

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018276.D
 Acq On : 08 Sep 2020 15:34
 Operator : JC/SP
 Sample : L3940-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Sep 09 01:22:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	436803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	702611	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	691599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	358256	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	305335	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
35) Dibromofluoromethane	5.46	113	242516	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	8.70	98	872548	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.12	95	329435	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	

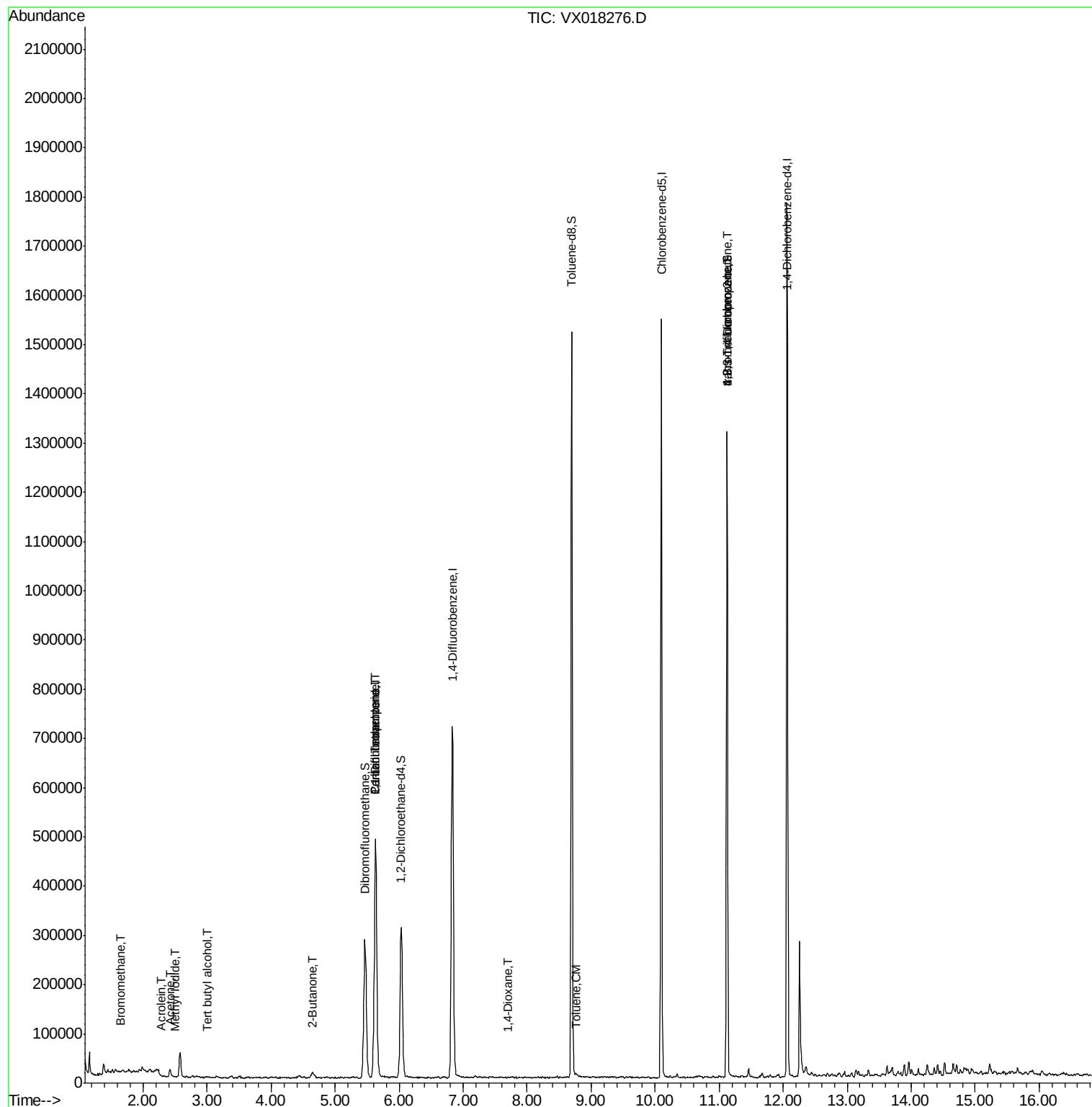
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1058	0.393	ug/l	94
10) Methyl Iodide	2.50	142	252	5.338	ug/l #	43
11) Tert butyl alcohol	3.01	59	1973	1.673	ug/l #	92
13) Acrolein	2.28	56	384	0.785	ug/l #	14
16) Acetone	2.42	43	16937	7.168	ug/l	95
20) Methylene Chloride	2.84	84	1426	Below Cal	#	61
25) 2-Butanone	4.65	43	7052	1.816	ug/l #	82
36) 1,1-Dichloropropene	5.64	75	34689	5.353	ug/l #	51
38) Carbon Tetrachloride	5.63	117	46812	6.410	ug/l #	17
49) 1,4-Dioxane	7.70	88	23	0.210	ug/l #	1
52) Toluene	8.76	92	2599	0.215	ug/l	84
76) 1,2,3-Trichloropropane	11.12	75	168764	21.176	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	168764	57.193	ug/l #	12

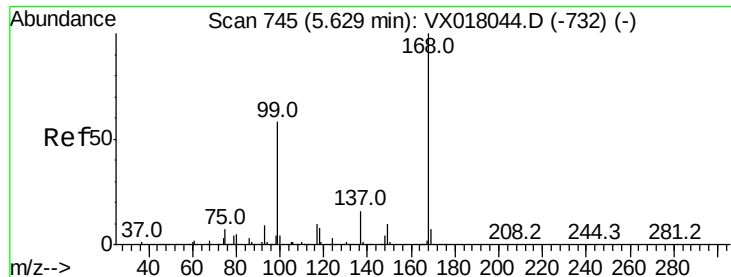
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090820\
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Quant Time: Sep 09 01:22:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018276.D

Acq: 08 Sep 2020 15:34

Instrument :

MSVOA_X

ClientSampled :

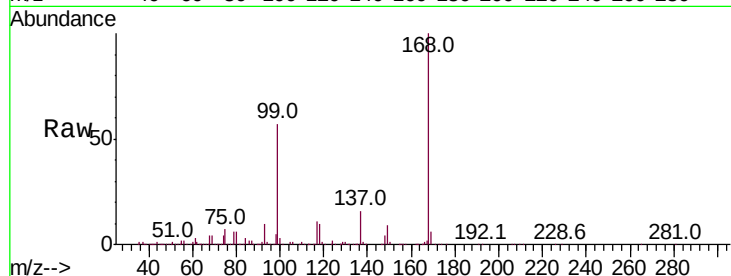
MW-3

Tot Ion:168 Resp: 436803

Ion Ratio Lower Upper

168 100

99 57.3 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

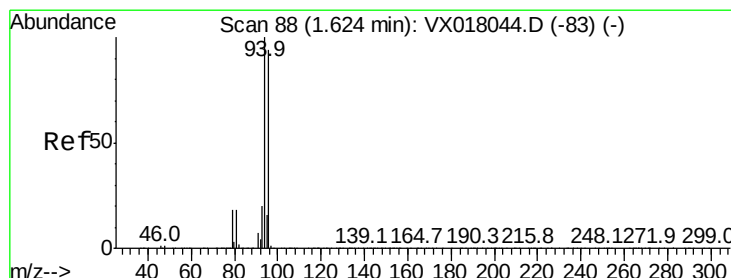
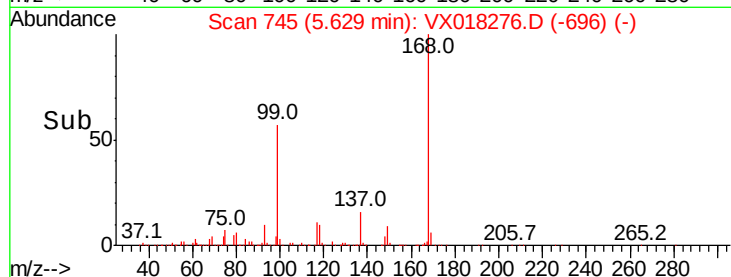
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.393 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018276.D

