

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090320\
 Data File : VX018236.D
 Acq On : 03 Sep 2020 15:44
 Operator : JC/SP
 Sample : L3903-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ123I-20200902

Quant Time: Sep 04 01:21:26 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	446024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	764345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	719540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	355154	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	335853	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	
35) Dibromofluoromethane	5.47	113	265272	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
50) Toluene-d8	8.70	98	927100	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	11.12	95	339081	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

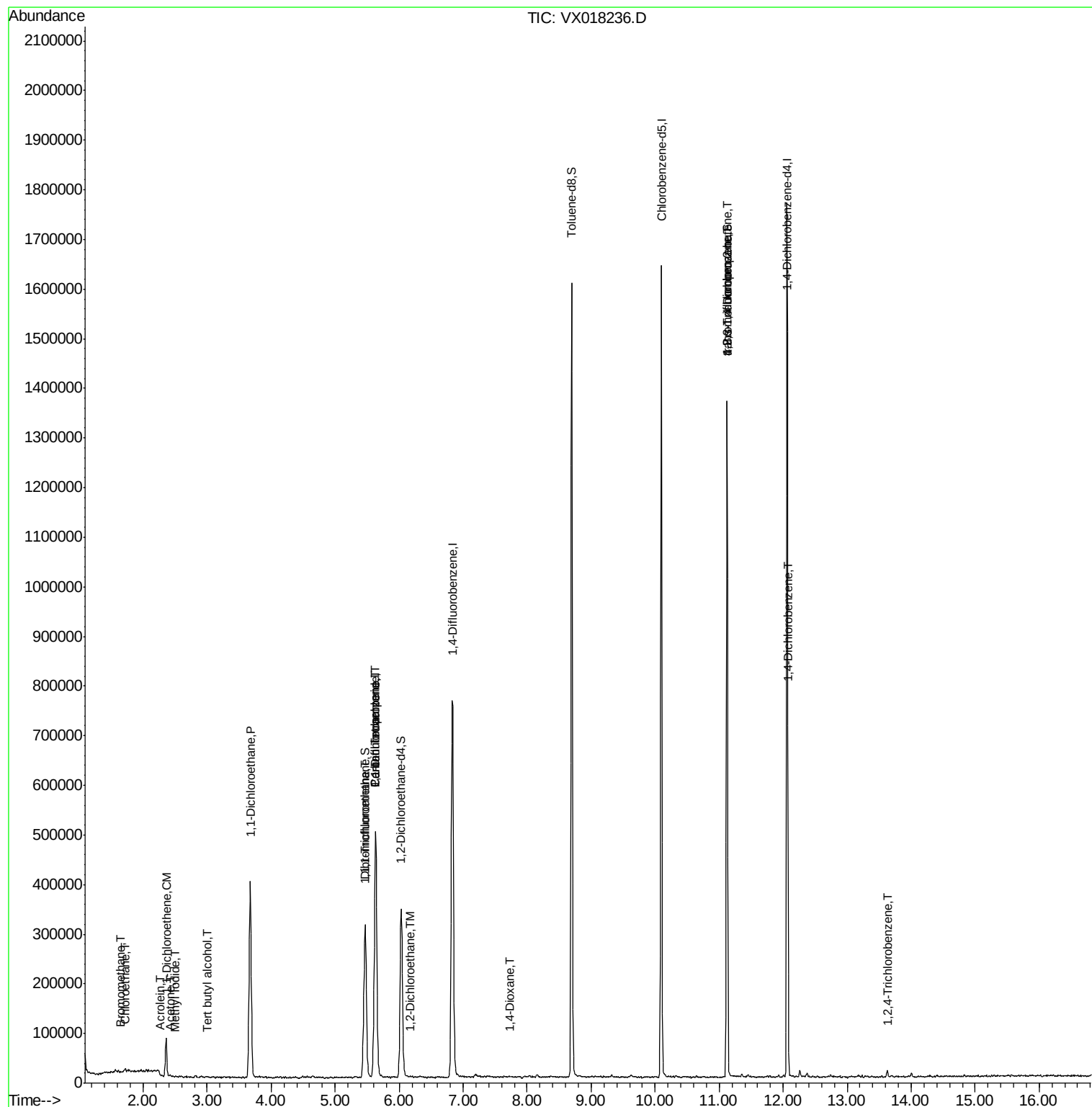
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	768	0.279	ug/l #	42
6) Chloroethane	1.72	64	4105	1.341	ug/l #	87
10) Methyl Iodide	2.49	142	22	5.291	ug/l #	1
11) Tert butyl alcohol	3.01	59	1016	0.844	ug/l #	42
12) 1,1-Dichloroethene	2.36	96	25390	5.825	ug/l	95
13) Acrolein	2.27	56	233	0.467	ug/l #	14
16) Acetone	2.42	43	3806	1.577	ug/l	99
20) Methylene Chloride	2.84	84	772	Below Cal	#	43
24) 1,1-Dichloroethane	3.67	63	442344	50.276	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	2108	0.252	ug/l #	50
36) 1,1-Dichloropropene	5.63	75	36221	5.138	ug/l #	53
38) Carbon Tetrachloride	5.64	117	49209	6.194	ug/l #	16
42) 1,2-Dichloroethane	6.16	62	2528	0.319	ug/l	97
49) 1,4-Dioxane	7.73	88	539	4.520	ug/l #	48
76) 1,2,3-Trichloropropane	11.12	75	177011	22.405	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	177011	60.512	ug/l #	12
88) 1,4-Dichlorobenzene	12.08	146	4932	0.433	ug/l #	16
93) 1,2,4-Trichlorobenzene	13.63	180	3244	0.455	ug/l	88

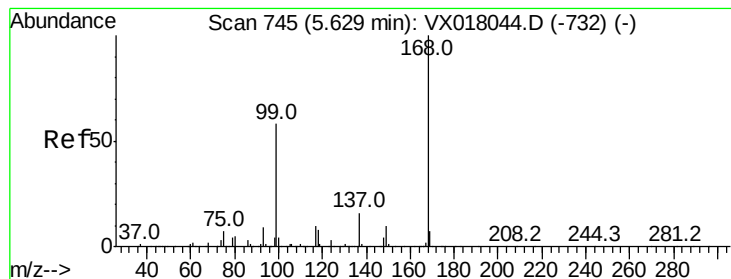
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

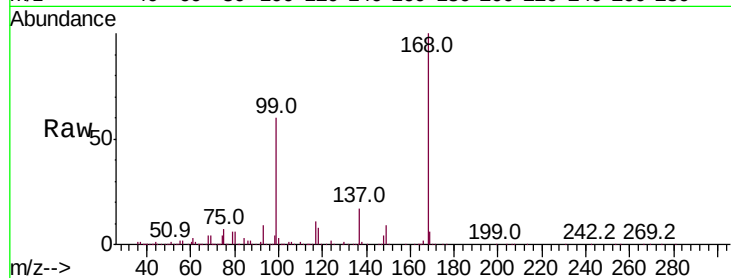
SA-PZ123I-20200902

Tot Ion:168 Resp: 446024

Ion Ratio Lower Upper

168 100

99 59.7 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

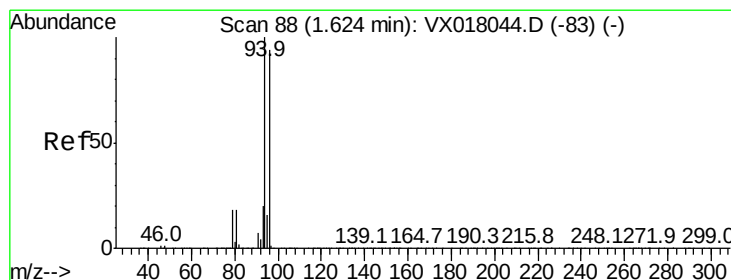
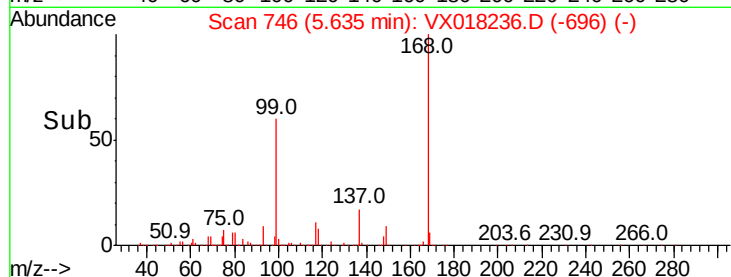
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.279 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018236.D

