

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018279.D
 Acq On : 08 Sep 2020 16:48
 Operator : JC/SP
 Sample : PB131451TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451TB

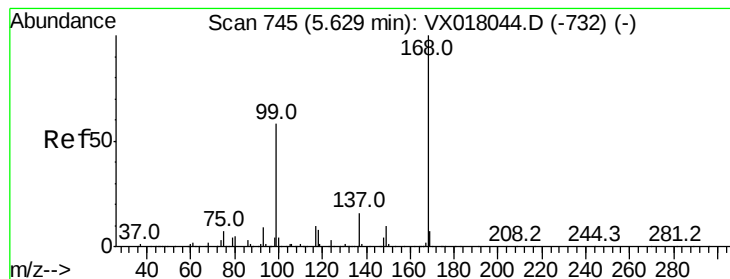
Quant Time: Sep 09 01:23:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	461087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	730769	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	729317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	385066	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	328388	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
35) Dibromofluoromethane	5.47	113	253674	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
50) Toluene-d8	8.70	98	923808	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.12	95	355766	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	672	0.212	ug/l #	77
10) Methyl Iodide	2.52	142	342	5.352	ug/l #	66
11) Tert butyl alcohol	3.00	59	4681	3.761	ug/l #	77
13) Acrolein	2.27	56	229	0.444	ug/l #	47
16) Acetone	2.42	43	21983	8.813	ug/l #	85
18) Methyl Acetate	2.75	43	6131	1.019	ug/l #	83
20) Methylene Chloride	2.84	84	12189	1.251	ug/l #	95
25) 2-Butanone	4.65	43	5119	1.249	ug/l #	80
29) Tetrahydrofuran	5.10	42	1792	0.687	ug/l #	45
36) 1,1-Dichloropropene	5.64	75	34983	5.190	ug/l #	51
38) Carbon Tetrachloride	5.63	117	47978	6.316	ug/l #	18
43) Isopropyl Acetate	6.41	43	120068	9.496	ug/l	99
48) Methyl methacrylate	7.85	41	201096	31.948	ug/l #	45
49) 1,4-Dioxane	7.70	88	77	0.675	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	116949	14.973	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	49925	5.674	ug/l #	62
59) 2-Hexanone	9.52	43	130541	21.980	ug/l #	51
74) N-amyl acetate	10.80	43	4867	0.404	ug/l #	59
76) 1,2,3-Trichloropropane	11.12	75	186087	21.724	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	13250	0.635	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	186087	58.673	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

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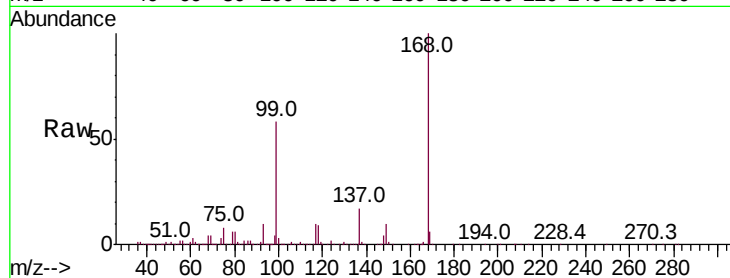
PB131451TB

Tot Ion:168 Resp: 461087

Ion Ratio Lower Upper

168 100

99 58.2 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

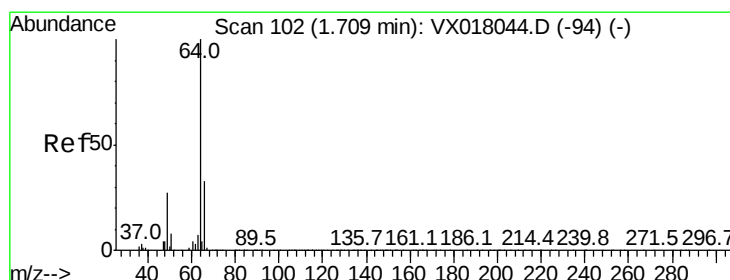
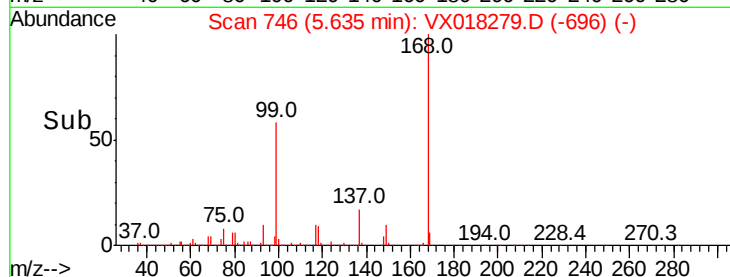
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.212 ug/l

RT: 1.75 min Scan# 108

Delta R.T. 0.04 min

Lab File: VX018279.D

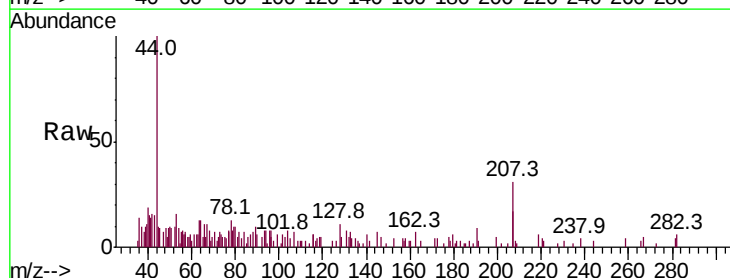
Acq: 08 Sep 2020 16:48

Tgt Ion: 64 Resp: 672

Ion Ratio Lower Upper

64 100

66 46.0 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.75

800

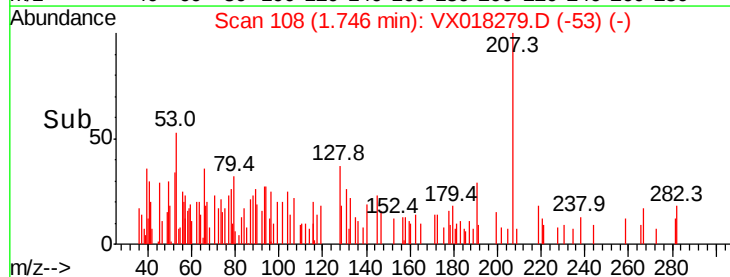
600

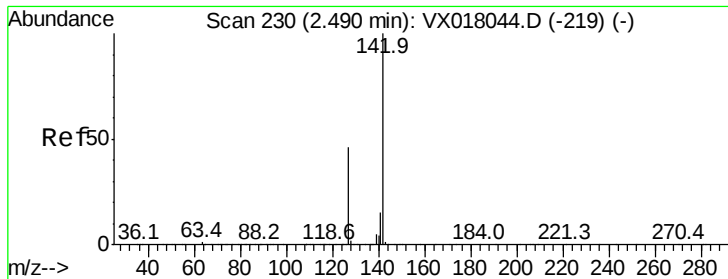
400

200

0

Time-->

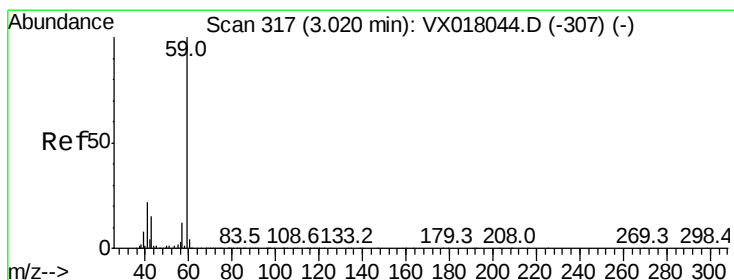
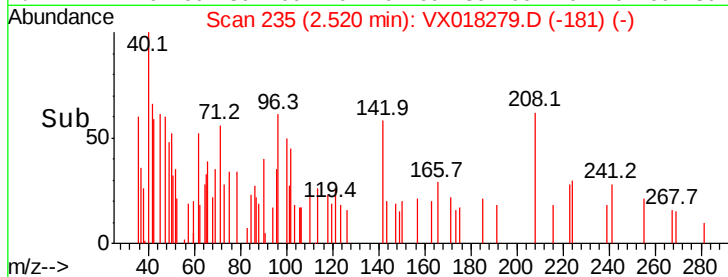
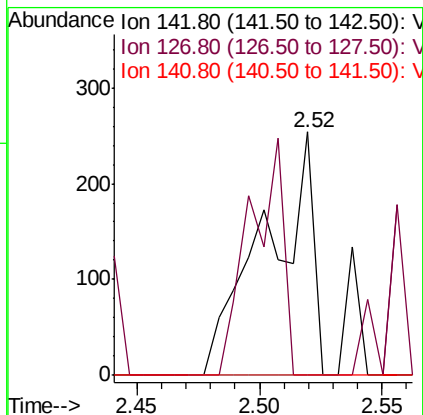
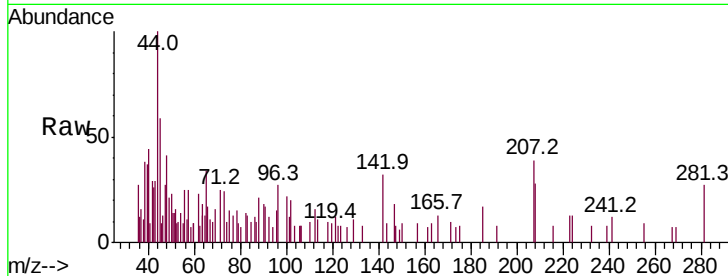




#10
Methyl Iodide
Concen: 5.352 ug/l
RT: 2.52 min Scan# 235
Delta R.T. 0.03 min
Lab File: VX018279.D
Acq: 08 Sep 2020 16:48

