

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040519\
 Data File : VX008700.D
 Acq On : 05 Apr 2019 22:26
 Operator : JC/SP
 Sample : K2295-12 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW336-190404DL

Quant Time: Apr 06 01:29:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	349758	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129932	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	144679	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	5.50	113	105223	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
50) Toluene-d8	8.71	98	440158	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.13	95	148715	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	

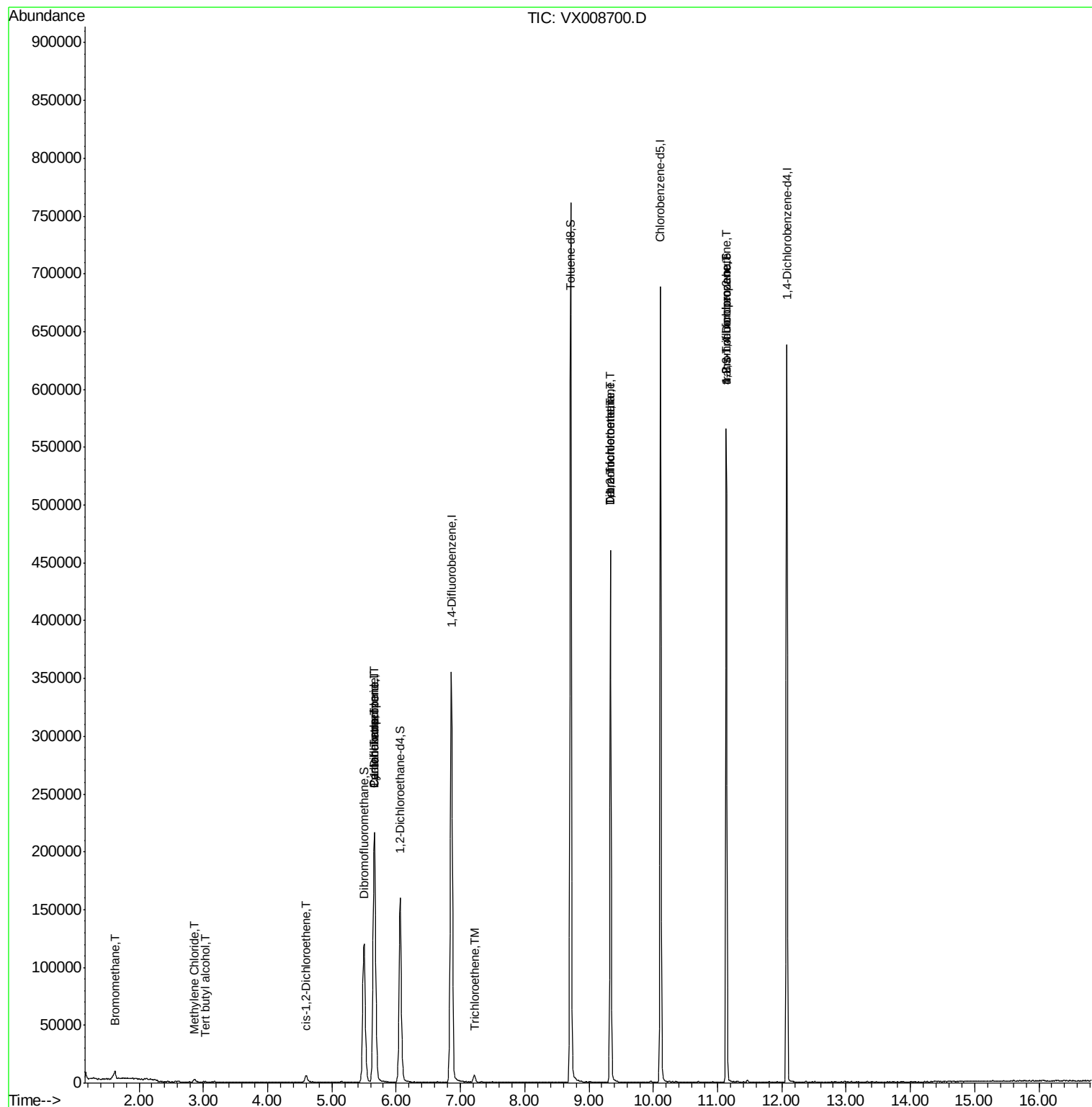
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	377	Below Cal	#	76
5) Bromomethane	1.64	94	420	2.138	ug/l	99
6) Chloroethane	1.75	64	3092	Below Cal	#	43
11) Tert butyl alcohol	3.03	59	371	0.520	ug/l #	87
17) Carbon Disulfide	2.57	76	504	Below Cal	#	75
20) Methylene Chloride	2.86	84	1108	0.377	ug/l	91
27) cis-1,2-Dichloroethene	4.59	96	3455	1.151	ug/l	94
28) Bromochloromethane	5.02	49	20	Below Cal	#	22
31) Cyclohexane	5.66	56	4846	0.921	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17455	4.566	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20149	6.368	ug/l #	17
44) Trichloroethene	7.21	130	2316	0.873	ug/l	82
55) 1,1,2-Trichloroethane	9.34	97	813	0.302	ug/l #	1
60) Dibromochloromethane	9.34	129	84756	33.369	ug/l #	11
64) Tetrachloroethene	9.34	164	88353	39.204	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	76768	21.508	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	76768	59.286	ug/l #	9

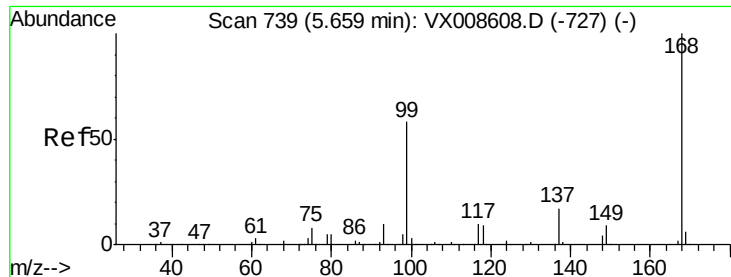
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008700.D

Acq: 05 Apr 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

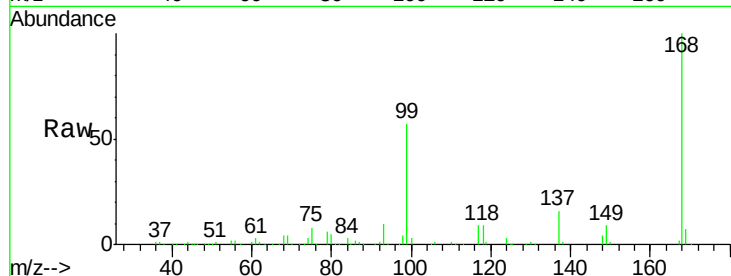
ST008MW336-190404DL

Tot Ion:168 Resp: 208756

Ion Ratio Lower Upper

168 100

99 57.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

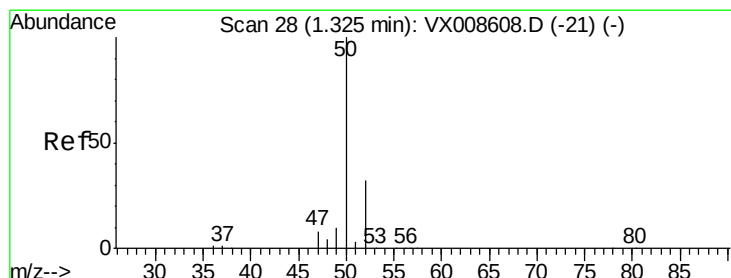
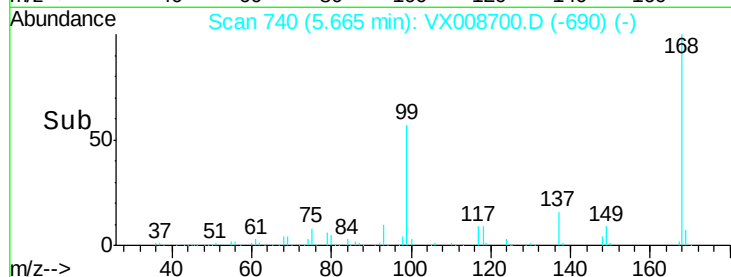
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008700.D

