

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090320\
 Data File : VX018239.D
 Acq On : 03 Sep 2020 16:52
 Operator : JC/SP
 Sample : L3903-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ122D-20200902

Quant Time: Sep 04 01:22:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	427790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	714462	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	675100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	331173	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	324798	54.69	ug/l	0.00
Spiked Amount			Recovery	=	109.38%	
35) Dibromofluoromethane	5.47	113	254772	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
50) Toluene-d8	8.70	98	870243	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.12	95	322303	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	

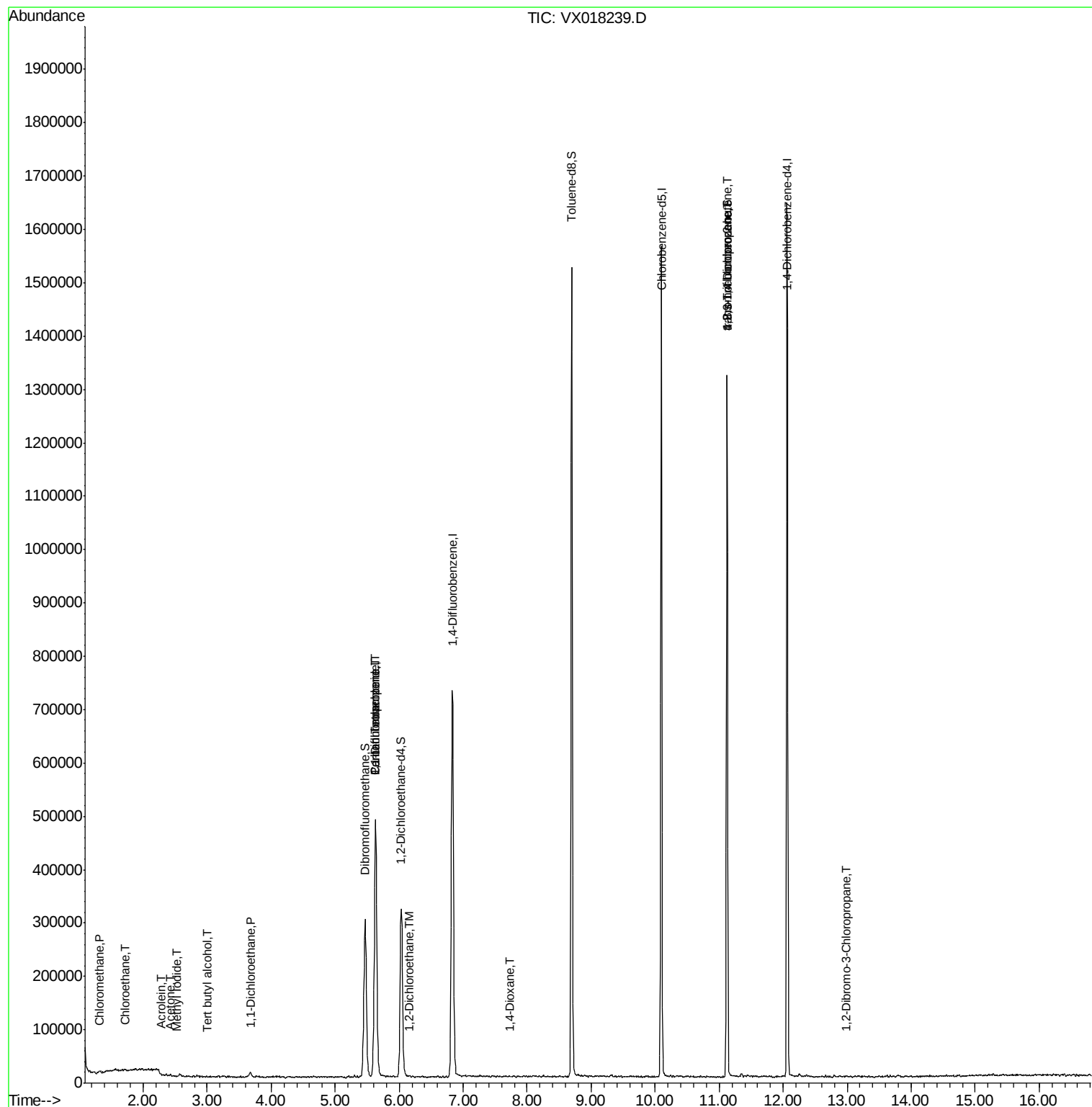
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1656	0.302	ug/l	94
6) Chloroethane	1.71	64	783	0.267	ug/l	94
10) Methyl Iodide	2.51	142	54	5.298	ug/l #	1
11) Tert butyl alcohol	3.00	59	495	0.429	ug/l #	71
13) Acrolein	2.28	56	315	0.658	ug/l #	44
16) Acetone	2.42	43	3239	1.400	ug/l	95
20) Methylene Chloride	2.84	84	833	Below Cal	#	72
24) 1,1-Dichloroethane	3.67	63	9939	1.178	ug/l #	81
36) 1,1-Dichloropropene	5.63	75	35034	5.316	ug/l #	52
38) Carbon Tetrachloride	5.63	117	46644	6.281	ug/l #	18
42) 1,2-Dichloroethane	6.17	62	1603	0.216	ug/l	87
49) 1,4-Dioxane	7.74	88	505	4.530	ug/l #	24
76) 1,2,3-Trichloropropane	11.12	75	172302	23.388	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	172302	63.167	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	415	0.215	ug/l #	13

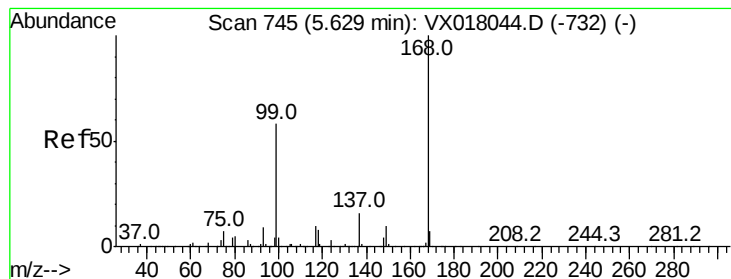
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

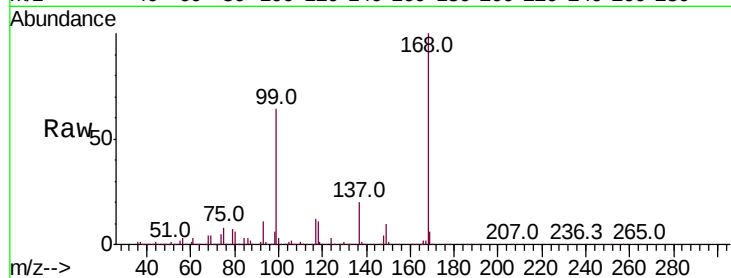
SA-PZ122D-20200902

Tot Ion:168 Resp: 427790

Ion Ratio Lower Upper

168 100

99 63.7 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

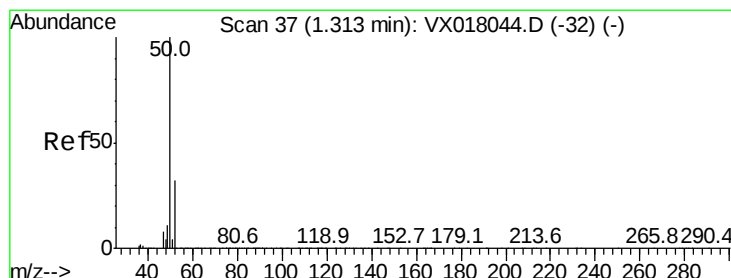
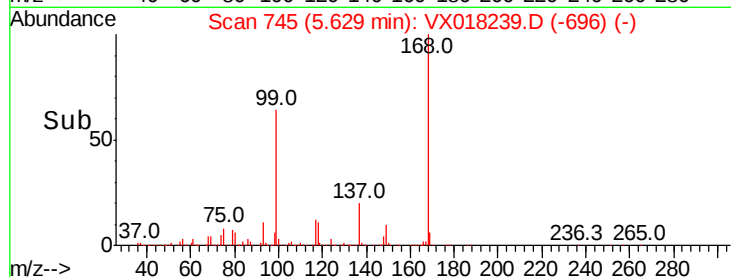
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.302 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018239.D

