

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070620\
 Data File : VX017182.D
 Acq On : 06 Jul 2020 20:35
 Operator : JC/SP
 Sample : L3159-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 38BR-20200629

Quant Time: Jul 07 06:53:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	261309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	434601	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	452194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	249643	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	167184	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
35) Dibromofluoromethane	5.46	113	141646	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
50) Toluene-d8	8.70	98	523092	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	11.12	95	226652	57.03	ug/l	0.00
Spiked Amount			Recovery	=	114.06%	

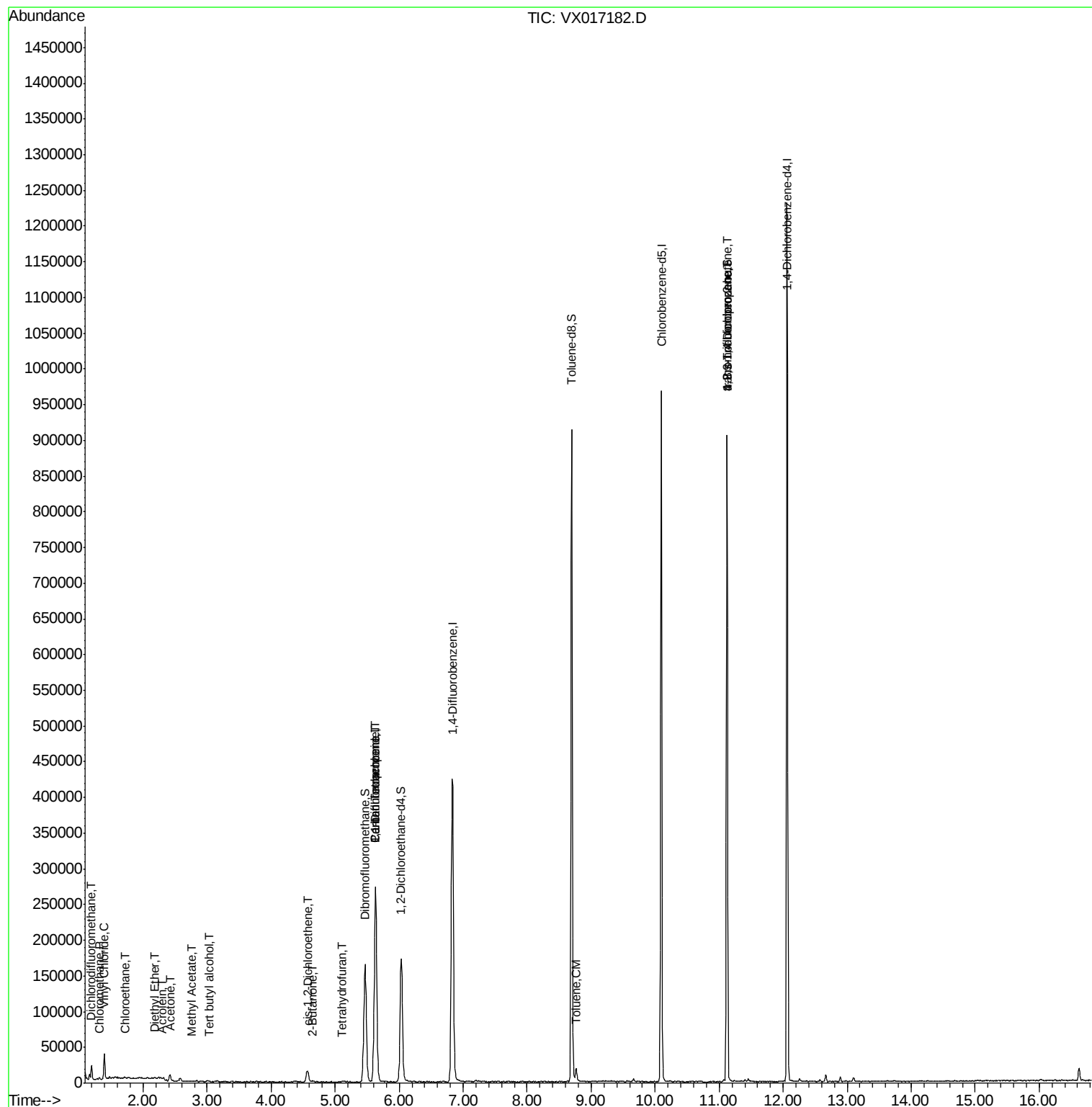
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1674	0.662	ug/l	93
3) Chloromethane	1.31	50	1323	0.432	ug/l	92
4) Vinyl Chloride	1.39	62	20274	7.141	ug/l	98
6) Chloroethane	1.72	64	425	0.253	ug/l #	57
8) Diethyl Ether	2.19	74	109	0.442	ug/l	61
11) Tert butyl alcohol	3.03	59	1445	2.351	ug/l #	85
13) Acrolein	2.29	56	191	0.520	ug/l #	1
16) Acetone	2.42	43	9654	8.011	ug/l	94
18) Methyl Acetate	2.76	43	698	0.222	ug/l #	51
20) Methylene Chloride	2.84	84	677	Below Cal	#	83
25) 2-Butanone	4.65	43	1931	0.962	ug/l #	84
27) cis-1,2-Dichloroethene	4.57	96	9354	2.877	ug/l	96
29) Tetrahydrofuran	5.11	42	1084	0.817	ug/l #	66
36) 1,1-Dichloropropene	5.62	75	18903	4.602	ug/l #	51
38) Carbon Tetrachloride	5.63	117	25906	5.726	ug/l #	18
44) Trichloroethene	7.18	130	501	Below Cal		95
52) Toluene	8.76	92	6168	0.819	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	113256	23.071	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	113256	59.745	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	278	Below Cal		68

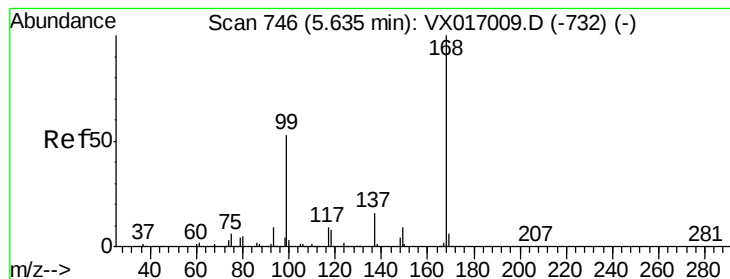
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017182.D

Acq: 06 Jul 2020 20:35

Instrument :

MSVOA_X

ClientSampleId :

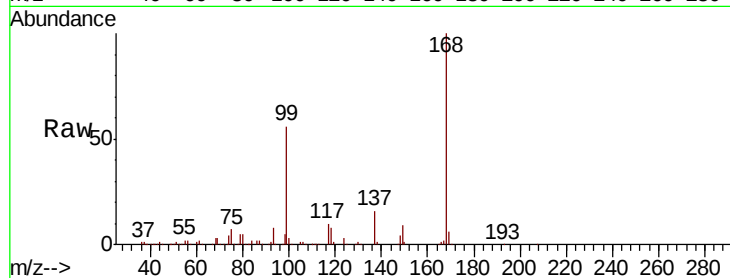
38BR-20200629

Tot Ion:168 Resp: 261309

Ion Ratio Lower Upper

168 100

99 55.5 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

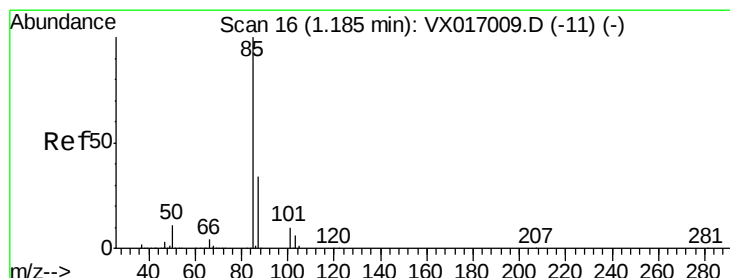
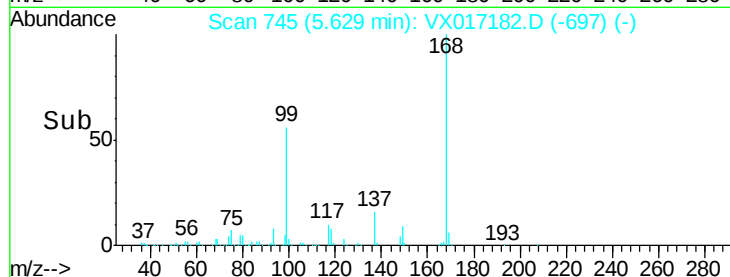
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.662 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017182.D

