

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090320\
 Data File : VX018238.D
 Acq On : 03 Sep 2020 16:30
 Operator : JC/SP
 Sample : L3903-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ122I-20200902

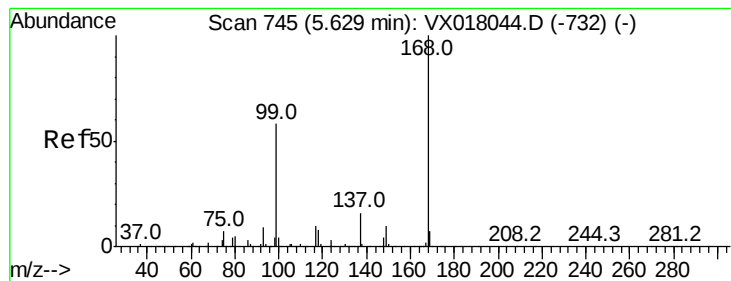
Quant Time: Sep 04 01:21:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	425658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	703569	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	660629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	328612	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	324284	54.88	ug/l	0.00
Spiked Amount			Recovery	=	109.76%	
35) Dibromofluoromethane	5.47	113	250979	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
50) Toluene-d8	8.70	98	863626	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
62) 4-Bromofluorobenzene	11.12	95	319376	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	696	0.265	ug/l #	5
10) Methyl Iodide	2.51	142	124	5.312	ug/l #	38
13) Acrolein	2.29	56	283	0.594	ug/l #	70
16) Acetone	2.42	43	4706	2.044	ug/l	96
20) Methylene Chloride	2.84	84	1071	Below Cal	#	65
25) 2-Butanone	4.64	43	1579	0.417	ug/l #	83
29) Tetrahydrofuran	5.12	42	506	0.210	ug/l #	42
36) 1,1-Dichloropropene	5.63	75	35402	5.455	ug/l #	50
38) Carbon Tetrachloride	5.63	117	45611	6.237	ug/l #	17
49) 1,4-Dioxane	7.69	88	24	0.219	ug/l #	23
76) 1,2,3-Trichloropropane	11.12	75	168716	23.080	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	168716	62.335	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018238.D

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ClientSampleId :

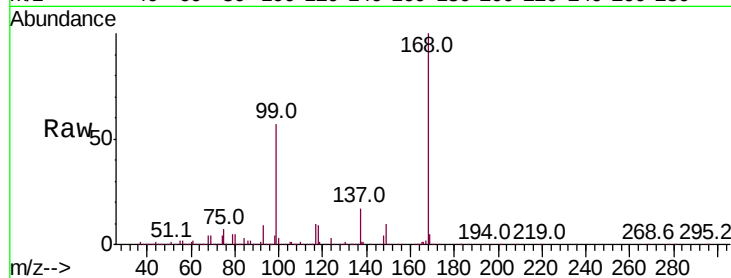
SA-PZ122I-20200902

Tot Ion:168 Resp: 425658

Ion Ratio Lower Upper

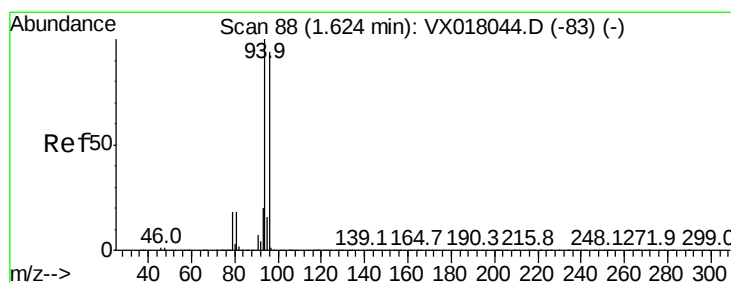
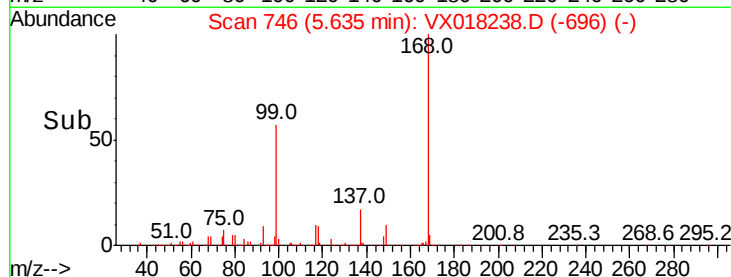
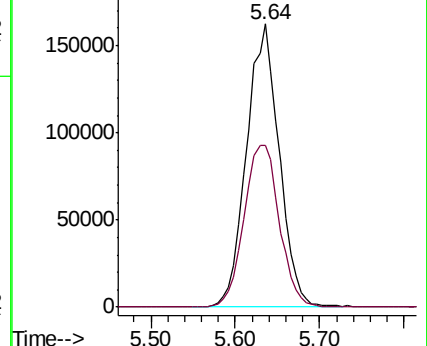
168 100

99 57.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.265 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018238.D

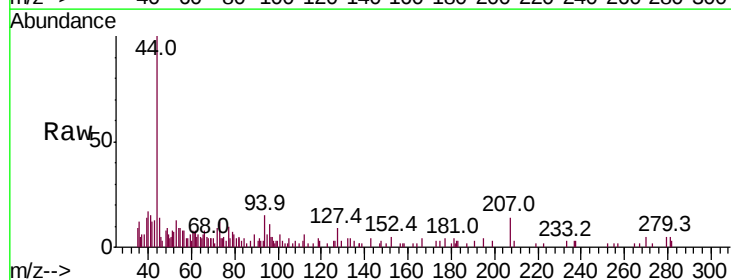
Acq: 03 Sep 2020 16:30

Tgt Ion: 94 Resp: 696

Ion Ratio Lower Upper

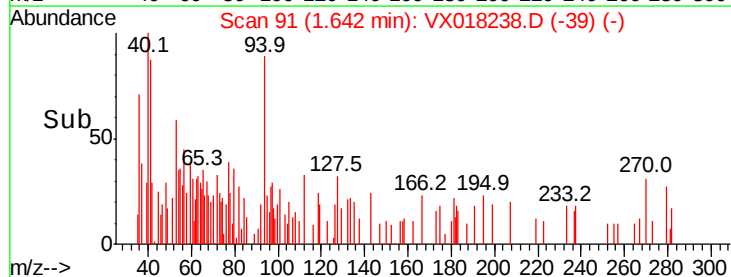
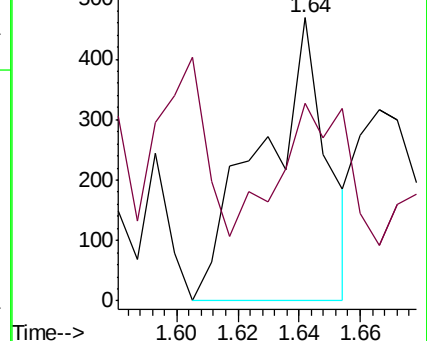
94 100

