

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091720\
 Data File : VX018471.D
 Acq On : 17 Sep 2020 17:09
 Operator : JC/SP
 Sample : L4014-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Sep 18 06:33:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	540235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	870115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	820912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	404604	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	365686	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	5.46	113	287888	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
50) Toluene-d8	8.70	98	1054269	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.12	95	398022	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	

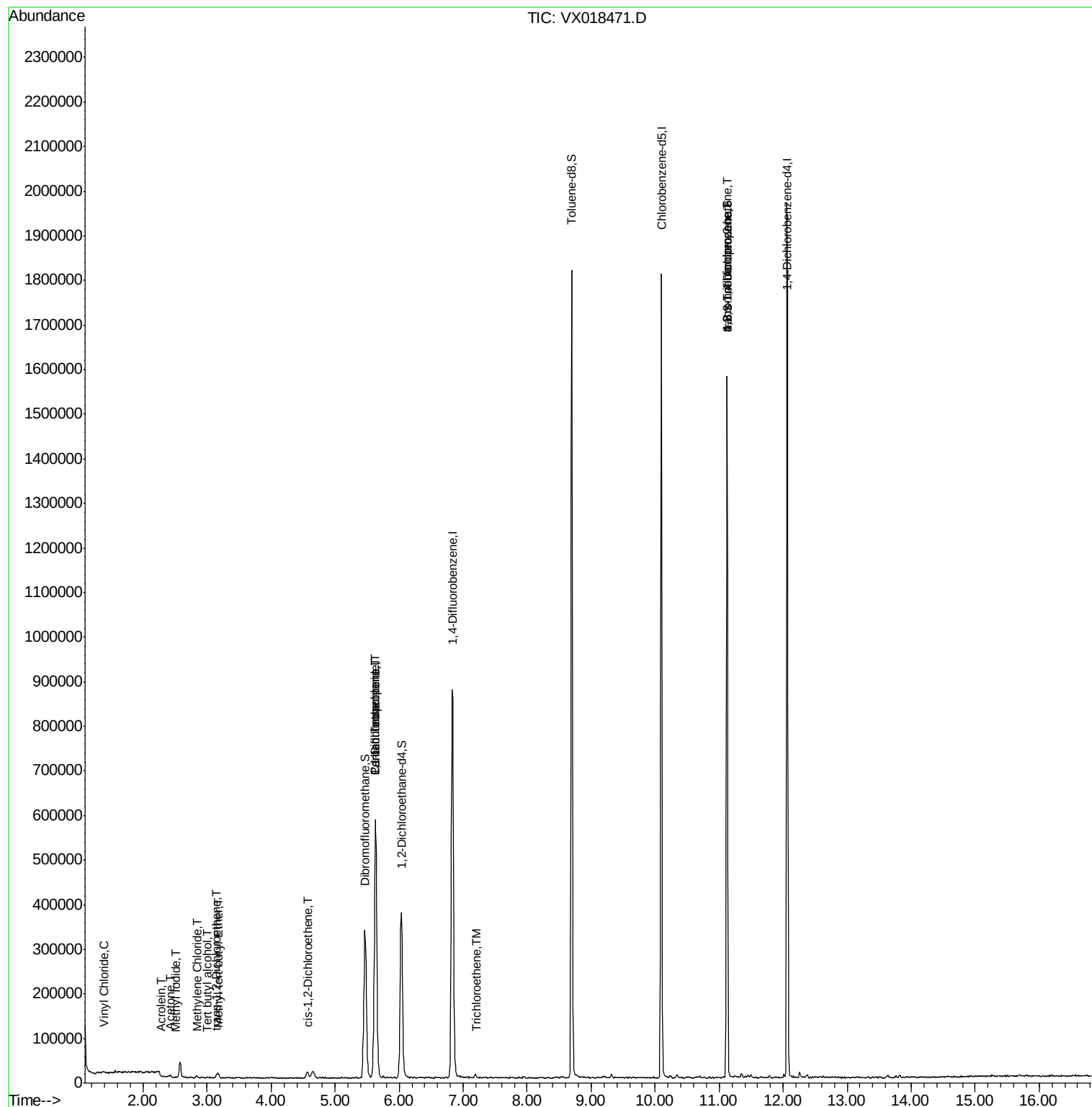
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	2233	0.352	ug/l	92
10) Methyl Iodide	2.52	142	843	5.033	ug/l #	80
11) Tert butyl alcohol	2.99	59	680	0.511	ug/l #	1
13) Acrolein	2.29	56	492	0.584	ug/l	96
16) Acetone	2.42	43	6716	2.298	ug/l	90
19) Methyl tert-butyl Ether	3.17	73	11686	0.636	ug/l	94
20) Methylene Chloride	2.84	84	2083	0.323	ug/l #	68
21) trans-1,2-Dichloroethene	3.14	96	1732	0.285	ug/l #	83
27) cis-1,2-Dichloroethene	4.57	96	9192	1.349	ug/l	79
36) 1,1-Dichloropropene	5.64	75	40547	4.801	ug/l #	51
38) Carbon Tetrachloride	5.63	117	55786	5.964	ug/l #	19
44) Trichloroethene	7.21	130	2384	0.340	ug/l	52
76) 1,2,3-Trichloropropane	11.12	75	197994	23.287	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	197994	59.672	ug/l #	13

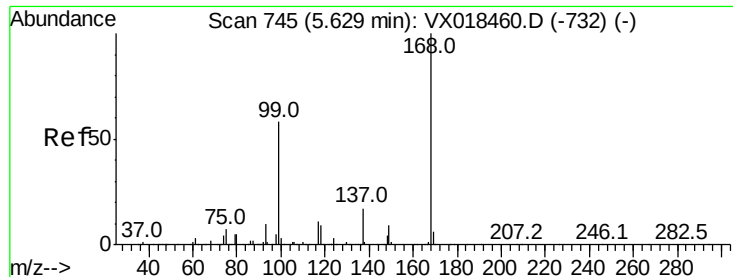
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018471.D

Acq: 17 Sep 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

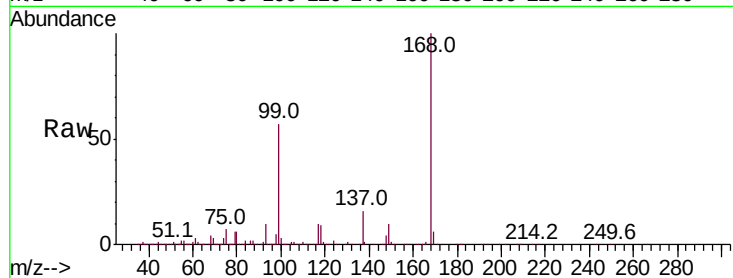
MW-4

Tot Ion:168 Resp: 540235

Ion Ratio Lower Upper

168 100

99 57.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

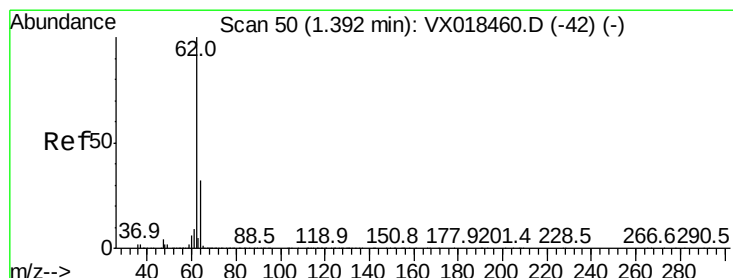
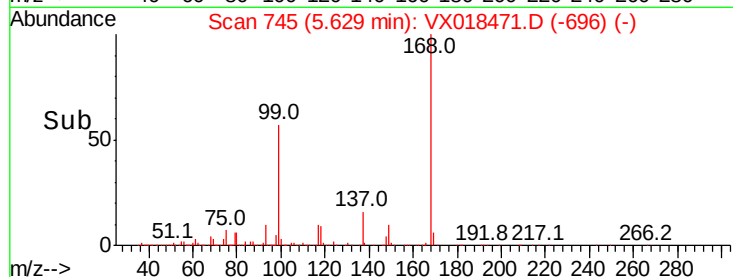
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 0.352 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018471.D