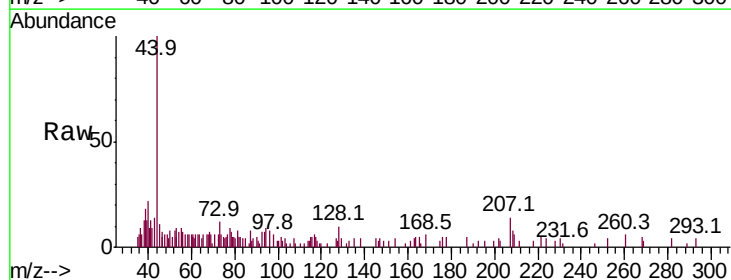
Acq: 03 Sep 2020 15:44

Tgt Ion: 94 Resp: 768

Ion Ratio Lower Upper

94 100

96 37.6 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

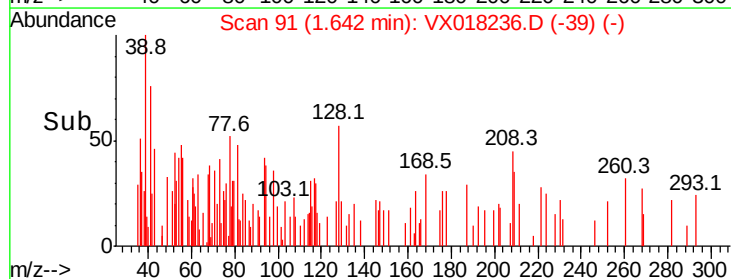
300

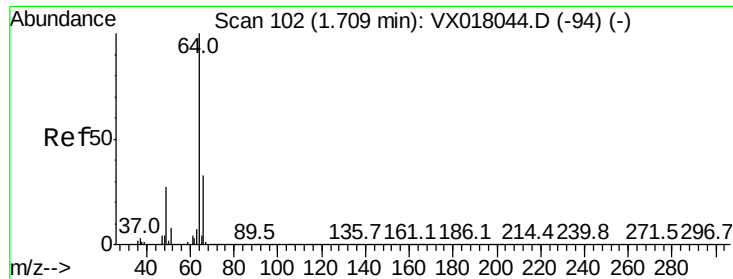
200

100

0

Time-->





#6

Chloroethane

Concen: 1.341 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

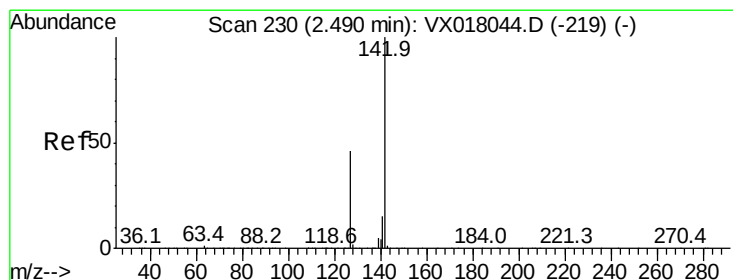
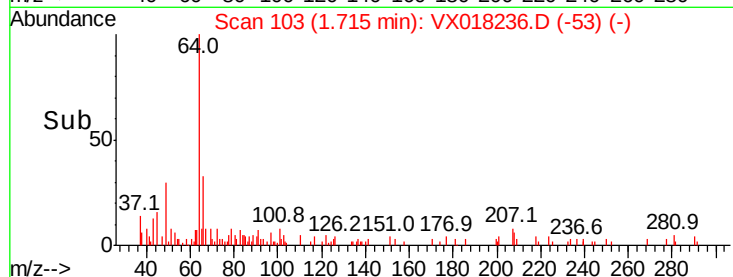
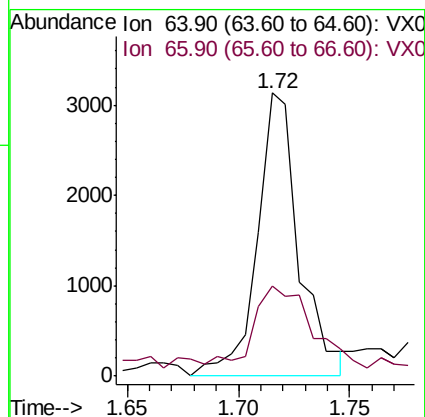
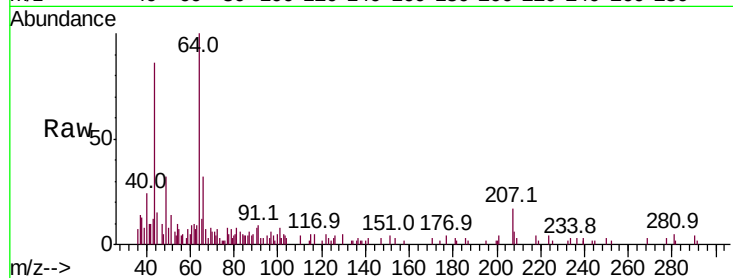
SA-PZ123I-20200902

Tot Ion: 64 Resp: 4105

Ion Ratio Lower Upper

64 100

66 25.6 26.6 39.8#



#10

Methyl Iodide

Concen: 5.291 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

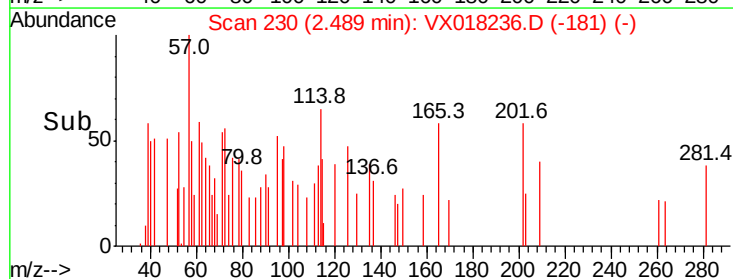
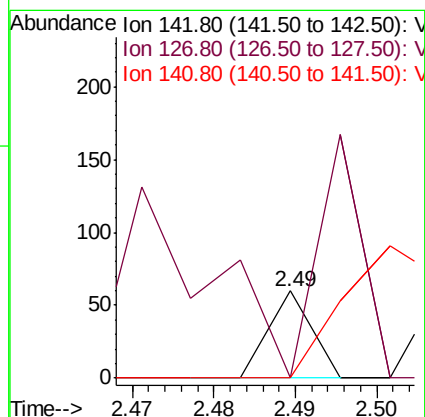
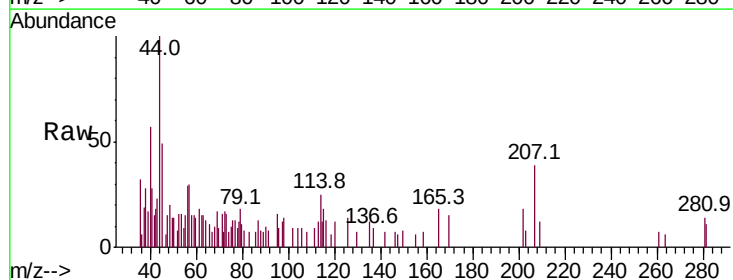
Tgt Ion: 142 Resp: 22

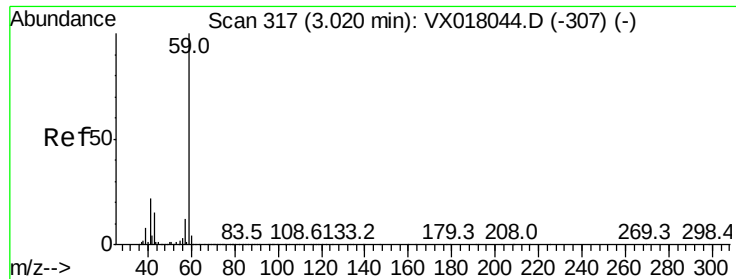
Ion Ratio Lower Upper

142 100

127 277.3 37.0 55.6#

141 363.6 11.5 17.3#

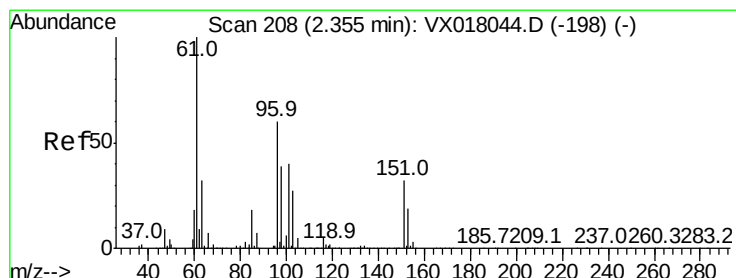
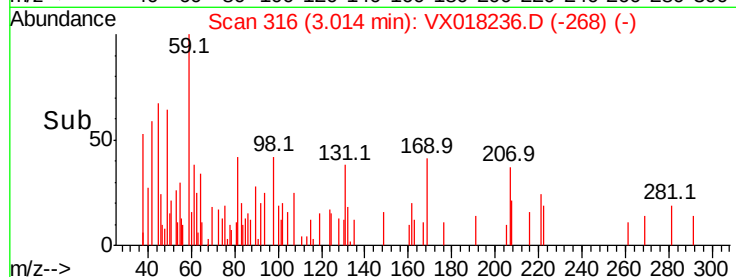
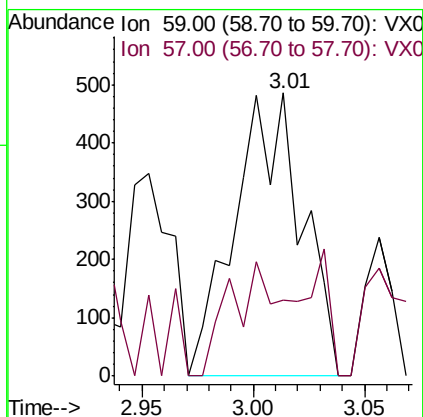
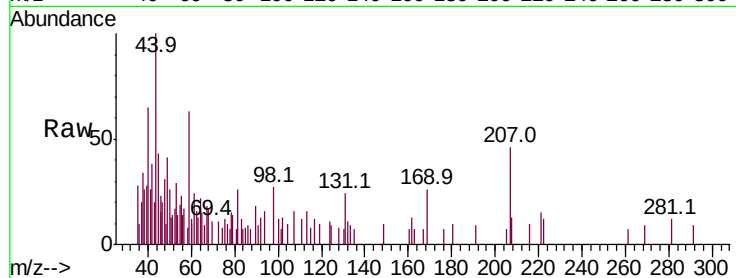




