

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090320\
 Data File : VX018240.D
 Acq On : 03 Sep 2020 17:15
 Operator : JC/SP
 Sample : L3903-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ183I-20200902

Quant Time: Sep 04 01:22:22 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	434722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	703630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	667121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	328052	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	316029	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
35) Dibromofluoromethane	5.46	113	247720	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
50) Toluene-d8	8.70	98	851736	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	11.12	95	322907	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

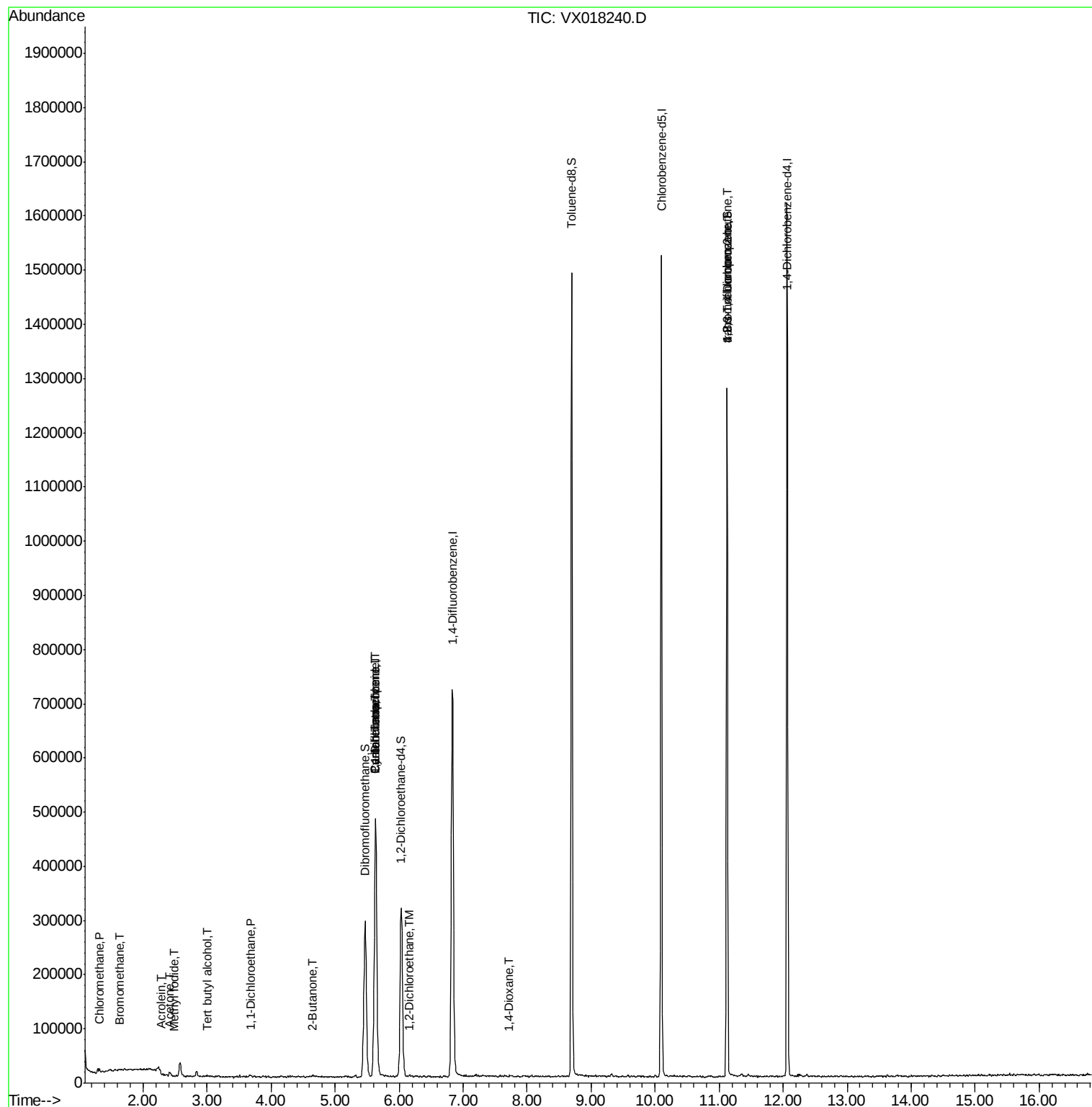
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	4996	0.895	ug/l	93
5) Bromomethane	1.64	94	930	0.347	ug/l #	10
10) Methyl Iodide	2.49	142	160	5.319	ug/l #	45
11) Tert butyl alcohol	3.00	59	618	0.527	ug/l #	1
13) Acrolein	2.28	56	449	0.923	ug/l #	68
16) Acetone	2.42	43	7989	3.397	ug/l	90
20) Methylene Chloride	2.84	84	4717	Below Cal	#	95
24) 1,1-Dichloroethane	3.67	63	2961	0.345	ug/l #	83
25) 2-Butanone	4.65	43	883	0.228	ug/l	98
31) Cyclohexane	5.64	56	10154	1.406	ug/l #	21
36) 1,1-Dichloropropene	5.64	75	34391	5.299	ug/l #	52
38) Carbon Tetrachloride	5.63	117	45412	6.209	ug/l #	18
42) 1,2-Dichloroethane	6.17	62	1479	0.202	ug/l	95
49) 1,4-Dioxane	7.71	88	273	2.487	ug/l #	23
76) 1,2,3-Trichloropropane	11.12	75	166888	22.869	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	166888	61.765	ug/l #	12

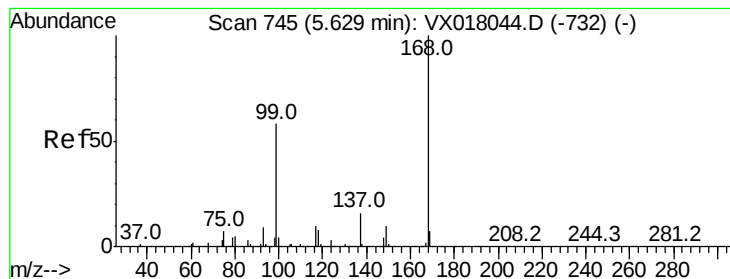
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
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: VX018240.D

Acq: 03 Sep 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

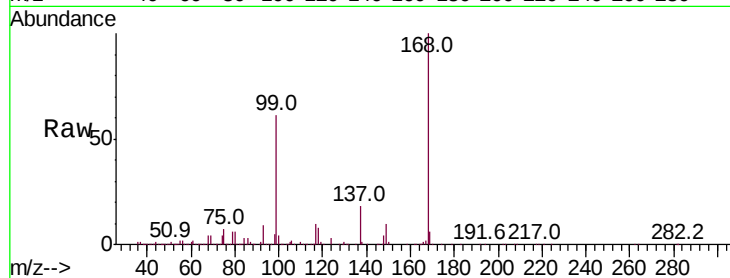
SA-PZ183I-20200902

Tot Ion:168 Resp: 434722

Ion Ratio Lower Upper

168 100

99 60.9 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

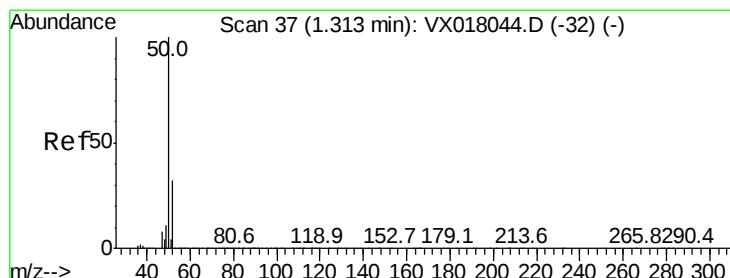
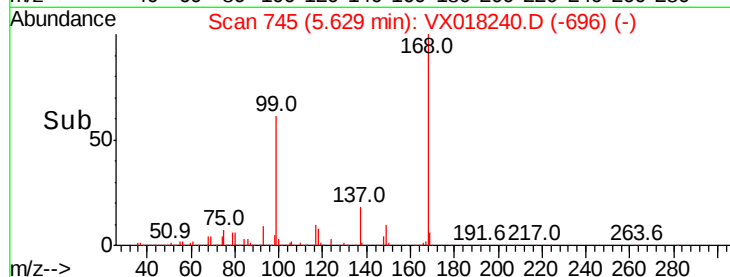
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.895 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018240.D