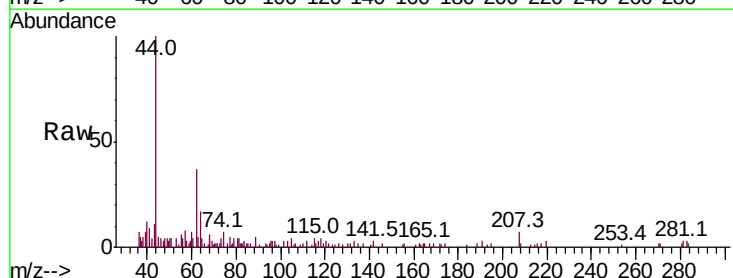
Acq: 17 Sep 2020 17:09

Tgt Ion: 62 Resp: 2233

Ion Ratio Lower Upper

62 100

64 36.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

2000

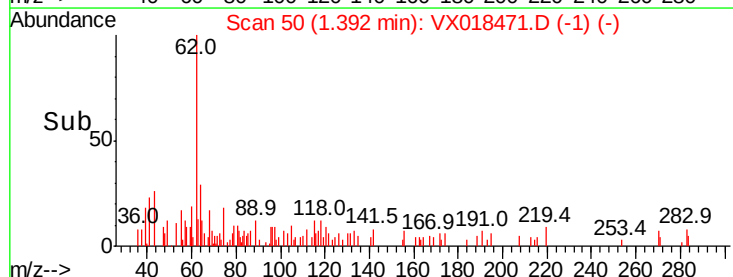
1500

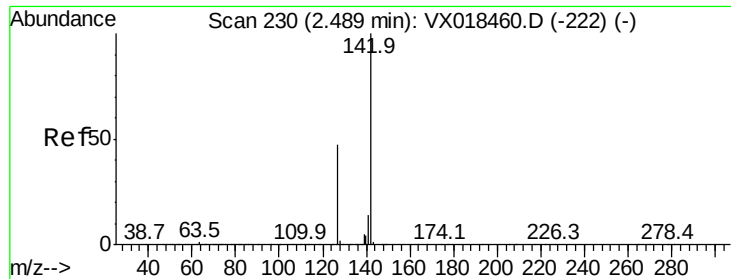
1000

500

0

Time-->

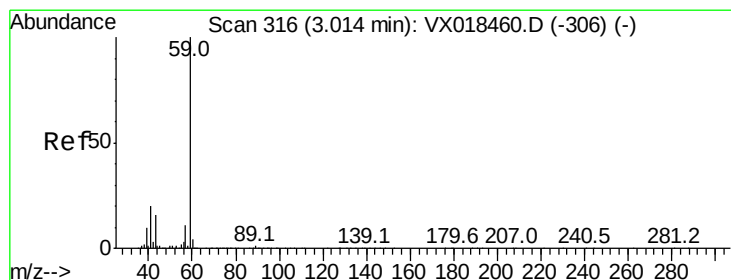
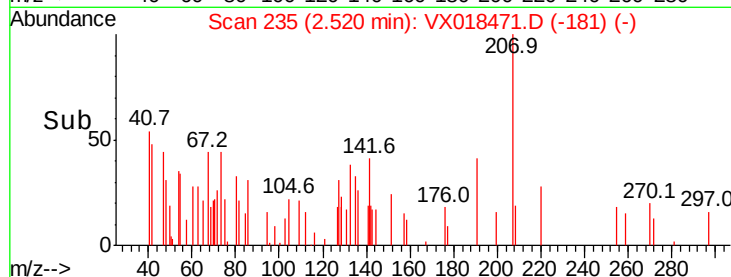
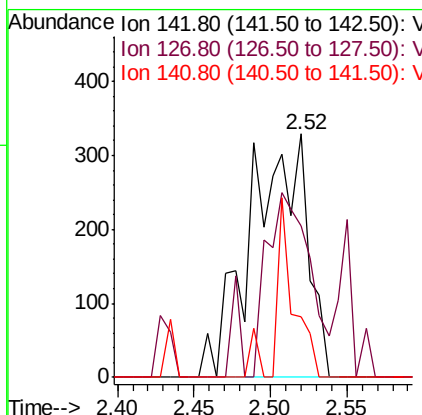
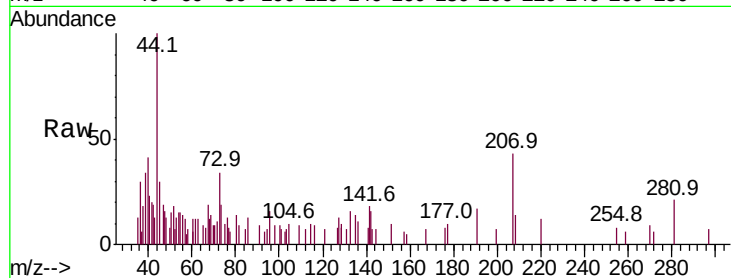




#10
Methyl Iodide
Concen: 5.033 ug/l
RT: 2.52 min Scan# 235
Delta R.T. 0.03 min
Lab File: VX018471.D
Acq: 17 Sep 2020 17:09

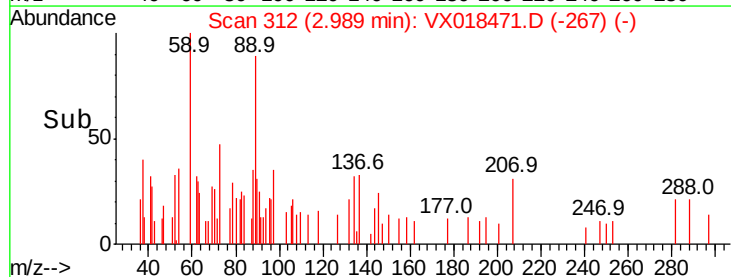
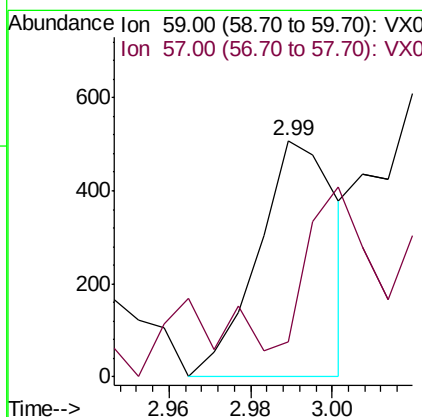
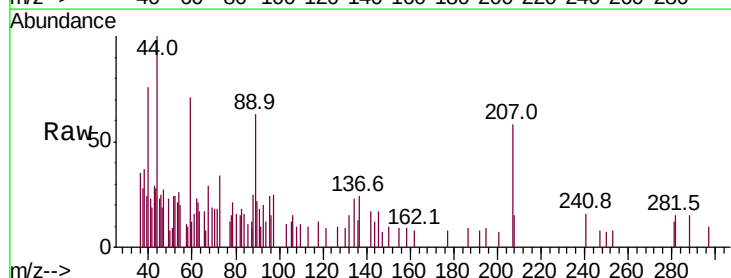
Instrument :
MSVOA_X
ClientSampleId :
MW-4

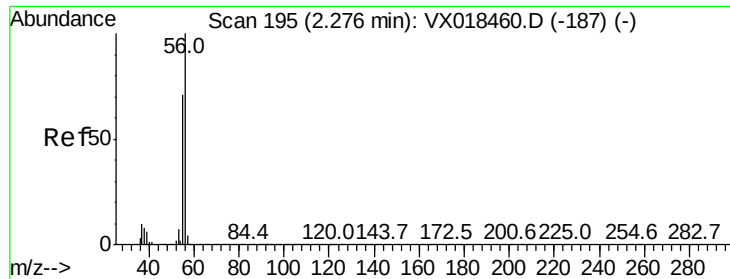
Tot Ion:142 Resp: 843
Ion Ratio Lower Upper
142 100
127 58.4 36.0 54.0#
141 23.3 11.9 17.9#