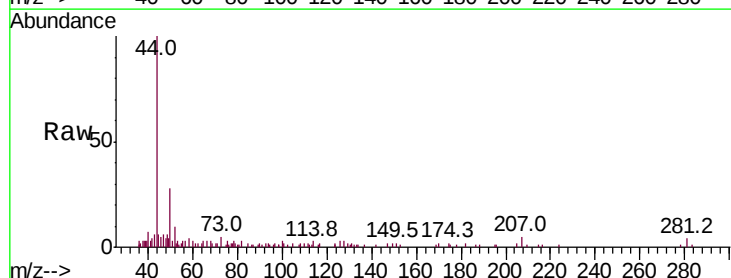
Acq: 03 Sep 2020 16:52

Tgt Ion: 50 Resp: 1656

Ion Ratio Lower Upper

50 100

52 35.1 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

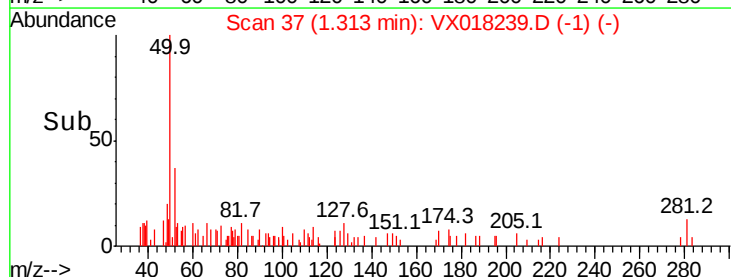
1500

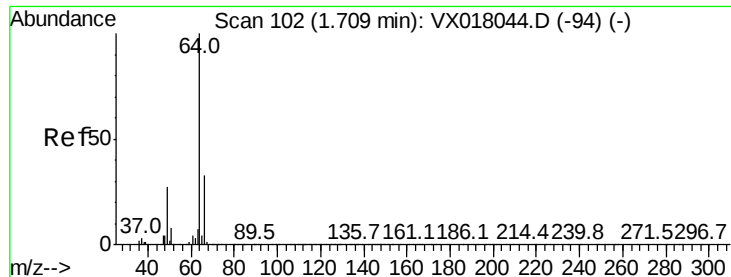
1000

500

0

Time-->





#6

Chloroethane

Concen: 0.267 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

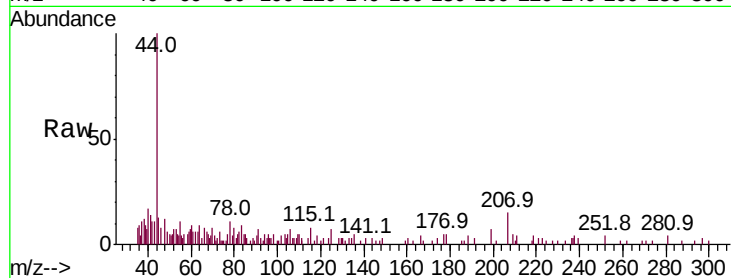
SA-PZ122D-20200902

Tot Ion: 64 Resp: 783

Ion Ratio Lower Upper

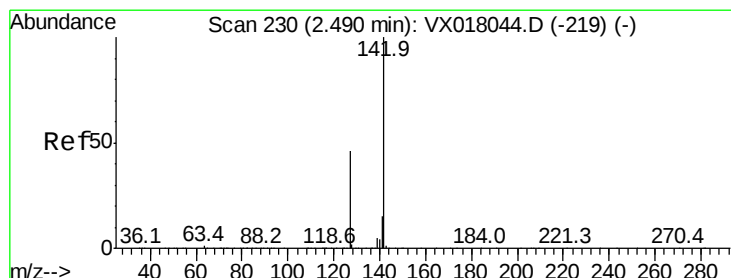
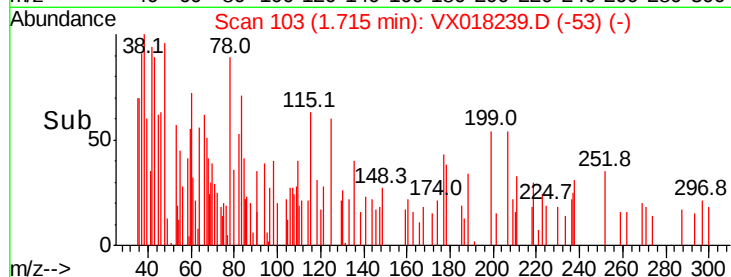
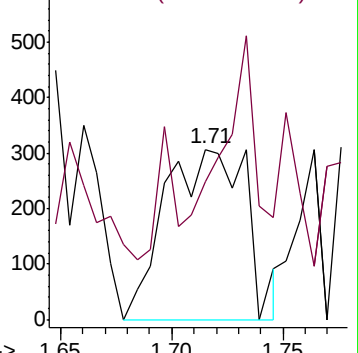
64 100

66 36.6 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.298 ug/l

RT: 2.51 min Scan# 234

Delta R.T. 0.02 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

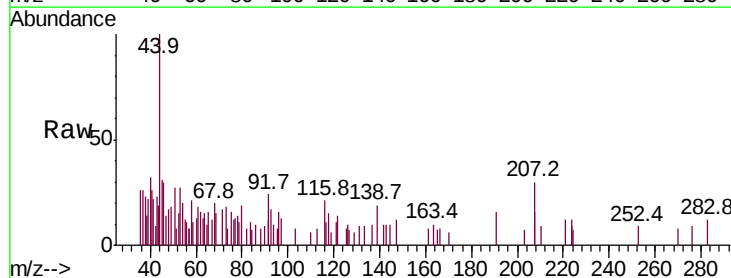
Tgt Ion: 142 Resp: 54

Ion Ratio Lower Upper

142 100

127 316.7 37.0 55.6#

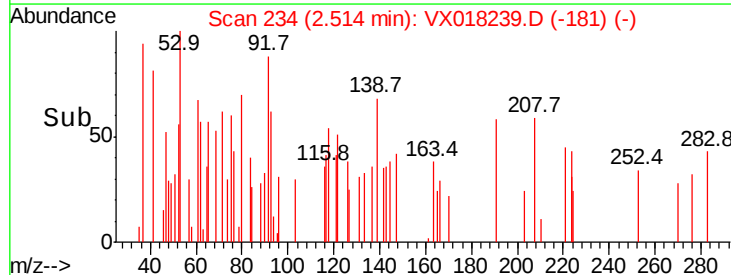
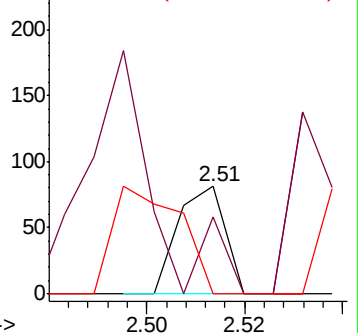
141 142.6 11.5 17.3#