#11
Tert butyl alcohol
Concen: 0.844 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018236.D
Acq: 03 Sep 2020 15:44

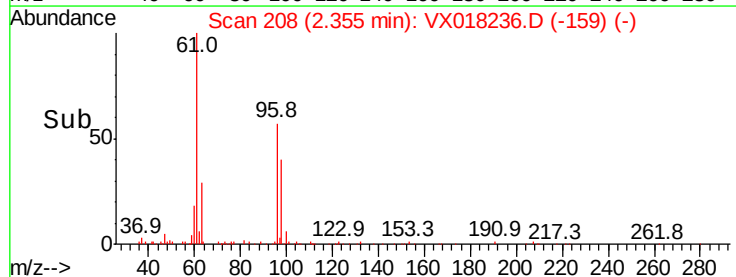
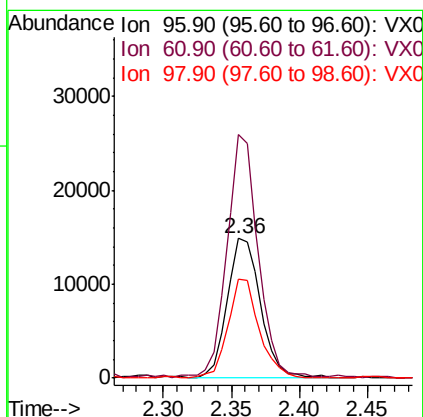
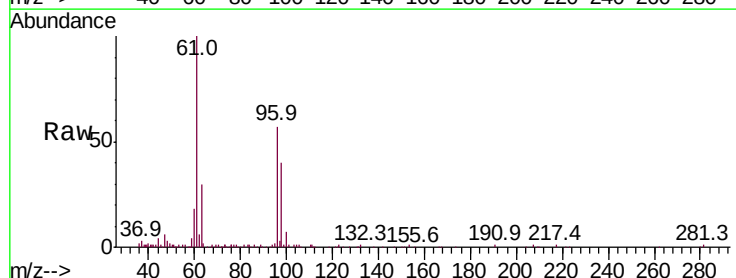
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1231-20200902

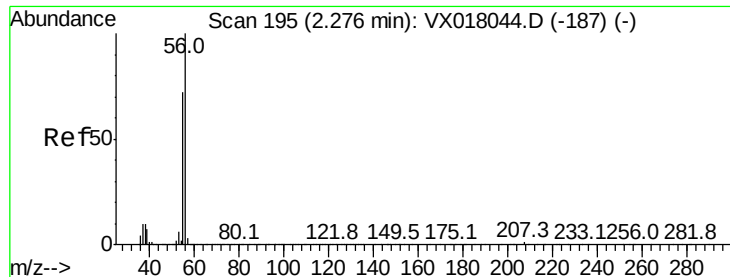
Tot Ion: 59 Resp: 1016
Ion Ratio Lower Upper
59 100
57 33.2 8.9 13.3#



#12
1,1-Dichloroethene
Concen: 5.825 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX018236.D
Acq: 03 Sep 2020 15:44

Tgt Ion: 96 Resp: 25390
Ion Ratio Lower Upper
96 100
61 172.4 133.0 199.4
98 70.6 51.6 77.4





#13

Acrolein

Concen: 0.467 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

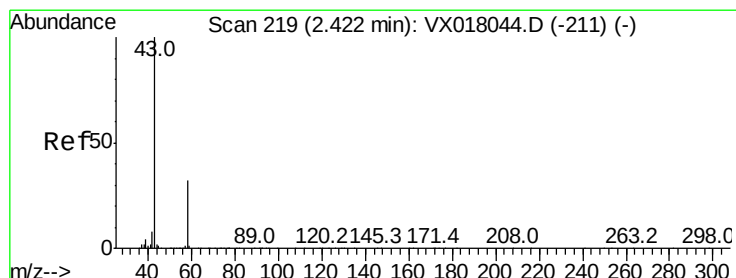
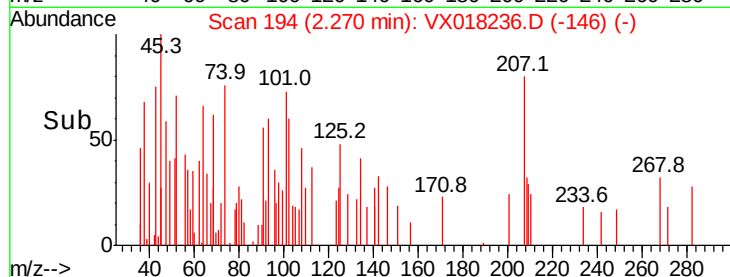
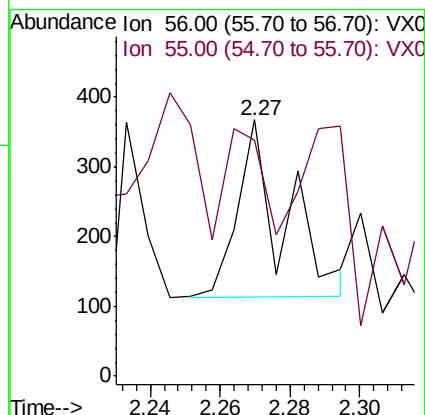
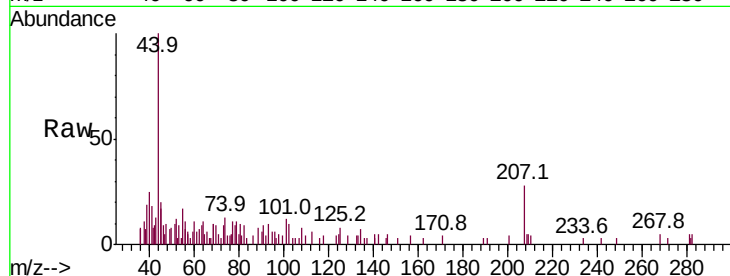
SA-PZ123I-20200902

Tot Ion: 56 Resp: 233

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#



#16

Acetone

Concen: 1.577 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018236.D

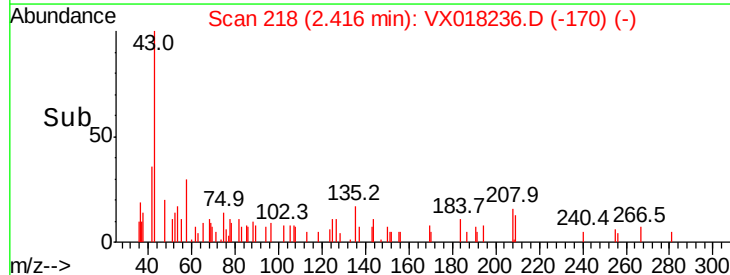
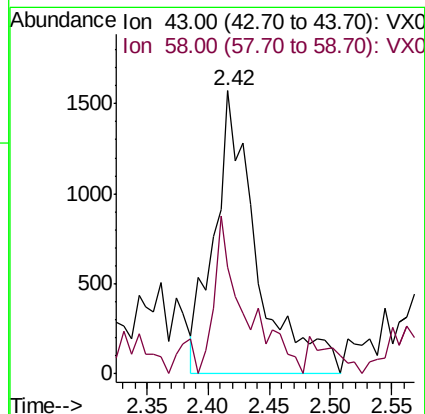
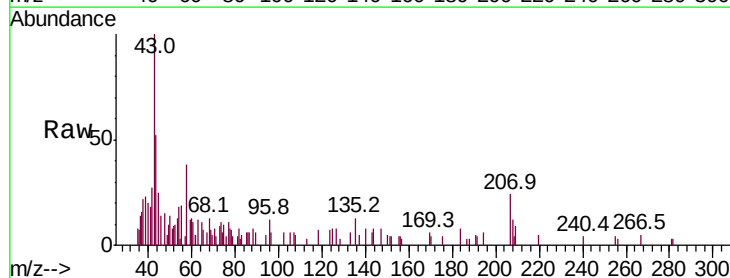
Acq: 03 Sep 2020 15:44