#11
Tert butyl alcohol
Concen: 0.511 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX018471.D
Acq: 17 Sep 2020 17:09

Tgt Ion: 59 Resp: 680
Ion Ratio Lower Upper
59 100
57 52.8 8.2 12.4#





#13

Acrolein

Concen: 0.584 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.01 min

Lab File: VX018471.D

Acq: 17 Sep 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

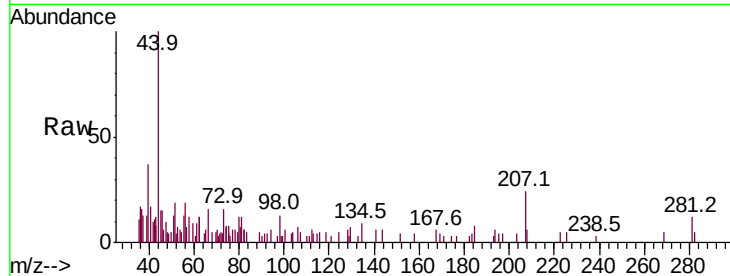
MW-4

Tot Ion: 56 Resp: 492

Ion Ratio Lower Upper

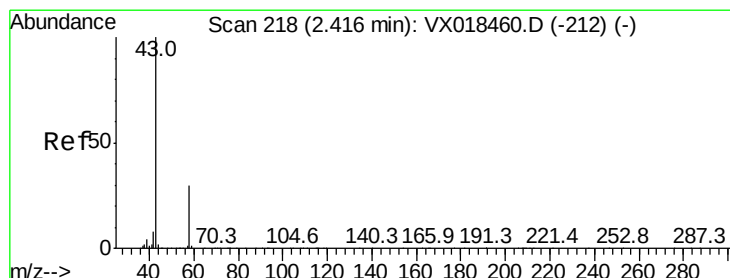
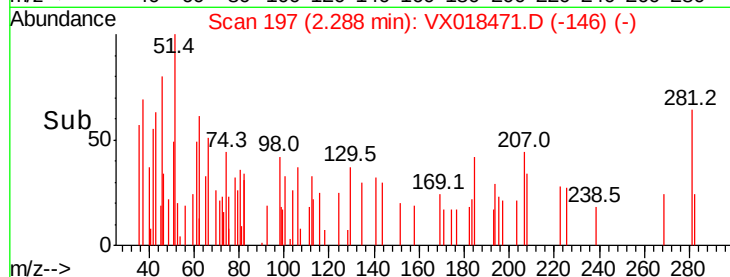
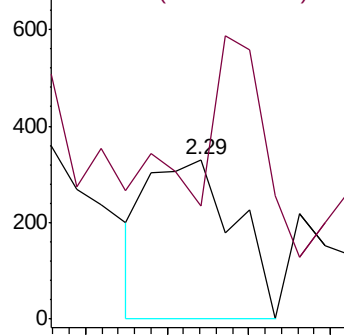
56 100

55 75.8 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.298 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018471.D

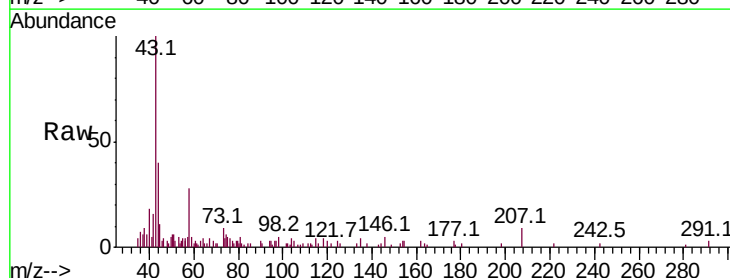
Acq: 17 Sep 2020 17:09

Tgt Ion: 43 Resp: 6716

Ion Ratio Lower Upper

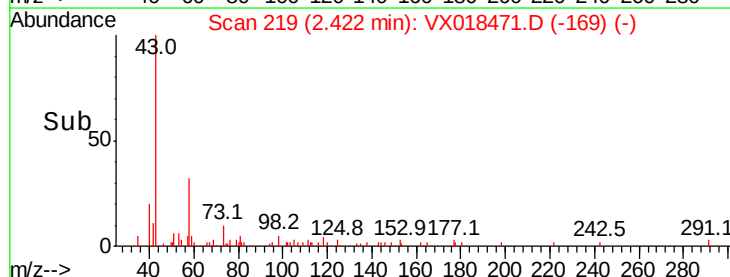
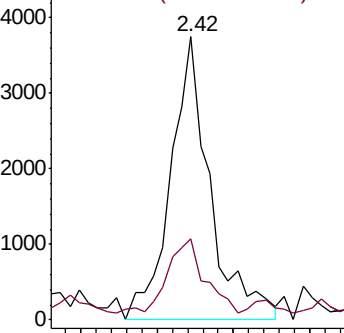
43 100

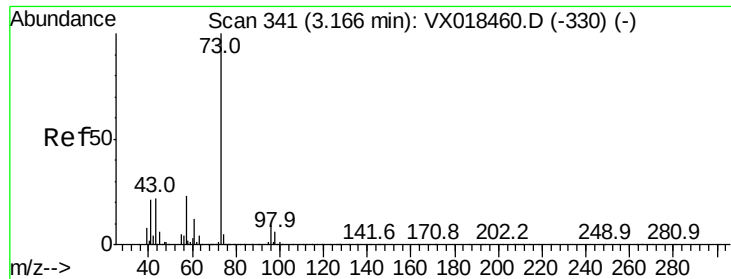
58 24.6 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



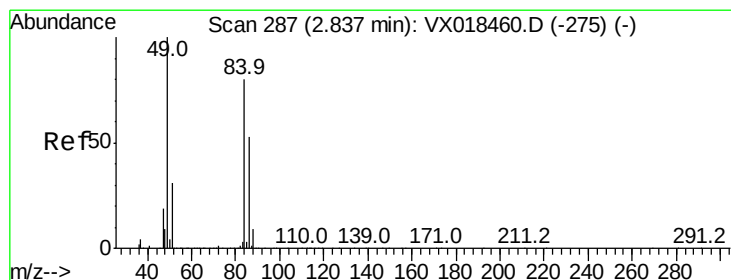
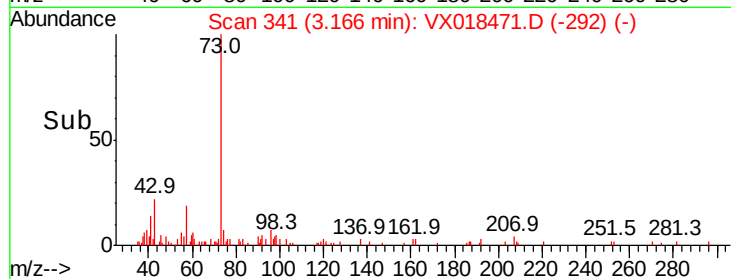
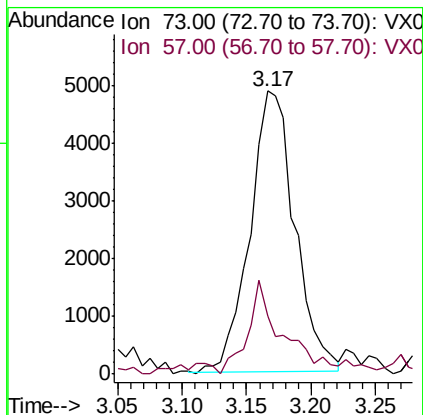
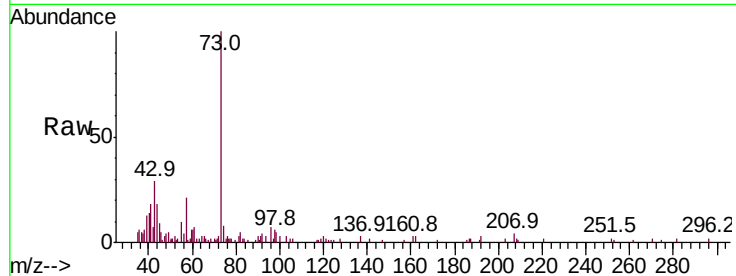