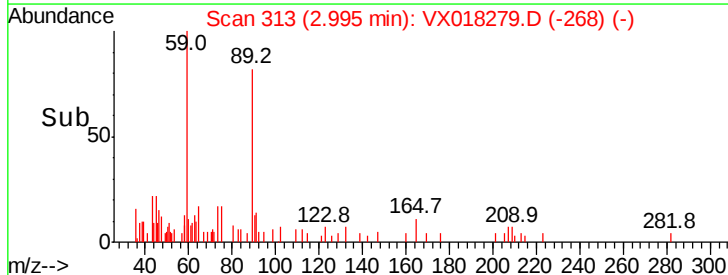
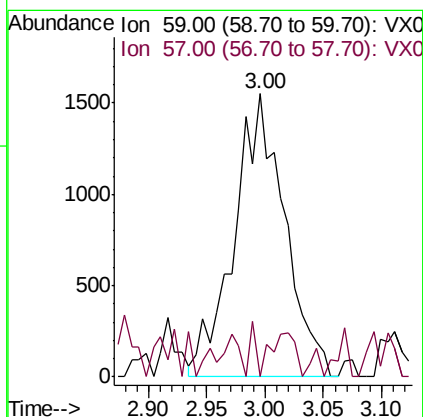
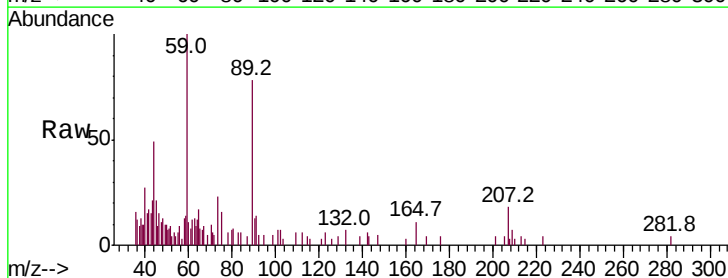
Instrument :
MSVOA_X
ClientSampleId :
PB131451TB

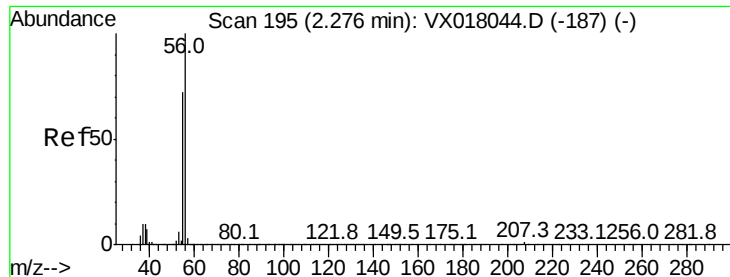
Tot Ion:142 Resp: 342
Ion Ratio Lower Upper
142 100
127 69.0 37.0 55.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 3.761 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018279.D
Acq: 08 Sep 2020 16:48

Tgt Ion: 59 Resp: 4681
Ion Ratio Lower Upper
59 100
57 2.4 8.9 13.3#





#13

Acrolein

Concen: 0.444 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018279.D

Acq: 08 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampled :

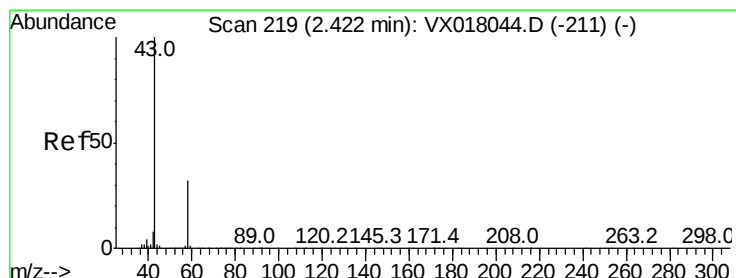
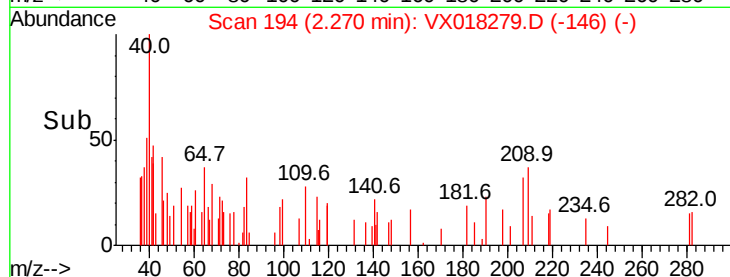
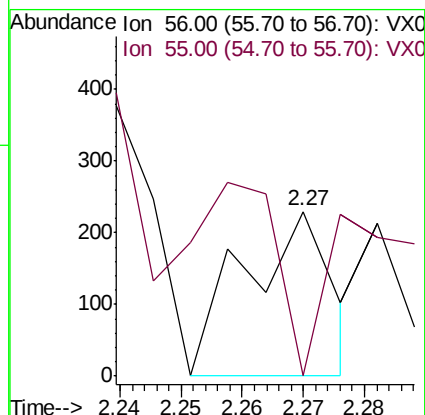
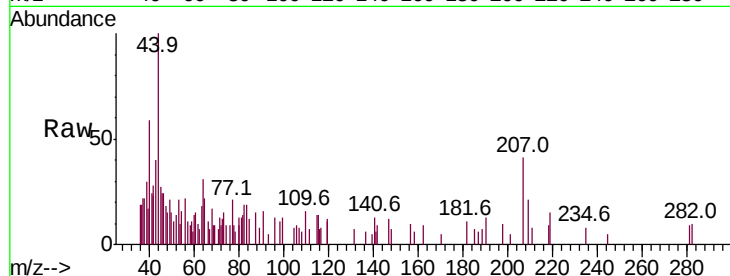
PB131451TB

Tot Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 115.3 57.0 85.6#



#16

Acetone

Concen: 8.813 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018279.D

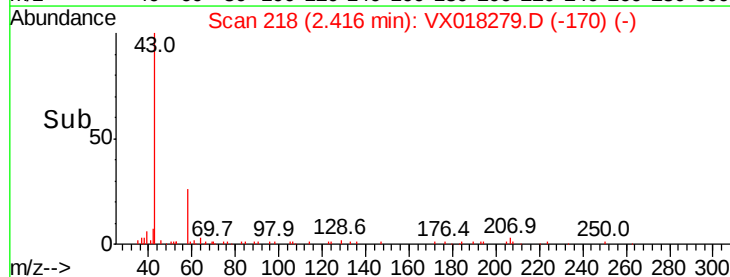
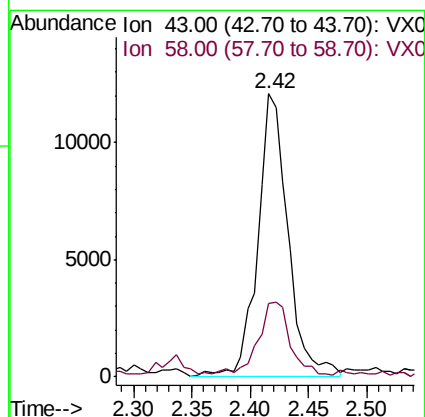
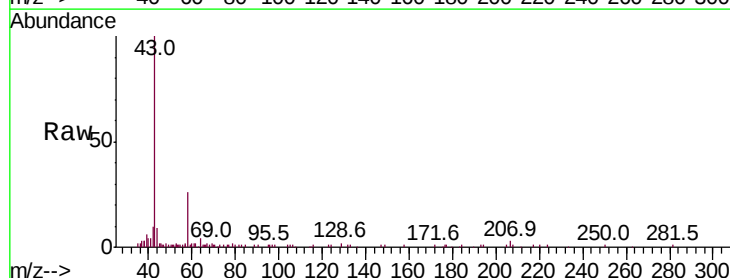
Acq: 08 Sep 2020 16:48

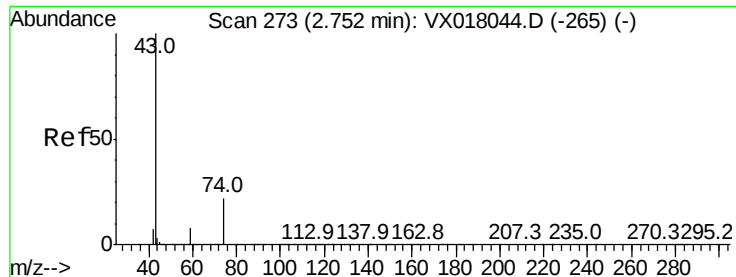
Tgt Ion: 43 Resp: 21983

Ion Ratio Lower Upper

43 100

58 23.8 25.5 38.3#

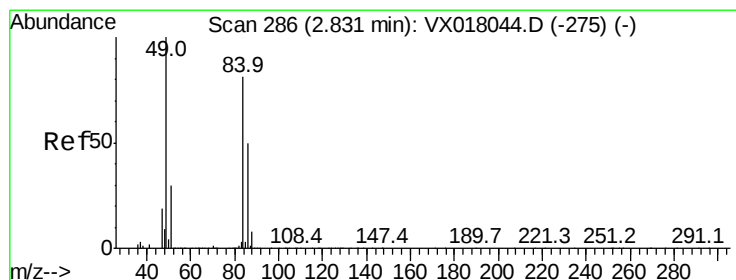
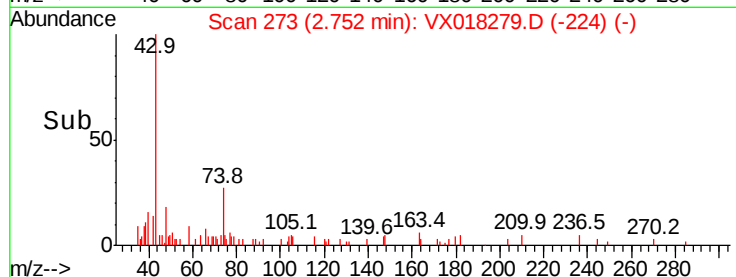
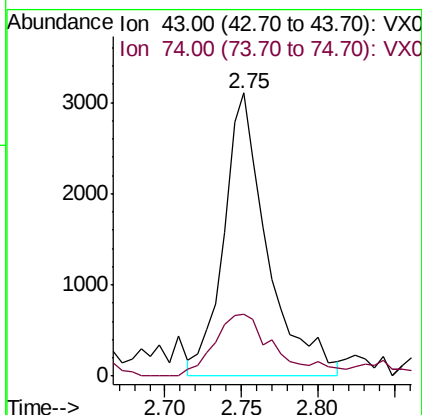
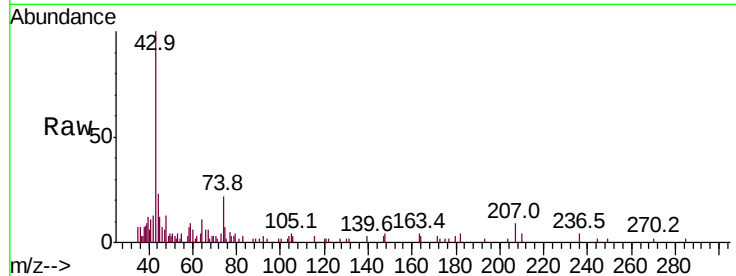