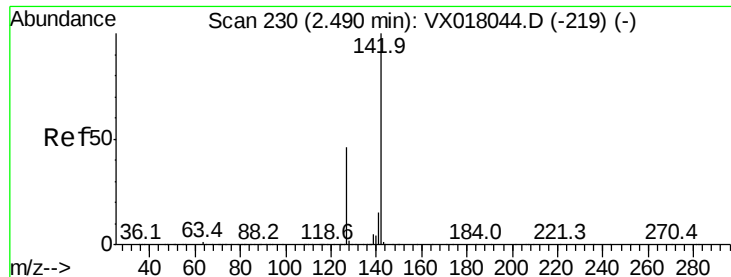
96 1.7 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

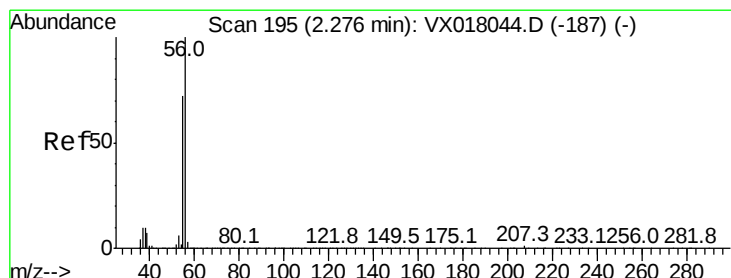
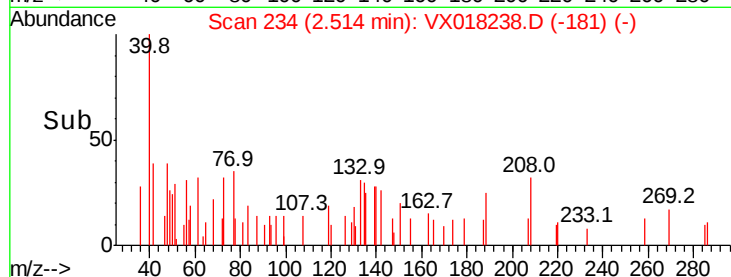
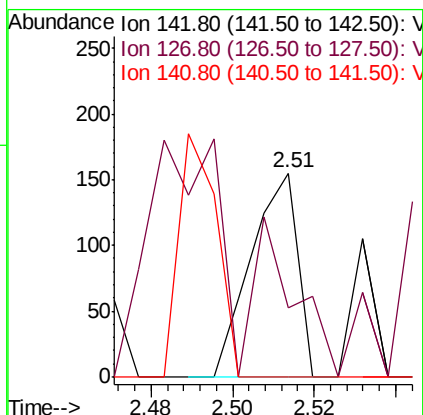
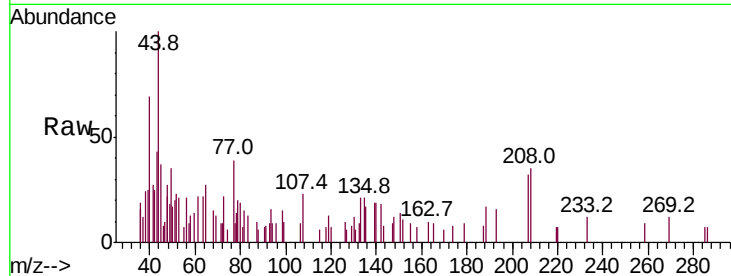




#10
Methyl Iodide
Concen: 5.312 ug/l
RT: 2.51 min Scan# 234
Delta R.T. 0.02 min
Lab File: VX018238.D
Acq: 03 Sep 2020 16:30

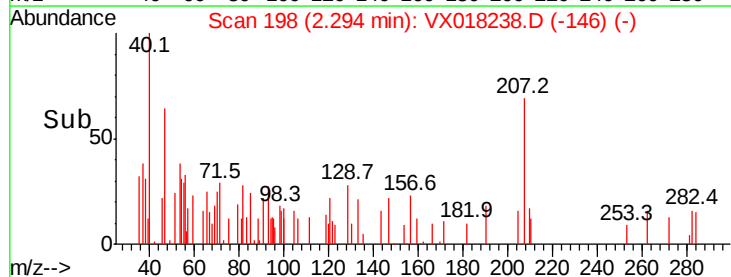
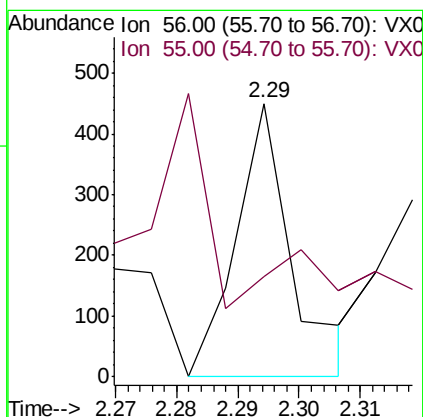
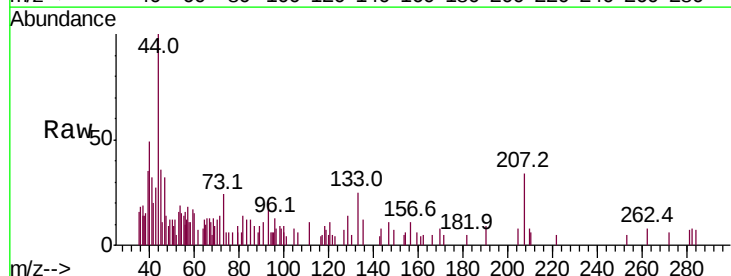
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ122I-20200902

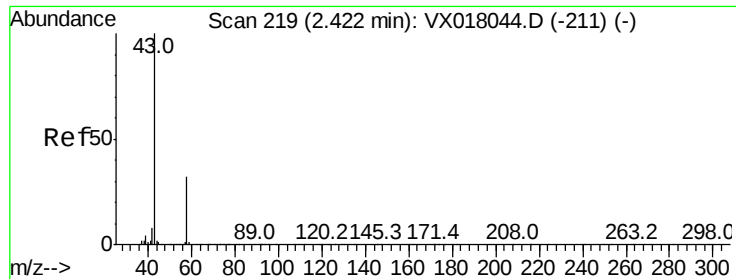
Tot Ion:142 Resp: 124
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.6#
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 0.594 ug/l
RT: 2.29 min Scan# 198
Delta R.T. 0.02 min
Lab File: VX018238.D
Acq: 03 Sep 2020 16:30

Tgt Ion: 56 Resp: 283
Ion Ratio Lower Upper
56 100
55 95.8 57.0 85.6#





#16

Acetone

Concen: 2.044 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018238.D

Acq: 03 Sep 2020 16:30

Instrument :

MSVOA_X

ClientSampleId :