#19

Methyl tert-butyl Ether
 Concen: 0.636 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX018471.D
 Acq: 17 Sep 2020 17:09

Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

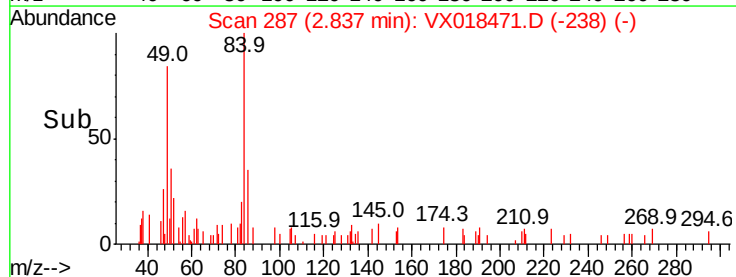
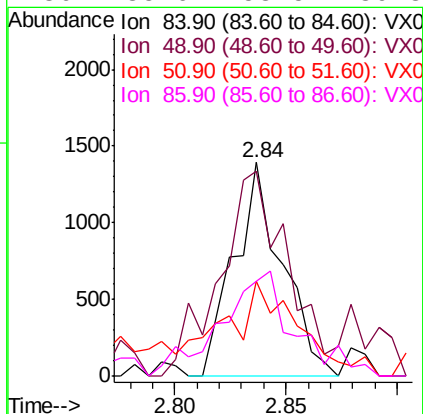
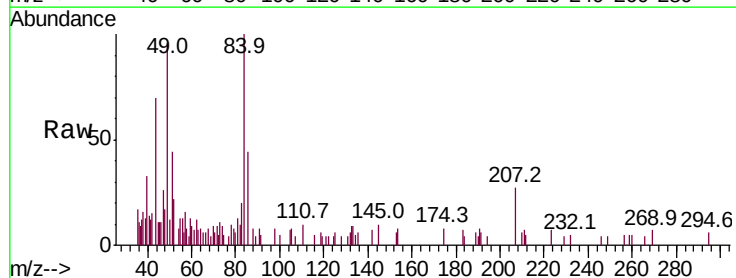
Tot Ion: 73 Resp: 11686
 Ion Ratio Lower Upper
 73 100
 57 19.6 18.0 27.0

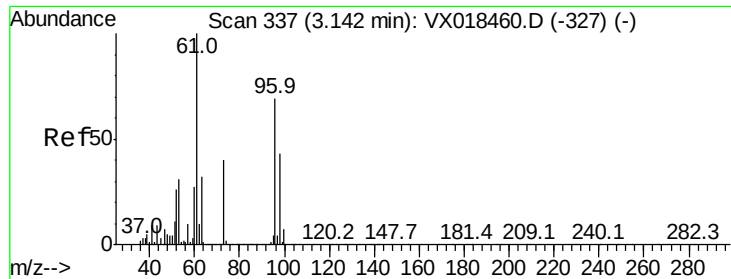


#20

Methylene Chloride
 Concen: 0.323 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VX018471.D
 Acq: 17 Sep 2020 17:09

Tgt Ion: 84 Resp: 2083
 Ion Ratio Lower Upper
 84 100
 49 82.4 100.6 151.0#
 51 37.5 30.9 46.3
 86 35.6 53.5 80.3#





#21

trans-1,2-Dichloroethene

Concen: 0.285 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX018471.D

Acq: 17 Sep 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

MW-4

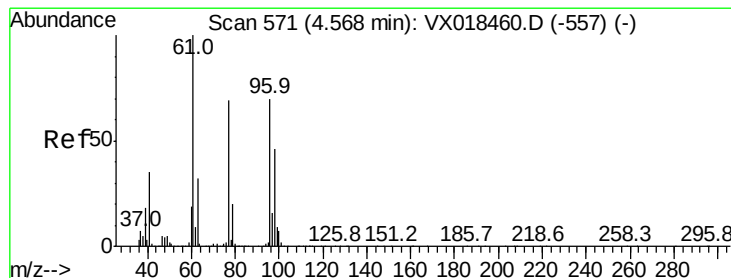
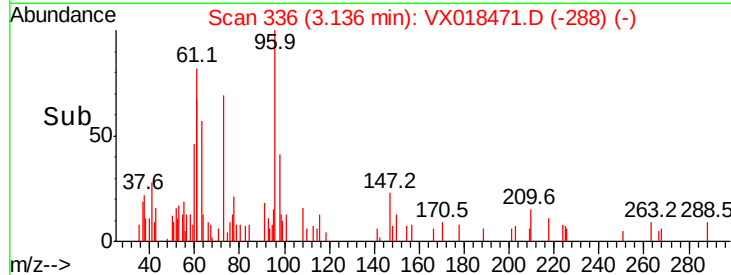
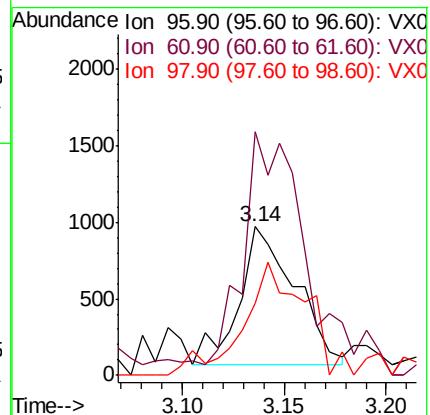
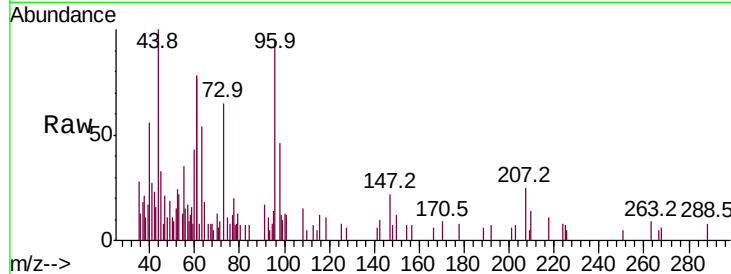
Tot Ion: 96 Resp: 1732

Ion Ratio Lower Upper

96 100

61 166.0 115.6 173.4

98 50.1 50.2 75.4#



#27

cis-1,2-Dichloroethene

Concen: 1.349 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX018471.D

Acq: 17 Sep 2020 17:09

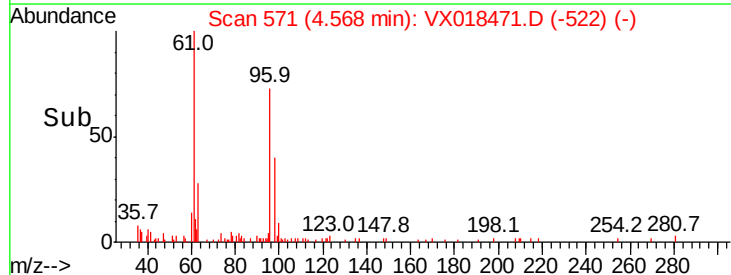
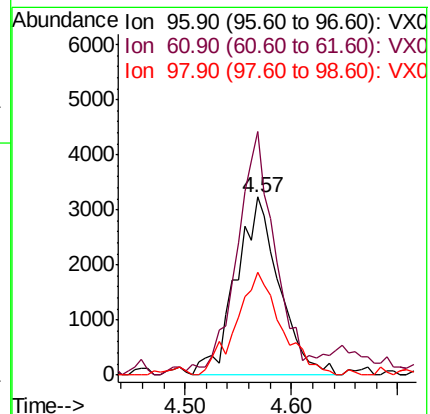
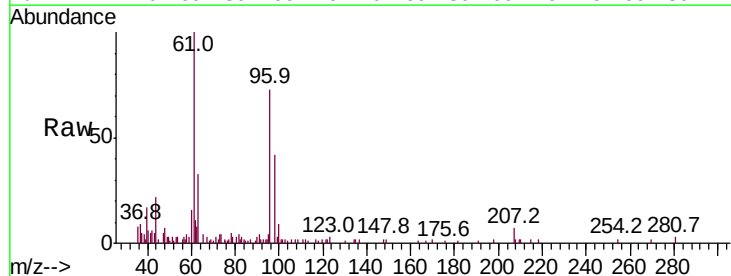
Tgt Ion: 96 Resp: 9192