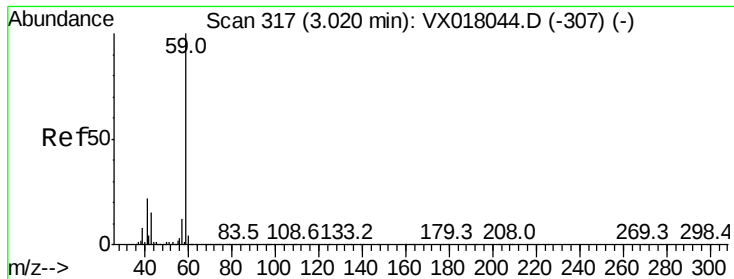


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



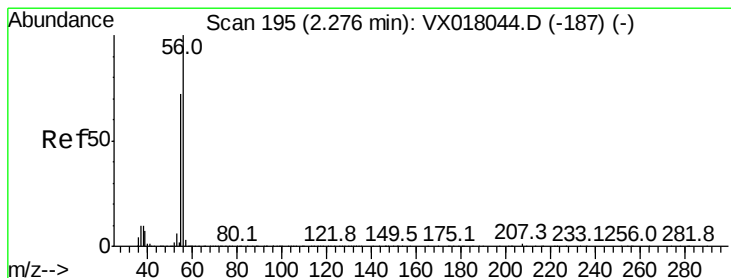
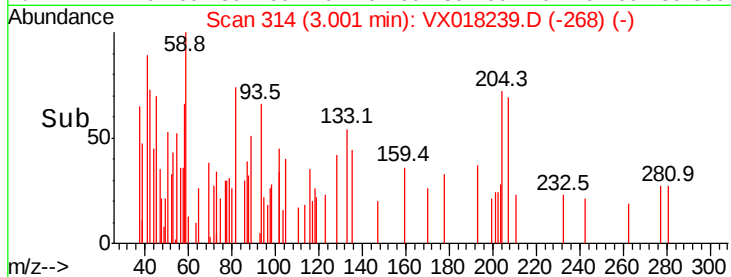
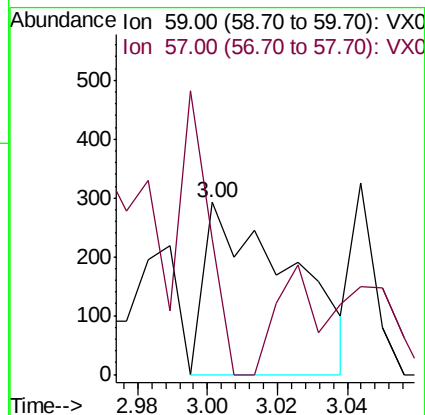
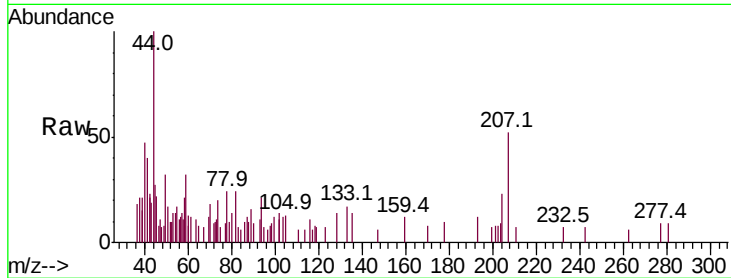


#11

Tert butyl alcohol
Concen: 0.429 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018239.D
Acq: 03 Sep 2020 16:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ122D-20200902

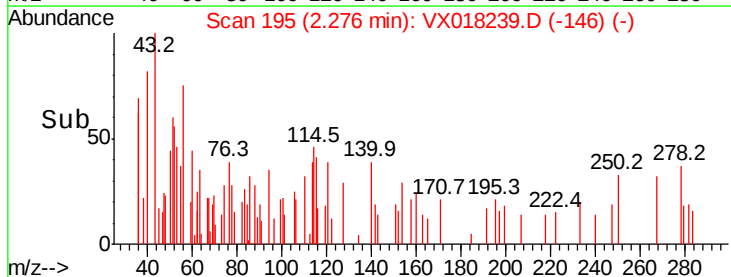
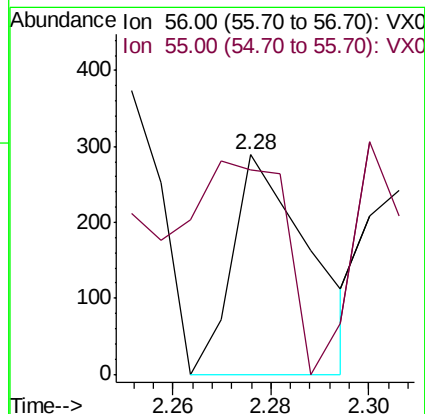
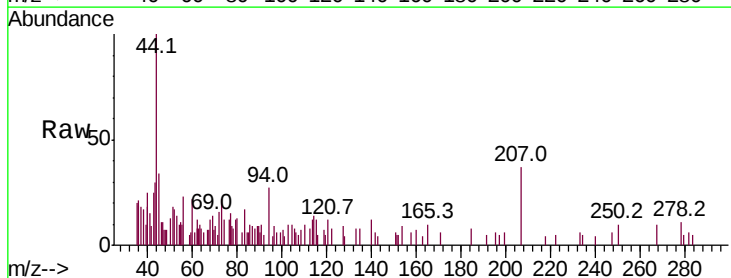
Tot Ion: 59 Resp: 495
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

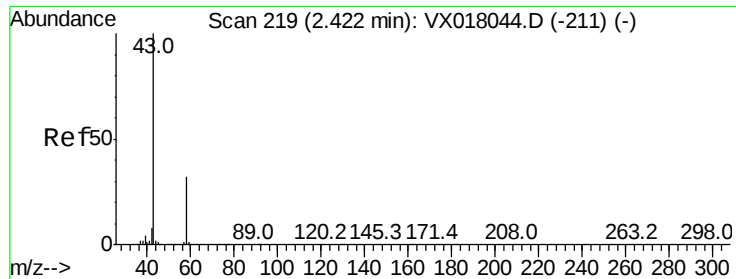


#13

Acrolein
Concen: 0.658 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018239.D
Acq: 03 Sep 2020 16:52

Tgt Ion: 56 Resp: 315
Ion Ratio Lower Upper
56 100
55 118.1 57.0 85.6#





#16

Acetone

Concen: 1.400 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

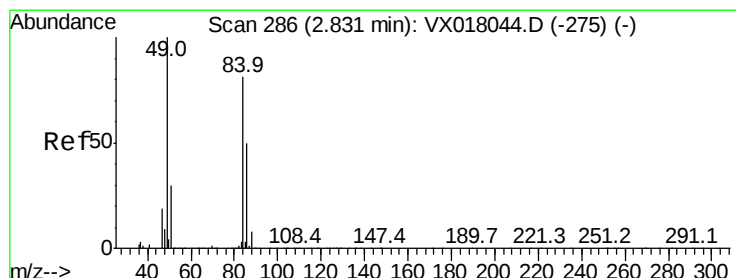
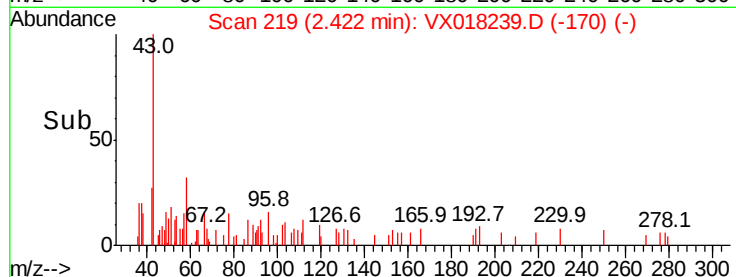
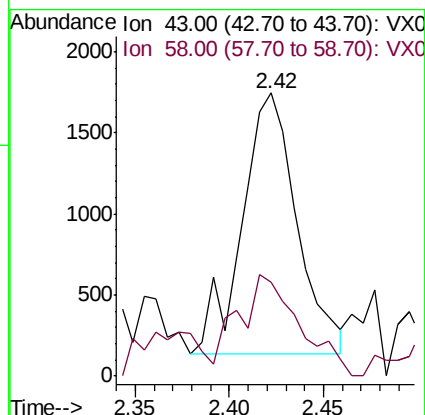
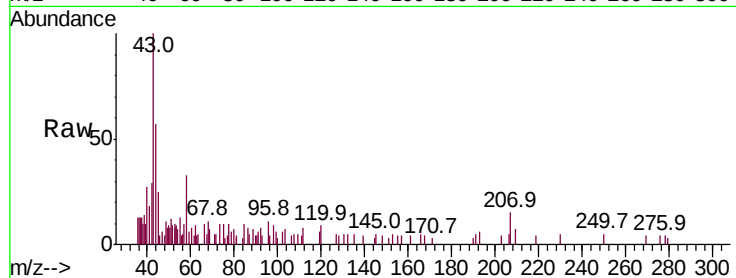
SA-PZ122D-20200902

