

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081920\
 Data File : VX018005.D
 Acq On : 20 Aug 2020 00:27
 Operator : JC/SP
 Sample : L3694-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1S-081320

Quant Time: Aug 20 04:26:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	464831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	704420	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	718256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	347461	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	329705	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
35) Dibromofluoromethane	5.47	113	262821	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	8.70	98	855332	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	11.12	95	335036	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	

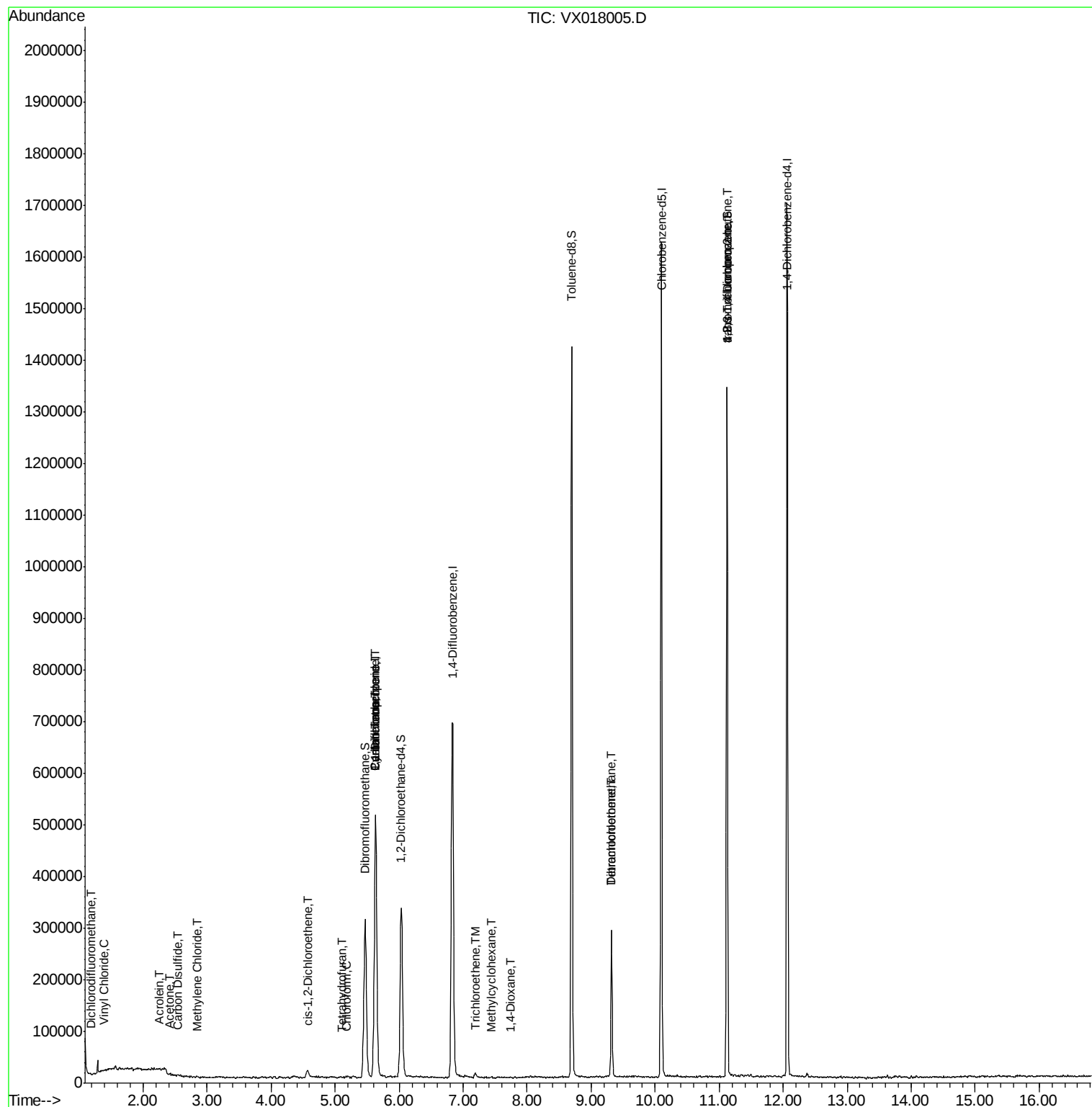
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	404	1.046	ug/l #	53
4) Vinyl Chloride	1.39	62	258	2.297	ug/l #	44
13) Acrolein	2.25	56	298	0.429	ug/l #	13
16) Acetone	2.42	43	3284	1.225	ug/l #	62
17) Carbon Disulfide	2.55	76	4682	0.461	ug/l #	86
20) Methylene Chloride	2.84	84	1419	0.287	ug/l #	66
27) cis-1,2-Dichloroethene	4.57	96	9308	1.832	ug/l	82
29) Tetrahydrofuran	5.12	42	831	0.330	ug/l #	59
30) Chloroform	5.17	83	2538	0.267	ug/l #	56
31) Cyclohexane	5.62	56	10031	1.425	ug/l #	36
36) 1,1-Dichloropropene	5.64	75	36046	6.114	ug/l #	52
38) Carbon Tetrachloride	5.64	117	49034	6.426	ug/l #	14
39) Methylcyclohexane	7.43	83	232	0.843	ug/l #	19
44) Trichloroethene	7.20	130	3654	0.694	ug/l	44
49) 1,4-Dioxane	7.73	88	120	1.038	ug/l #	1
60) Dibromochloromethane	9.32	129	51038	7.656	ug/l #	10
64) Tetrachloroethene	9.32	164	53163	9.692	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	173499	23.480	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	173499	61.684	ug/l #	12

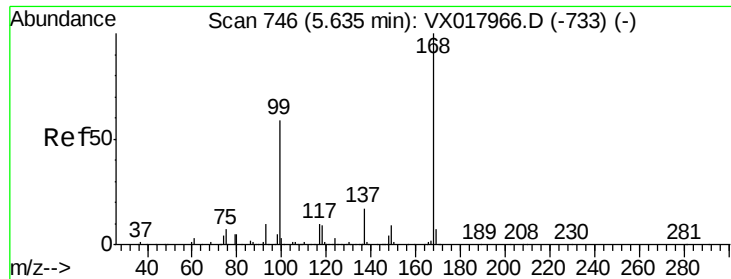
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 19 05:36:51 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

Instrument :

MSVOA_X

ClientSampleId :

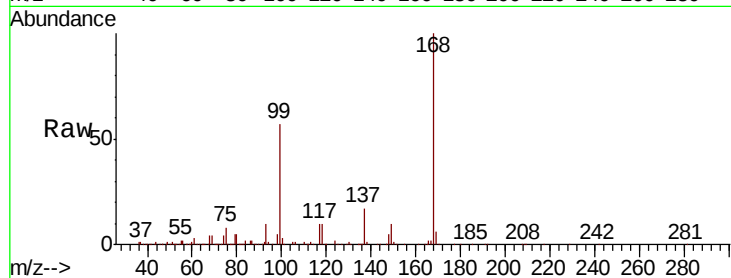
MW-1S-081320

Tot Ion:168 Resp: 464831

Ion Ratio Lower Upper

168 100

99 57.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

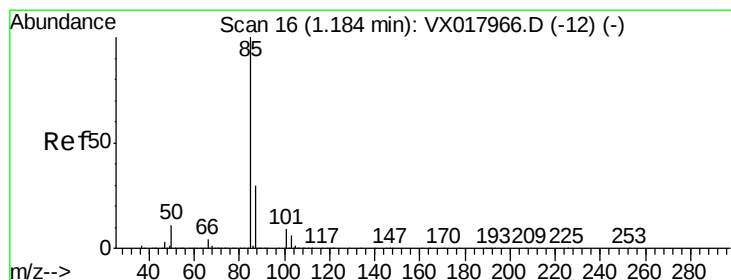
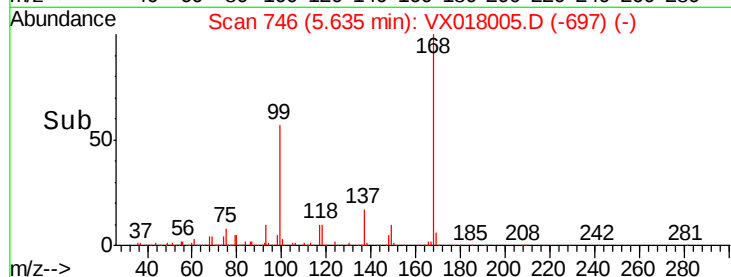
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.046 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018005.D

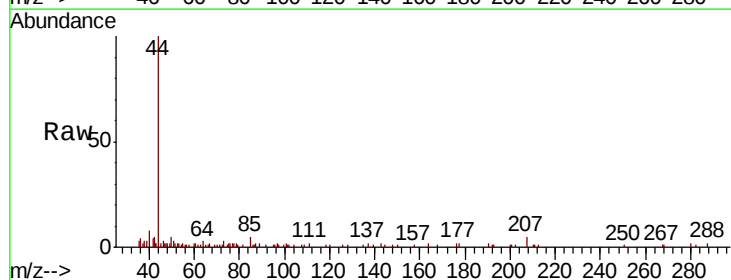
Acq: 20 Aug 2020 00:27

Tgt Ion: 85 Resp: 404

Ion Ratio Lower Upper

85 100

87 4.9 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

400

300

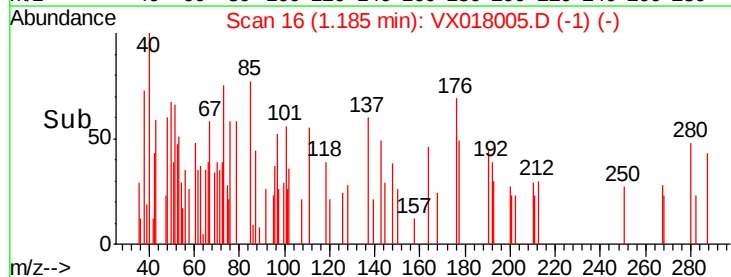
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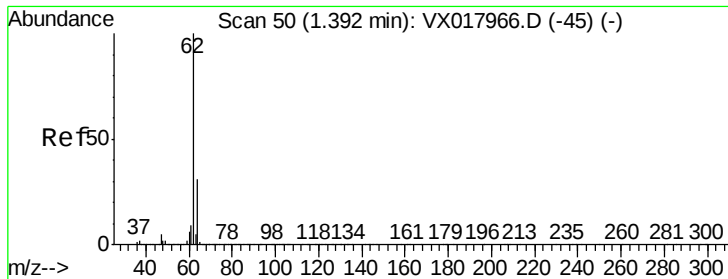
100