#18
Methyl Acetate
Concen: 1.019 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018279.D
Acq: 08 Sep 2020 16:48

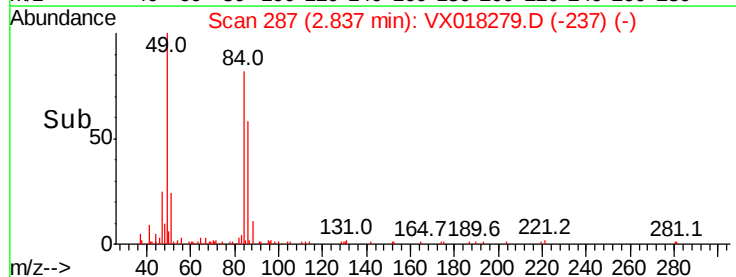
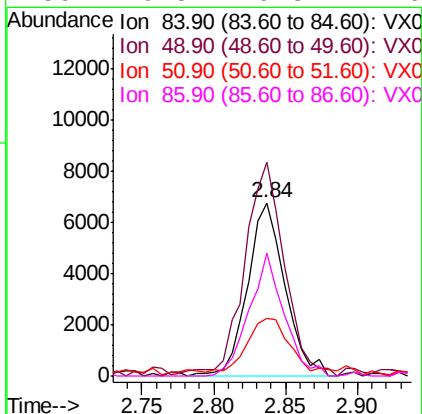
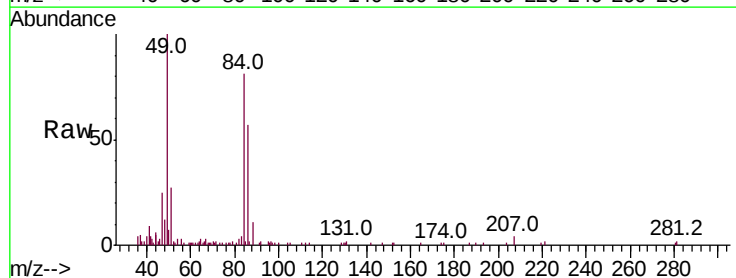
Instrument :
MSVOA_X
ClientSampleId :
PB131451TB

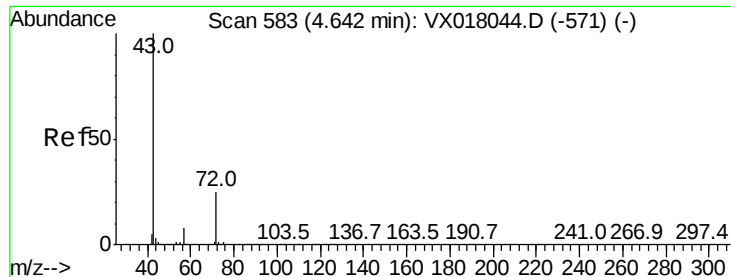
Tot Ion: 43 Resp: 6131
Ion Ratio Lower Upper
43 100
74 31.0 18.2 27.4#



#20
Methylene Chloride
Concen: 1.251 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018279.D
Acq: 08 Sep 2020 16:48

Tgt Ion: 84 Resp: 12189
Ion Ratio Lower Upper
84 100
49 123.6 98.6 148.0
51 29.3 29.6 44.4#
86 70.8 49.8 74.6

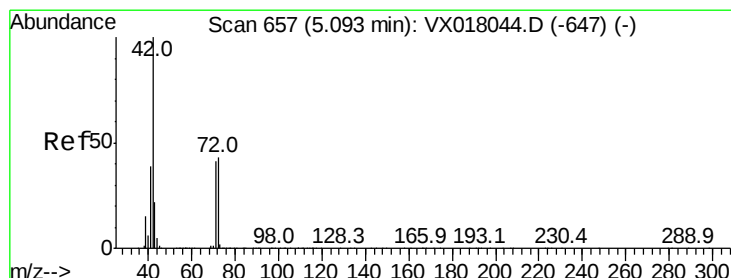
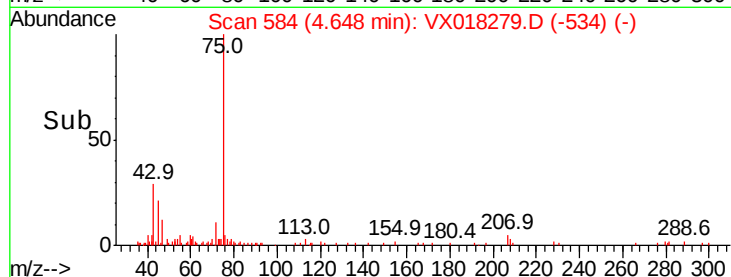
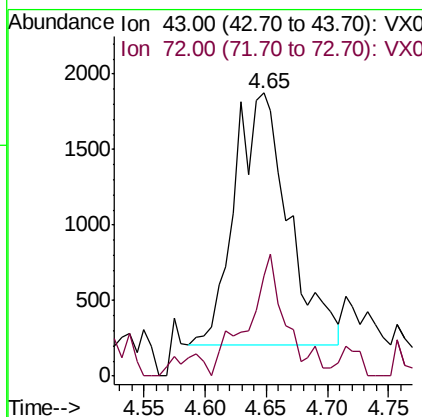
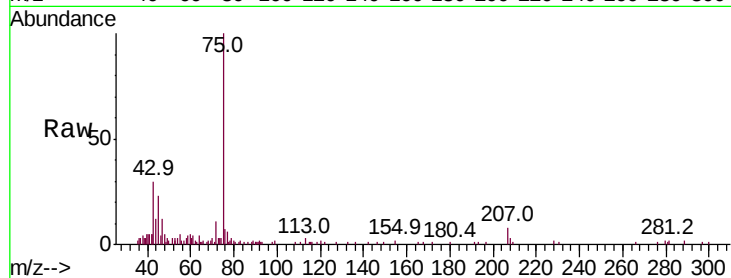




#25
2-Butanone
Concen: 1.249 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018279.D
Acq: 08 Sep 2020 16:48

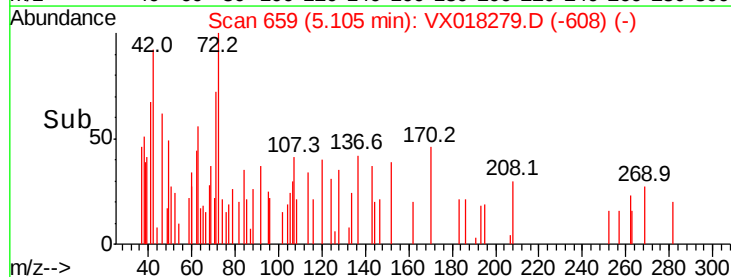
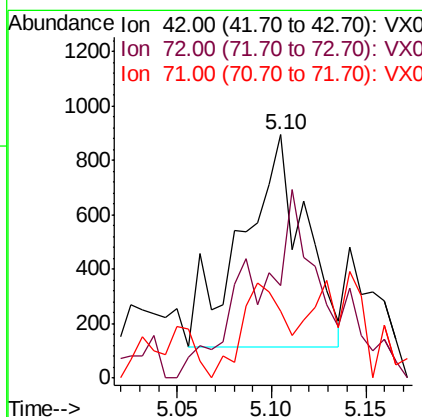
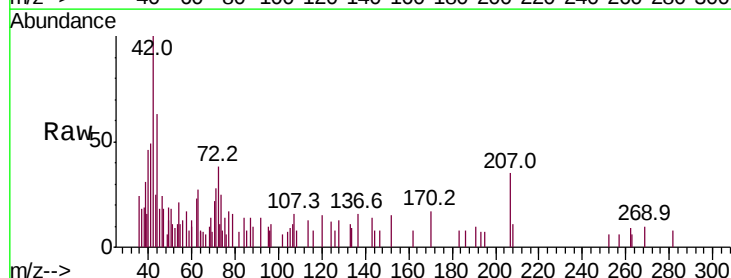
Instrument :
MSVOA_X
ClientSampled :
PB131451TB

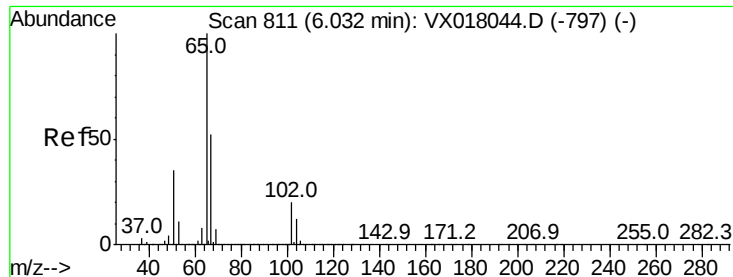
Tot Ion: 43 Resp: 5119
Ion Ratio Lower Upper
43 100
72 34.7 19.8 29.6#



#29
Tetrahydrofuran
Concen: 0.687 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX018279.D
Acq: 08 Sep 2020 16:48

Tgt Ion: 42 Resp: 1792
Ion Ratio Lower Upper
42 100
72 72.2 34.2 51.4#
71 0.0 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 51.302 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018279.D