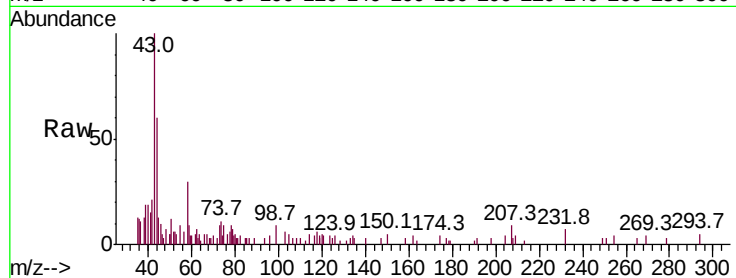
SA-PZ122I-20200902

Tot Ion: 43 Resp: 4706

Ion Ratio Lower Upper

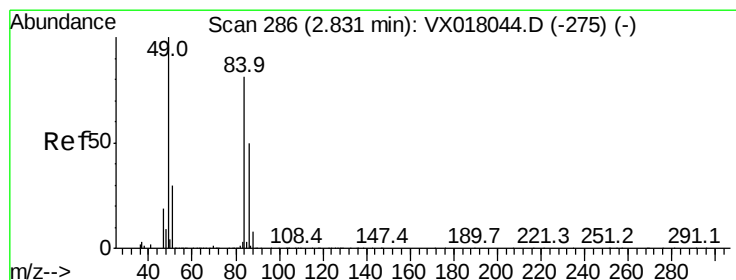
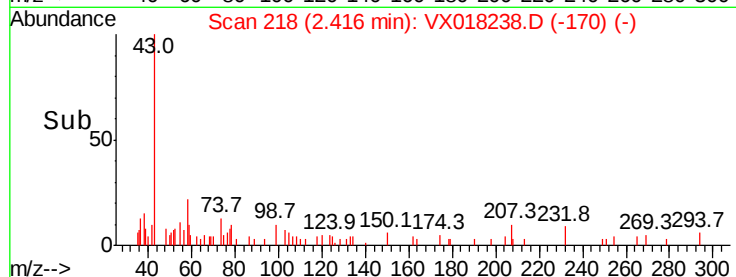
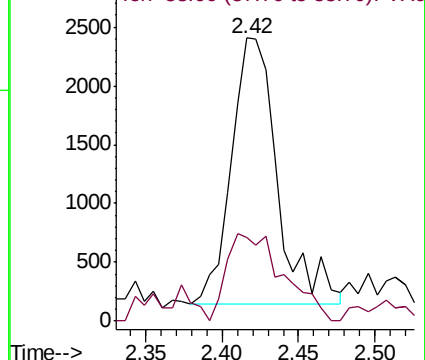
43 100

58 34.2 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX018238.D

Acq: 03 Sep 2020 16:30

Tgt Ion: 84 Resp: 1071

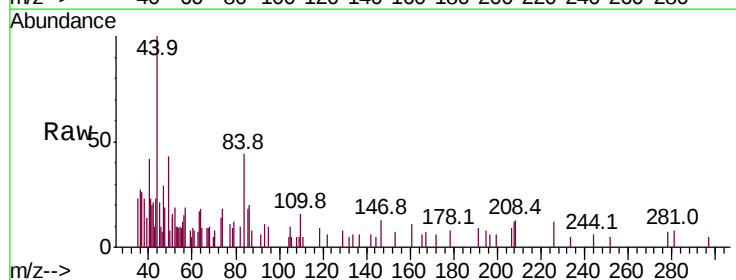
Ion Ratio Lower Upper

84 100

49 70.0 98.6 148.0#

51 27.8 29.6 44.4#

86 45.7 49.8 74.6#

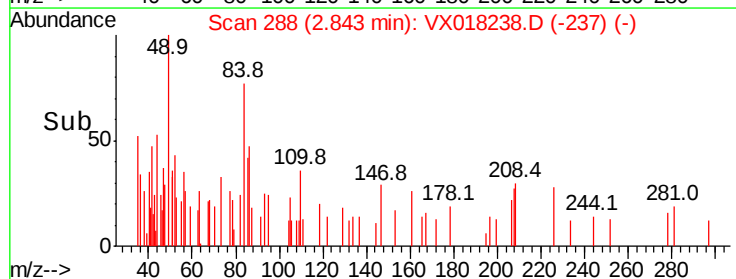
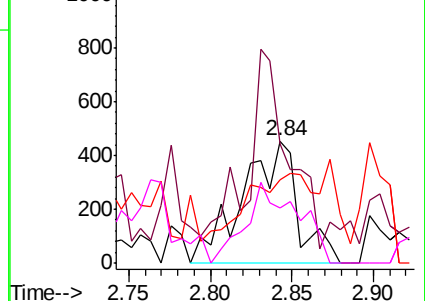


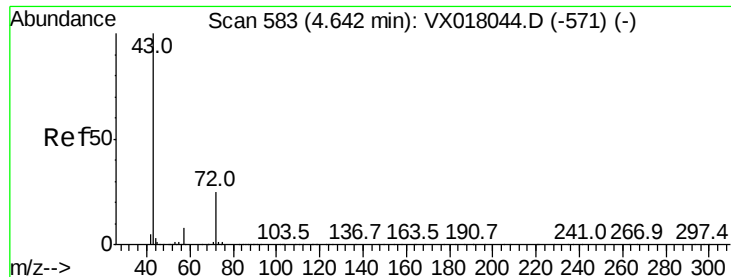
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.417 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX018238.D

Acq: 03 Sep 2020 16:30

Instrument :

MSVOA_X

ClientSampleId :

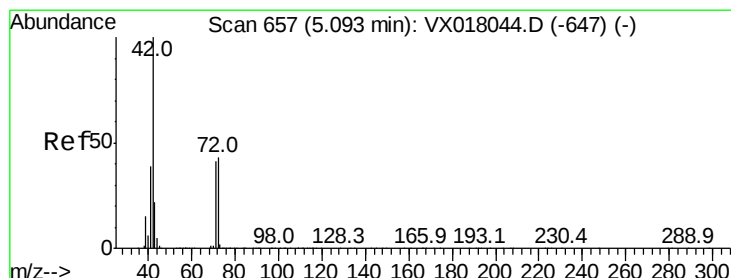
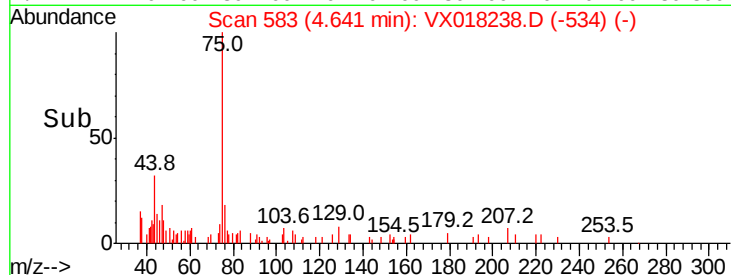
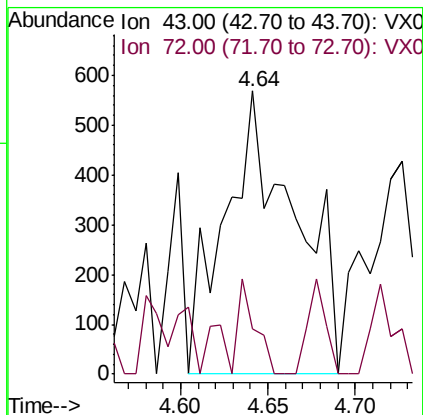
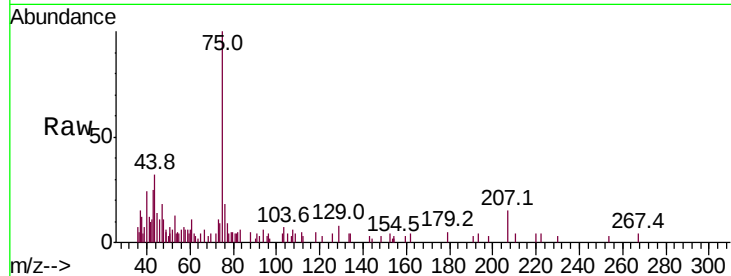
SA-PZ122I-20200902

