

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082620\
 Data File : VX018075.D
 Acq On : 26 Aug 2020 14:25
 Operator : JC/SP
 Sample : PB131195ZHE#06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131195ZHE#06

Quant Time: Aug 27 04:04:15 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	451909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	720284	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	764843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	332670	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	316984	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
35) Dibromofluoromethane	5.46	113	252913	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
50) Toluene-d8	8.70	98	902407	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.12	95	333685	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	

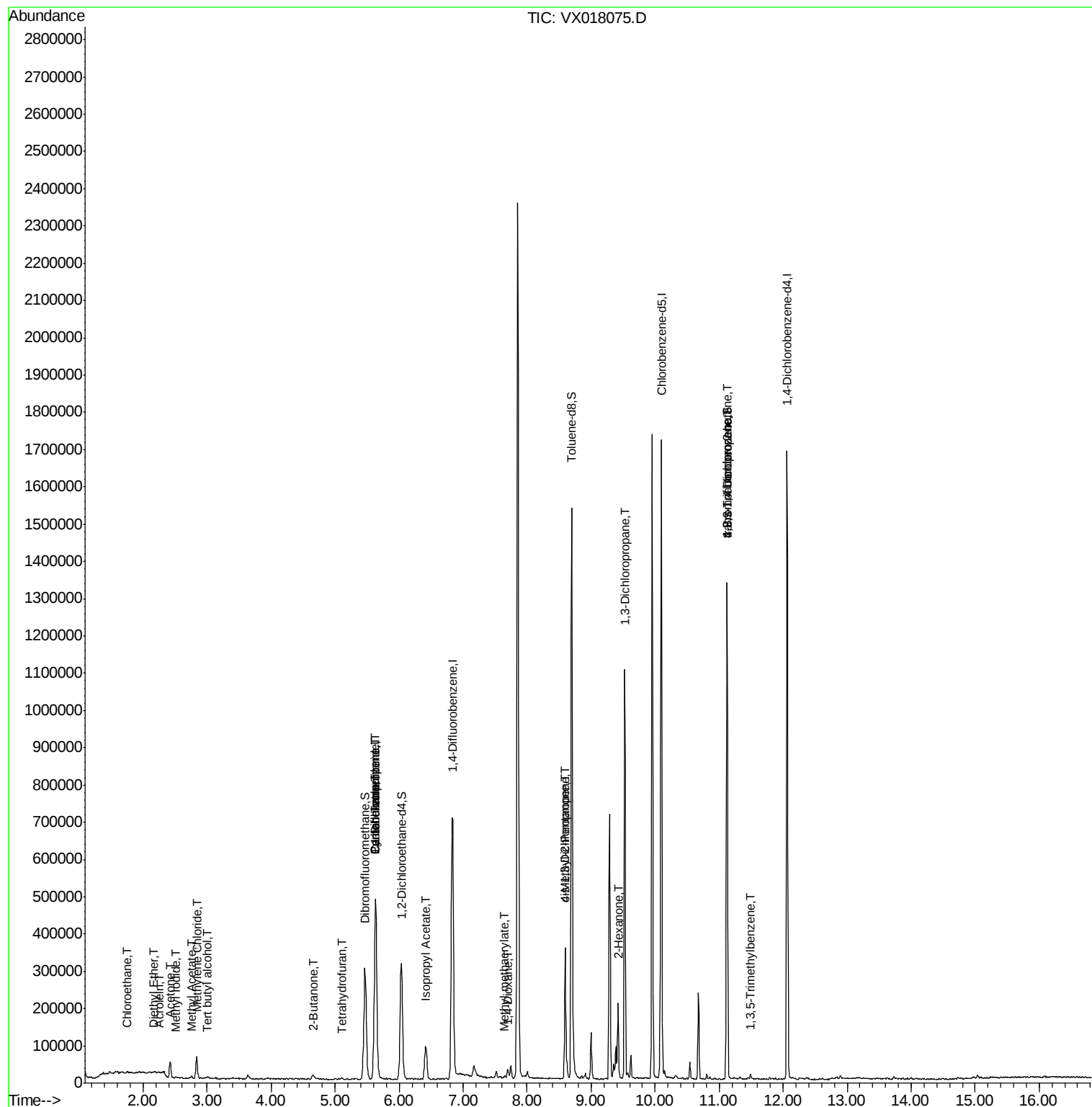
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	1036	0.334	ug/l #	87
8) Diethyl Ether	2.17	74	1180	0.442	ug/l	77
10) Methyl Iodide	2.51	142	267	5.339	ug/l #	1
11) Tert butyl alcohol	3.00	59	3623	2.970	ug/l #	74
13) Acrolein	2.25	56	277	0.548	ug/l #	14
16) Acetone	2.42	43	46345	18.958	ug/l	99
18) Methyl Acetate	2.75	43	8851	1.500	ug/l	96
20) Methylene Chloride	2.84	84	27081	4.352	ug/l	98
25) 2-Butanone	4.65	43	9150	2.277	ug/l #	83
29) Tetrahydrofuran	5.10	42	1701	0.665	ug/l #	38
31) Cyclohexane	5.64	56	10024	1.335	ug/l #	11
36) 1,1-Dichloropropene	5.64	75	34954	5.261	ug/l #	51
38) Carbon Tetrachloride	5.63	117	47507	6.345	ug/l #	17
43) Isopropyl Acetate	6.42	43	126855	10.179	ug/l	98
48) Methyl methacrylate	7.65	41	6430	1.036	ug/l #	17
49) 1,4-Dioxane	7.69	88	35	0.311	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	123509	16.043	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	51607	5.950	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	9178	1.054	ug/l #	49
59) 2-Hexanone	9.42	43	121574	20.769	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	173719	23.474	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	5272	0.292	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	173719	63.400	ug/l #	12