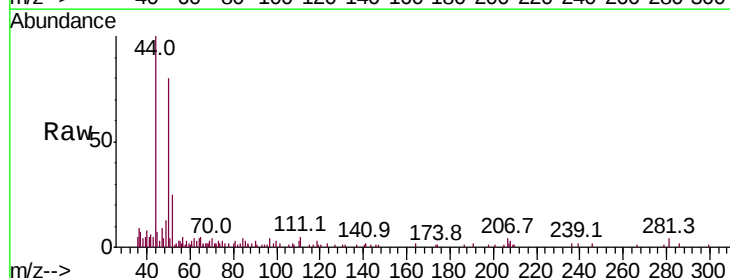
Acq: 03 Sep 2020 17:15

Tgt Ion: 50 Resp: 4996

Ion Ratio Lower Upper

50 100

52 28.0 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

5000

4000

3000

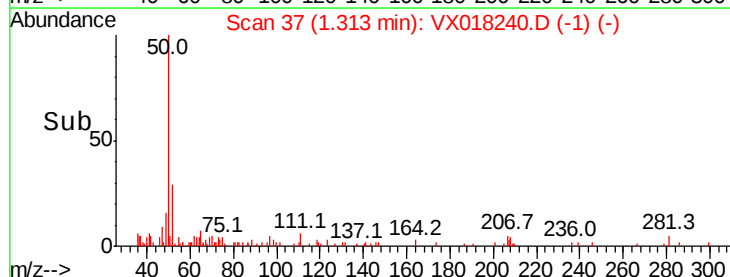
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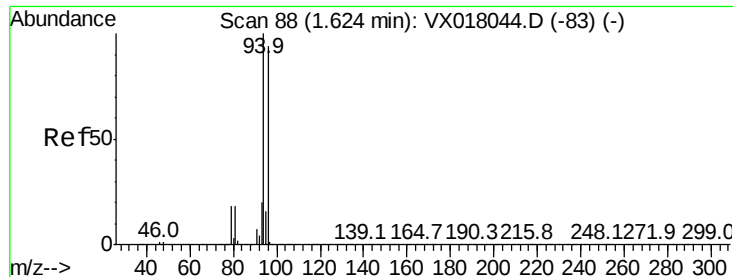
1000

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.347 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018240.D

Acq: 03 Sep 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

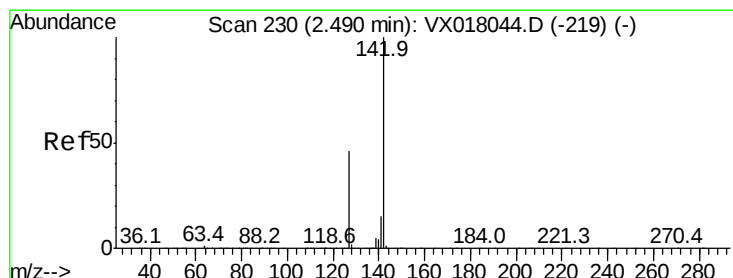
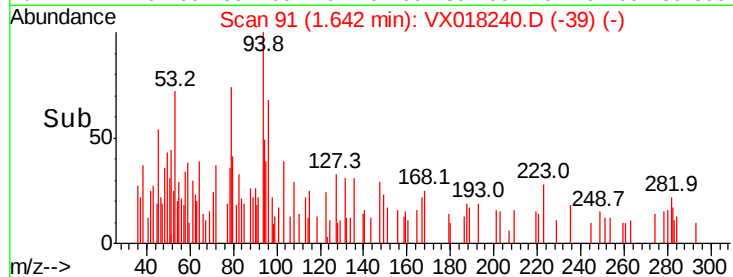
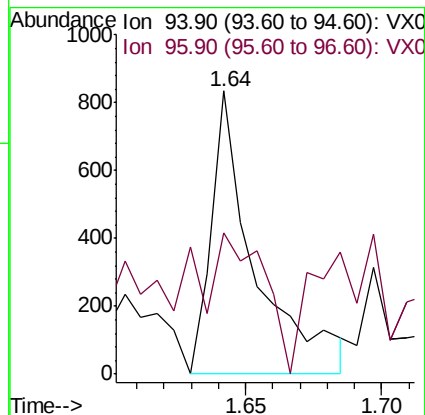
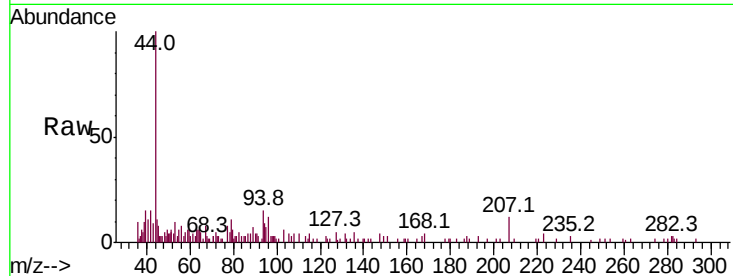
SA-PZ1831-20200902

Tot Ion: 94 Resp: 930

Ion Ratio Lower Upper

94 100

96 6.8 74.8 112.2#



#10

Methyl Iodide

Concen: 5.319 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018240.D

Acq: 03 Sep 2020 17:15

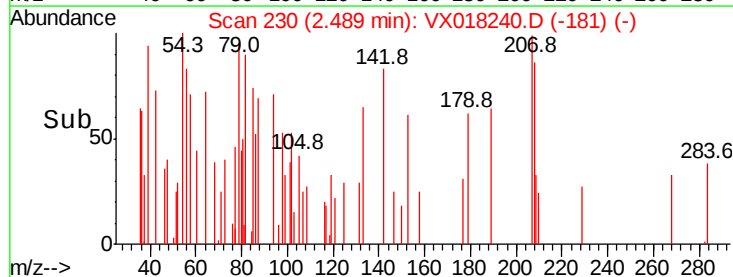
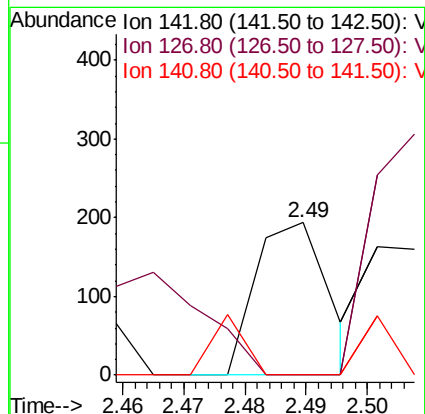
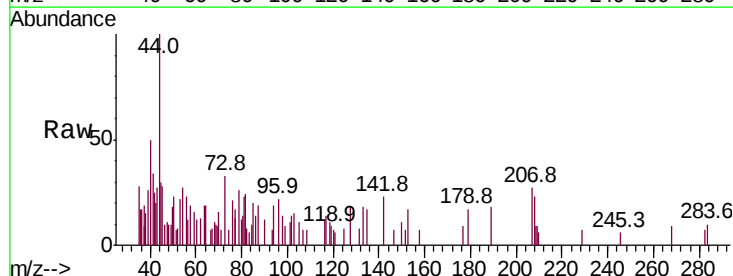
Tgt Ion: 142 Resp: 160

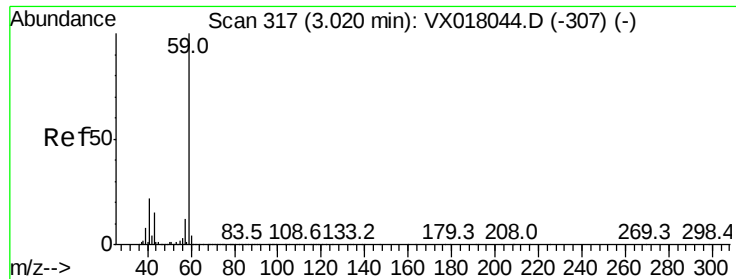
Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