Tot Ion: 43 Resp: 1579

Ion Ratio Lower Upper

43 100

72 16.2 19.8 29.6#



#29

Tetrahydrofuran

Concen: 0.210 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX018238.D

Acq: 03 Sep 2020 16:30

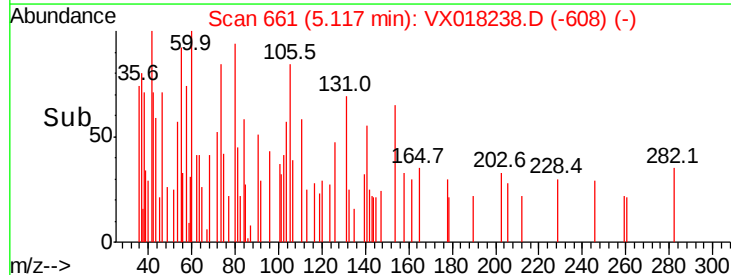
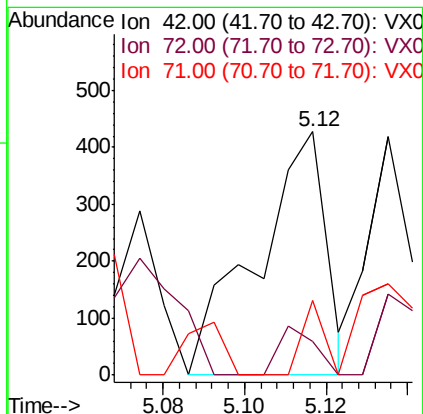
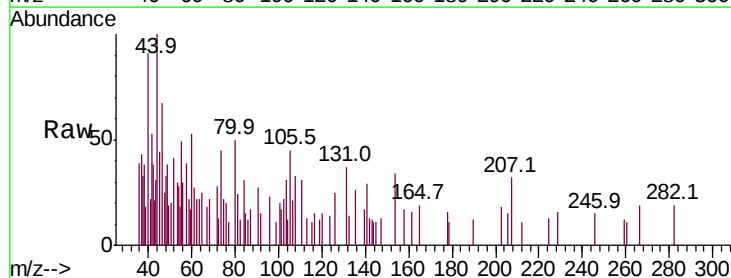
Tgt Ion: 42 Resp: 506

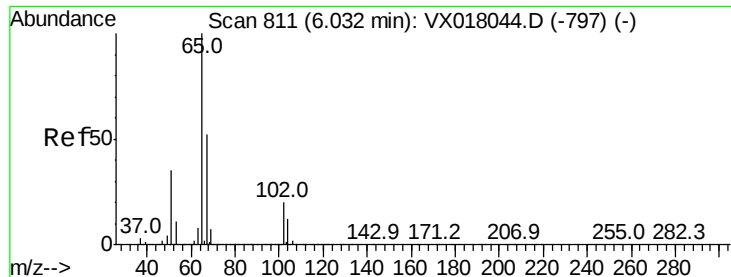
Ion Ratio Lower Upper

42 100

72 10.5 34.2 51.4#

71 0.0 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 54.878 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018238.D

Acq: 03 Sep 2020 16:30

Instrument :

MSVOA_X

ClientSampleId :

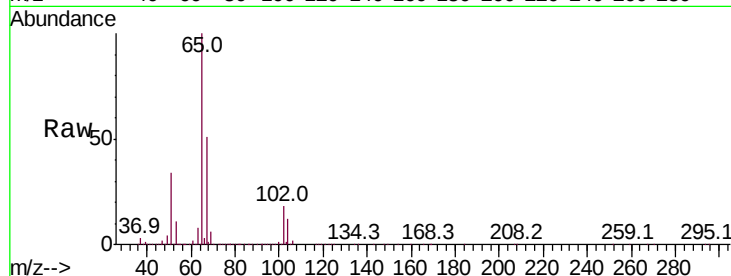
SA-PZ122I-20200902

Tot Ion: 65 Resp: 324284

Ion Ratio Lower Upper

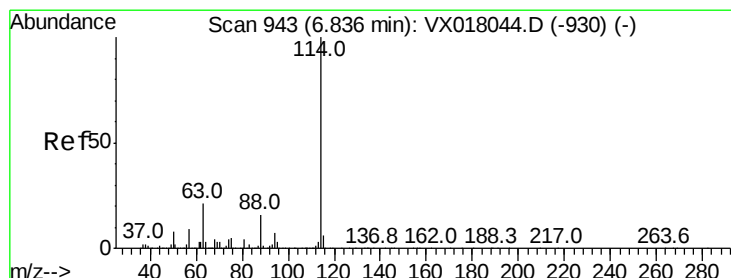
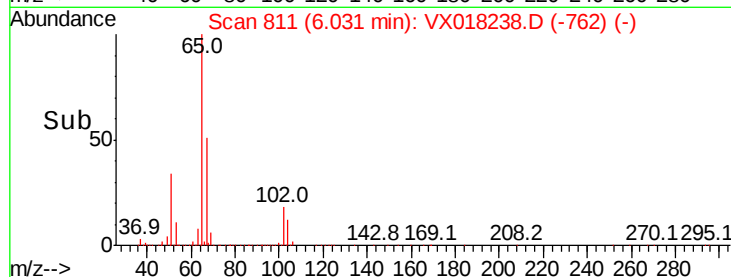
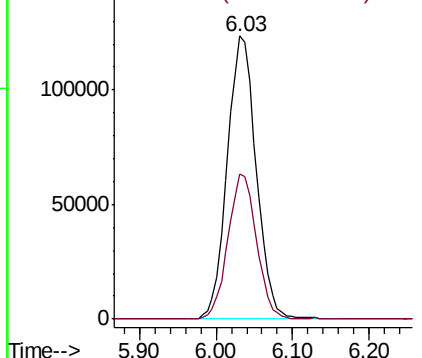
65 100