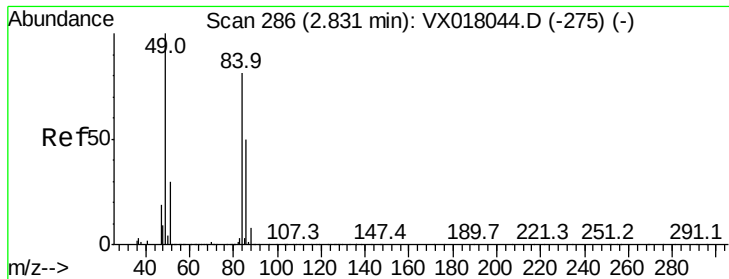
Tgt Ion: 43 Resp: 3806

Ion Ratio Lower Upper

43 100

58 31.2 25.5 38.3



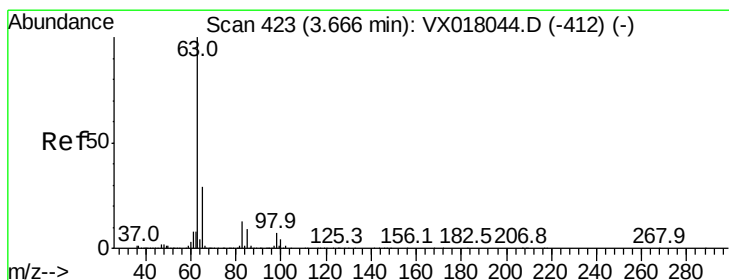
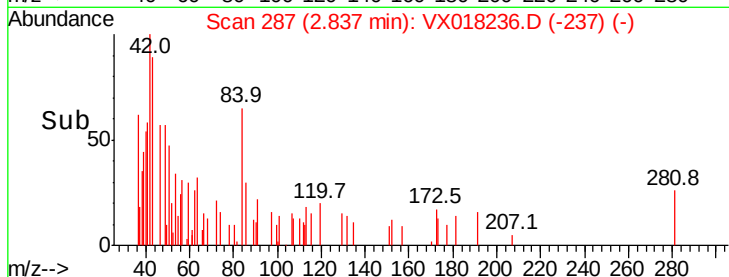
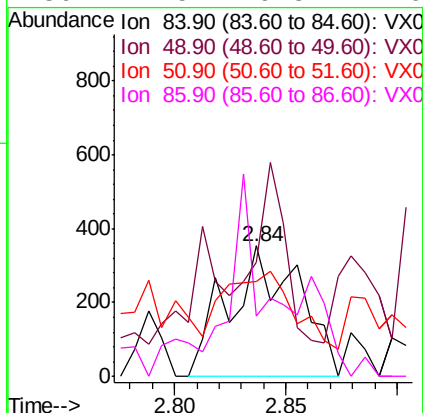
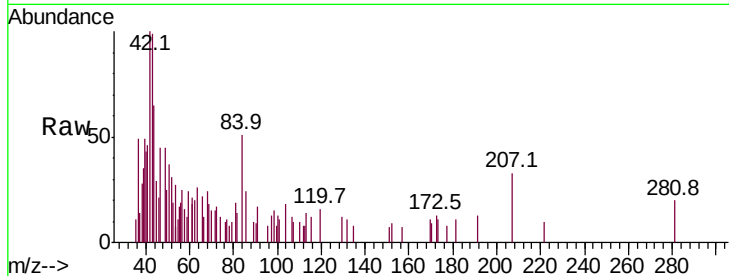


#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018236.D
Acq: 03 Sep 2020 15:44

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ123I-20200902

Tot Ion: 84 Resp: 772

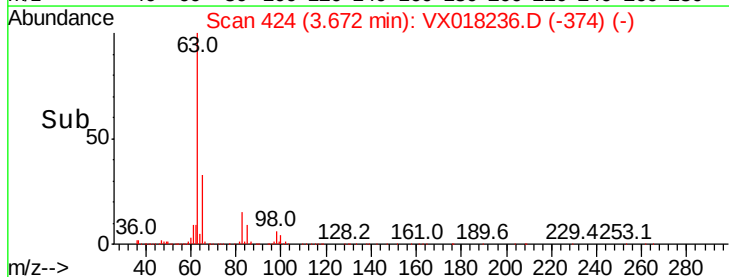
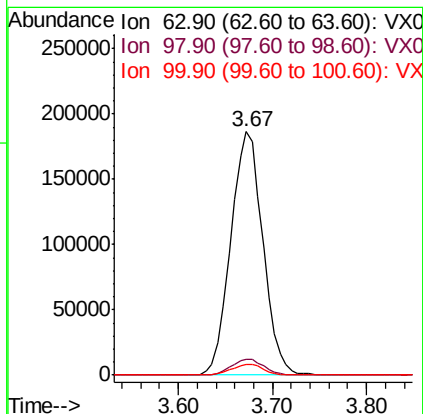
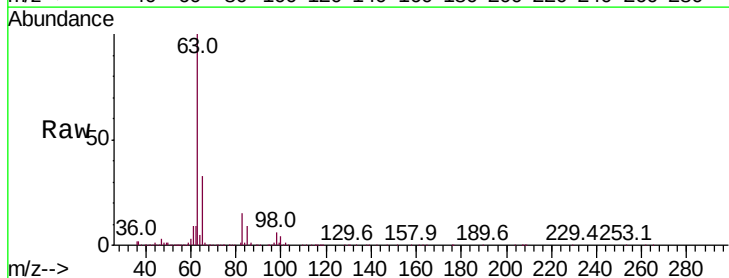
Ion	Ratio	Lower	Upper
84	100		
49	45.9	98.6	148.0#
51	51.6	29.6	44.4#
86	21.5	49.8	74.6#

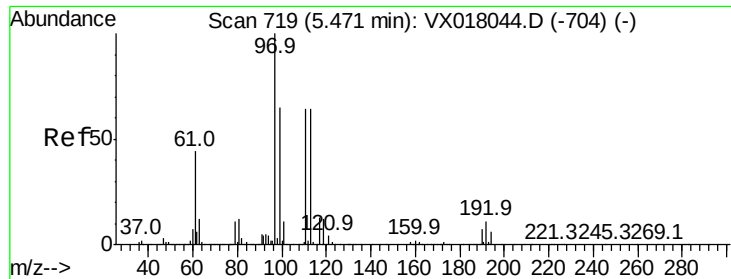


#24
1,1-Dichloroethane
Concen: 50.276 ug/l
RT: 3.67 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX018236.D
Acq: 03 Sep 2020 15:44

Tgt Ion: 63 Resp: 442344

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.6	10.8
100	4.2	2.0	6.0





#32

1,1,1-Trichloroethane

Concen: 0.252 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ123I-20200902

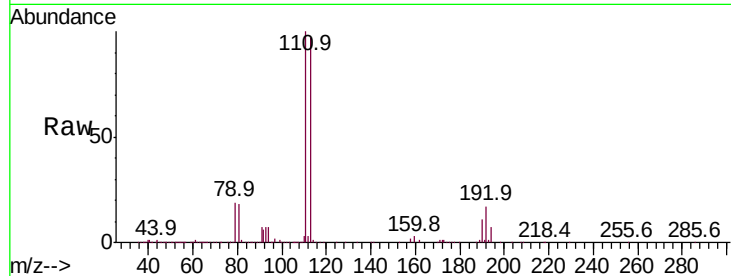
Tot Ion: 97 Resp: 2108

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

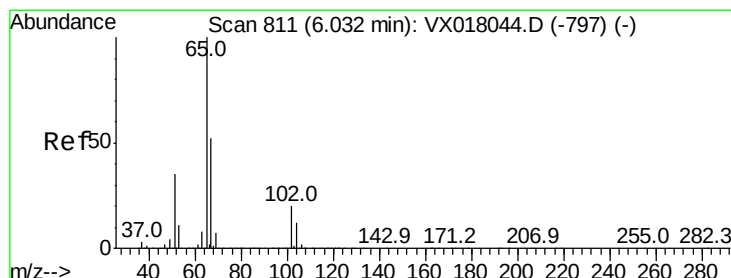
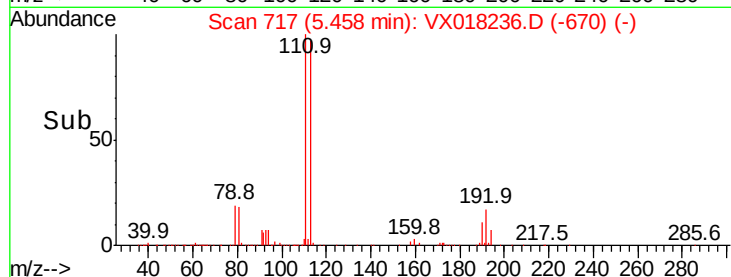
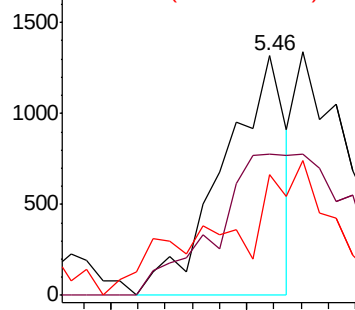
61 40.9 34.2 51.4



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.240 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018236.D

