

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006732.D
 Acq On : 21 Dec 2018 19:04
 Operator : JC/MD
 Sample : J6484-03DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 965-MW-03A(17)DL

Quant Time: Dec 22 04:06:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	626412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	969710	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	861961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	410350	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	336744	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
35) Dibromofluoromethane	5.51	113	298423	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	8.71	98	1127844	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	11.13	95	393051	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	

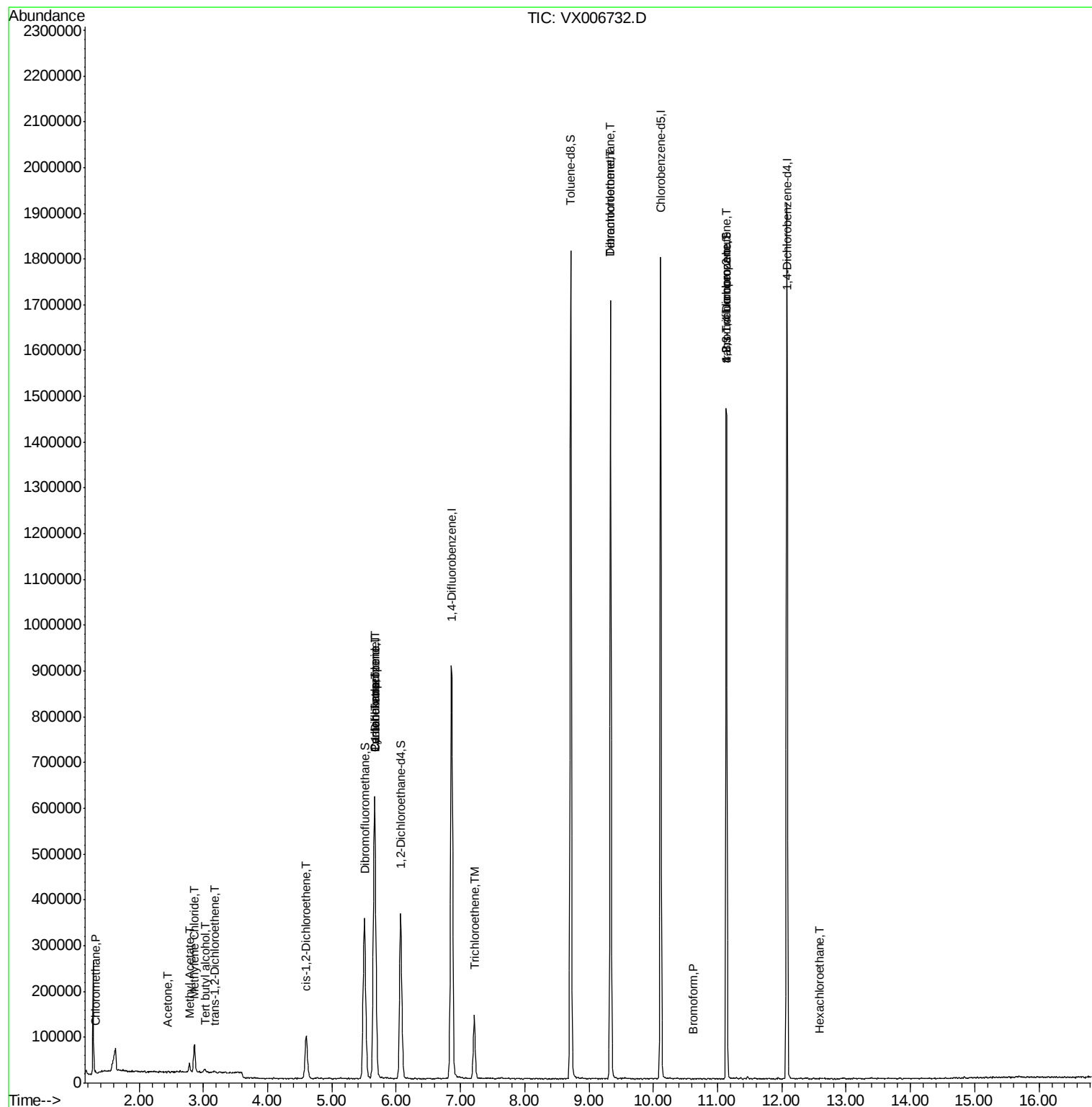
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2251	0.365	ug/l #	72
5) Bromomethane	1.64	94	1532	Below Cal	#	50
11) Tert butyl alcohol	3.03	59	6008	3.988	ug/l #	82
16) Acetone	2.45	43	3290	1.061	ug/l #	59
18) Methyl Acetate	2.78	43	21703	2.380	ug/l	93
20) Methylene Chloride	2.86	84	27692	4.318	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	1853	0.299	ug/l #	75
27) cis-1,2-Dichloroethene	4.60	96	65988	9.645	ug/l	90
28) Bromochloromethane	4.99	49	160	Below Cal	#	59
31) Cyclohexane	5.67	56	10480	1.121	ug/l #	13
36) 1,1-Dichloropropene	5.67	75	40538	5.047	ug/l #	50
38) Carbon Tetrachloride	5.67	117	59604	7.636	ug/l #	15
44) Trichloroethene	7.21	130	55547	7.518	ug/l	99
49) 1,4-Dioxane	7.76	88	80	Below Cal	#	1
60) Dibromochloromethane	9.34	129	309241	45.996	ug/l #	10
64) Tetrachloroethene	9.34	164	332405	48.701	ug/l	99
71) Bromoform	10.62	173	92	4.476	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	185029	24.263	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	185029	71.821	ug/l #	10
90) Hexachloroethane	12.58	117	180	3.336	ug/l #	6

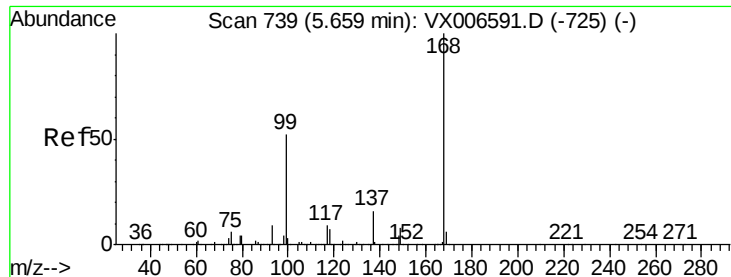
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122118\
Data File : VX006732.D
Acq On : 21 Dec 2018 19:04
Operator : JC/MD
Sample : J6484-03DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
965-MW-03A(17)DL

Quant Time: Dec 22 04:06:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

Instrument :

MSVOA_X

ClientSampleId :

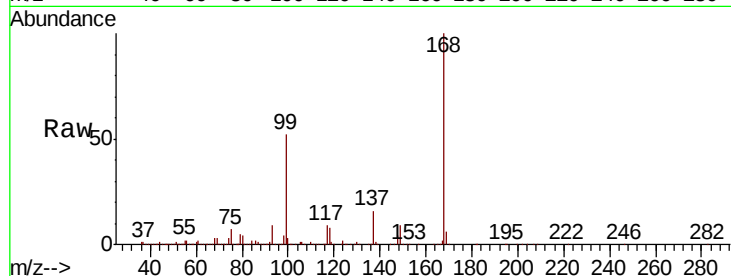
965-MW-03A(17)DL

Tot Ion:168 Resp: 626412

Ion Ratio Lower Upper

168 100

99 51.6 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

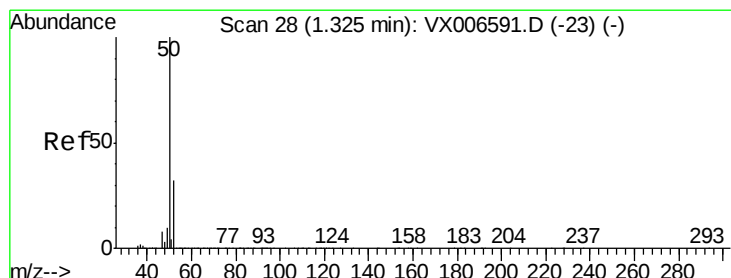
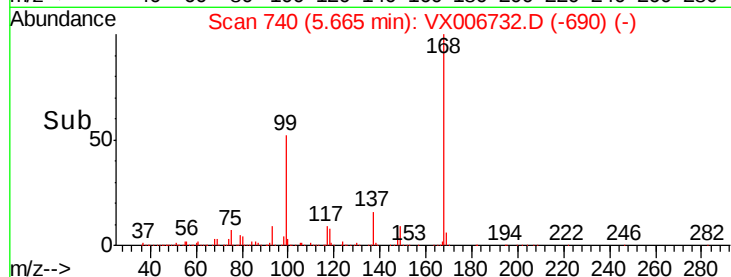
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.365 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006732.D

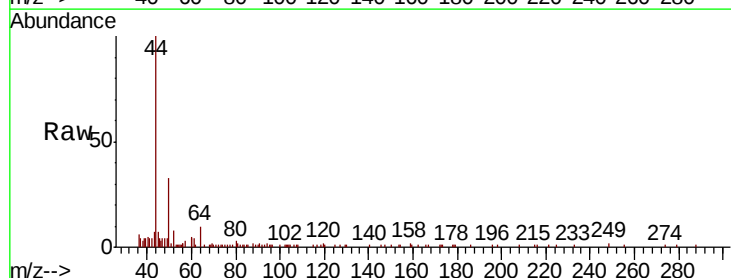
Acq: 21 Dec 2018 19:04

Tgt Ion: 50 Resp: 2251

Ion Ratio Lower Upper

50 100

52 16.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

3000

2500

2000

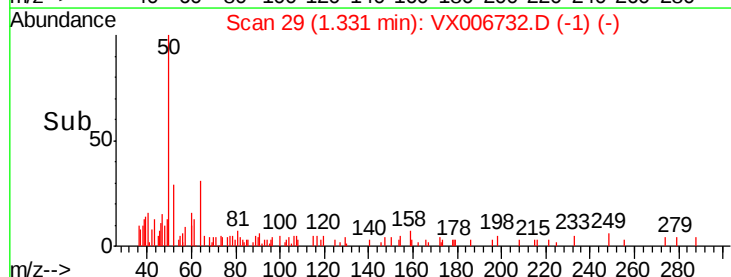
1500

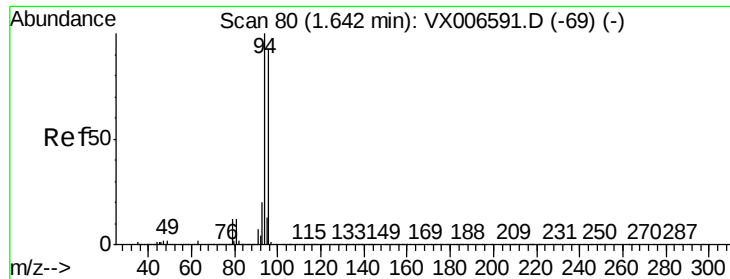
1000

500

0

Time--> 1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

Instrument :