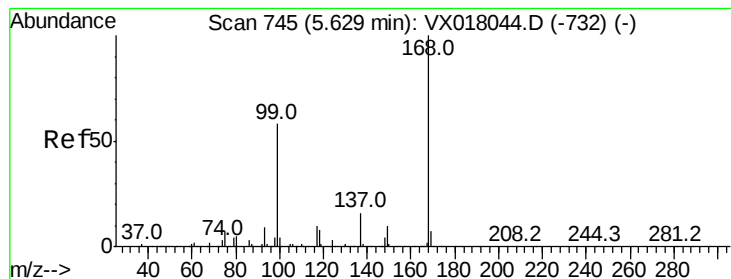
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 27 04:04:15 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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018075.D

Acq: 26 Aug 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

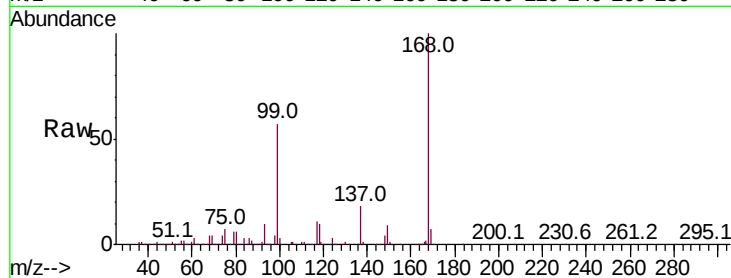
PB131195ZHE#06

Tot Ion:168 Resp: 451909

Ion Ratio Lower Upper

168 100

99 56.6 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

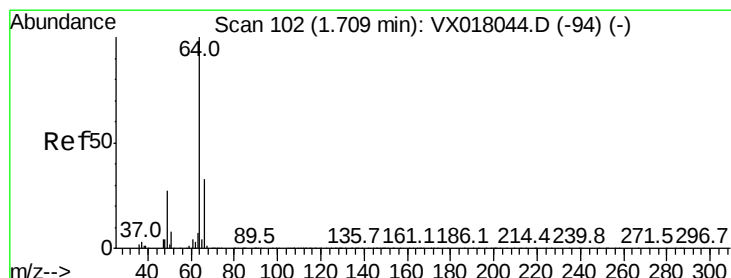
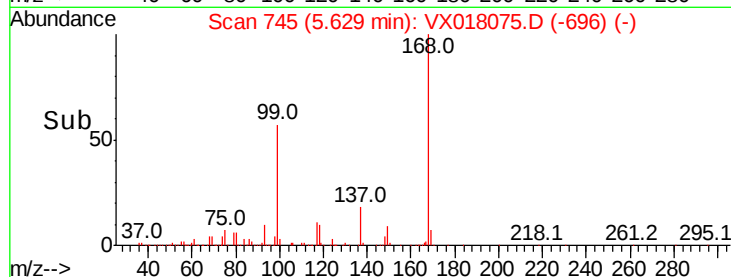
100000

