

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090120\
 Data File : VX018196.D
 Acq On : 01 Sep 2020 16:48
 Operator : JC/SP
 Sample : PB131314ZHE#12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#12

Quant Time: Sep 02 02:51:58 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	421525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	709428	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	705536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	333529	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	319553	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	
35) Dibromofluoromethane	5.46	113	247398	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
50) Toluene-d8	8.70	98	912010	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.12	95	340846	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	

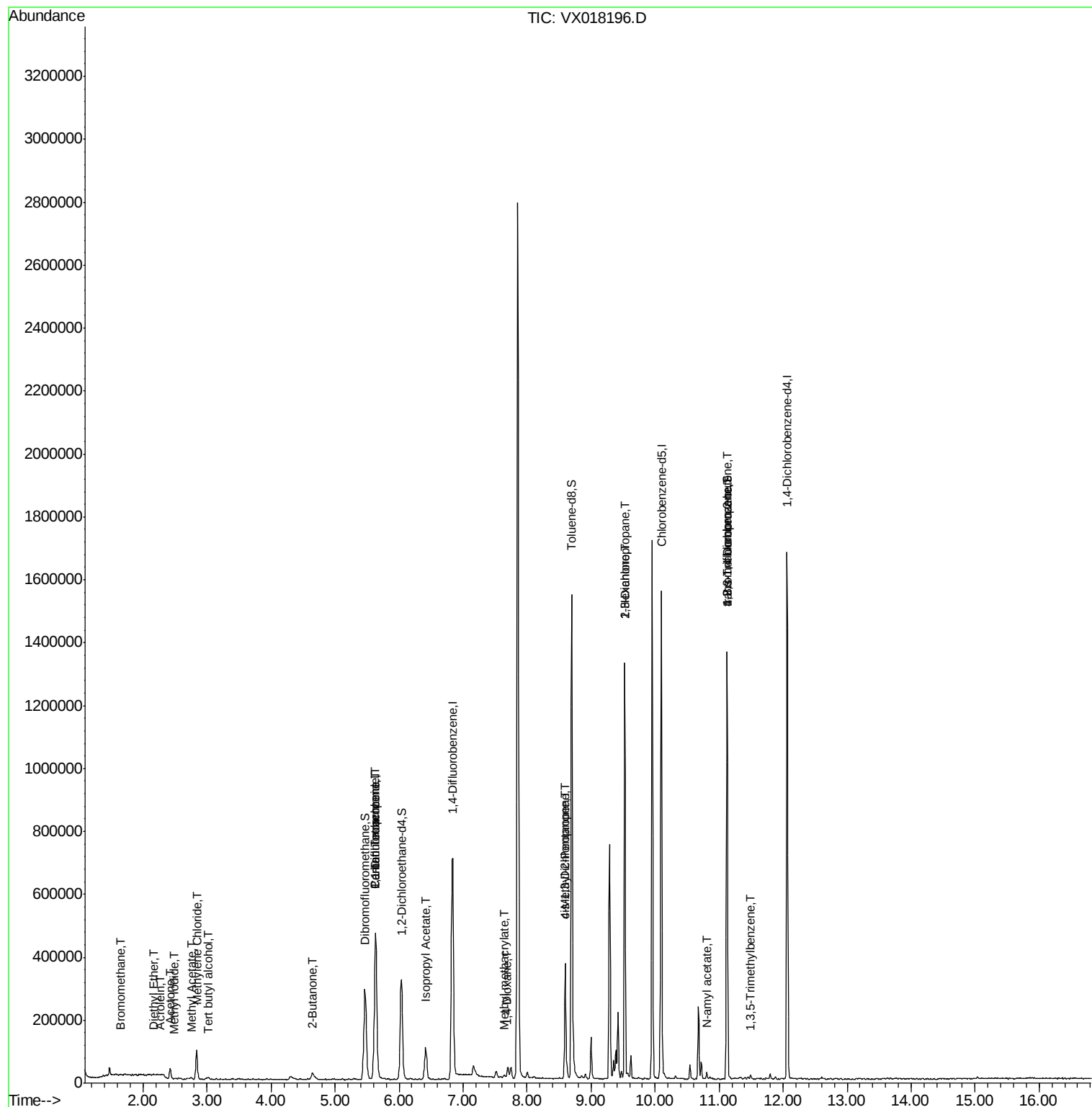
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	597	0.230	ug/l #	3
8) Diethyl Ether	2.18	74	2285	0.917	ug/l	67
10) Methyl Iodide	2.49	142	223	5.334	ug/l #	10
11) Tert butyl alcohol	3.03	59	7757	6.817	ug/l	99
13) Acrolein	2.26	56	287	0.608	ug/l #	1
16) Acetone	2.42	43	34863	15.289	ug/l	94
18) Methyl Acetate	2.75	43	7553	1.373	ug/l #	74
20) Methylene Chloride	2.84	84	44012	8.470	ug/l	96
25) 2-Butanone	4.65	43	29325	7.825	ug/l	93
36) 1,1-Dichloropropene	5.64	75	32792	5.011	ug/l #	54
38) Carbon Tetrachloride	5.63	117	45031	6.107	ug/l #	18
43) Isopropyl Acetate	6.41	43	146056	11.899	ug/l	99
48) Methyl methacrylate	7.65	41	9118	1.492	ug/l #	17
49) 1,4-Dioxane	7.68	88	37	0.334	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	133784	17.644	ug/l #	52
54) cis-1,3-Dichloropropene	8.60	75	58849	6.889	ug/l #	64
57) 1,3-Dichloropropane	9.52	76	10164	1.185	ug/l #	44
59) 2-Hexanone	9.52	43	146508	25.411	ug/l #	51
74) N-amyl acetate	10.81	43	9950	0.953	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	172347	23.229	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	4250	0.235	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.12	75	172347	62.738	ug/l #	12

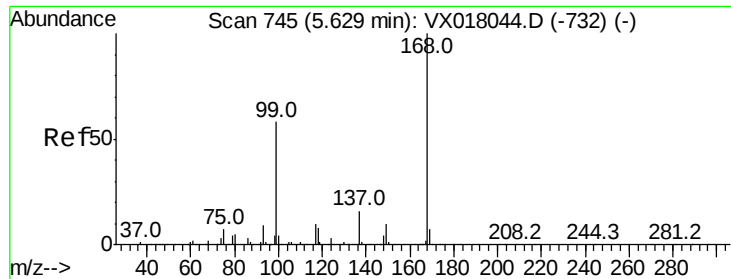
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090120\
Data File : VX018196.D
Acq On : 01 Sep 2020 16:48
Operator : JC/SP
Sample : PB131314ZHE#12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#12

Quant Time: Sep 02 02:51:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration



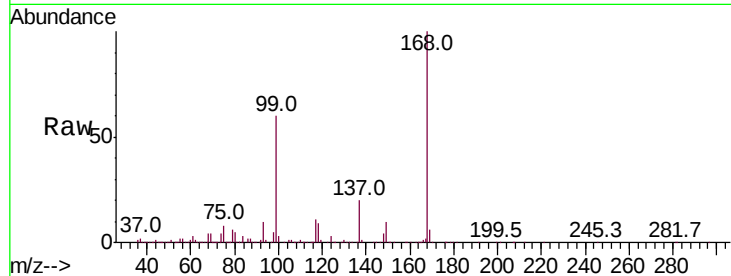


#1

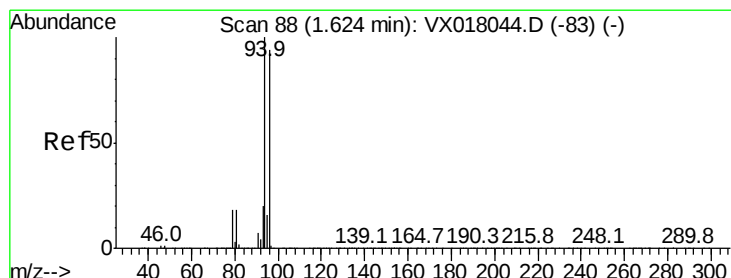
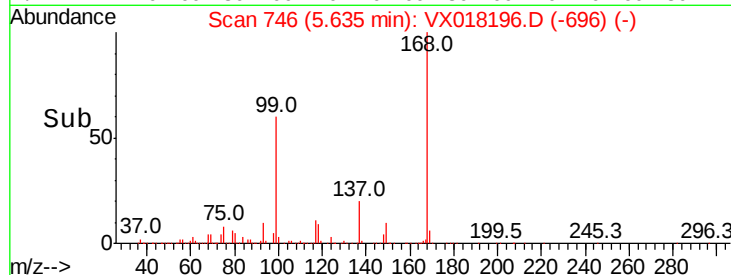
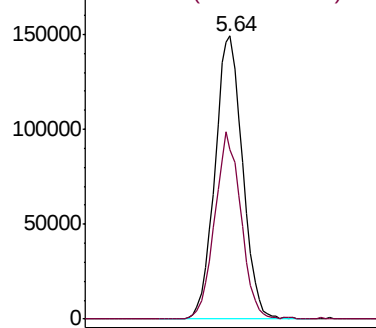
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VX018196.D
 Acq: 01 Sep 2020 16:48

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#12

Tot Ion:168 Resp: 421525
 Ion Ratio Lower Upper
 168 100
 99 60.0 46.3 69.5



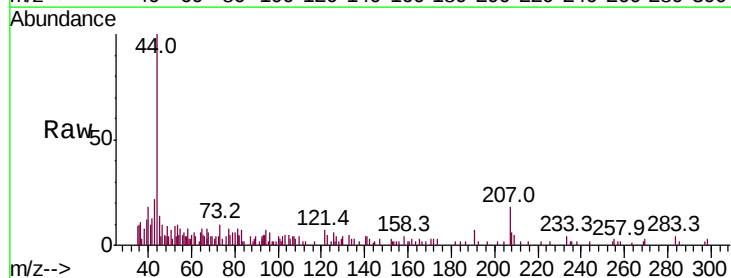
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



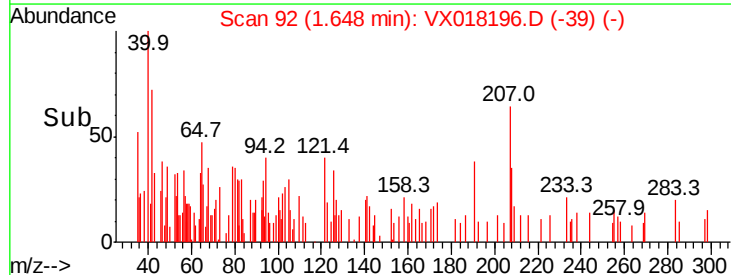
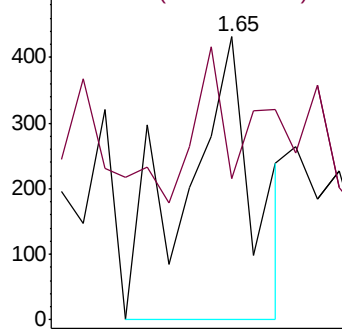
#5