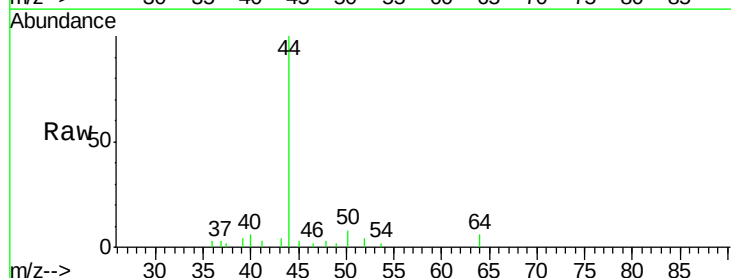
Acq: 05 Apr 2019 22:26

Tgt Ion: 50 Resp: 377

Ion Ratio Lower Upper

50 100

52 45.9 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200

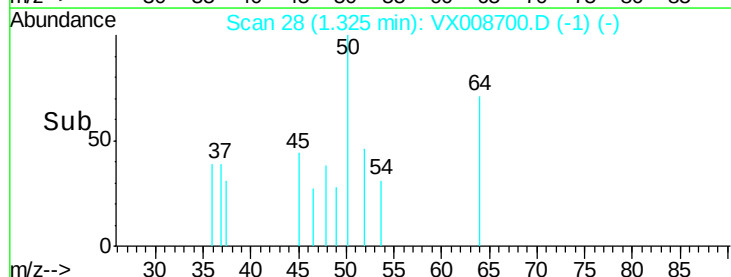
150

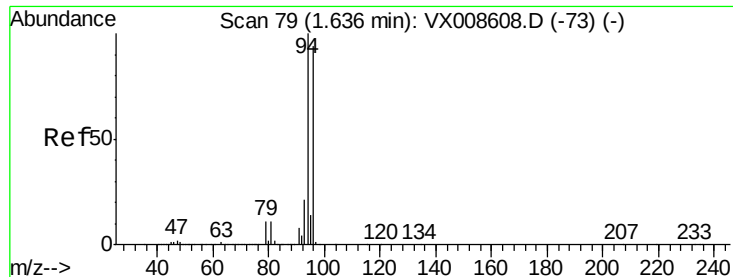
100

50

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 2.138 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008700.D

Acq: 05 Apr 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

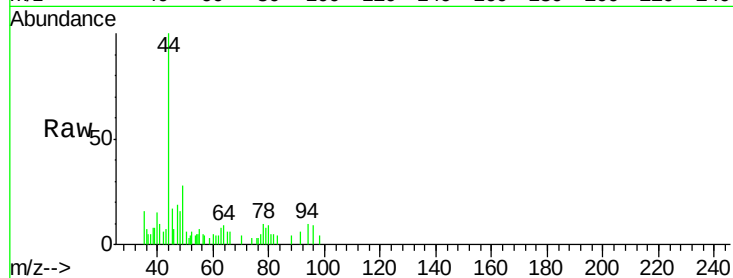
ST008MW336-190404DL

Tot Ion: 94 Resp: 420

Ion Ratio Lower Upper

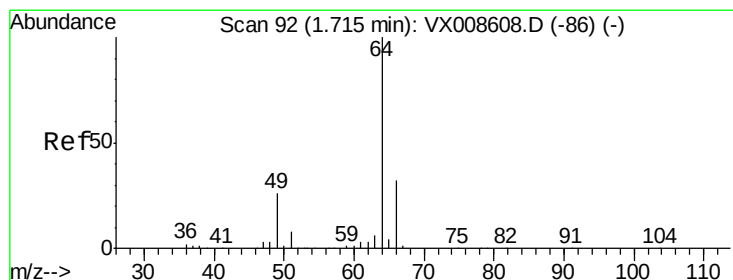
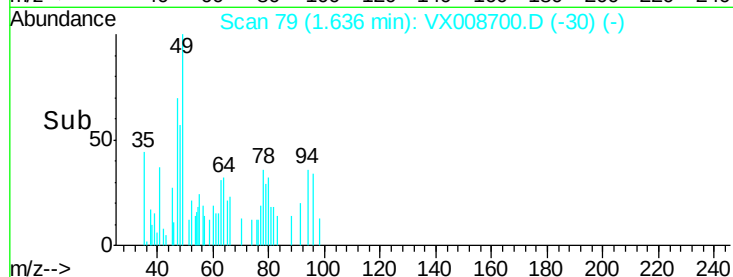
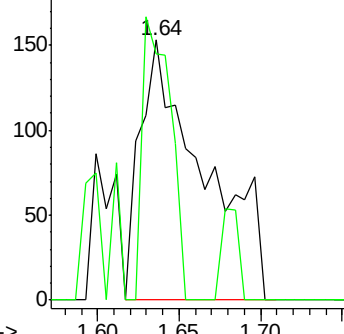
94 100

96 94.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX008700.D

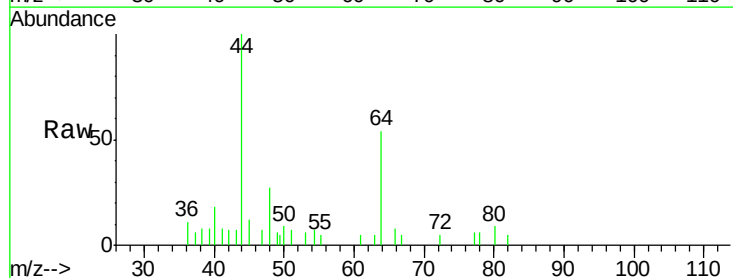
Acq: 05 Apr 2019 22:26

Tgt Ion: 64 Resp: 3092

Ion Ratio Lower Upper

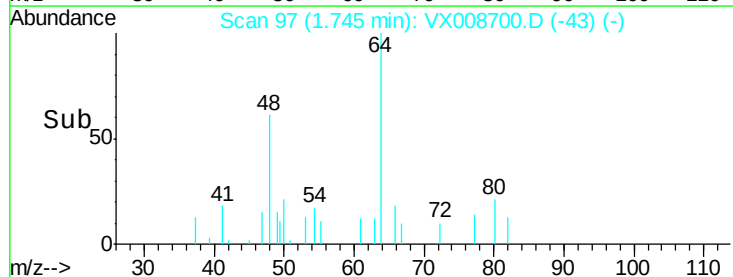
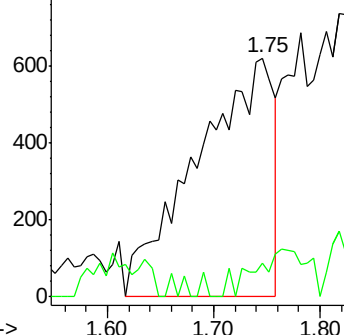
64 100

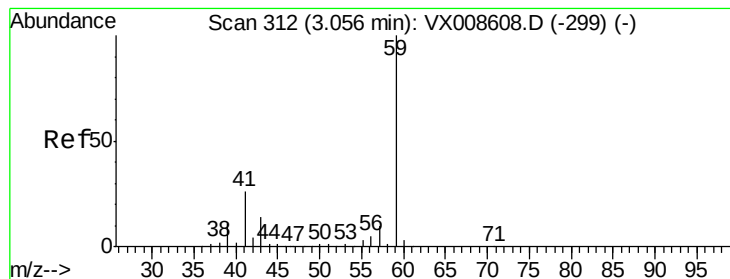
66 0.3 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



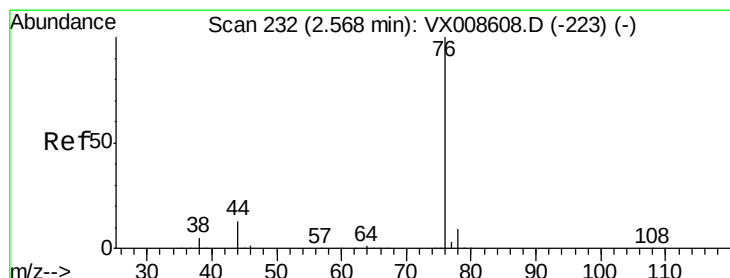
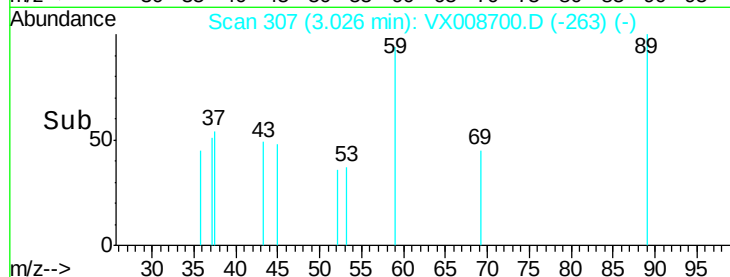
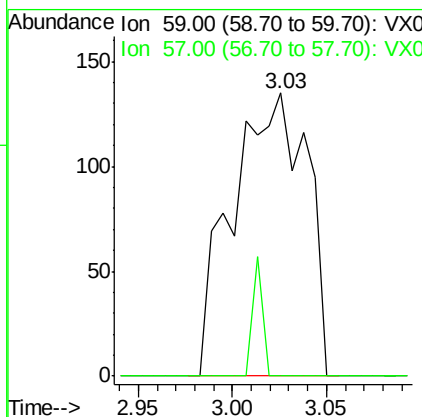
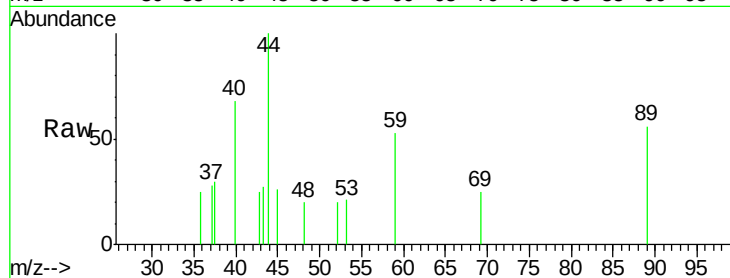