141 17.5 11.5 17.3#





#11

Tert butyl alcohol

Concen: 0.527 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

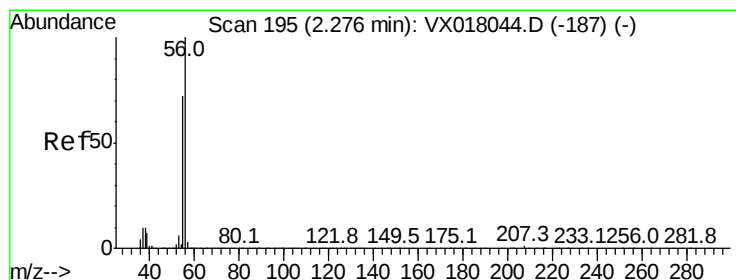
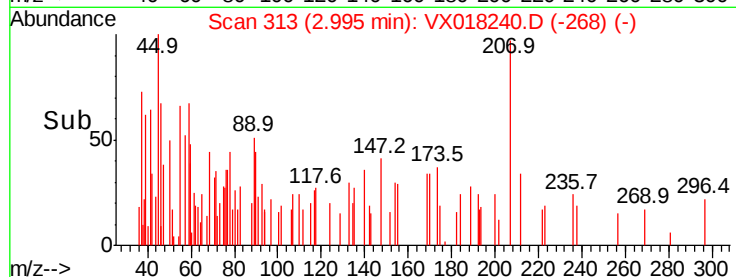
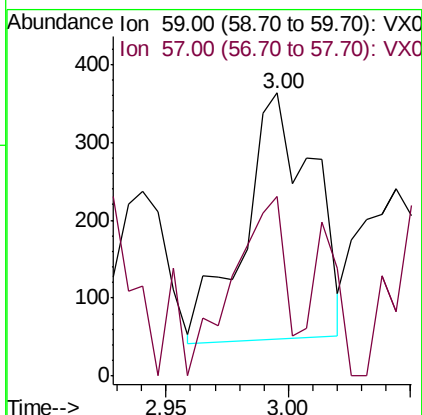
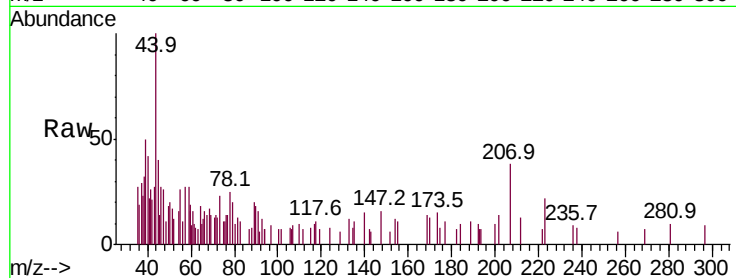
Lab File: VX018240.D

Acq: 03 Sep 2020 17:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ183I-20200902

Tot Ion: 59 Resp: 618

Ion	Ratio	Lower	Upper
59	100		
57	55.0	8.9	13.3#



#13

Acrolein

Concen: 0.923 ug/l

RT: 2.28 min Scan# 196

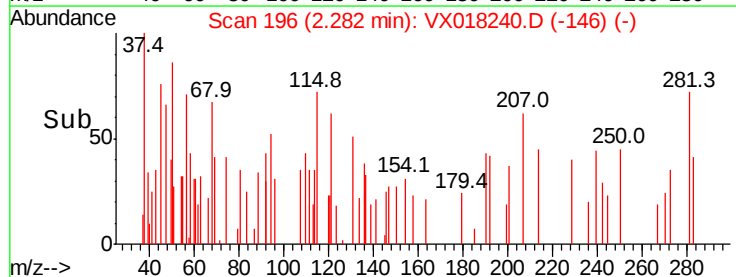
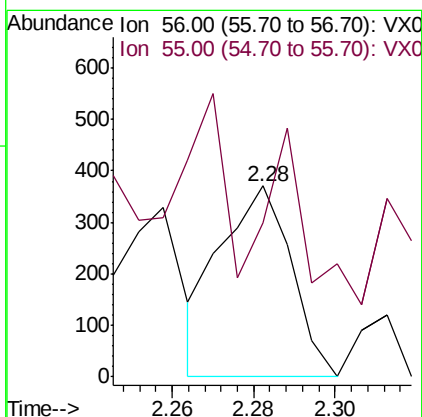
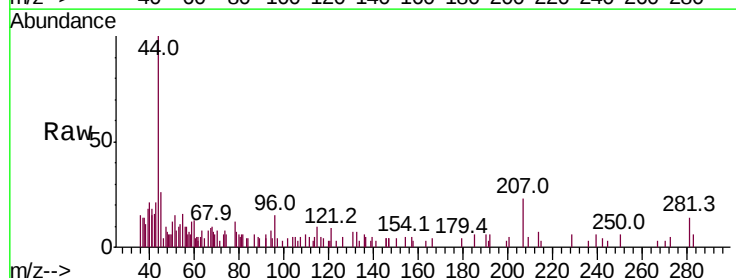
Delta R.T. 0.01 min

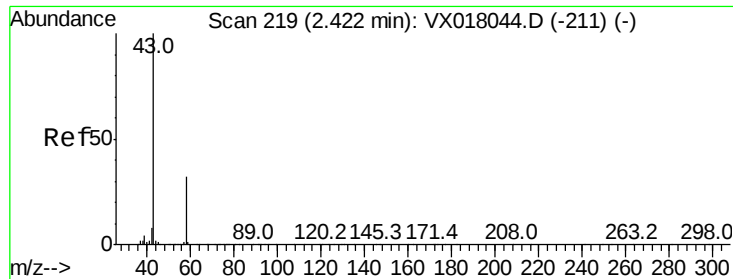
Lab File: VX018240.D

Acq: 03 Sep 2020 17:15

Tgt Ion: 56 Resp: 449

Ion	Ratio	Lower	Upper
56	100		
55	44.5	57.0	85.6#

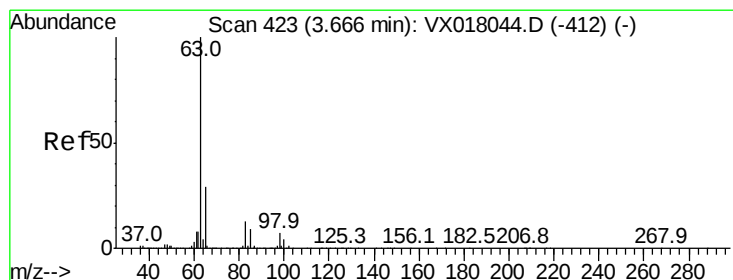
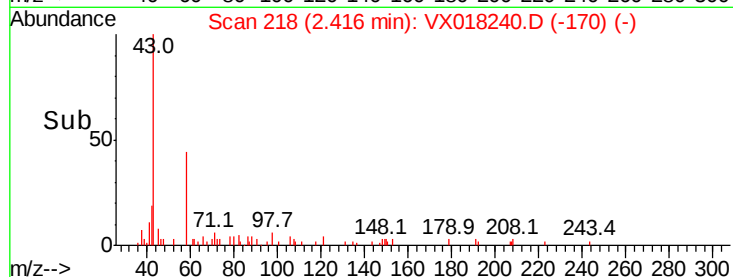
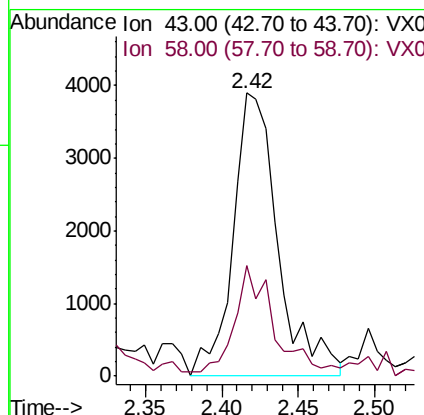
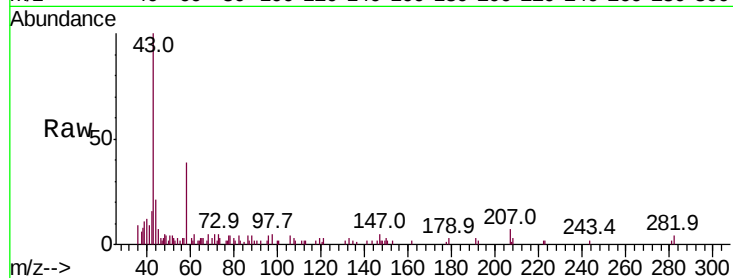




#16
Acetone
Concen: 3.397 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018240.D
Acq: 03 Sep 2020 17:15