Acq: 08 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

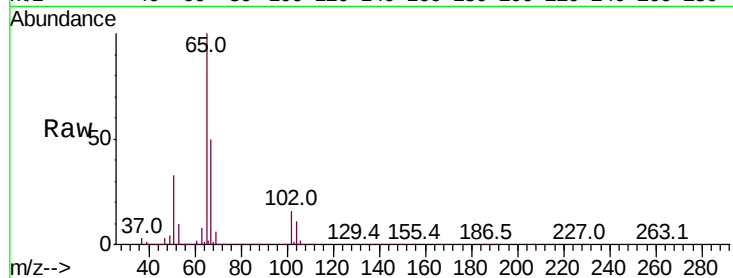
PB131451TB

Tot Ion: 65 Resp: 328388

Ion Ratio Lower Upper

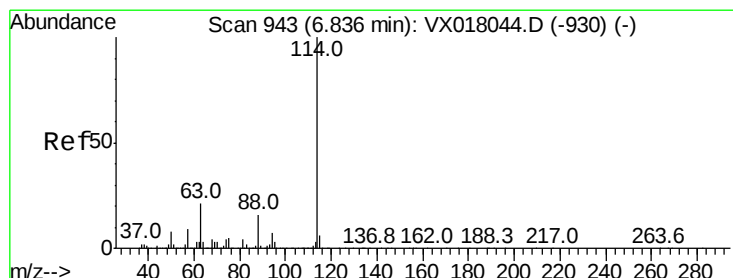
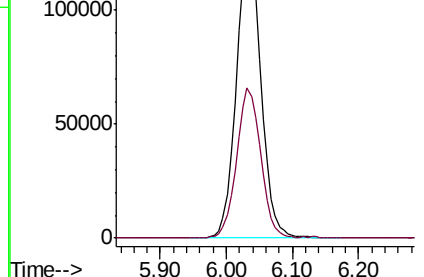
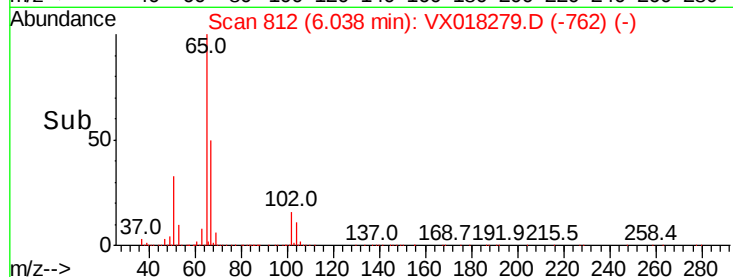
65 100

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: VX018279.D

Acq: 08 Sep 2020 16:48

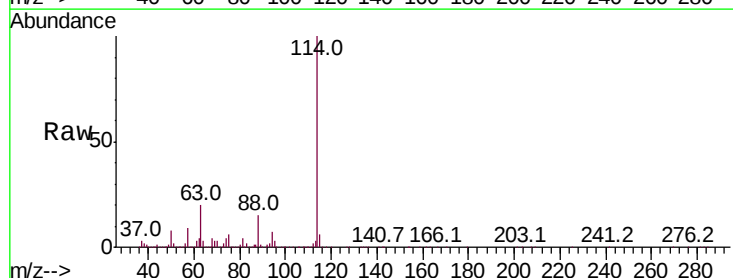
Tgt Ion: 114 Resp: 730769

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

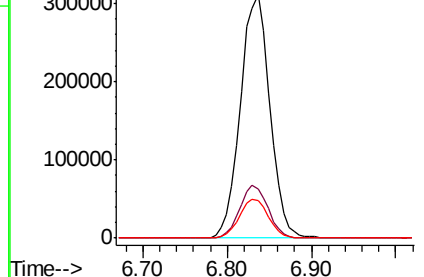
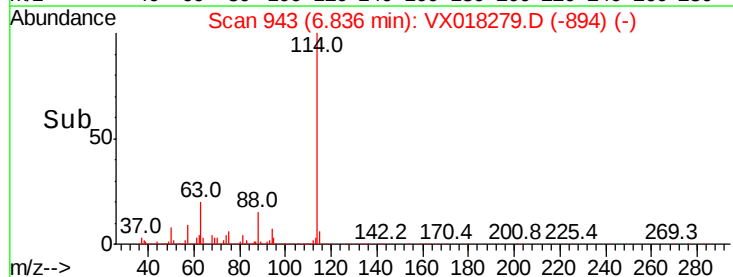
88 15.4 0.0 31.8

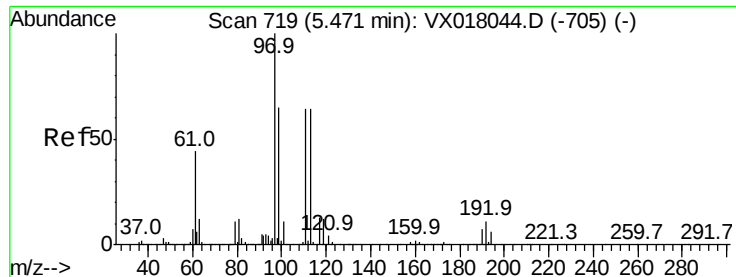


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.970 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018279.D

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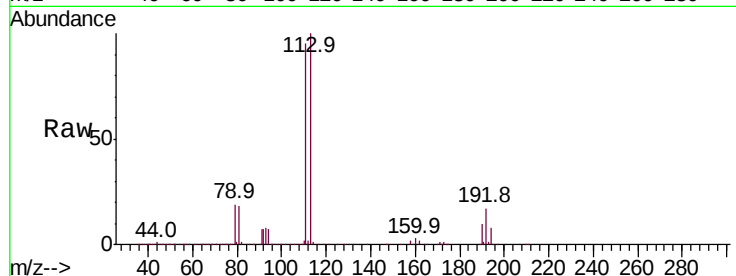
Tot Ion:113 Resp: 253674

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

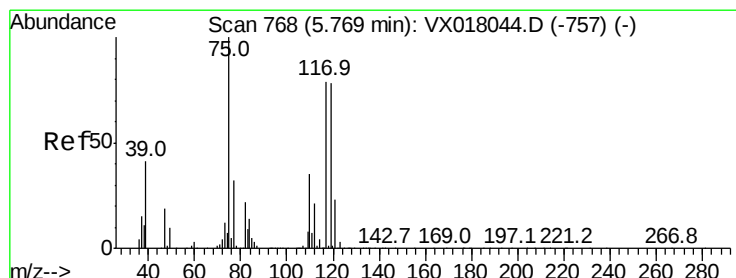
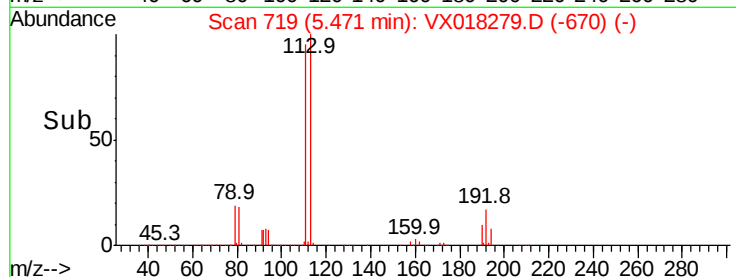
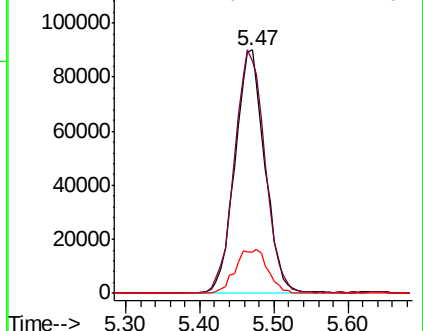
192 19.8 15.8 23.8



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: 5.190 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018279.D

Acq: 08 Sep 2020 16:48

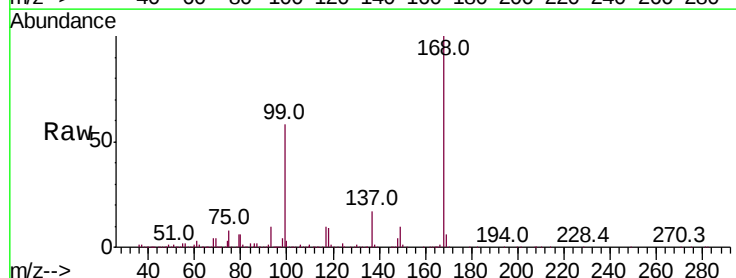
Tgt Ion: 75 Resp: 34983

Ion Ratio Lower Upper

75 100

110 10.4 18.0 54.0#

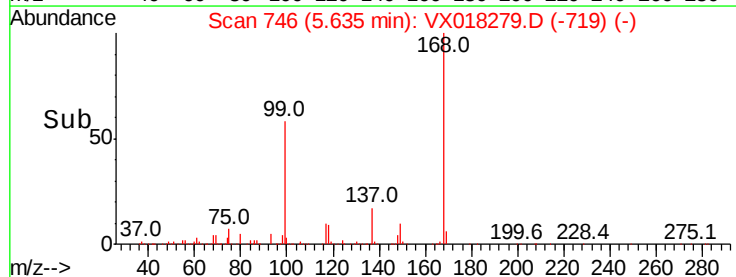
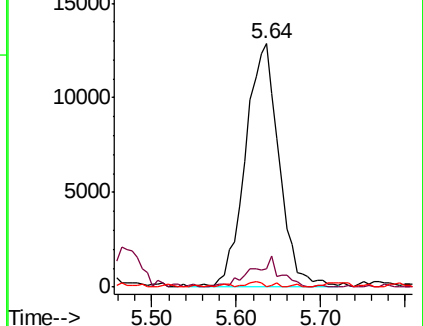
77 0.4 24.4 36.6#