50000

0

Time-->

5.50 5.60 5.70



#6

Chloroethane

Concen: 0.334 ug/l

RT: 1.74 min Scan# 107

Delta R.T. 0.03 min

Lab File: VX018075.D

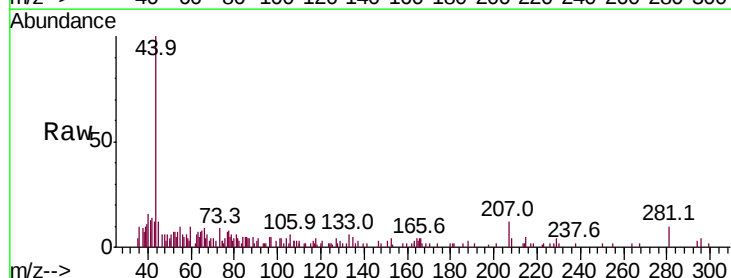
Acq: 26 Aug 2020 14:25

Tgt Ion: 64 Resp: 1036

Ion Ratio Lower Upper

64 100

66 40.4 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

500

400

300

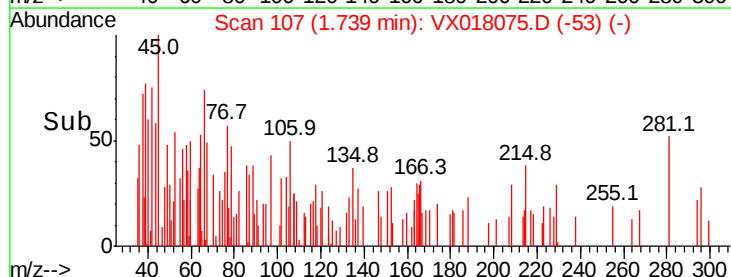
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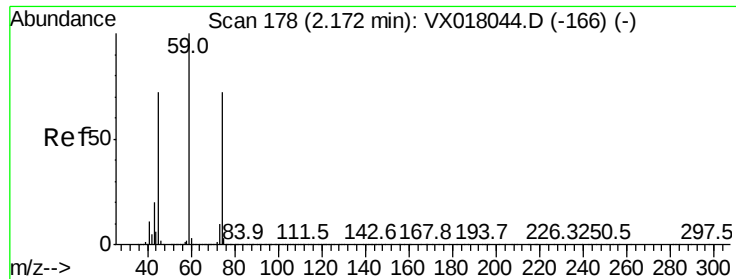
100

0

Time-->

1.70 1.75





#8

Diethyl Ether

Concen: 0.442 ug/l

RT: 2.17 min Scan# 178

Delta R.T. -0.00 min

Lab File: VX018075.D

Acq: 26 Aug 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

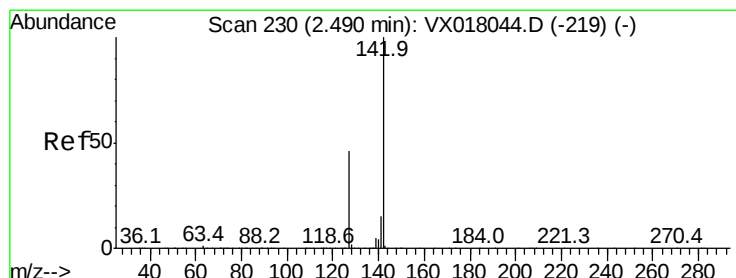
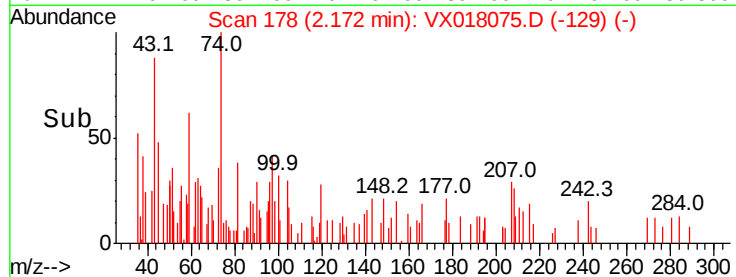
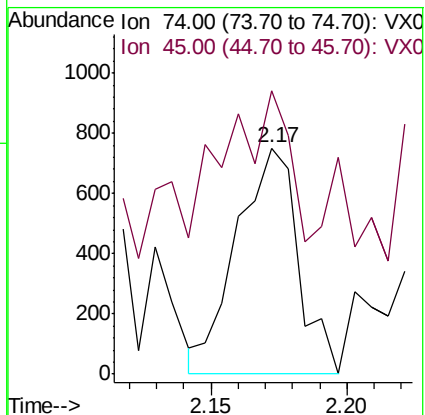
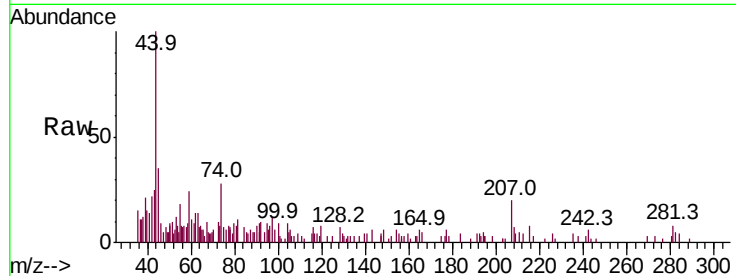
PB131195ZHE#06