#11

Tert butyl alcohol
 Concen: 0.520 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.03 min
 Lab File: VX008700.D
 Acq: 05 Apr 2019 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW336-190404DL

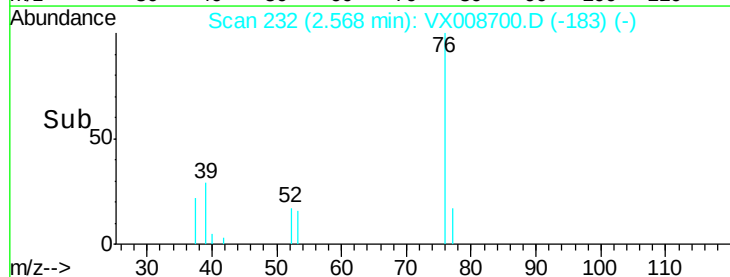
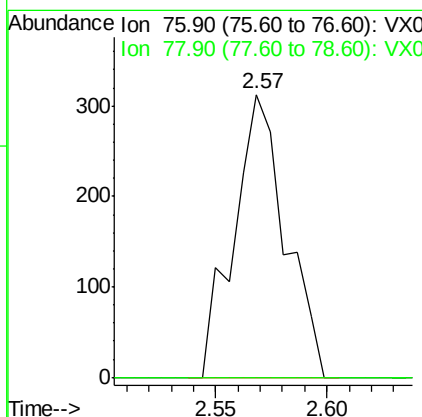
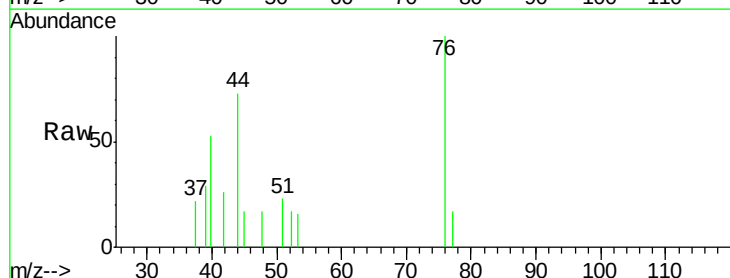
Tot Ion: 59 Resp: 371
 Ion Ratio Lower Upper
 59 100
 57 5.7 8.3 12.5#

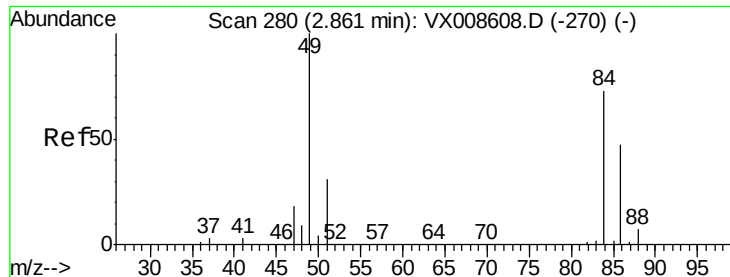


#17

Carbon Disulfide
 Concen: Below Cal
 RT: 2.57 min Scan# 232
 Delta R.T. 0.00 min
 Lab File: VX008700.D
 Acq: 05 Apr 2019 22:26

Tgt Ion: 76 Resp: 504
 Ion Ratio Lower Upper
 76 100
 78 0.0 7.1 10.7#

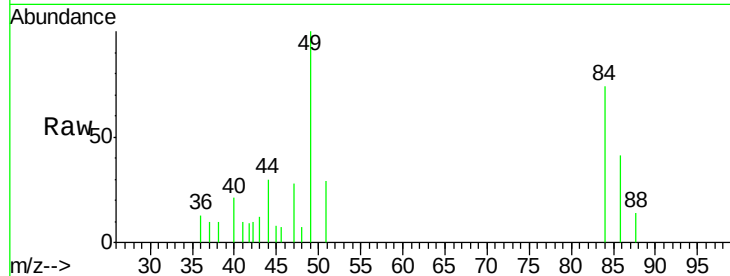




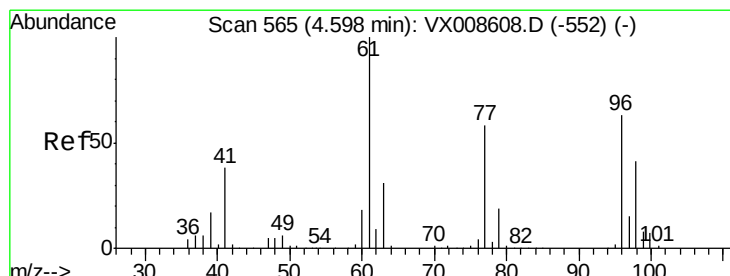
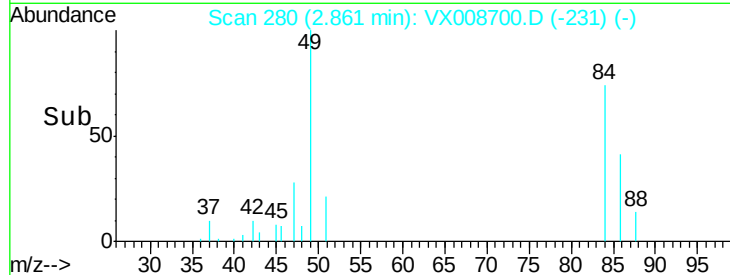
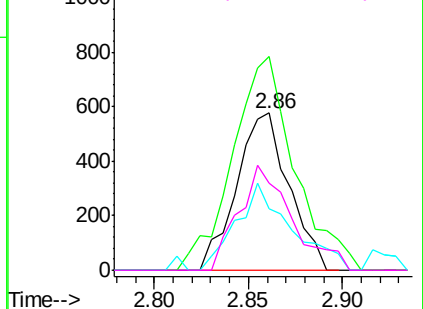
#20
Methvlene Chloride
Concen: 0.377 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008700.D
Acq: 05 Apr 2019 22:26

Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-190404DL

Tot Ion: 84 Resp: 1108
Ion Ratio Lower Upper
84 100
49 125.6 109.7 164.5
51 39.2 33.6 50.4
86 55.5 51.4 77.2

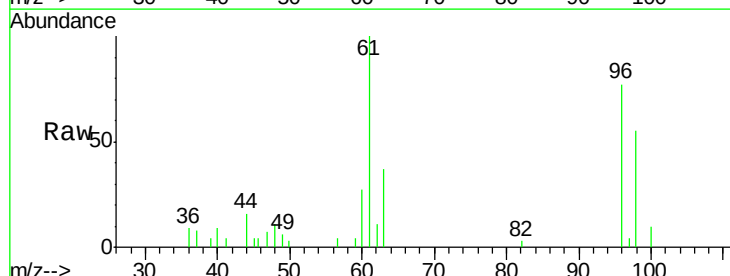


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

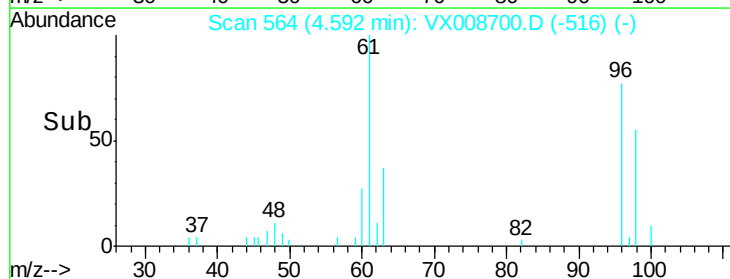
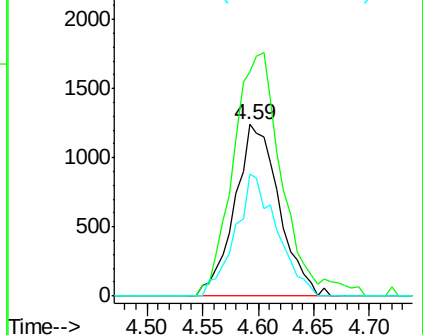


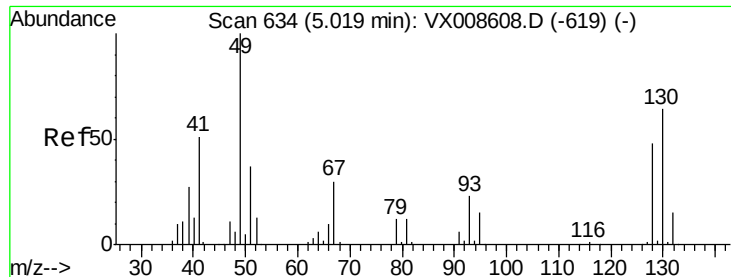
#27
cis-1,2-Dichloroethene
Concen: 1.151 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008700.D
Acq: 05 Apr 2019 22:26