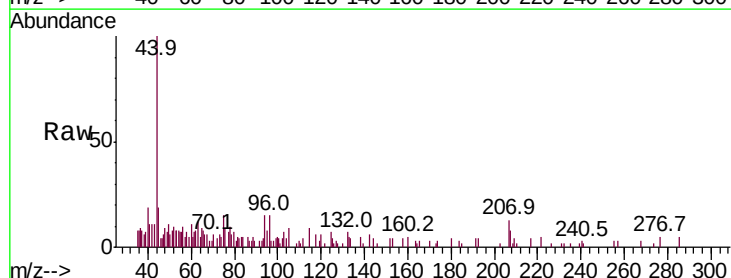
Acq: 08 Sep 2020 15:34

Tgt Ion: 94 Resp: 1058

Ion Ratio Lower Upper

94 100

96 87.8 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

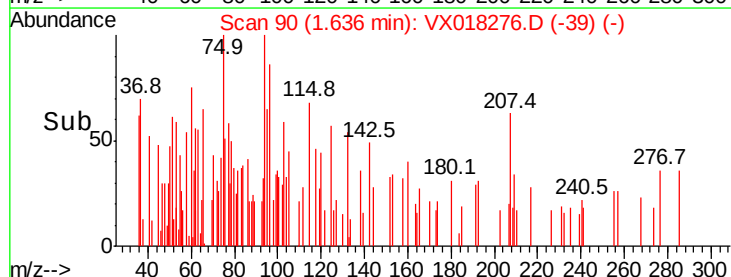
300

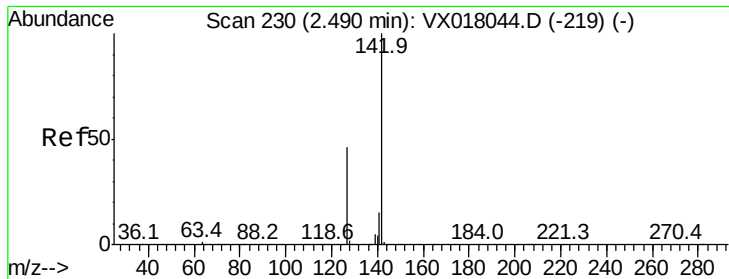
200

100

0

Time-->

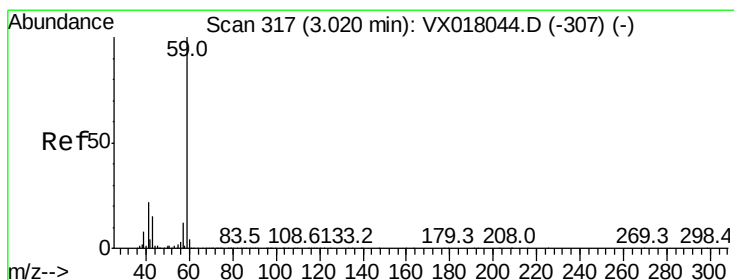
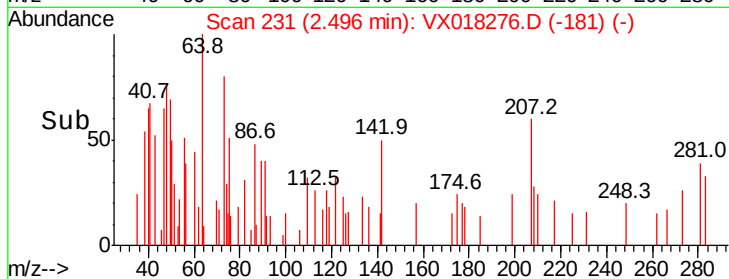
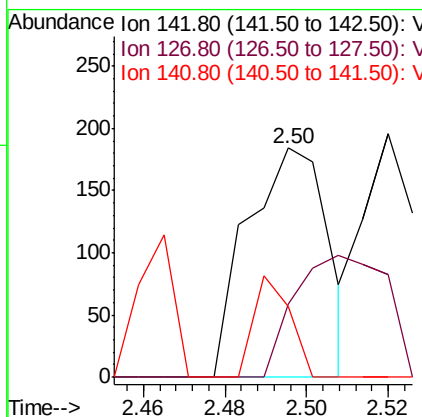
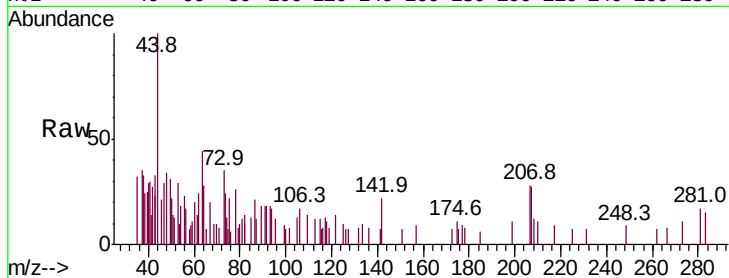




#10
Methvl Iodide
Concen: 5.338 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018276.D
Acq: 08 Sep 2020 15:34

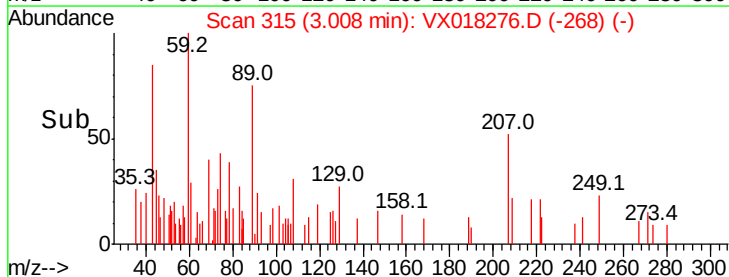
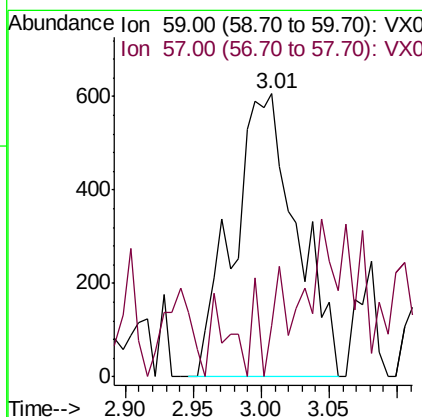
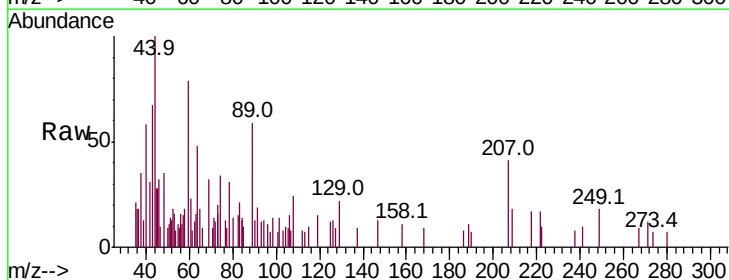
Instrument :
MSVOA_X
ClientSampled :
MW-3