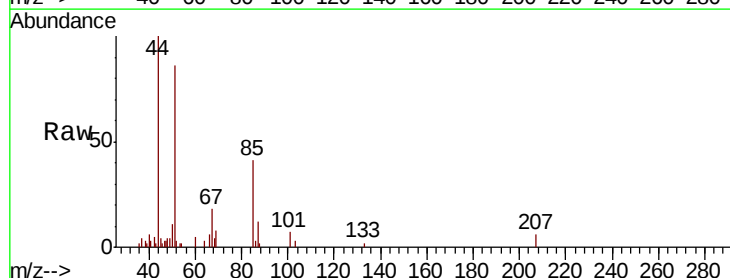
Acq: 06 Jul 2020 20:35

Tgt Ion: 85 Resp: 1674

Ion Ratio Lower Upper

85 100

87 29.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

1500

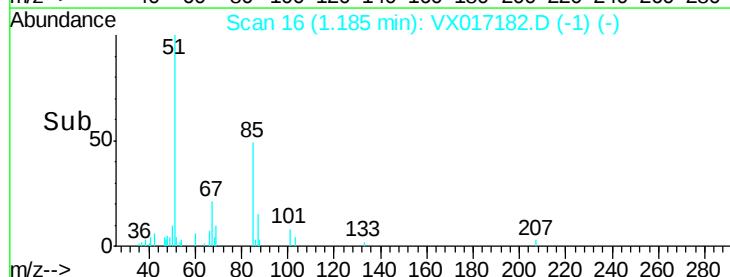
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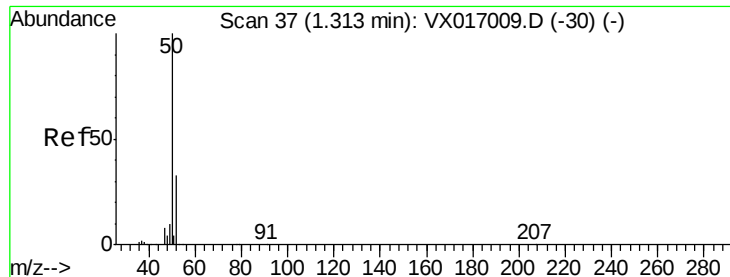
500

0

Time-->

1.15 1.20 1.25

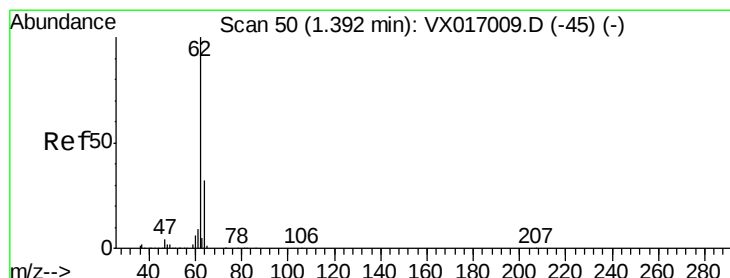
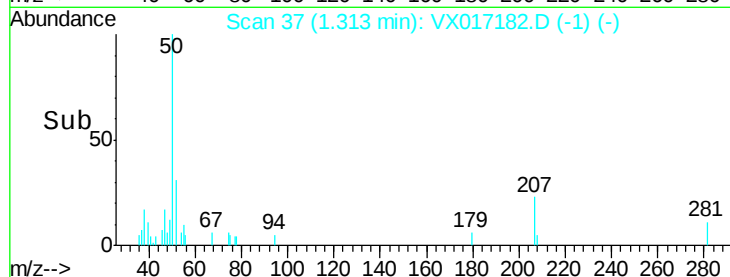
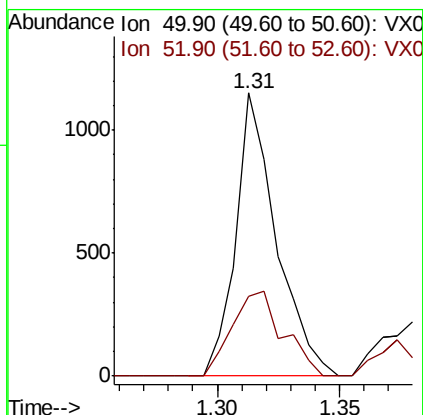
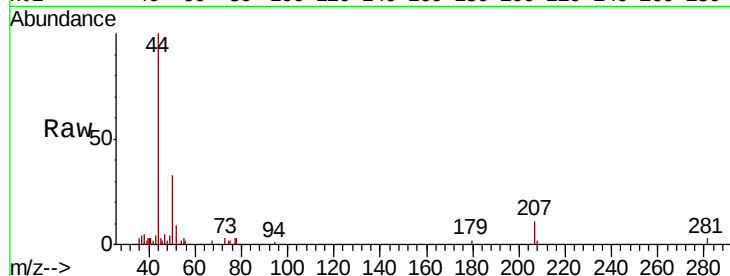




#3
Chloromethane
Concen: 0.432 ug/l
RT: 1.31 min Scan# 37
Delta R.T. -0.00 min
Lab File: VX017182.D
Acq: 06 Jul 2020 20:35

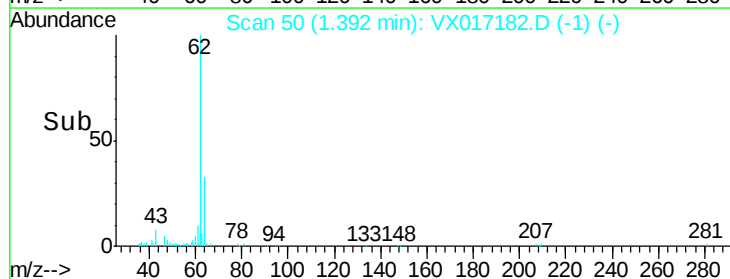
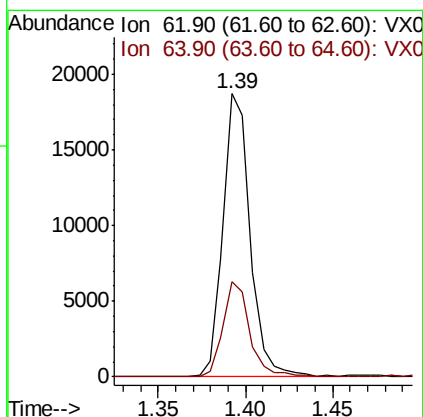
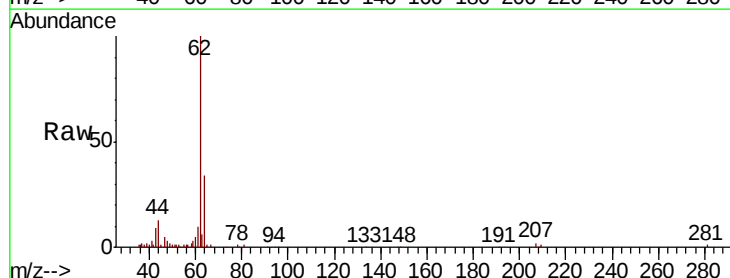
Instrument :
MSVOA_X
ClientSampleId :
38BR-20200629

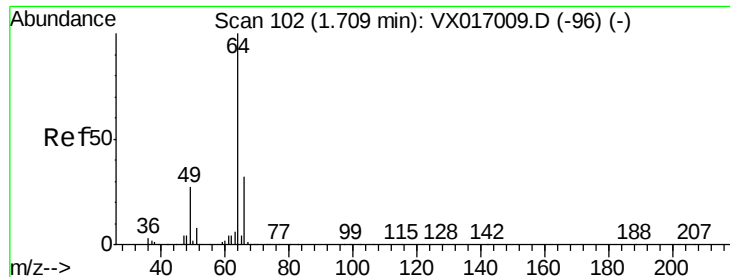
Tot Ion: 50 Resp: 1323
Ion Ratio Lower Upper
50 100
52 28.3 26.1 39.1



#4
Vinyl Chloride
Concen: 7.141 ug/l
RT: 1.39 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX017182.D
Acq: 06 Jul 2020 20:35

Tgt Ion: 62 Resp: 20274
Ion Ratio Lower Upper
62 100
64 33.6 25.9 38.9





#6

Chloroethane

Concen: 0.253 ug/l

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX017182.D

Acq: 06 Jul 2020 20:35

Instrument :

MSVOA_X

ClientSampleId :

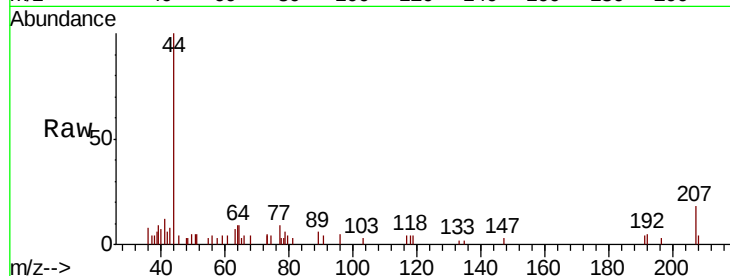
38BR-20200629

Tot Ion: 64 Resp: 425

Ion Ratio Lower Upper

64 100

66 7.8 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

400

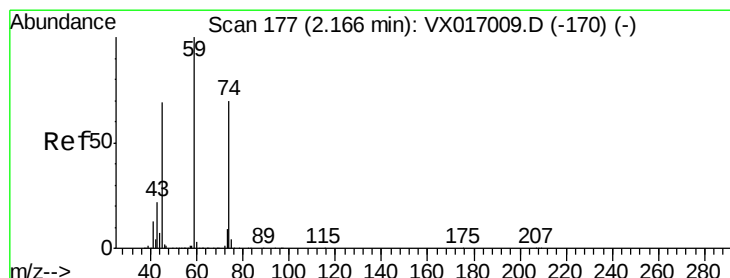
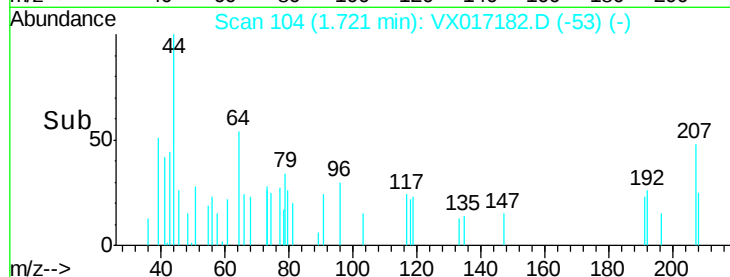
300