Tot Ion: 74 Resp: 1180

Ion Ratio Lower Upper

74 100

45 78.6 50.7 152.3



#10

Methyl Iodide

Concen: 5.339 ug/l

RT: 2.51 min Scan# 234

Delta R.T. 0.02 min

Lab File: VX018075.D

Acq: 26 Aug 2020 14:25

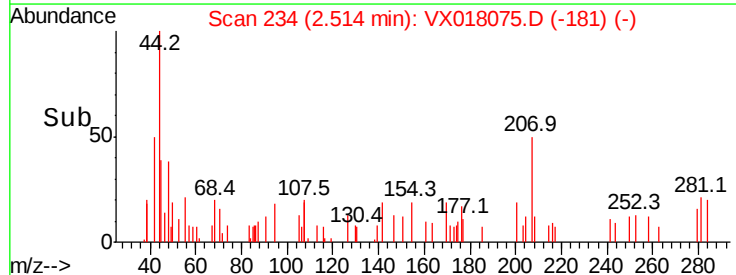
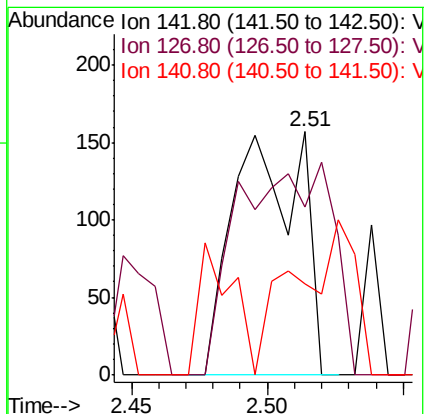
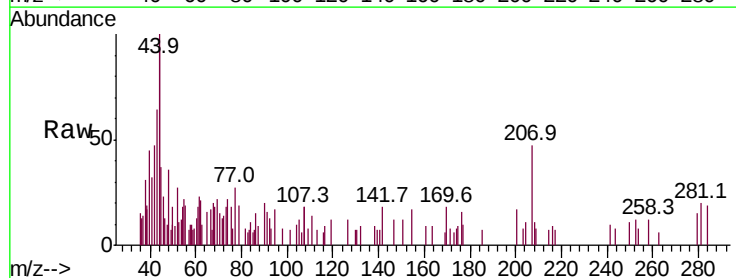
Tgt Ion: 142 Resp: 267