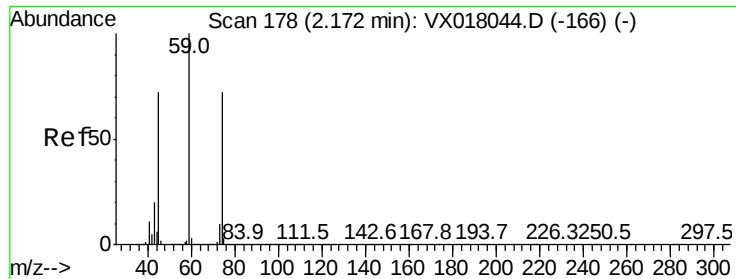
Bromomethane
 Concen: 0.230 ug/l
 RT: 1.65 min Scan# 92
 Delta R.T. 0.02 min
 Lab File: VX018196.D
 Acq: 01 Sep 2020 16:48

Tgt Ion: 94 Resp: 597
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0
 Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.917 ug/l

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX018196.D

Acq: 01 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

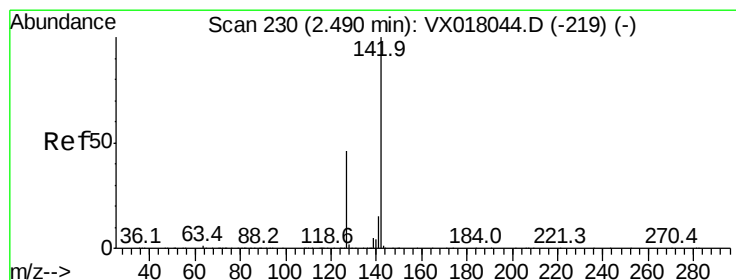
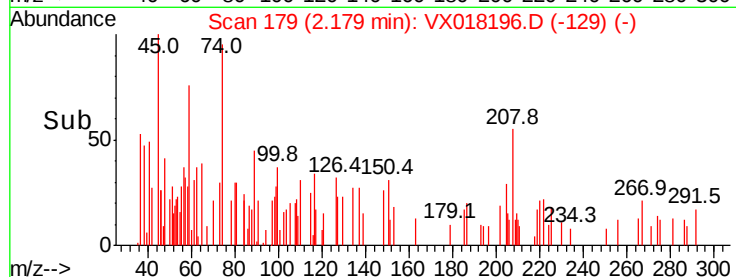
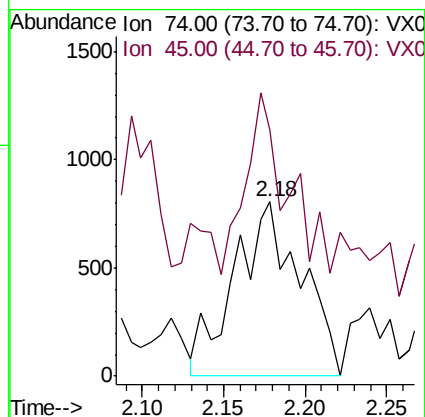
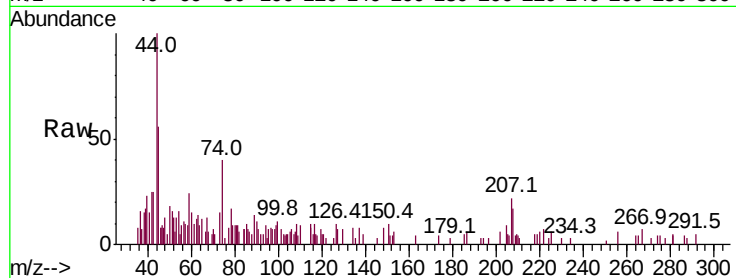
PB131314ZHE#12

Tot Ion: 74 Resp: 2285

Ion Ratio Lower Upper

74 100

45 68.6 50.7 152.3



#10

Methyl Iodide

Concen: 5.334 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018196.D

Acq: 01 Sep 2020 16:48

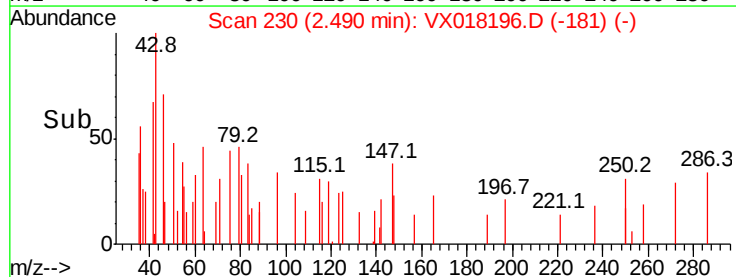
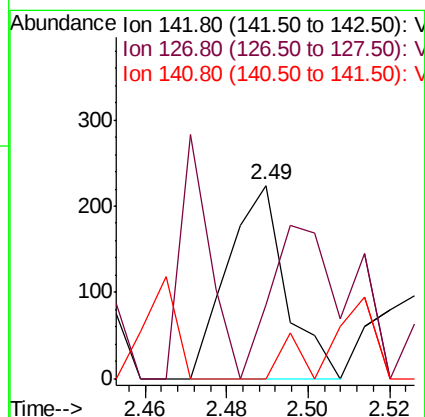
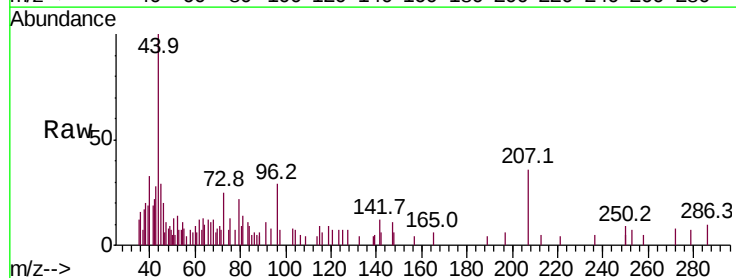
Tgt Ion: 142 Resp: 223

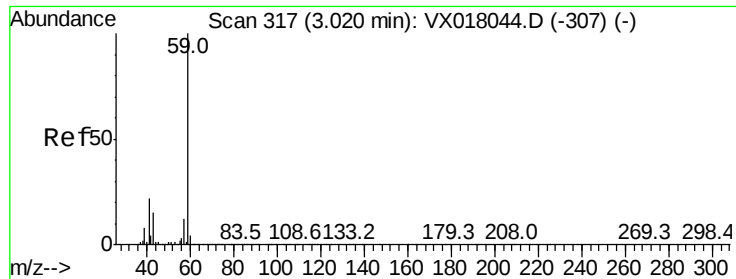
Ion Ratio Lower Upper

142 100

127 117.0 37.0 55.6#

141 0.0 11.5 17.3#



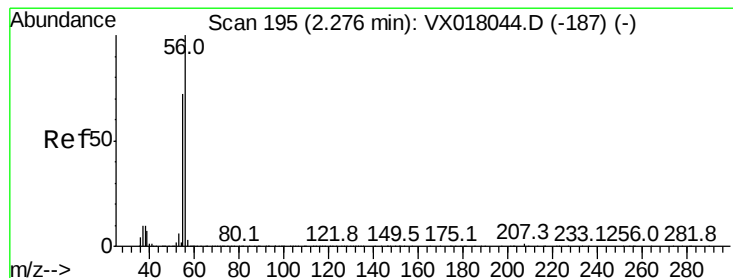
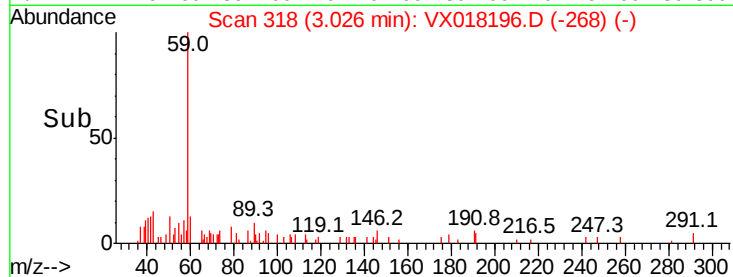
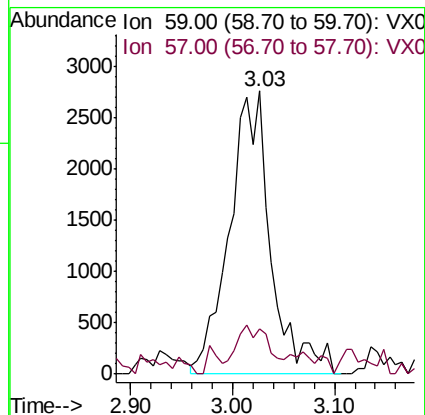
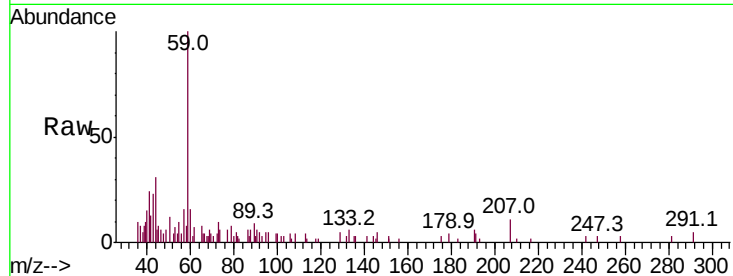


#11

Tert butyl alcohol
 Concen: 6.817 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX018196.D
 Acq: 01 Sep 2020 16:48