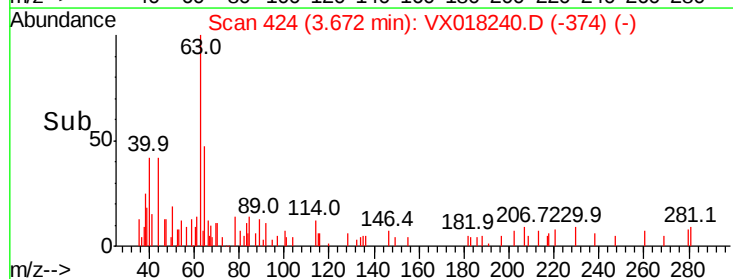
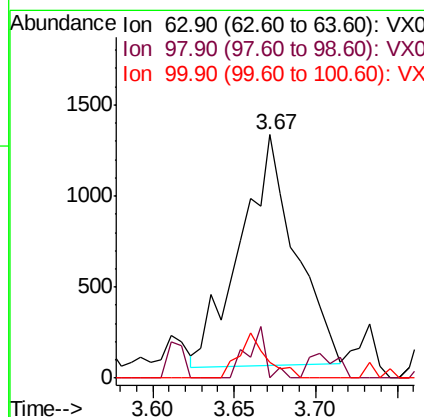
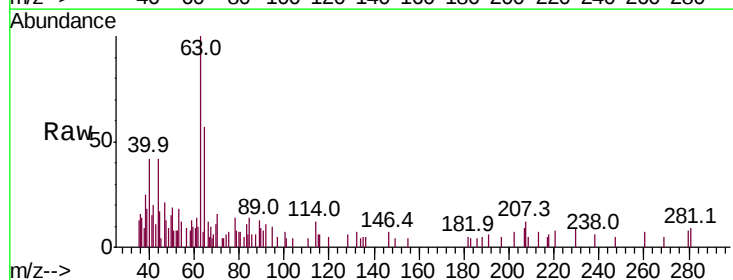
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ183I-20200902

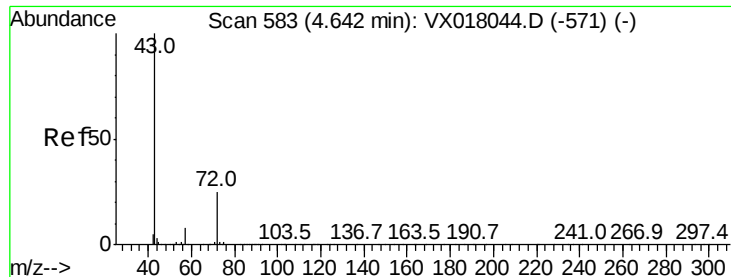
Tot Ion: 43 Resp: 7989
Ion Ratio Lower Upper
43 100
58 37.4 25.5 38.3



#24
1,1-Dichloroethane
Concen: 0.345 ug/l
RT: 3.67 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX018240.D
Acq: 03 Sep 2020 17:15

Tgt Ion: 63 Resp: 2961
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 7.0 2.0 6.0#

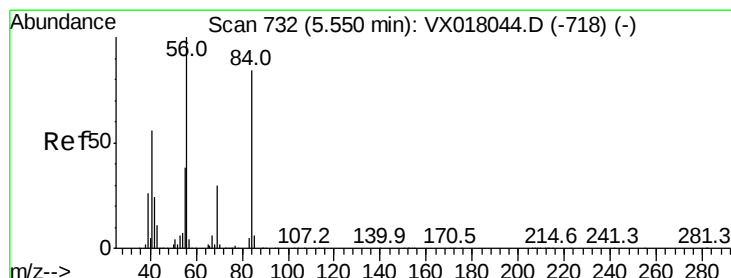
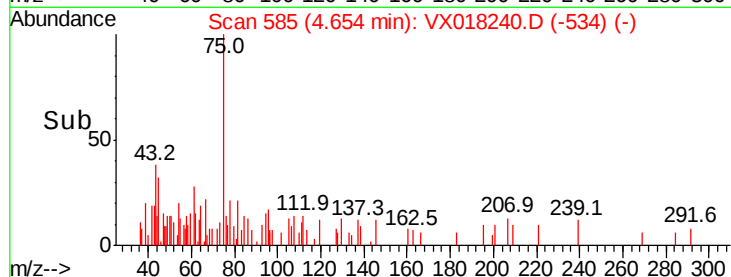
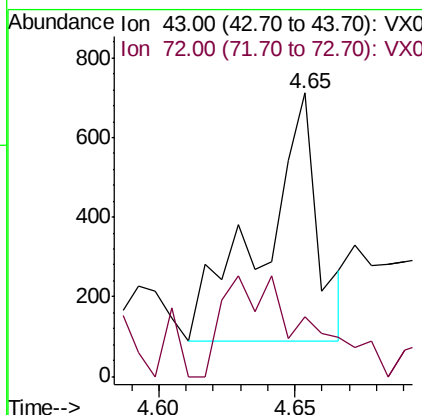
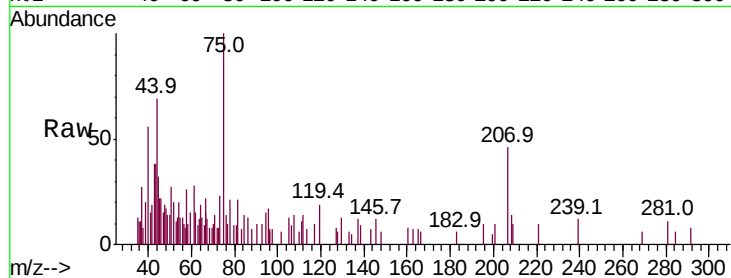




#25
2-Butanone
Concen: 0.228 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX018240.D
Acq: 03 Sep 2020 17:15

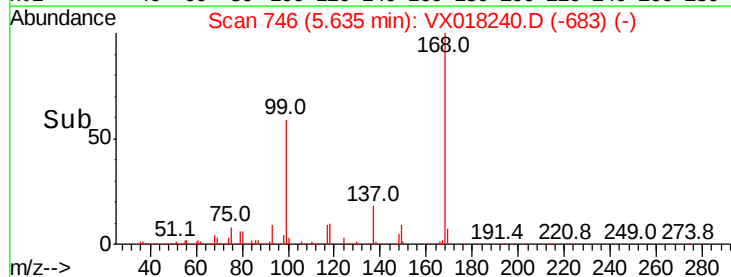
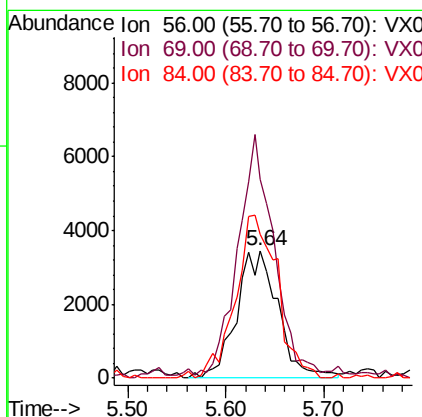
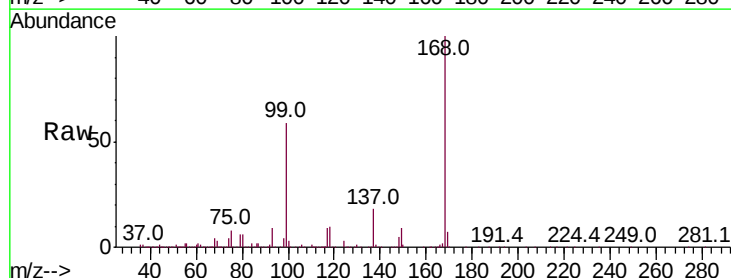
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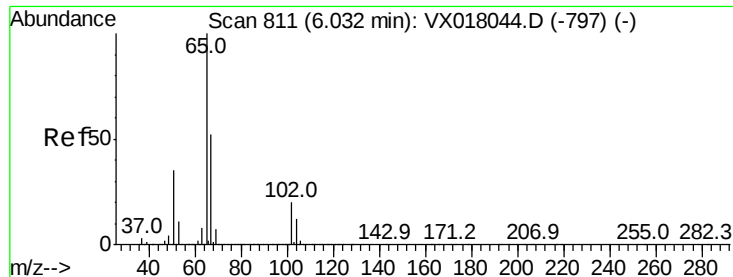
Tot Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
72 23.8 19.8 29.6



#31
Cyclohexane
Concen: 1.406 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX018240.D
Acq: 03 Sep 2020 17:15

Tgt Ion: 56 Resp: 10154
Ion Ratio Lower Upper
56 100
69 148.7 23.9 35.9#
84 109.6 67.0 100.4#