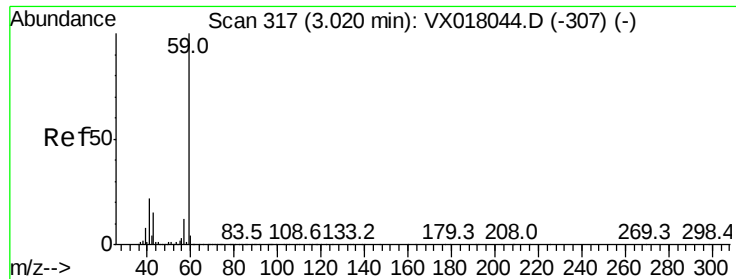
Ion Ratio Lower Upper

142 100

127 121.7 37.0 55.6#

141 56.9 11.5 17.3#

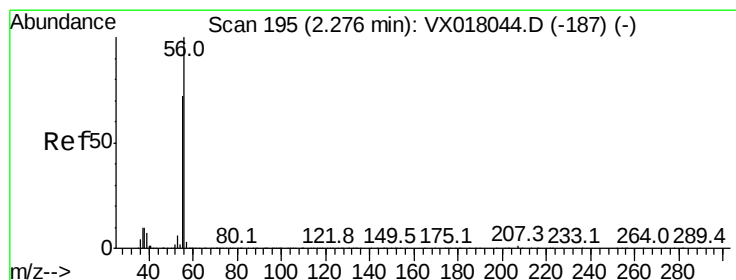
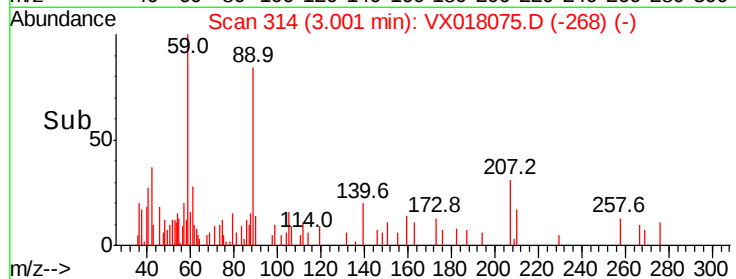
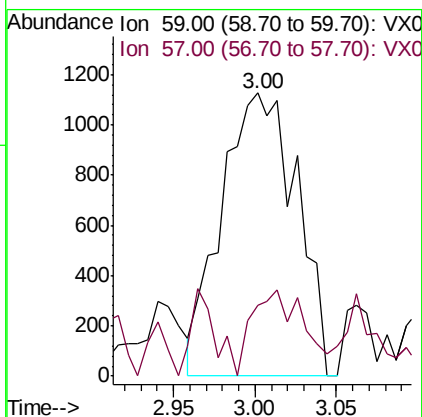
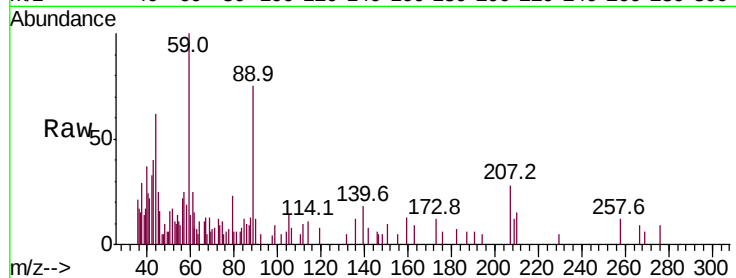




#11
Tert butyl alcohol
Concen: 2.970 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018075.D
Acq: 26 Aug 2020 14:25

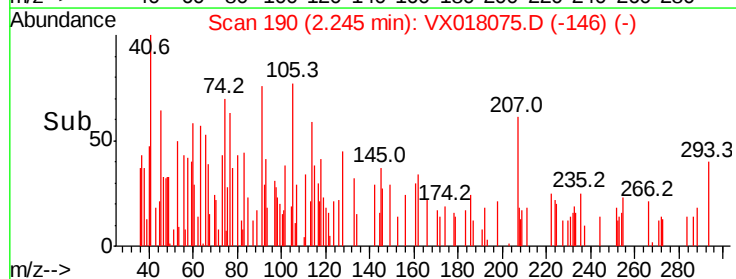
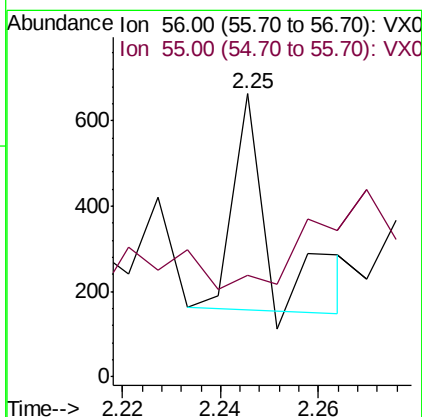
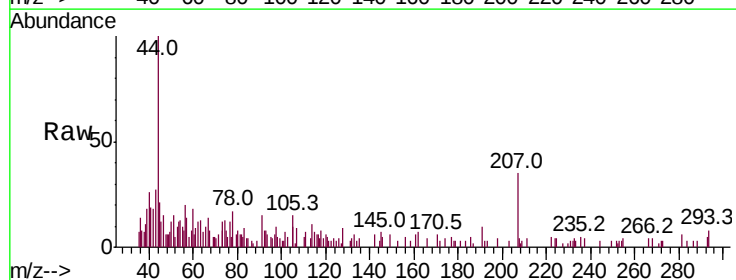
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#06