0

Time-->

1.16 1.18 1.20 1.22





#4

Vinyl Chloride

Concen: 2.297 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

Instrument :

MSVOA_X

ClientSampled :

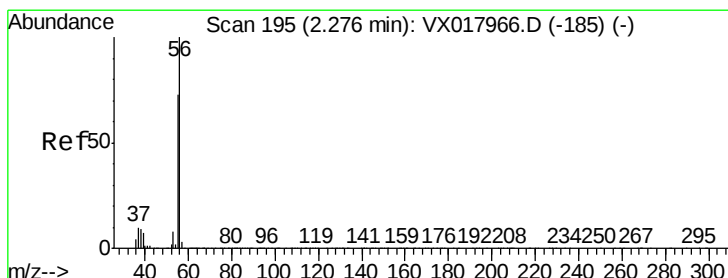
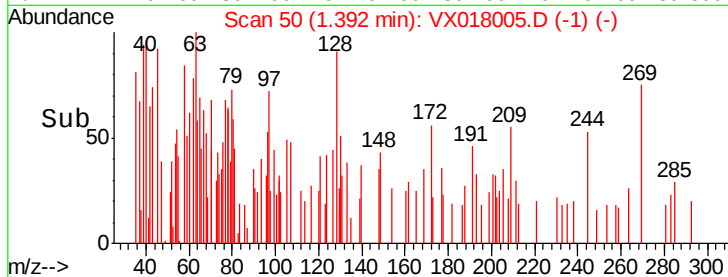
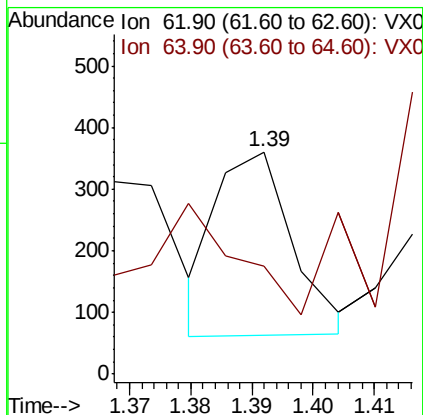
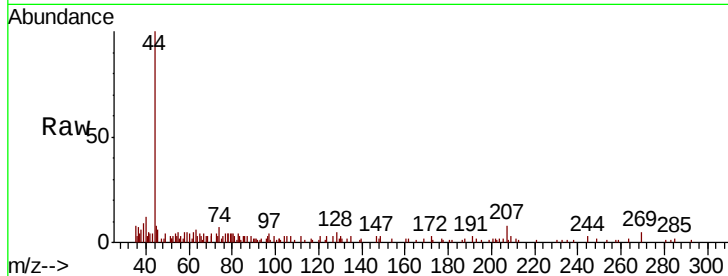
MW-1S-081320

Tot Ion: 62 Resp: 258

Ion Ratio Lower Upper

62 100

64 0.0 24.7 37.1#



#13

Acrolein

Concen: 0.429 ug/l

RT: 2.25 min Scan# 191

Delta R.T. -0.02 min

Lab File: VX018005.D

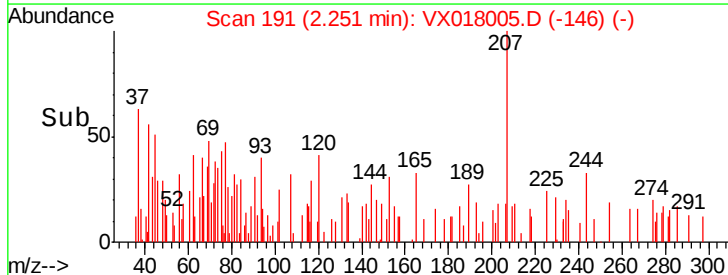
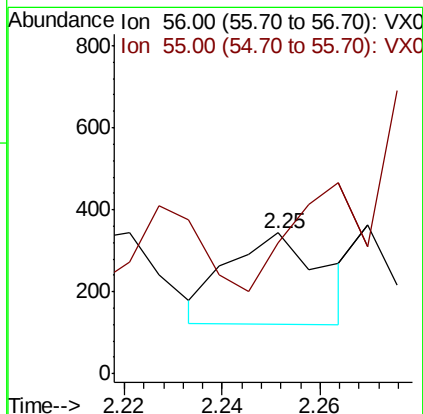
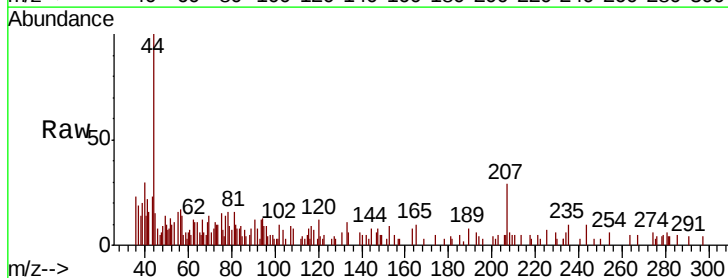
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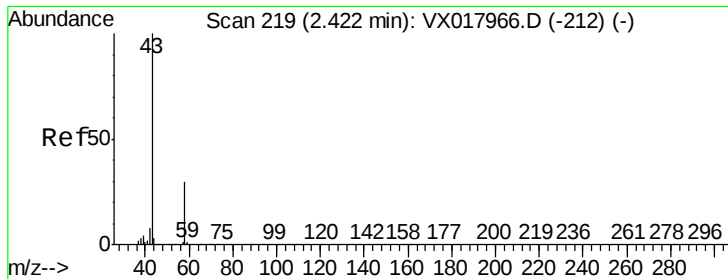
Tgt Ion: 56 Resp: 298

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#

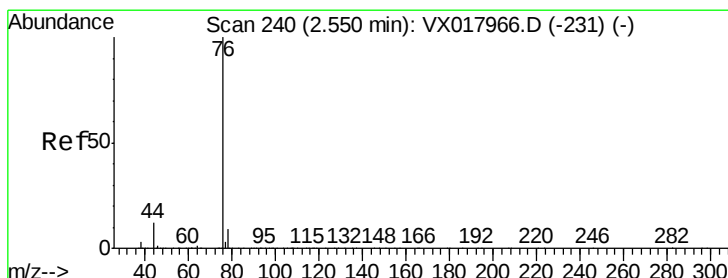
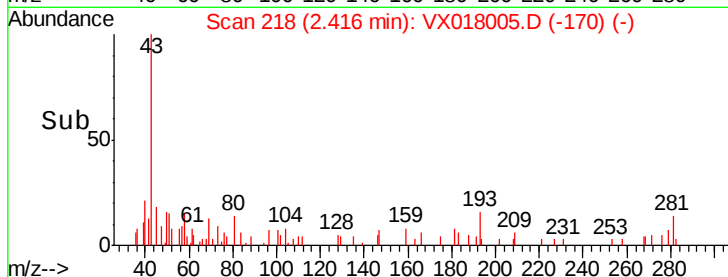
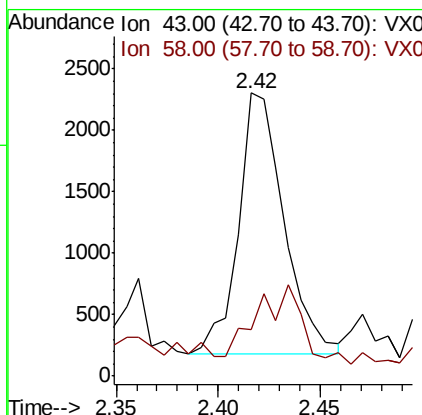
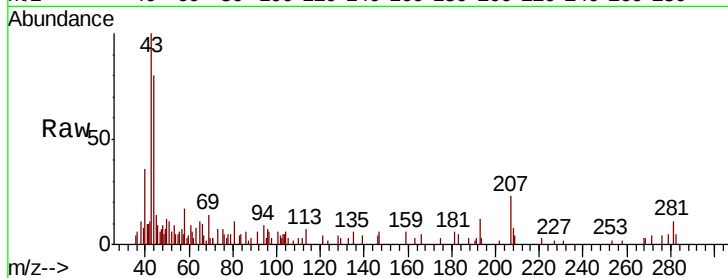




#16
Acetone
Concen: 1.225 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018005.D
Acq: 20 Aug 2020 00:27