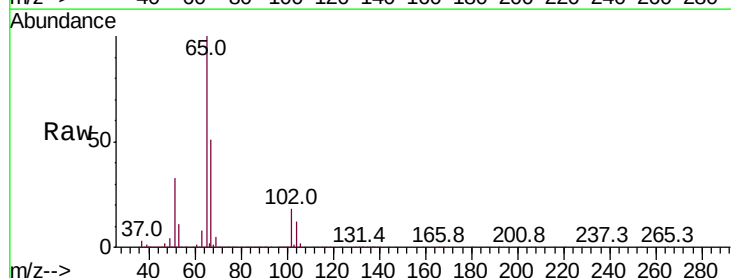
Acq: 03 Sep 2020 15:44

Tgt Ion: 65 Resp: 335853

Ion Ratio Lower Upper

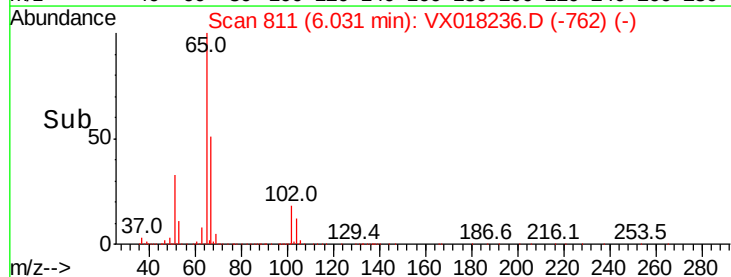
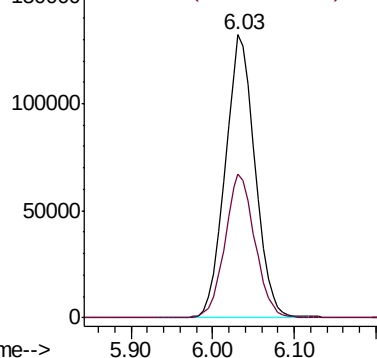
65 100

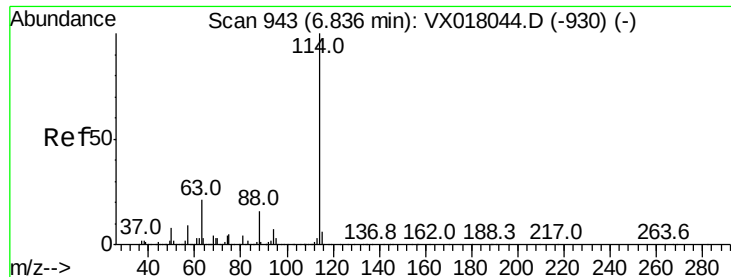
67 51.4 0.0 105.8



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: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ123I-20200902

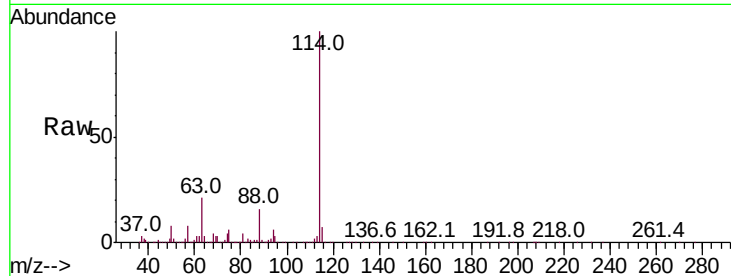
Tot Ion:114 Resp: 764345

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

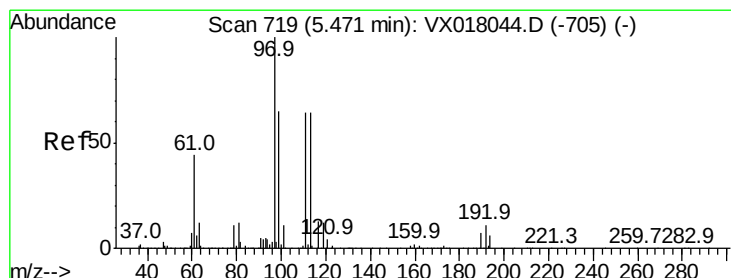
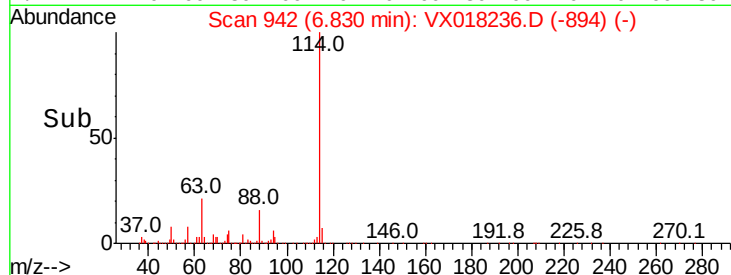
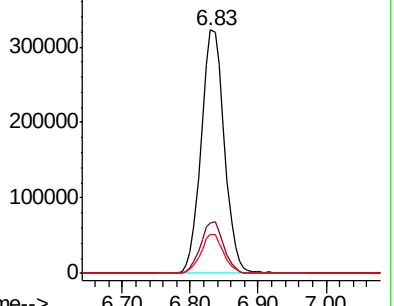
88 15.8 0.0 31.8



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: 50.959 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

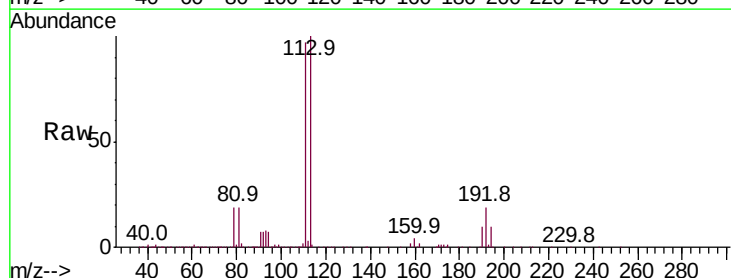
Tgt Ion:113 Resp: 265272

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

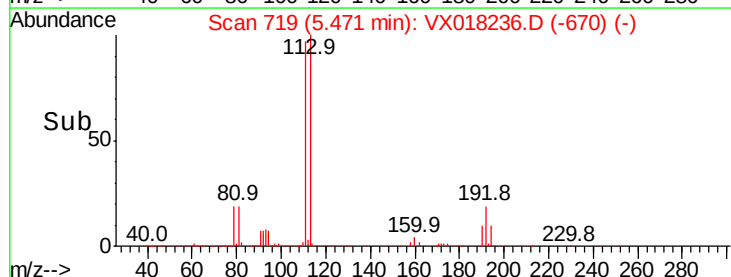
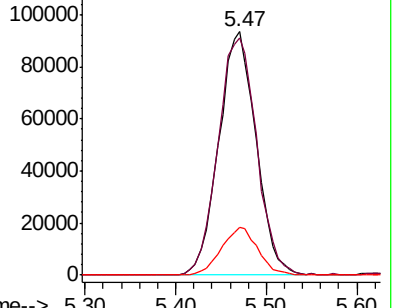
192 19.4 15.8 23.8

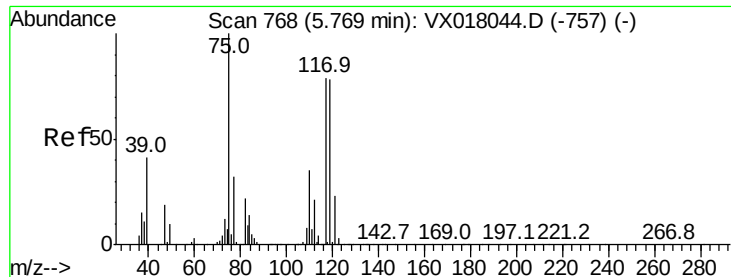


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.138 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ123I-20200902

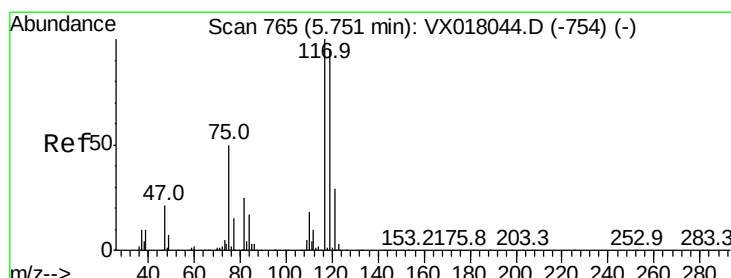
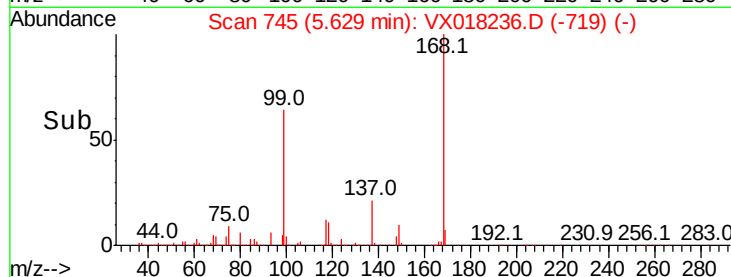
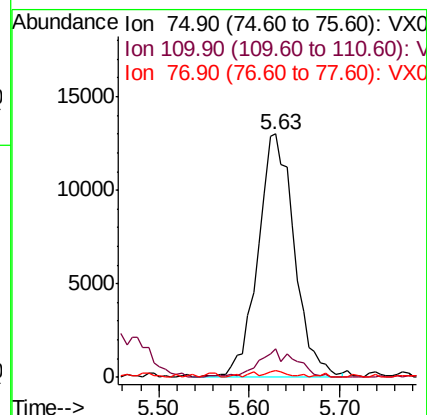
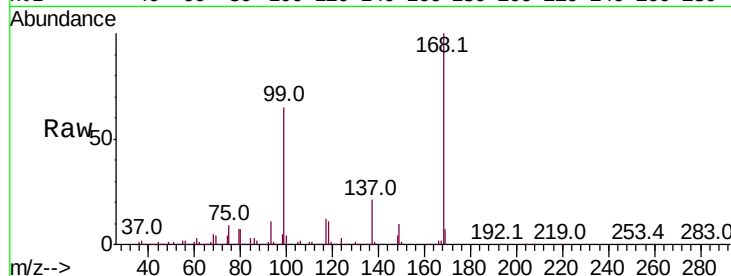
Tot Ion: 75 Resp: 36221