Tot Ion: 43 Resp: 3239

Ion Ratio Lower Upper

43 100

58 29.3 25.5 38.3



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

Tgt Ion: 84 Resp: 833

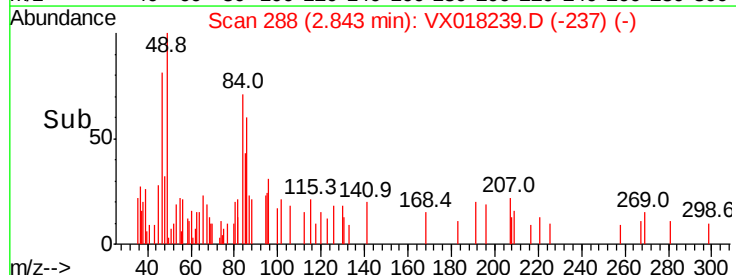
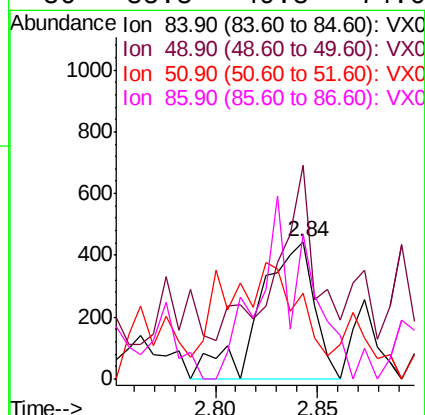
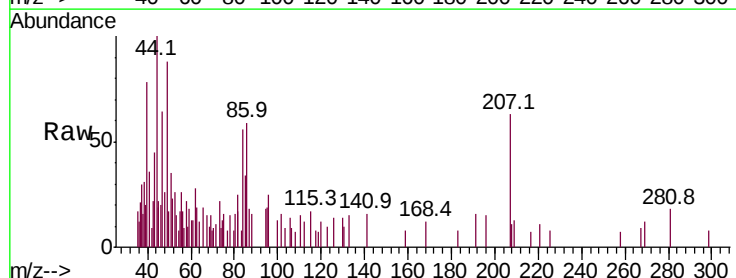
Ion Ratio Lower Upper

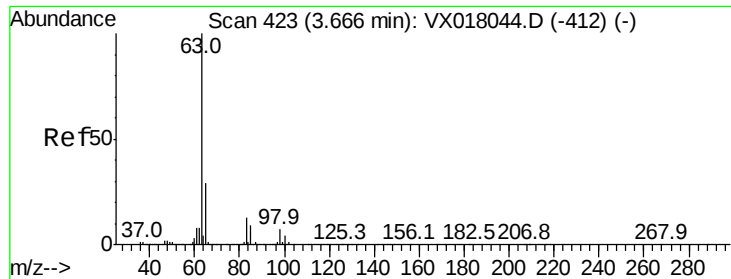
84 100

49 112.4 98.6 148.0

51 87.6 29.6 44.4#

86 85.8 49.8 74.6#





#24

1,1-Dichloroethane

Concen: 1.178 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ122D-20200902

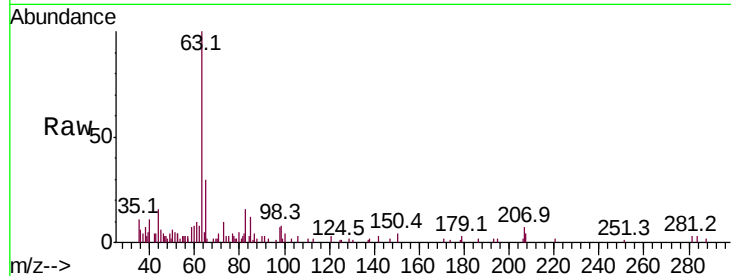
Tot Ion: 63 Resp: 9939

Ion Ratio Lower Upper

63 100

98 15.6 3.6 10.8#

100 1.2 2.0 6.0#



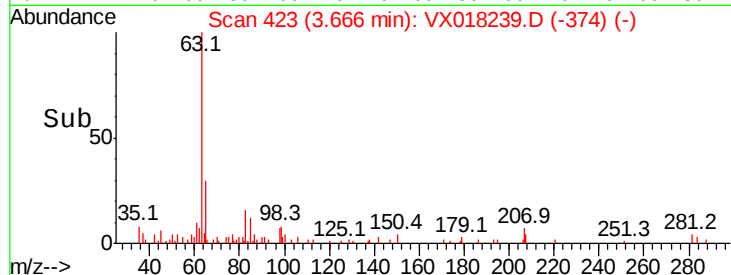
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

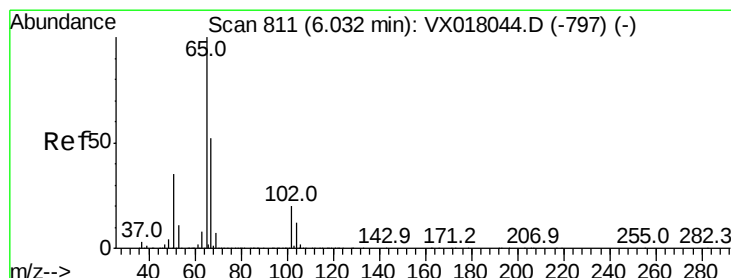
Ion 99.90 (99.60 to 100.60): VX0

3.67

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.691 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018239.D