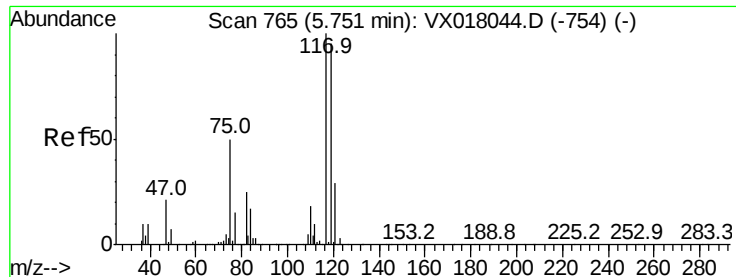


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.316 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018279.D

Acq: 08 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

PB131451TB

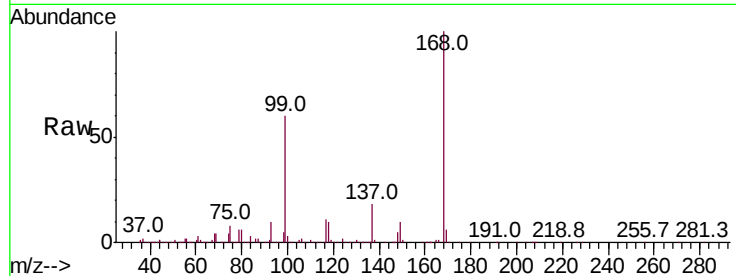
Tot Ion:117 Resp: 47978

Ion Ratio Lower Upper

117 100

119 7.5 75.8 113.6#

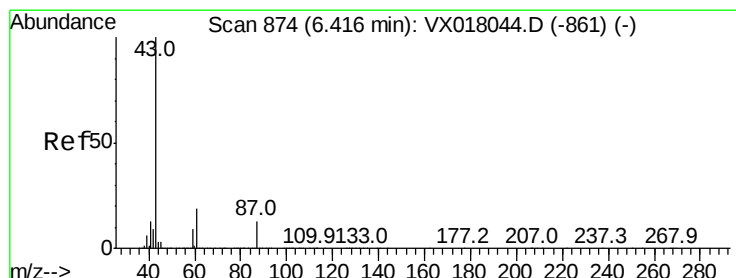
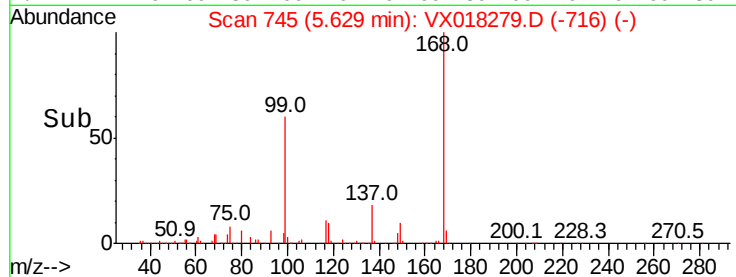
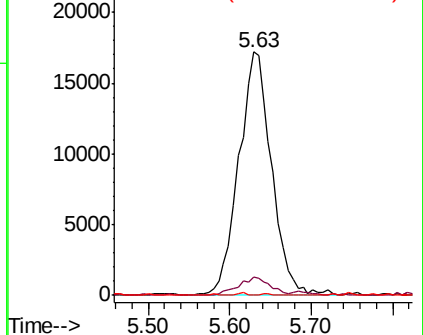
121 0.0 23.4 35.0#



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



#43

Isopropyl Acetate

Concen: 9.496 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX018279.D

Acq: 08 Sep 2020 16:48

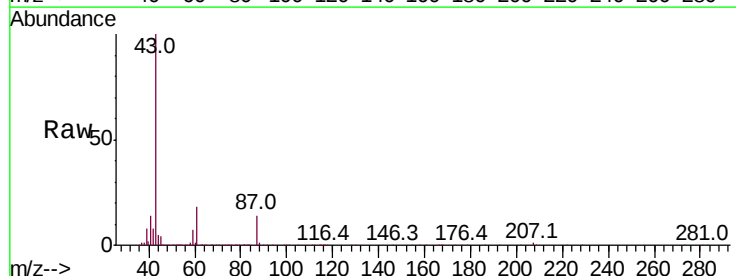
Tgt Ion: 43 Resp: 120068

Ion Ratio Lower Upper

43 100

61 19.7 15.7 23.5

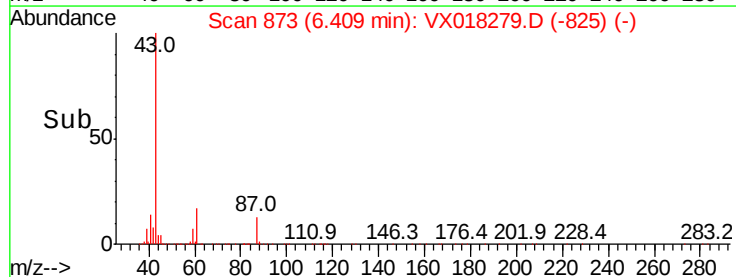
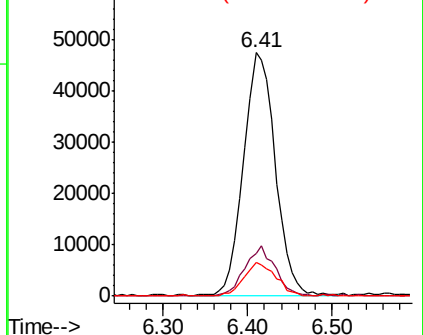
87 14.1 10.3 15.5

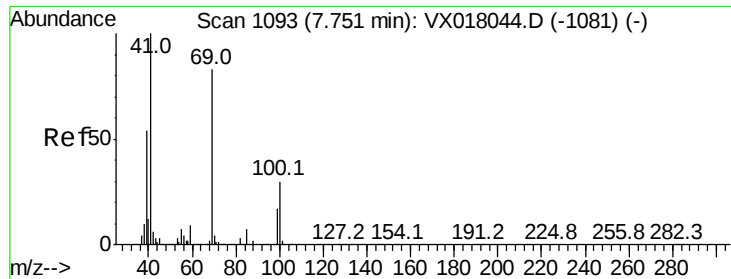


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 31.948 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.10 min

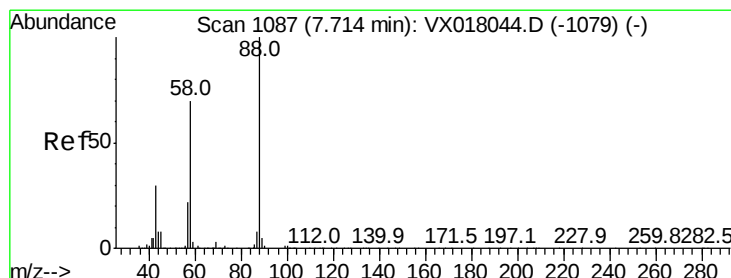
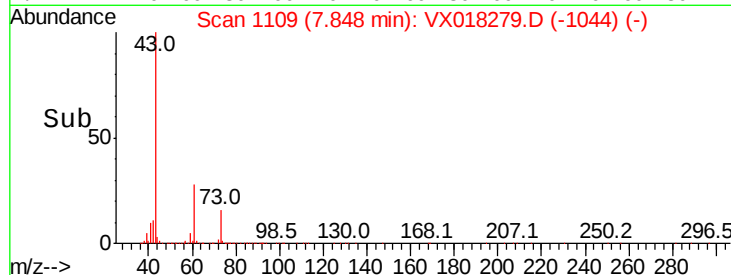
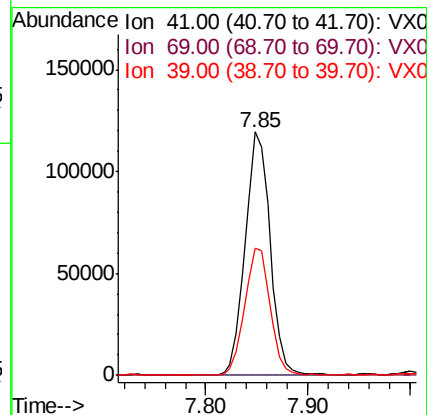
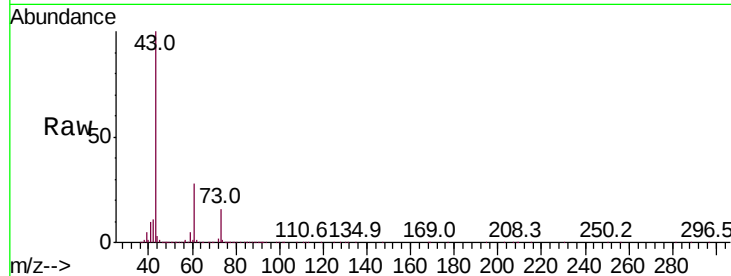
Lab File: VX018279.D

Acq: 08 Sep 2020 16:48

Instrument :
MSVOA_X
ClientSampled :
PB131451TB

Tot Ion: 41 Resp: 201096

Ion	Ratio	Lower	Upper
41	100		
69	0.3	65.5	98.3#
39	53.8	44.5	66.7



#49

1,4-Dioxane

Concen: 0.675 ug/l

RT: 7.70 min Scan# 1084

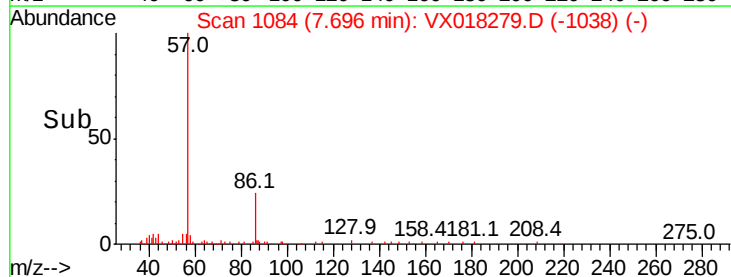
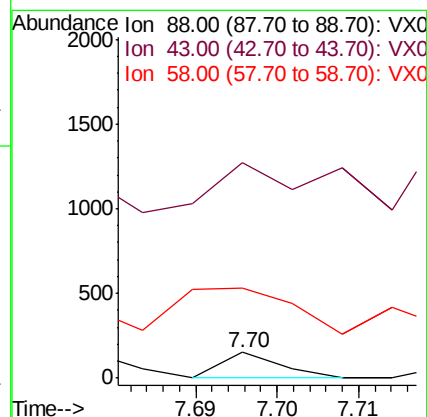
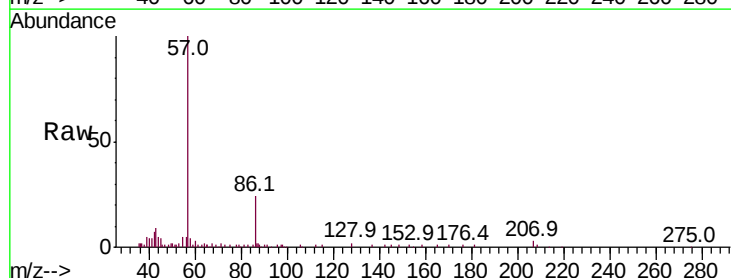
Delta R.T. -0.02 min