#33

1,2-Dichloroethane-d4

Concen: 52.366 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018240.D

Acq: 03 Sep 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

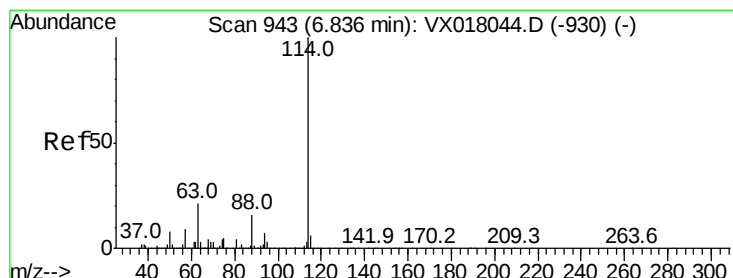
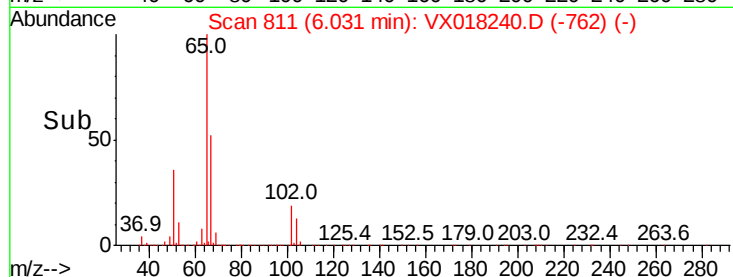
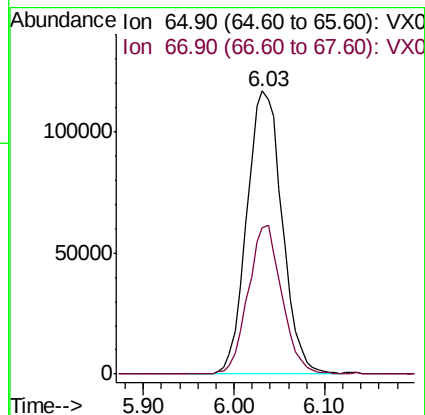
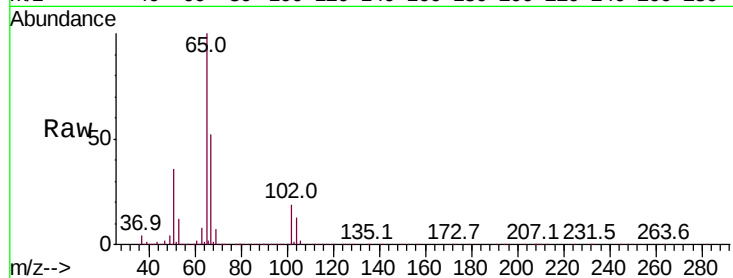
SA-PZ183I-20200902

Tot Ion: 65 Resp: 316029

Ion Ratio Lower Upper

65 100

67 50.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018240.D

Acq: 03 Sep 2020 17:15

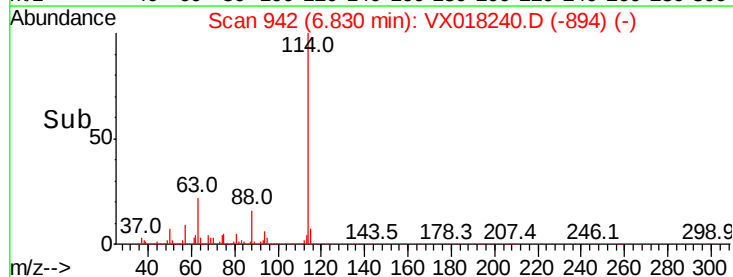
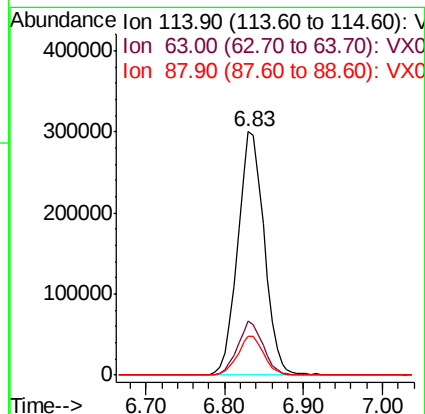
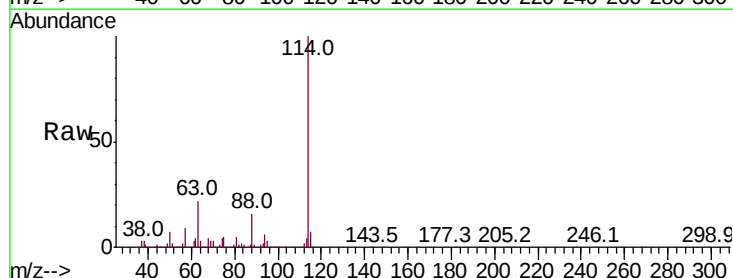
Tgt Ion: 114 Resp: 703630

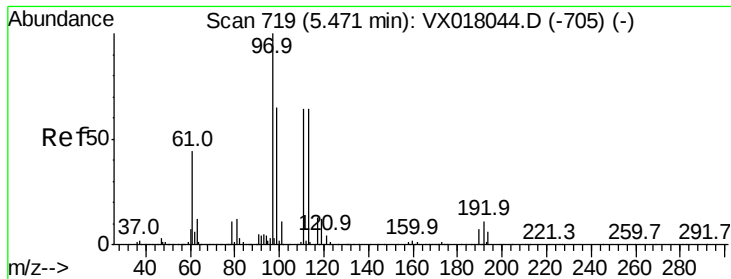
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.6

88 15.7 0.0 31.8

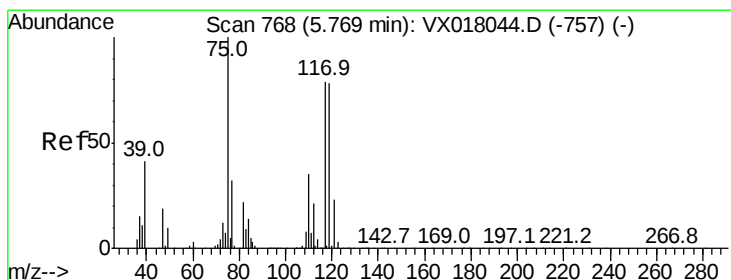
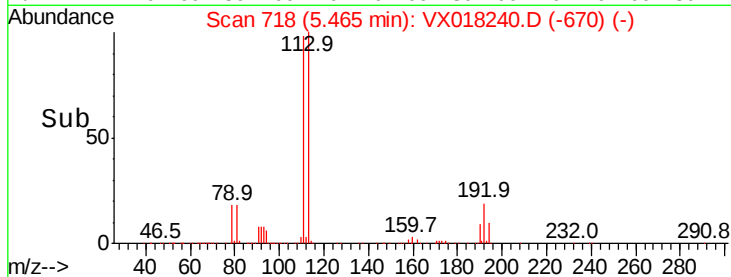
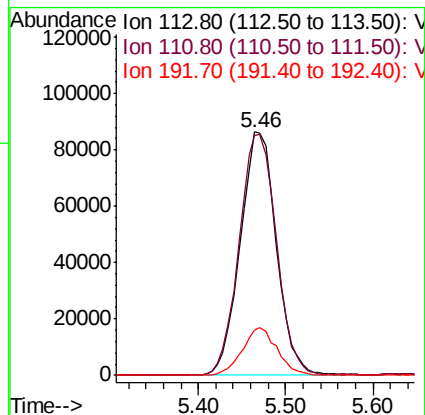
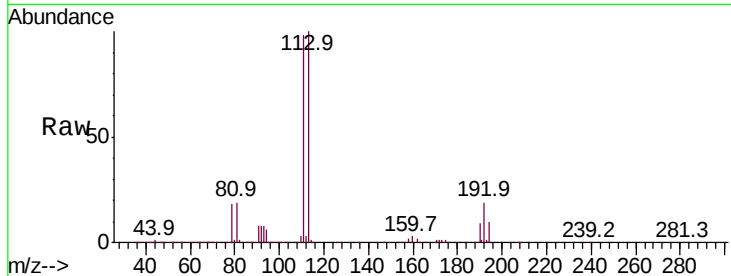




#35
Dibromofluoromethane
Concen: 51.694 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX018240.D
Acq: 03 Sep 2020 17:15