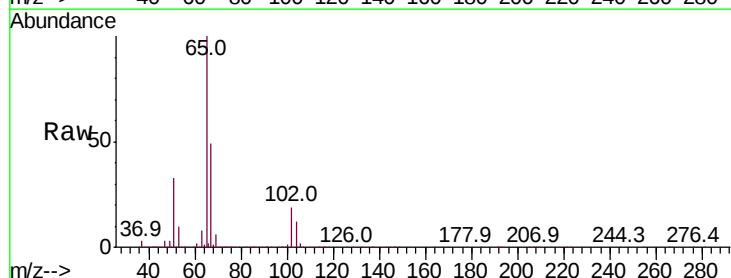
Acq: 03 Sep 2020 16:52

Tgt Ion: 65 Resp: 324798

Ion Ratio Lower Upper

65 100

67 49.7 0.0 105.8

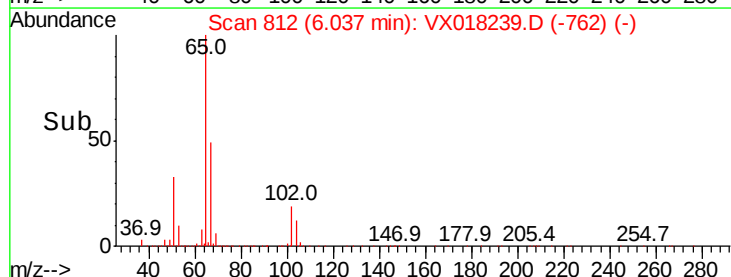


Abundance Ion 64.90 (64.60 to 65.60): VX0

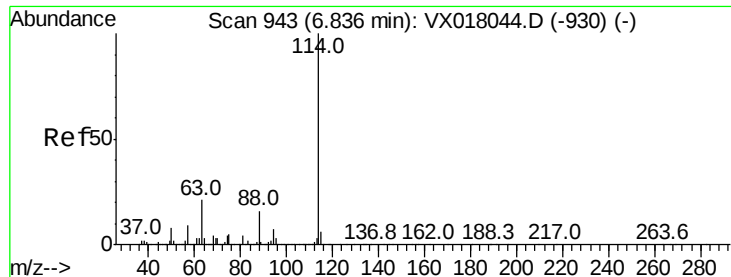
Ion 66.90 (66.60 to 67.60): VX0

6.04

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ122D-20200902

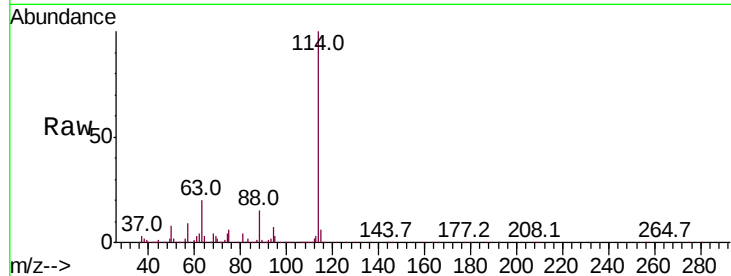
Tot Ion:114 Resp: 714462

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

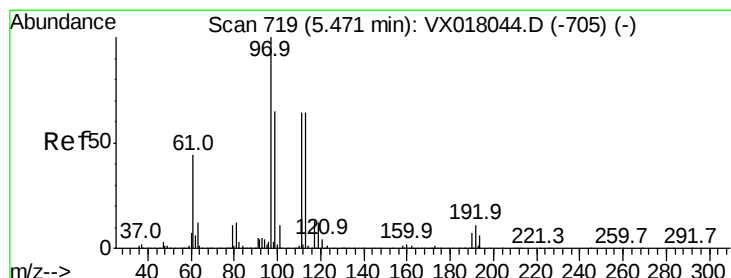
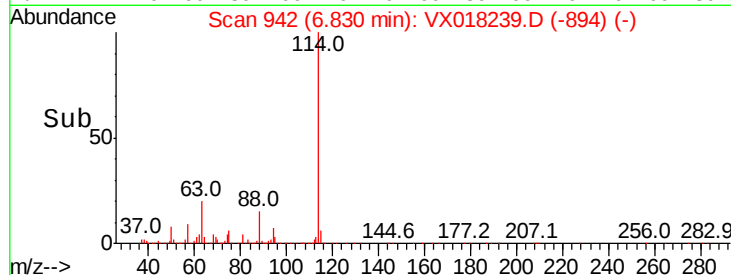
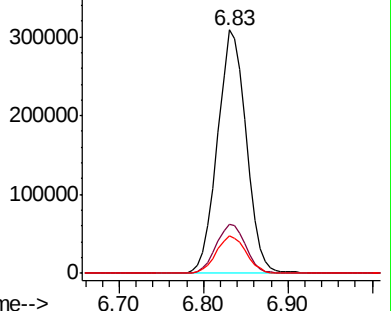
88 15.2 0.0 31.8



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: 52.359 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

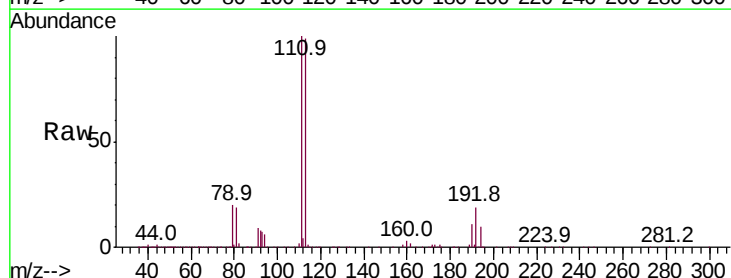
Tgt Ion:113 Resp: 254772

Ion Ratio Lower Upper

113 100

111 101.2 81.6 122.4

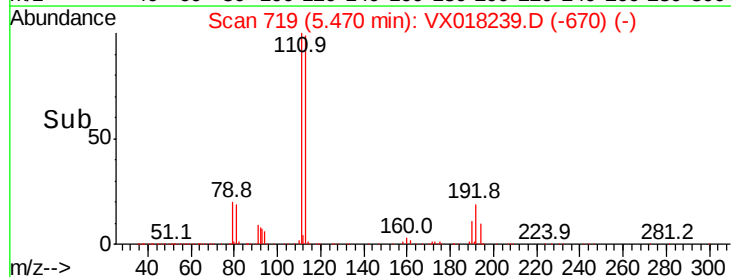
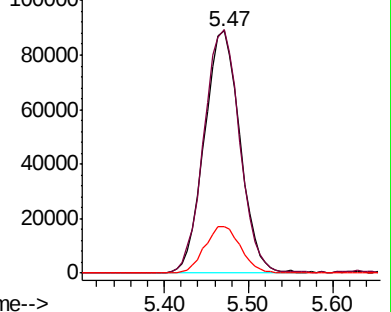
192 19.4 15.8 23.8

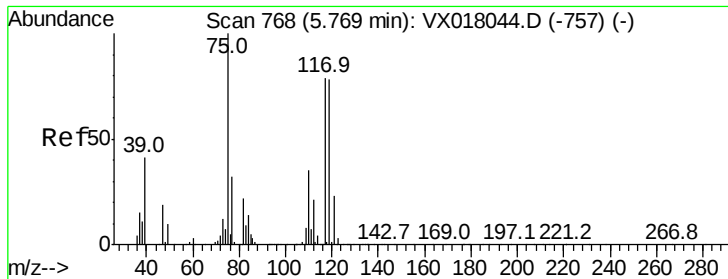


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.316 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ122D-20200902

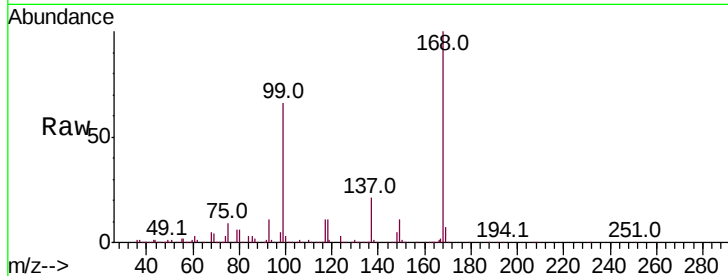
Tot Ion: 75 Resp: 35034

Ion Ratio Lower Upper

75 100

110 11.0 18.0 54.0#

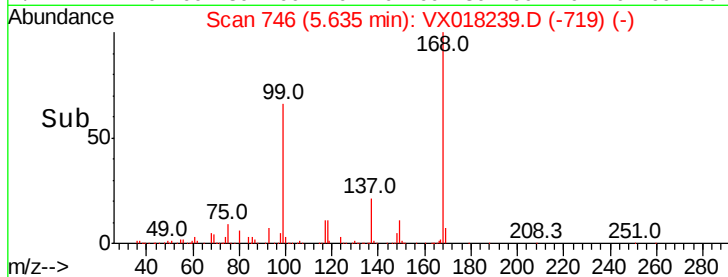
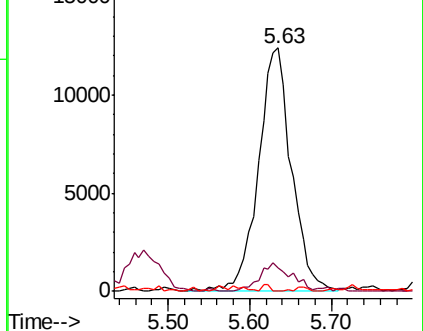
77 0.7 24.4 36.6#



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: 6.281 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

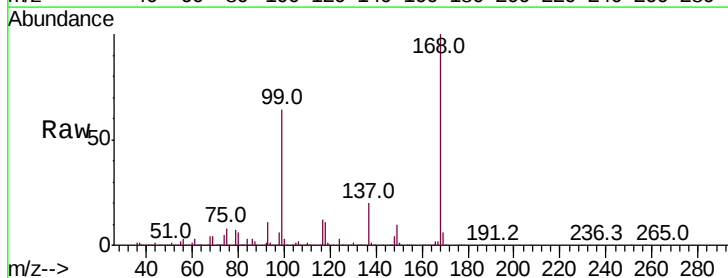
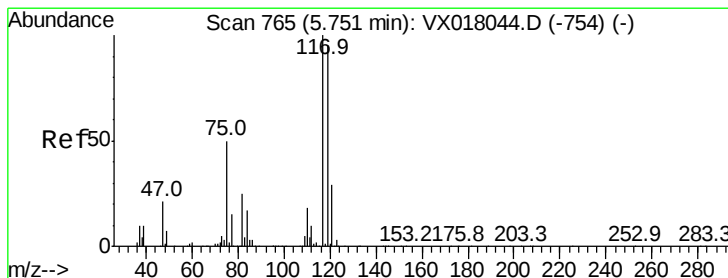
Tgt Ion: 117 Resp: 46644

Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

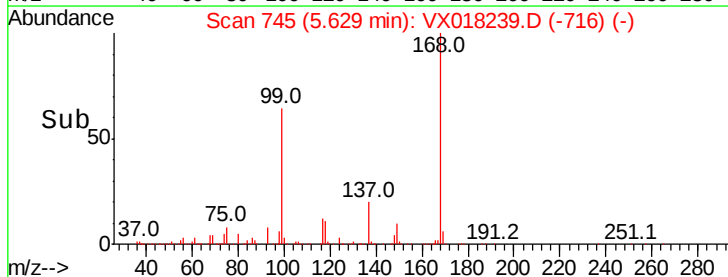
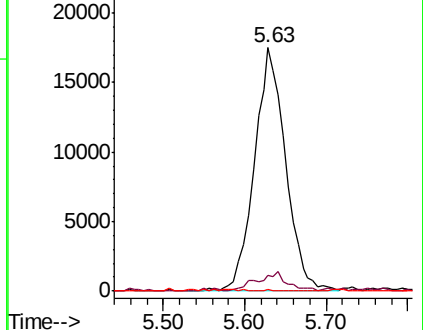
121 0.0 23.4 35.0#

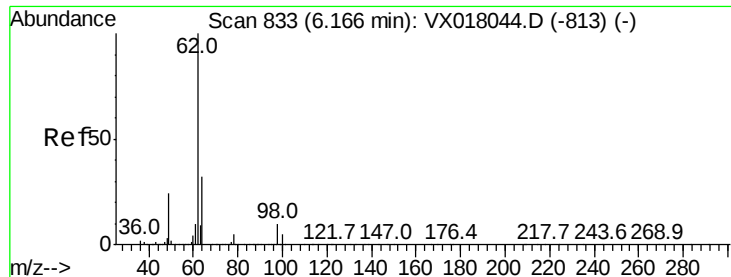


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#42

1,2-Dichloroethane

Concen: 0.216 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

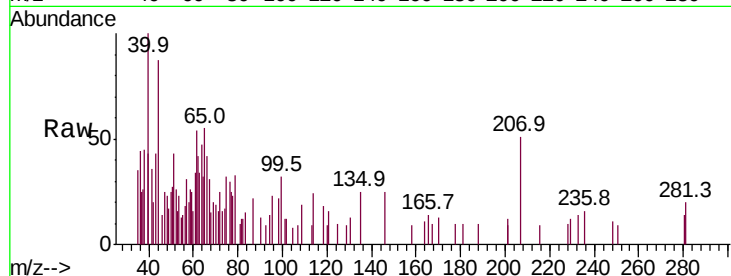
SA-PZ122D-20200902

Tot Ion: 62 Resp: 1603

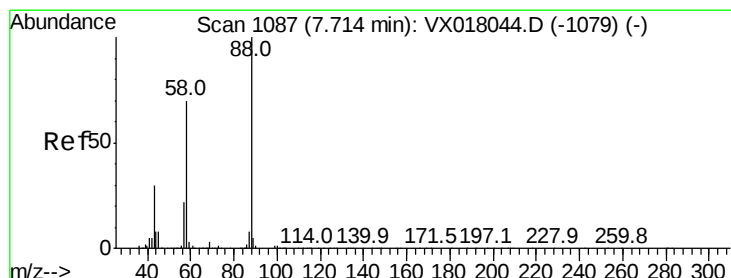
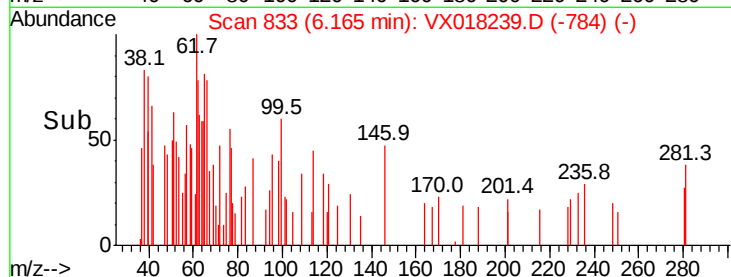
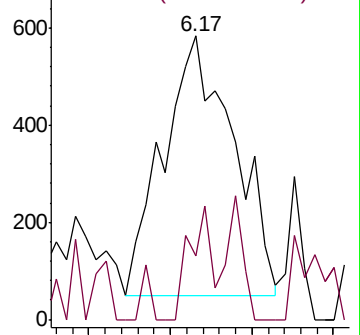
Ion Ratio Lower Upper

62 100

98 13.8 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0



#49

1,4-Dioxane

Concen: 4.530 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

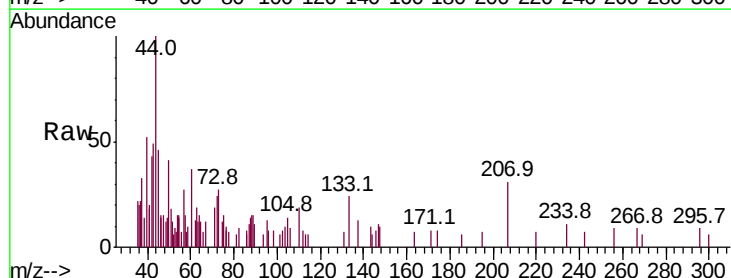
Tgt Ion: 88 Resp: 505

Ion Ratio Lower Upper

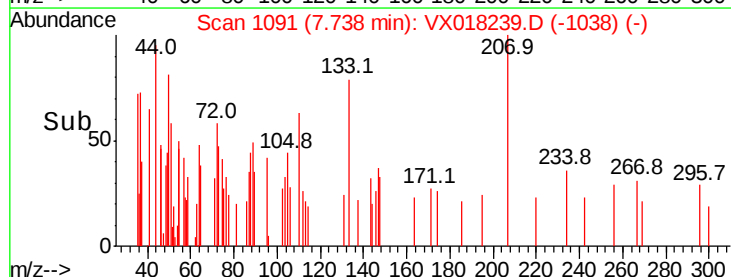
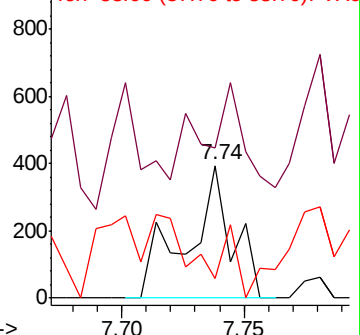
88 100