MSVOA_X

ClientSampleId :

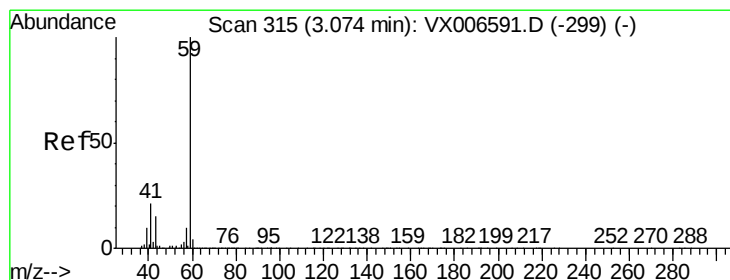
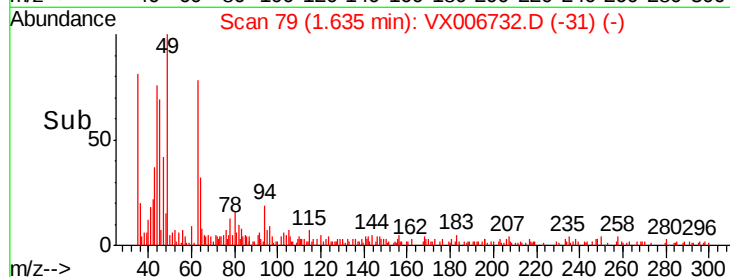
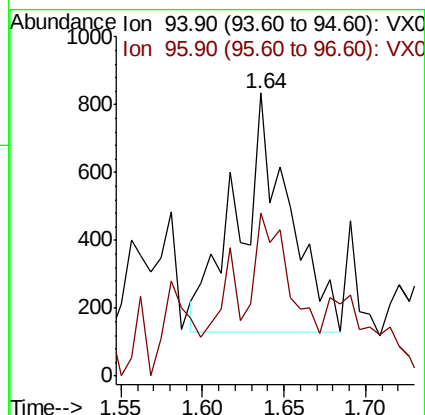
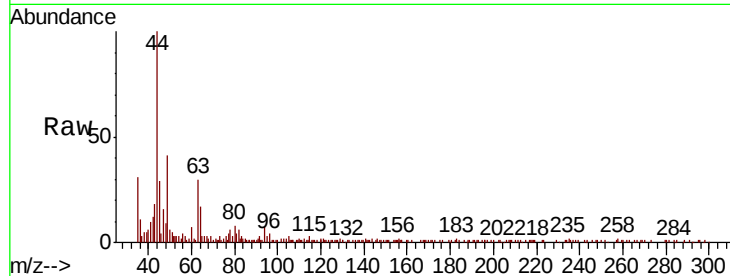
965-MW-03A(17)DL

Tot Ion: 94 Resp: 1532

Ion Ratio Lower Upper

94 100

96 44.1 73.4 110.2#



#11

Tert butyl alcohol

Concen: 3.988 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.04 min

Lab File: VX006732.D

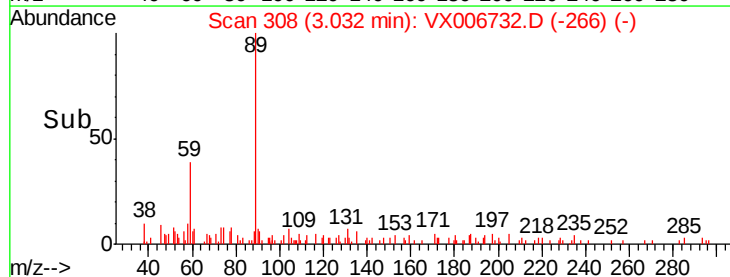
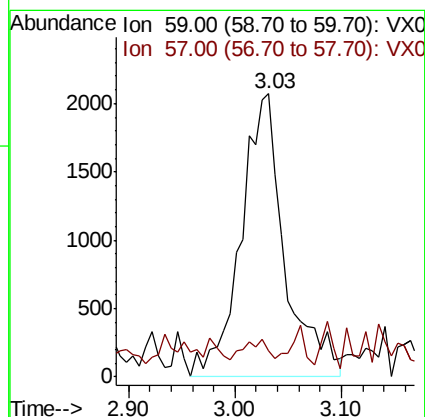
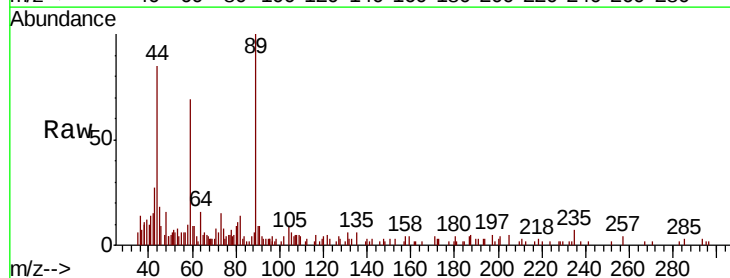
Acq: 21 Dec 2018 19:04

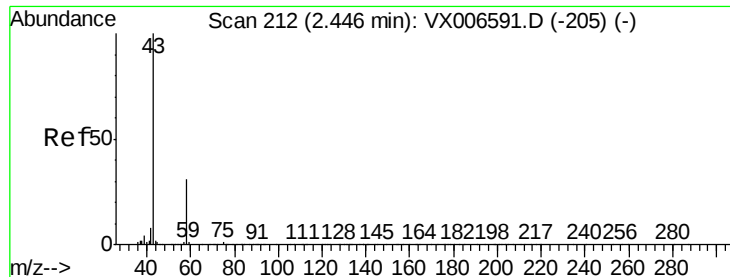
Tgt Ion: 59 Resp: 6008

Ion Ratio Lower Upper

59 100

57 3.8 8.5 12.7#





#16

Acetone

Concen: 1.061 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

Instrument :

MSVOA_X

ClientSampleId :

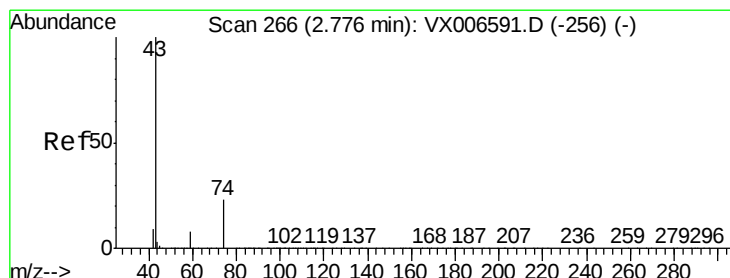
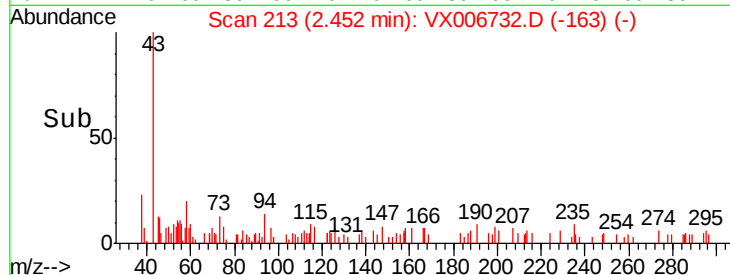
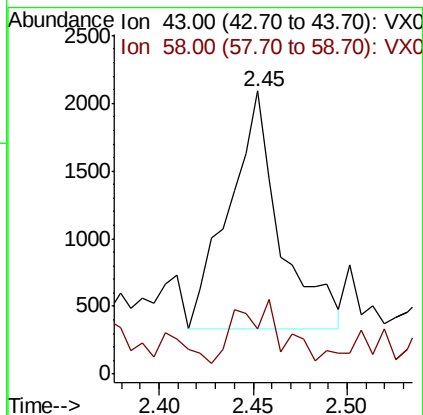
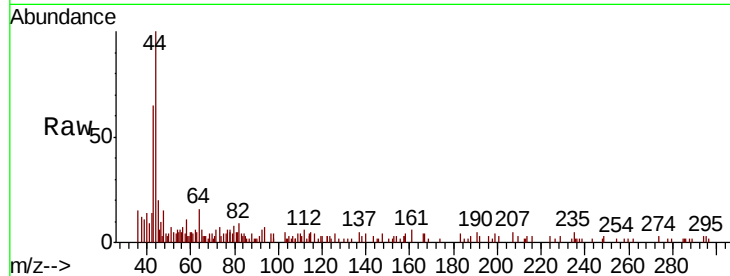
965-MW-03A(17)DL