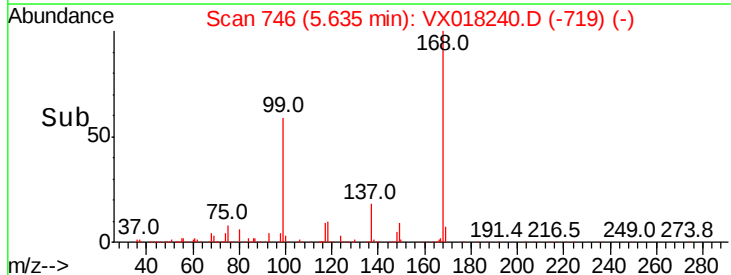
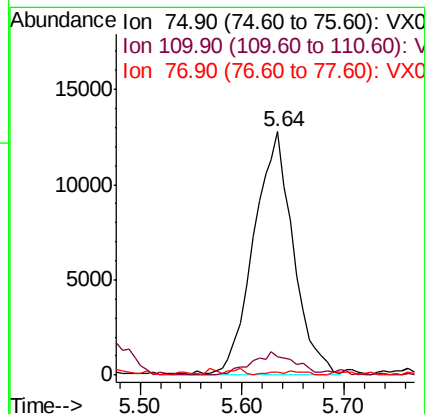
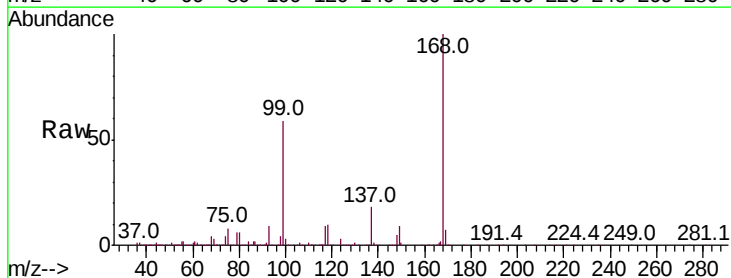
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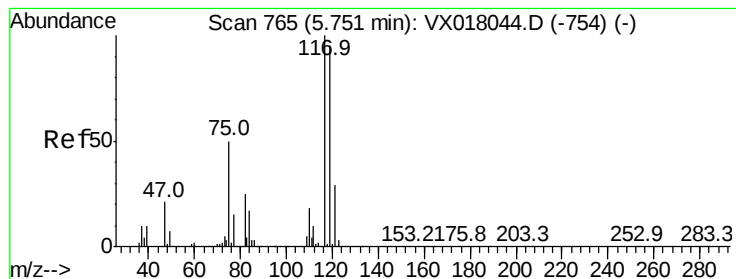
Tot Ion:113 Resp: 247720
Ion Ratio Lower Upper
113 100
111 102.2 81.6 122.4
192 19.0 15.8 23.8



#36
1,1-Dichloropropene
Concen: 5.299 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.13 min
Lab File: VX018240.D
Acq: 03 Sep 2020 17:15

Tgt Ion: 75 Resp: 34391
Ion Ratio Lower Upper
75 100
110 10.2 18.0 54.0#
77 1.4 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 6.209 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018240.D

Acq: 03 Sep 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ183I-20200902

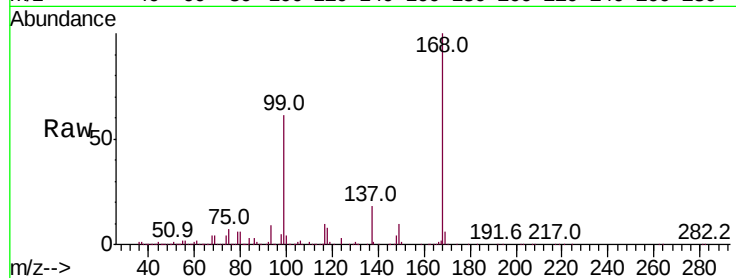
Tot Ion:117 Resp: 45412

Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

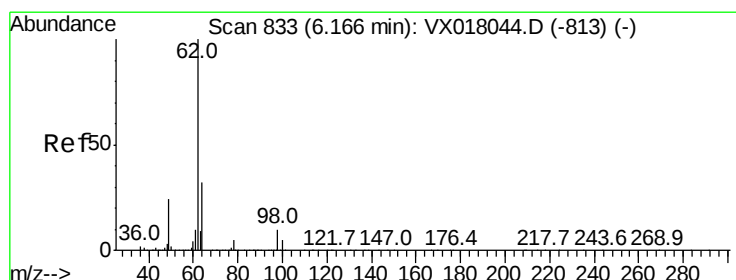
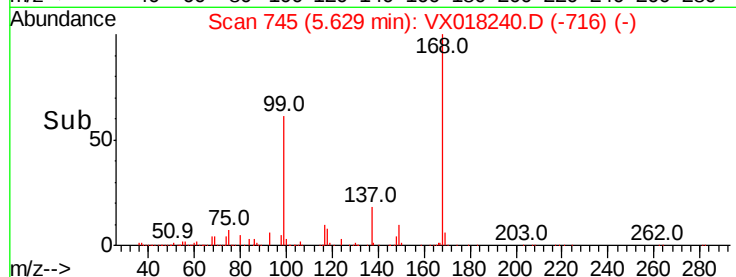
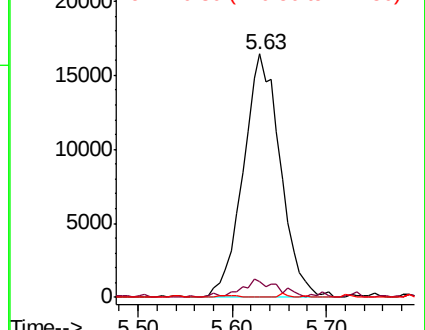
121 0.3 23.4 35.0#



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: 0.202 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX018240.D

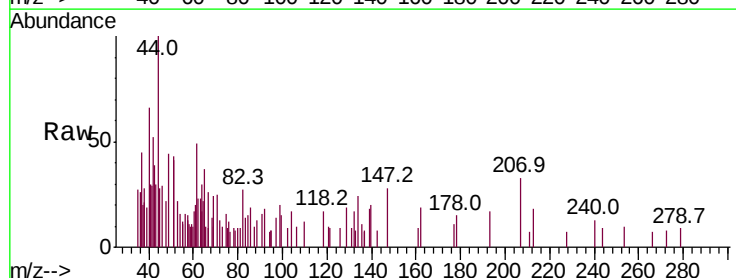
Acq: 03 Sep 2020 17:15

Tgt Ion: 62 Resp: 1479

Ion Ratio Lower Upper

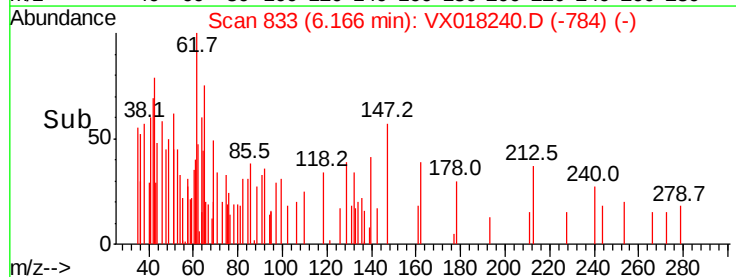
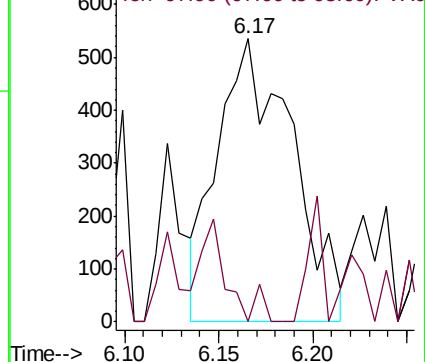
62 100

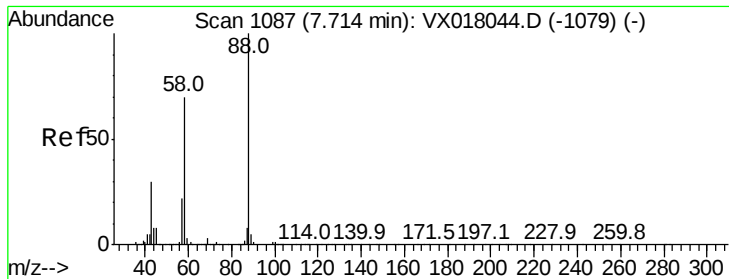
98 11.0 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#49