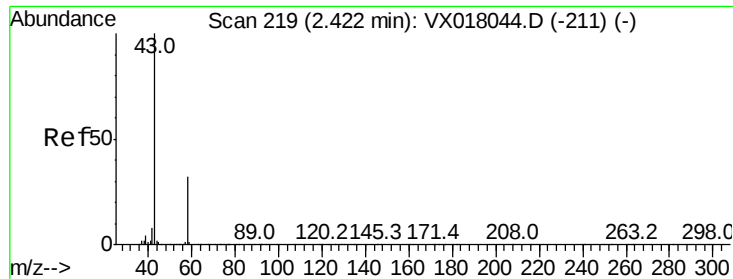
Tot Ion: 59 Resp: 3623
Ion Ratio Lower Upper
59 100
57 20.9 8.9 13.3#



#13
Acrolein
Concen: 0.548 ug/l
RT: 2.25 min Scan# 190
Delta R.T. -0.03 min
Lab File: VX018075.D
Acq: 26 Aug 2020 14:25

Tgt Ion: 56 Resp: 277
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#





#16

Acetone

Concen: 18.958 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018075.D

Acq: 26 Aug 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

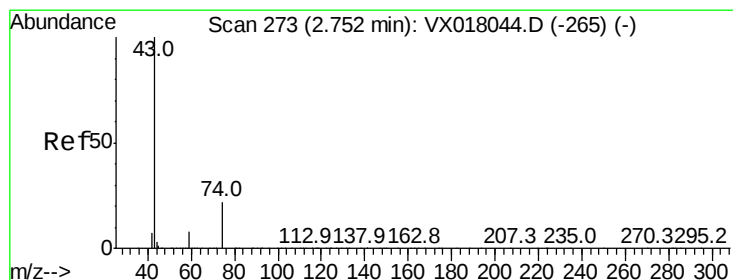
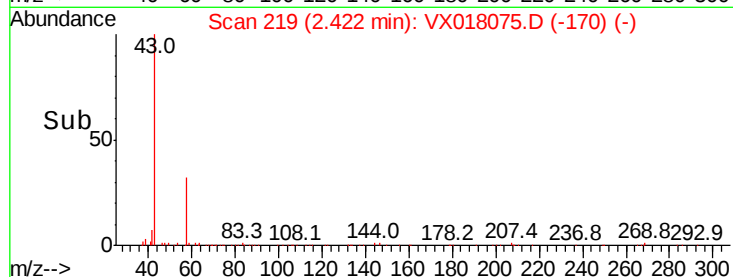
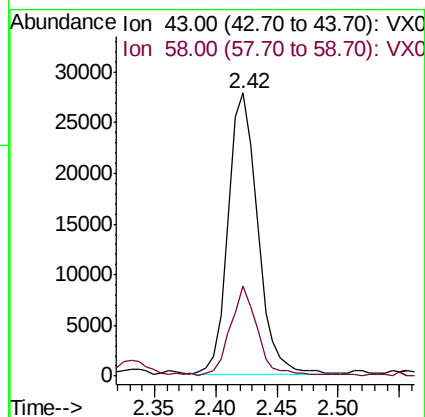
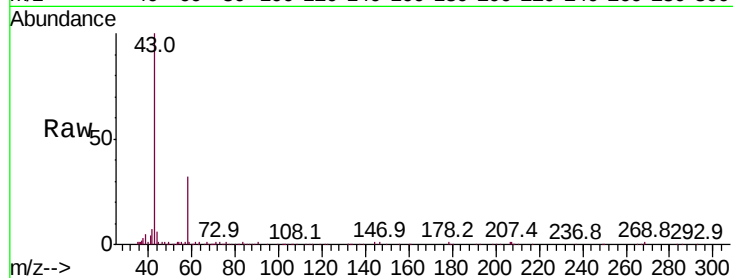
PB131195ZHE#06