Tot Ion: 43 Resp: 3290

Ion Ratio Lower Upper

43 100

58 8.6 25.0 37.6#



#18

Methyl Acetate

Concen: 2.380 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006732.D

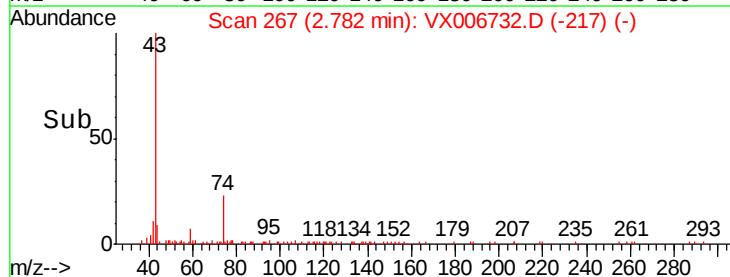
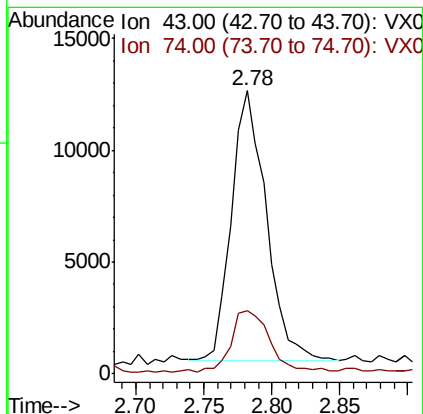
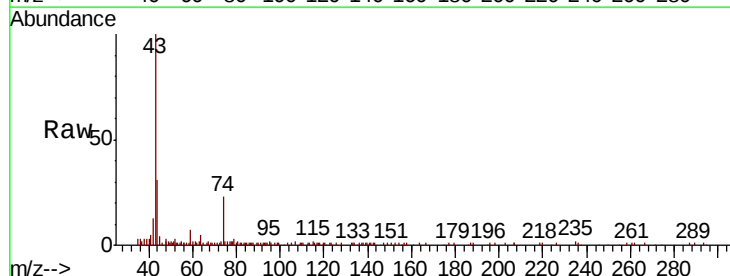
Acq: 21 Dec 2018 19:04

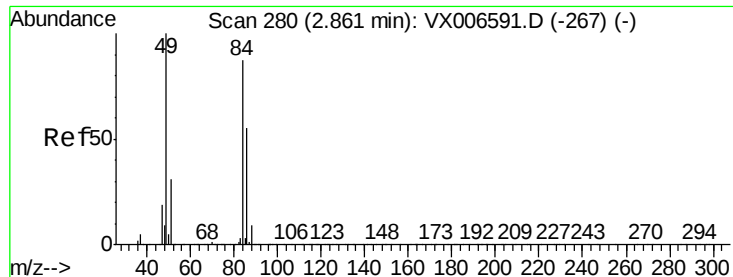
Tgt Ion: 43 Resp: 21703

Ion Ratio Lower Upper

43 100

74 26.9 18.6 28.0

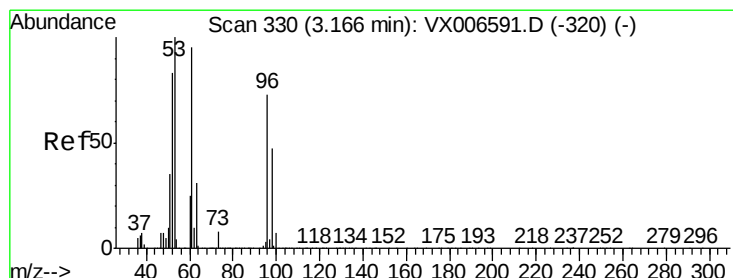
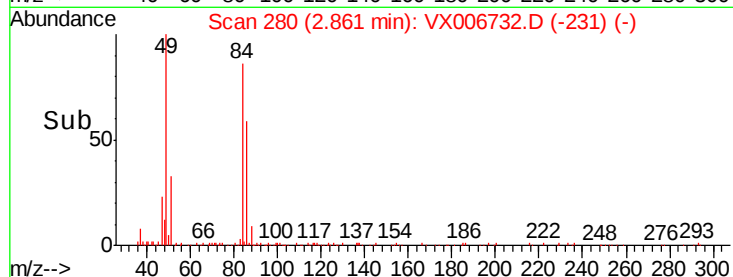
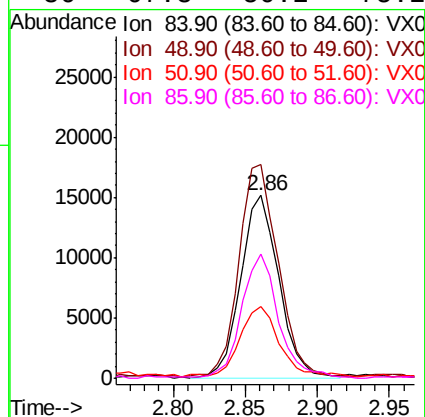
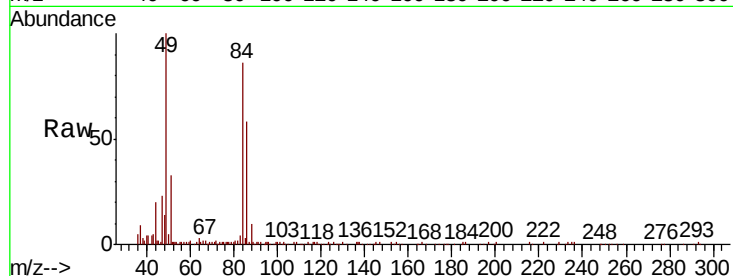




#20
Methvlene Chloride
Concen: 4.318 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006732.D
Acq: 21 Dec 2018 19:04

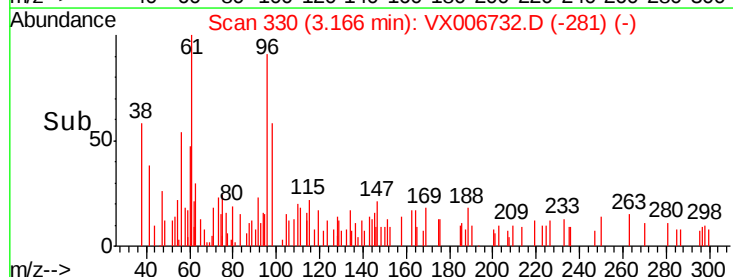
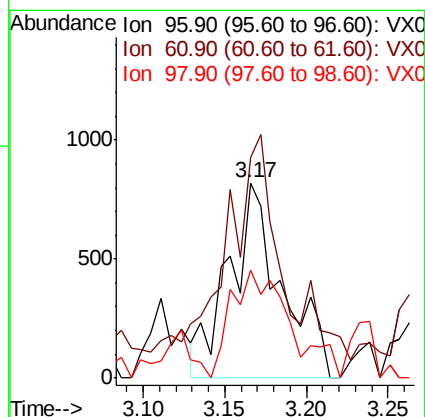
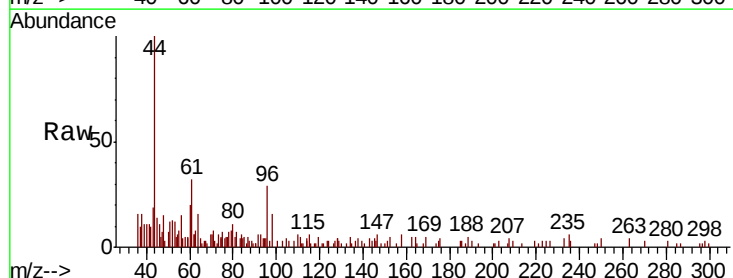
Instrument :
MSVOA_X
ClientSampleId :
965-MW-03A(17)DL

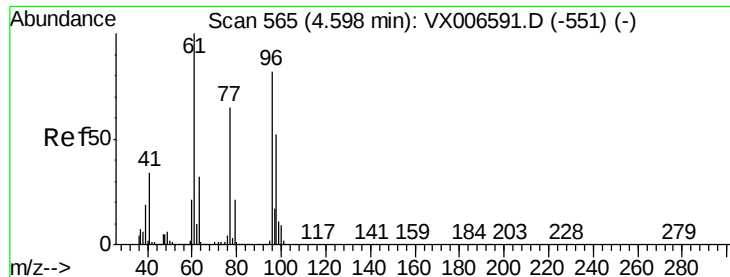
Tot Ion:	84	Resp:	27692
Ion	Ratio	Lower	Upper
84	100		
49	116.1	91.8	137.6
51	36.9	28.5	42.7
86	67.8	50.2	75.2



#21
trans-1,2-Dichloroethene
Concen: 0.299 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX006732.D
Acq: 21 Dec 2018 19:04

Tgt Ion:	96	Resp:	1853
Ion	Ratio	Lower	Upper
96	100		
61	92.4	103.7	155.5#
98	55.3	51.0	76.6



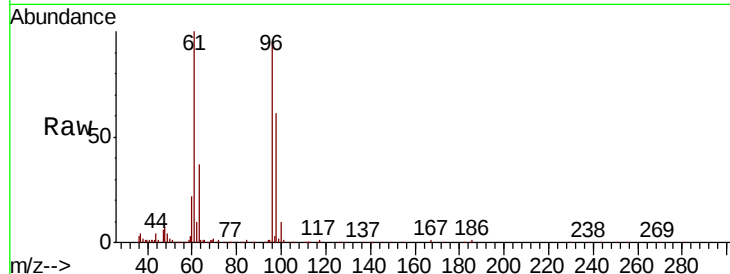


#27

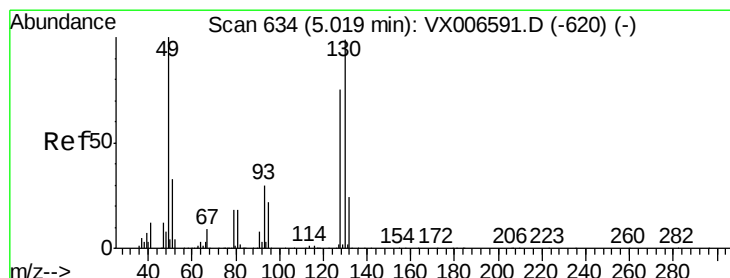
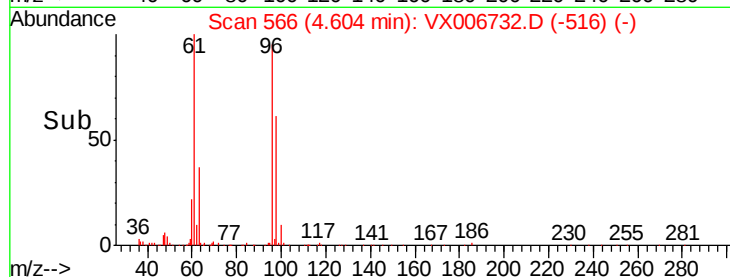
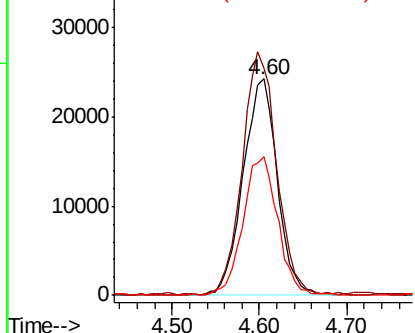
cis-1,2-Dichloroethene
 Concen: 9.645 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX006732.D
 Acq: 21 Dec 2018 19:04