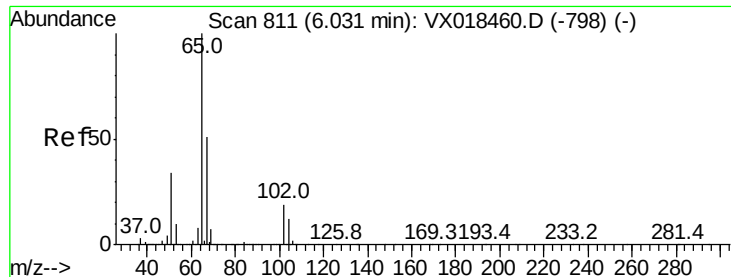
Ion Ratio Lower Upper

96 100

61 115.1 0.0 300.0

98 60.1 0.0 130.4





#33

1,2-Dichloroethane-d4

Concen: 47.849 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018471.D

Acq: 17 Sep 2020 17:09

Instrument :

MSVOA_X

ClientSampled :

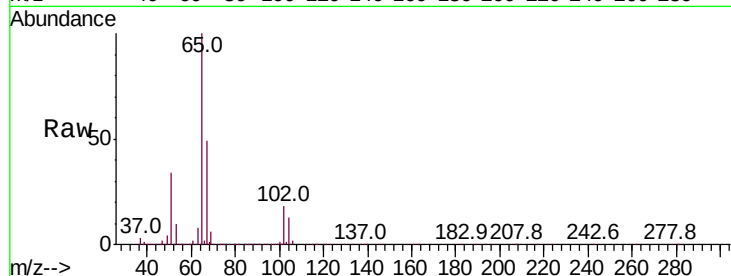
MW-4

Tot Ion: 65 Resp: 365686

Ion Ratio Lower Upper

65 100

67 50.4 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

150000

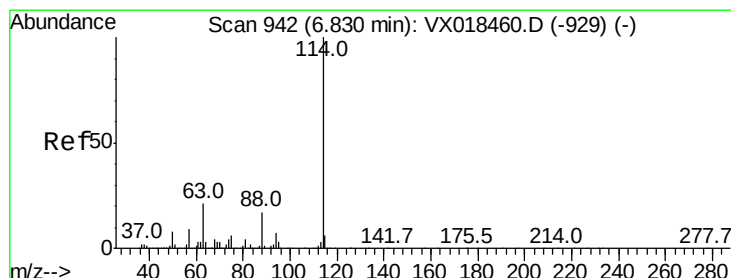
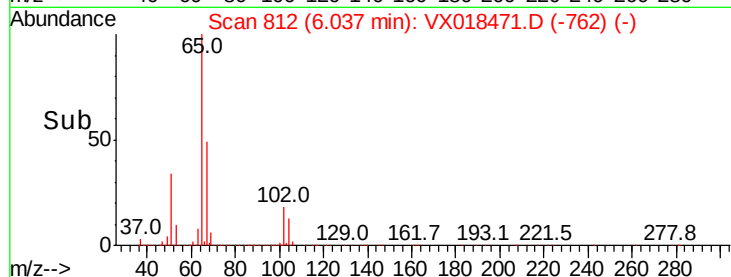
100000

50000

0

5.90 6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX018471.D

Acq: 17 Sep 2020 17:09

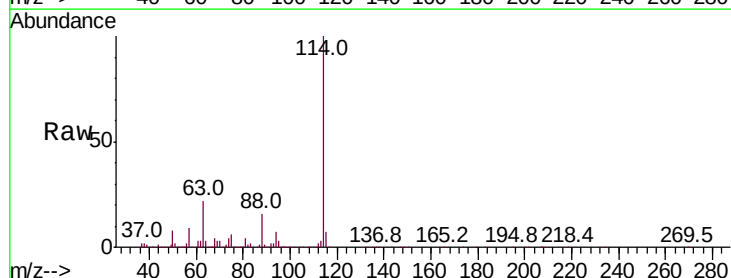
Tgt Ion: 114 Resp: 870115

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.8

88 16.1 0.0 33.6



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

500000

400000

300000

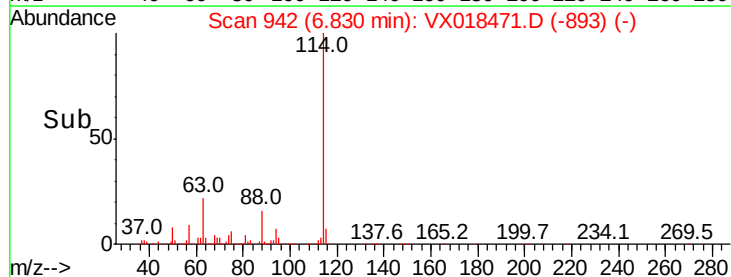
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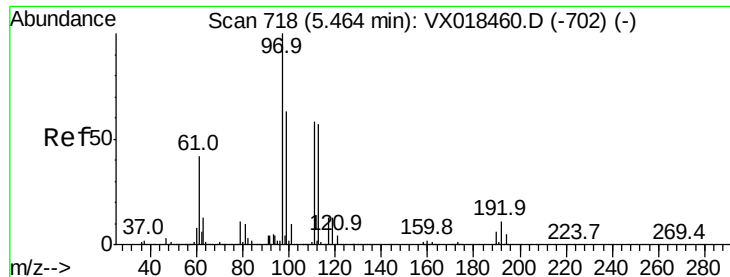
100000

0

6.70 6.80 6.90

Time-->





#35

Dibromofluoromethane

Concen: 47.860 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX018471.D

Acq: 17 Sep 2020 17:09

Instrument :

MSVOA_X

ClientSampled :