Ion Ratio Lower Upper

75 100

110 11.8 18.0 54.0#

77 1.7 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.194 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

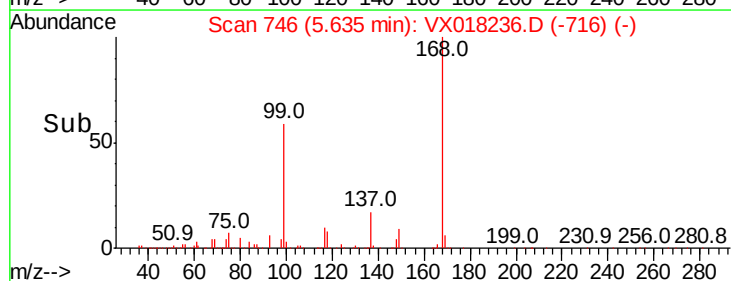
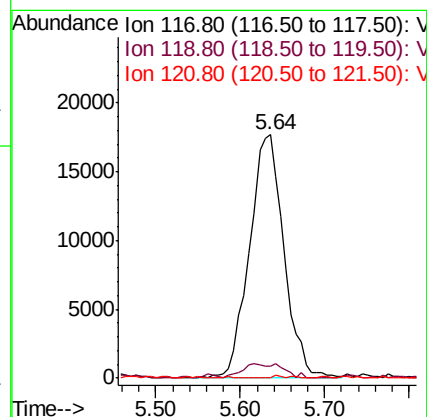
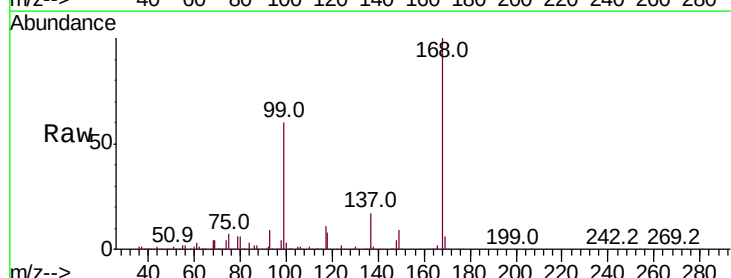
Tgt Ion: 117 Resp: 49209

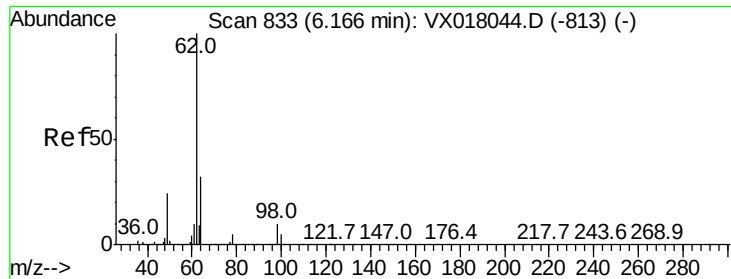
Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.6#

121 0.0 23.4 35.0#





#42

1,2-Dichloroethane

Concen: 0.319 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

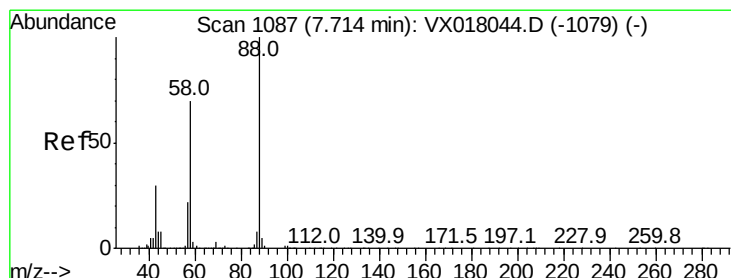
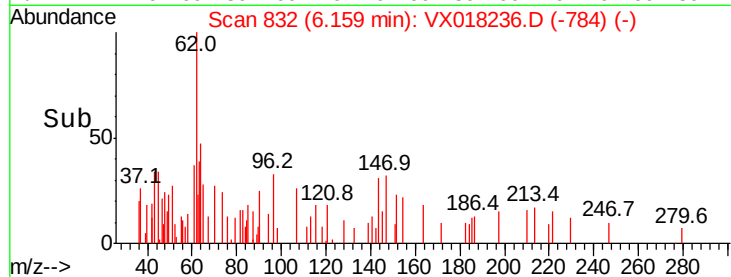
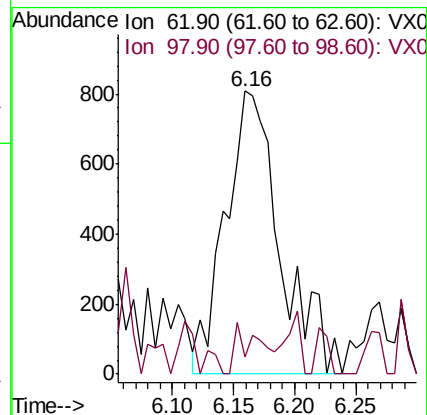
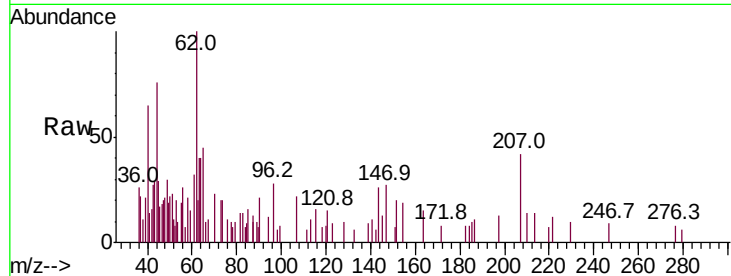
SA-PZ1231-20200902

Tot Ion: 62 Resp: 2528

Ion Ratio Lower Upper

62 100

98 7.9 0.0 18.2



#49

1,4-Dioxane

Concen: 4.520 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

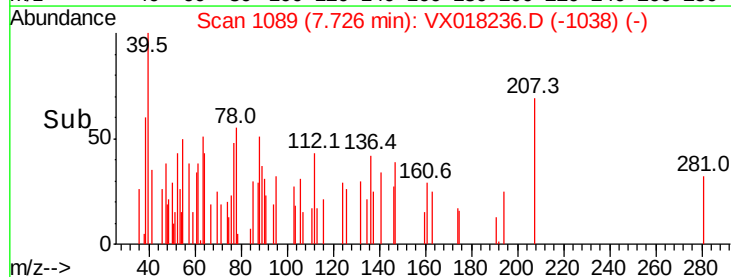
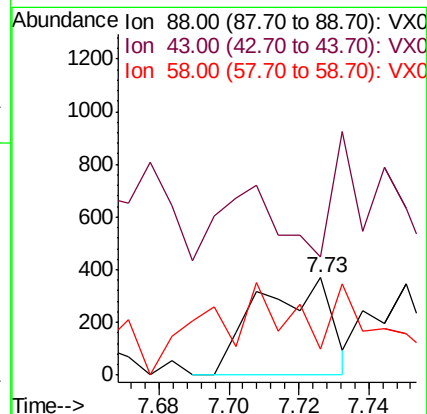
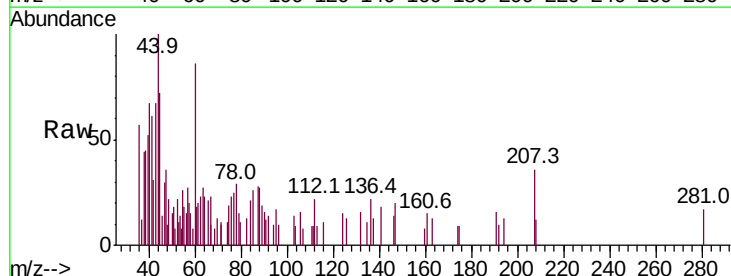
Tgt Ion: 88 Resp: 539