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#12

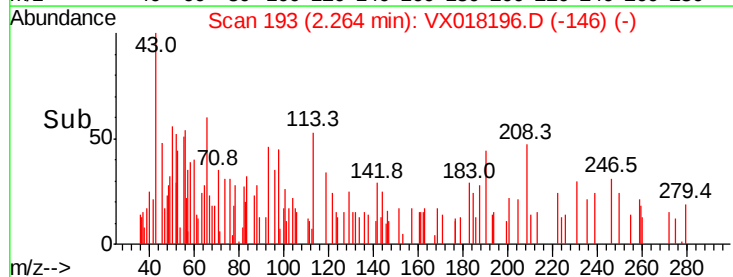
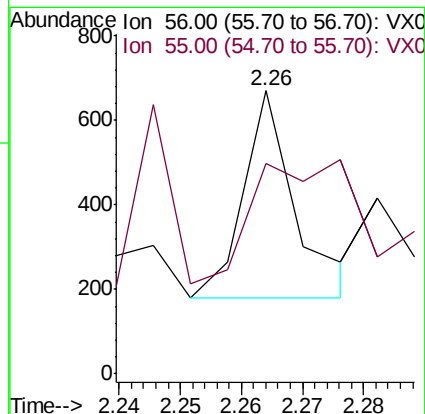
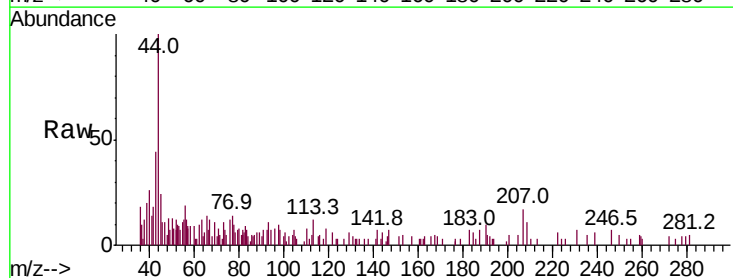
Tot Ion: 59 Resp: 7757
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.9 13.3

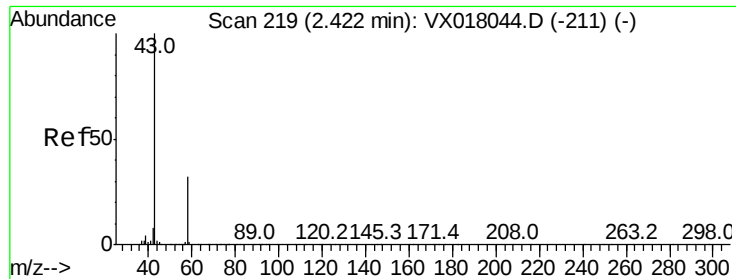


#13

Acrolein
 Concen: 0.608 ug/l
 RT: 2.26 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VX018196.D
 Acq: 01 Sep 2020 16:48

Tgt Ion: 56 Resp: 287
 Ion Ratio Lower Upper
 56 100
 55 172.5 57.0 85.6#

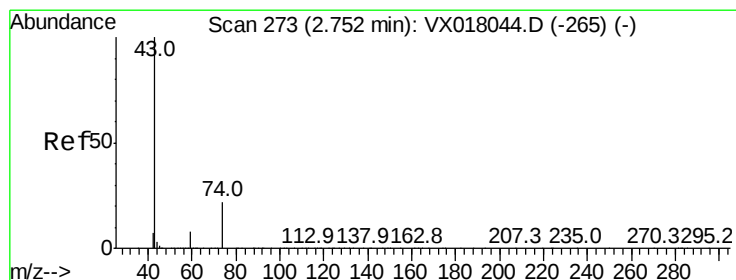
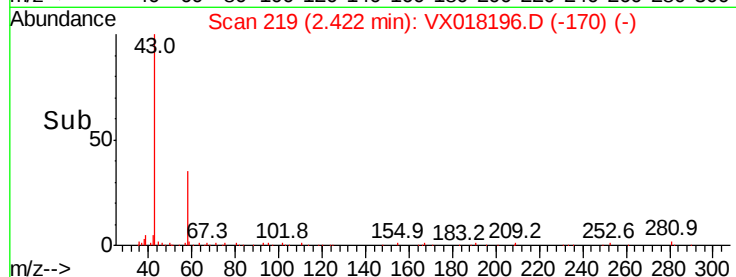
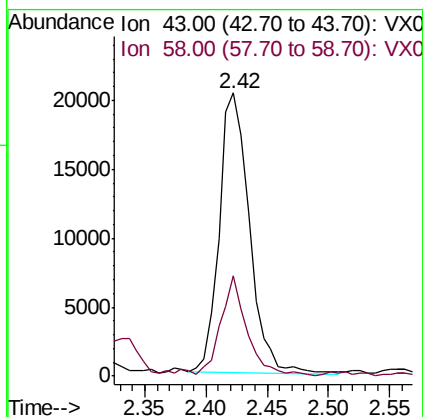
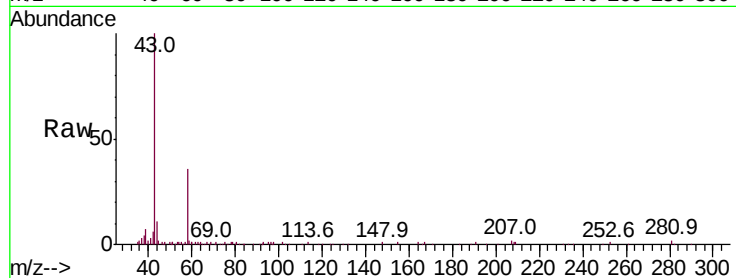




#16
Acetone
Concen: 15.289 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX018196.D
Acq: 01 Sep 2020 16:48

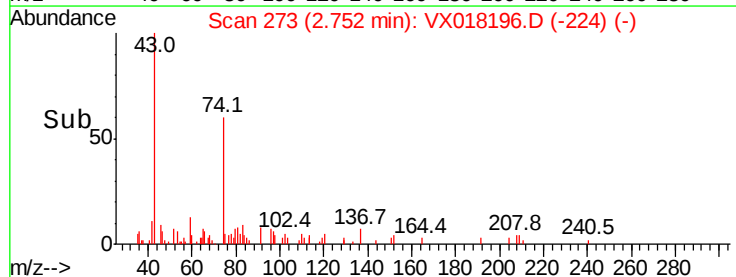
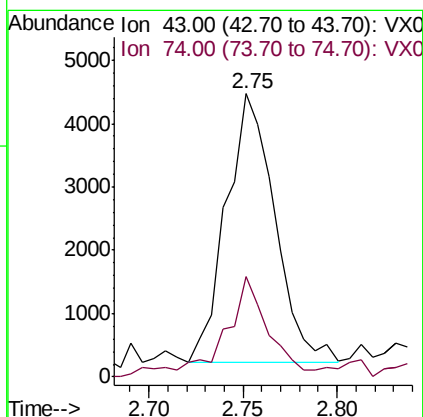
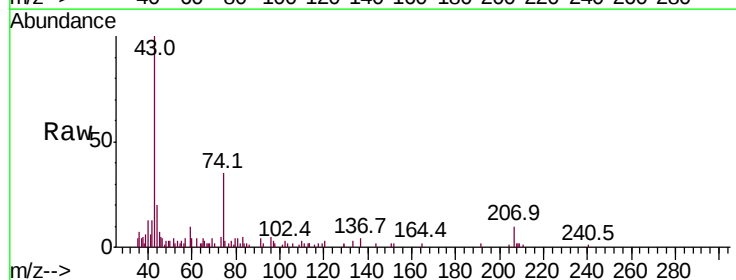
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#12

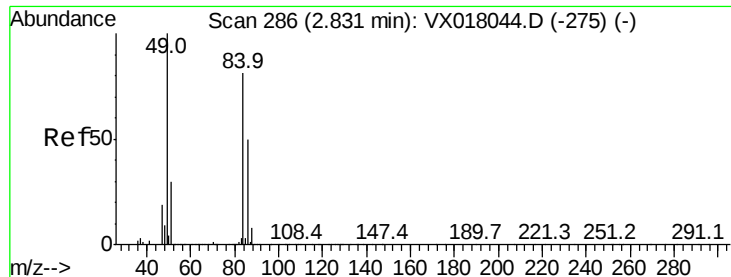
Tot Ion: 43 Resp: 34863
Ion Ratio Lower Upper
43 100
58 35.1 25.5 38.3



#18
Methyl Acetate
Concen: 1.373 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018196.D
Acq: 01 Sep 2020 16:48

Tgt Ion: 43 Resp: 7553
Ion Ratio Lower Upper
43 100
74 35.2 18.2 27.4#

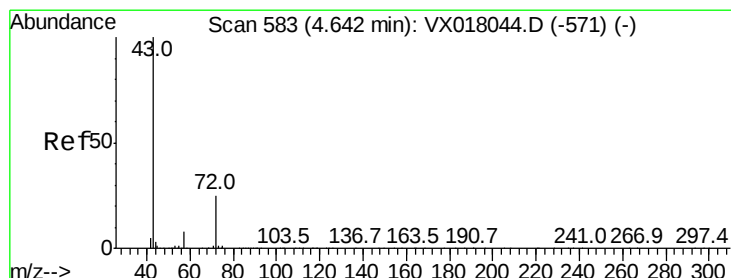
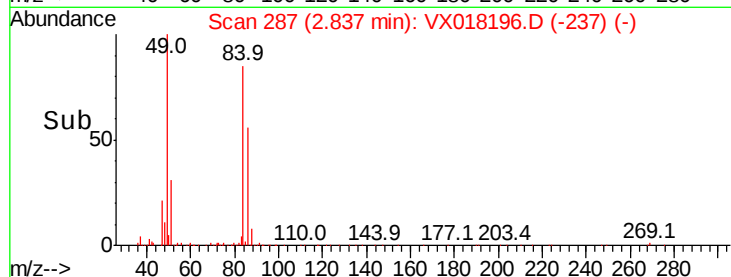
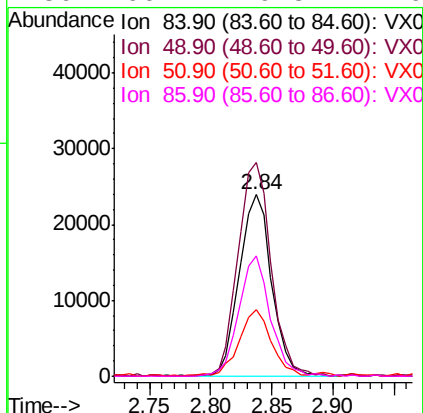
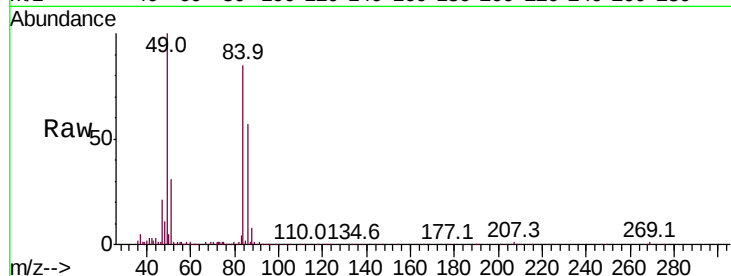




#20
Methvlene Chloride
Concen: 8.470 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018196.D
Acq: 01 Sep 2020 16:48