200

100

0

Time-->



#8

Diethyl Ether

Concen: 0.442 ug/l

RT: 2.19 min Scan# 181

Delta R.T. 0.02 min

Lab File: VX017182.D

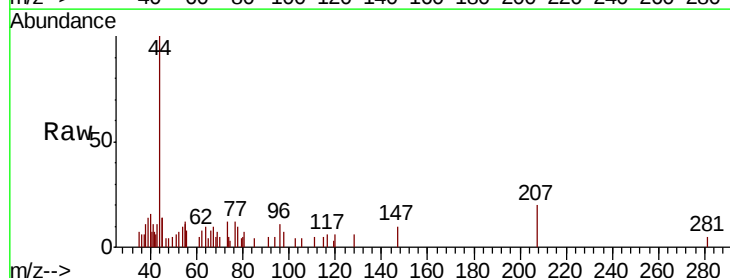
Acq: 06 Jul 2020 20:35

Tgt Ion: 74 Resp: 109

Ion Ratio Lower Upper

74 100

45 138.5 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

500

400

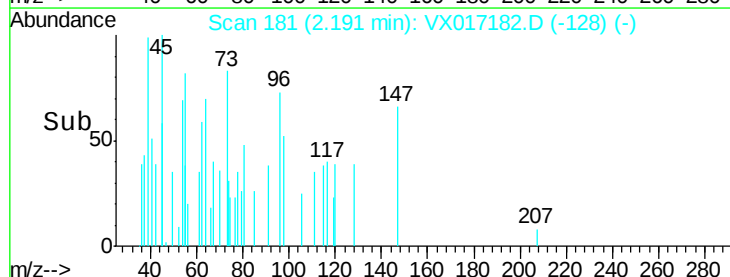
300

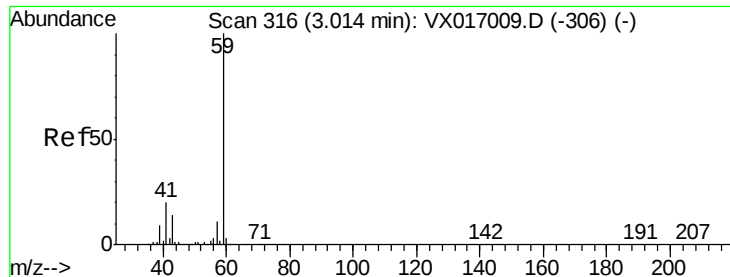
200

100

0

Time-->



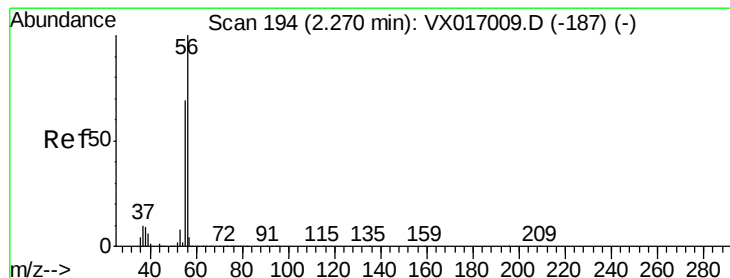
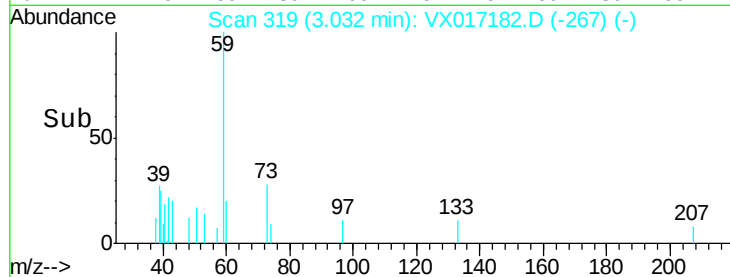
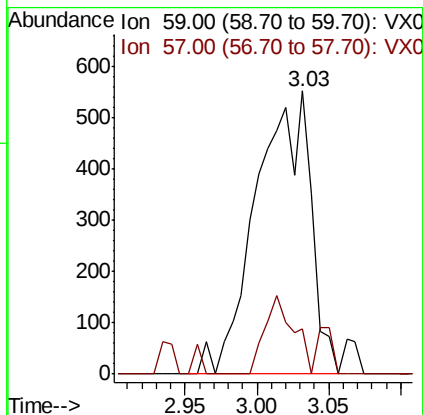
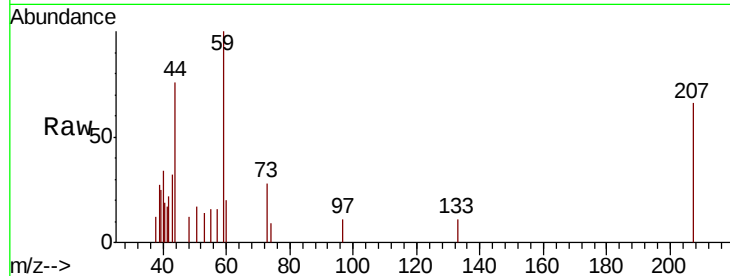


#11

Tert butyl alcohol
 Concen: 2.351 ug/l
 RT: 3.03 min Scan# 319
 Delta R.T. 0.02 min
 Lab File: VX017182.D
 Acq: 06 Jul 2020 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 38BR-20200629

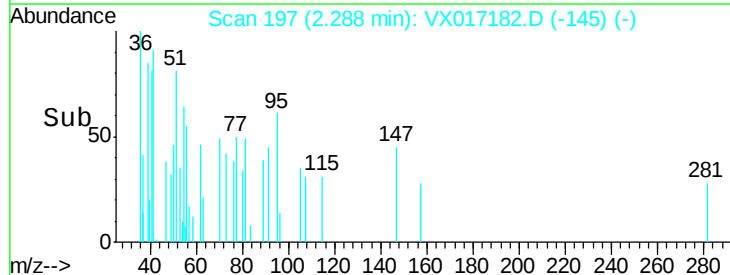
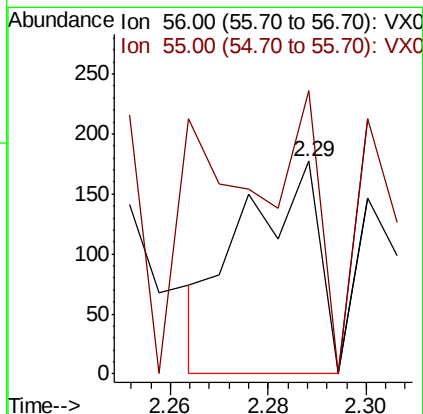
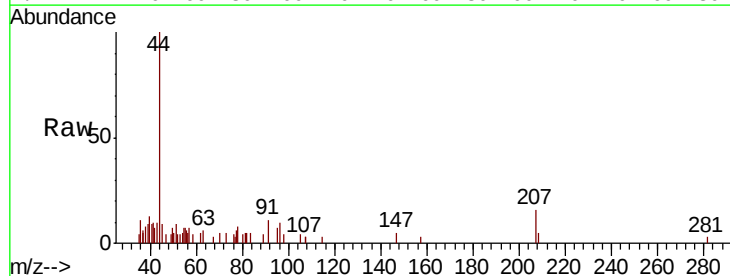
Tot Ion: 59 Resp: 1445
 Ion Ratio Lower Upper
 59 100
 57 4.6 8.2 12.2#

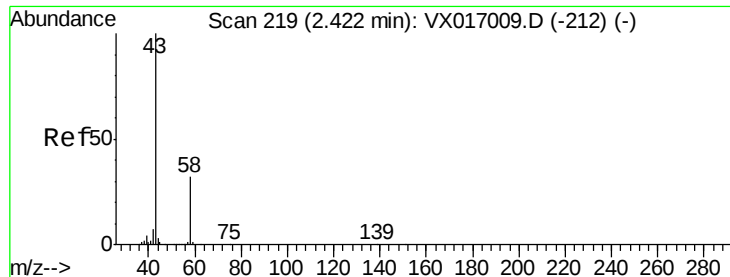


#13

Acrolein
 Concen: 0.520 ug/l
 RT: 2.29 min Scan# 197
 Delta R.T. 0.02 min
 Lab File: VX017182.D
 Acq: 06 Jul 2020 20:35

Tgt Ion: 56 Resp: 191
 Ion Ratio Lower Upper
 56 100
 55 172.3 55.7 83.5#





#16

Acetone

Concen: 8.011 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017182.D

Acq: 06 Jul 2020 20:35

Instrument :

MSVOA_X

ClientSampleId :