Instrument :
 MSVOA_X
 ClientSampleId :
 965-MW-03A(17)DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	111.9	0.0	258.6
98	65.1	0.0	132.0



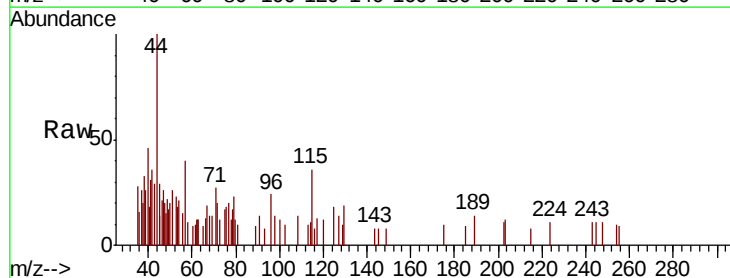
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



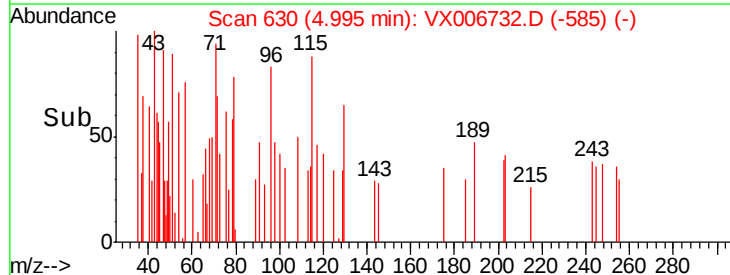
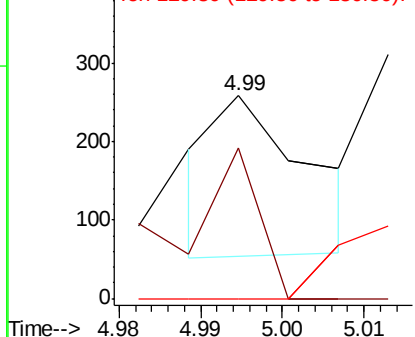
#28

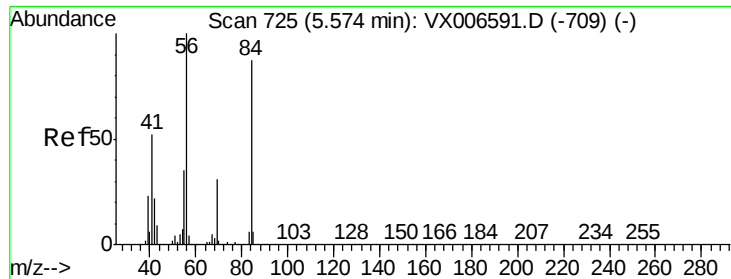
Bromochloromethane
 Concen: Below Cal
 RT: 4.99 min Scan# 630
 Delta R.T. -0.02 min
 Lab File: VX006732.D
 Acq: 21 Dec 2018 19:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	55.6	77.7	116.5#



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

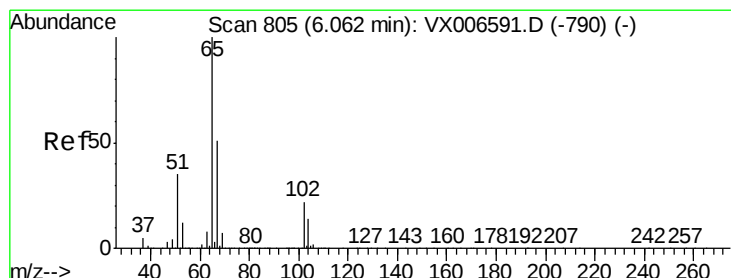
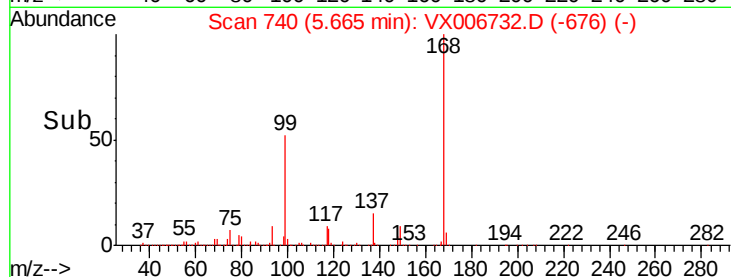
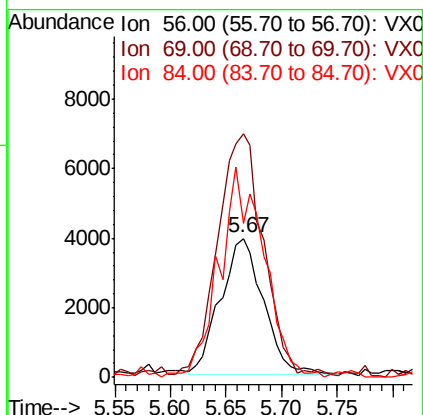
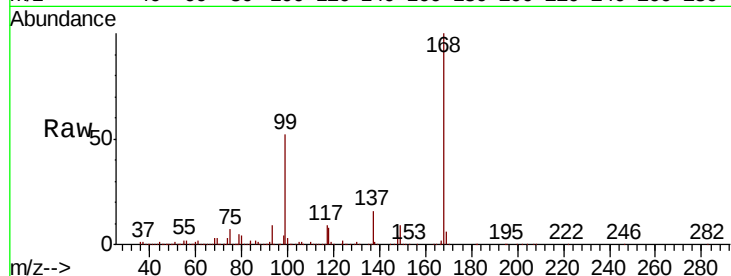




#31
Cyclohexane
Concen: 1.121 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006732.D
Acq: 21 Dec 2018 19:04

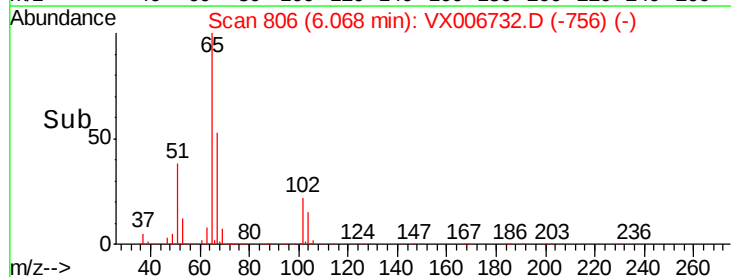
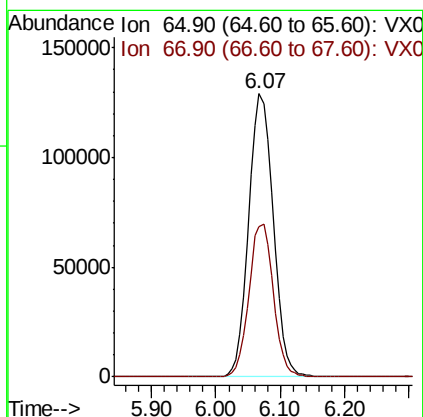
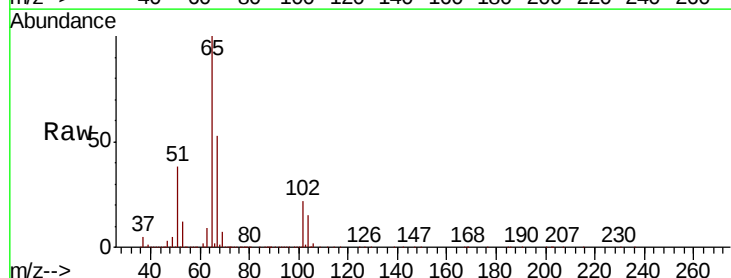
Instrument :
MSVOA_X
ClientSampleId :
965-MW-03A(17)DL

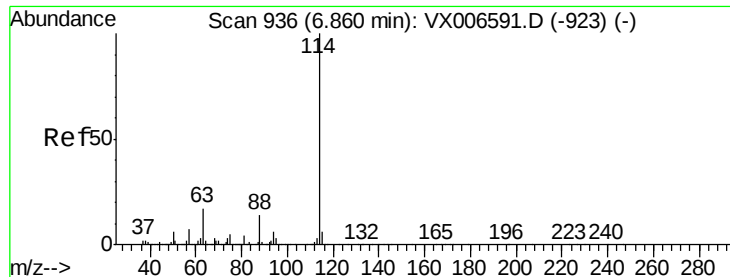
Tot Ion: 56 Resp: 10480
Ion Ratio Lower Upper
56 100
69 177.5 24.4 36.6#
84 109.8 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 49.879 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006732.D
Acq: 21 Dec 2018 19:04

Tgt Ion: 65 Resp: 336744
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

Instrument :

MSVOA_X

ClientSampleId :