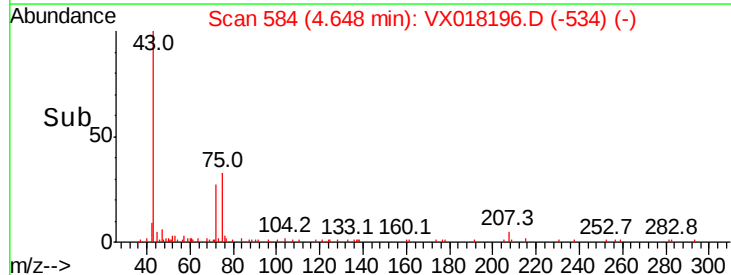
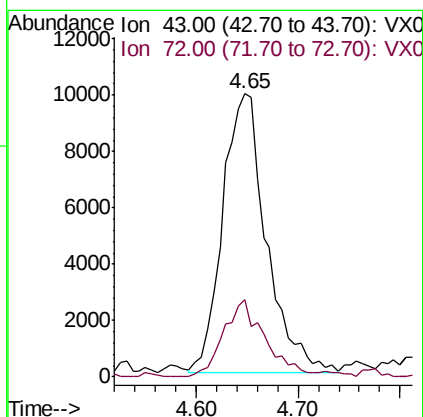
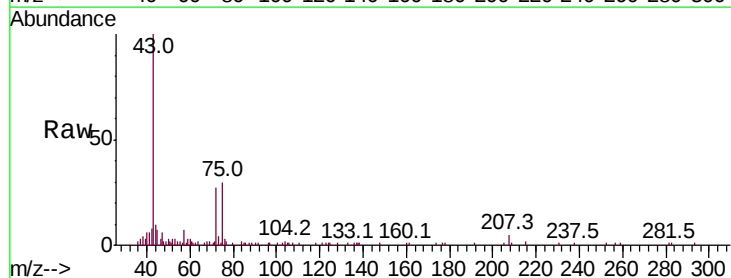
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#12

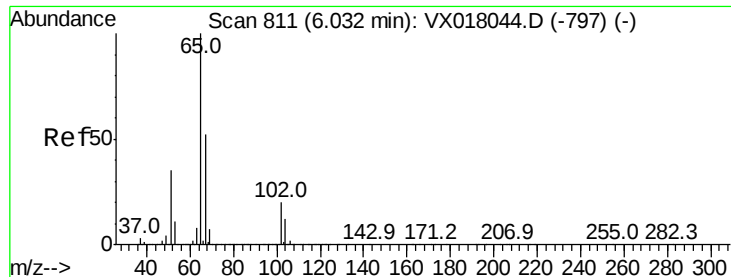
Tot Ion:	84	Resp:	44012
Ion	Ratio	Lower	Upper
84	100		
49	117.5	98.6	148.0
51	36.7	29.6	44.4
86	66.4	49.8	74.6



#25
2-Butanone
Concen: 7.825 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018196.D
Acq: 01 Sep 2020 16:48

Tgt Ion:	43	Resp:	29325
Ion	Ratio	Lower	Upper
43	100		
72	28.0	19.8	29.6





#33

1,2-Dichloroethane-d4

Concen: 54.607 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018196.D

Acq: 01 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

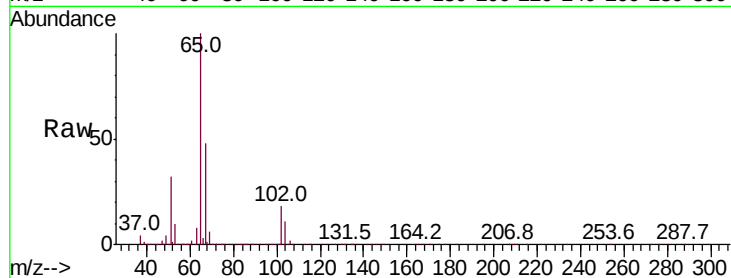
PB131314ZHE#12

Tot Ion: 65 Resp: 319553

Ion Ratio Lower Upper

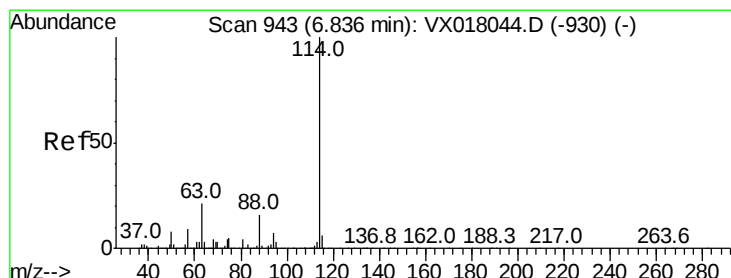
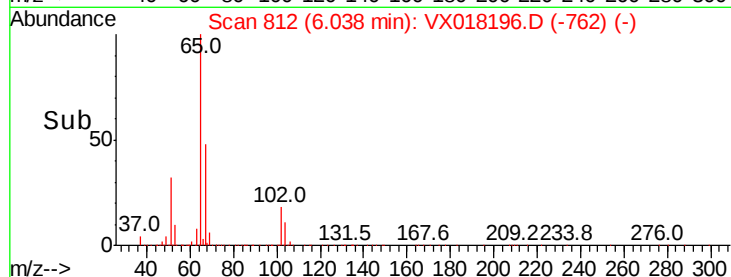
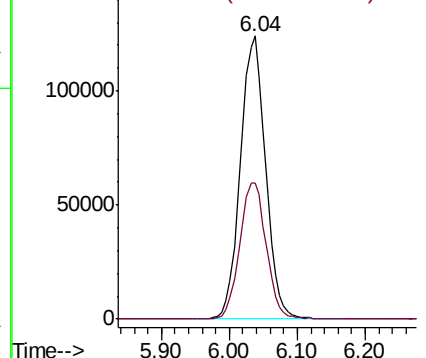
65 100

67 50.7 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: VX018196.D

Acq: 01 Sep 2020 16:48

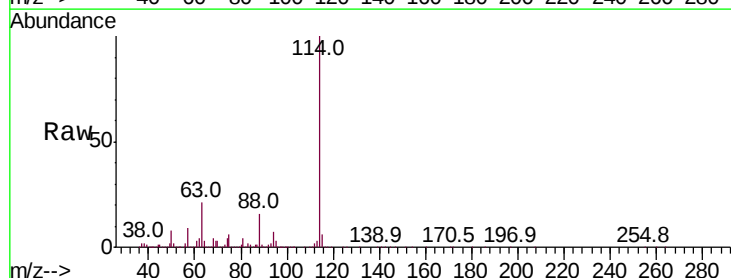
Tgt Ion: 114 Resp: 709428

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

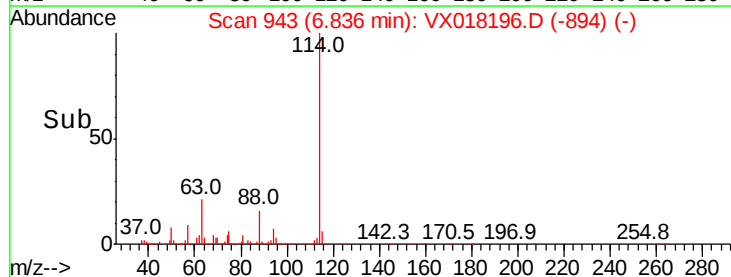
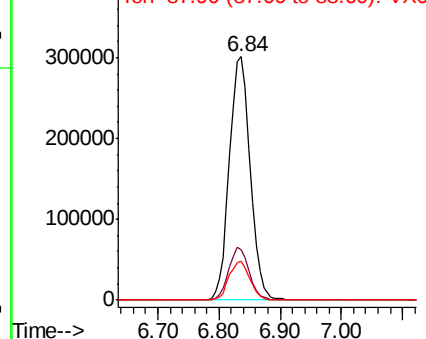
88 16.0 0.0 31.8

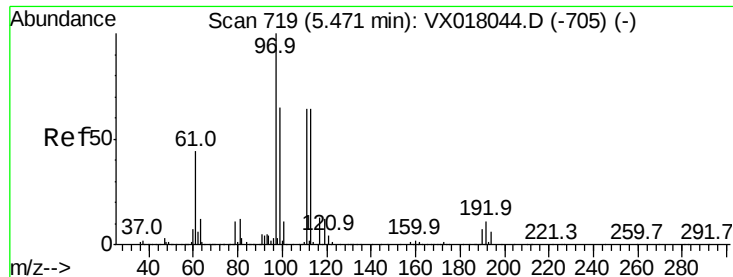


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.205 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018196.D

Acq: 01 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#12

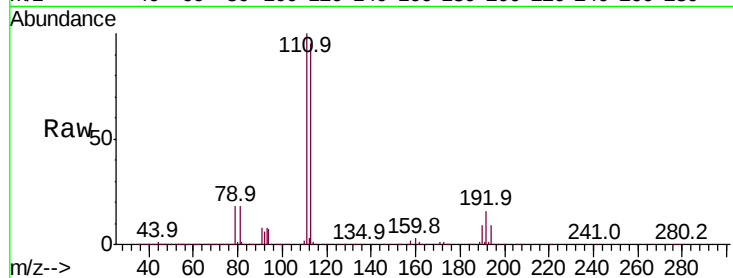
Tot Ion:113 Resp: 247398

Ion Ratio Lower Upper

113 100

111 103.1 81.6 122.4

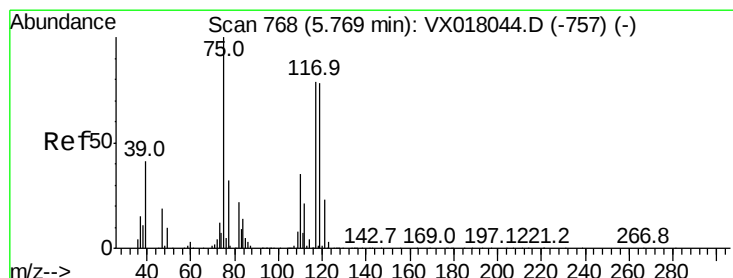
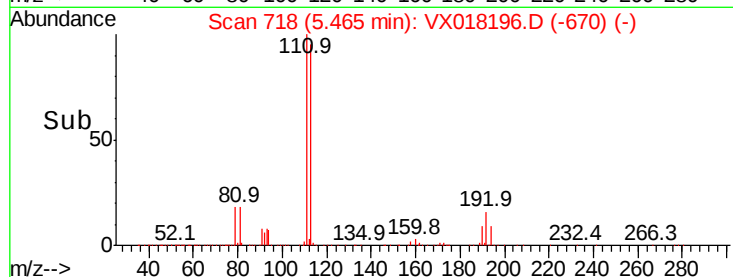
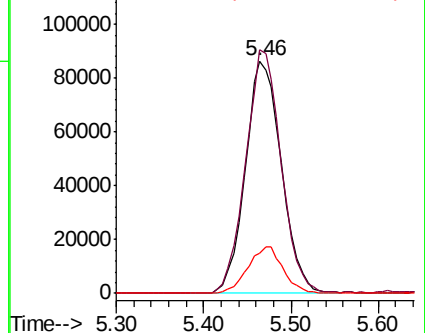
192 19.4 15.8 23.8