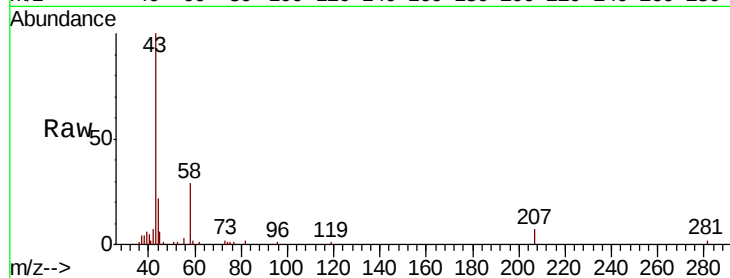
38BR-20200629

Tot Ion: 43 Resp: 9654

Ion Ratio Lower Upper

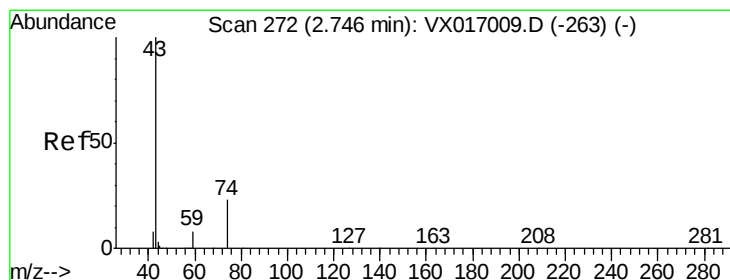
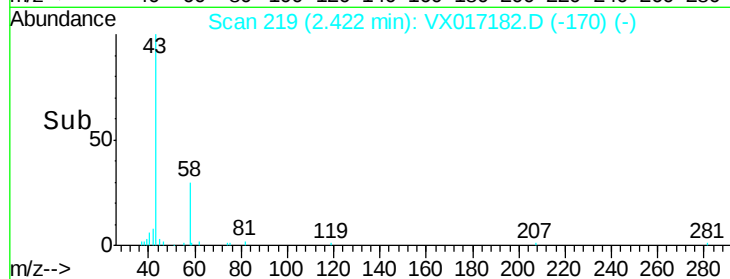
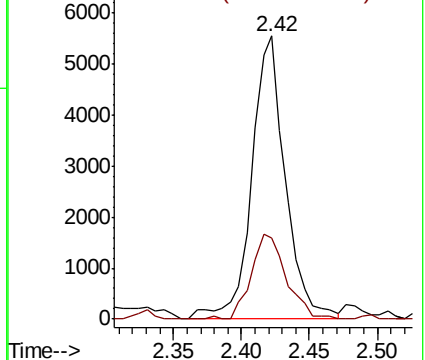
43 100

58 28.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.222 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017182.D

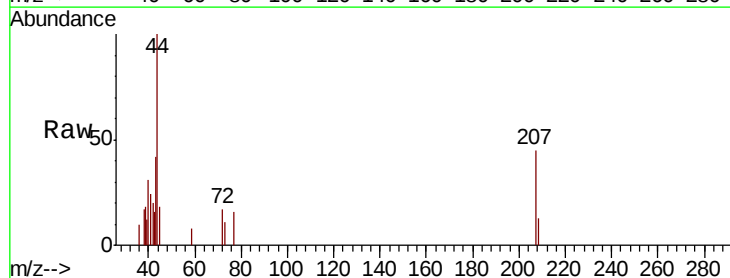
Acq: 06 Jul 2020 20:35

Tgt Ion: 43 Resp: 698

Ion Ratio Lower Upper

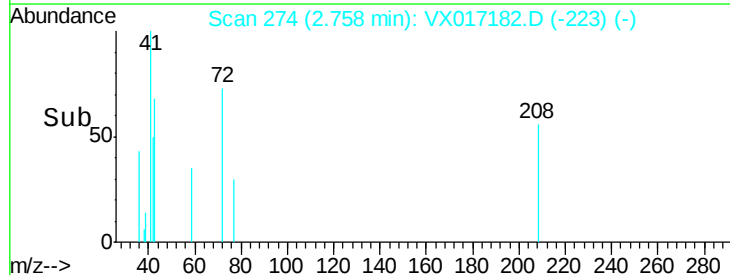
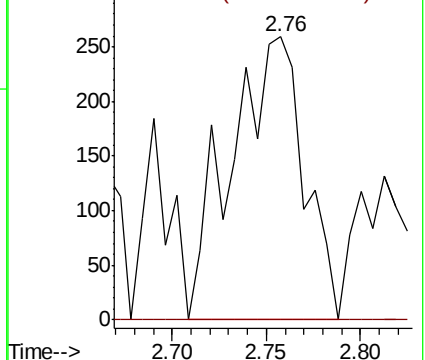
43 100

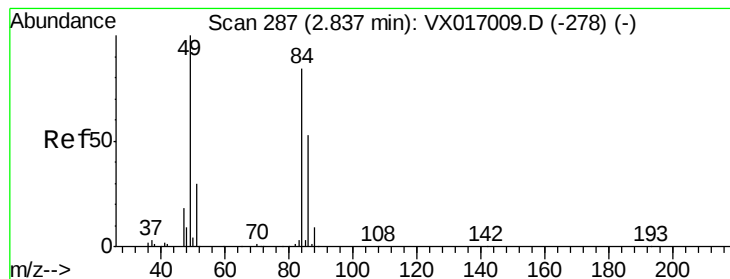
74 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX017182.D

Acq: 06 Jul 2020 20:35

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion: 84 Resp: 677

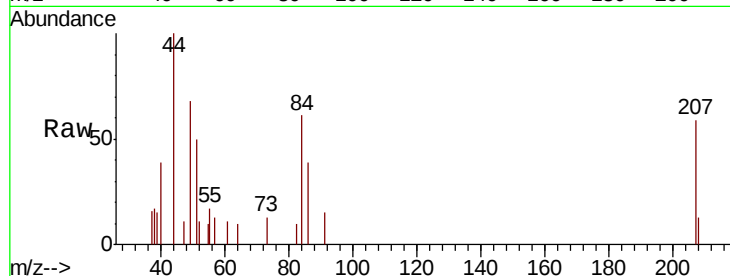
Ion Ratio Lower Upper

84 100

49 110.6 94.7 142.1

51 82.1 28.6 42.8#

86 63.2 50.5 75.7

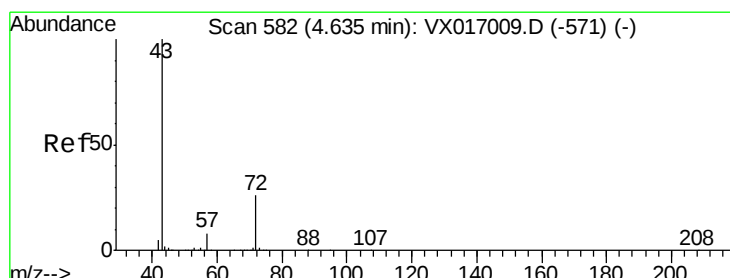
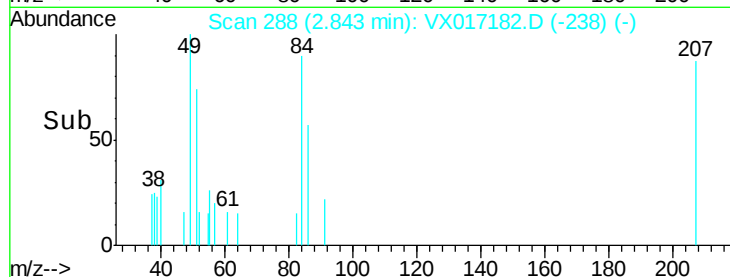
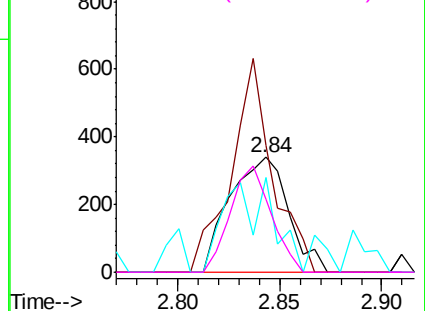


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.962 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX017182.D

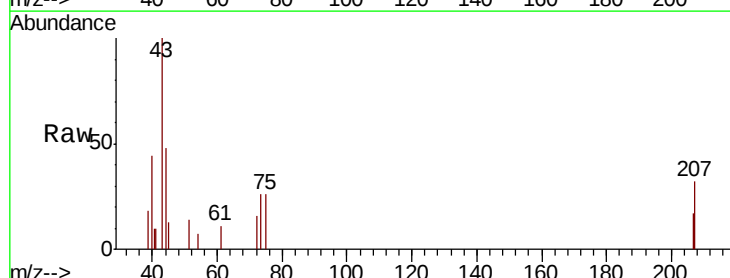
Acq: 06 Jul 2020 20:35

Tgt Ion: 43 Resp: 1931

Ion Ratio Lower Upper

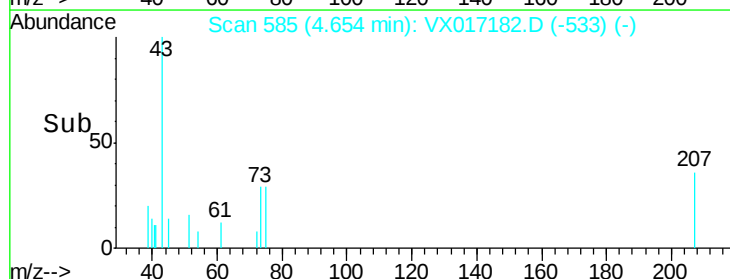
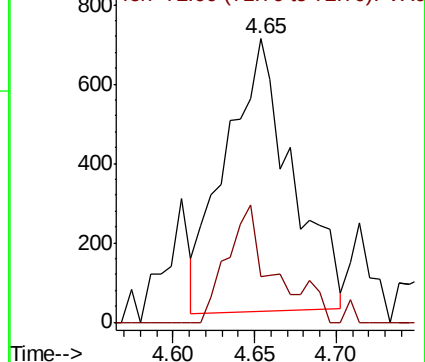
43 100