MW-4

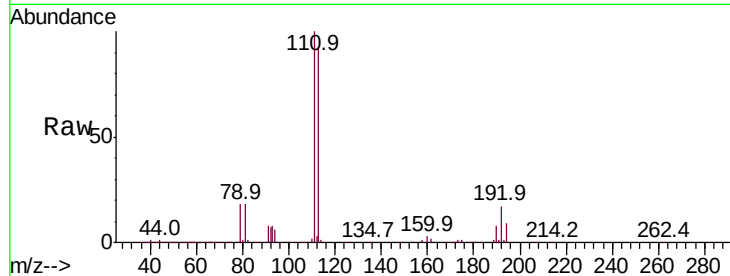
Tot Ion:113 Resp: 287888

Ion Ratio Lower Upper

113 100

111 104.8 81.4 122.2

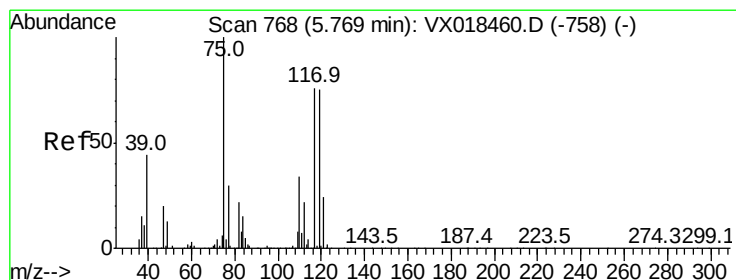
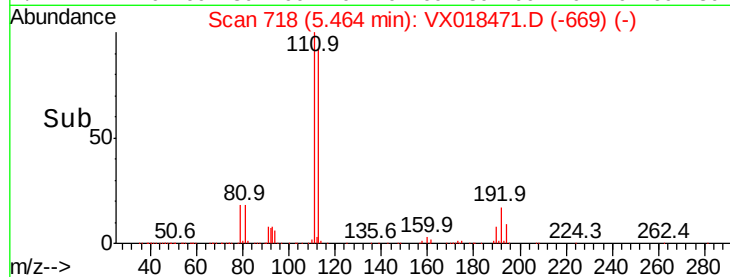
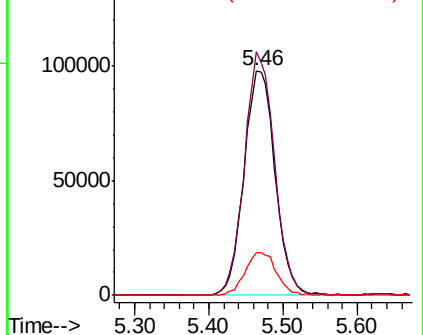
192 19.4 16.6 24.8



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: 4.801 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018471.D

Acq: 17 Sep 2020 17:09

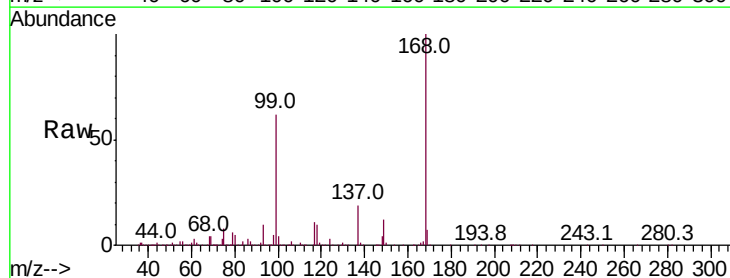
Tgt Ion: 75 Resp: 40547

Ion Ratio Lower Upper

75 100

110 10.5 17.6 52.8#

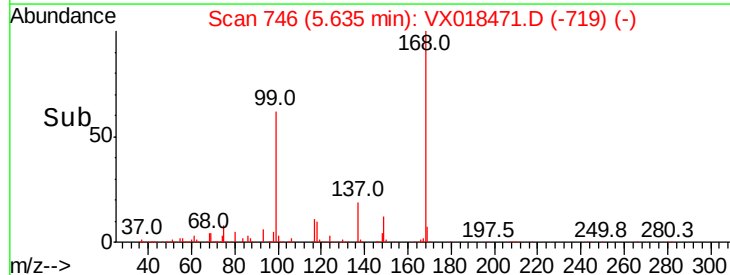
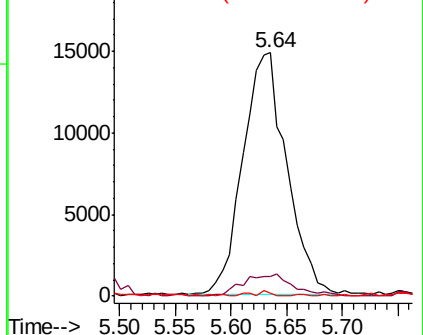
77 0.4 25.0 37.6#

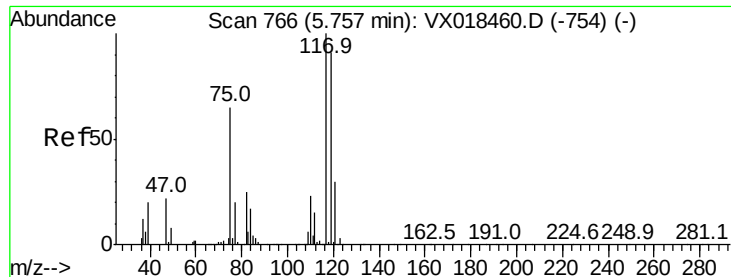


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.964 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018471.D

Acq: 17 Sep 2020 17:09

Instrument :

MSVOA_X

ClientSampled :

MW-4

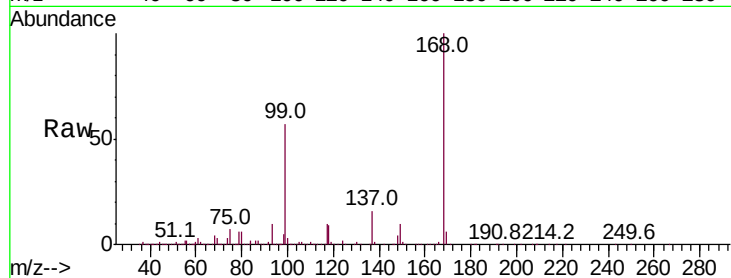
Tot Ion:117 Resp: 55786

Ion Ratio Lower Upper

117 100

119 6.5 72.3 108.5#

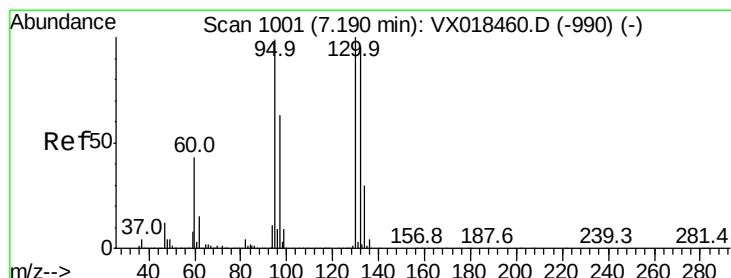
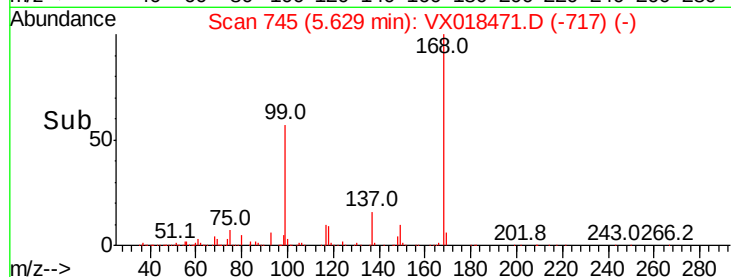
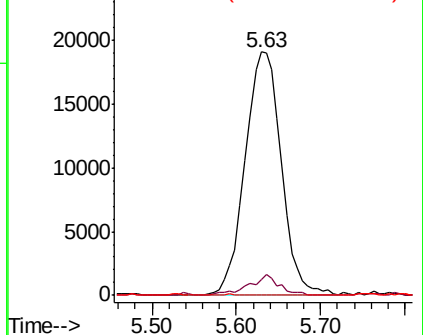
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.340 ug/l

RT: 7.21 min Scan# 1004

Delta R.T. 0.02 min

Lab File: VX018471.D

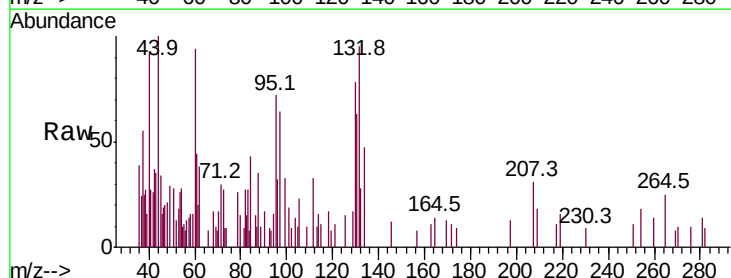
Acq: 17 Sep 2020 17:09

Tgt Ion:130 Resp: 2384

Ion Ratio Lower Upper

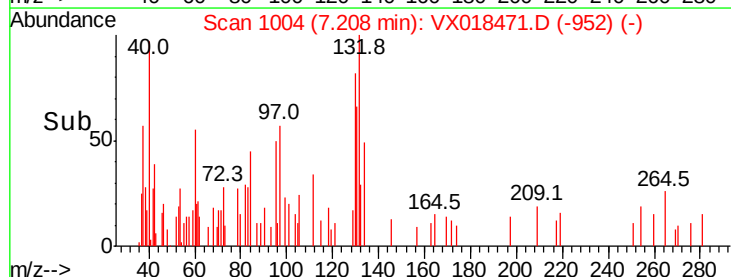
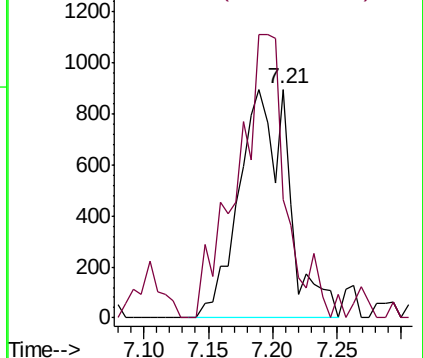
130 100