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: 5.011 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018196.D

Acq: 01 Sep 2020 16:48

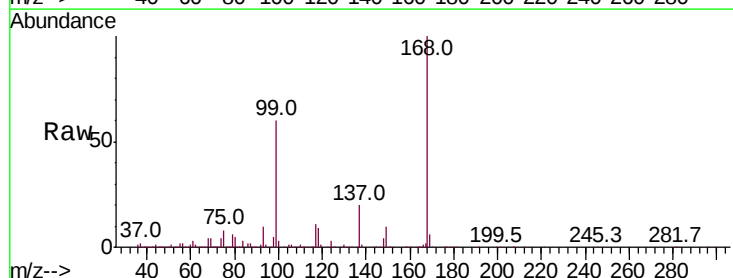
Tgt Ion: 75 Resp: 32792

Ion Ratio Lower Upper

75 100

110 13.1 18.0 54.0#

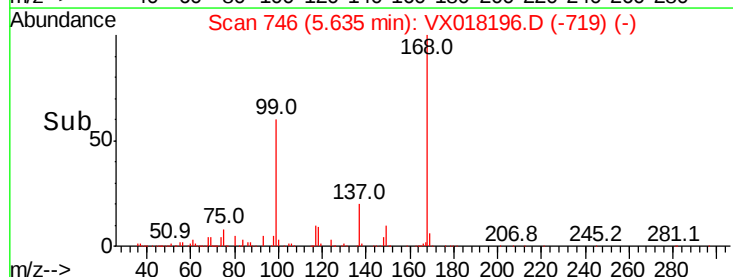
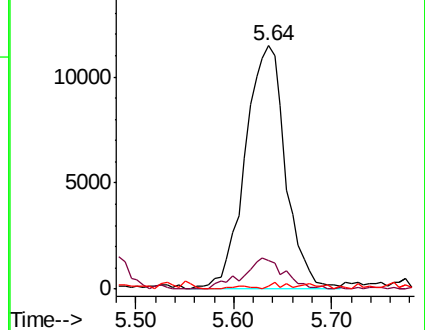
77 1.0 24.4 36.6#

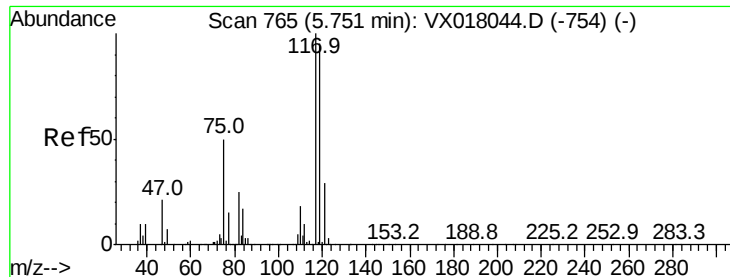


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.107 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018196.D

Acq: 01 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#12

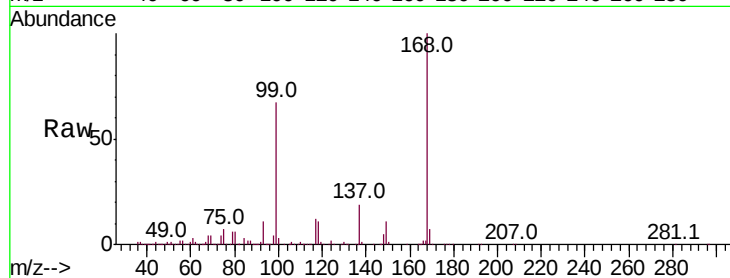
Tot Ion:117 Resp: 45031

Ion Ratio Lower Upper

117 100

119 6.7 75.8 113.6#

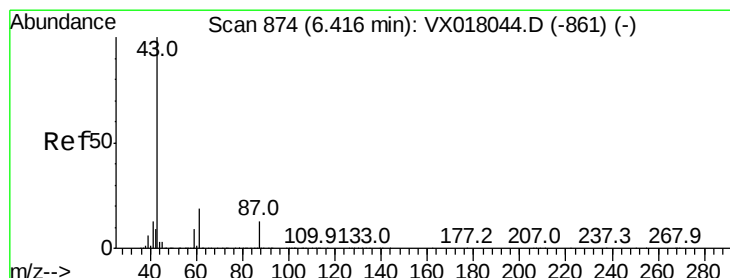
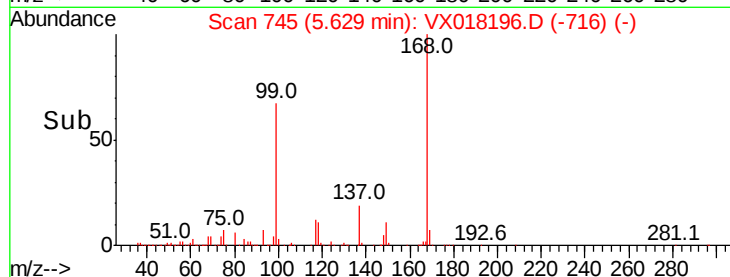
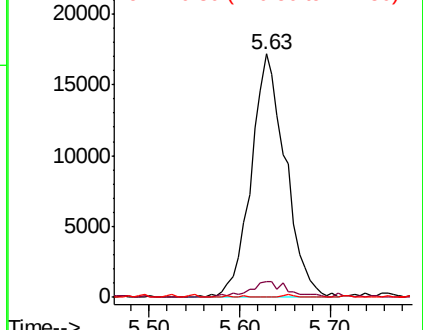
121 0.3 23.4 35.0#



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



#43

Isopropyl Acetate

Concen: 11.899 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX018196.D

Acq: 01 Sep 2020 16:48

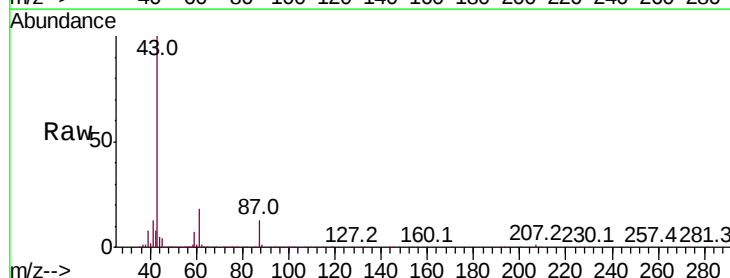
Tgt Ion: 43 Resp: 146056

Ion Ratio Lower Upper

43 100

61 19.2 15.7 23.5

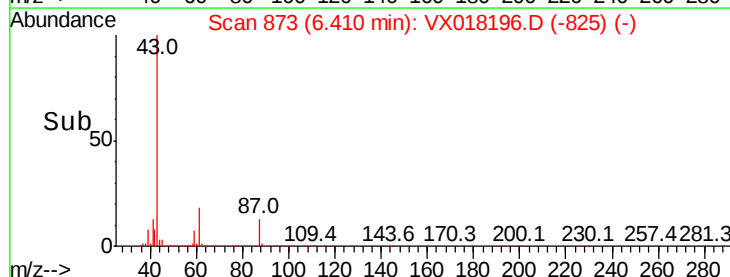
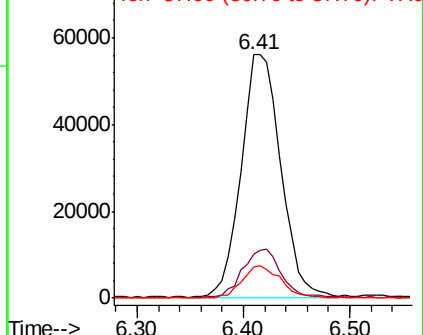
87 13.3 10.3 15.5

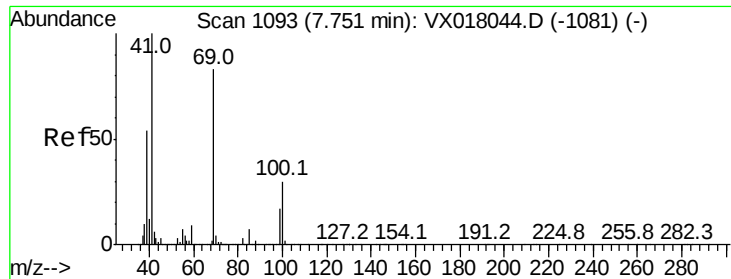


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

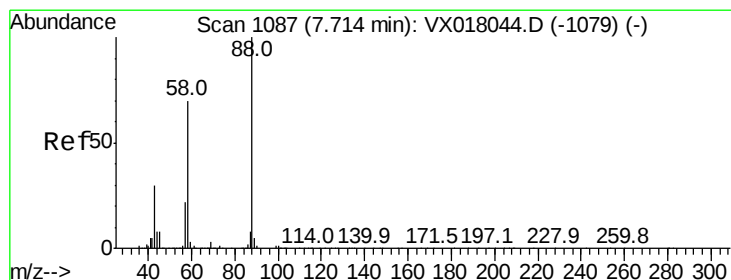
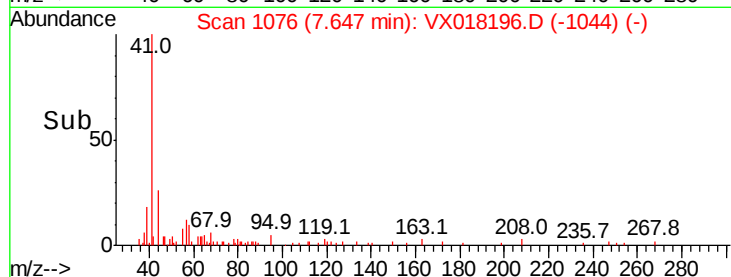
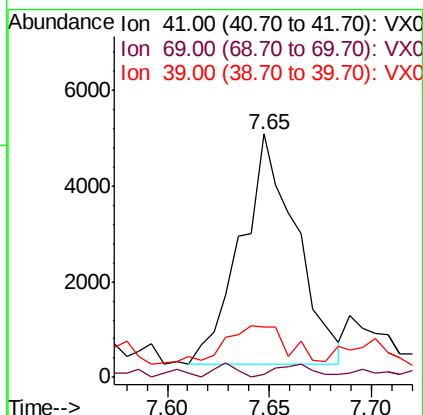
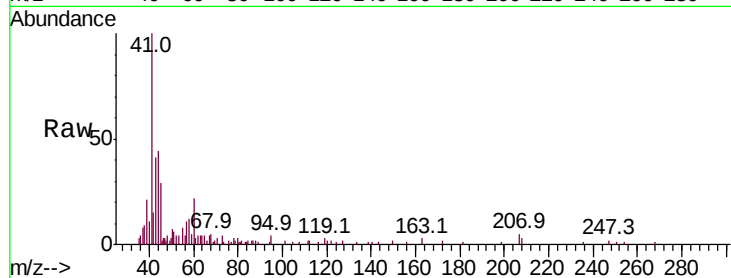