Tot Ion: 43 Resp: 46345

Ion Ratio Lower Upper

43 100

58 31.5 25.5 38.3



#18

Methyl Acetate

Concen: 1.500 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018075.D

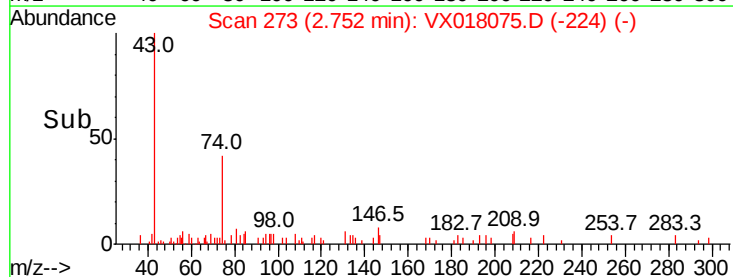
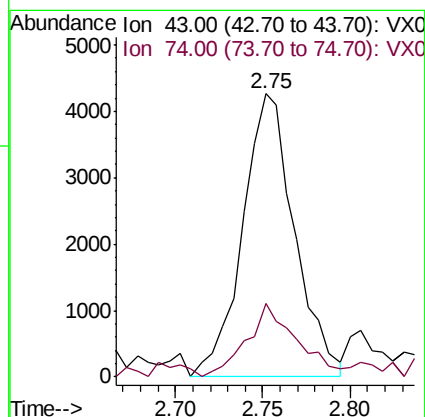
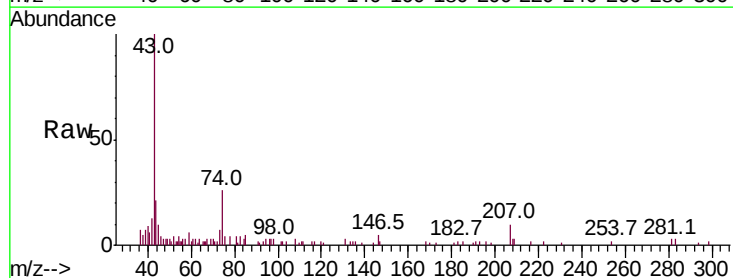
Acq: 26 Aug 2020 14:25

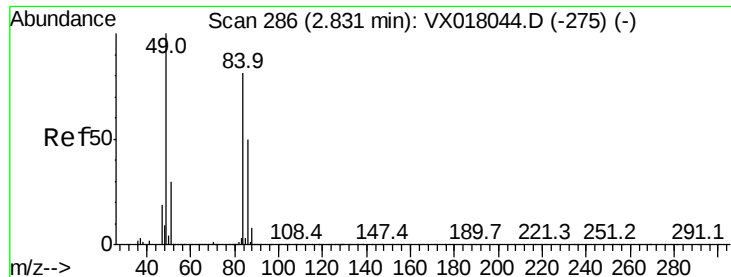
Tgt Ion: 43 Resp: 8851

Ion Ratio Lower Upper

43 100

74 24.9 18.2 27.4

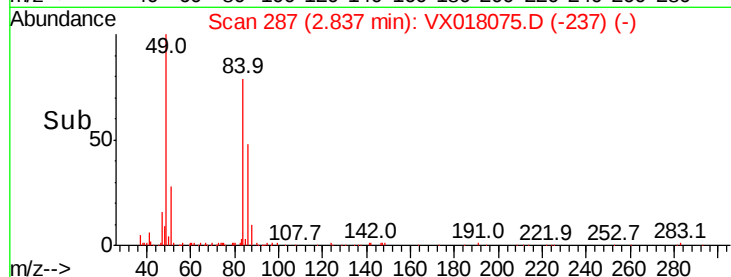
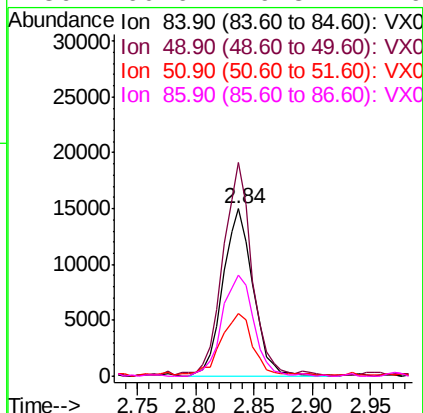
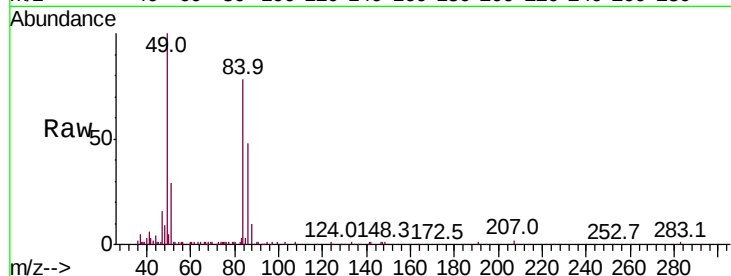