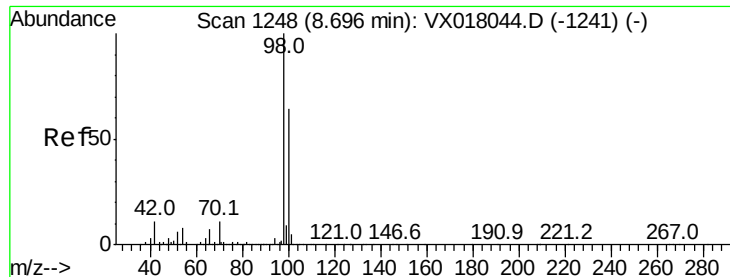
Ion Ratio Lower Upper

88 100

43 76.4 27.4 41.0#

58 36.7 56.4 84.6#





#50

Toluene-d8

Concen: 47.817 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

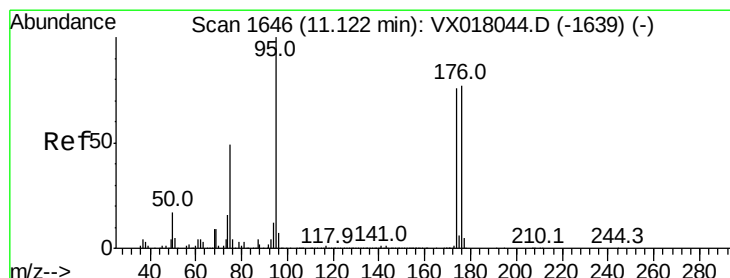
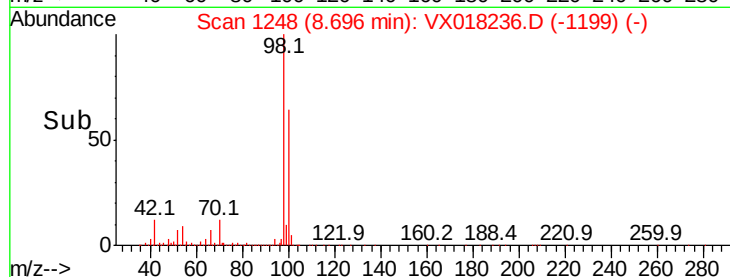
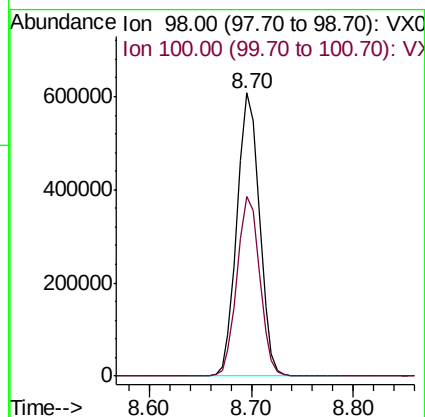
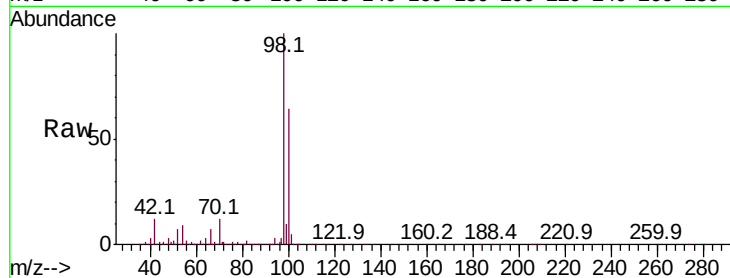
SA-PZ123I-20200902

Tot Ion: 98 Resp: 927100

Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 44.451 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

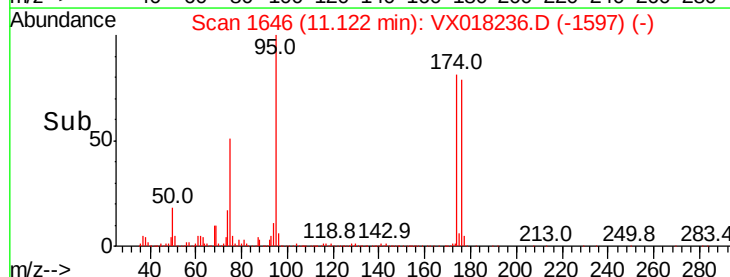
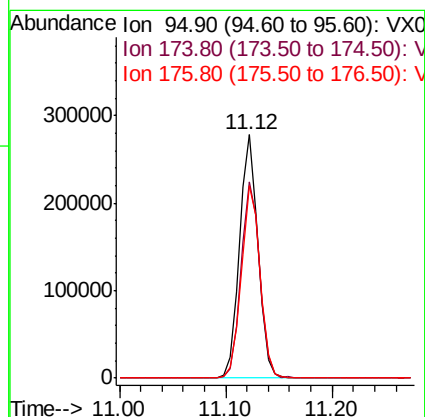
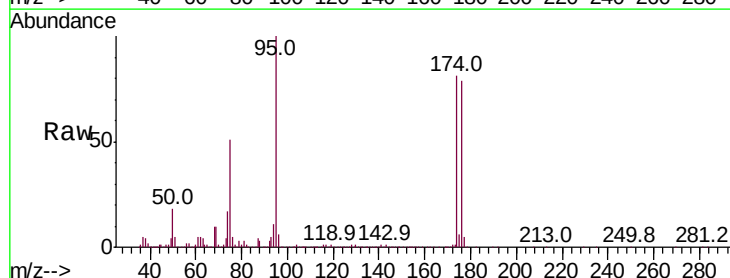
Tgt Ion: 95 Resp: 339081

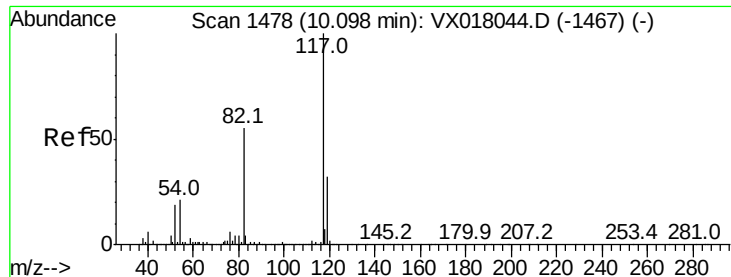
Ion Ratio Lower Upper

95 100

174 82.0 0.0 160.2

176 80.1 0.0 155.8

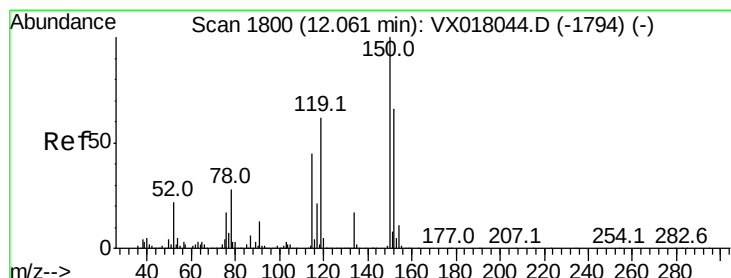
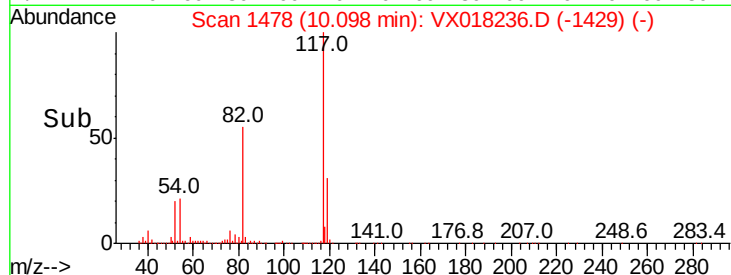
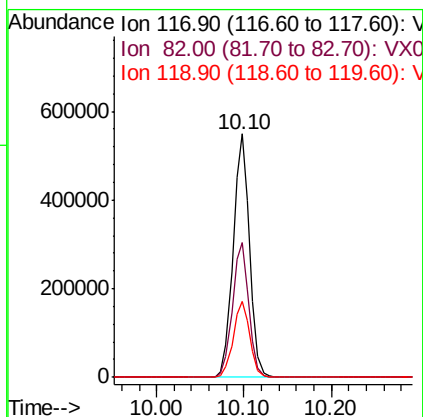
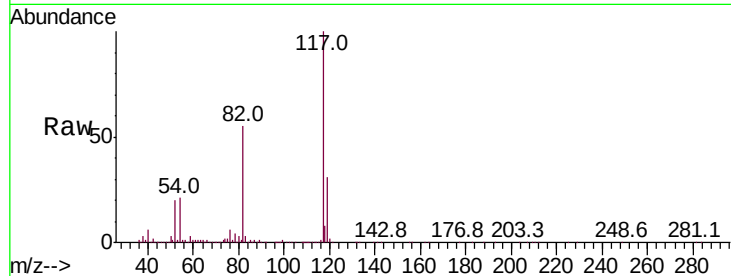




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018236.D
Acq: 03 Sep 2020 15:44

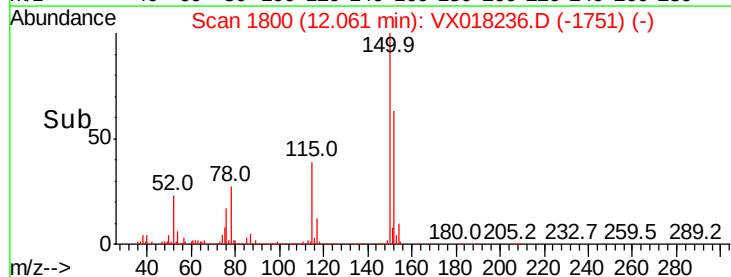
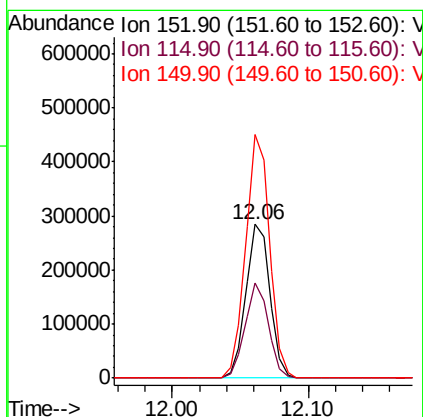
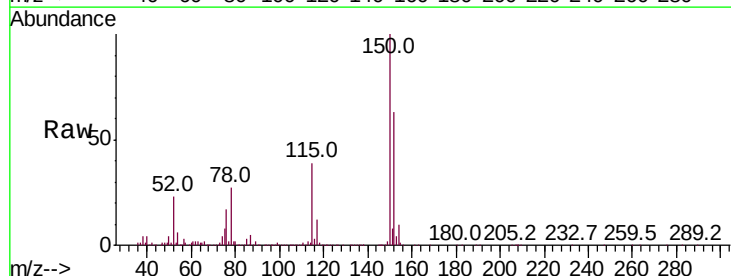
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ123I-20200902