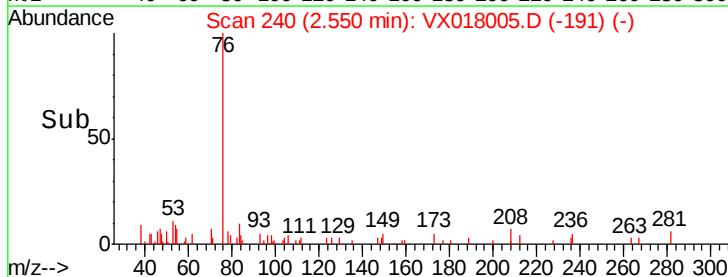
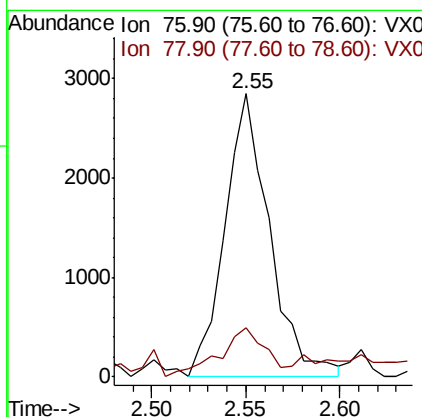
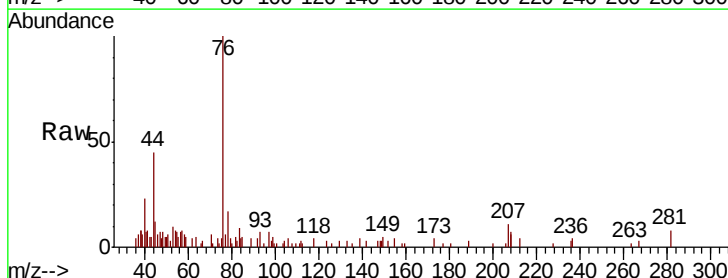
Instrument :
MSVOA_X
ClientSampleId :
MW-1S-081320

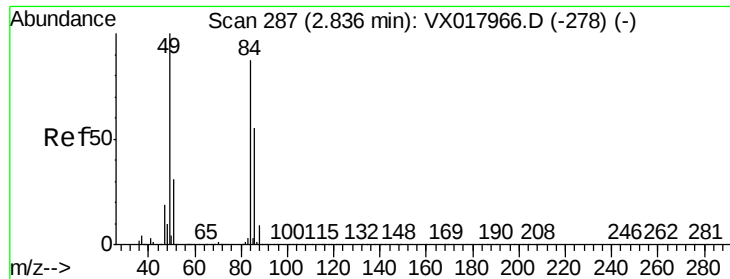
Tot Ion: 43 Resp: 3284
Ion Ratio Lower Upper
43 100
58 9.4 23.8 35.8#



#17
Carbon Disulfide
Concen: 0.461 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX018005.D
Acq: 20 Aug 2020 00:27

Tgt Ion: 76 Resp: 4682
Ion Ratio Lower Upper
76 100
78 14.1 7.3 10.9#

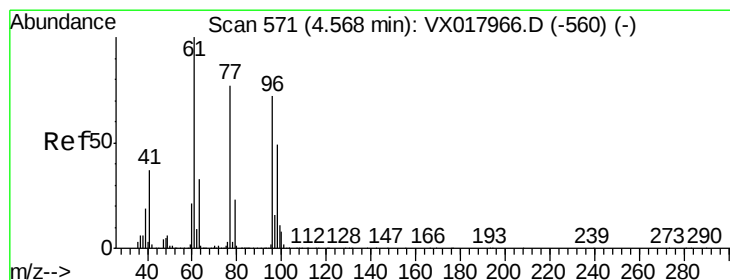
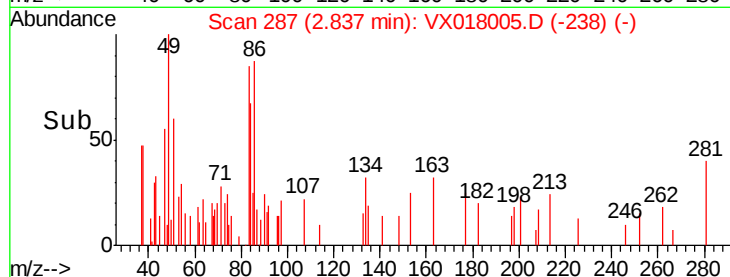
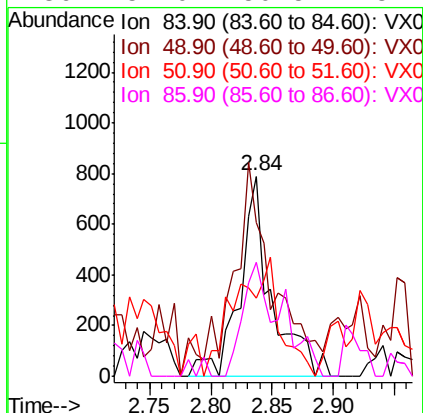
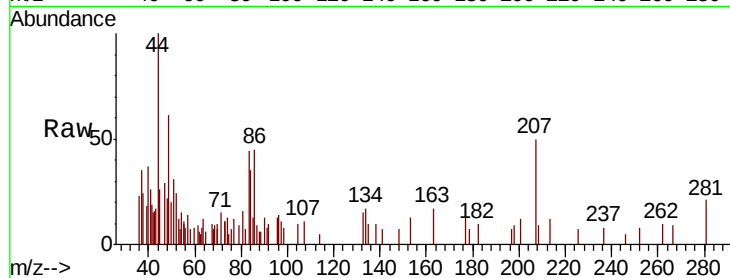




#20
Methvlene Chloride
Concen: 0.287 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018005.D
Acq: 20 Aug 2020 00:27

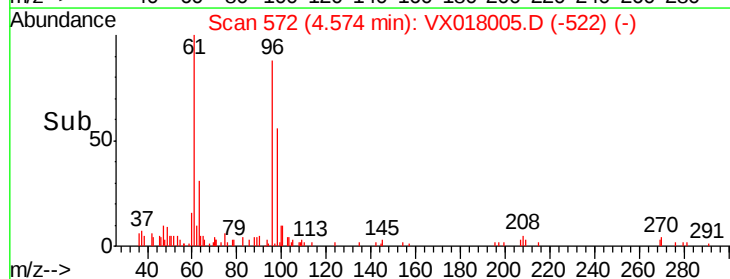
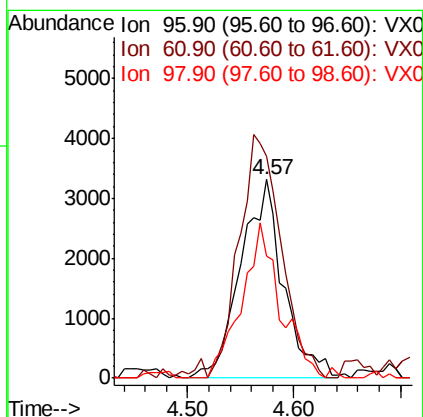
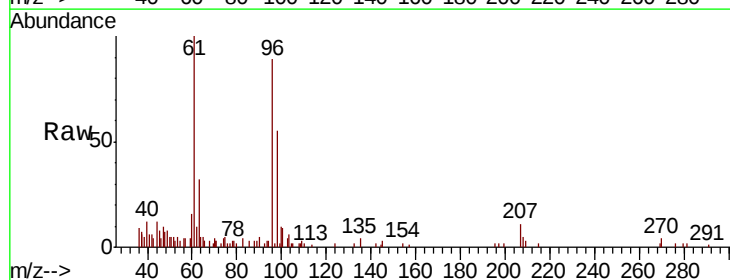
Instrument :
MSVOA_X
ClientSampleId :
MW-1S-081320

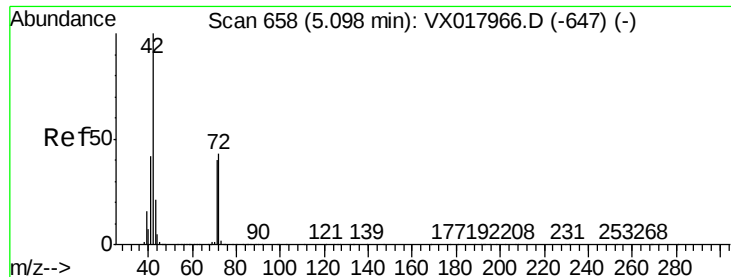
Tot Ion: 84 Resp: 1419
Ion Ratio Lower Upper
84 100
49 57.7 91.8 137.6#
51 23.4 27.8 41.8#
86 57.0 50.5 75.7



#27
cis-1,2-Dichloroethene
Concen: 1.832 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX018005.D
Acq: 20 Aug 2020 00:27

Tgt Ion: 96 Resp: 9308
Ion Ratio Lower Upper
96 100
61 121.4 0.0 298.8
98 70.6 0.0 130.2

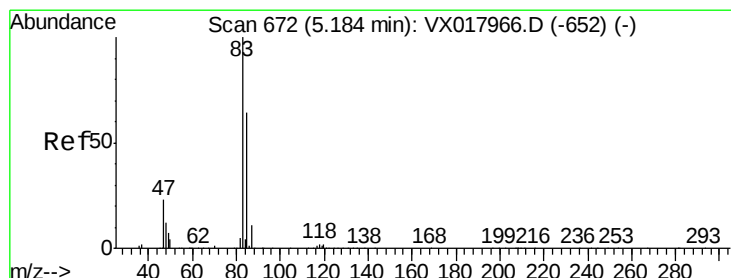
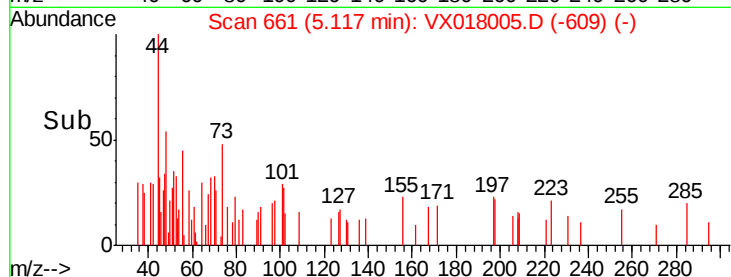
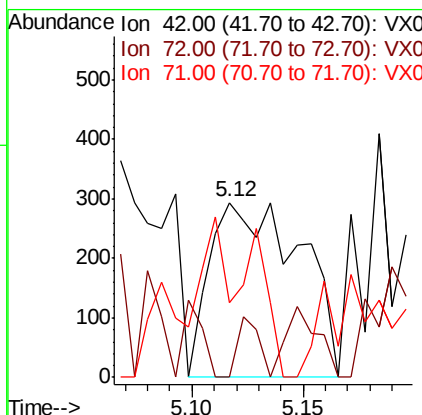
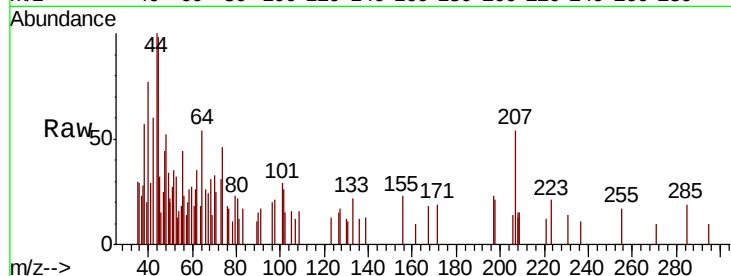