#48
Methyl methacrylate
Concen: 1.492 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.10 min
Lab File: VX018196.D
Acq: 01 Sep 2020 16:48

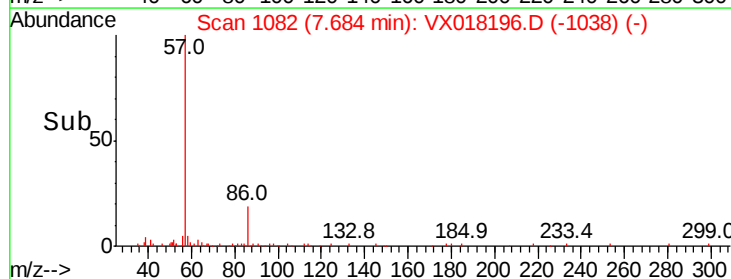
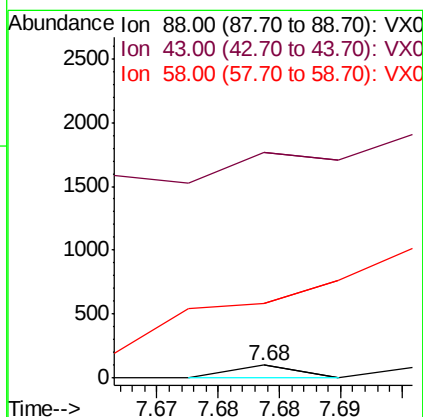
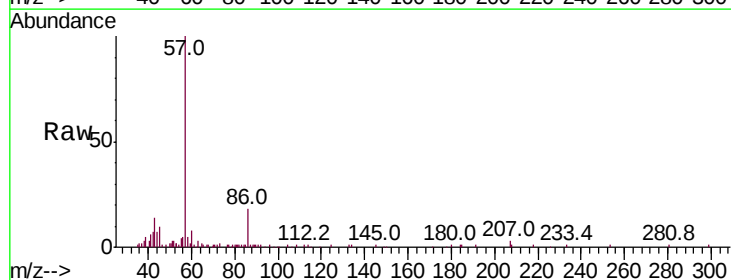
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#12

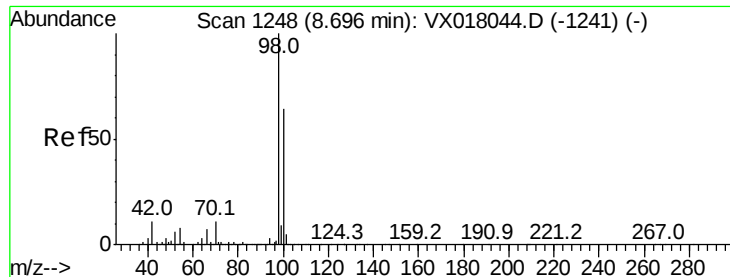
Tot Ion: 41 Resp: 9118
Ion Ratio Lower Upper
41 100
69 4.2 65.5 98.3#
39 0.0 44.5 66.7#



#49
1,4-Dioxane
Concen: 0.334 ug/l
RT: 7.68 min Scan# 1082
Delta R.T. -0.03 min
Lab File: VX018196.D
Acq: 01 Sep 2020 16:48

Tgt Ion: 88 Resp: 37
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 4862.2 56.4 84.6#





#50

Toluene-d8

Concen: 50.680 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018196.D

Acq: 01 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

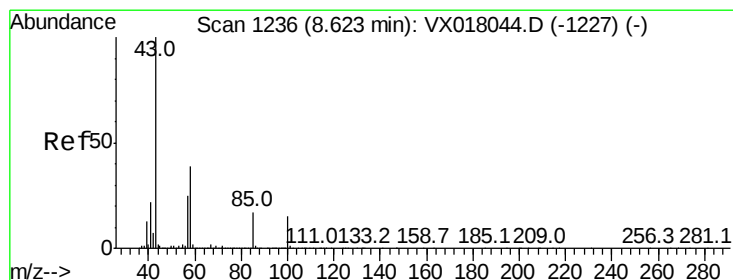
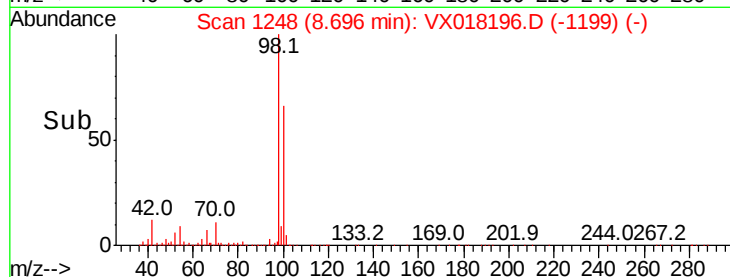
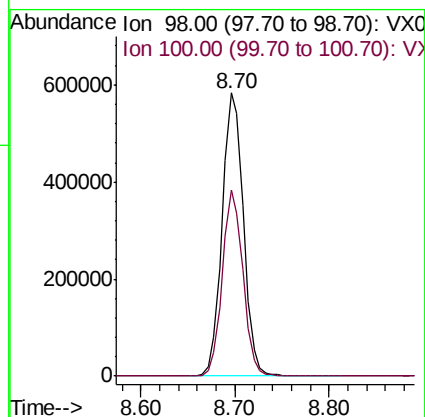
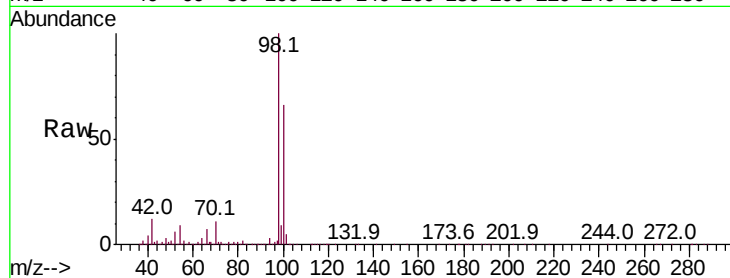
PB131314ZHE#12

Tot Ion: 98 Resp: 912010

Ion Ratio Lower Upper

98 100

100 63.6 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 17.644 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018196.D

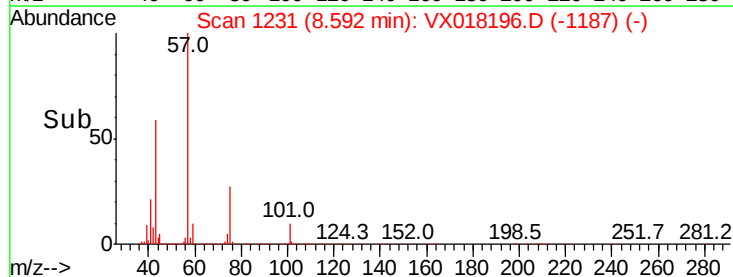
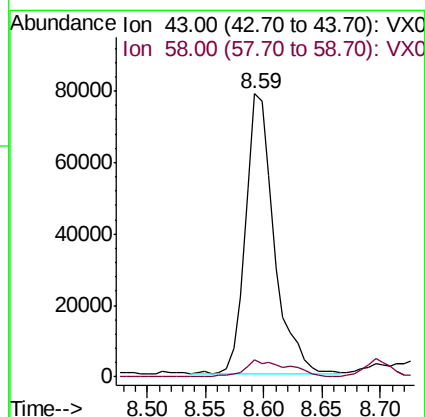
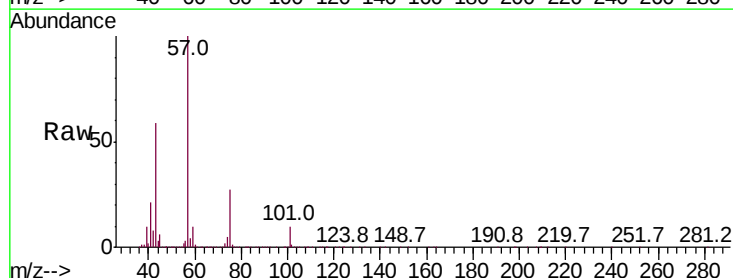
Acq: 01 Sep 2020 16:48

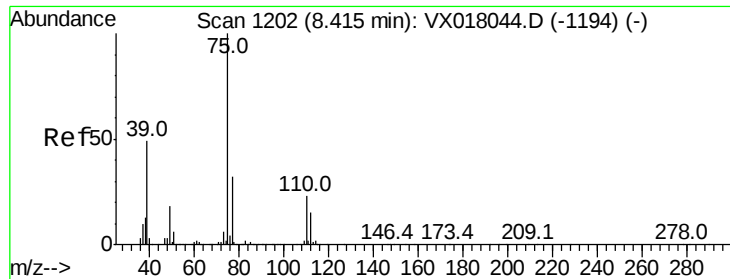
Tgt Ion: 43 Resp: 133784

Ion Ratio Lower Upper

43 100

58 9.6 30.7 46.1#





#54

cis-1,3-Dichloropropene

Concen: 6.889 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018196.D

Acq: 01 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#12

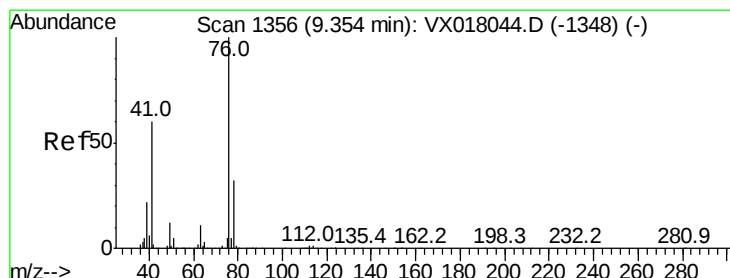
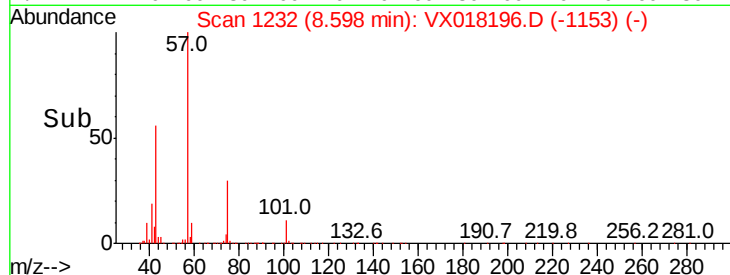
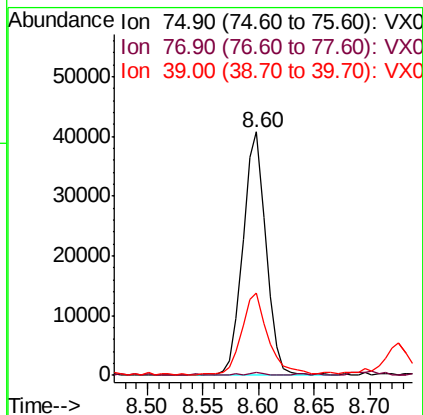
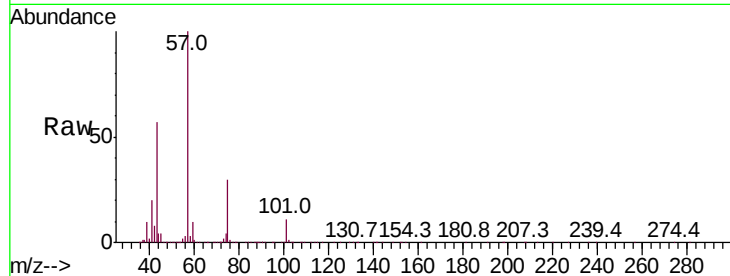
Tot Ion: 75 Resp: 58849