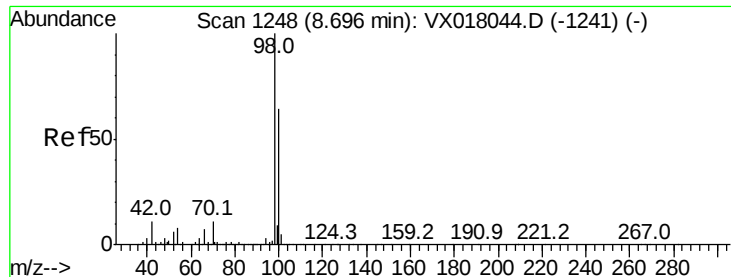
Lab File: VX018279.D

Acq: 08 Sep 2020 16:48

Tgt Ion: 88 Resp: 77

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	1163.6	56.4	84.6#





#50

Toluene-d8

Concen: 49.837 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018279.D

Acq: 08 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

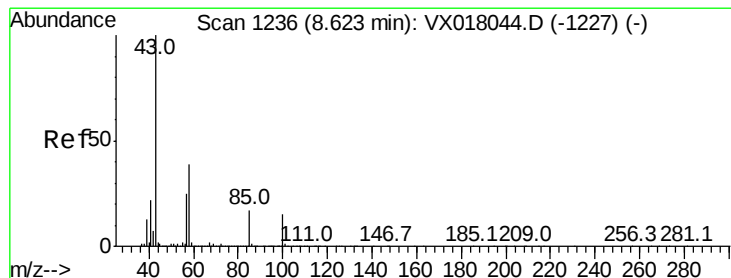
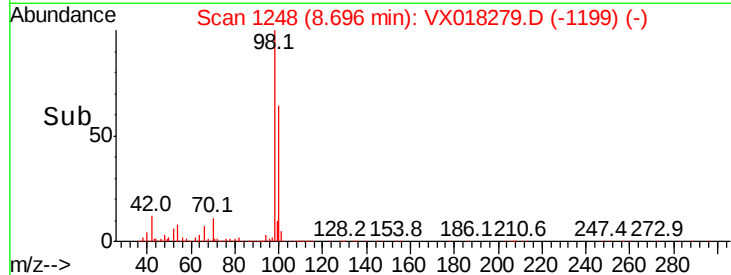
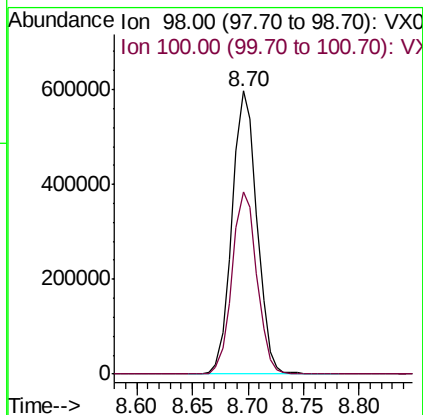
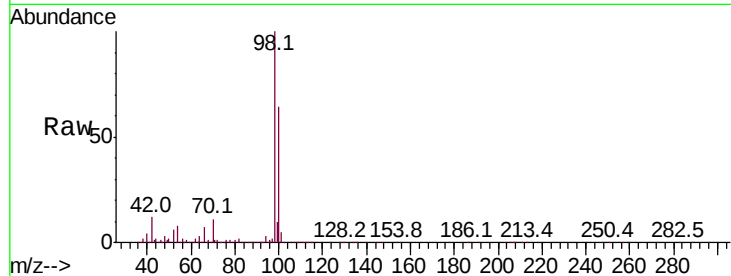
PB131451TB

Tot Ion: 98 Resp: 923808

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 14.973 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018279.D

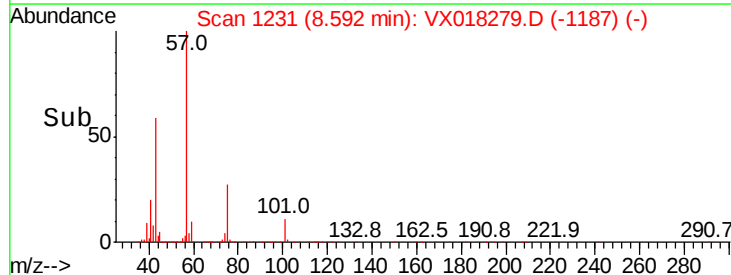
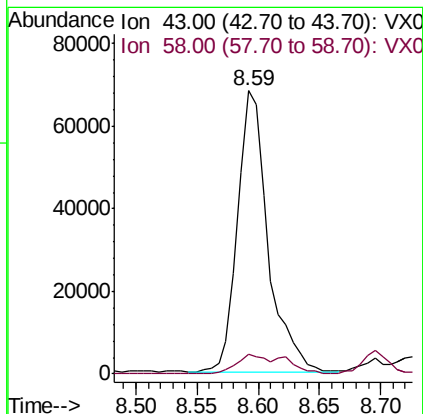
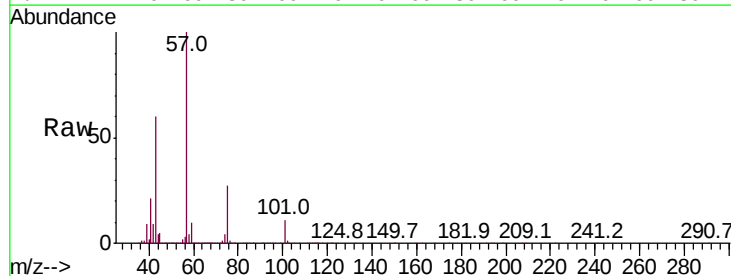
Acq: 08 Sep 2020 16:48

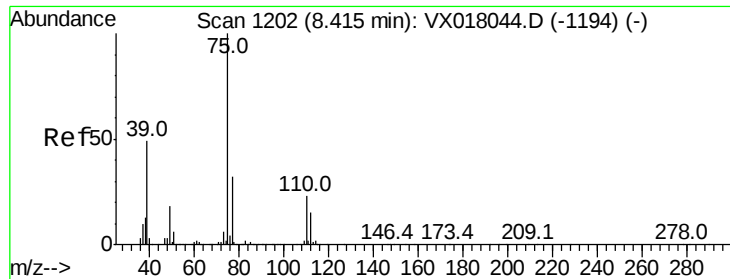
Tgt Ion: 43 Resp: 116949

Ion Ratio Lower Upper

43 100

58 6.9 30.7 46.1#



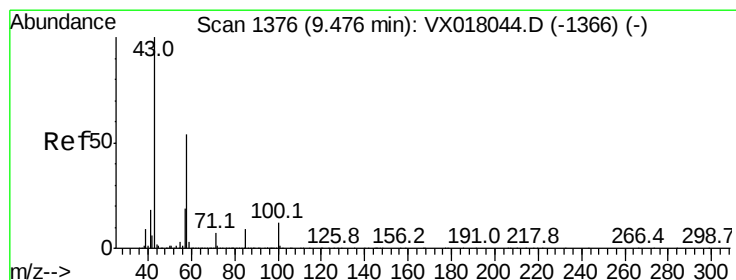
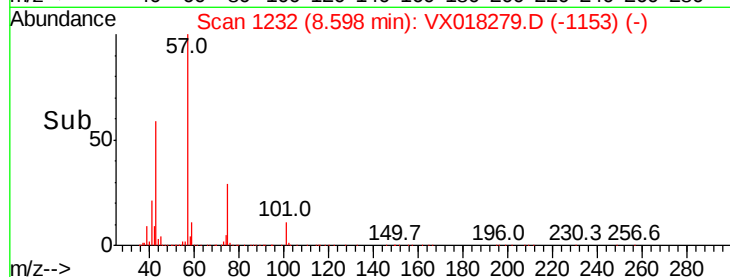
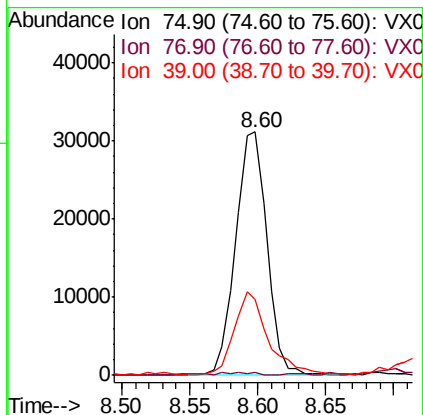
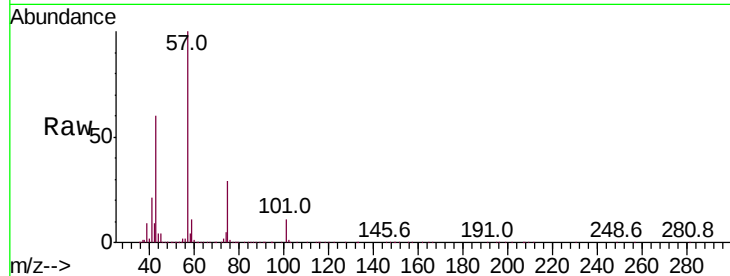