Tgt Ion: 96 Resp: 3455
Ion Ratio Lower Upper
96 100
61 154.9 0.0 327.6
98 66.7 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008700.D

Acq: 05 Apr 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

ST008MW336-190404DL

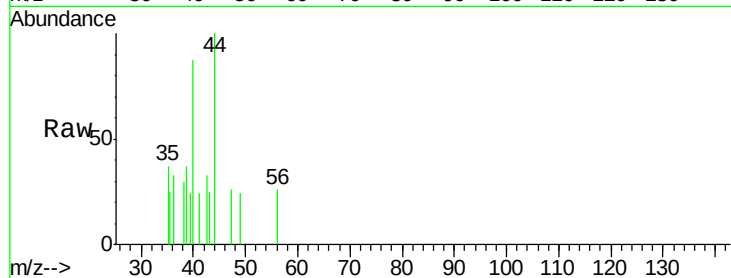
Tot Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

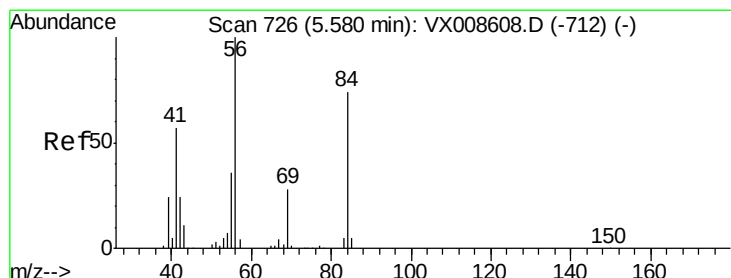
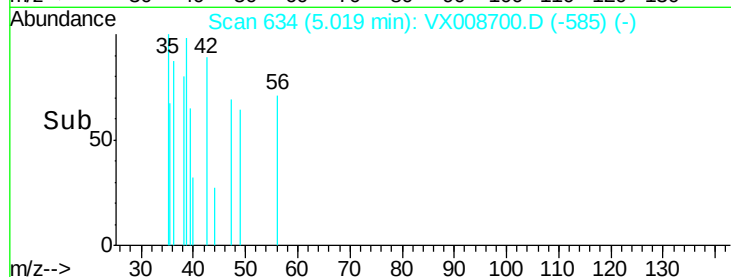
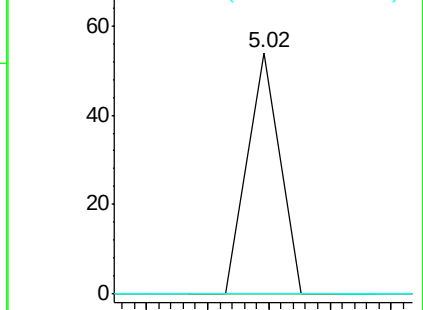
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.921 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008700.D

Acq: 05 Apr 2019 22:26

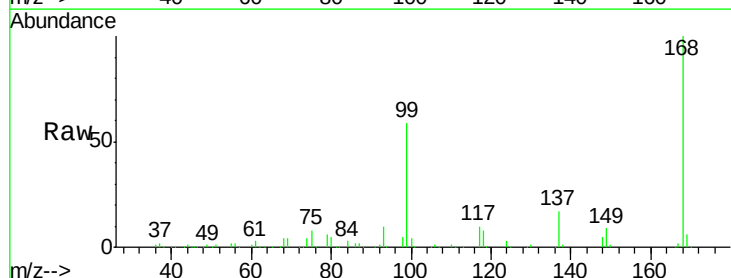
Tgt Ion: 56 Resp: 4846

Ion Ratio Lower Upper

56 100

69 170.7 22.6 33.8#

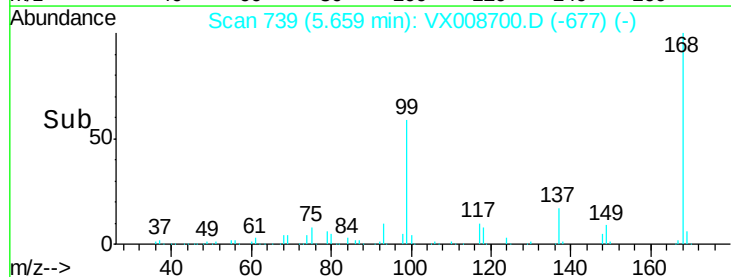
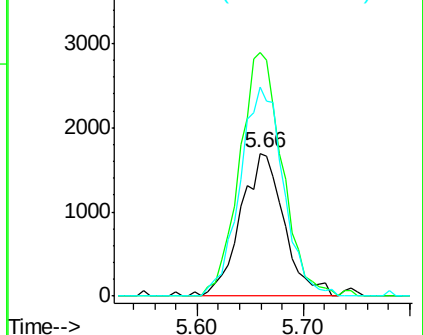
84 146.8 59.3 88.9#

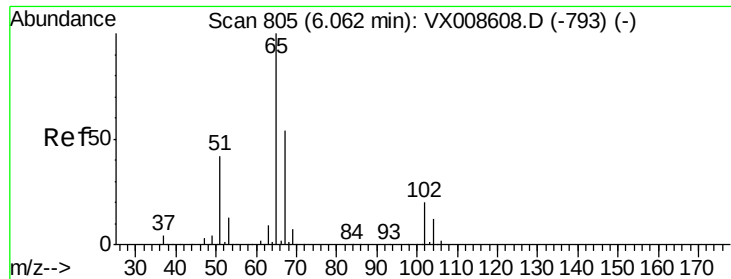


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

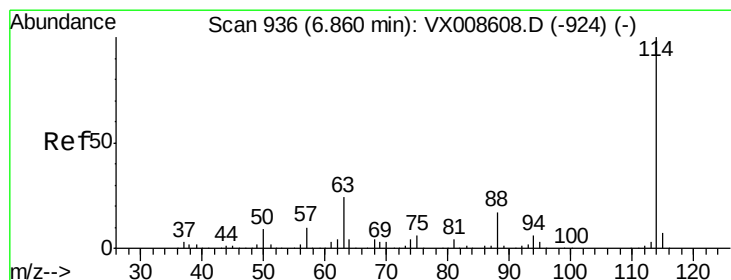
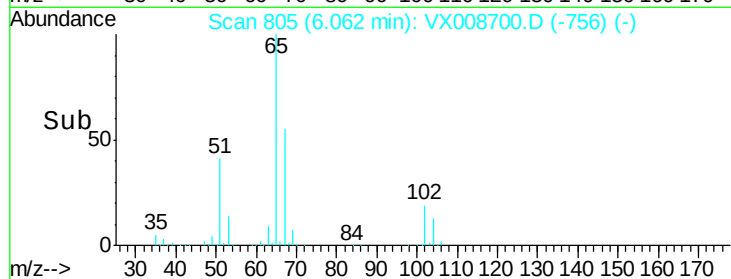
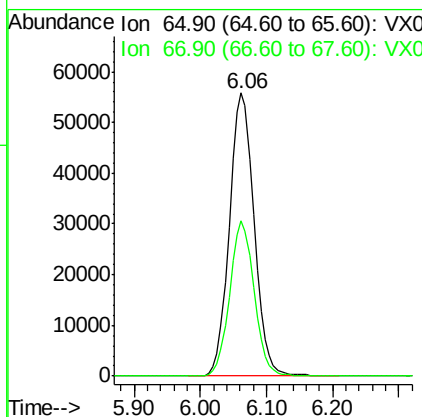
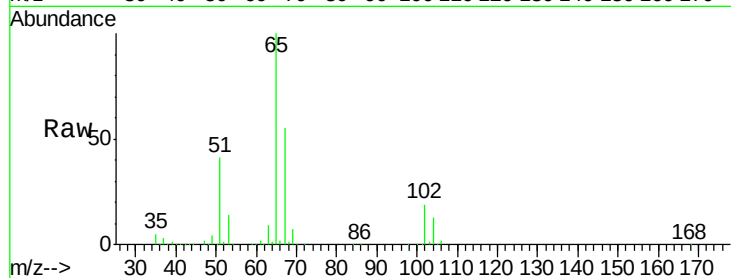




#33
 1,2-Dichloroethane-d4
 Concen: 47.516 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008700.D
 Acq: 05 Apr 2019 22:26