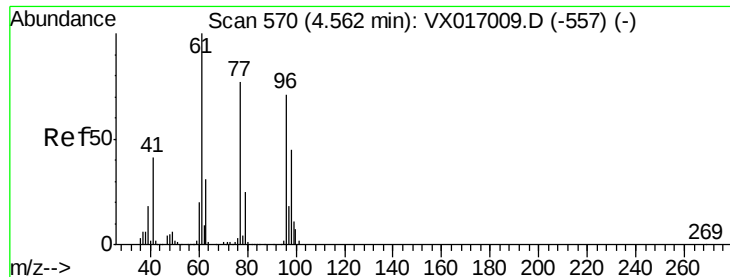
72 17.9 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



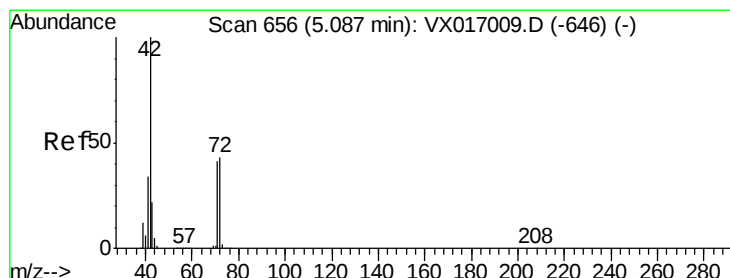
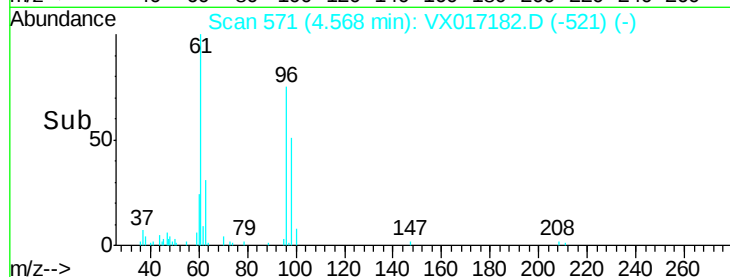
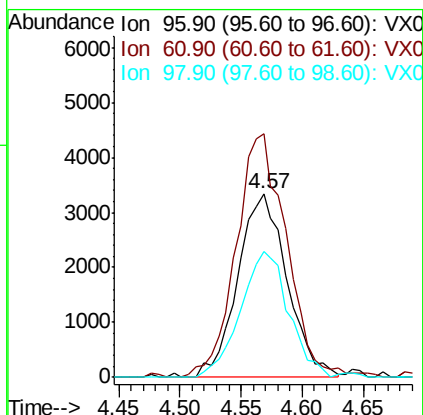
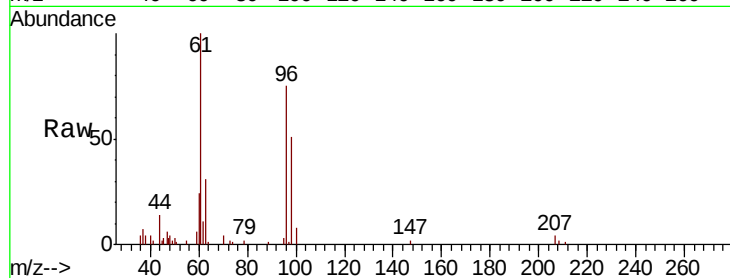


#27

cis-1,2-Dichloroethene
 Concen: 2.877 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX017182.D
 Acq: 06 Jul 2020 20:35

Instrument :
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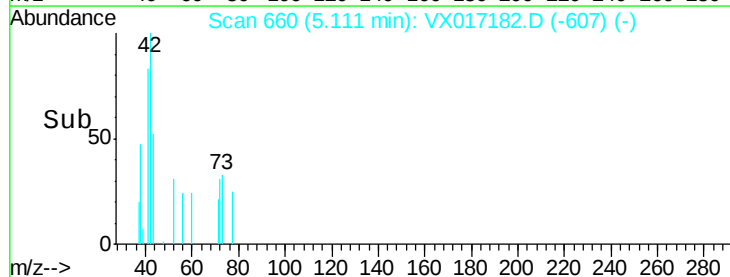
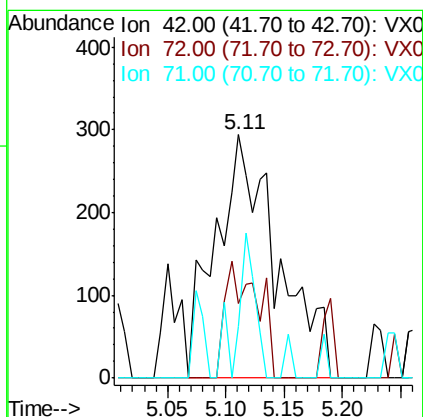
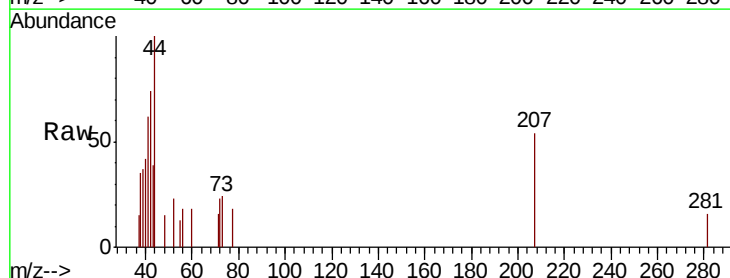
Tot Ion	96	Resp	9354
Ion	Ratio	Lower	Upper
96	100		
61	135.8	0.0	282.8
98	67.0	0.0	127.6

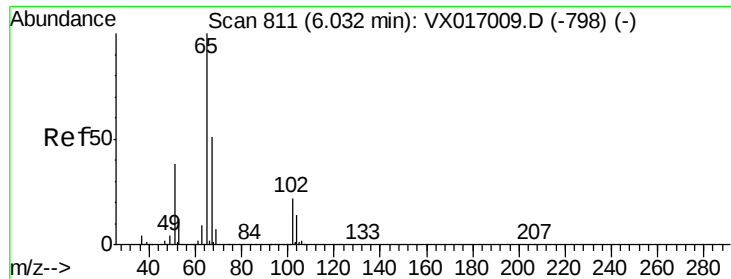


#29

Tetrahydrofuran
 Concen: 0.817 ug/l
 RT: 5.11 min Scan# 660
 Delta R.T. 0.02 min
 Lab File: VX017182.D
 Acq: 06 Jul 2020 20:35

Tgt Ion	42	Resp	1084
Ion	Ratio	Lower	Upper
42	100		
72	25.0	35.3	52.9#
71	17.1	33.1	49.7#

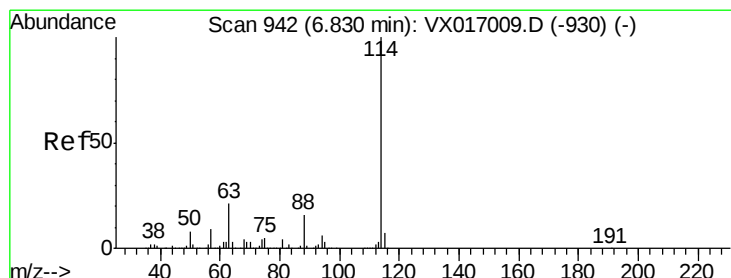
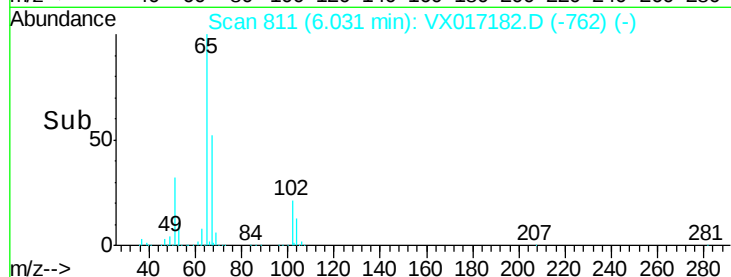
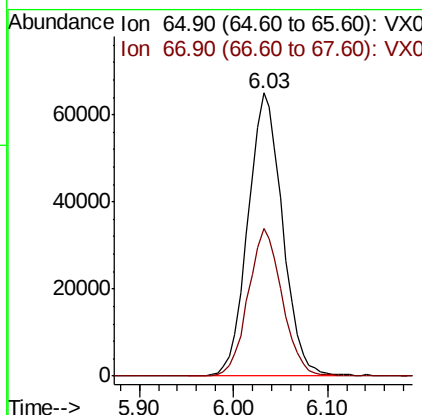
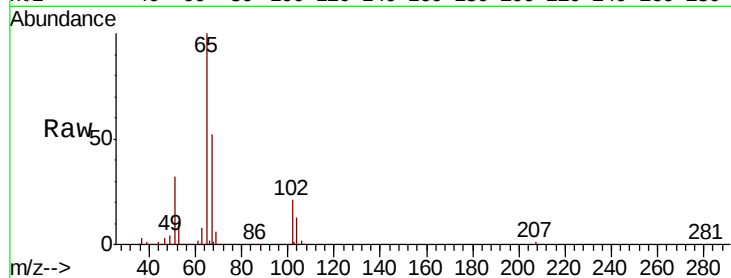




#33
 1,2-Dichloroethane-d4
 Concen: 51.898 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017182.D
 Acq: 06 Jul 2020 20:35