67 50.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018238.D

Acq: 03 Sep 2020 16:30

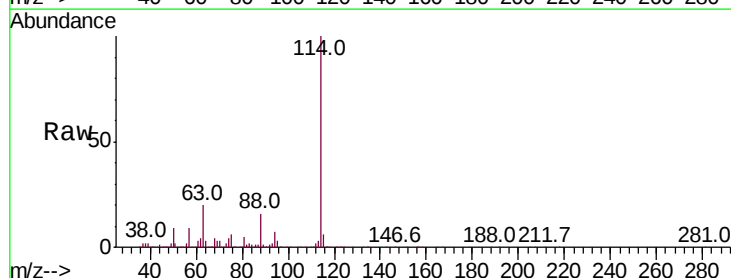
Tgt Ion: 114 Resp: 703569

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

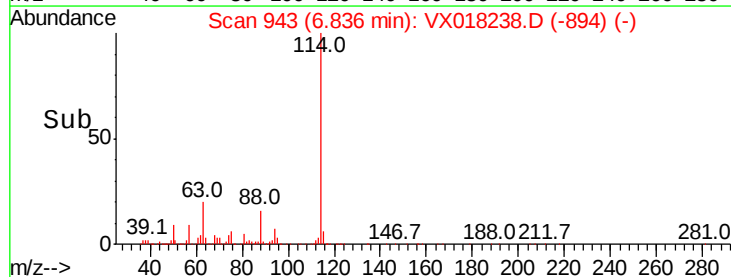
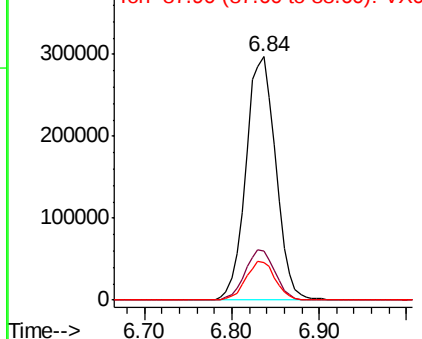
88 15.6 0.0 31.8

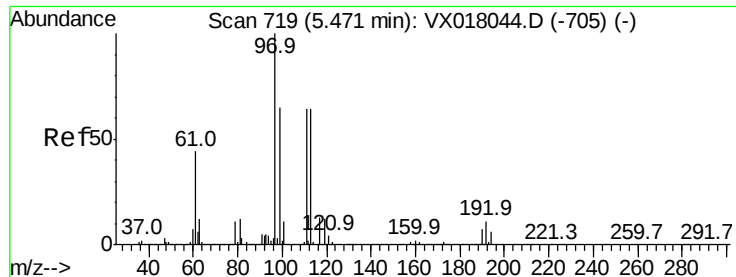


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.378 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018238.D

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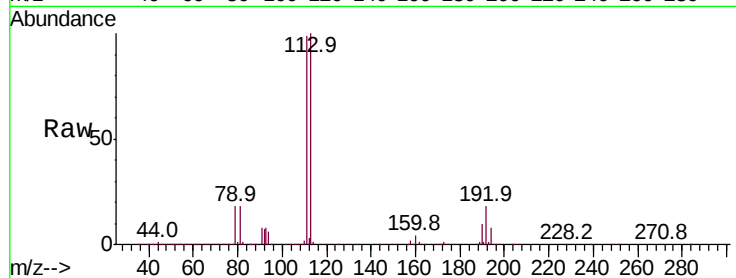
Tot Ion:113 Resp: 250979

Ion Ratio Lower Upper

113 100

111 103.6 81.6 122.4

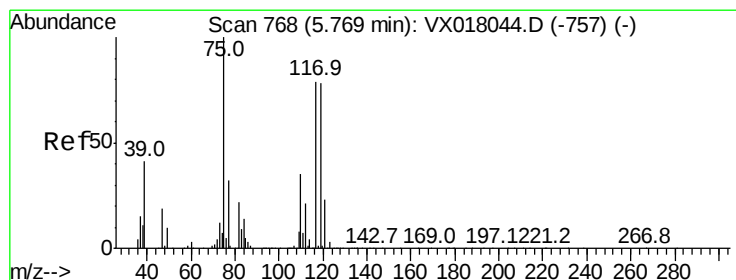
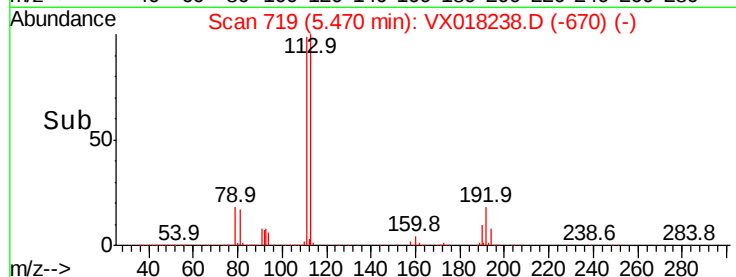
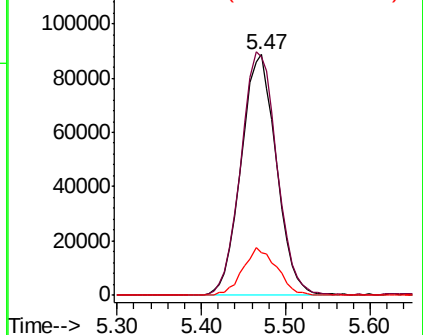
192 19.5 15.8 23.8



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: 5.455 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018238.D

Acq: 03 Sep 2020 16:30

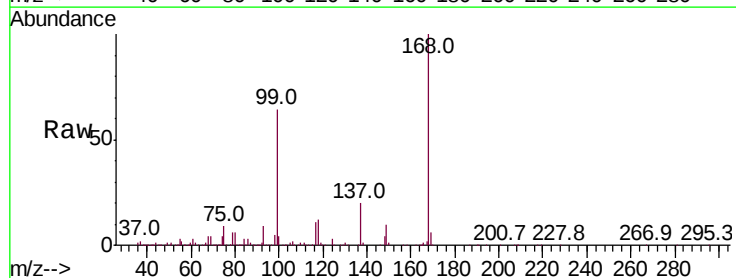
Tgt Ion: 75 Resp: 35402

Ion Ratio Lower Upper

75 100

110 9.8 18.0 54.0#

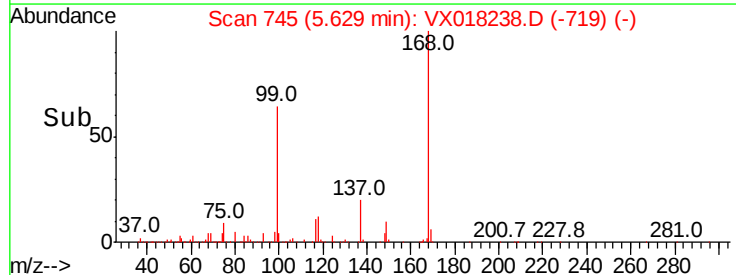
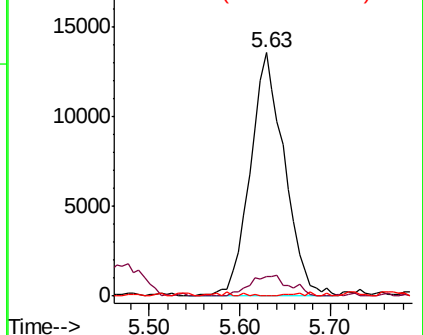
77 0.0 24.4 36.6#