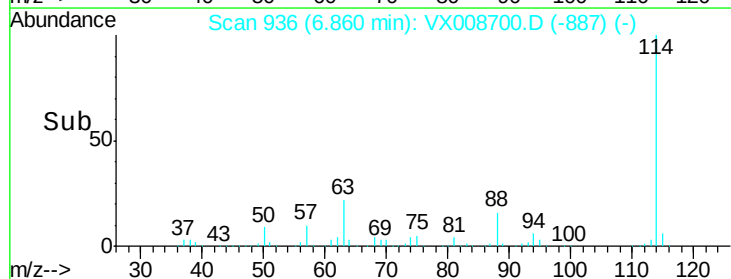
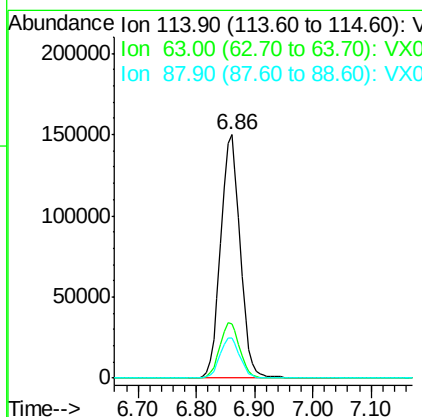
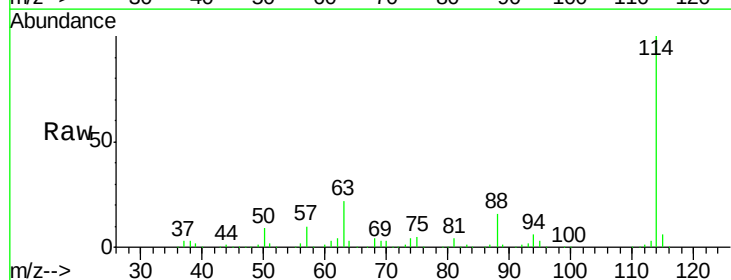
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW336-190404DL

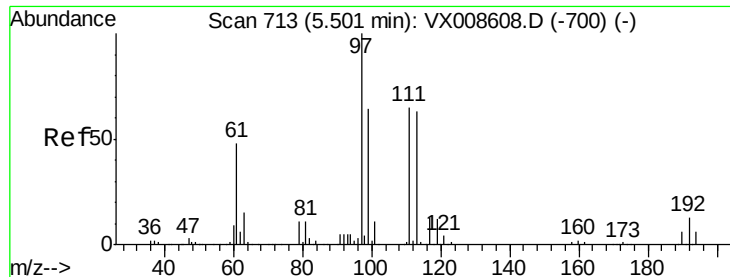
Tot Ion: 65 Resp: 144679
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008700.D
 Acq: 05 Apr 2019 22:26

Tgt Ion: 114 Resp: 349758
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.2
 88 16.3 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.054 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008700.D

Acq: 05 Apr 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

ST008MW336-190404DL

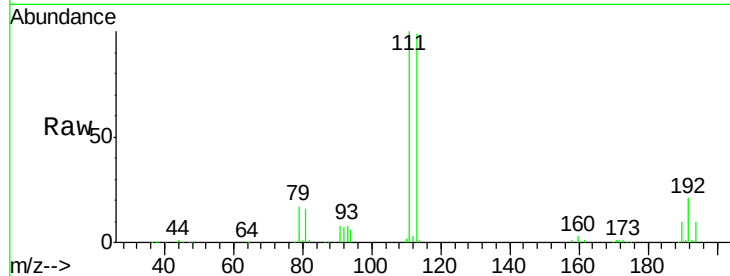
Tot Ion:113 Resp: 105223

Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.2

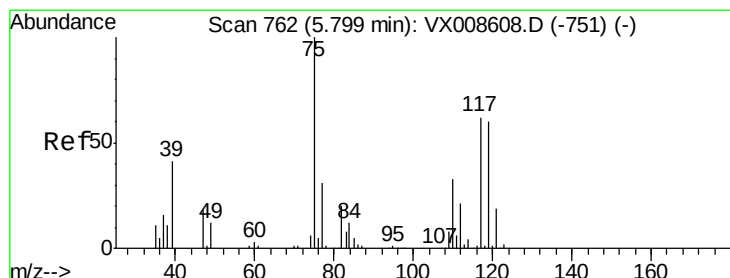
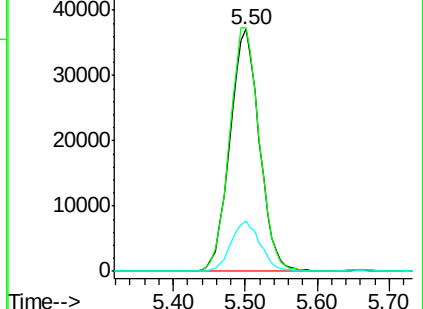
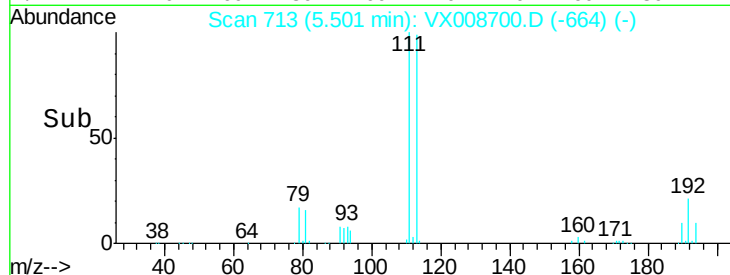
192 20.7 16.1 24.1



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: 4.566 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008700.D

Acq: 05 Apr 2019 22:26

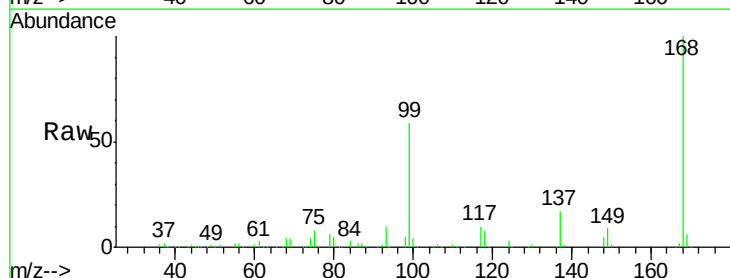
Tgt Ion: 75 Resp: 17455

Ion Ratio Lower Upper

75 100

110 8.1 16.4 49.2#

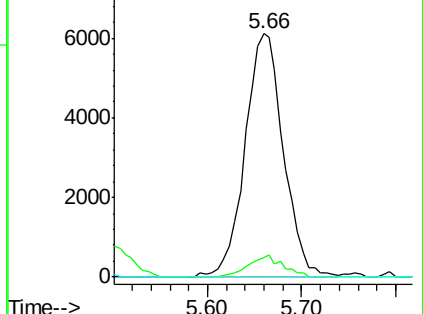
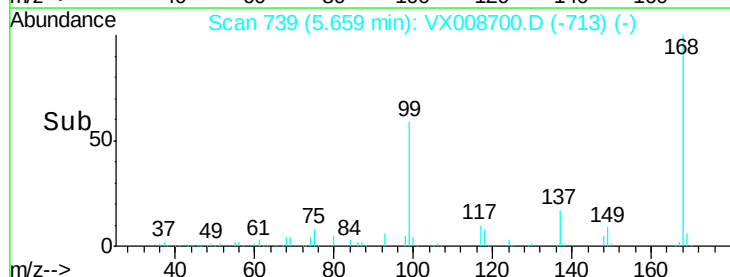
77 0.0 24.7 37.1#

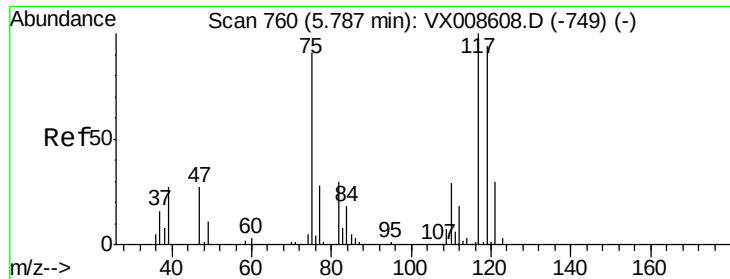


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.368 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008700.D