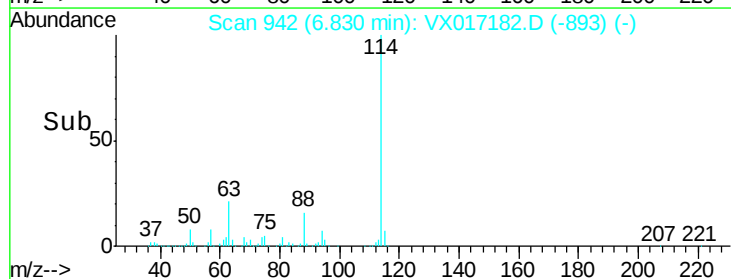
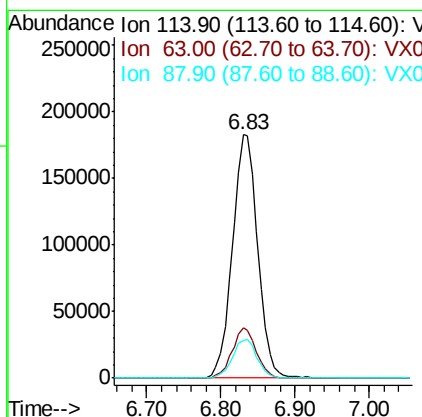
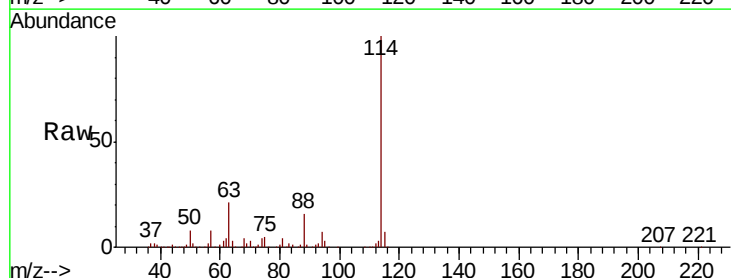
Instrument :
 MSVOA_X
 ClientSampleId :
 38BR-20200629

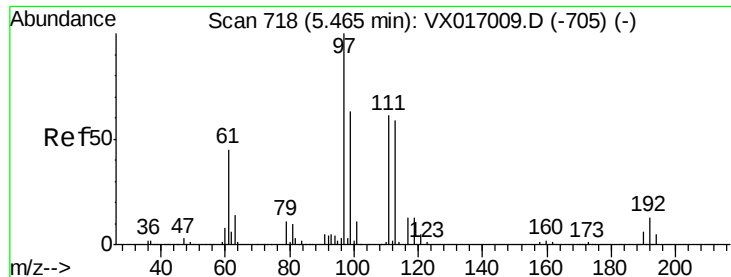
Tot Ion: 65 Resp: 167184
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017182.D
 Acq: 06 Jul 2020 20:35

Tgt Ion: 114 Resp: 434601
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.4
 88 15.6 0.0 32.4

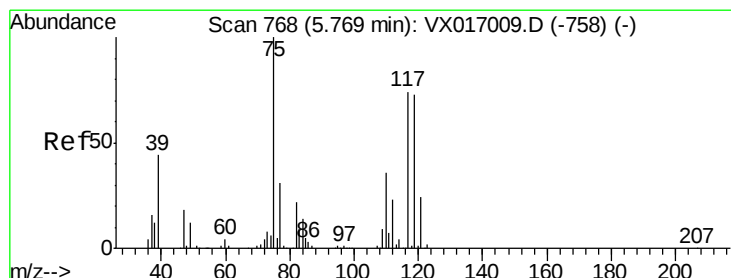
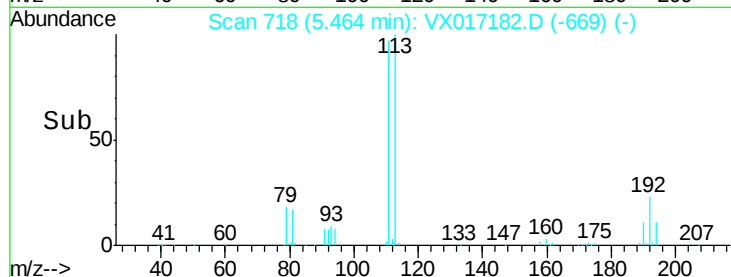
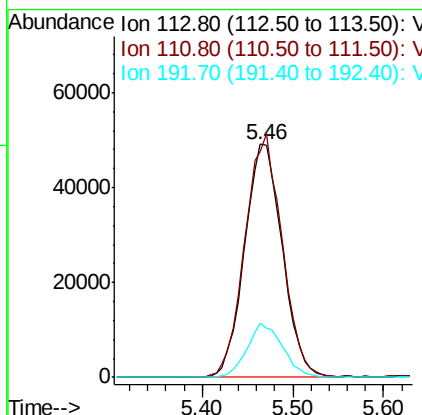
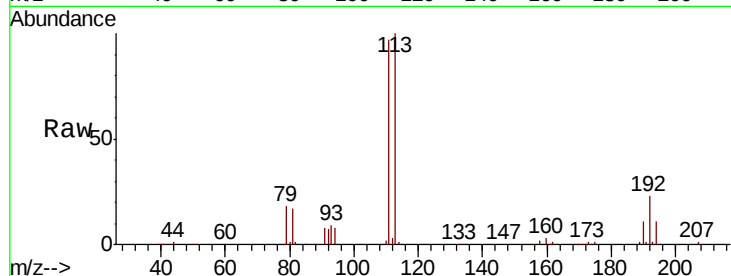




#35
 Dibromofluoromethane
 Concen: 51.523 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX017182.D
 Acq: 06 Jul 2020 20:35

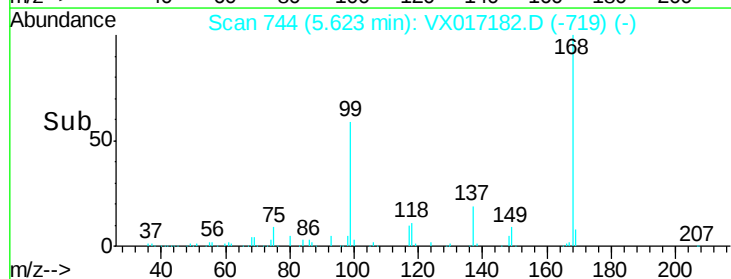
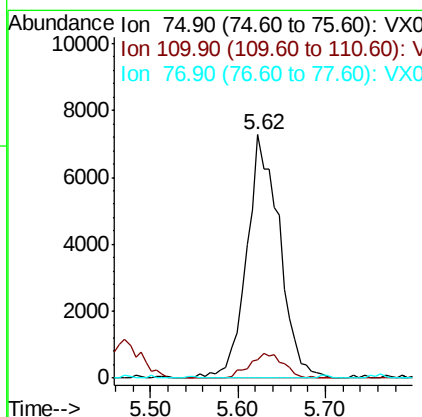
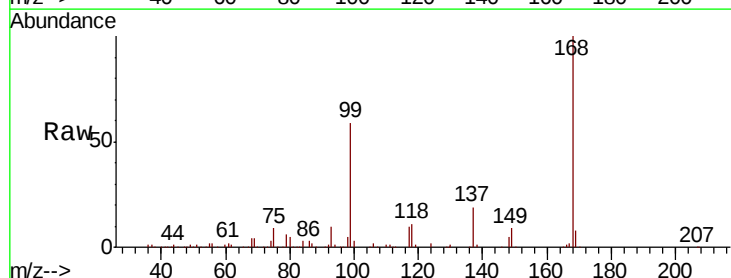
Instrument :
 MSVOA_X
 ClientSampleId :
 38BR-20200629

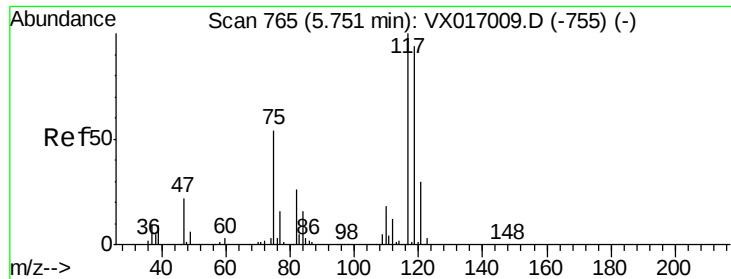
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	22.0	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.602 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX017182.D
 Acq: 06 Jul 2020 20:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.1	54.1#
77	0.0	24.6	37.0#