965-MW-03A(17)DL

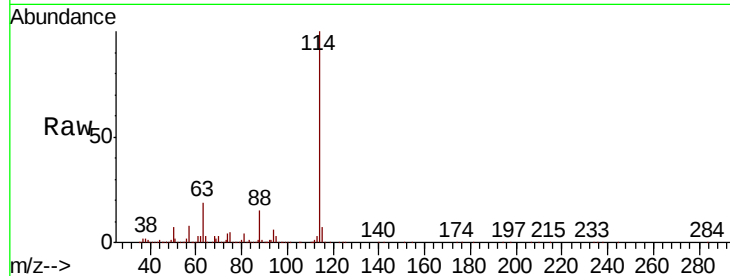
Tot Ion:114 Resp: 969710

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.8

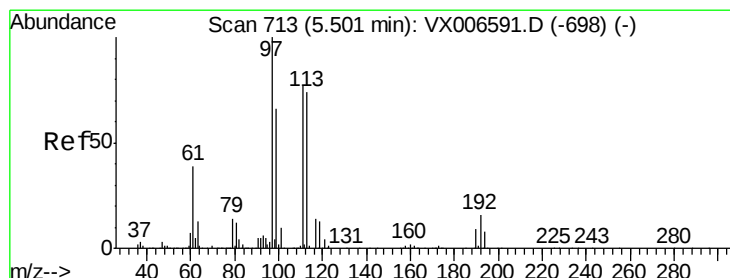
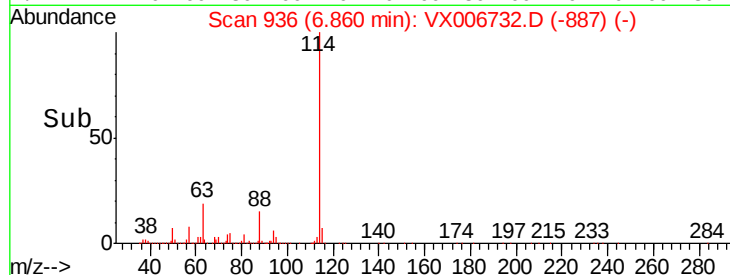
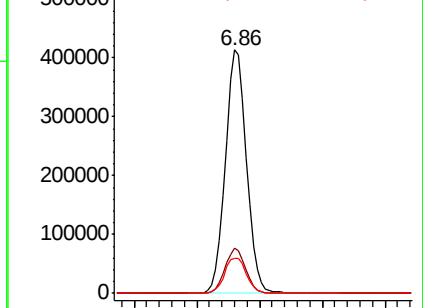
88 14.6 0.0 28.8



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: 48.664 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

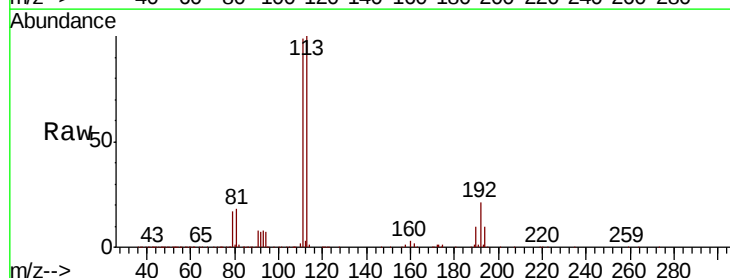
Tgt Ion:113 Resp: 298423

Ion Ratio Lower Upper

113 100

111 101.5 81.6 122.4

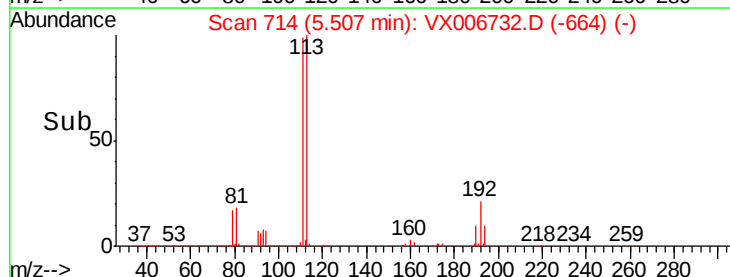
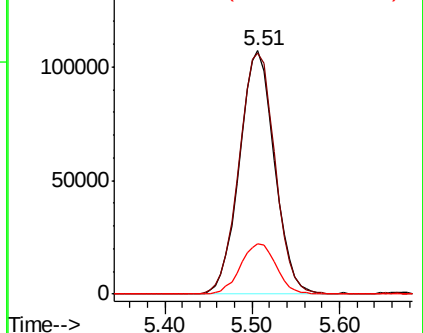
192 21.2 16.7 25.1

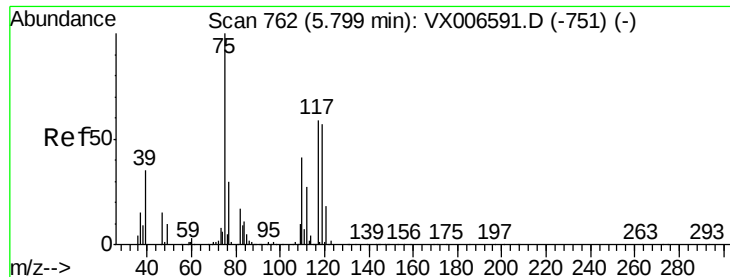


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.047 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

Instrument :

MSVOA_X

ClientSampleId :

965-MW-03A(17)DL

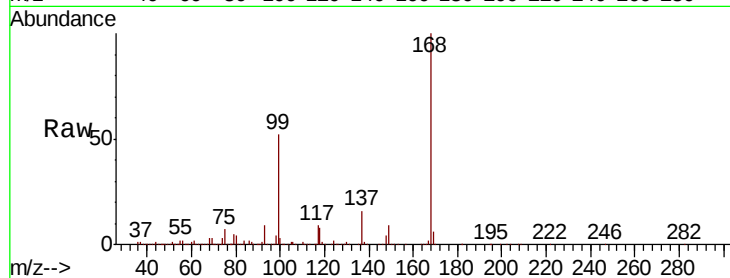
Tot Ion: 75 Resp: 40538

Ion Ratio Lower Upper

75 100

110 11.1 20.2 60.5#

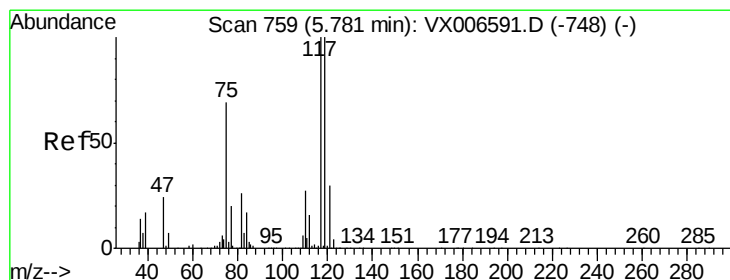
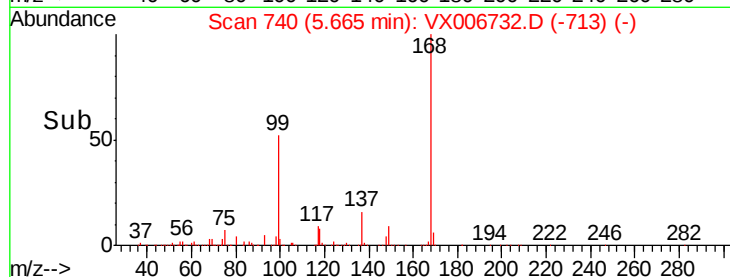
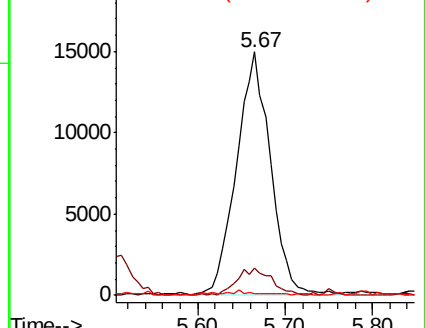
77 1.1 24.8 37.2#



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: 7.636 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

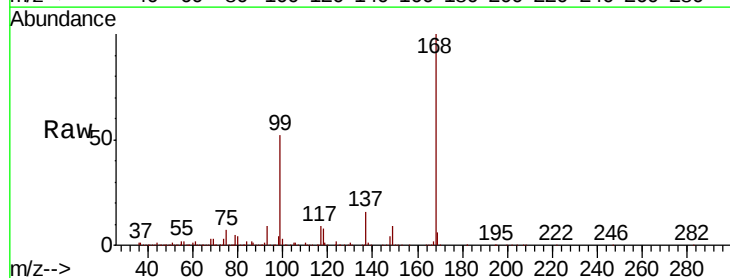
Tgt Ion: 117 Resp: 59604

Ion Ratio Lower Upper

117 100

119 6.2 79.4 119.2#

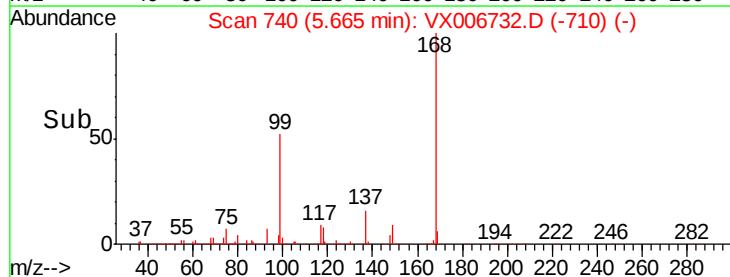
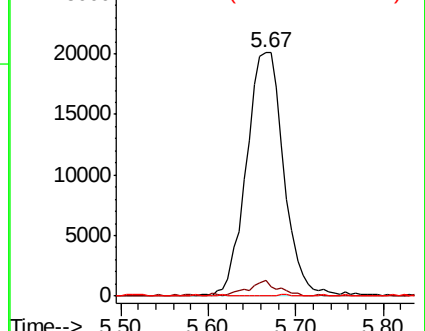
121 0.0 24.0 36.0#

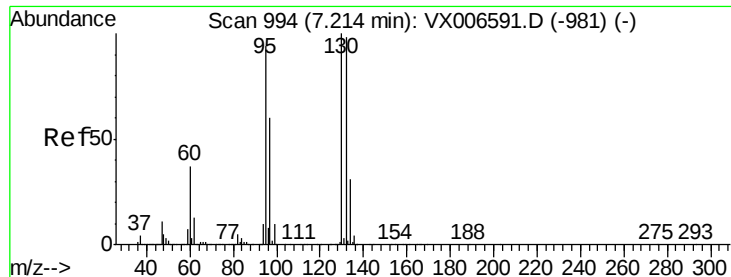


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 7.518 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