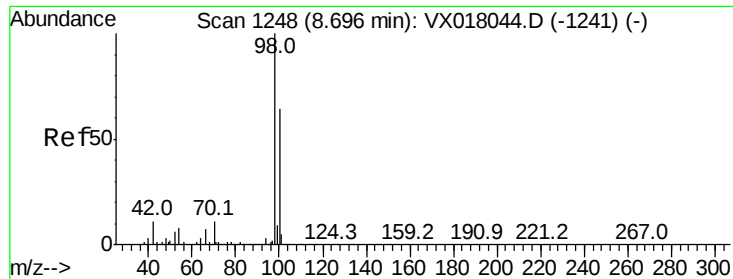
43 66.3 27.4 41.0#

58 0.0 56.4 84.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0





#50

Toluene-d8

Concen: 48.019 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

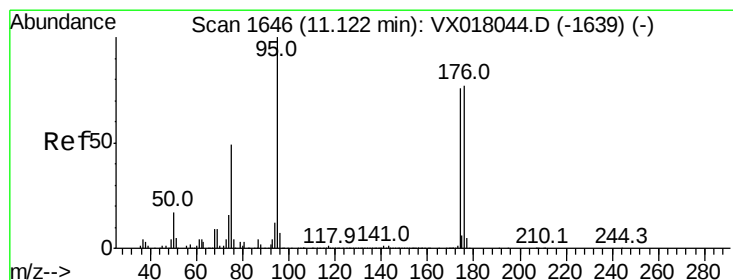
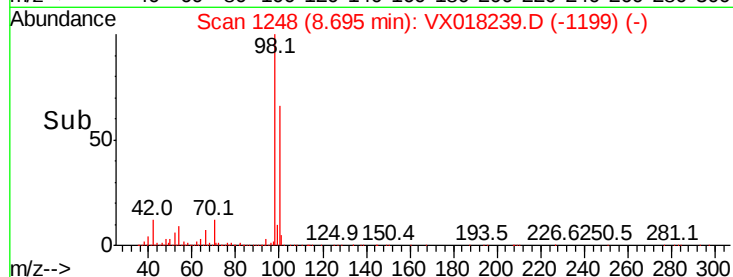
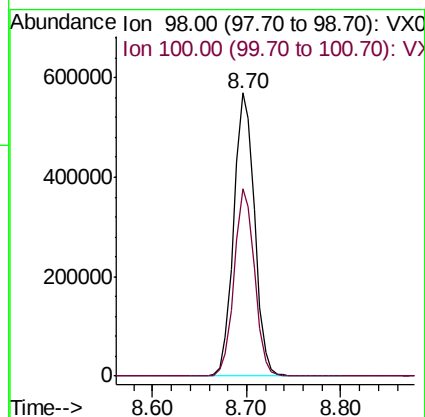
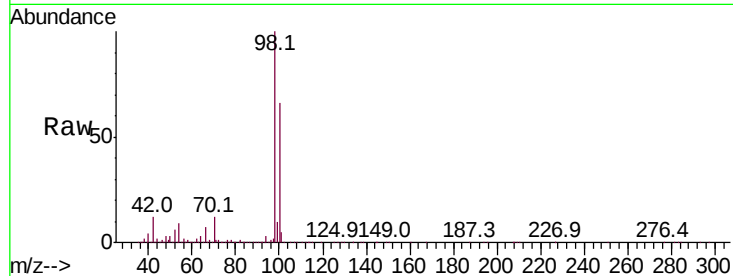
SA-PZ122D-20200902

Tot Ion: 98 Resp: 870243

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 45.202 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

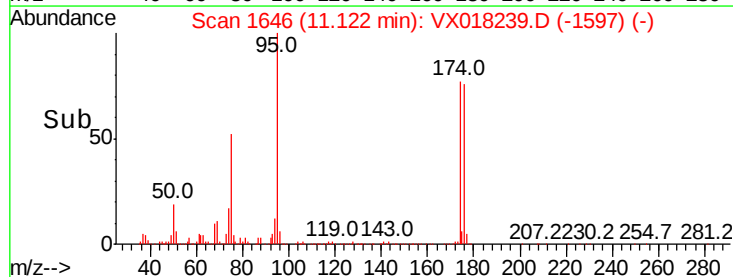
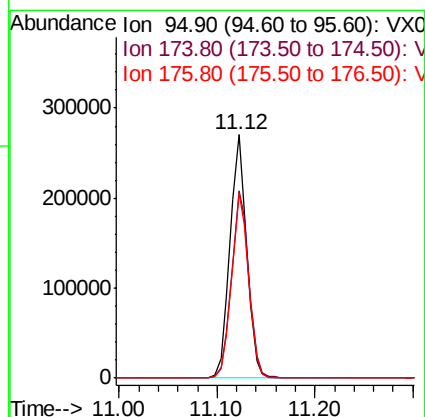
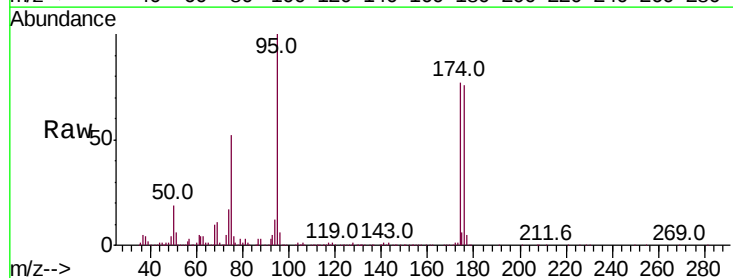
Tgt Ion: 95 Resp: 322303

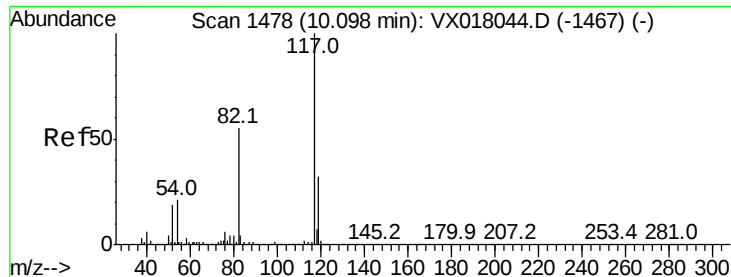
Ion Ratio Lower Upper

95 100

174 79.6 0.0 160.2

176 76.7 0.0 155.8

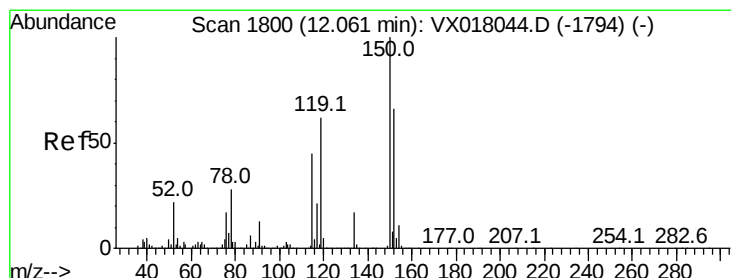
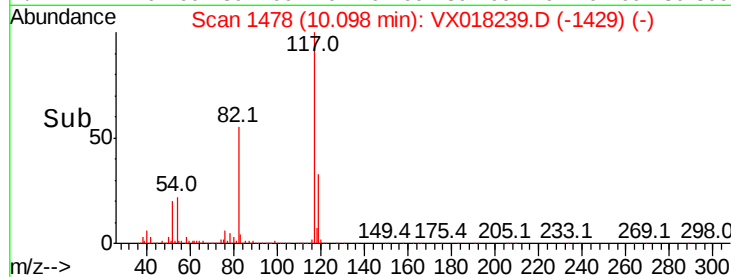
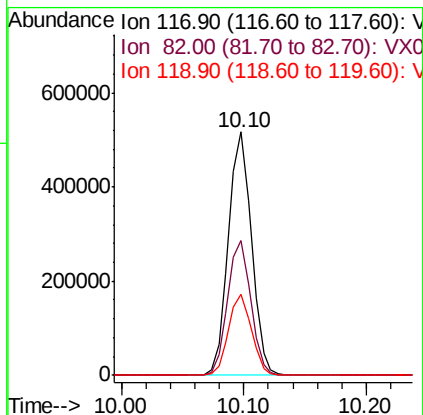
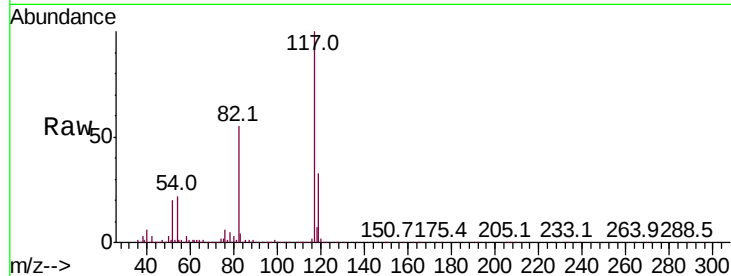




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018239.D
Acq: 03 Sep 2020 16:52