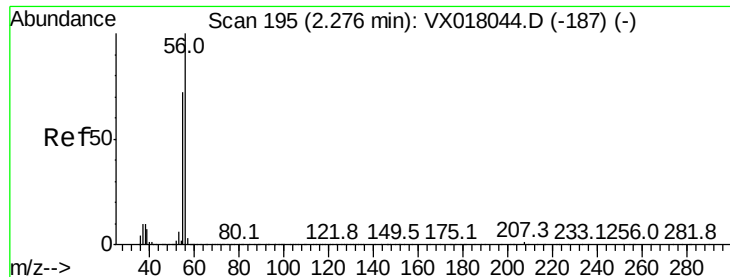
Tot Ion:142 Resp: 252
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.6#
141 20.2 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.673 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018276.D
Acq: 08 Sep 2020 15:34

Tgt Ion: 59 Resp: 1973
Ion Ratio Lower Upper
59 100
57 8.1 8.9 13.3#





#13

Acrolein

Concen: 0.785 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018276.D

Acq: 08 Sep 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

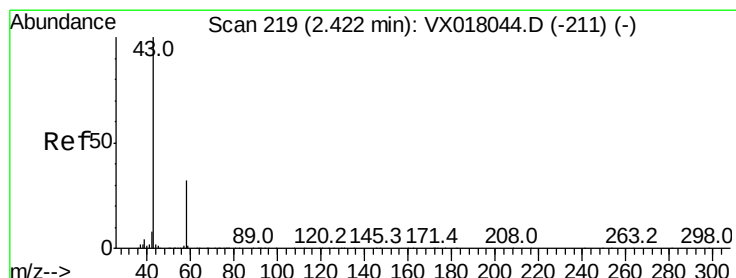
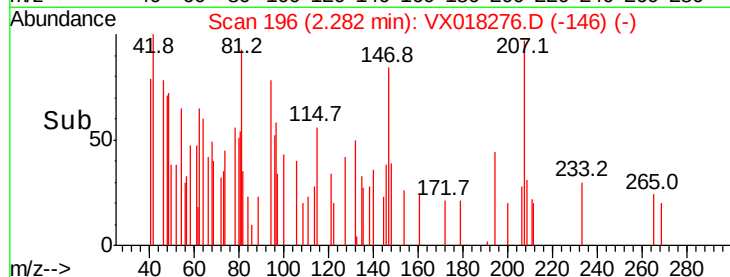
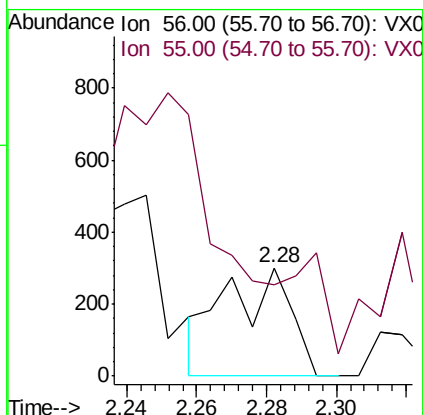
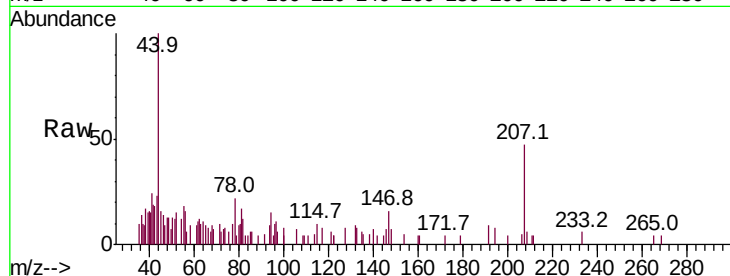
MW-3

Tot Ion: 56 Resp: 384

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#



#16

Acetone

Concen: 7.168 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018276.D

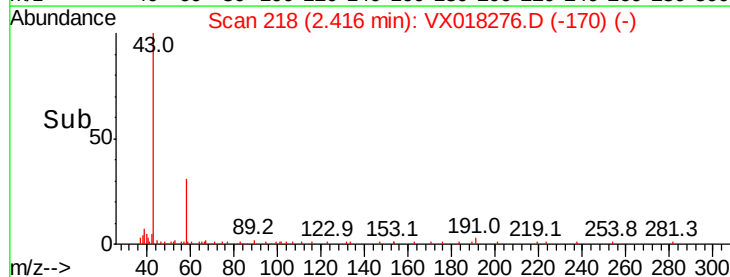
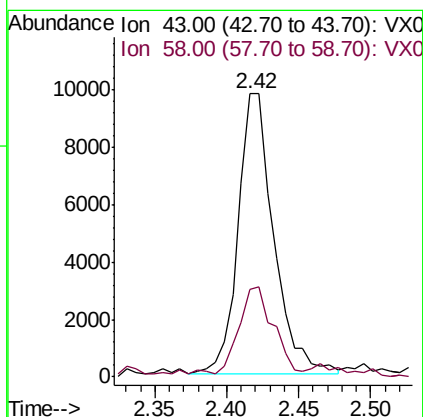
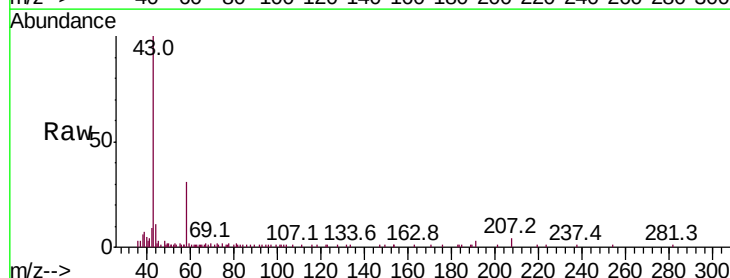
Acq: 08 Sep 2020 15:34

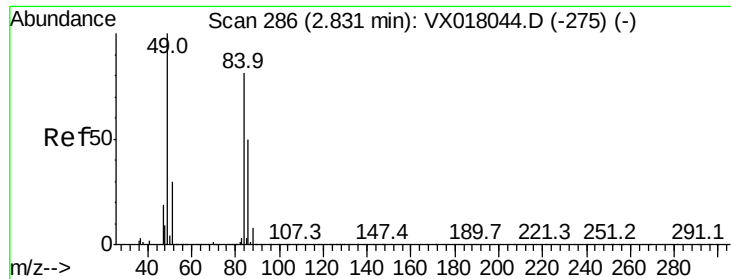
Tgt Ion: 43 Resp: 16937

Ion Ratio Lower Upper

43 100

58 29.1 25.5 38.3

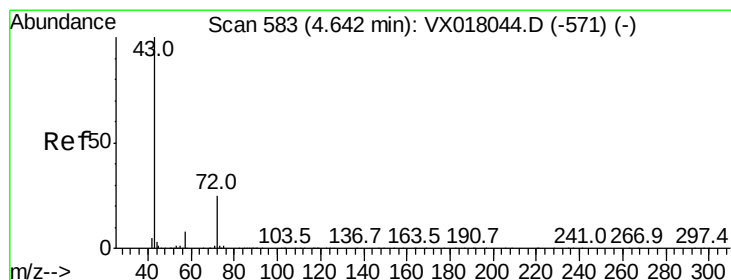
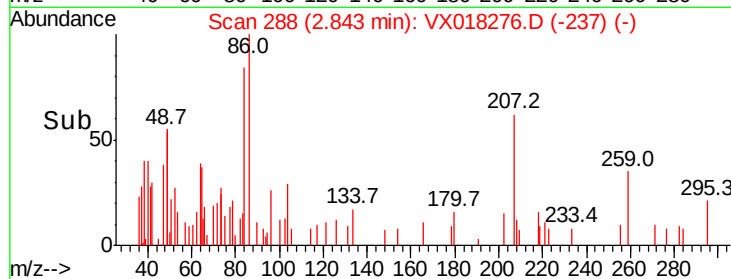
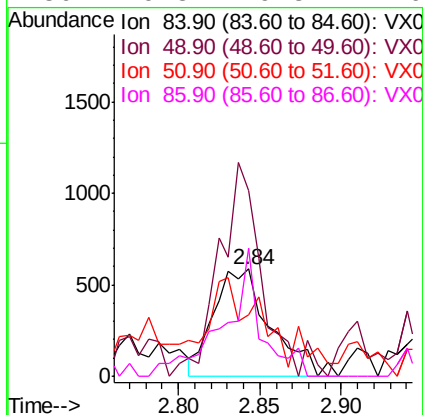
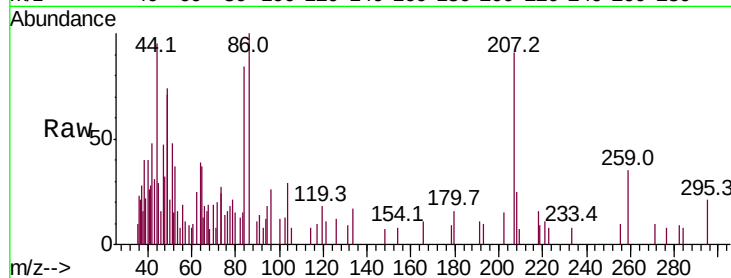