Instrument :

MSVOA_X

ClientSampleId :

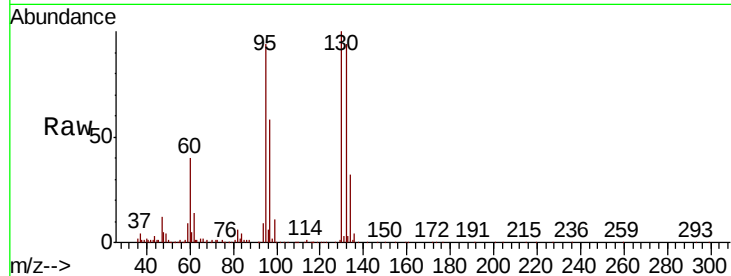
965-MW-03A(17)DL

Tot Ion:130 Resp: 55547

Ion Ratio Lower Upper

130 100

95 94.4 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

30000

25000

20000

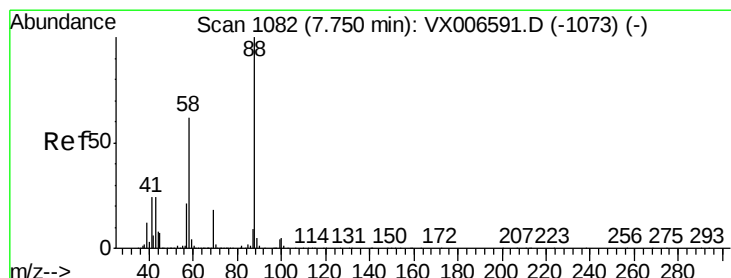
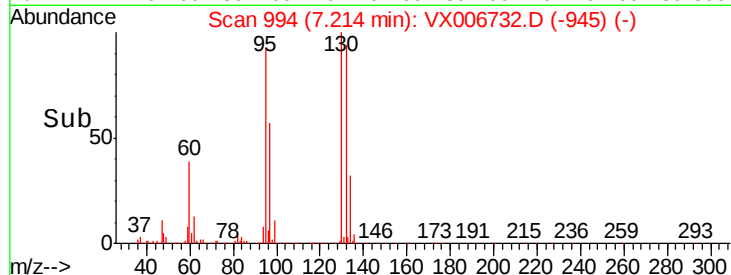
15000

10000

5000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

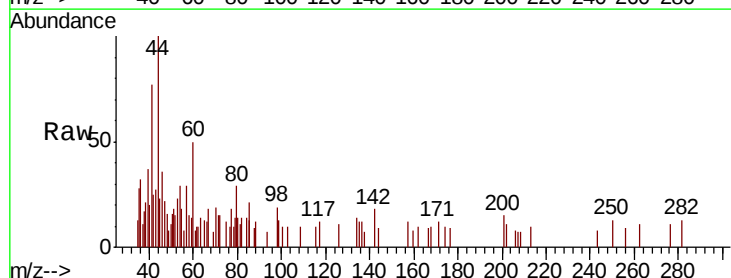
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

43 531.3 22.2 33.4#

58 318.8 51.0 76.4#



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

800

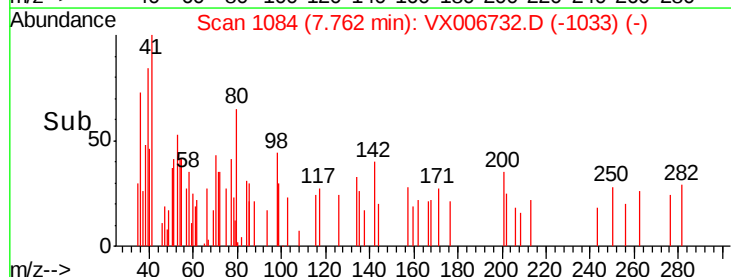
600

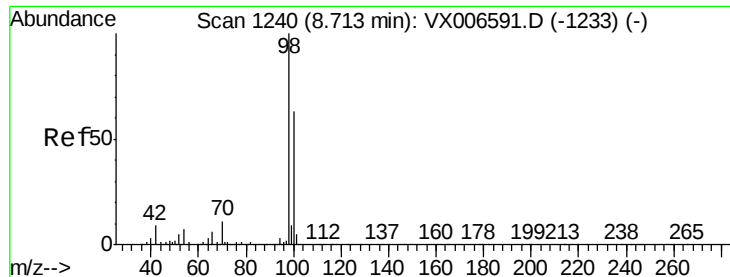
400

200

0

Time--> 7.74 7.76 7.78





#50

Toluene-d8

Concen: 48.785 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

Instrument :

MSVOA_X

ClientSampleId :

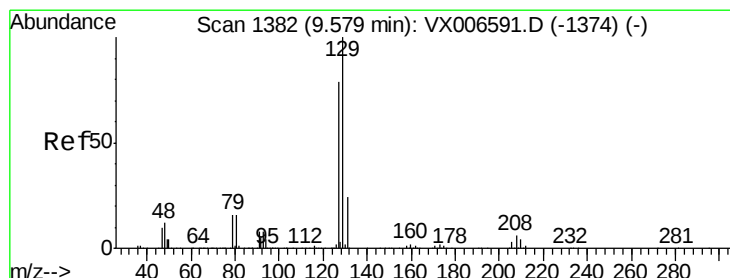
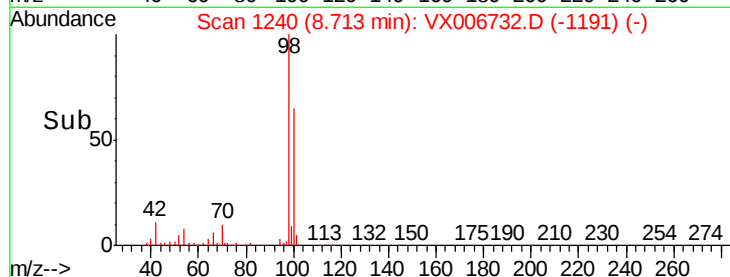
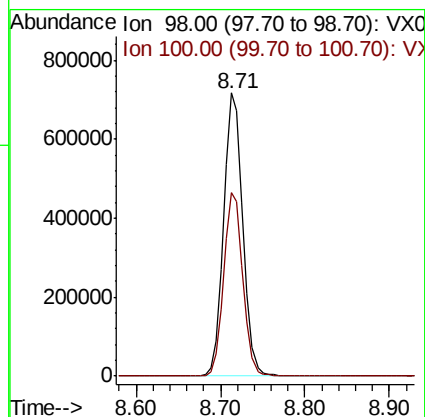
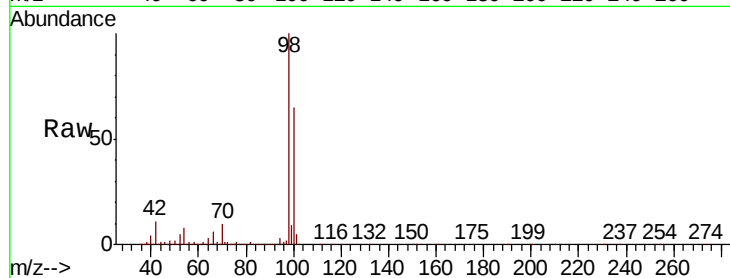
965-MW-03A(17)DL

Tot Ion: 98 Resp: 1127844

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



#60

Dibromochloromethane

Concen: 45.996 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX006732.D

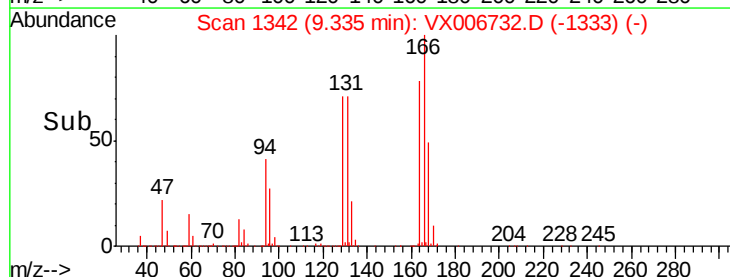
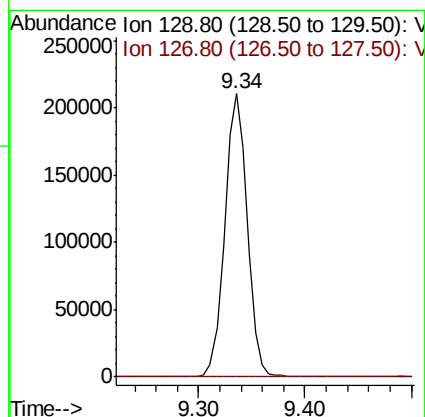
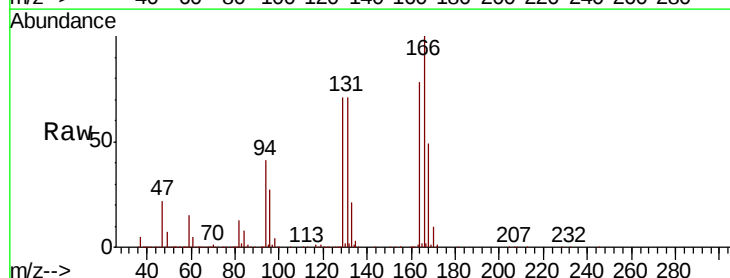
Acq: 21 Dec 2018 19:04

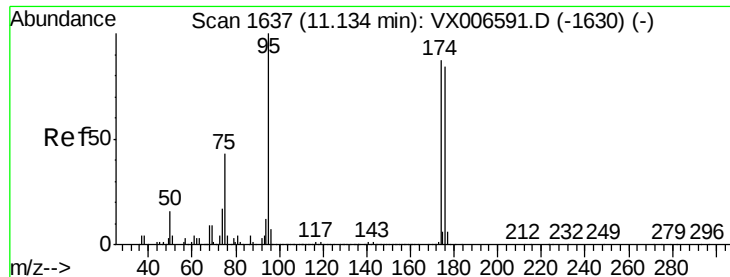
Tgt Ion: 129 Resp: 309241

Ion Ratio Lower Upper

129 100

127 0.2 39.3 117.8#





#62

4-Bromofluorobenzene

Concen: 46.421 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

Instrument :