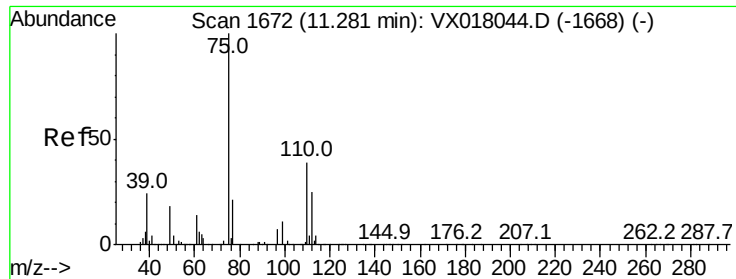
Tot Ion:117 Resp: 719540
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 31.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018236.D
Acq: 03 Sep 2020 15:44

Tgt Ion:152 Resp: 355154
Ion Ratio Lower Upper
152 100
115 59.4 41.5 124.5
150 156.8 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 22.405 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

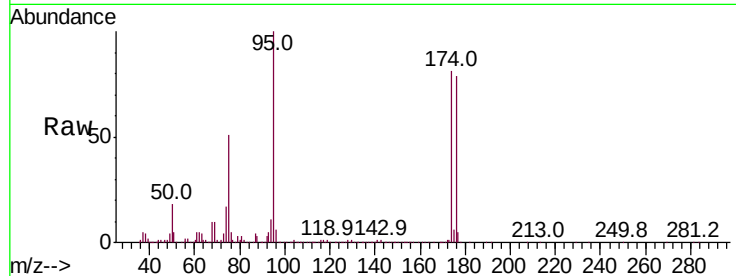
SA-PZ123I-20200902

Tot Ion: 75 Resp: 177011

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

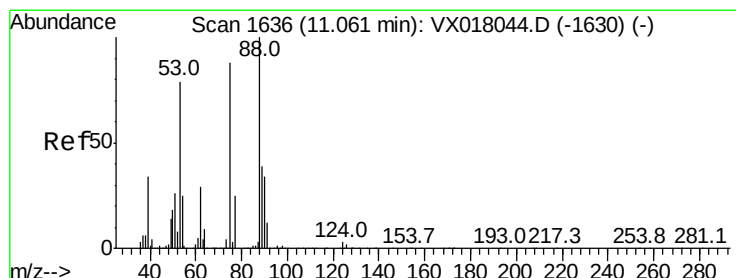
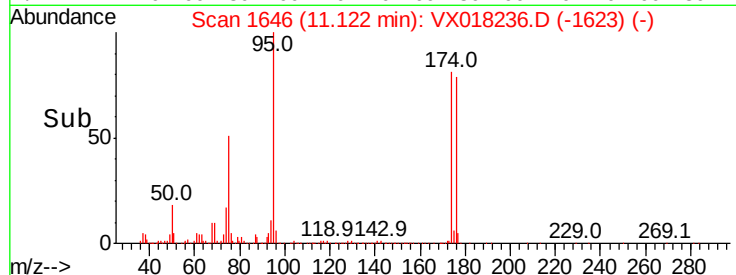
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 60.512 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

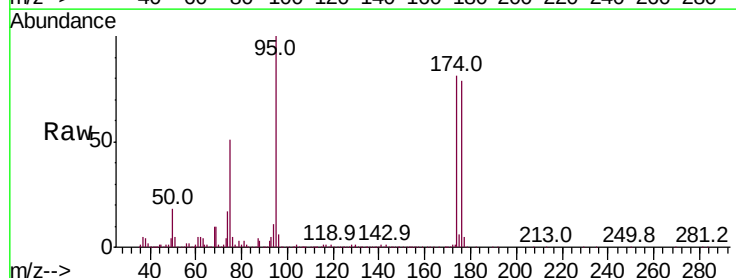
Tgt Ion: 75 Resp: 177011

Ion Ratio Lower Upper

75 100

53 0.2 74.7 112.1#

89 0.0 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

11.12

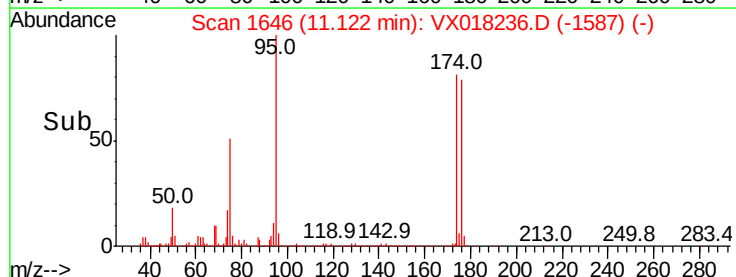
150000

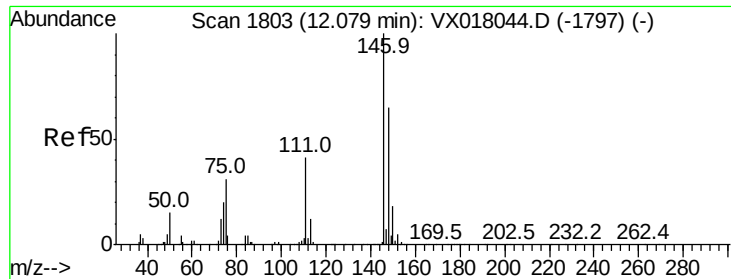
100000

50000

0

Time-->





#88

1,4-Dichlorobenzene

Concen: 0.433 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ123I-20200902

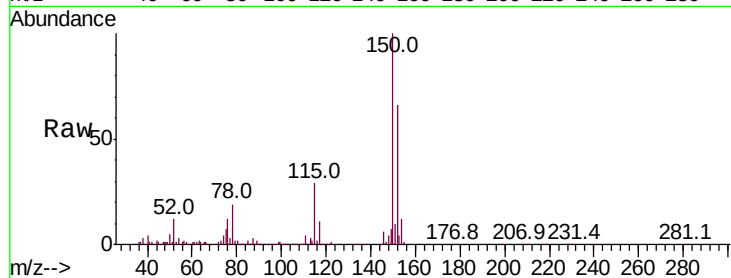
Tot Ion:146 Resp: 4932

Ion Ratio Lower Upper

146 100

111 142.9 20.3 60.8#

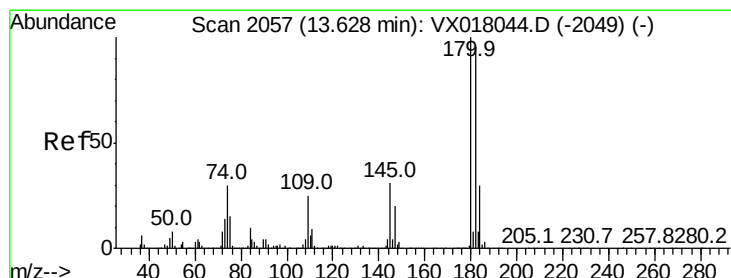
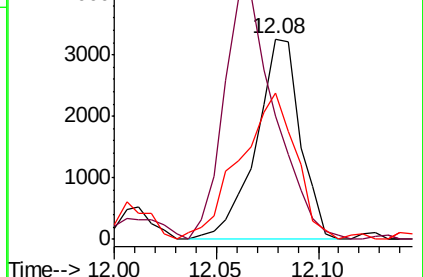
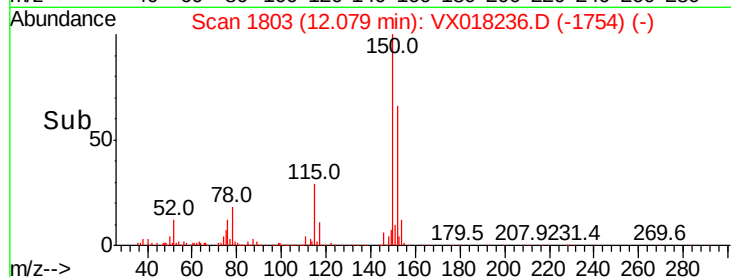
148 93.2 33.1 99.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 0.455 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX018236.D

Acq: 03 Sep 2020 15:44

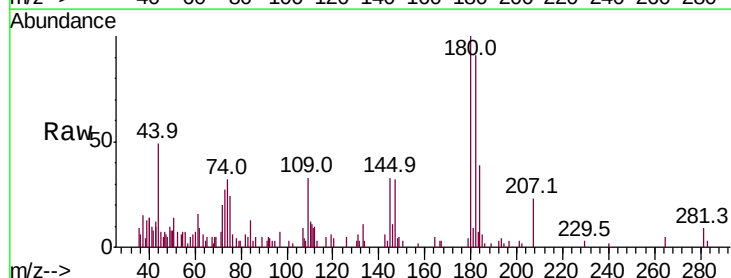
Tgt Ion:180 Resp: 3244

Ion Ratio Lower Upper

180 100

182 85.5 47.5 142.6

145 42.0 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