1,4-Dioxane

Concen: 2.487 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

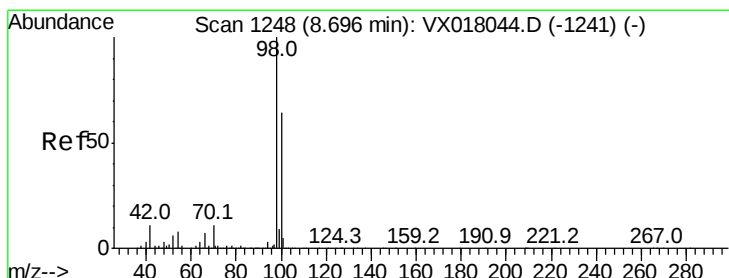
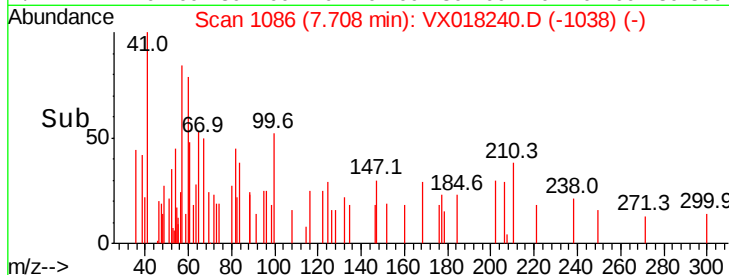
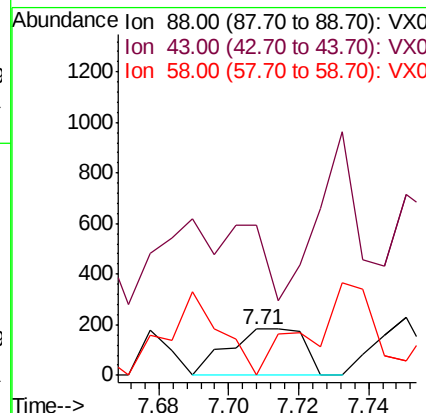
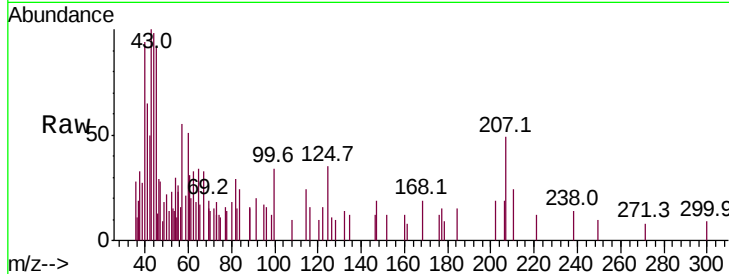
Lab File: VX018240.D

Acq: 03 Sep 2020 17:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ183I-20200902

Tot Ion: 88 Resp: 273

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	0.0	56.4	84.6#



#50

Toluene-d8

Concen: 47.721 ug/l

RT: 8.70 min Scan# 1248

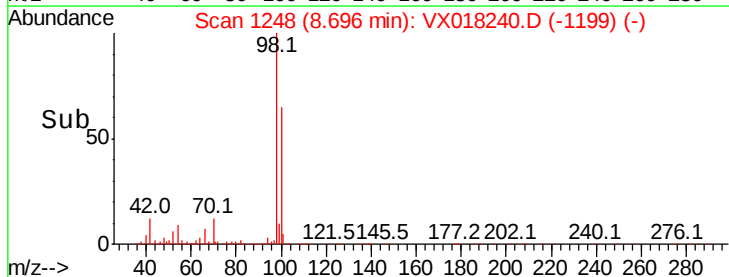
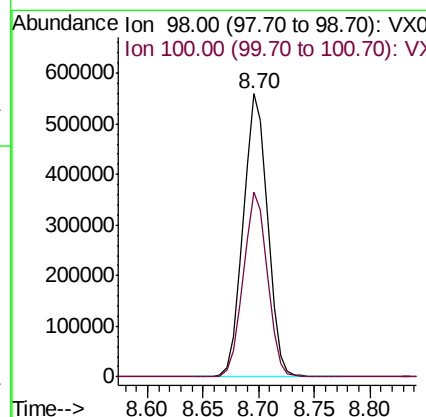
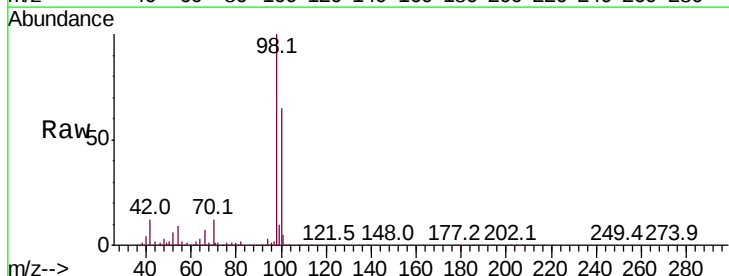
Delta R.T. -0.00 min

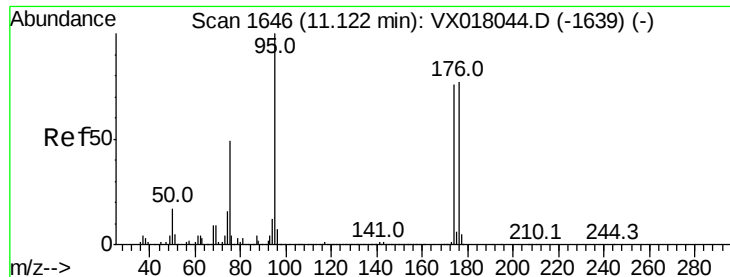
Lab File: VX018240.D

Acq: 03 Sep 2020 17:15

Tgt Ion: 98 Resp: 851736

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.4





#62

4-Bromofluorobenzene

Concen: 45.983 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018240.D

Acq: 03 Sep 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ183I-20200902

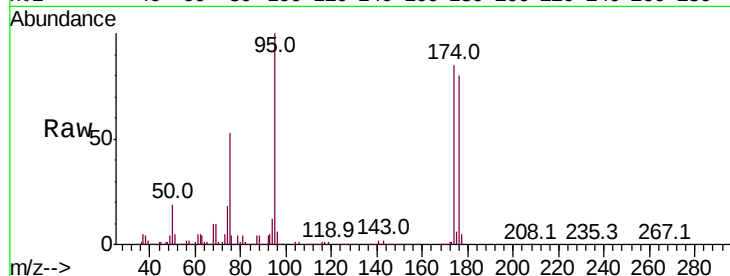
Tot Ion: 95 Resp: 322907

Ion Ratio Lower Upper

95 100

174 82.0 0.0 160.2

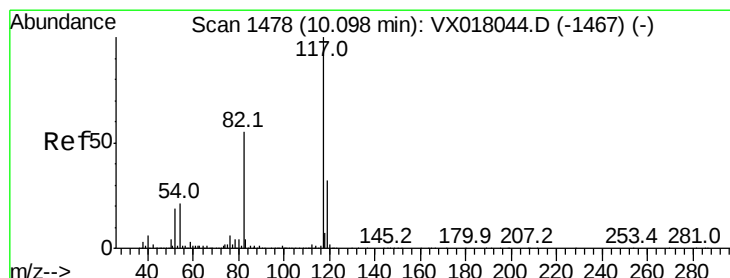
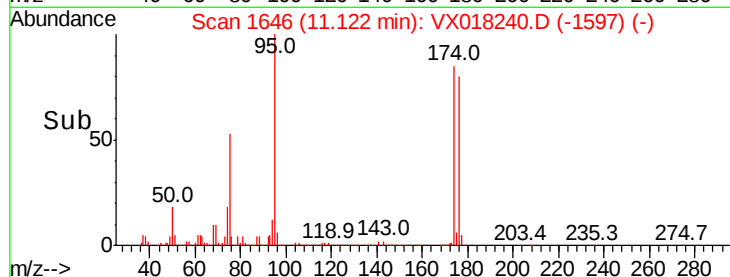
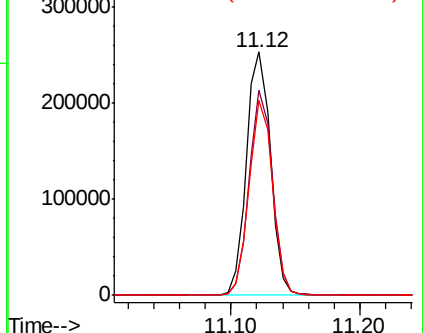
176 78.3 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018240.D