#29
Tetrahydrofuran
Concen: 0.330 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX018005.D
Acq: 20 Aug 2020 00:27

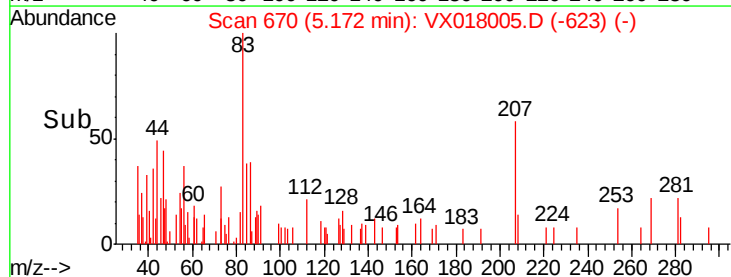
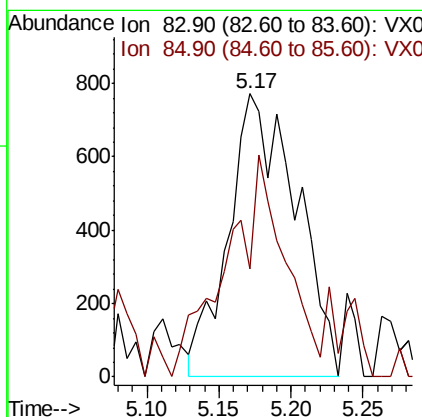
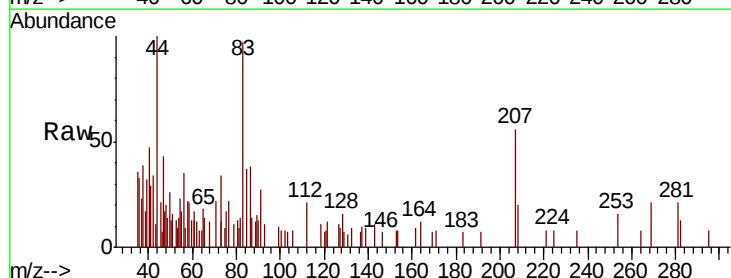
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ClientSampled :
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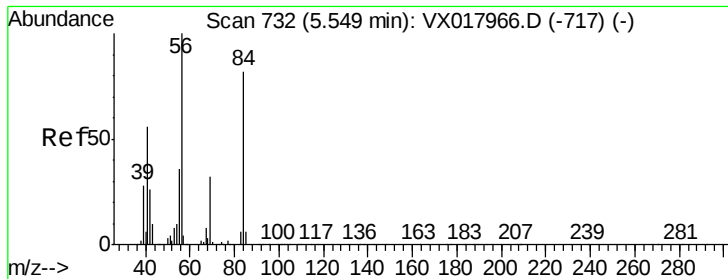
Tot Ion: 42 Resp: 831
Ion Ratio Lower Upper
42 100
72 8.1 35.9 53.9#
71 26.6 33.0 49.4#



#30
Chloroform
Concen: 0.267 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX018005.D
Acq: 20 Aug 2020 00:27

Tgt Ion: 83 Resp: 2538
Ion Ratio Lower Upper
83 100
85 29.7 51.3 76.9#

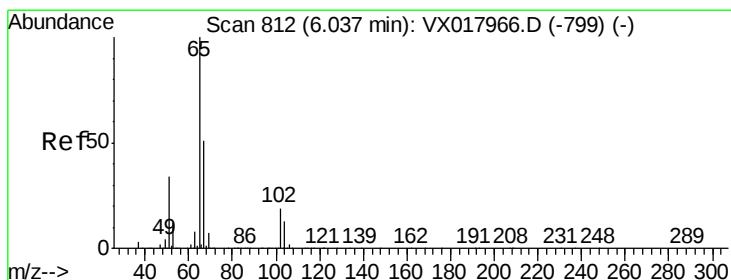
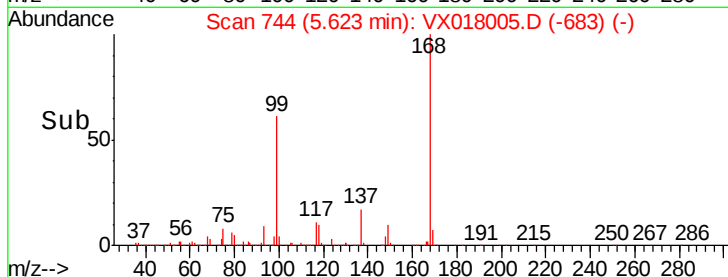
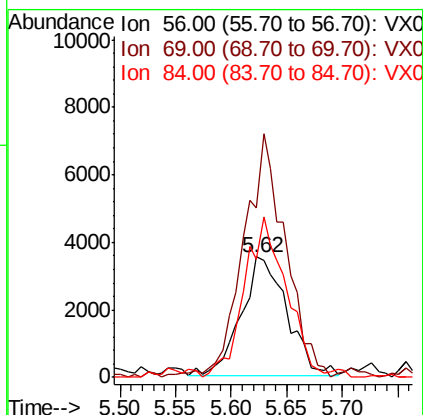
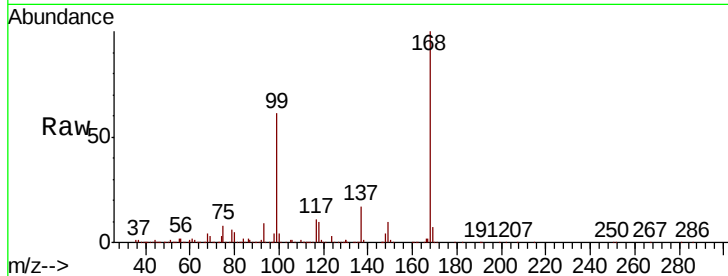




#31
Cyclohexane
Concen: 1.425 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX018005.D
Acq: 20 Aug 2020 00:27

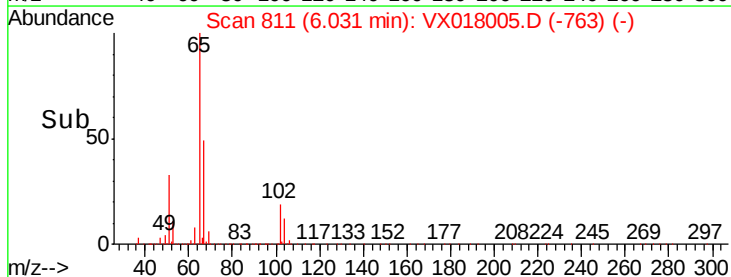
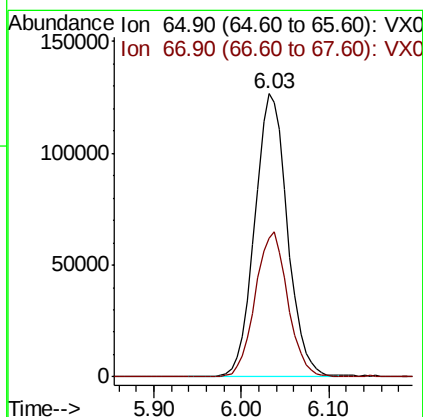
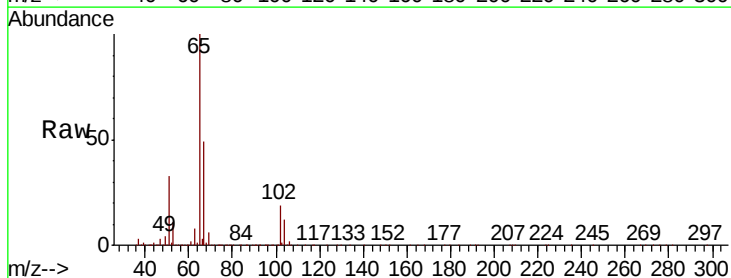
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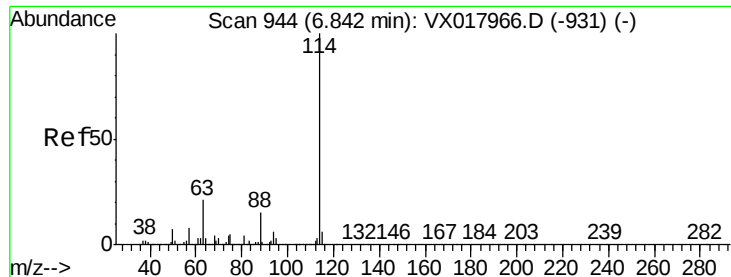
Tot Ion: 56 Resp: 10031
Ion Ratio Lower Upper
56 100
69 139.7 25.3 37.9#
84 93.2 65.3 97.9



#33
1,2-Dichloroethane-d4
Concen: 48.386 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.01 min
Lab File: VX018005.D
Acq: 20 Aug 2020 00:27