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018276.D
Acq: 08 Sep 2020 15:34

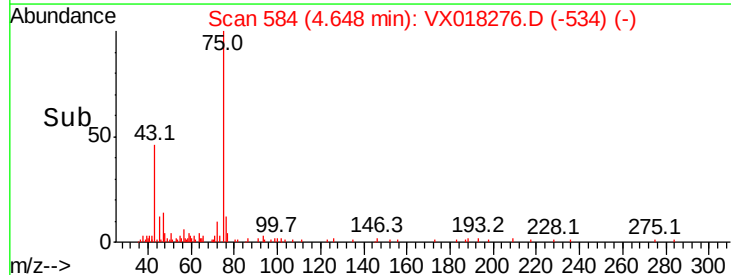
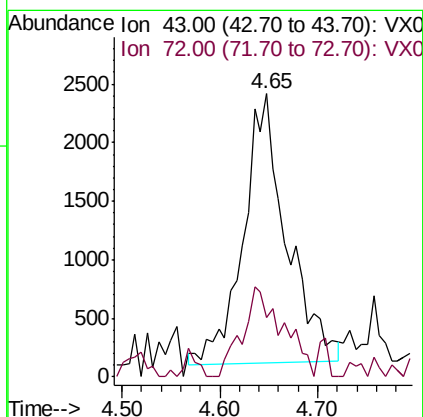
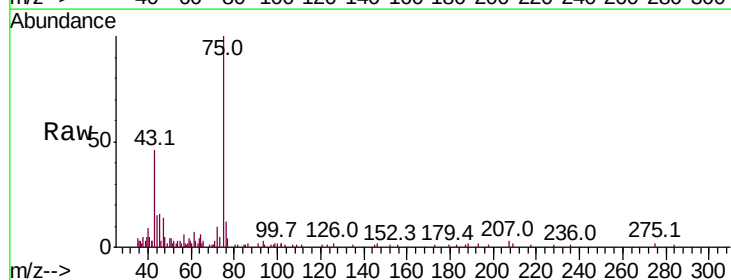
Instrument :
MSVOA_X
ClientSampled :
MW-3

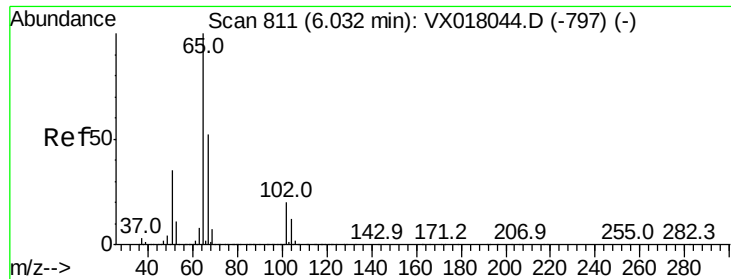
Tot Ion: 84 Resp: 1426
Ion Ratio Lower Upper
84 100
49 155.4 98.6 148.0#
51 45.0 29.6 44.4#
86 119.3 49.8 74.6#



#25
2-Butanone
Concen: 1.816 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018276.D
Acq: 08 Sep 2020 15:34

Tgt Ion: 43 Resp: 7052
Ion Ratio Lower Upper
43 100
72 15.5 19.8 29.6#

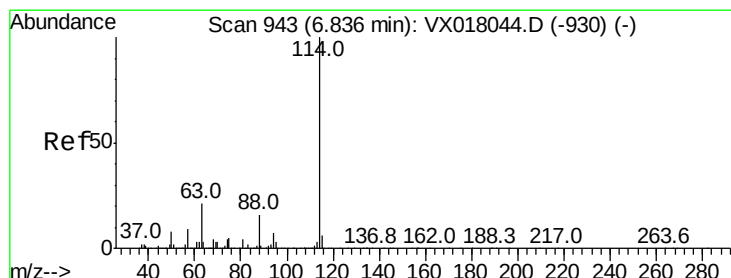
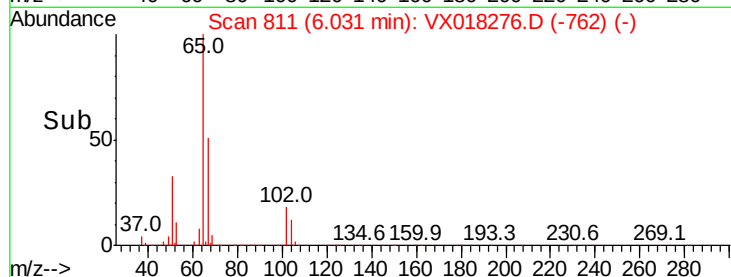
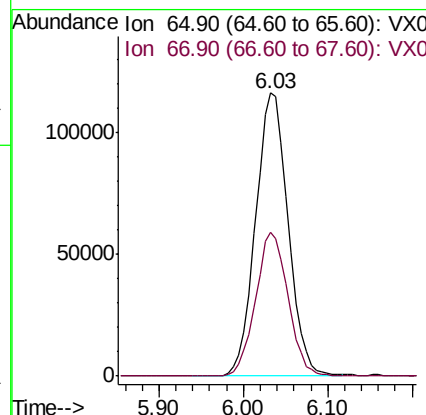
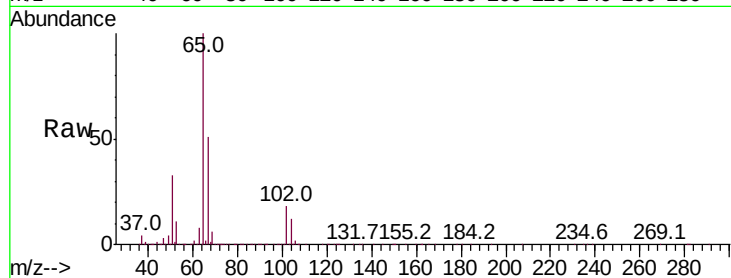




#33
 1,2-Dichloroethane-d4
 Concen: 50.353 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018276.D
 Acq: 08 Sep 2020 15:34