MSVOA_X

ClientSampleId :

965-MW-03A(17)DL

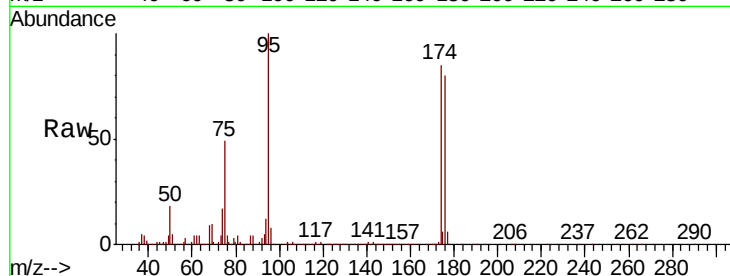
Tot Ion: 95 Resp: 393051

Ion Ratio Lower Upper

95 100

174 88.9 0.0 182.2

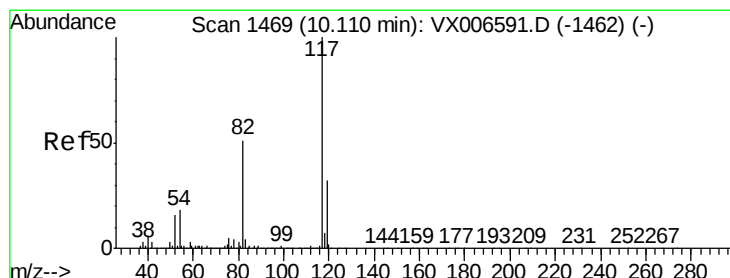
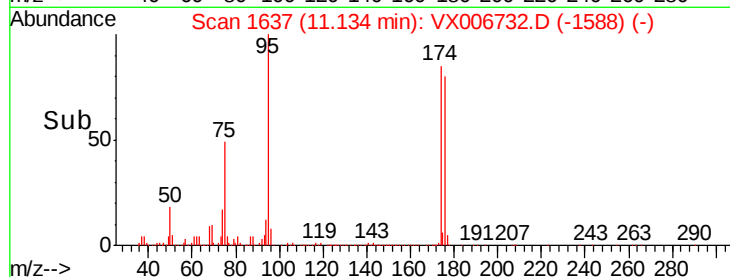
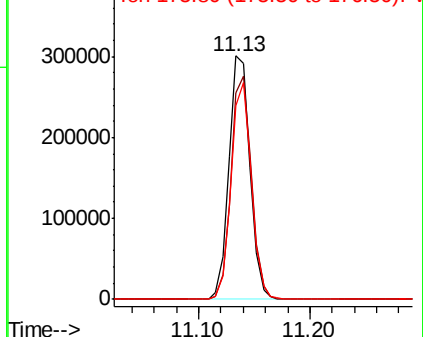
176 85.8 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006591.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX006591.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX006591.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

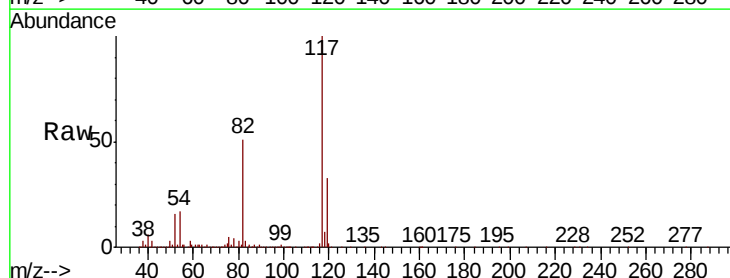
Tgt Ion: 117 Resp: 861961

Ion Ratio Lower Upper

117 100

82 50.9 41.0 61.6

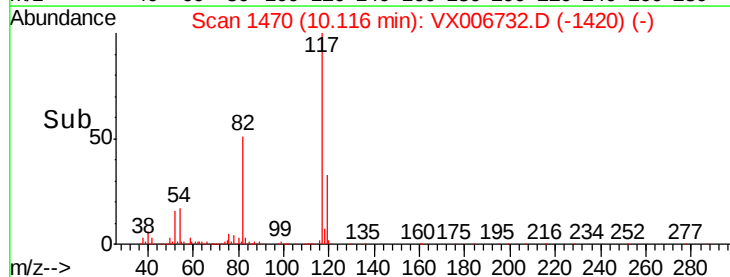
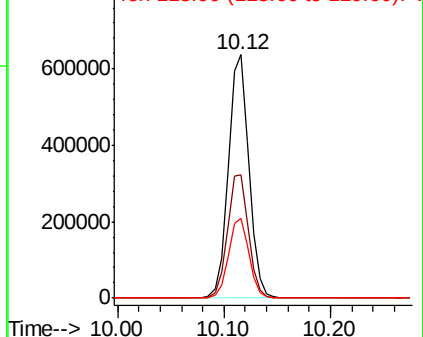
119 32.7 25.4 38.0

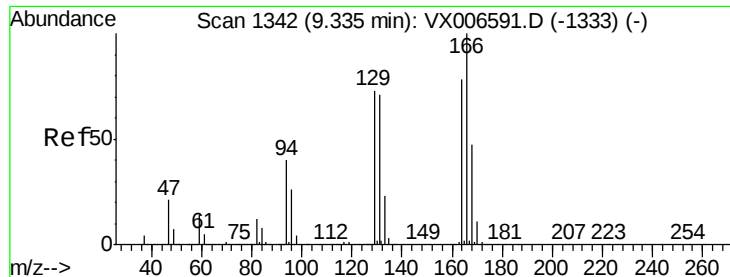


Abundance Ion 116.90 (116.60 to 117.60): VX006591.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006591.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006591.D (-1462) (-)

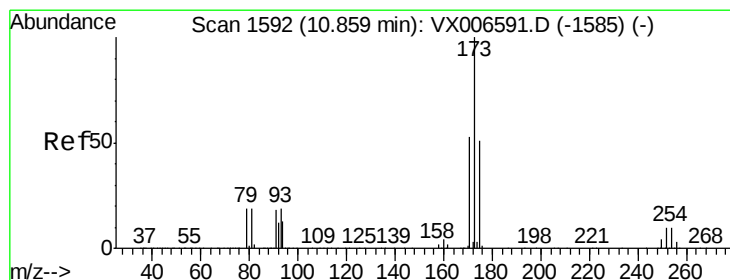
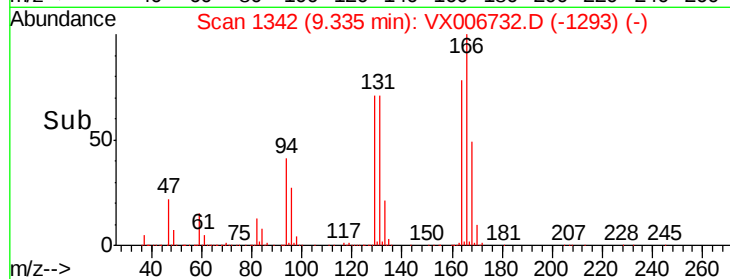
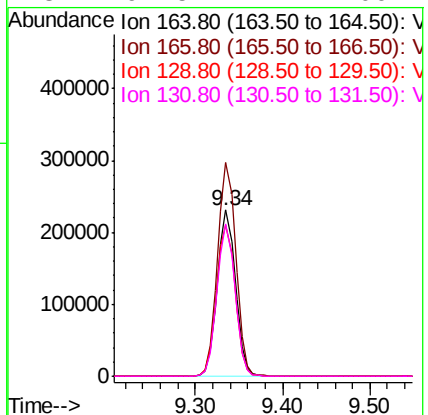
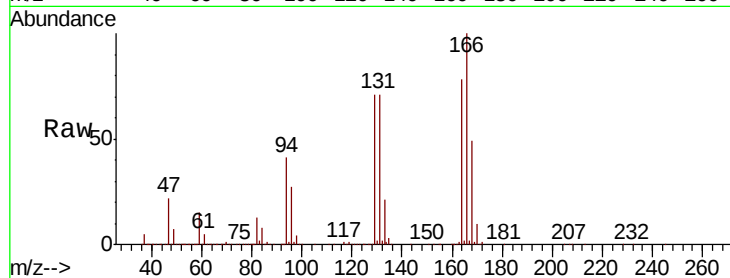




#64
Tetrachloroethene
Concen: 48.701 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006732.D
Acq: 21 Dec 2018 19:04

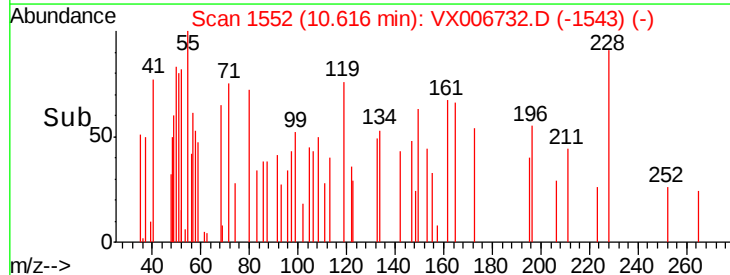
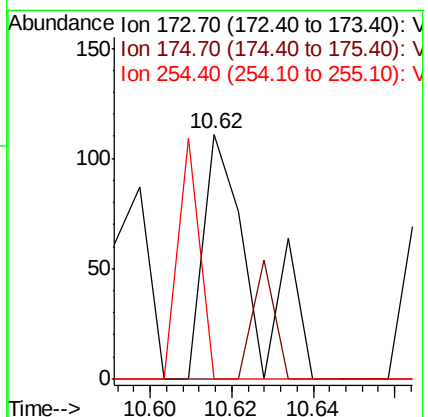
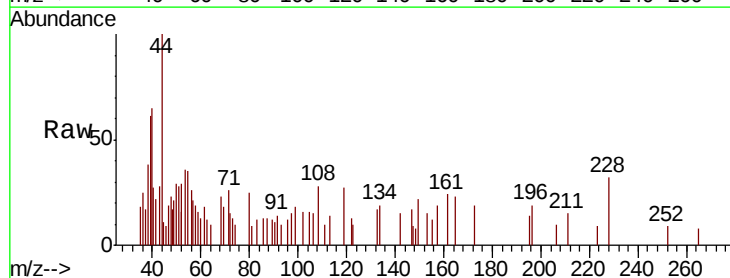
Instrument :
MSVOA_X
ClientSampleId :
965-MW-03A(17)DL