#54

cis-1,3-Dichloropropene
 Concen: 5.674 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX018279.D
 Acq: 08 Sep 2020 16:48

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451TB

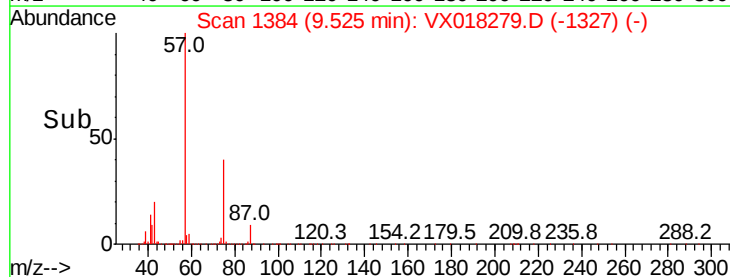
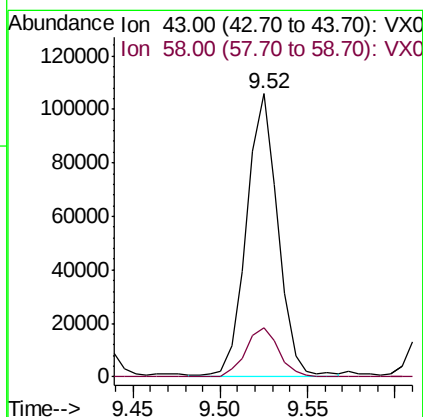
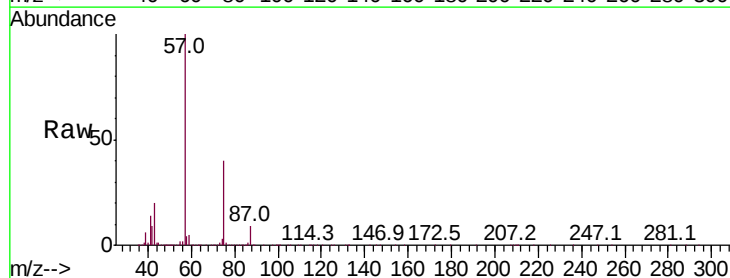
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.0	25.8	38.8#
39	30.9	38.8	58.2#

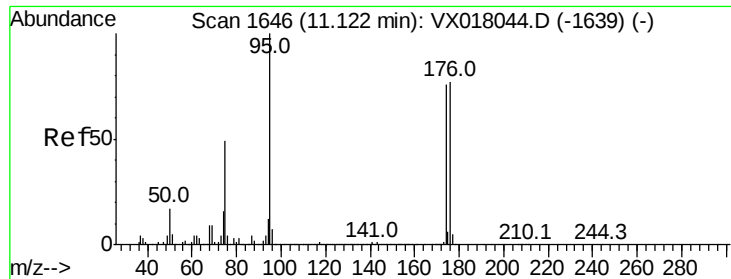


#59

2-Hexanone
 Concen: 21.980 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.05 min
 Lab File: VX018279.D
 Acq: 08 Sep 2020 16:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	18.4	26.6	79.7#

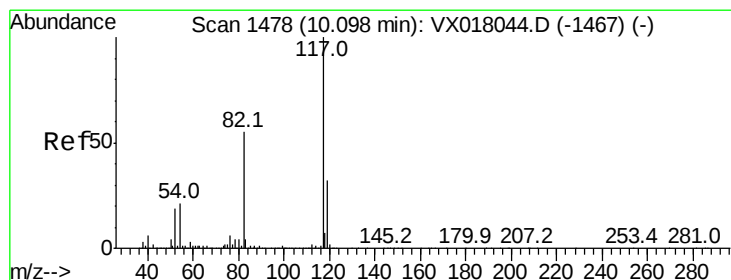
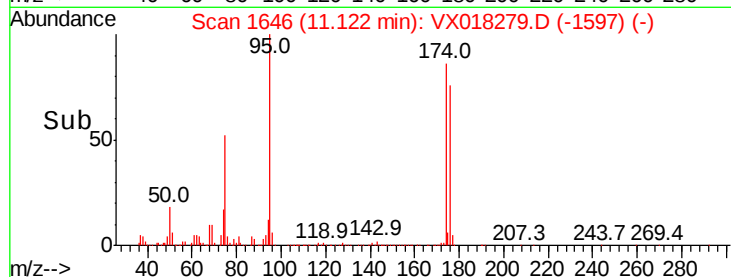
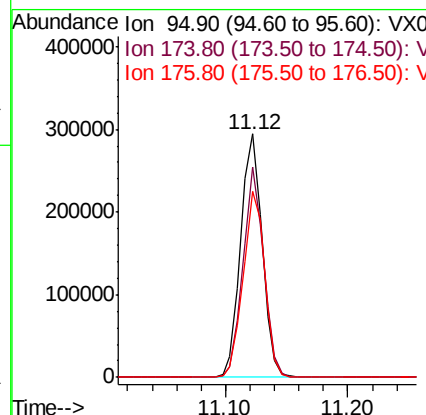
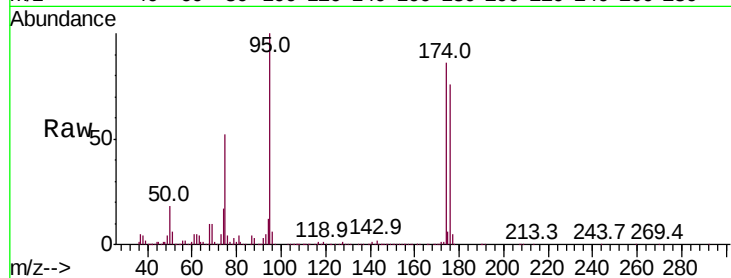




#62
4-Bromofluorobenzene
Concen: 48.781 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018279.D
Acq: 08 Sep 2020 16:48

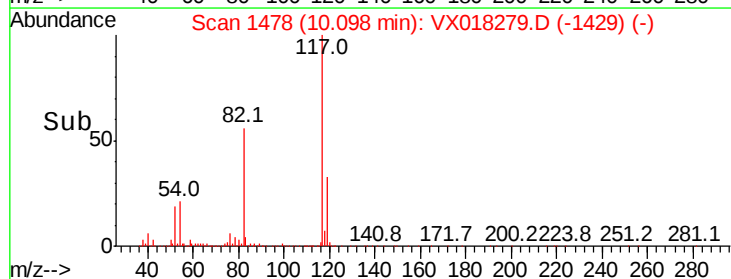
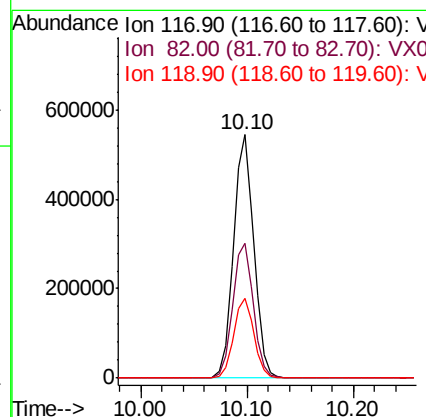
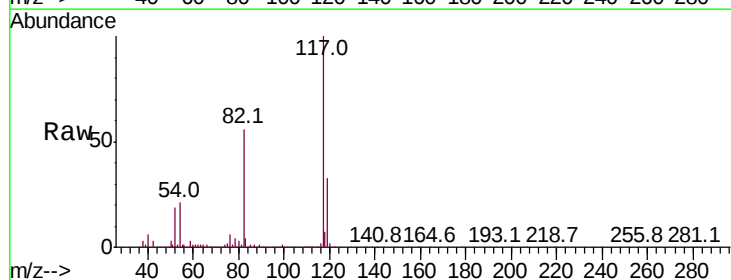
Instrument :
MSVOA_X
ClientSampleId :
PB131451TB

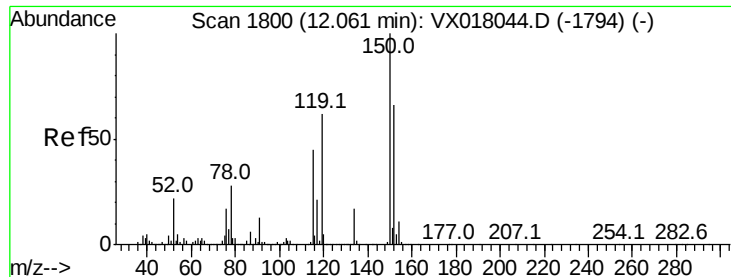
Tot Ion: 95 Resp: 355766
Ion Ratio Lower Upper
95 100
174 82.8 0.0 160.2
176 76.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018279.D
Acq: 08 Sep 2020 16:48

Tgt Ion: 117 Resp: 729317
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 32.6 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: VX018279.D