Tgt Ion: 65 Resp: 329705
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.01 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

Instrument :

MSVOA_X

ClientSampleId :

MW-1S-081320

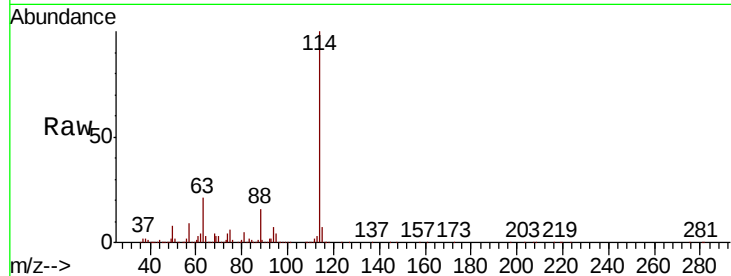
Tot Ion:114 Resp: 704420

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

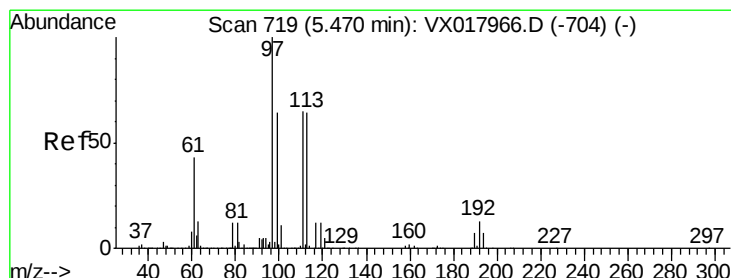
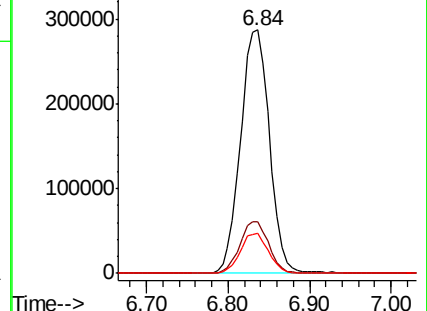
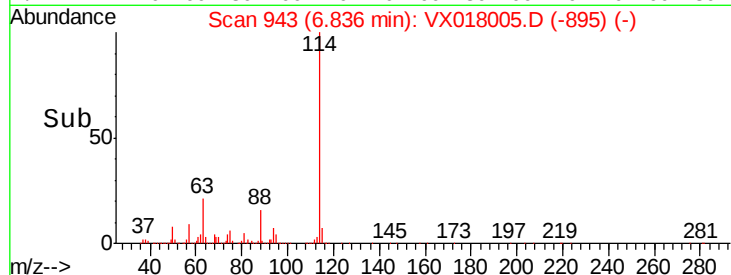
88 16.4 0.0 30.2



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: 50.102 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

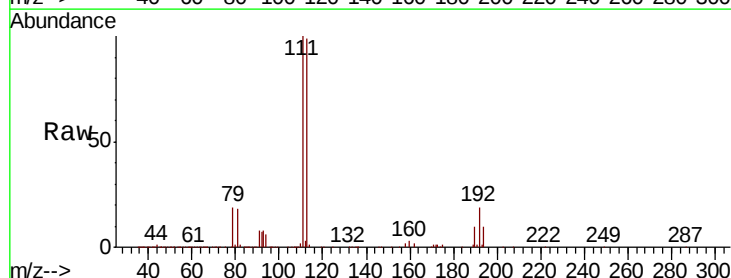
Tgt Ion:113 Resp: 262821

Ion Ratio Lower Upper

113 100

111 101.4 83.5 125.3

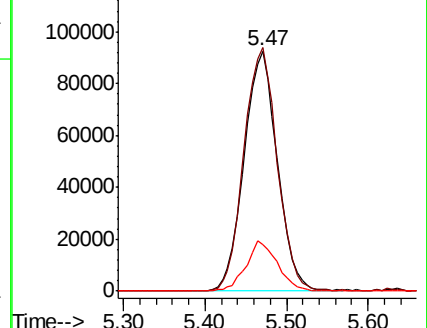
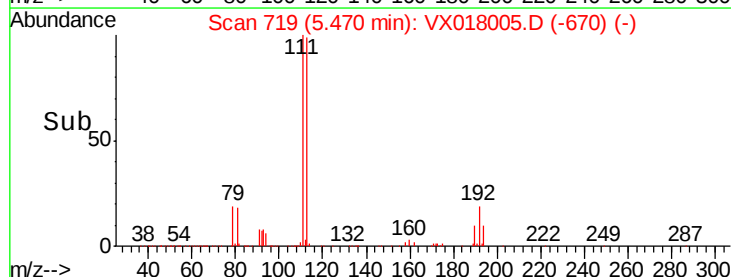
192 19.7 16.2 24.4

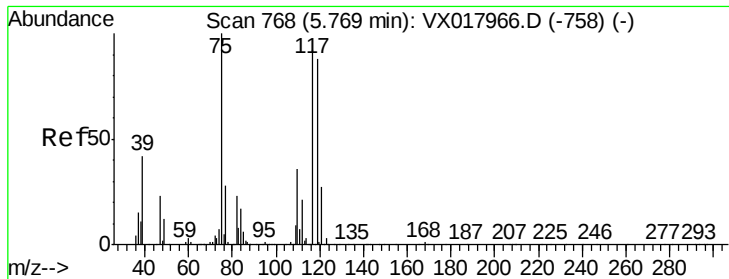


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.114 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

Instrument :

MSVOA_X

ClientSampleId :

MW-1S-081320

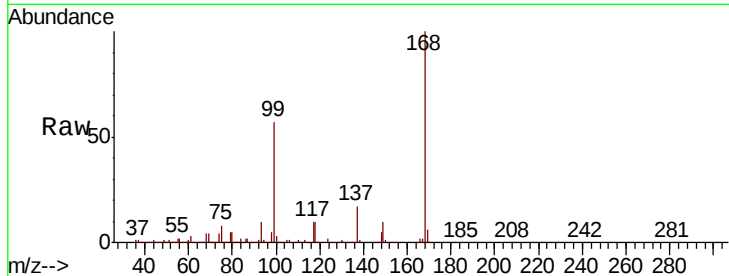
Tot Ion: 75 Resp: 36046

Ion Ratio Lower Upper

75 100

110 11.5 18.7 56.1#

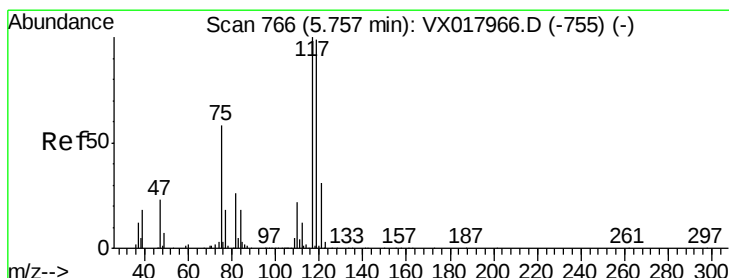
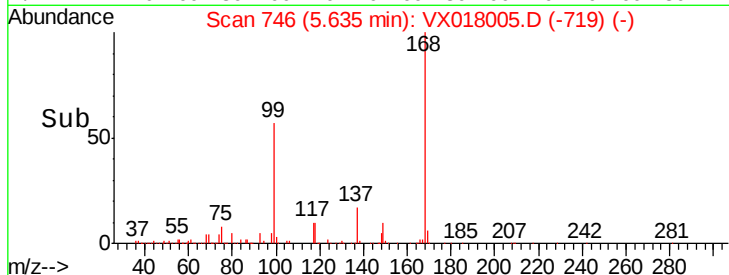
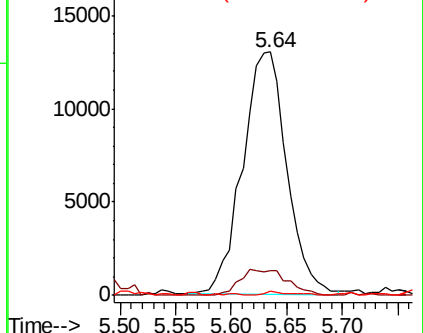
77 0.9 24.4 36.6#



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: 6.426 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

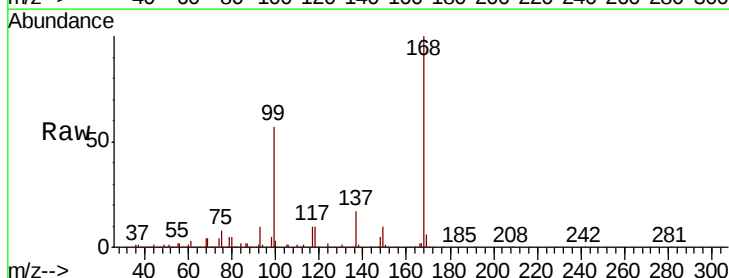
Tgt Ion:117 Resp: 49034

Ion Ratio Lower Upper

117 100

119 4.7 79.0 118.6#

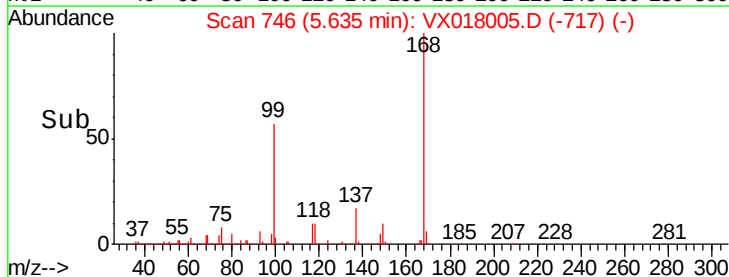
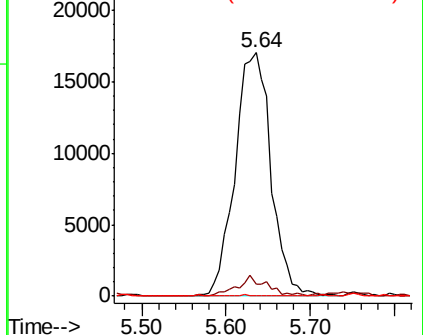
121 0.0 24.7 37.1#