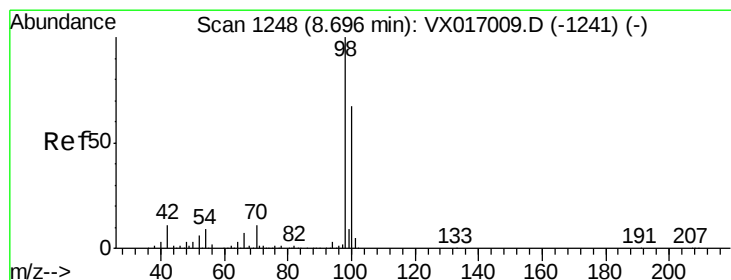
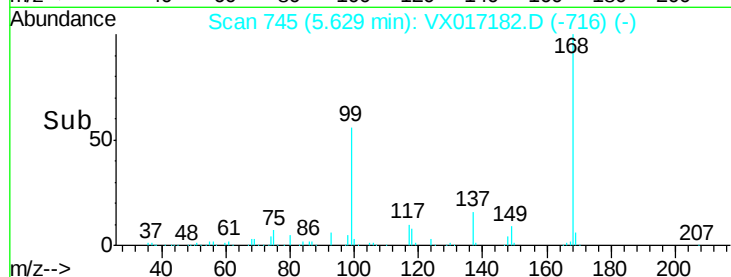
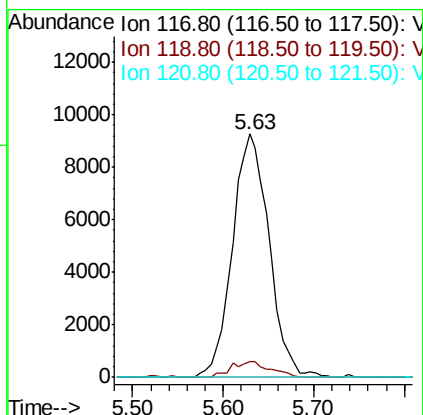
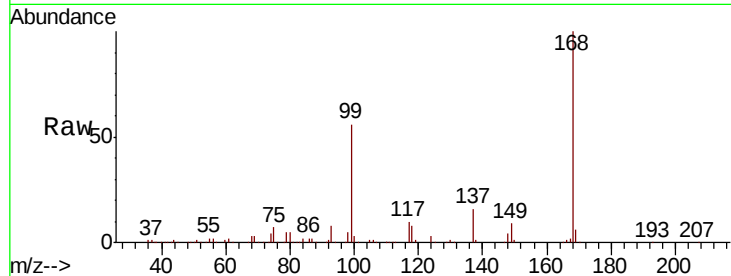




#38
Carbon Tetrachloride
Concen: 5.726 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX017182.D
Acq: 06 Jul 2020 20:35

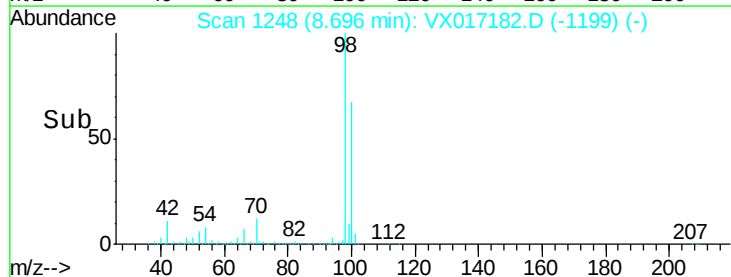
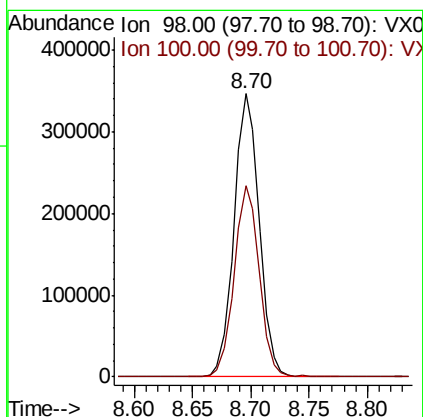
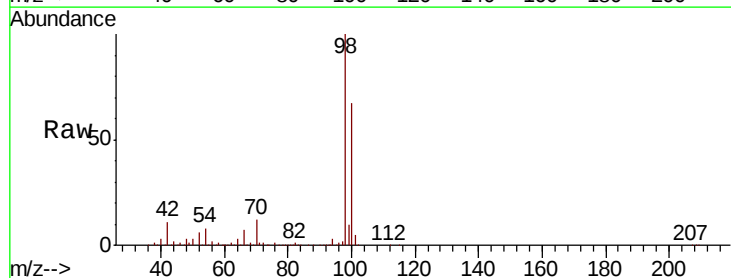
Instrument :
MSVOA_X
ClientSampleId :
38BR-20200629

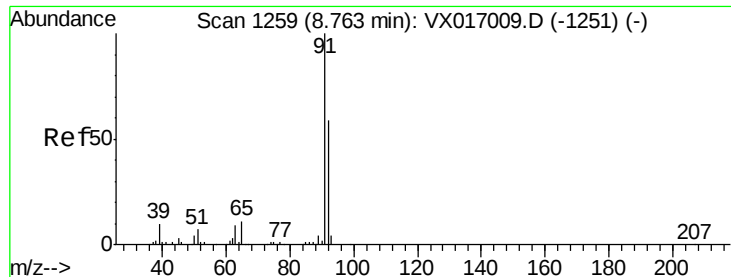
Tot Ion:117 Resp: 25906
Ion Ratio Lower Upper
117 100
119 6.4 75.4 113.0#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 51.456 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017182.D
Acq: 06 Jul 2020 20:35

Tgt Ion: 98 Resp: 523092
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.6





#52

Toluene

Concen: 0.819 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017182.D

Acq: 06 Jul 2020 20:35

Instrument :

MSVOA_X

ClientSampleId :

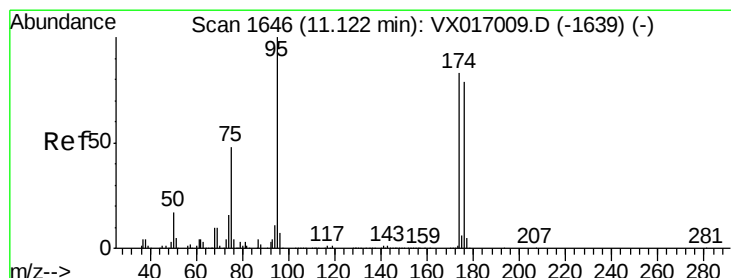
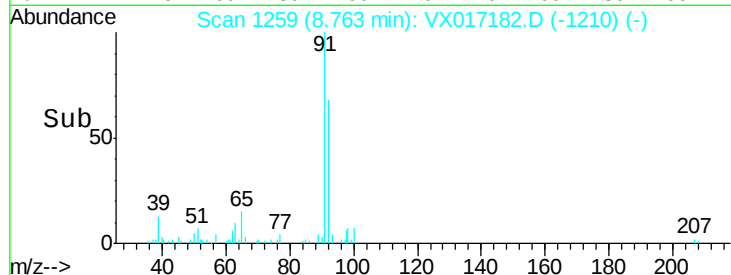
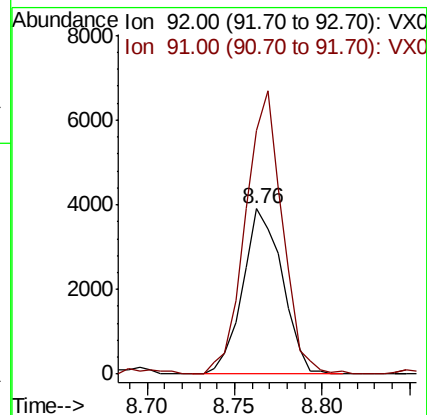
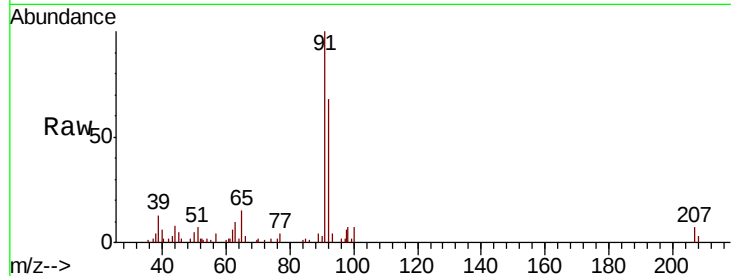
38BR-20200629

Tot Ion: 92 Resp: 6168

Ion Ratio Lower Upper

92 100

91 158.9 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 57.035 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017182.D

Acq: 06 Jul 2020 20:35

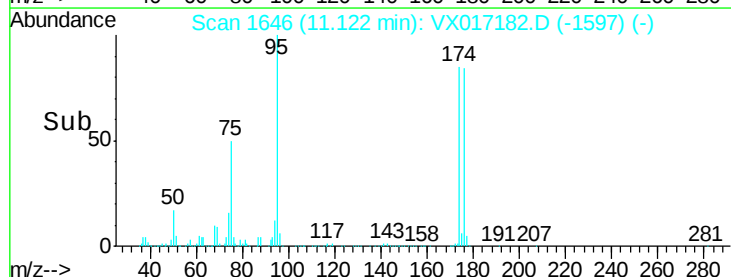
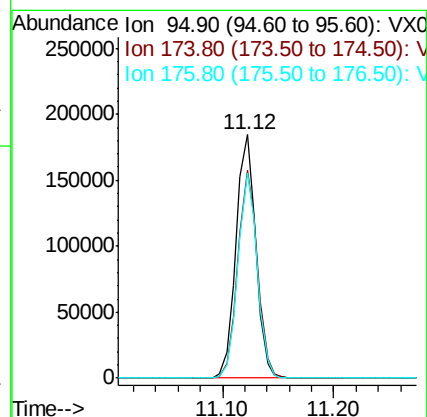
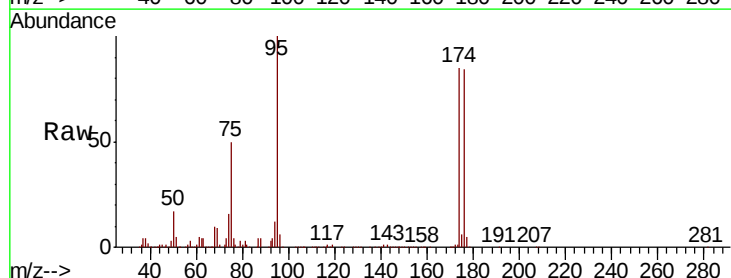
Tgt Ion: 95 Resp: 226652