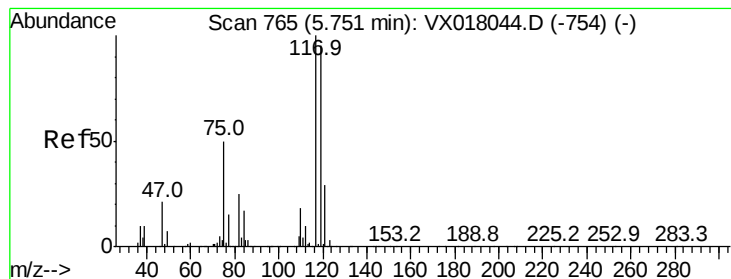


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.237 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018238.D

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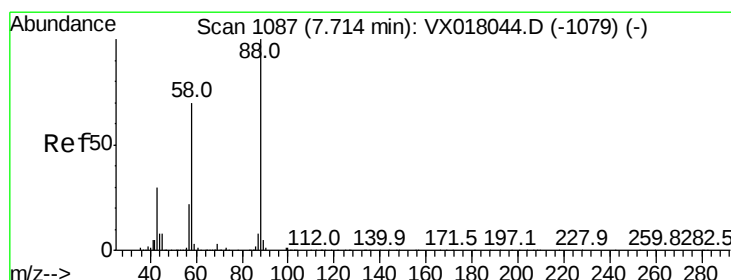
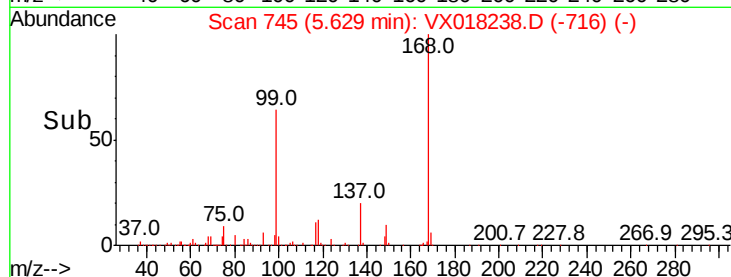
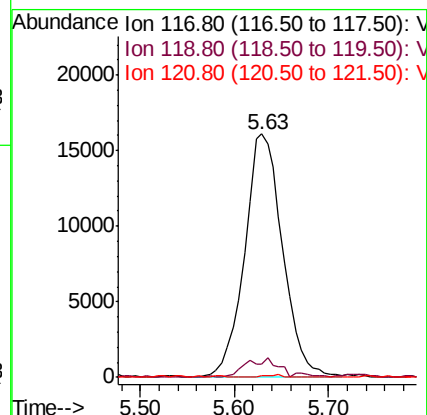
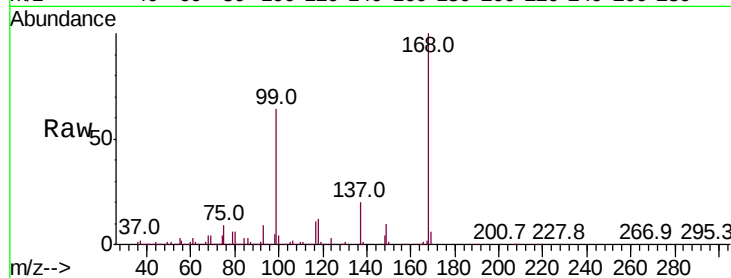
Tot Ion:117 Resp: 45611

Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.6#

121 0.5 23.4 35.0#



#49

1,4-Dioxane

Concen: 0.219 ug/l

RT: 7.69 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VX018238.D

Acq: 03 Sep 2020 16:30

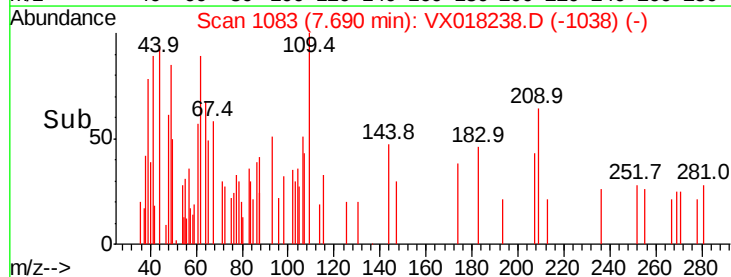
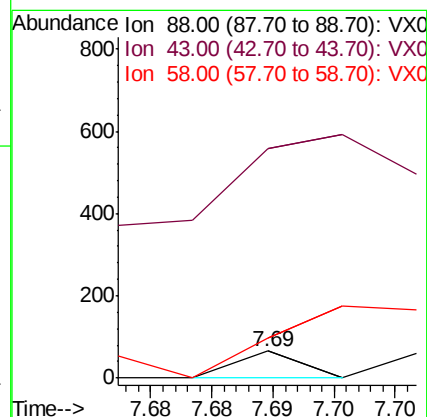
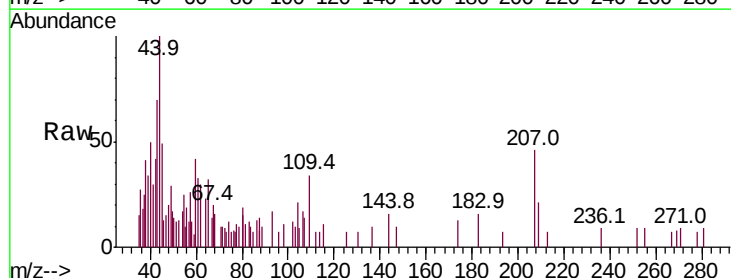
Tgt Ion: 88 Resp: 24

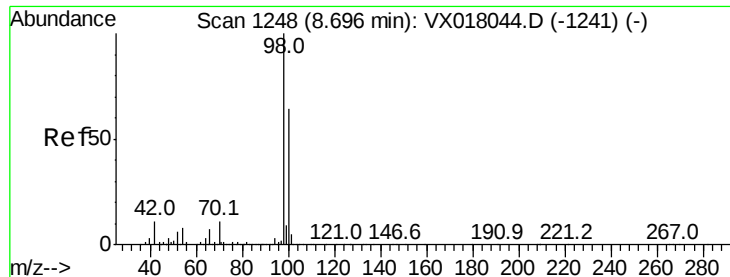
Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 0.0 56.4 84.6#





#50

Toluene-d8

Concen: 48.391 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018238.D

Acq: 03 Sep 2020 16:30

Instrument :

MSVOA_X

ClientSampleId :