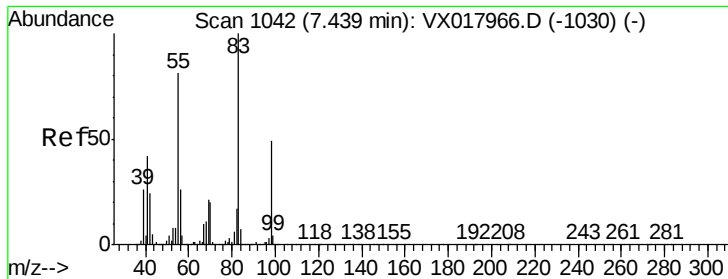


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

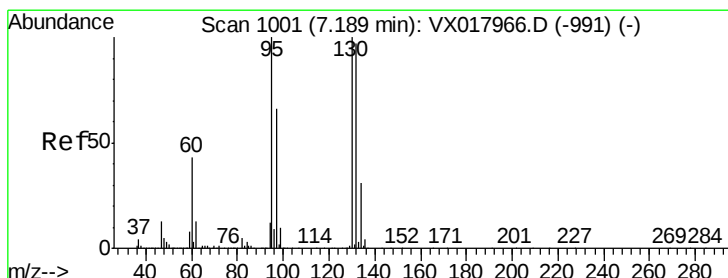
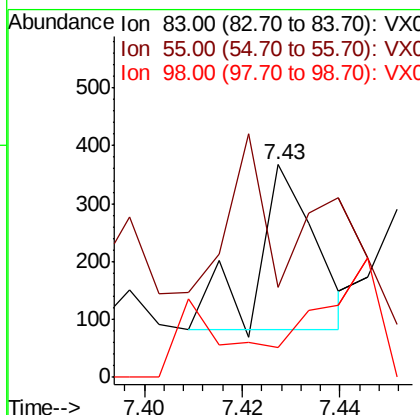
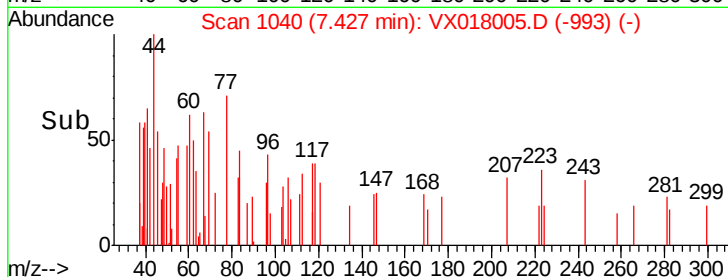
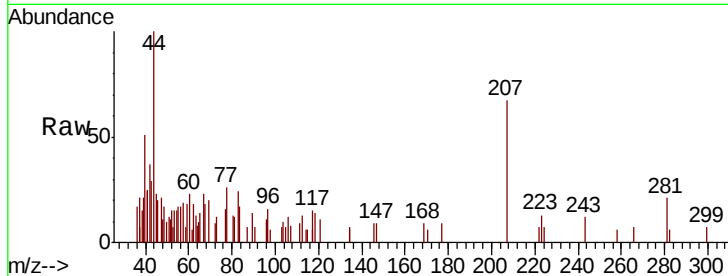




#39
Methylcyclohexane
Concen: 0.843 ug/l
RT: 7.43 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VX018005.D
Acq: 20 Aug 2020 00:27

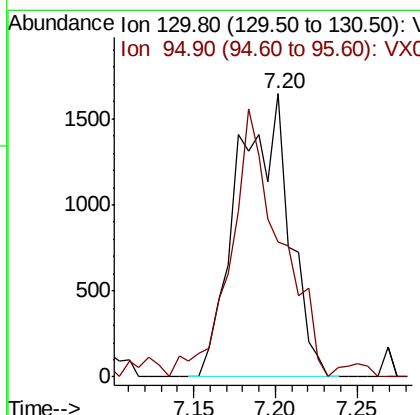
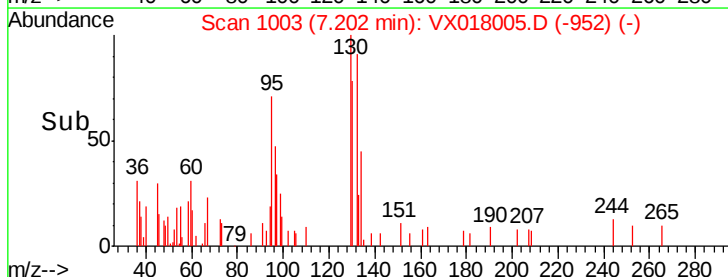
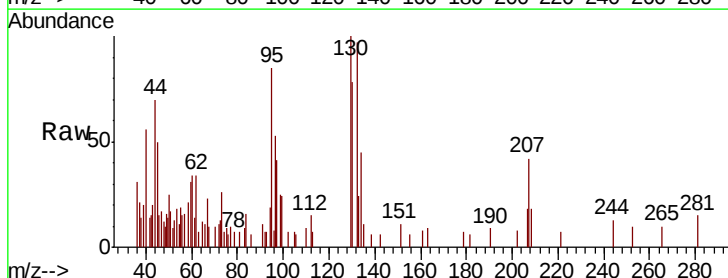
Instrument :
MSVOA_X
ClientSampled :
MW-1S-081320

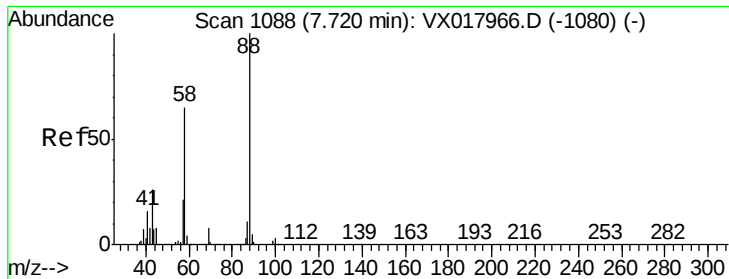
Tot Ion: 83 Resp: 232
Ion Ratio Lower Upper
83 100
55 3.2 64.5 96.7#
98 0.0 39.0 58.6#



#44
Trichloroethene
Concen: 0.694 ug/l
RT: 7.20 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VX018005.D
Acq: 20 Aug 2020 00:27

Tgt Ion: 130 Resp: 3654
Ion Ratio Lower Upper
130 100
95 44.4 0.0 200.6





#49

1,4-Dioxane

Concen: 1.038 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

Instrument :

MSVOA_X

ClientSampleId :

MW-1S-081320

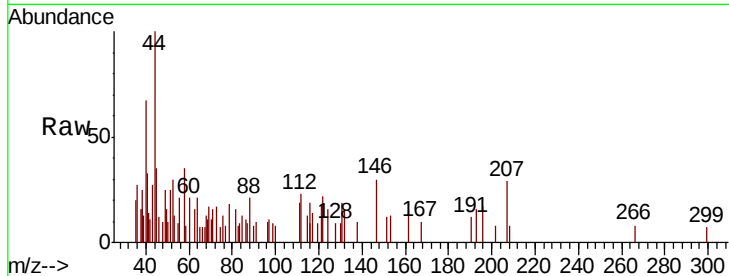
Tot Ion: 88 Resp: 120

Ion Ratio Lower Upper

88 100

43 552.5 27.3 40.9#

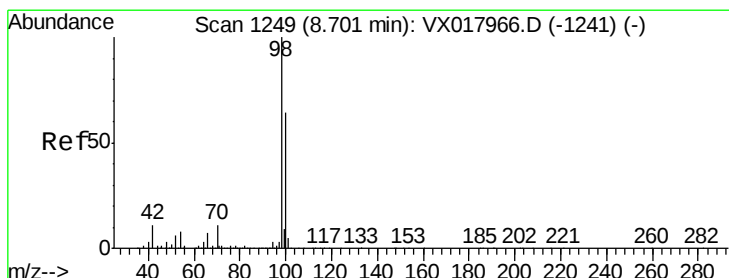
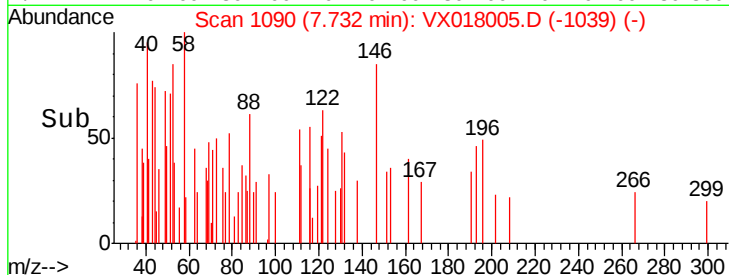
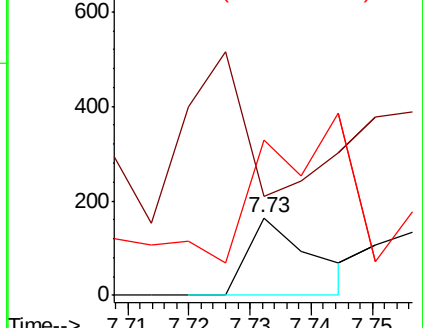
58 0.0 57.7 86.5#



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: 46.129 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018005.D

