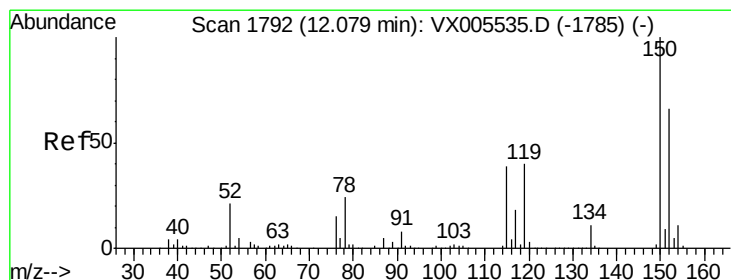
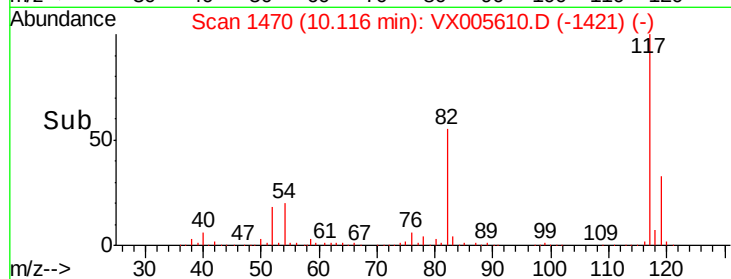
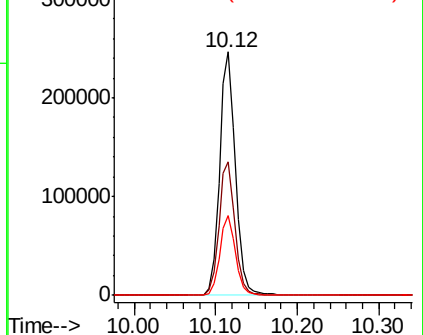
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

Instrument :
MSVOA_X
ClientSampleId :
TB01-20181025

Tot Ion:117 Resp: 334704
Ion Ratio Lower Upper
117 100
82 55.0 44.1 66.1
119 33.0 26.2 39.2

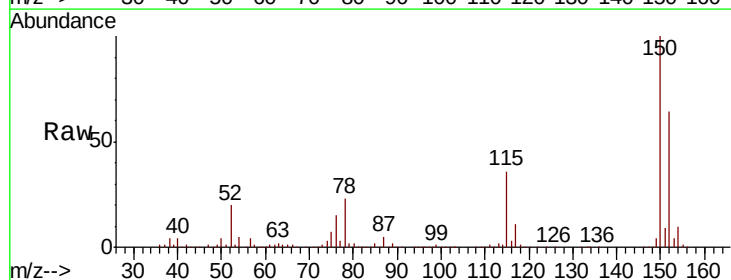


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

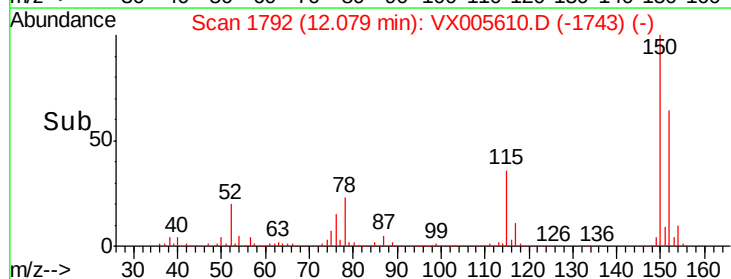
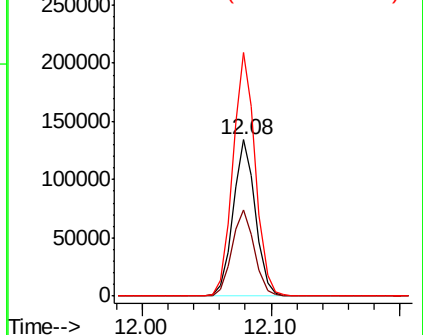