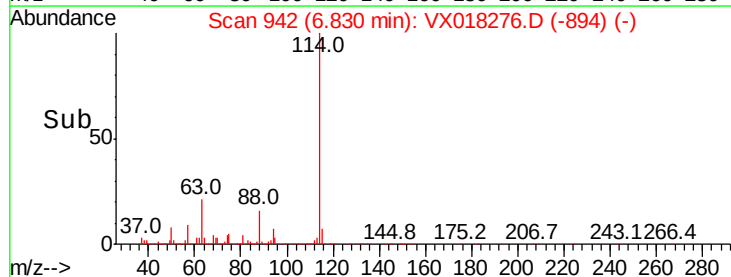
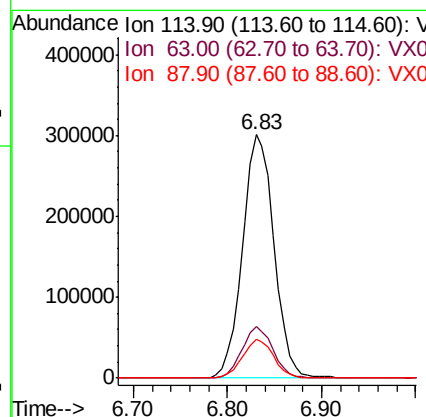
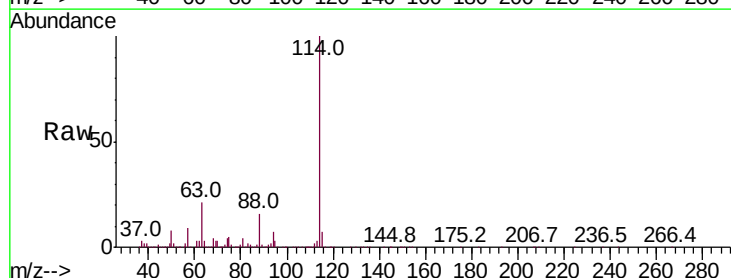
Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

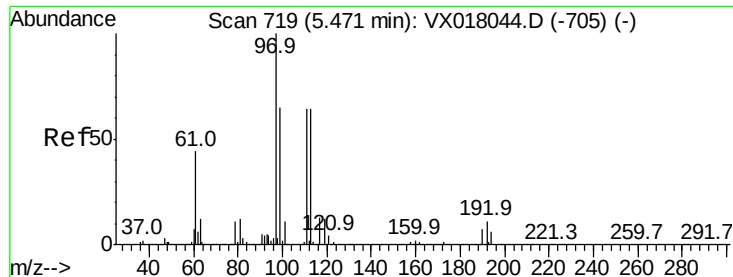
Tot Ion: 65 Resp: 305335
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018276.D
 Acq: 08 Sep 2020 15:34

Tgt Ion: 114 Resp: 702611
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.6
 88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.681 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018276.D

Acq: 08 Sep 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

MW-3

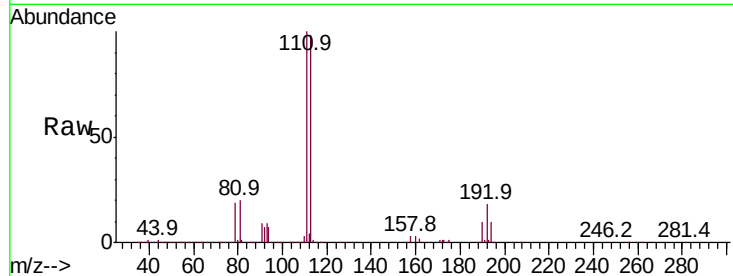
Tot Ion:113 Resp: 242516

Ion Ratio Lower Upper

113 100

111 104.4 81.6 122.4

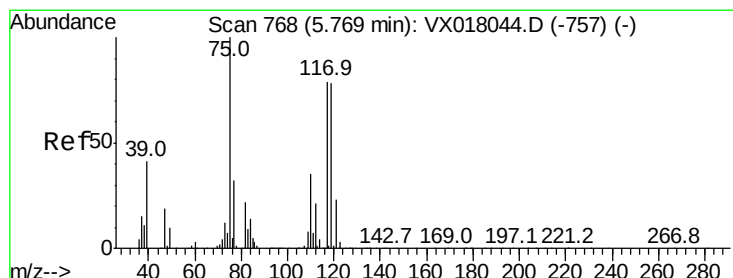
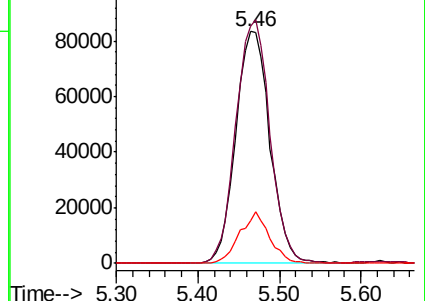
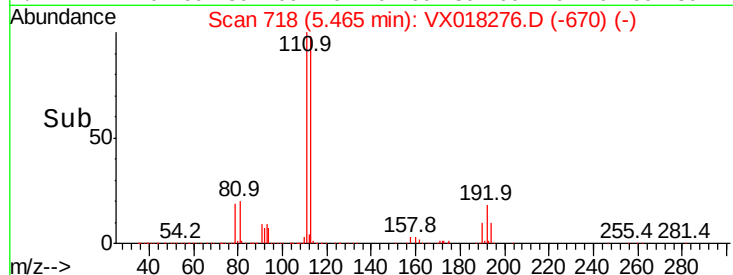
192 19.4 15.8 23.8



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: 5.353 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018276.D

Acq: 08 Sep 2020 15:34

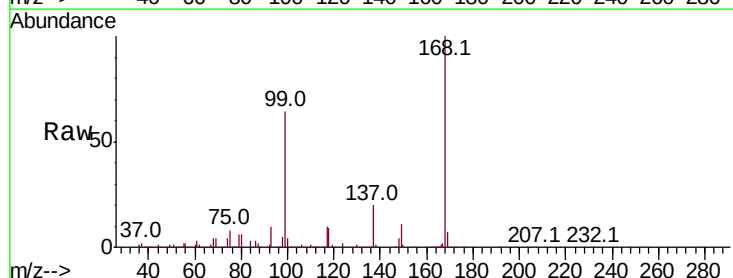
Tgt Ion: 75 Resp: 34689

Ion Ratio Lower Upper

75 100

110 10.8 18.0 54.0#

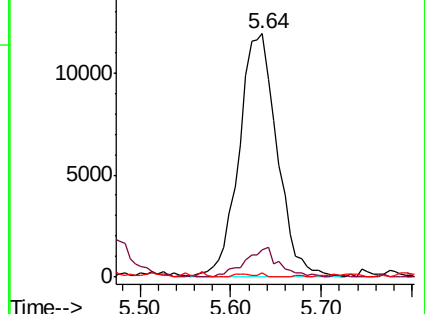
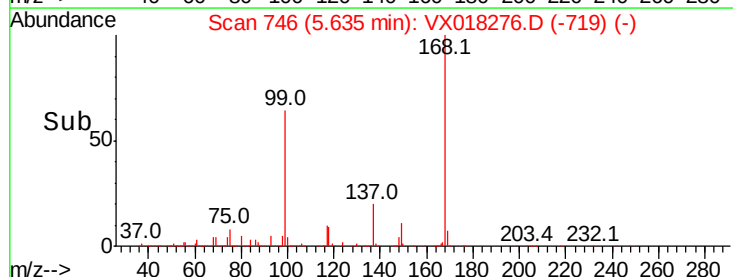
77 0.0 24.4 36.6#

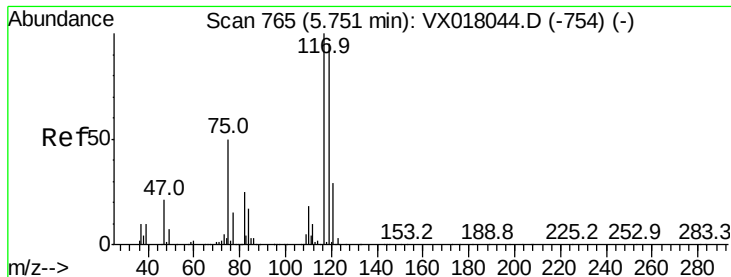


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.410 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018276.D