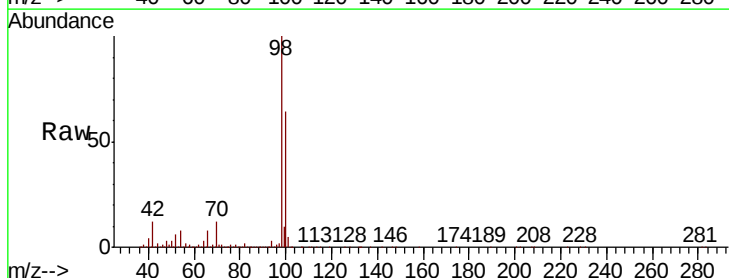
Acq: 20 Aug 2020 00:27

Tgt Ion: 98 Resp: 855332

Ion Ratio Lower Upper

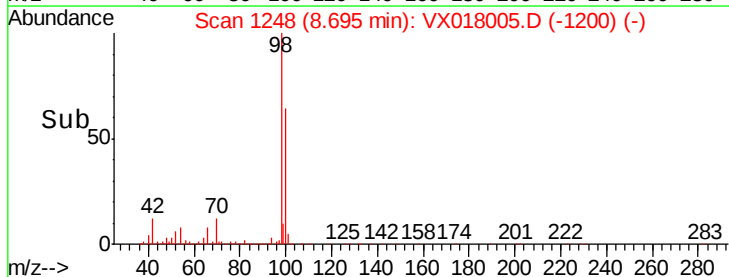
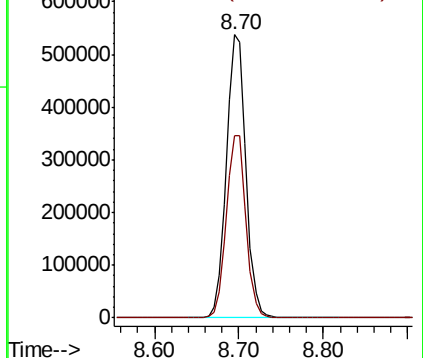
98 100

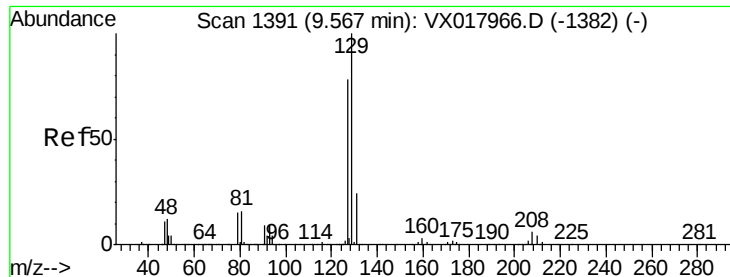
100 64.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 7.656 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

Instrument :

MSVOA_X

ClientSampleId :

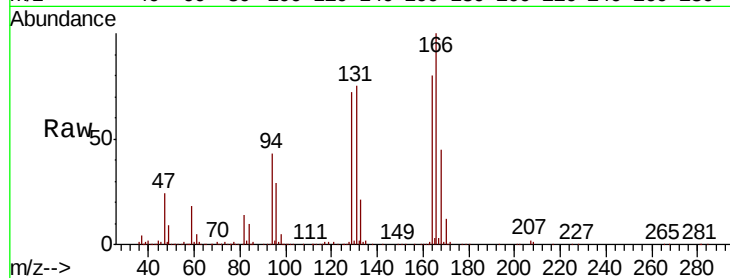
MW-1S-081320

Tot Ion:129 Resp: 51038

Ion Ratio Lower Upper

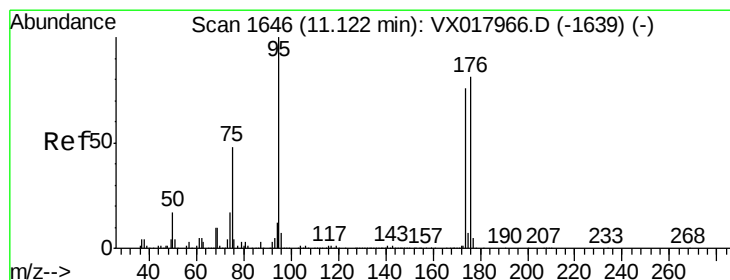
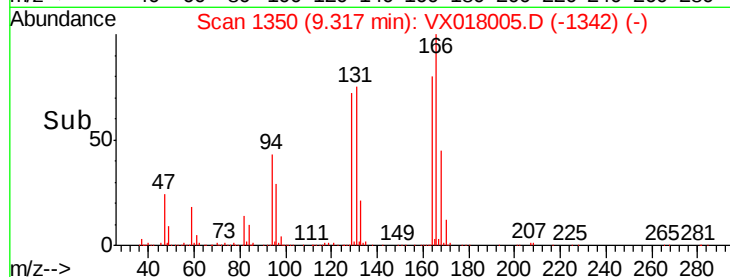
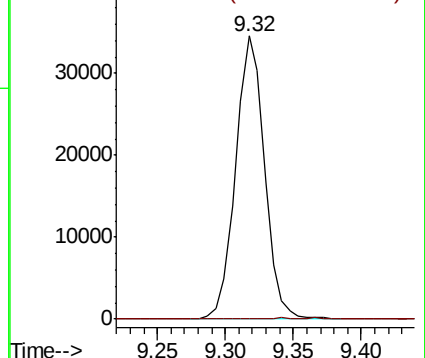
129 100

127 0.1 39.5 118.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.921 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

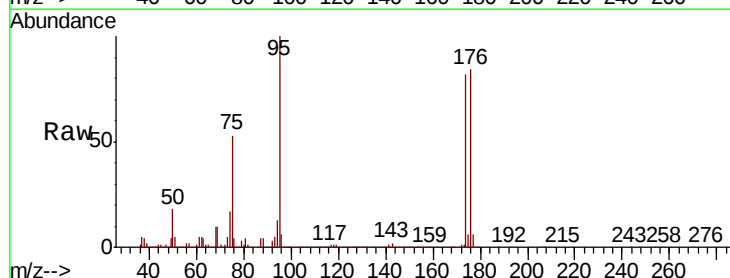
Tgt Ion: 95 Resp: 335036

Ion Ratio Lower Upper

95 100

174 80.7 0.0 166.0

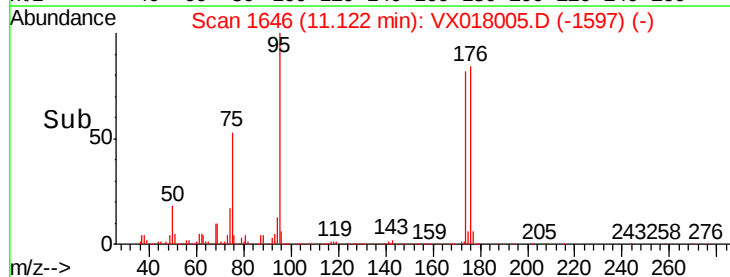
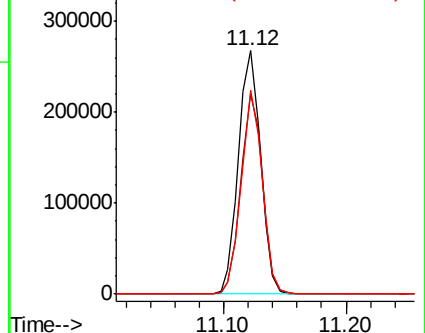
176 79.2 0.0 161.0

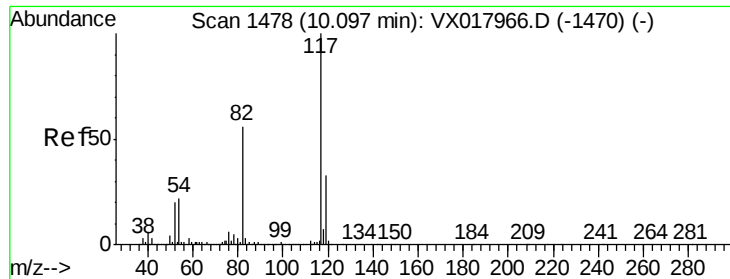


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

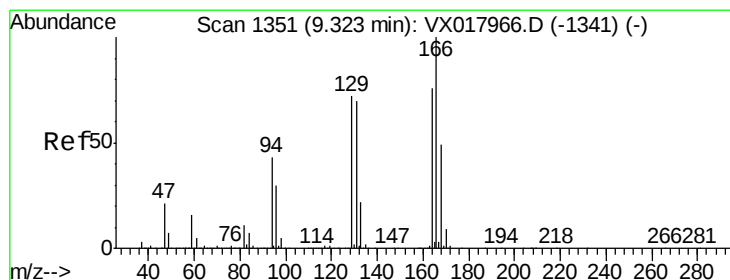
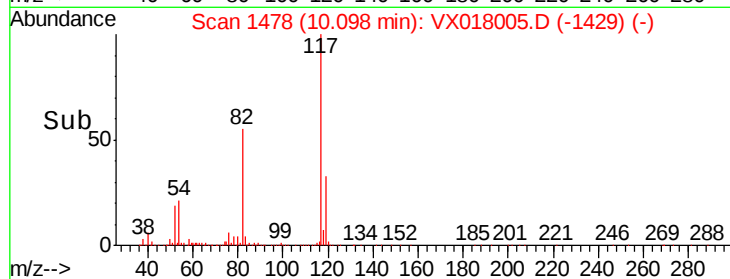
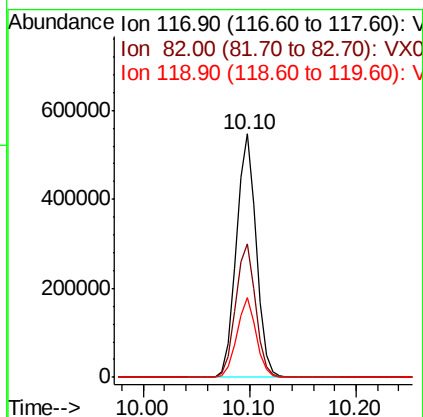
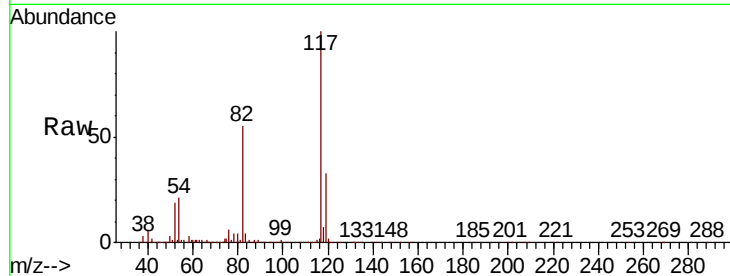