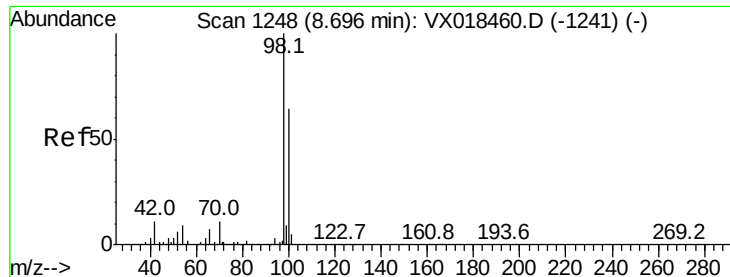
95 51.5 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 48.238 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018471.D

Acq: 17 Sep 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

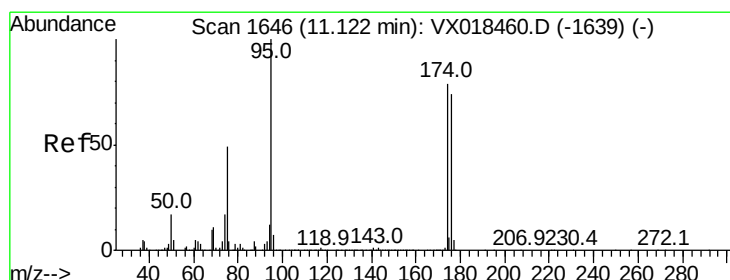
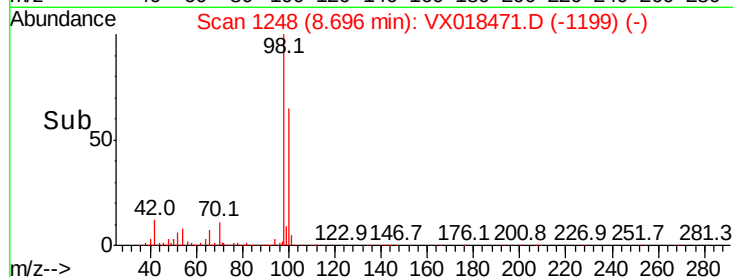
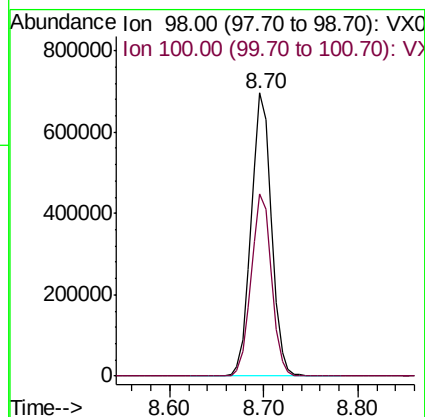
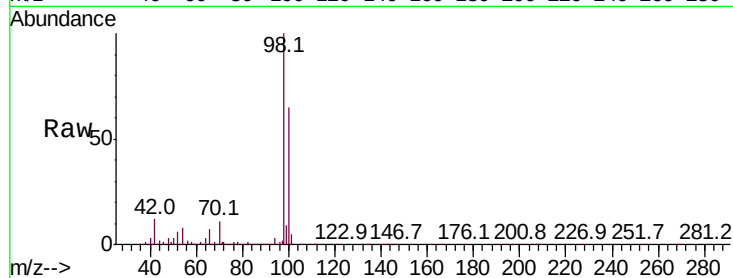
MW-4

Tot Ion: 98 Resp: 1054269

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 45.784 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018471.D

Acq: 17 Sep 2020 17:09

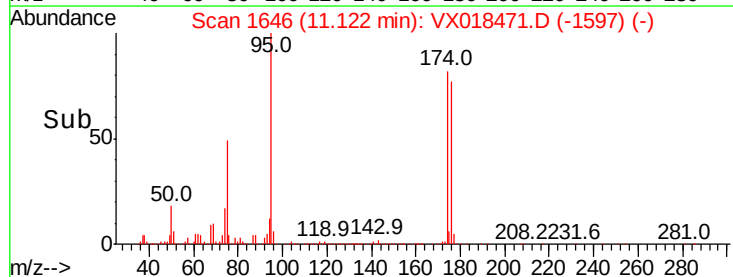
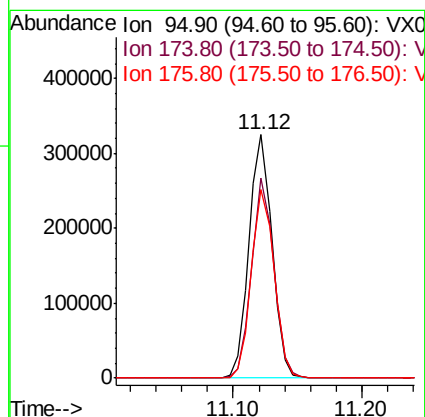
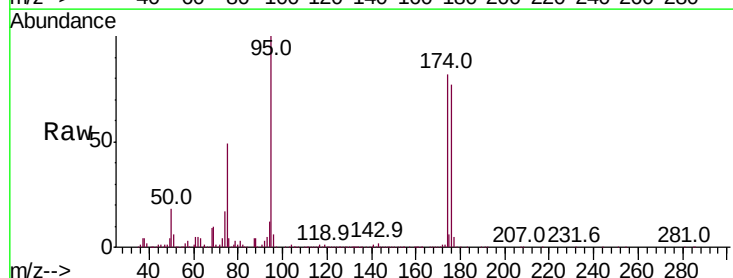
Tgt Ion: 95 Resp: 398022