Acq: 08 Sep 2020 15:34

Instrument :

MSVOA_X

ClientSampled :

MW-3

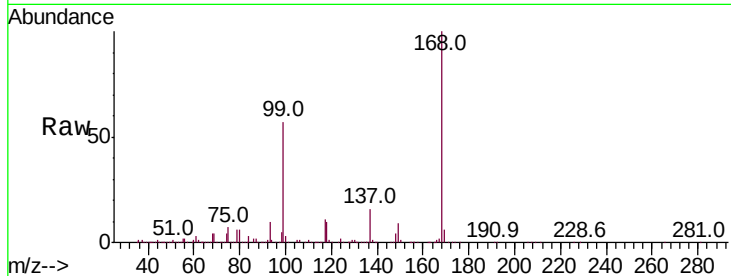
Tot Ion:117 Resp: 46812

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

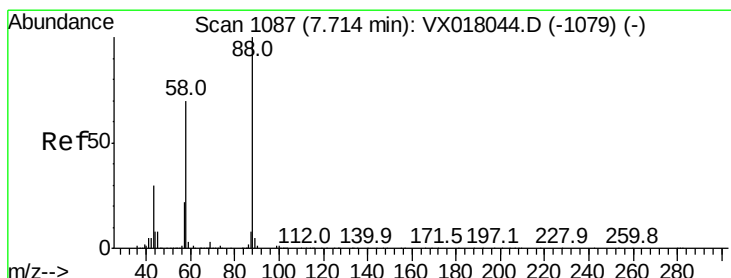
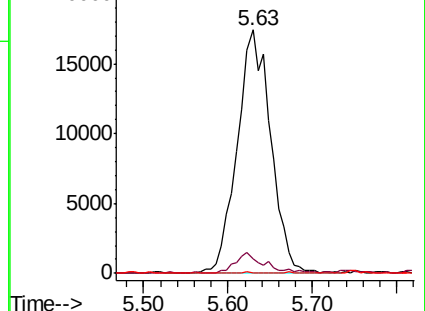
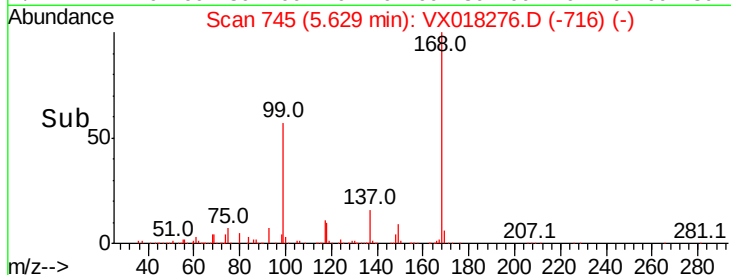
121 0.0 23.4 35.0#



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



#49

1,4-Dioxane

Concen: 0.210 ug/l

RT: 7.70 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VX018276.D

Acq: 08 Sep 2020 15:34

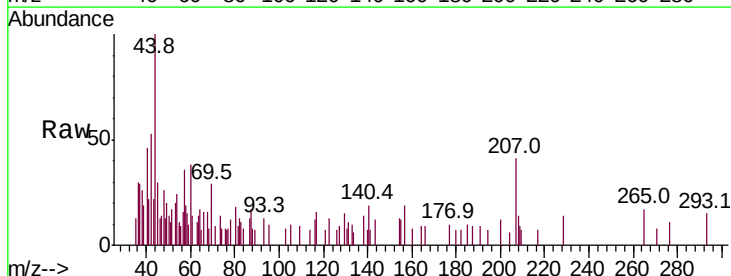
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 973.9 27.4 41.0#

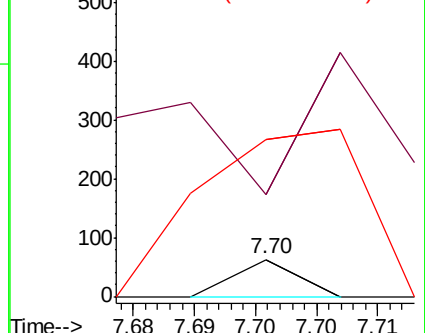
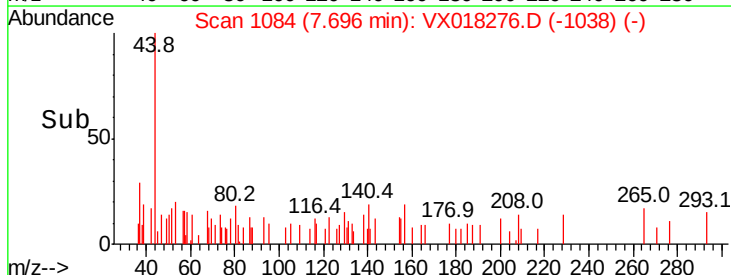
58 1152.2 56.4 84.6#

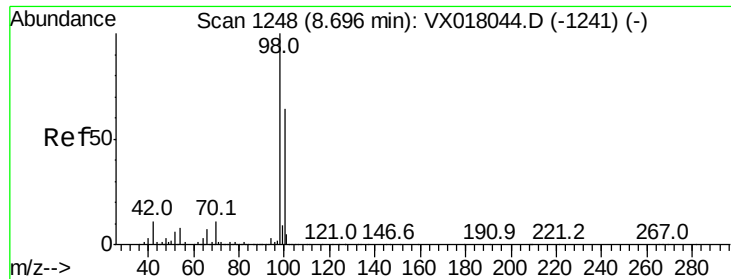


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.958 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018276.D

Acq: 08 Sep 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

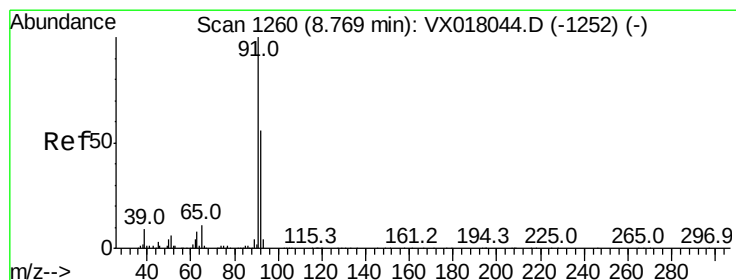
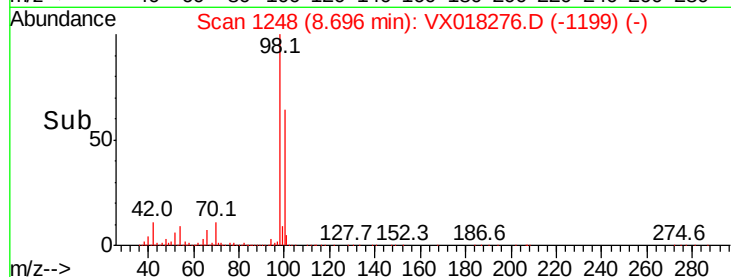
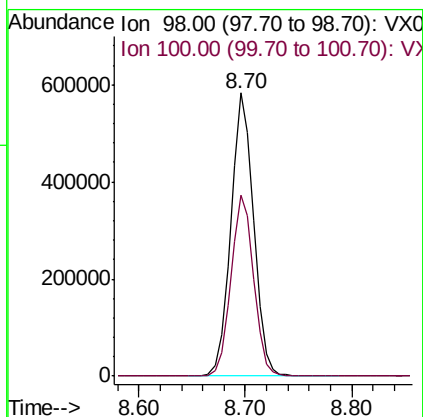
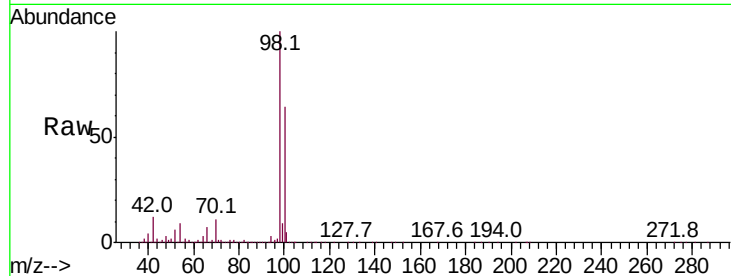
MW-3