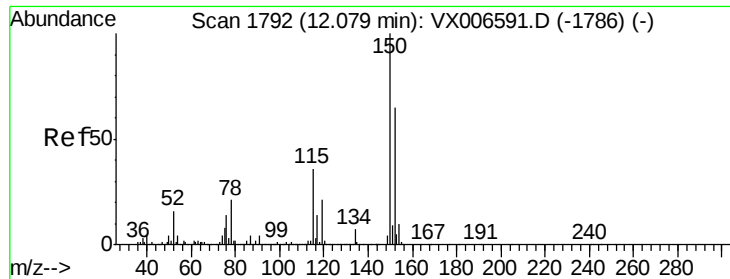
Tot Ion	Ratio	Lower	Upper
164	100		
166	128.4	102.5	153.7
129	91.0	75.1	112.7
131	91.5	72.7	109.1



#71
Bromoform
Concen: 4.476 ug/l
RT: 10.62 min Scan# 1552
Delta R.T. -0.24 min
Lab File: VX006732.D
Acq: 21 Dec 2018 19:04

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.7	74.1#
254	43.5	0.2	0.2#



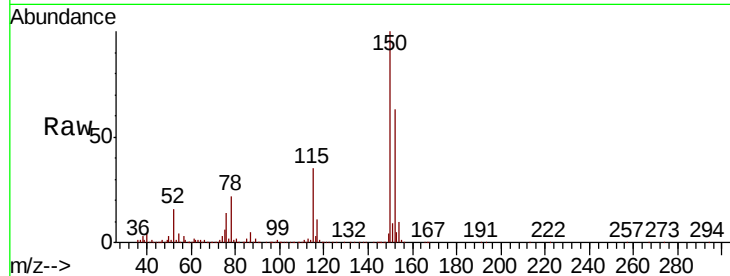


#72

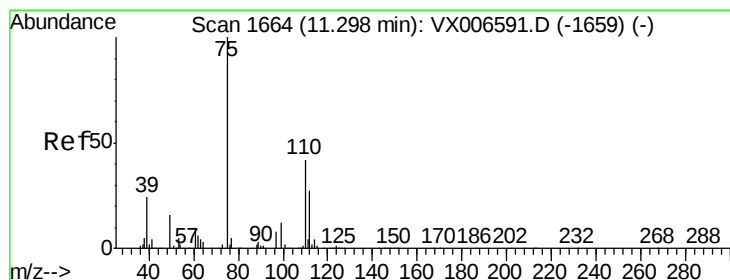
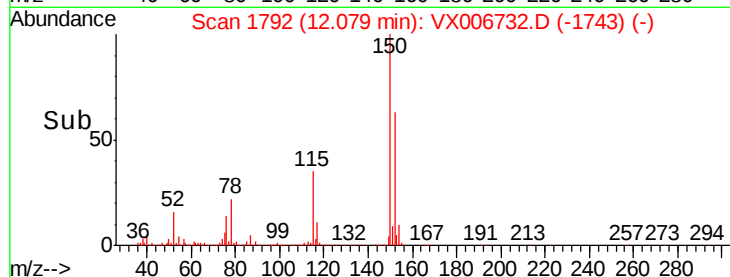
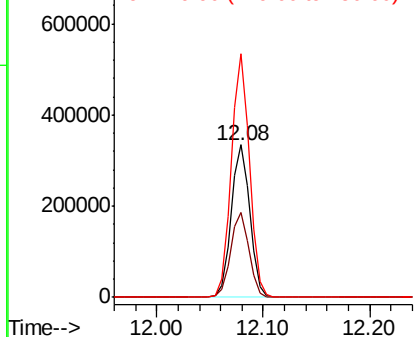
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006732.D
Acq: 21 Dec 2018 19:04

Instrument :
MSVOA_X
ClientSampleId :
965-MW-03A(17)DL

Tot Ion:152 Resp: 410350
Ion Ratio Lower Upper
152 100
115 54.9 39.1 117.2
150 156.1 0.0 344.8



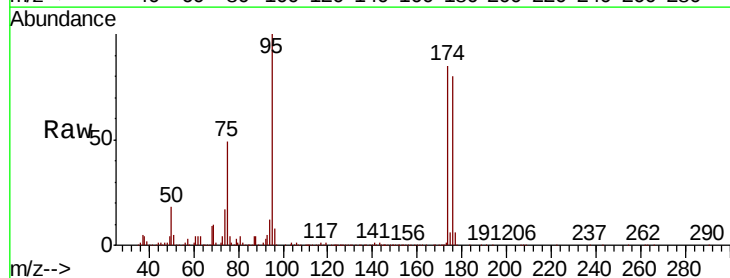
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



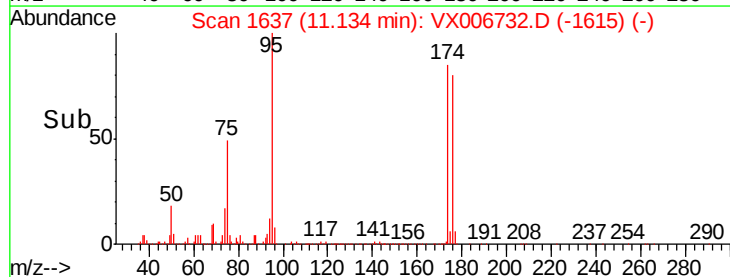
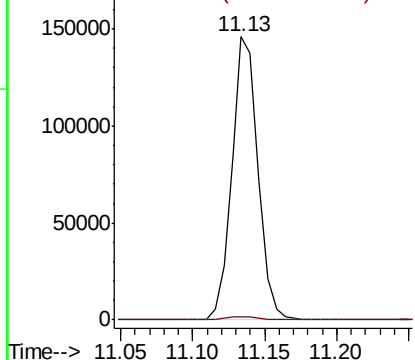
#76

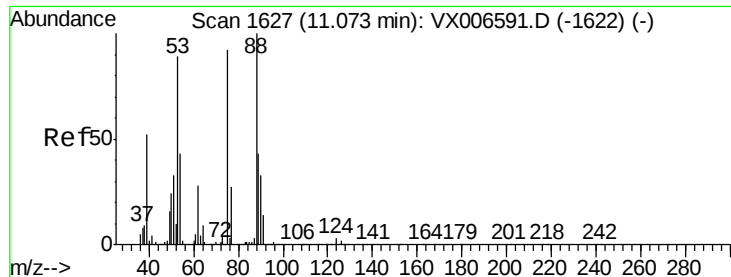
1,2,3-Trichloropropane
Concen: 24.263 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006732.D
Acq: 21 Dec 2018 19:04

Tgt Ion: 75 Resp: 185029
Ion Ratio Lower Upper
75 100
77 1.3 18.5 55.5#



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: 71.821 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

Instrument :

MSVOA_X

ClientSampleId :

965-MW-03A(17)DL

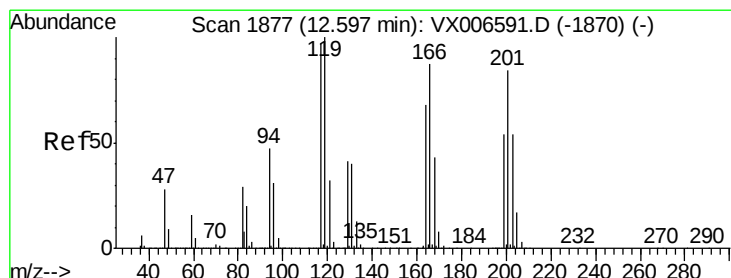
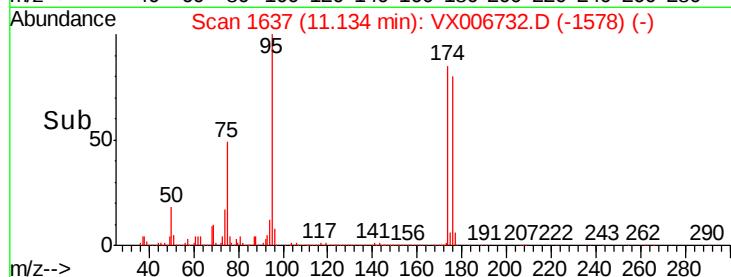
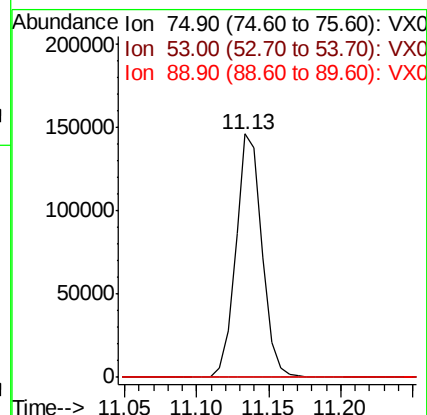
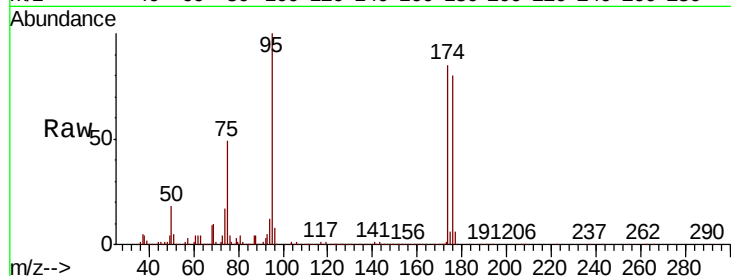
Tot Ion: 75 Resp: 185029

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.1 38.0 57.0#



#90

Hexachloroethane

Concen: 3.336 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX006732.D

Acq: 21 Dec 2018 19:04

Tgt Ion: 117 Resp: 180

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#