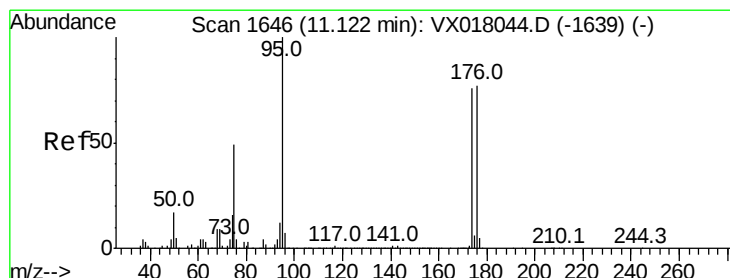
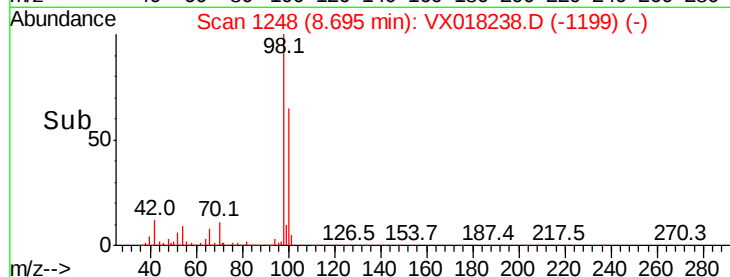
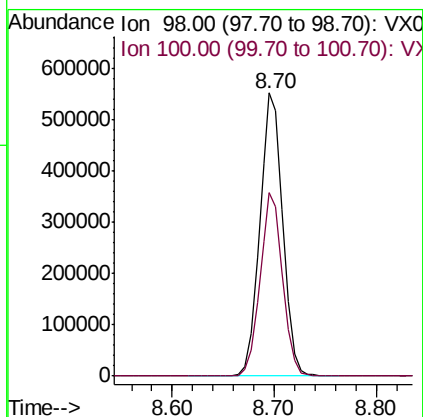
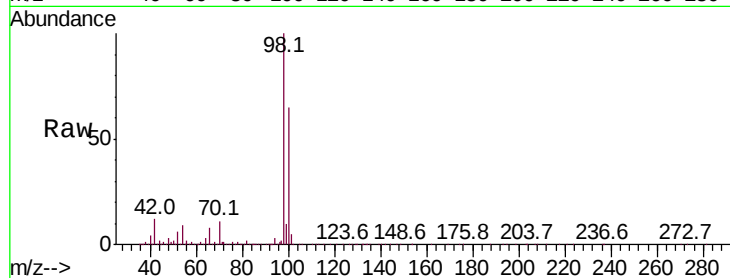
SA-PZ122I-20200902

Tot Ion: 98 Resp: 863626

Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 45.485 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018238.D

Acq: 03 Sep 2020 16:30

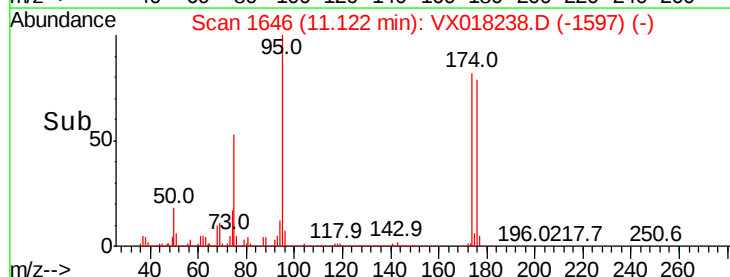
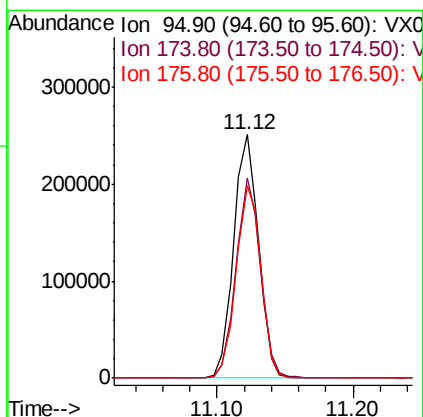
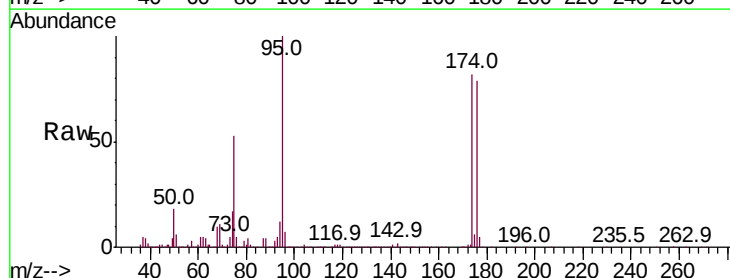
Tgt Ion: 95 Resp: 319376

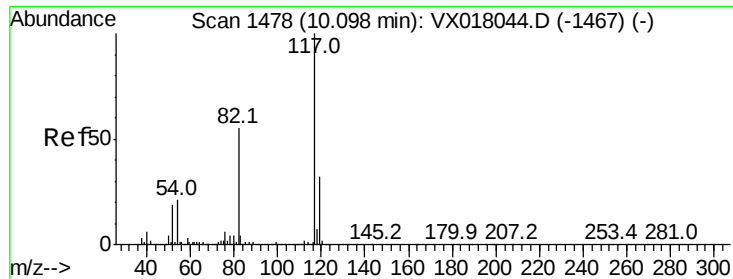
Ion Ratio Lower Upper

95 100

174 80.6 0.0 160.2

176 78.8 0.0 155.8

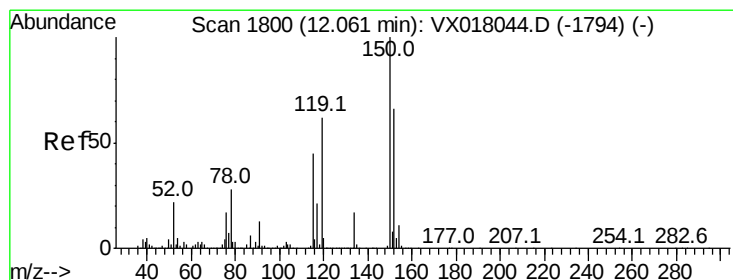
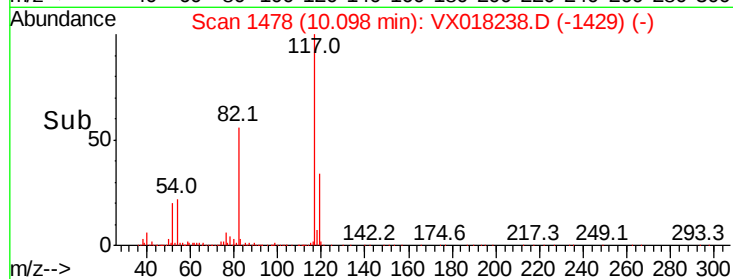
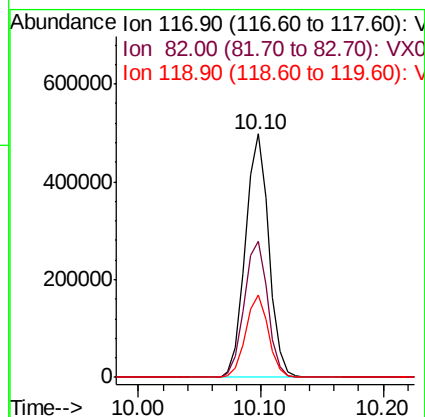
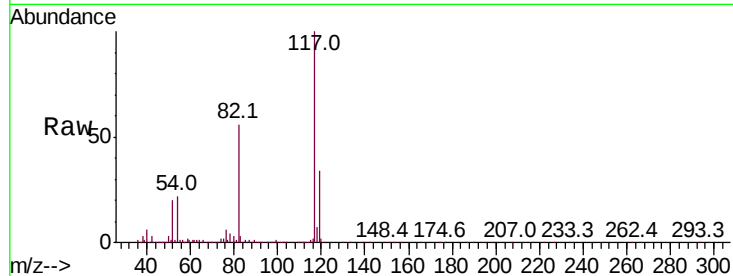