Tot Ion: 98 Resp: 872548

Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.4



#52

Toluene

Concen: 0.215 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018276.D

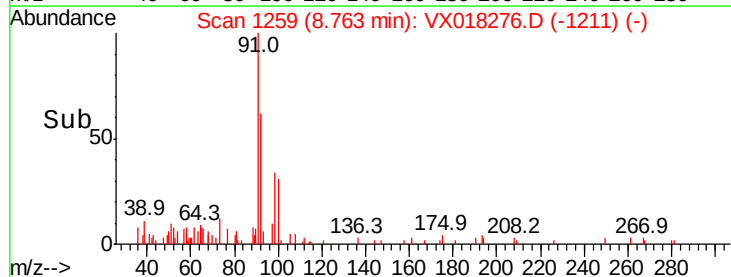
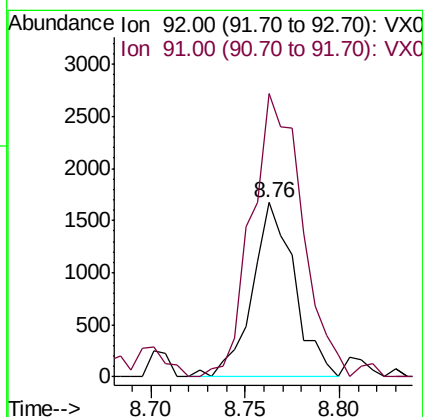
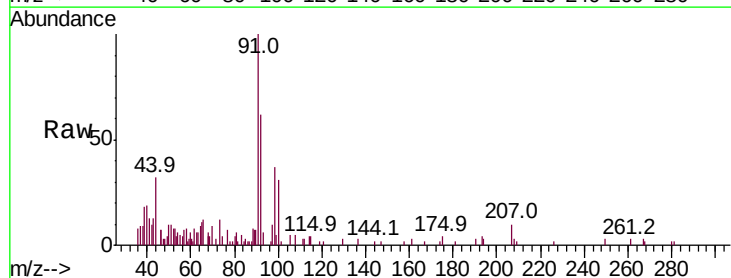
Acq: 08 Sep 2020 15:34

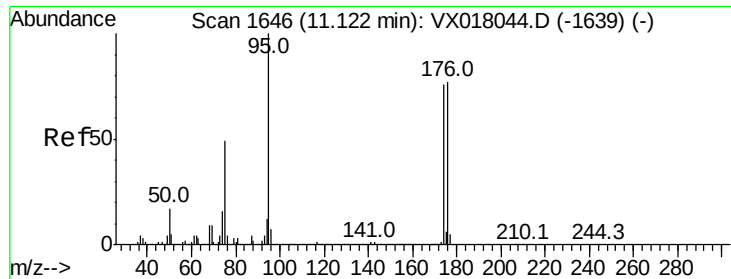
Tgt Ion: 92 Resp: 2599

Ion Ratio Lower Upper

92 100

91 198.3 140.3 210.5





#62

4-Bromofluorobenzene

Concen: 46.981 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018276.D

Acq: 08 Sep 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

MW-3

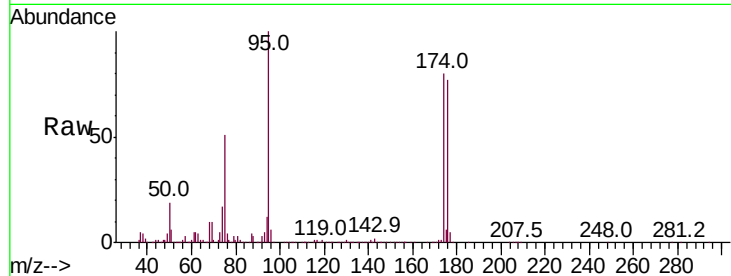
Tot Ion: 95 Resp: 329435

Ion Ratio Lower Upper

95 100

174 81.9 0.0 160.2

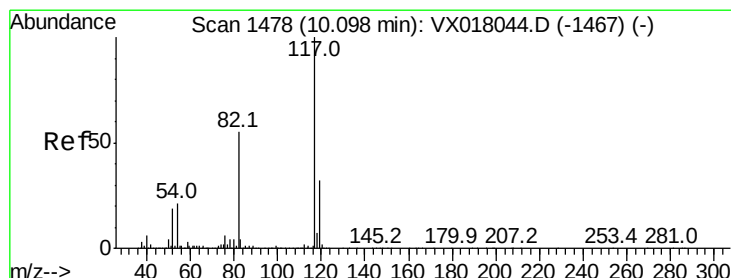
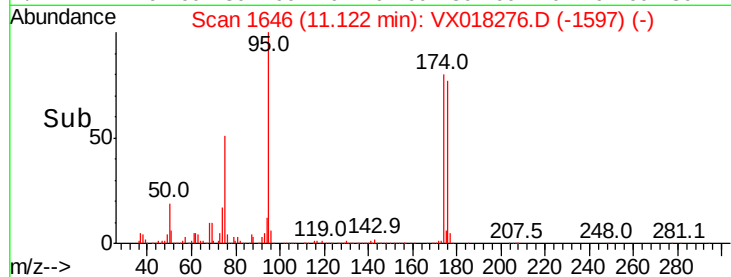
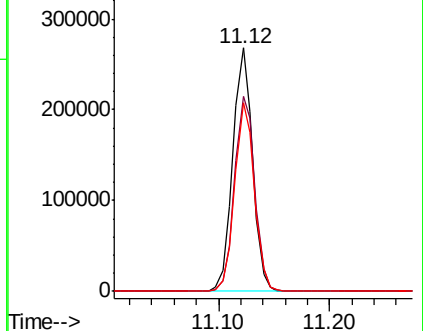
176 77.2 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018276.D

Acq: 08 Sep 2020 15:34

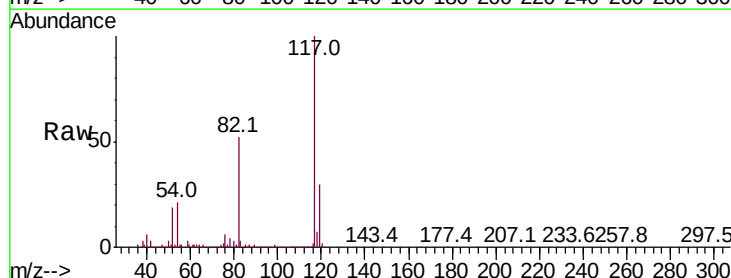
Tgt Ion: 117 Resp: 691599

Ion Ratio Lower Upper

117 100

82 51.8 44.2 66.2

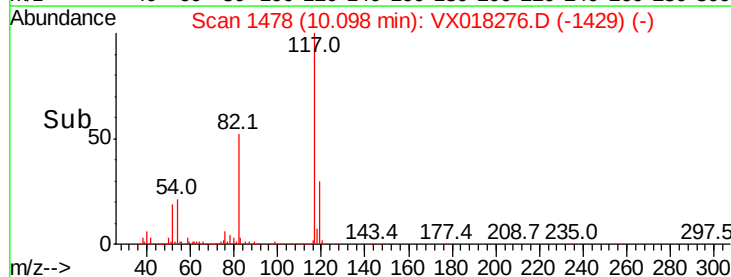
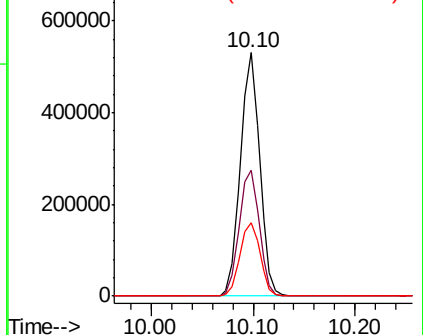
119 30.3 25.7 38.5