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018005.D
Acq: 20 Aug 2020 00:27

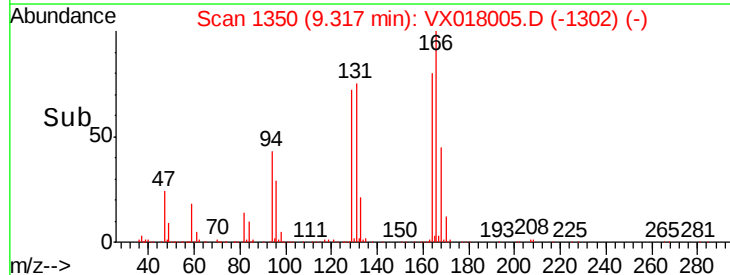
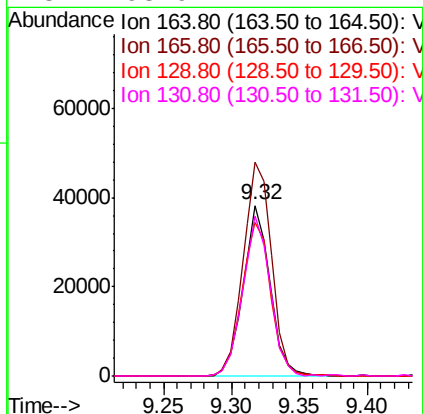
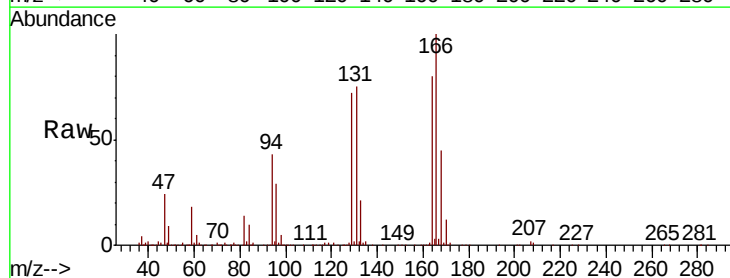
Instrument :
MSVOA_X
ClientSampleId :
MW-1S-081320

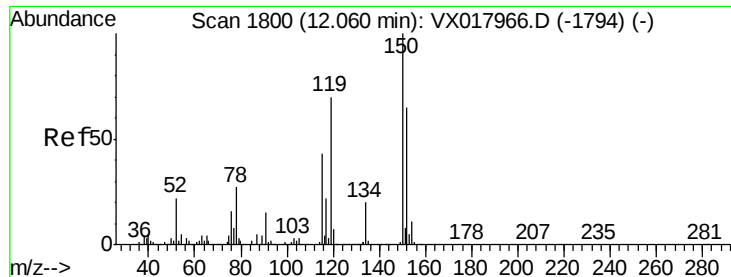
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	66.8
119	32.5	26.2	39.4



#64
Tetrachloroethene
Concen: 9.692 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VX018005.D
Acq: 20 Aug 2020 00:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	105.7	158.5
129	90.4	75.8	113.8
131	93.9	74.2	111.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

Instrument :

MSVOA_X

ClientSampleId :

MW-1S-081320

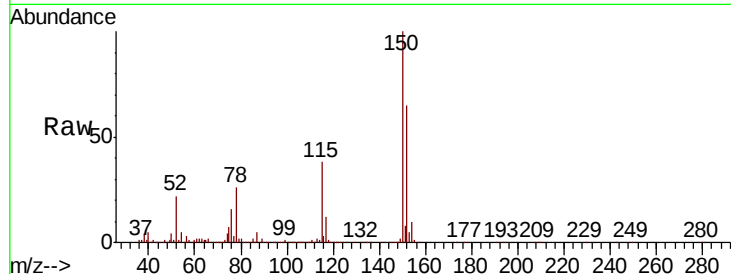
Tot Ion:152 Resp: 347461

Ion Ratio Lower Upper

152 100

115 58.4 40.6 121.7

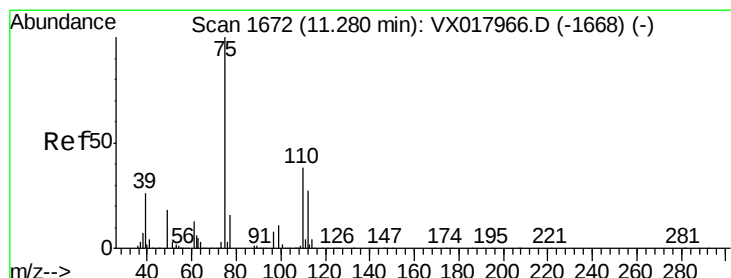
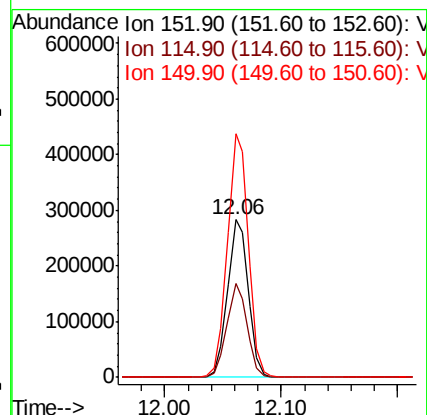
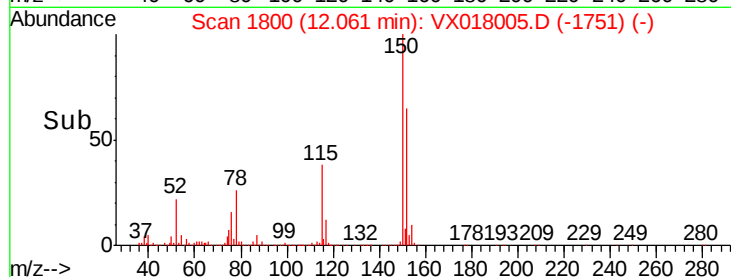
150 155.7 0.0 346.4



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: 23.480 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018005.D

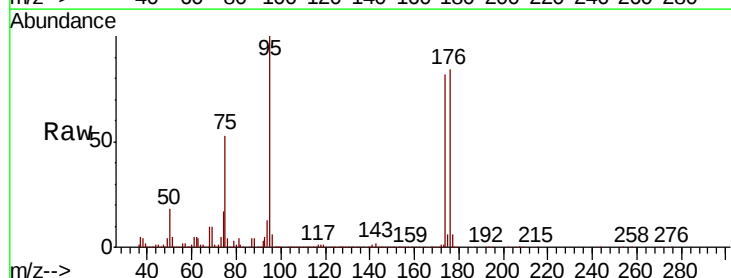
Acq: 20 Aug 2020 00:27

Tgt Ion: 75 Resp: 173499

Ion Ratio Lower Upper

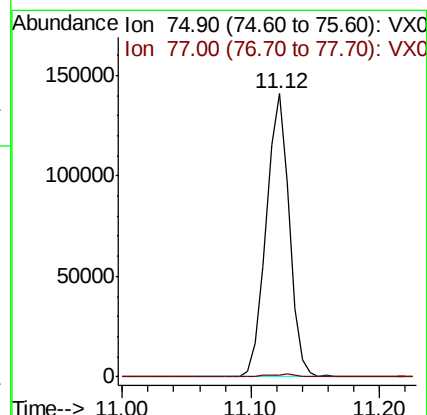
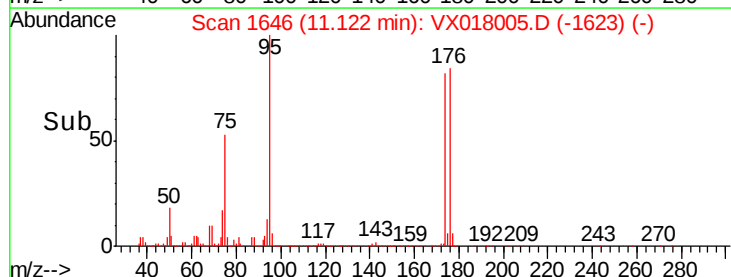
75 100

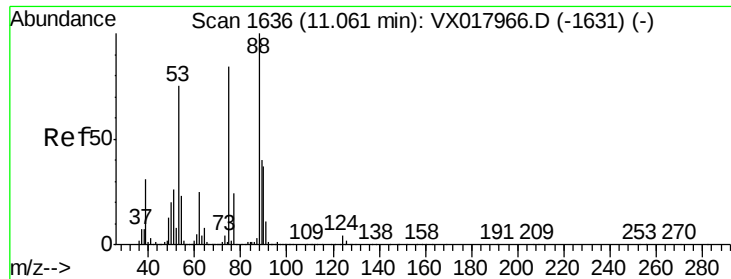
77 1.4 21.1 63.1#



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: 61.684 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018005.D

Acq: 20 Aug 2020 00:27

Instrument :

MSVOA_X

ClientSampleId :

MW-1S-081320

Tot Ion: 75 Resp: 173499

Ion Ratio Lower Upper

75 100

53 0.5 75.2 112.8#

89 0.3 38.4 57.6#