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018238.D
Acq: 03 Sep 2020 16:30

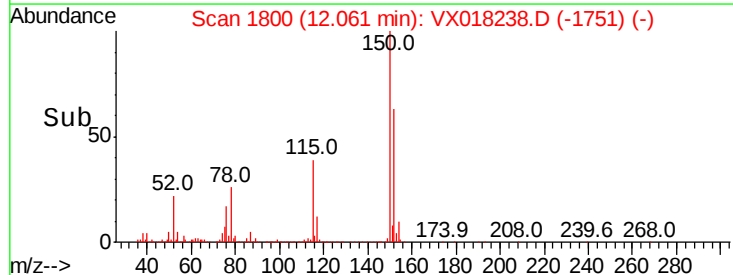
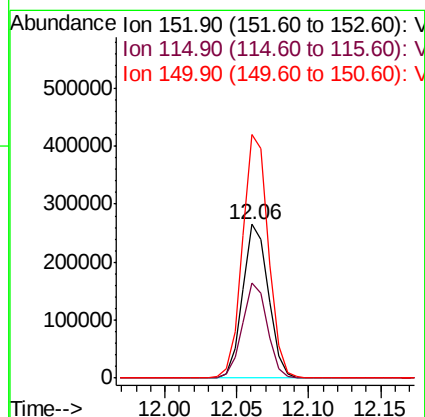
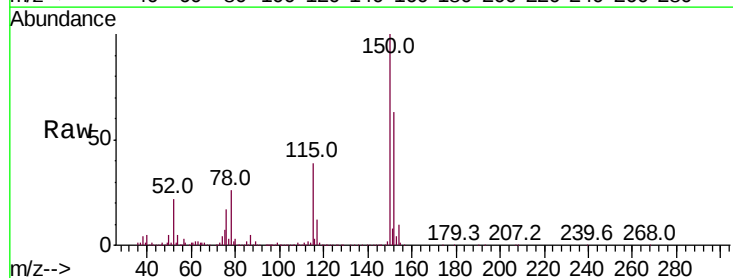
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ122I-20200902

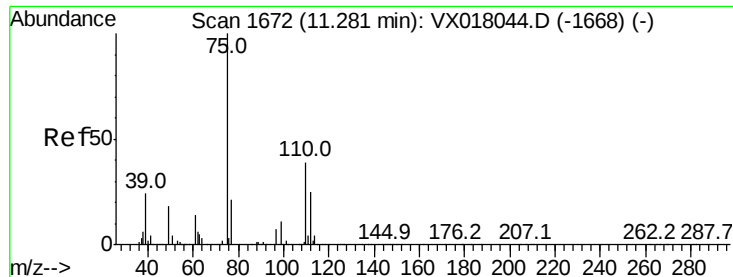
Tot Ion:117 Resp: 660629
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 33.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018238.D
Acq: 03 Sep 2020 16:30

Tgt Ion:152 Resp: 328612
Ion Ratio Lower Upper
152 100
115 60.4 41.5 124.5
150 158.6 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 23.080 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018238.D

Acq: 03 Sep 2020 16:30

Instrument :

MSVOA_X

ClientSampleId :

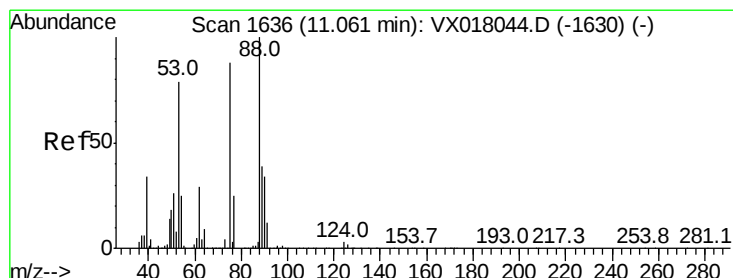
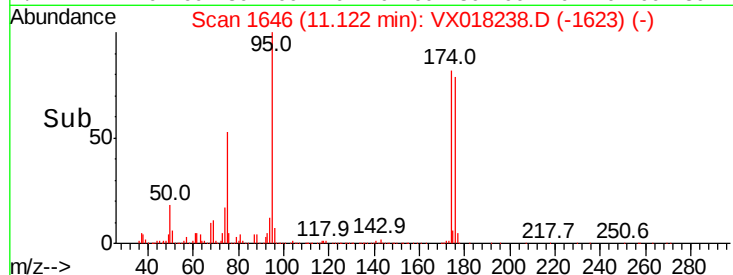
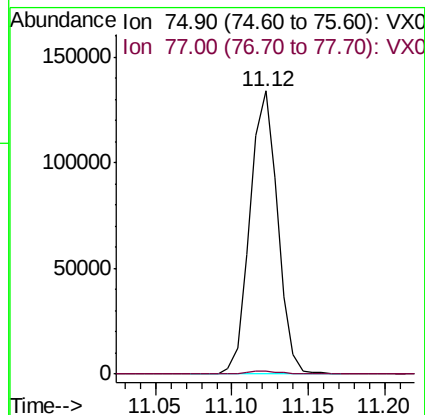
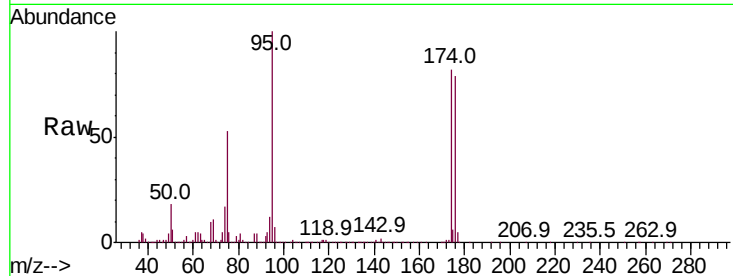
SA-PZ122I-20200902

Tot Ion: 75 Resp: 168716

Ion Ratio Lower Upper

75 100

77 1.1 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.335 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018238.D

Acq: 03 Sep 2020 16:30

Tgt Ion: 75 Resp: 168716

Ion Ratio Lower Upper

75 100

53 0.5 74.7 112.1#

89 0.1 36.6 54.8#