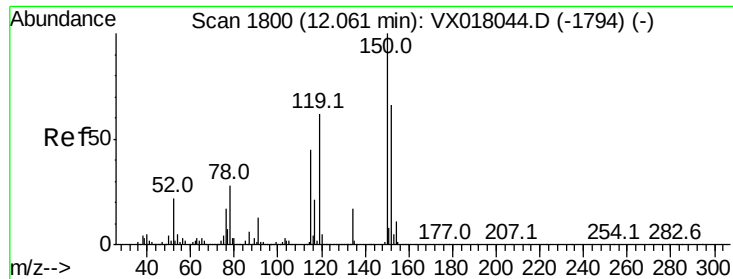


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018276.D

Acq: 08 Sep 2020 15:34

Instrument :

MSVOA_X

ClientSampled :

MW-3

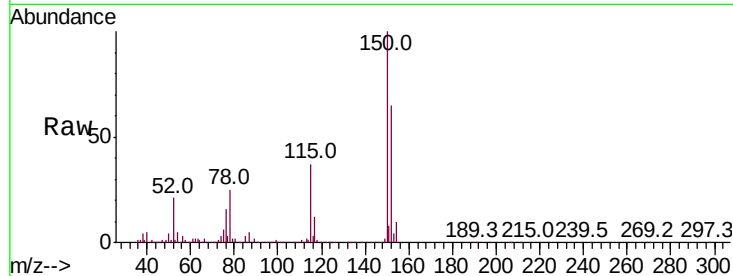
Tot Ion:152 Resp: 358256

Ion Ratio Lower Upper

152 100

115 59.0 41.5 124.5

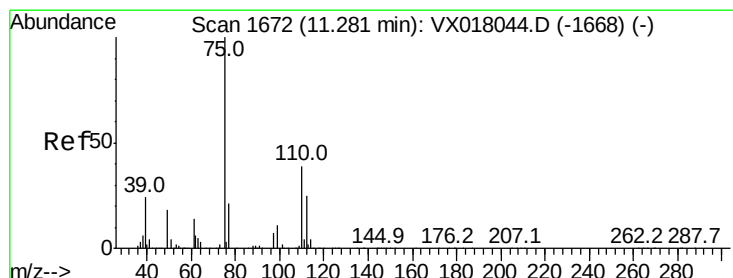
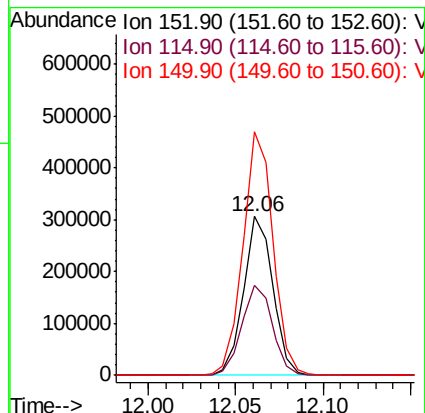
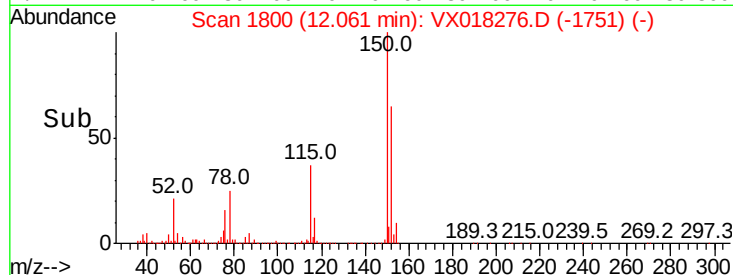
150 156.0 0.0 343.8



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: 21.176 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018276.D

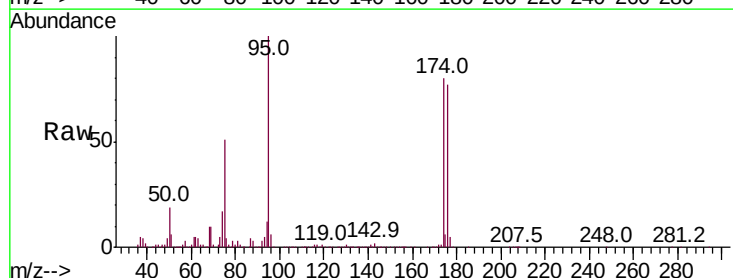
Acq: 08 Sep 2020 15:34

Tgt Ion: 75 Resp: 168764

Ion Ratio Lower Upper

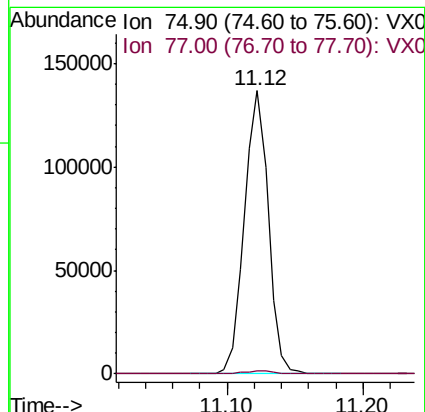
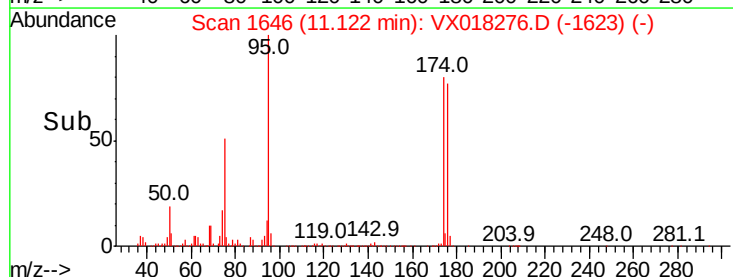
75 100

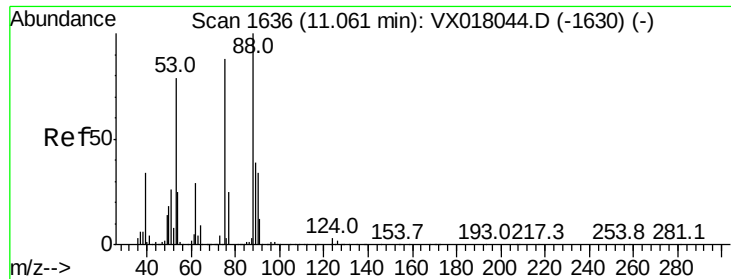
77 1.3 20.8 62.2#



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: 57.193 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018276.D

Acq: 08 Sep 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

MW-3

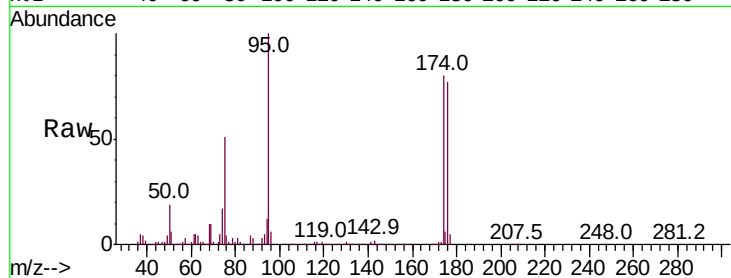
Tot Ion: 75 Resp: 168764

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#



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