Acq: 05 Apr 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

ST008MW336-190404DL

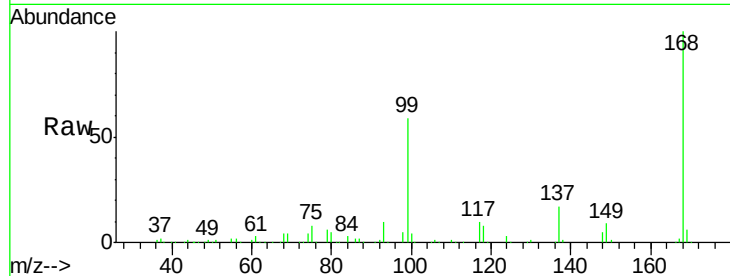
Tot Ion:117 Resp: 20149

Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.6#

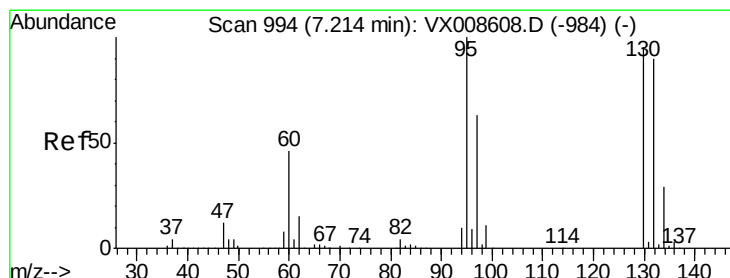
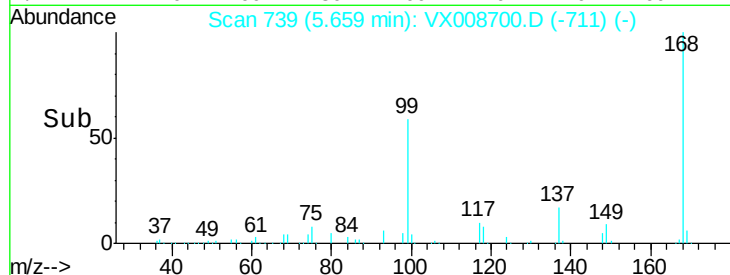
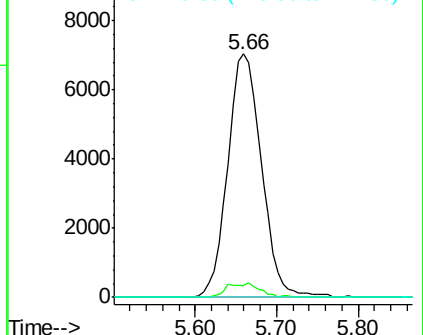
121 0.0 24.3 36.5#



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: 0.873 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008700.D

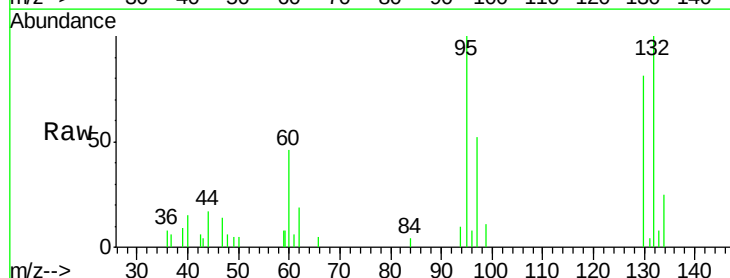
Acq: 05 Apr 2019 22:26

Tgt Ion:130 Resp: 2316

Ion Ratio Lower Upper

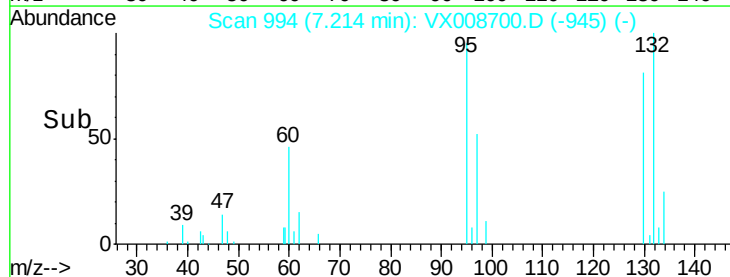
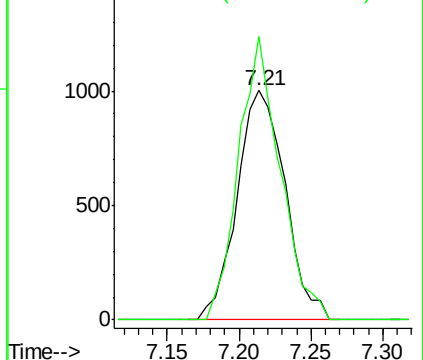
130 100

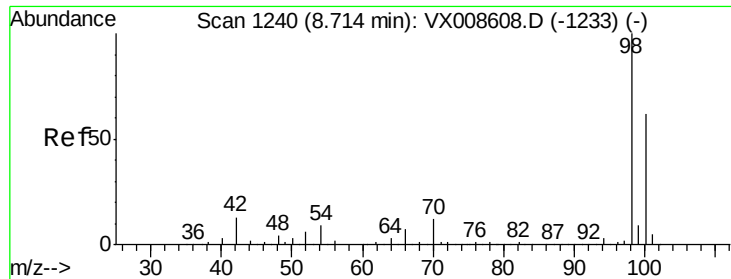
95 123.6 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

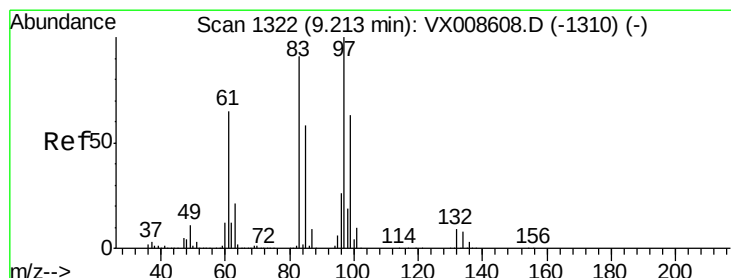
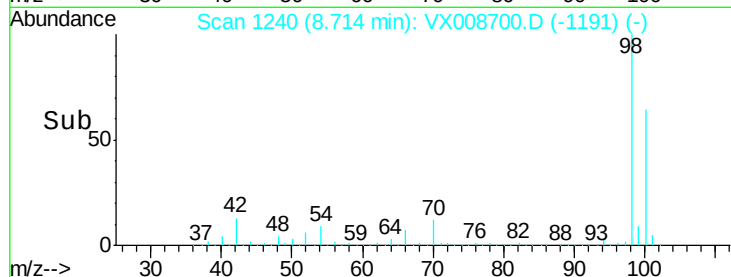
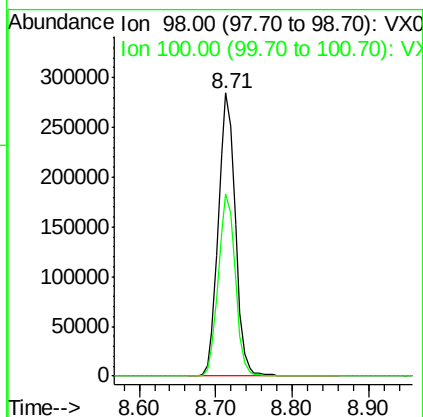
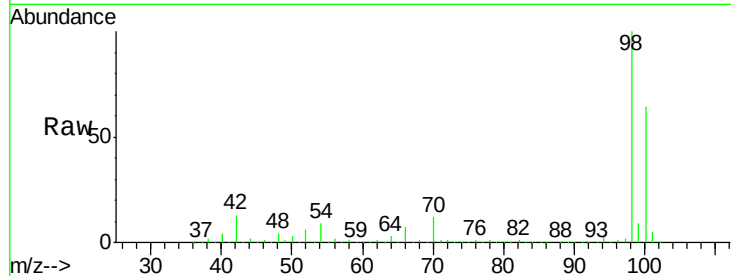




#50
Toluene-d8
Concen: 49.434 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008700.D
Acq: 05 Apr 2019 22:26

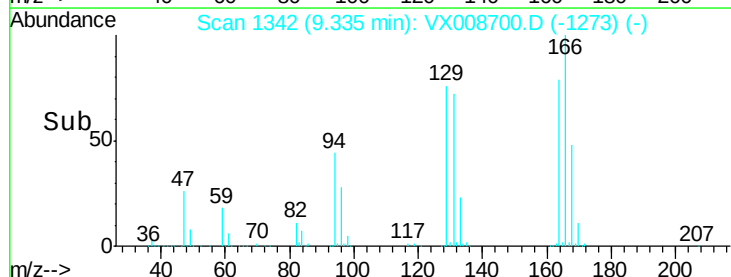
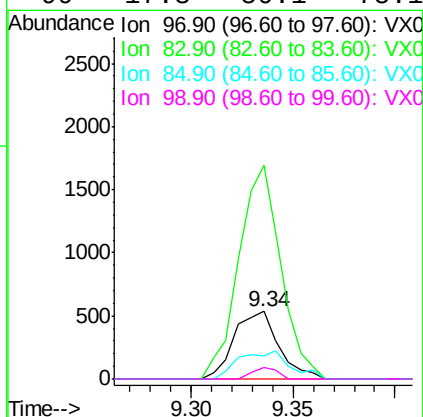
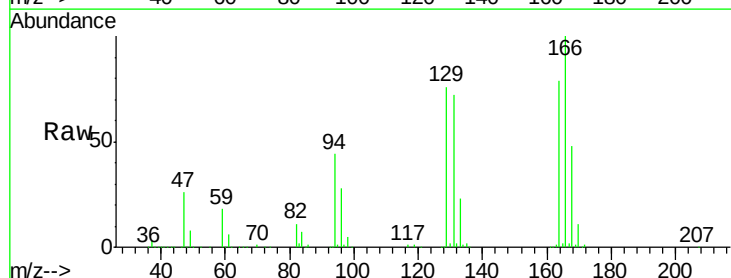
Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-190404DL