Acq: 08 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

PB131451TB

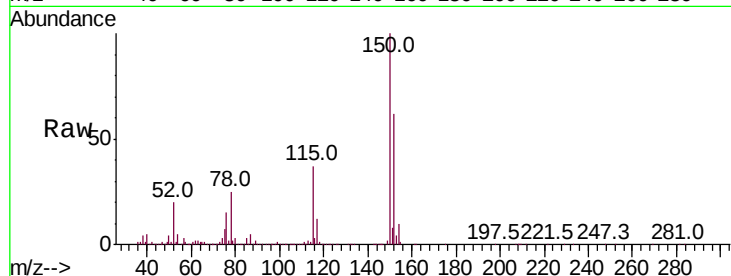
Tot Ion:152 Resp: 385066

Ion Ratio Lower Upper

152 100

115 59.1 41.5 124.5

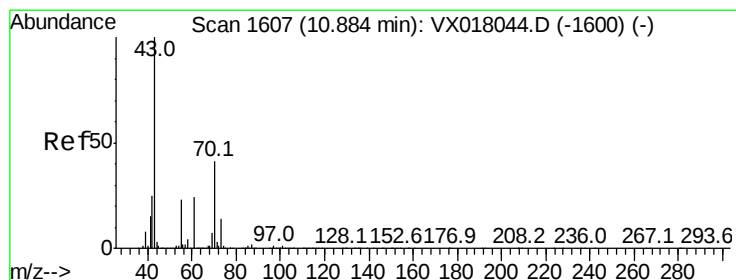
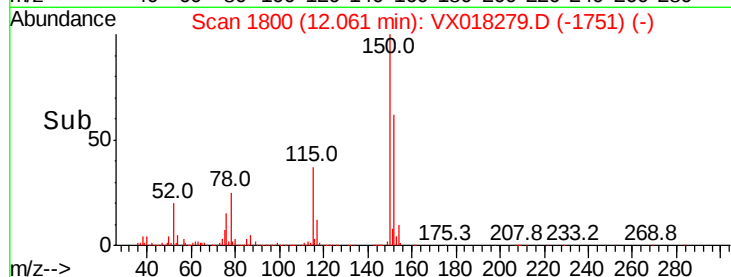
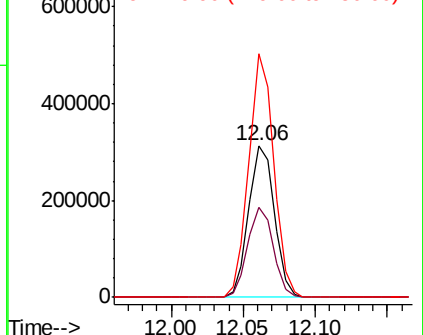
150 155.9 0.0 343.8



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



#74

N-ethyl acetate

Concen: 0.404 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018279.D

Acq: 08 Sep 2020 16:48

Tgt Ion: 43 Resp: 4867

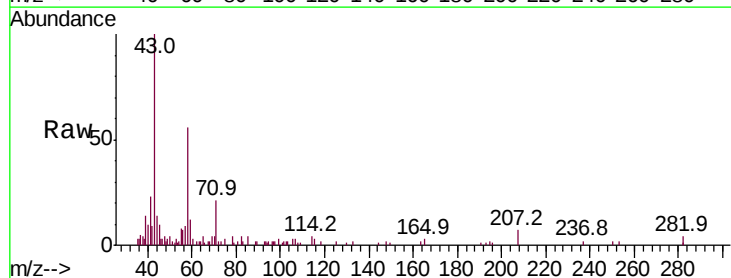
Ion Ratio Lower Upper

43 100

70 6.9 32.3 48.5#

55 17.2 18.2 27.2#

61 0.0 18.9 28.3#

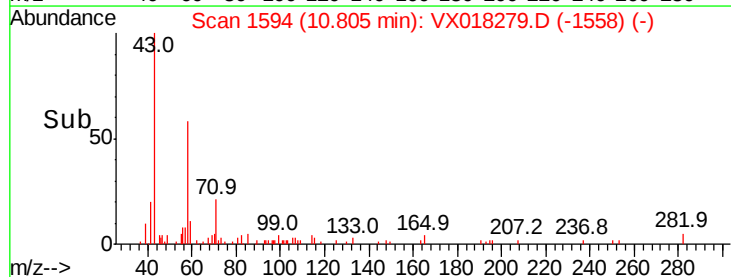
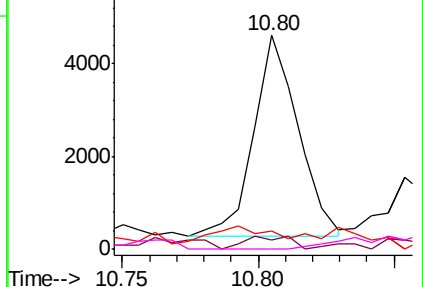


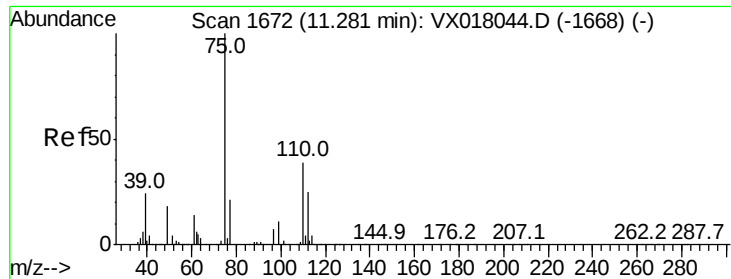
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

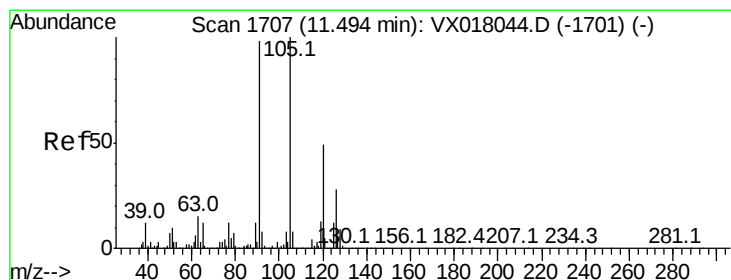
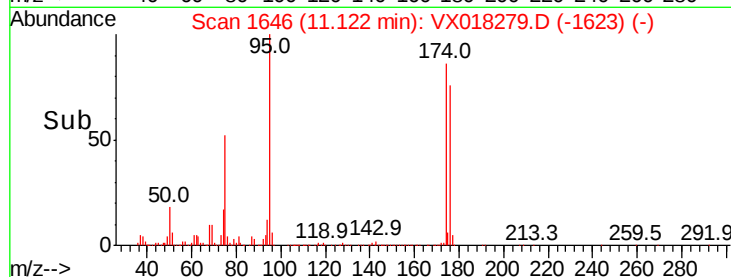
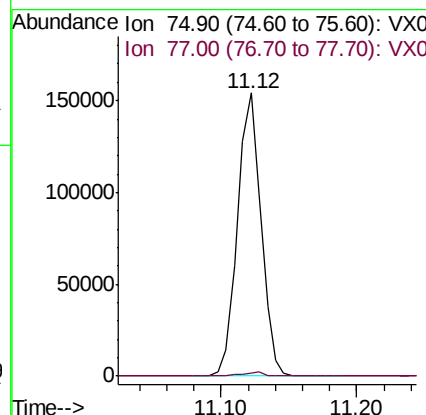
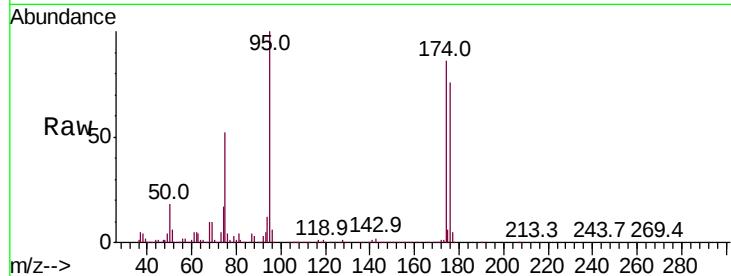




#76
 1,2,3-Trichloropropane
 Concen: 21.724 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018279.D
 Acq: 08 Sep 2020 16:48

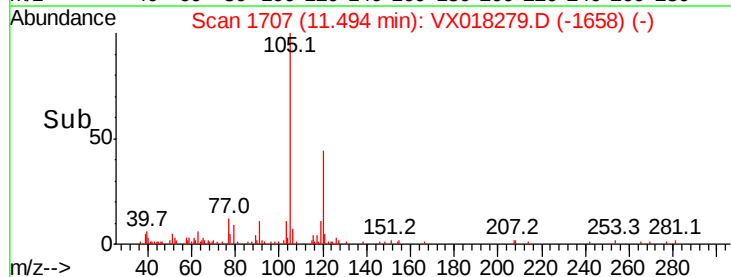
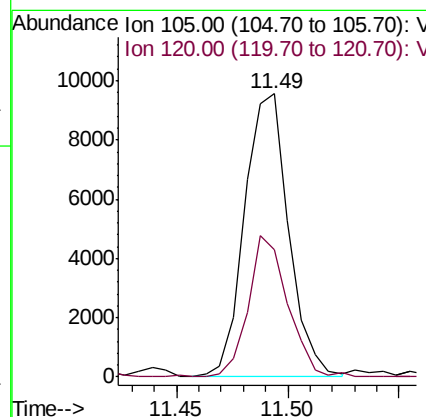
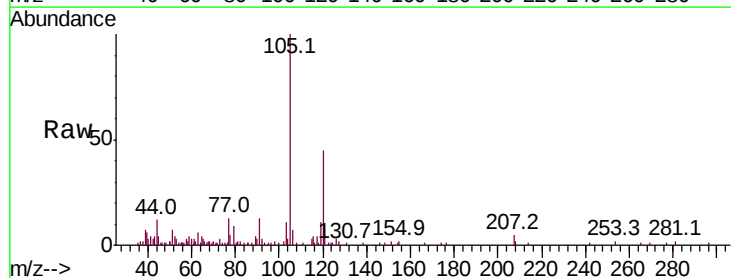
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451TB

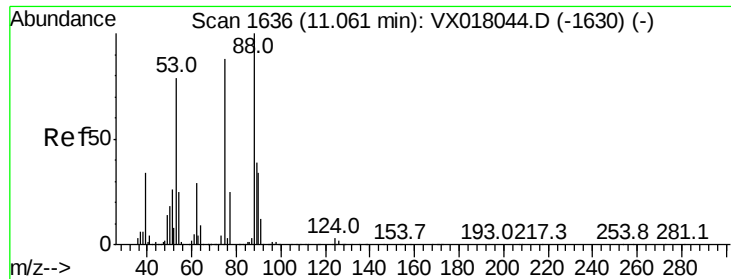
Tot Ion: 75 Resp: 186087
 Ion Ratio Lower Upper
 75 100
 77 1.7 20.8 62.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.635 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX018279.D
 Acq: 08 Sep 2020 16:48

Tgt Ion: 105 Resp: 13250
 Ion Ratio Lower Upper
 105 100
 120 44.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 58.673 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018279.D

Acq: 08 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

PB131451TB

Tot Ion: 75 Resp: 186087

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.2 36.6 54.8#