Acq: 03 Sep 2020 17:15

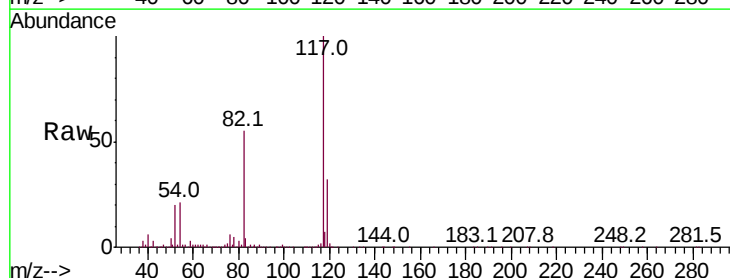
Tgt Ion: 117 Resp: 667121

Ion Ratio Lower Upper

117 100

82 54.9 44.2 66.2

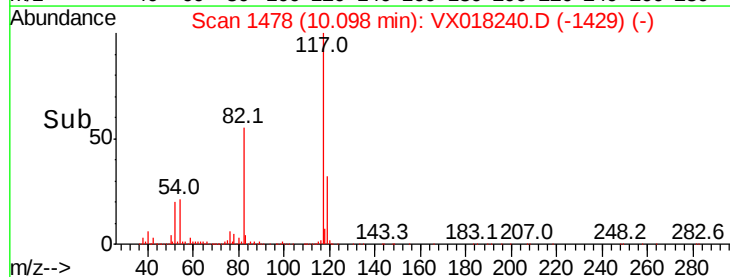
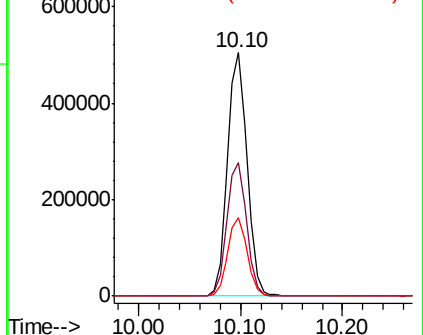
119 32.3 25.7 38.5

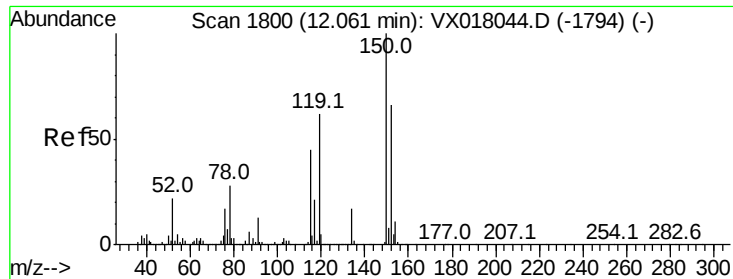


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018240.D

Acq: 03 Sep 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ183I-20200902

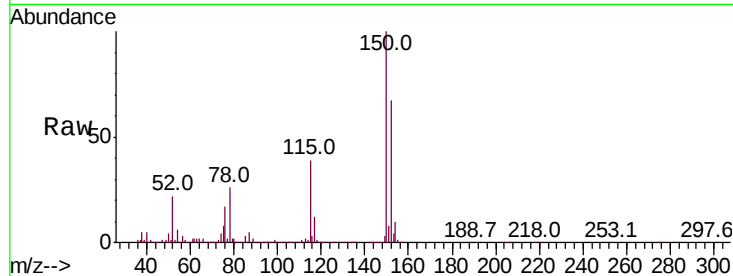
Tot Ion:152 Resp: 328052

Ion Ratio Lower Upper

152 100

115 59.3 41.5 124.5

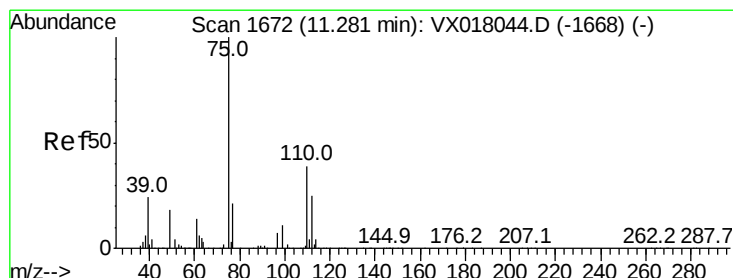
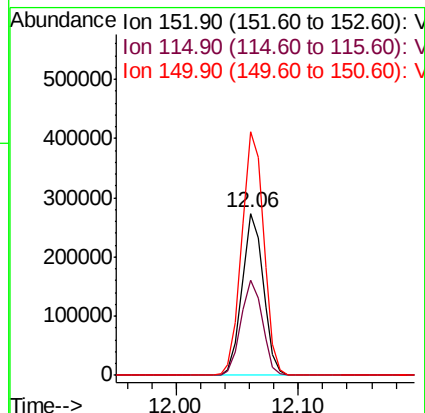
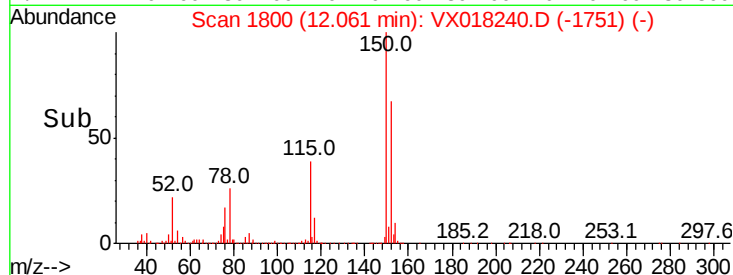
150 155.4 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.869 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018240.D

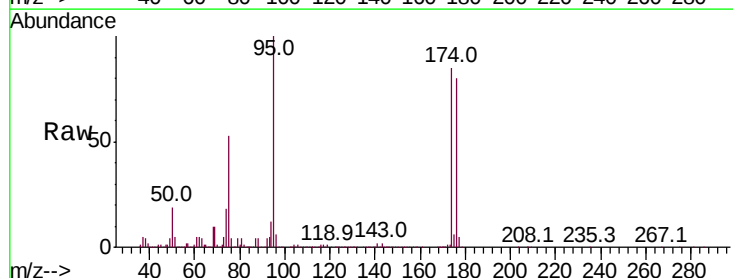
Acq: 03 Sep 2020 17:15

Tgt Ion: 75 Resp: 166888

Ion Ratio Lower Upper

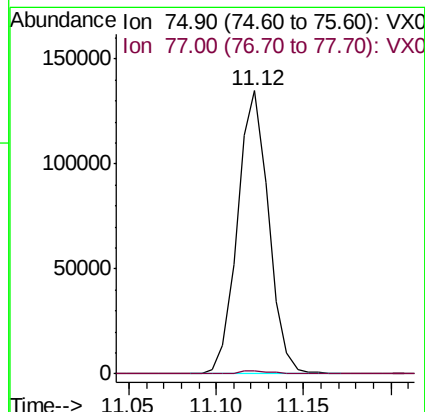
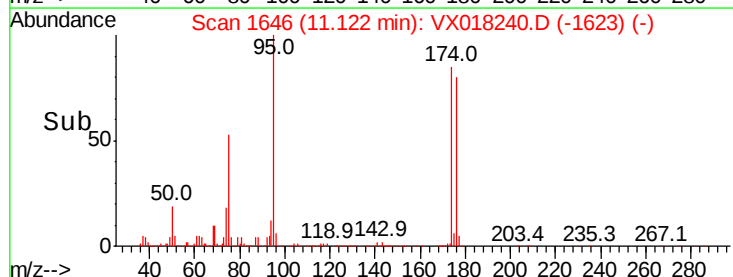
75 100

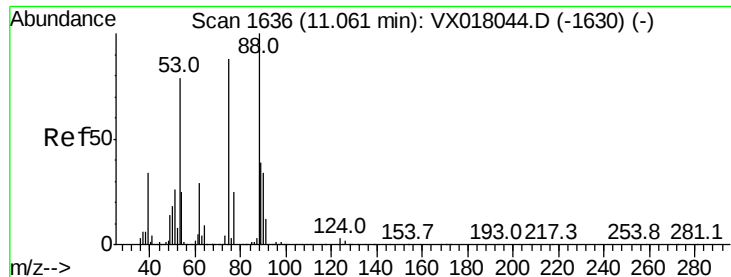
77 1.1 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.765 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018240.D

Acq: 03 Sep 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ183I-20200902

Tot Ion: 75 Resp: 166888

Ion Ratio Lower Upper

75 100

53 0.5 74.7 112.1#

89 0.2 36.6 54.8#