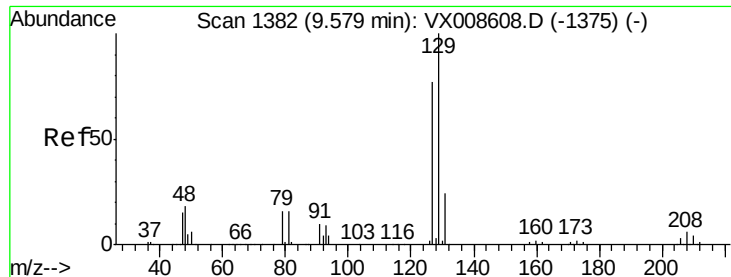
Tot Ion: 98 Resp: 440158
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#55
1,1,2-Trichloroethane
Concen: 0.302 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.12 min
Lab File: VX008700.D
Acq: 05 Apr 2019 22:26

Tgt Ion: 97 Resp: 813
Ion Ratio Lower Upper
97 100
83 315.3 73.2 109.8#
85 33.3 46.6 69.8#
99 17.3 50.1 75.1#





#60

Dibromochloromethane

Concen: 33.369 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008700.D

Acq: 05 Apr 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

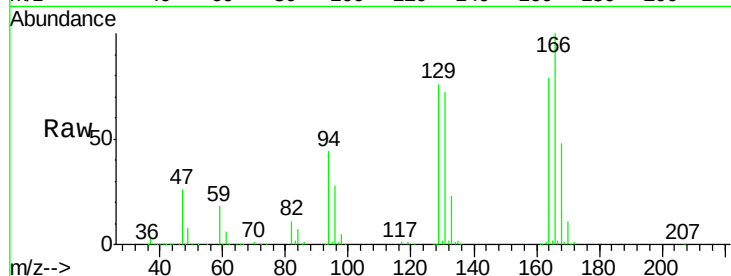
ST008MW336-190404DL

Tot Ion:129 Resp: 84756

Ion Ratio Lower Upper

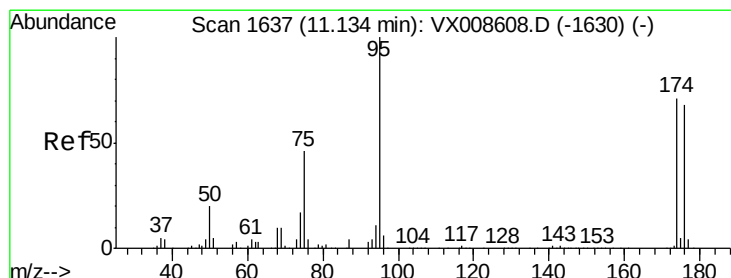
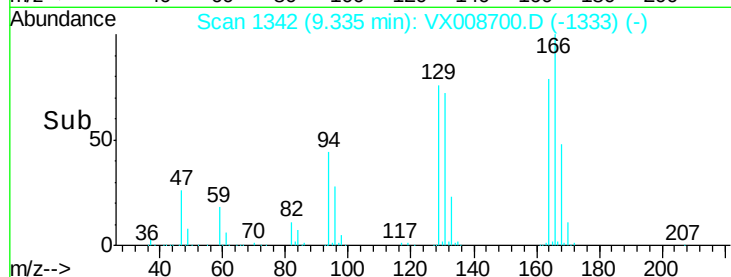
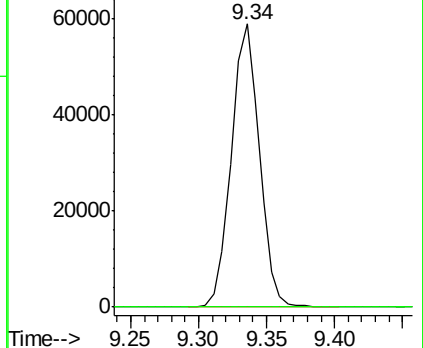
129 100

127 0.1 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 47.099 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008700.D

Acq: 05 Apr 2019 22:26

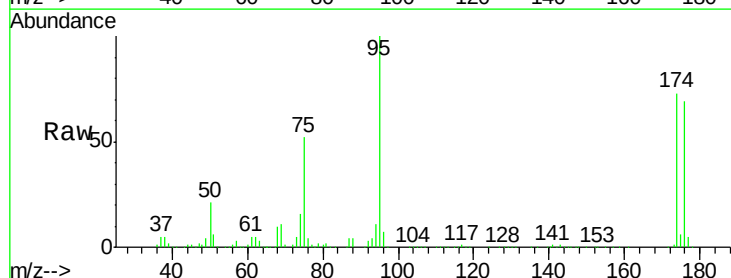
Tgt Ion: 95 Resp: 148715

Ion Ratio Lower Upper

95 100

174 78.2 0.0 151.8

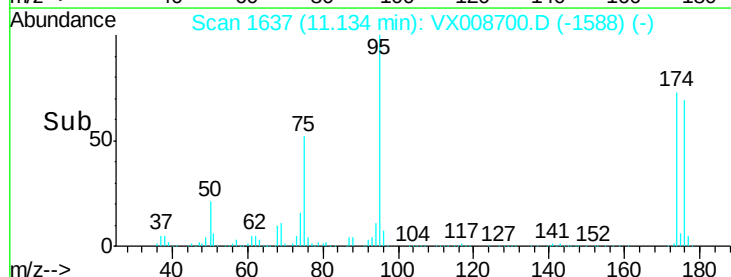
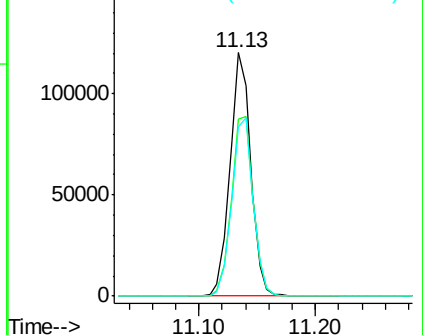
176 75.9 0.0 145.8

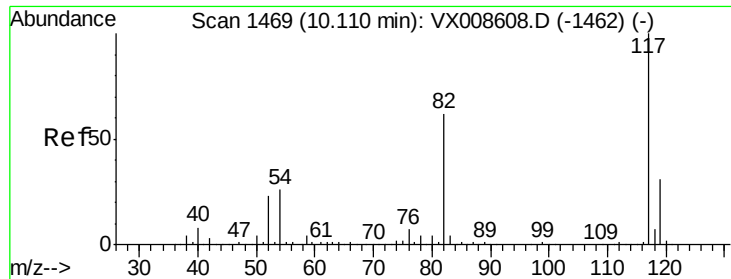


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

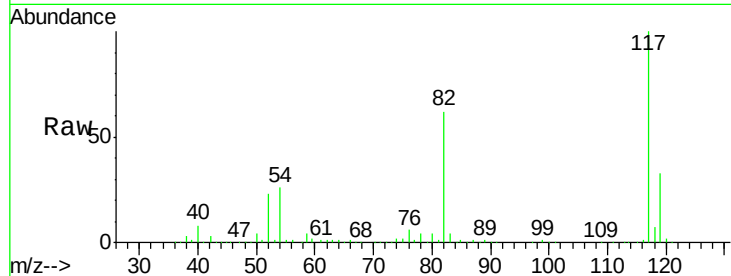




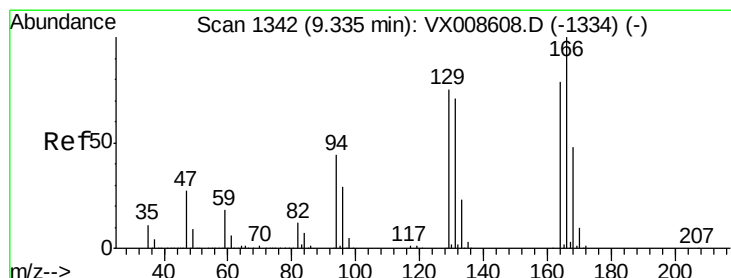
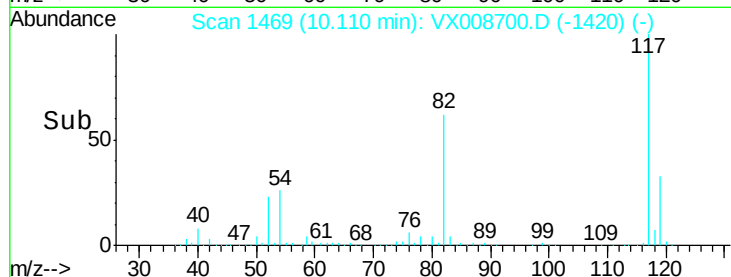
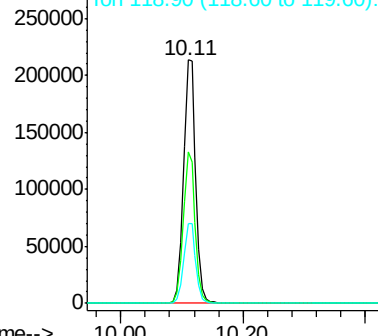
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008700.D
Acq: 05 Apr 2019 22:26

Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-190404DL

Tot Ion:117 Resp: 304184
Ion Ratio Lower Upper
117 100
82 62.5 49.6 74.4
119 32.6 25.0 37.4



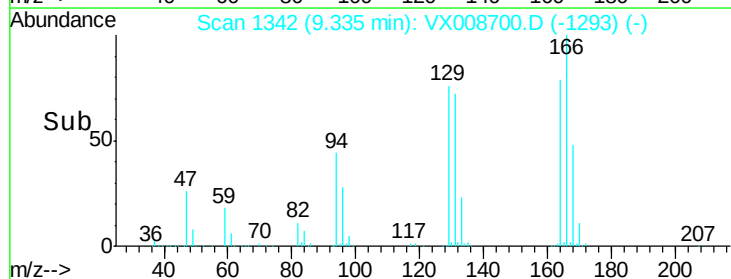
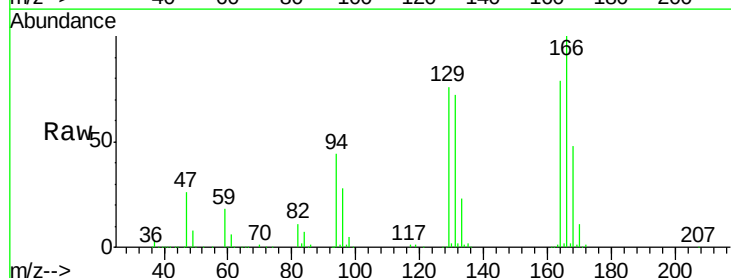
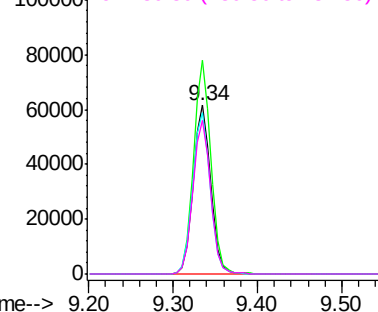
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

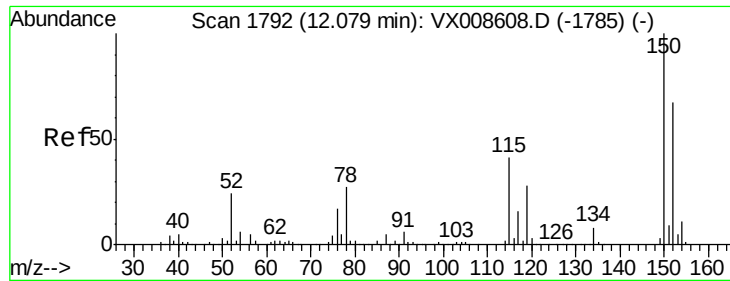


#64
Tetrachloroethene
Concen: 39.204 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008700.D
Acq: 05 Apr 2019 22:26

Tgt Ion:164 Resp: 88353
Ion Ratio Lower Upper
164 100
166 126.7 101.0 151.6
129 95.8 75.8 113.8
131 90.9 71.8 107.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



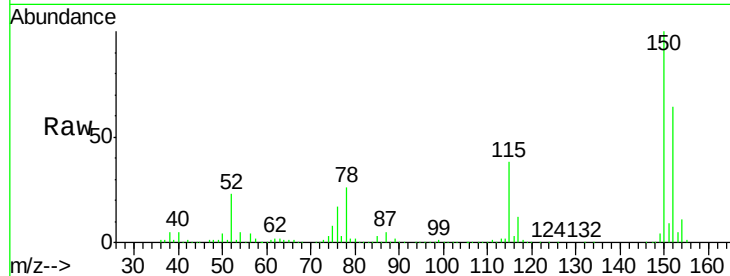


#72

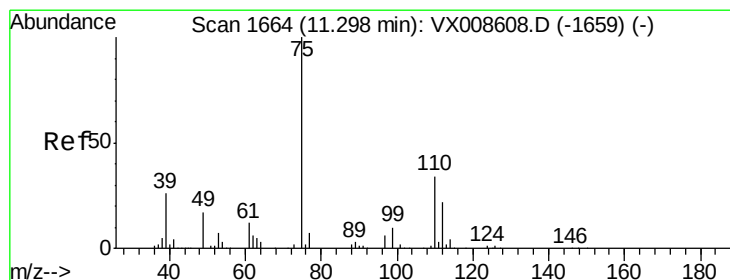
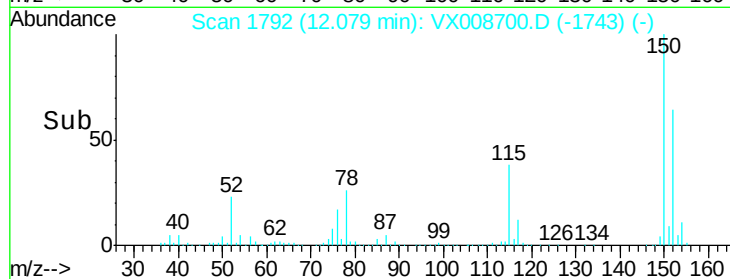
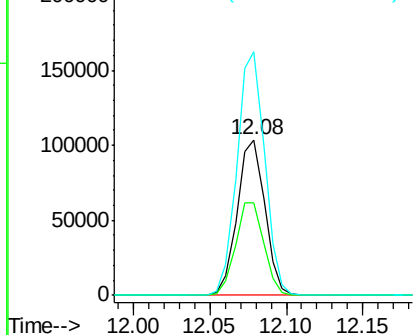
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008700.D
Acq: 05 Apr 2019 22:26

Instrument :
MSVOA_X
ClientSampleId :
ST008MW336-190404DL

Tot Ion:152 Resp: 129932
Ion Ratio Lower Upper
152 100
115 61.0 43.5 130.5
150 157.3 0.0 348.8



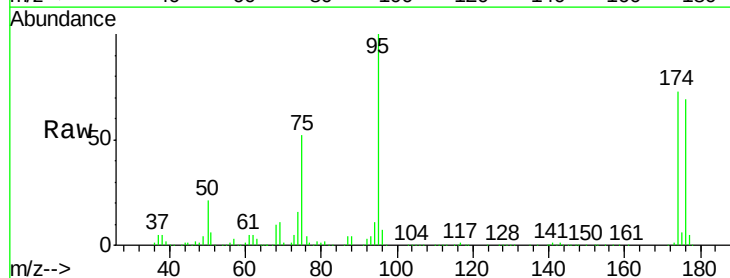
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



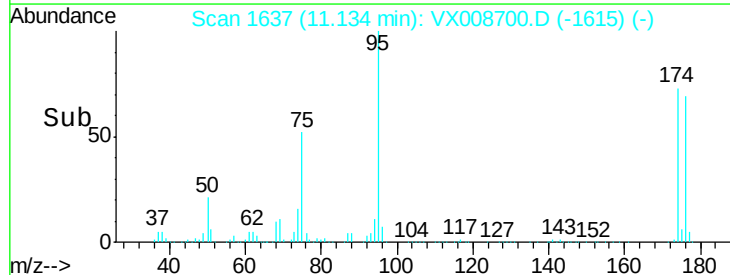
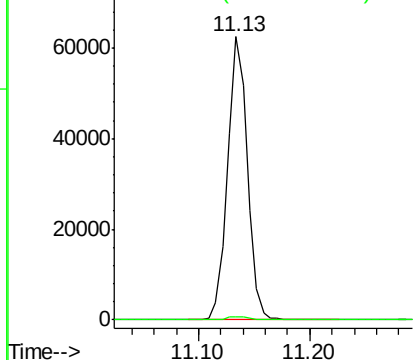
#76

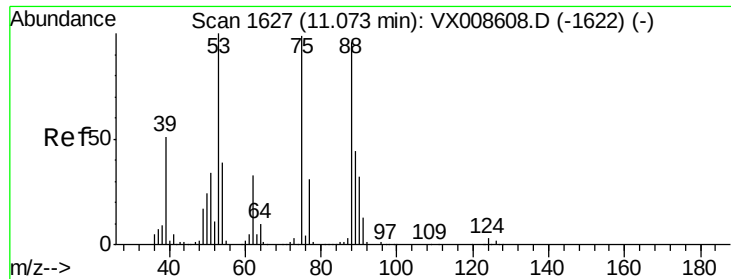
1,2,3-Trichloropropane
Concen: 21.508 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008700.D
Acq: 05 Apr 2019 22:26

Tgt Ion: 75 Resp: 76768
Ion Ratio Lower Upper
75 100
77 1.2 22.3 66.8#



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: 59.286 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008700.D

Acq: 05 Apr 2019 22:26

Instrument :

MSVOA_X

ClientSampleId :

ST008MW336-190404DL

Tot Ion: 75 Resp: 76768

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#