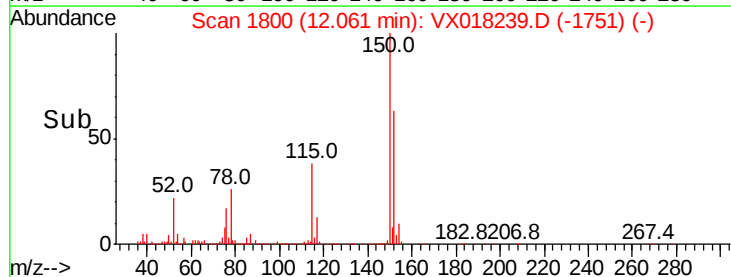
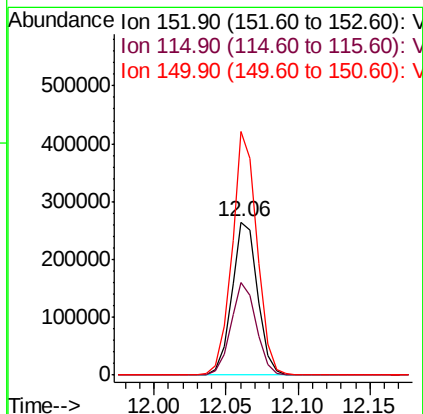
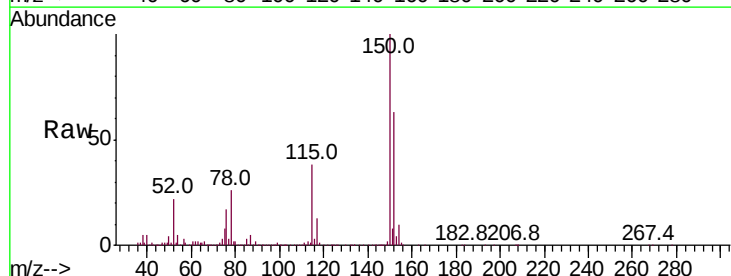
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ122D-20200902

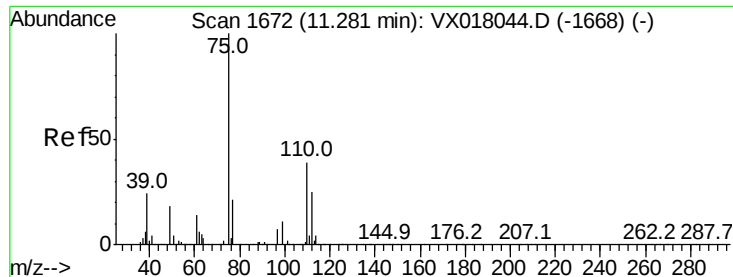
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.2	66.2
119	33.1	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018239.D
Acq: 03 Sep 2020 16:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	41.5	124.5
150	154.0	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.388 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

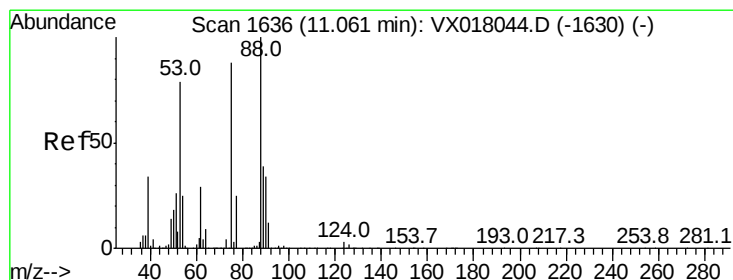
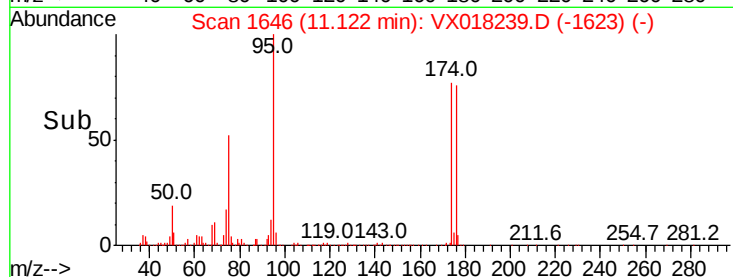
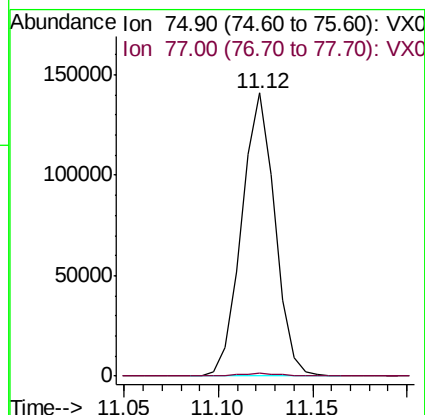
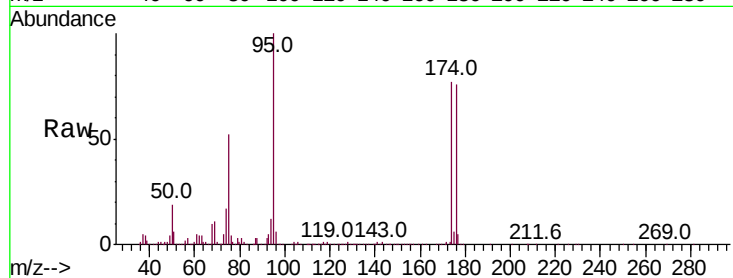
SA-PZ122D-20200902

Tot Ion: 75 Resp: 172302

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.167 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

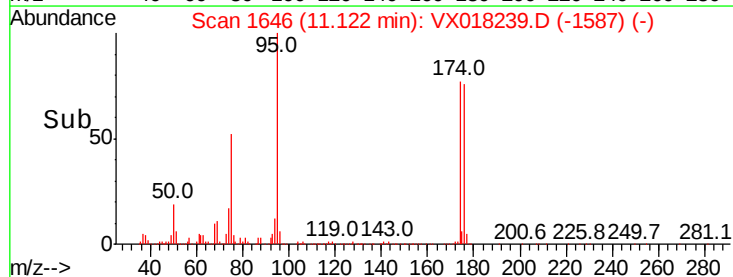
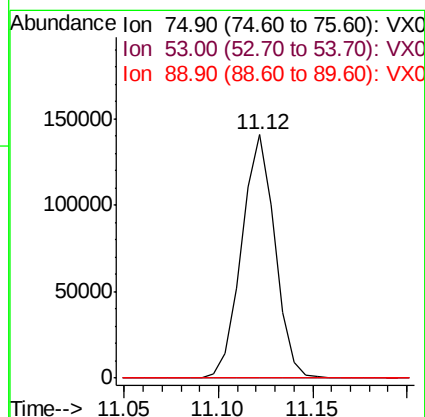
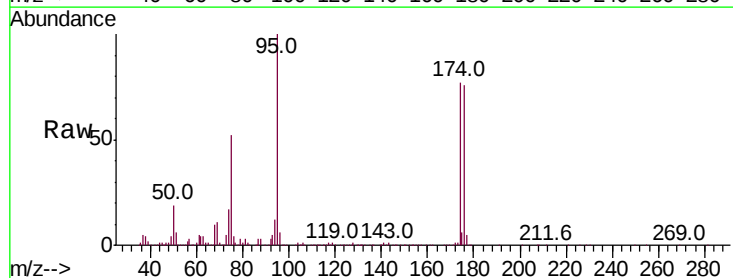
Tgt Ion: 75 Resp: 172302

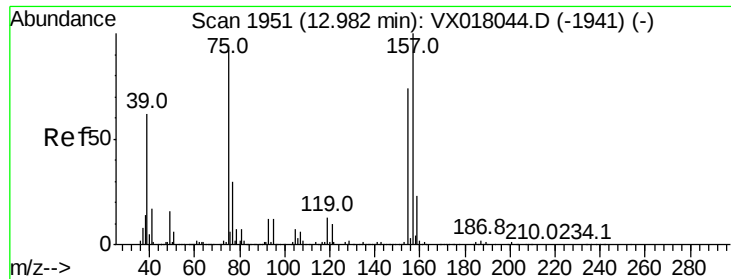
Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.1 36.6 54.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.215 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX018239.D

Acq: 03 Sep 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ122D-20200902

Tot Ion: 75 Resp: 415

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 20.7 55.0 165.2#