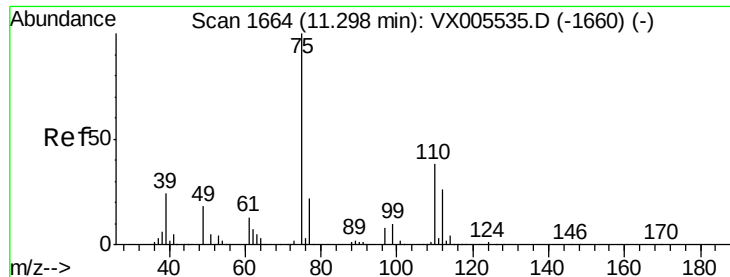
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005610.D
Acq: 26 Oct 2018 17:36

Tgt Ion:152 Resp: 161716
Ion Ratio Lower Upper
152 100
115 55.7 39.4 118.1
150 157.2 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: 22.071 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005610.D

Acq: 26 Oct 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

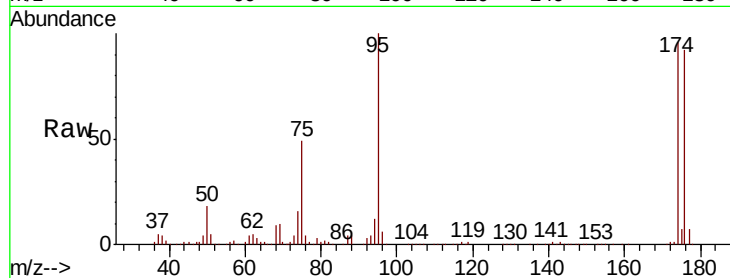
TB01-20181025

Tot Ion: 75 Resp: 75624

Ion Ratio Lower Upper

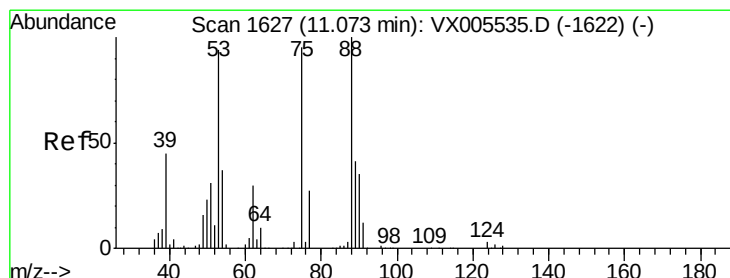
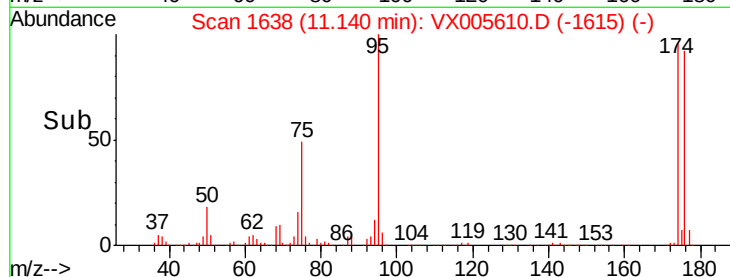
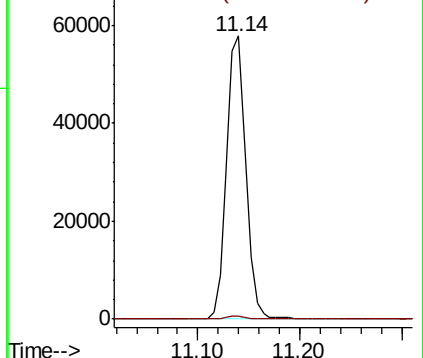
75 100

77 1.4 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: 72.118 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005610.D

Acq: 26 Oct 2018 17:36

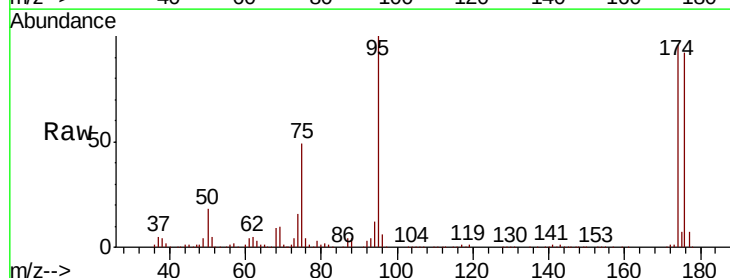
Tgt Ion: 75 Resp: 75624

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 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