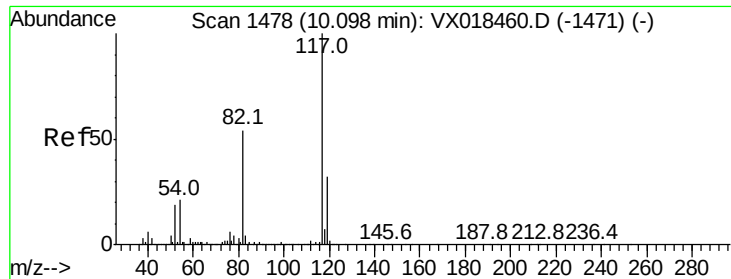
Ion Ratio Lower Upper

95 100

174 79.6 0.0 161.4

176 77.0 0.0 151.4

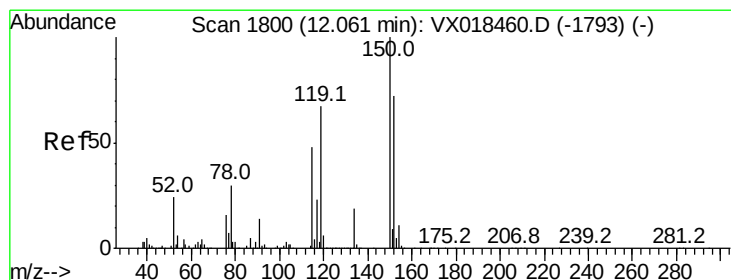
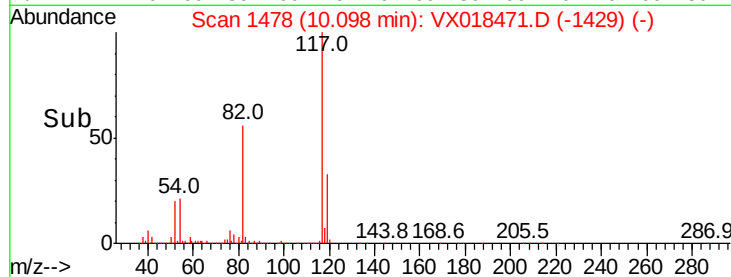
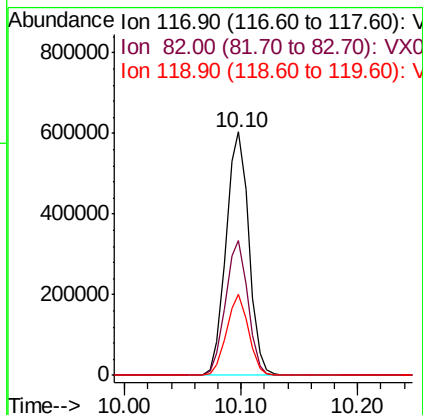
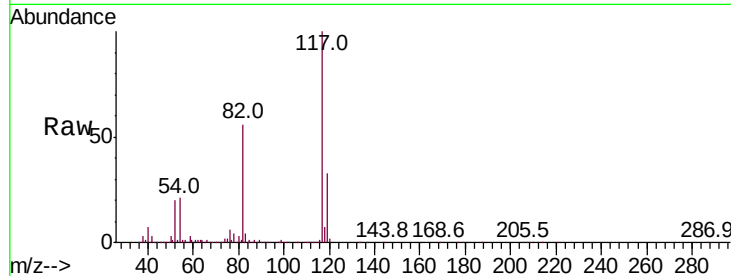




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018471.D
Acq: 17 Sep 2020 17:09

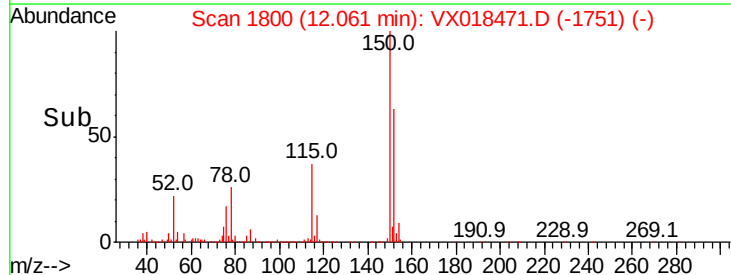
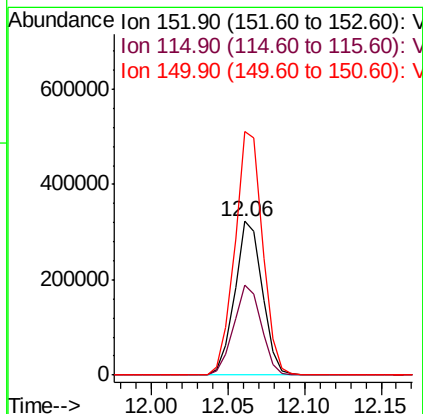
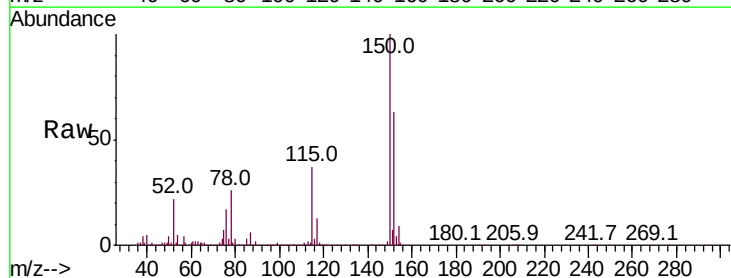
Instrument :
MSVOA_X
ClientSampled :
MW-4

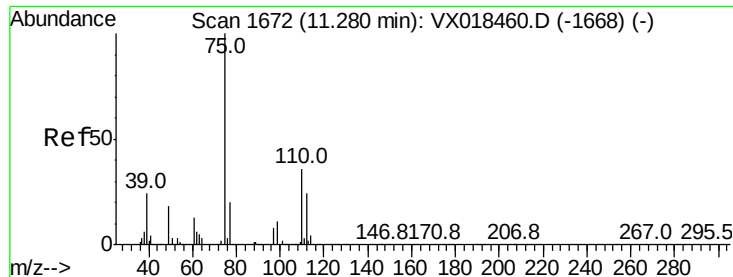
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.3	64.9
119	33.2	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018471.D
Acq: 17 Sep 2020 17:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	41.8	125.4
150	158.8	0.0	342.4





#76

1,2,3-Trichloropropane

Concen: 23.287 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018471.D

Acq: 17 Sep 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

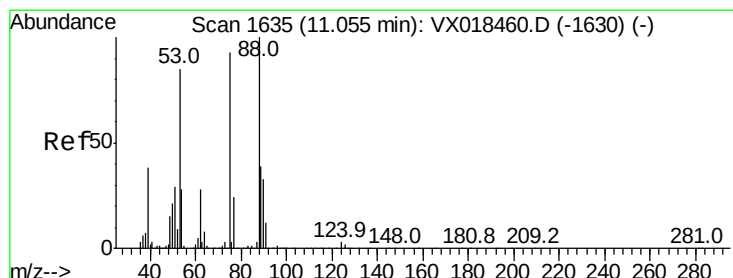
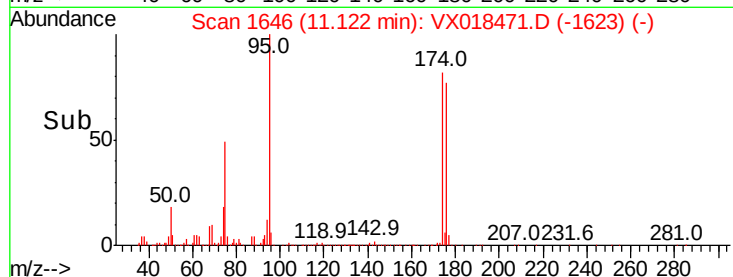
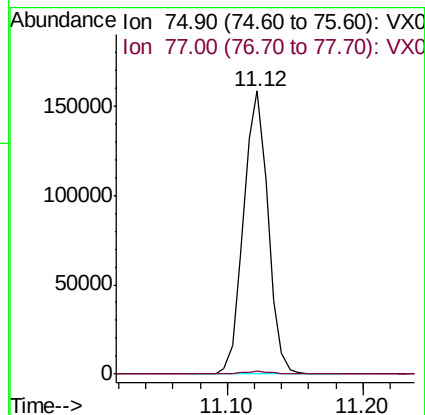
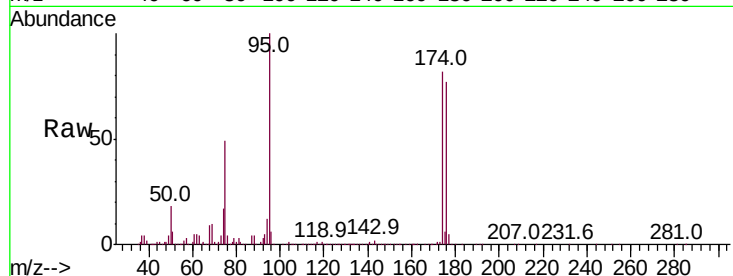
MW-4

Tot Ion: 75 Resp: 197994

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.672 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018471.D

Acq: 17 Sep 2020 17:09

Tgt Ion: 75 Resp: 197994

Ion Ratio Lower Upper

75 100

53 0.6 74.6 111.8#

89 0.1 36.2 54.4#