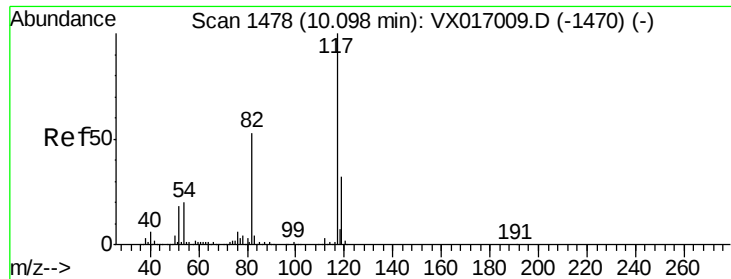
Ion Ratio Lower Upper

95 100

174 85.1 0.0 164.0

176 82.2 0.0 157.6

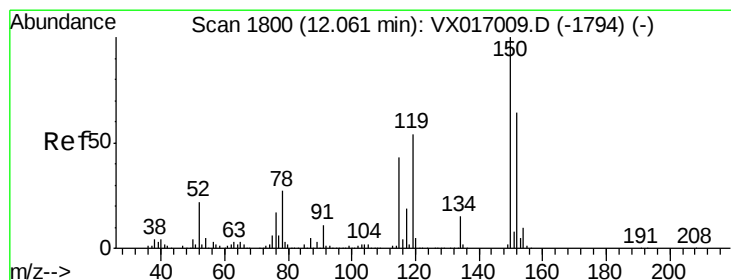
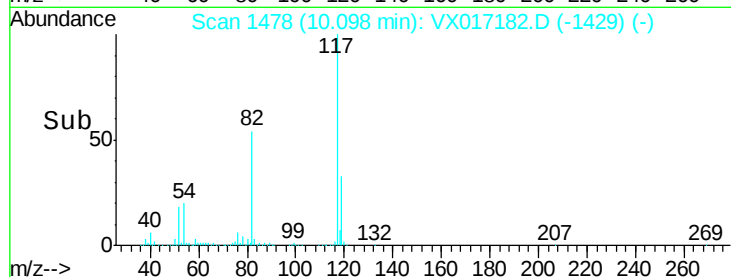
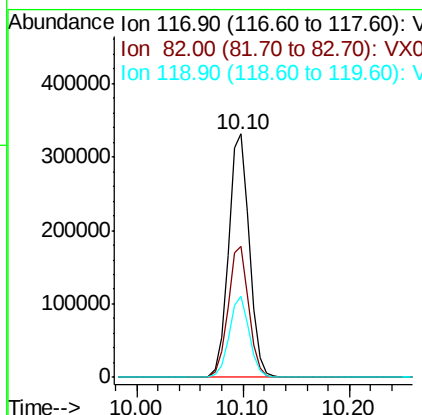
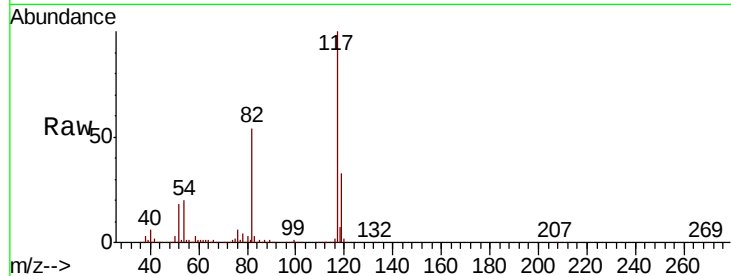




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017182.D
Acq: 06 Jul 2020 20:35

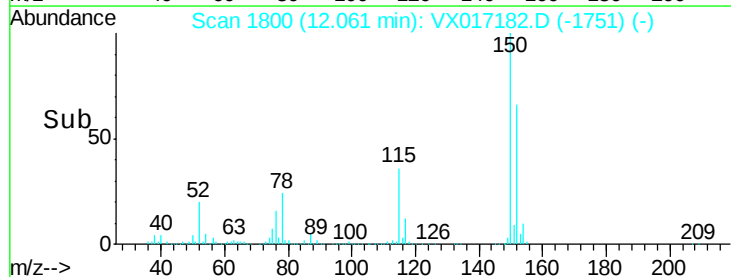
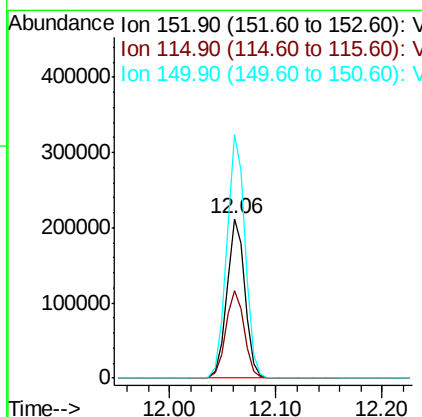
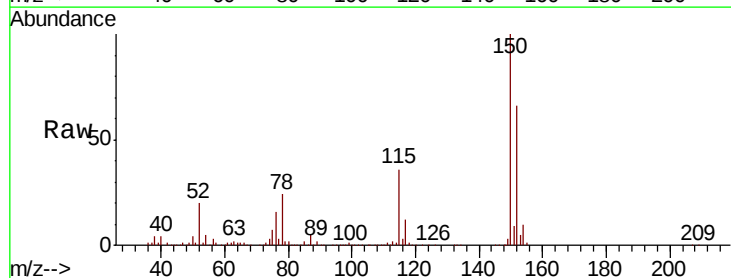
Instrument :
MSVOA_X
ClientSampleId :
38BR-20200629

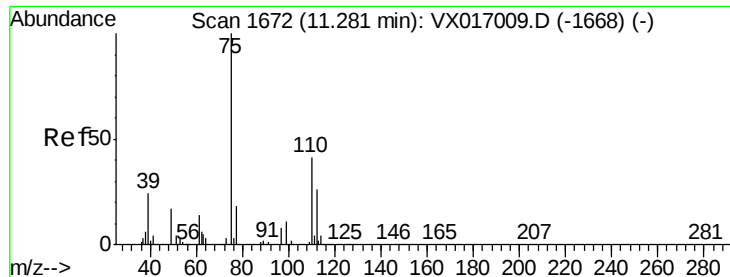
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.6	63.8
119	33.1	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017182.D
Acq: 06 Jul 2020 20:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	40.9	122.7
150	155.9	0.0	351.6





#76

1,2,3-Trichloropropane

Concen: 23.071 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017182.D

Acq: 06 Jul 2020 20:35

Instrument :

MSVOA_X

ClientSampleId :

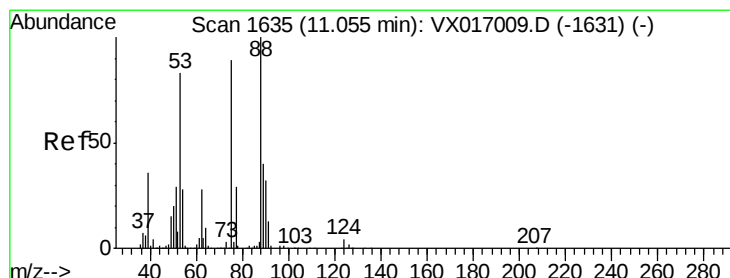
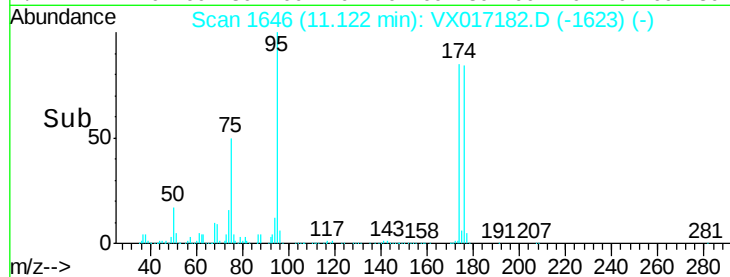
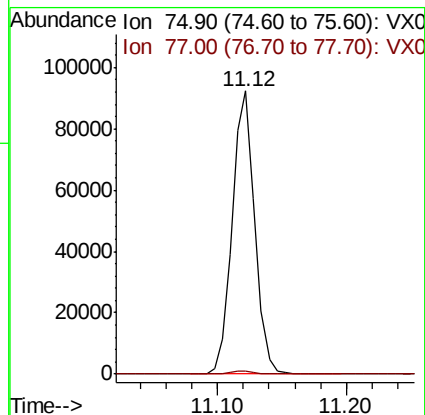
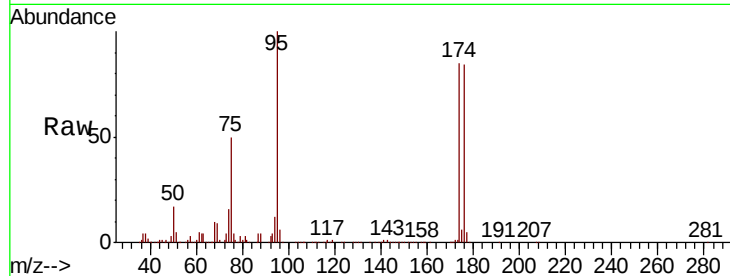
38BR-20200629

Tot Ion: 75 Resp: 113256

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.745 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017182.D

Acq: 06 Jul 2020 20:35

Tgt Ion: 75 Resp: 113256

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#