Ion Ratio Lower Upper

75 100

77 0.9 25.8 38.8#

39 33.6 38.8 58.2#



#57

1,3-Dichloropropane

Concen: 1.185 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX018196.D

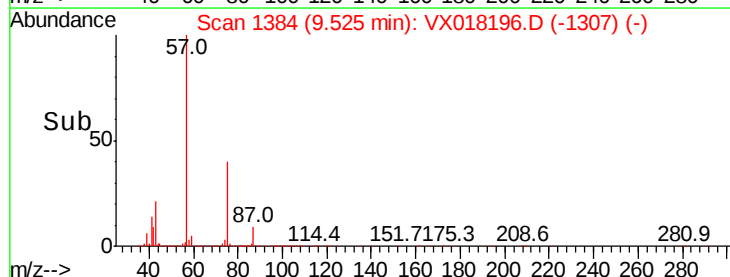
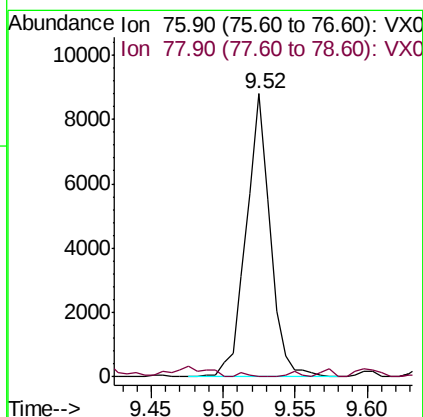
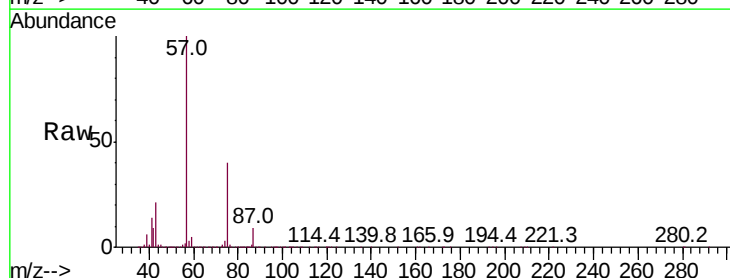
Acq: 01 Sep 2020 16:48

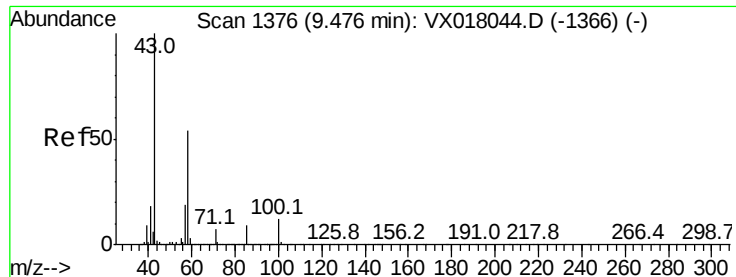
Tgt Ion: 76 Resp: 10164

Ion Ratio Lower Upper

76 100

78 0.7 25.8 38.6#





#59

2-Hexanone

Concen: 25.411 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX018196.D

Acq: 01 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

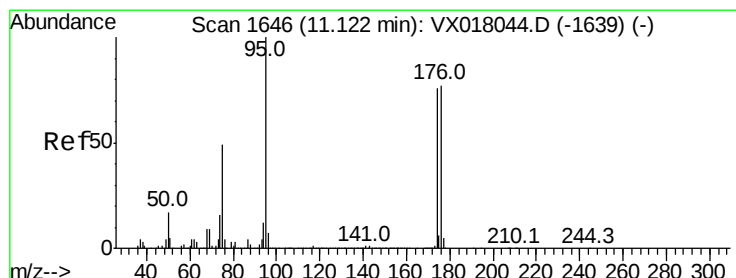
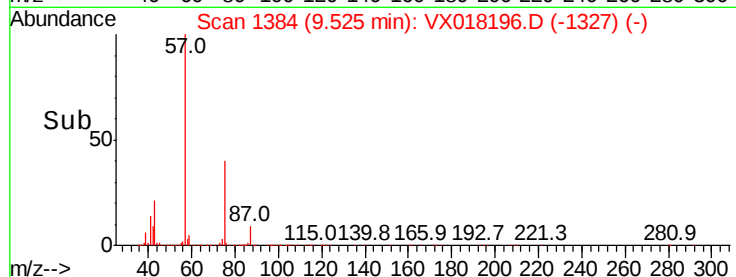
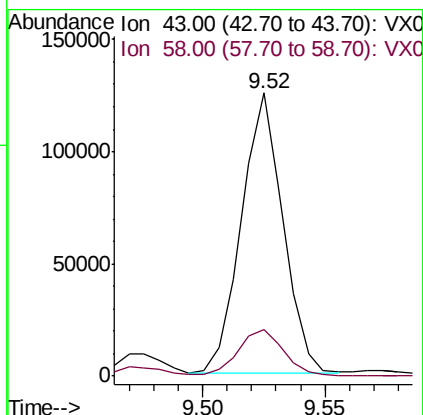
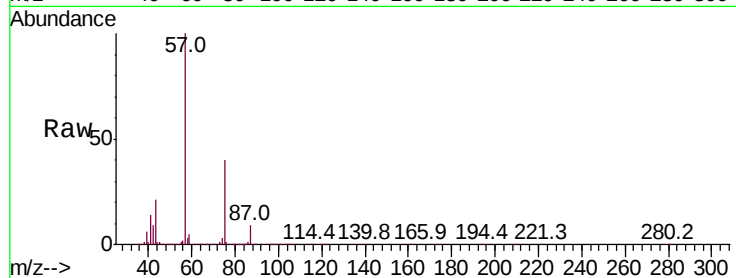
PB131314ZHE#12

Tot Ion: 43 Resp: 146508

Ion Ratio Lower Upper

43 100

58 18.1 26.6 79.7#



#62

4-Bromofluorobenzene

Concen: 48.141 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018196.D

Acq: 01 Sep 2020 16:48

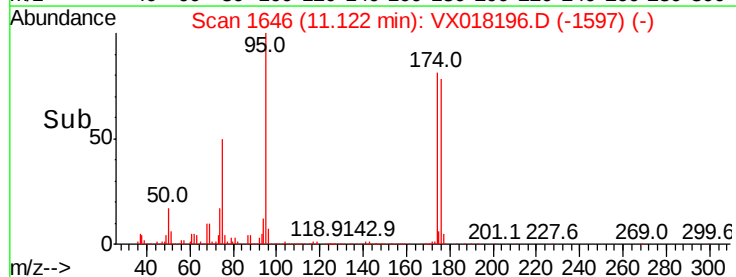
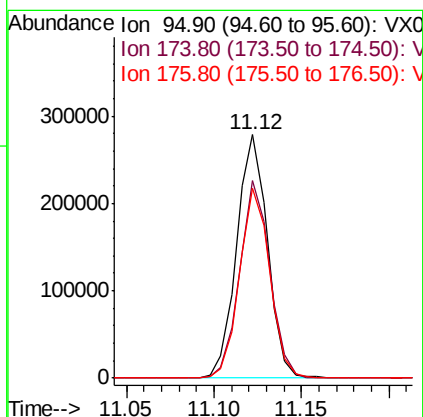
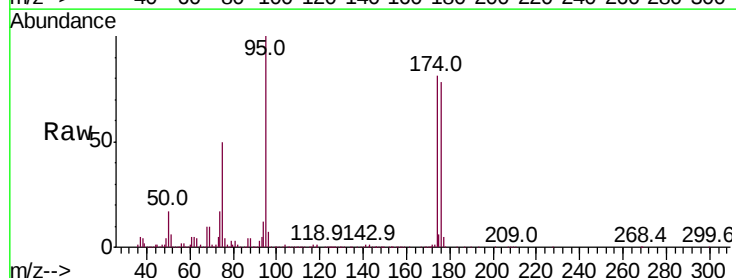
Tgt Ion: 95 Resp: 340846

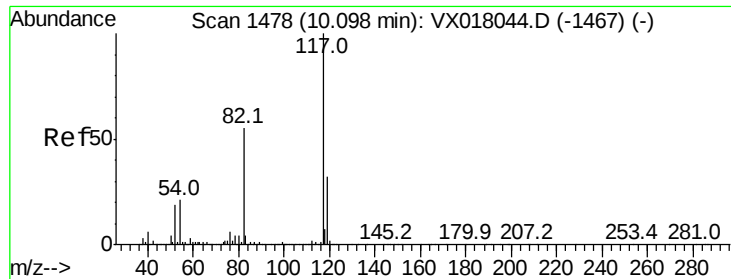
Ion Ratio Lower Upper

95 100

174 79.4 0.0 160.2

176 76.5 0.0 155.8

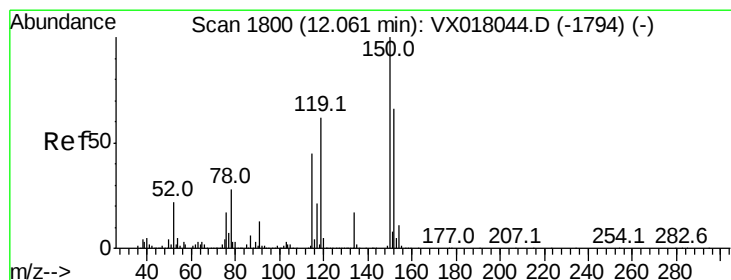
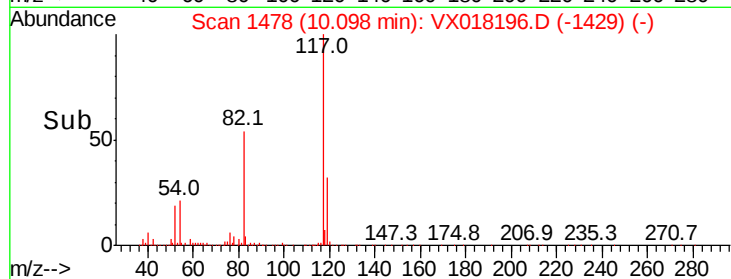
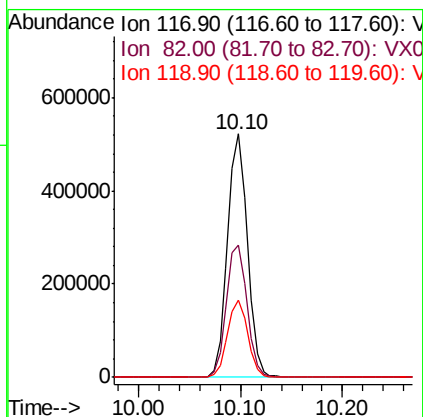
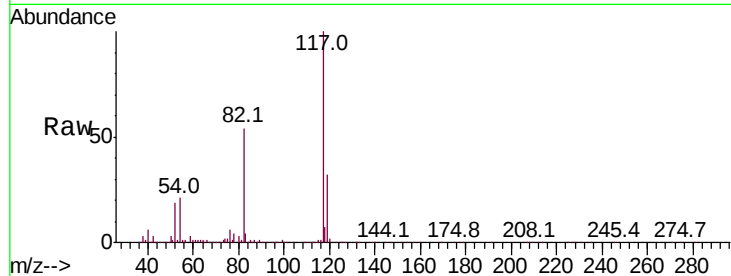




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018196.D
Acq: 01 Sep 2020 16:48

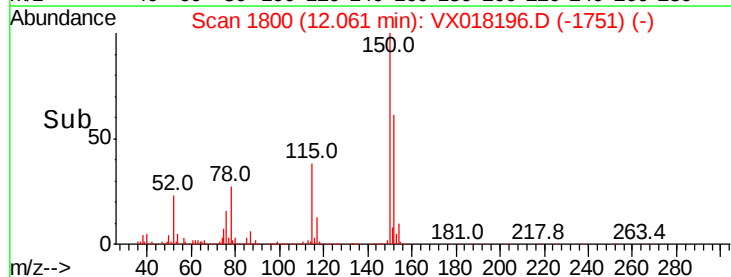
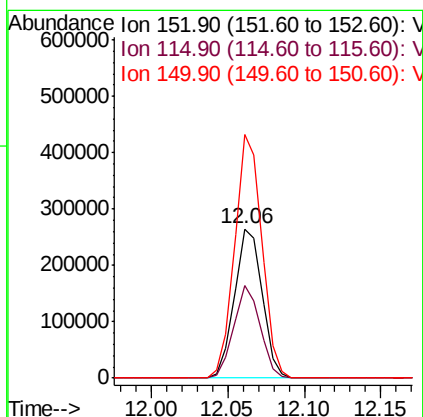
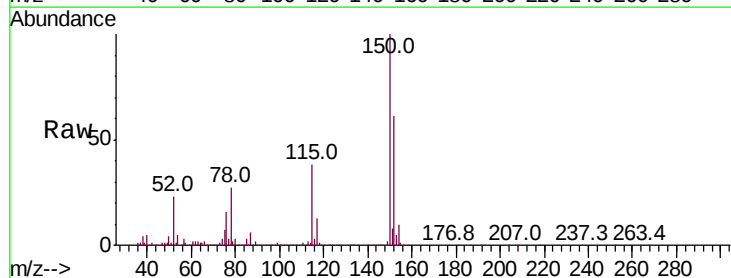
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#12

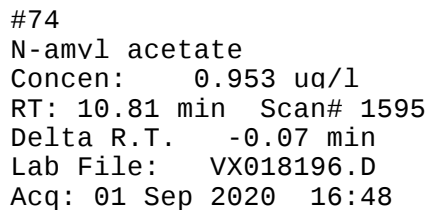
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.2	66.2
119	31.5	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018196.D
Acq: 01 Sep 2020 16:48

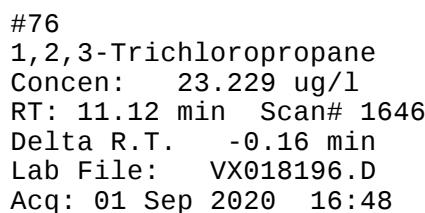
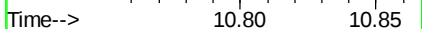
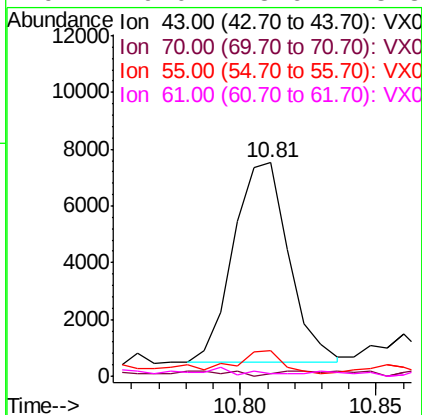
Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	41.5	124.5
150	159.8	0.0	343.8



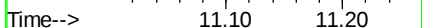
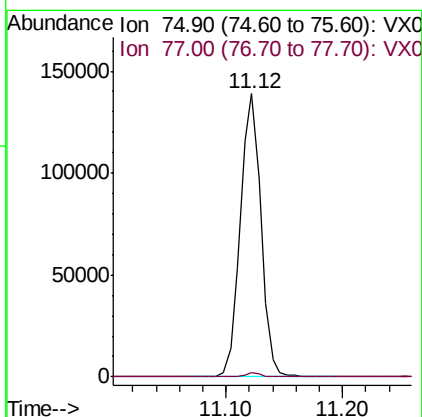


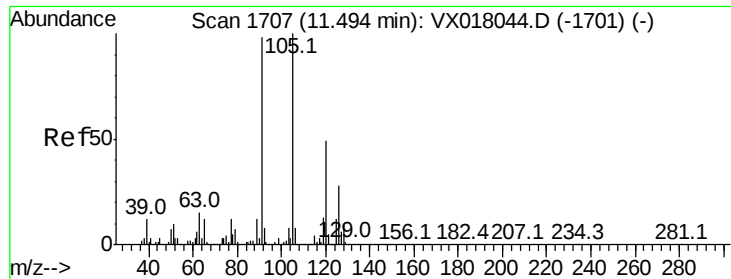
Instrument : MSVOA_X
ClientSampleId : PB131314ZHE#12

Tat	Ion: 43	Resp:	9950
Ion	Ratio	Lower	Upper
43	100		
70	4.0	32.3	48.5#
55	10.1	18.2	27.2#
61	0.0	18.9	28.3#



Tgt	Ion: 75	Resp:	172347
Ion	Ratio	Lower	Upper
75	100		
77	1.3	20.8	62.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.235 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018196.D

Acq: 01 Sep 2020 16:48

Instrument :

MSVOA_X

ClientSampleId :

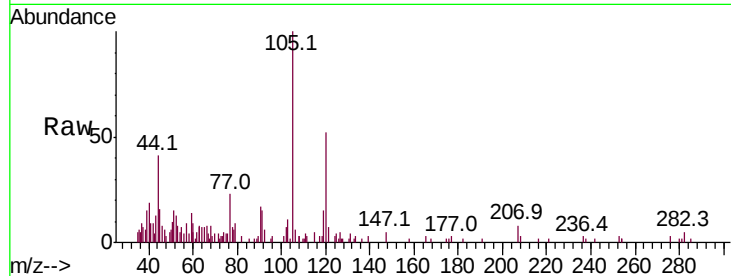
PB131314ZHE#12

Tot Ion:105 Resp: 4250

Ion Ratio Lower Upper

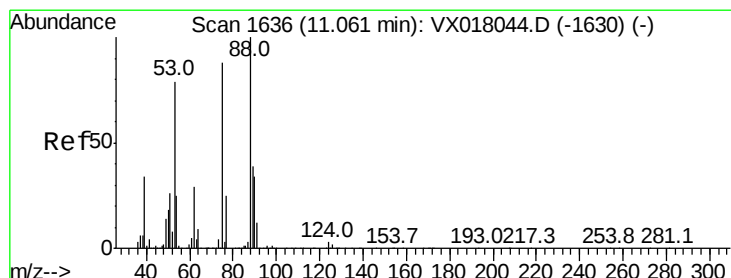
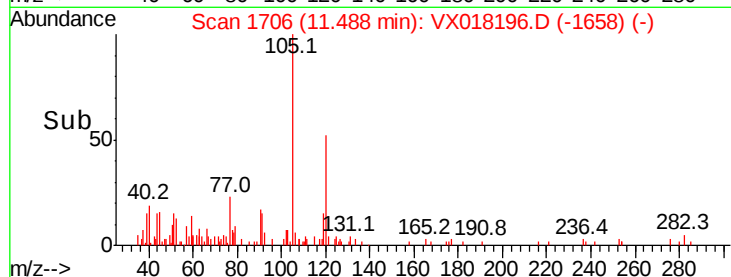
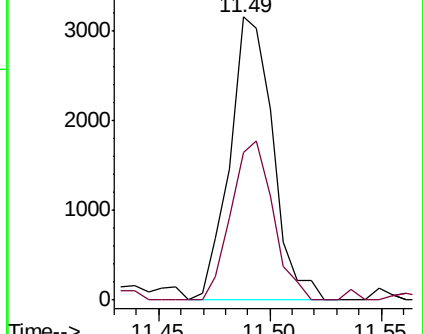
105 100

120 54.5 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 62.738 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018196.D

Acq: 01 Sep 2020 16:48

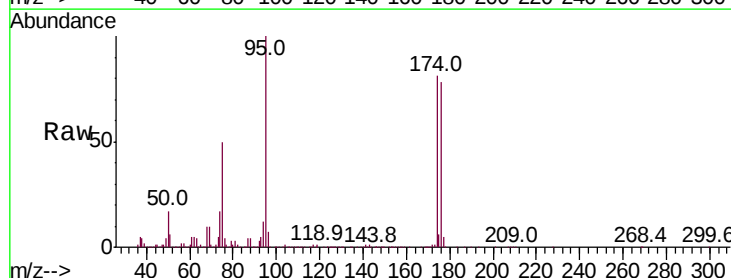
Tgt Ion: 75 Resp: 172347

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

89 0.1 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