#20
Methvlene Chloride
Concen: 4.352 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018075.D
Acq: 26 Aug 2020 14:25

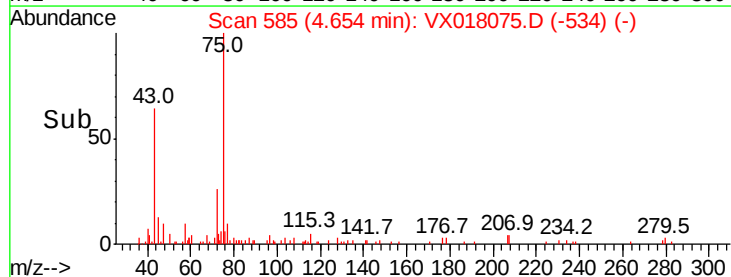
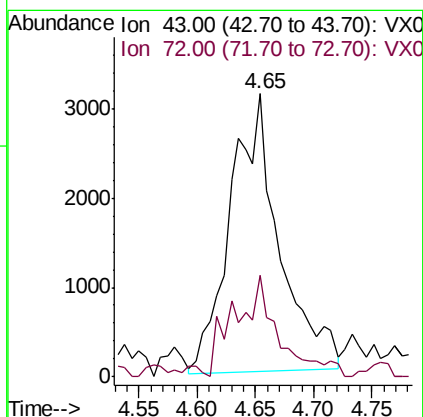
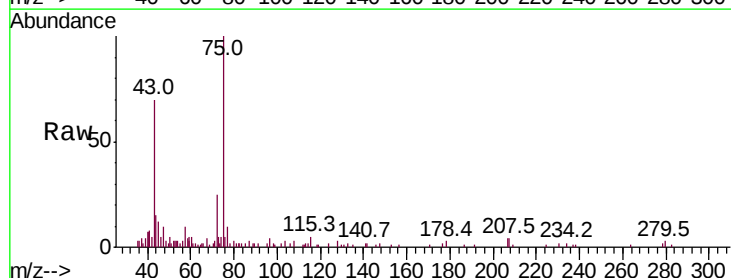
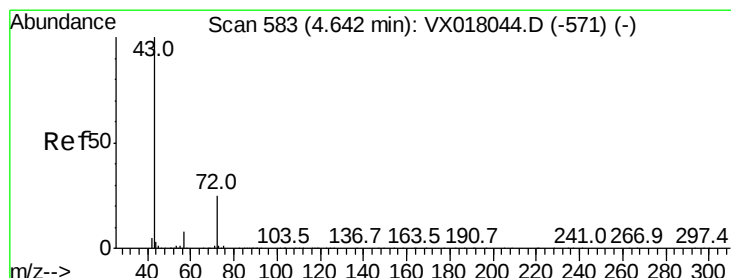
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#06

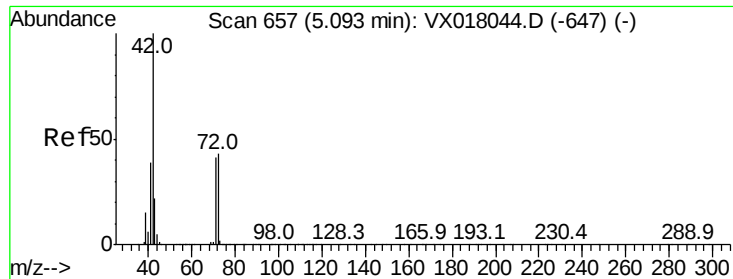
Tot Ion:	84	Resp:	27081
Ion	Ratio	Lower	Upper
84	100		
49	126.4	98.6	148.0
51	36.0	29.6	44.4
86	60.6	49.8	74.6



#25
2-Butanone
Concen: 2.277 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX018075.D
Acq: 26 Aug 2020 14:25

Tgt Ion:	43	Resp:	9150
Ion	Ratio	Lower	Upper
43	100		
72	33.1	19.8	29.6#





#29

Tetrahydrofuran

Concen: 0.665 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018075.D

Acq: 26 Aug 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#06

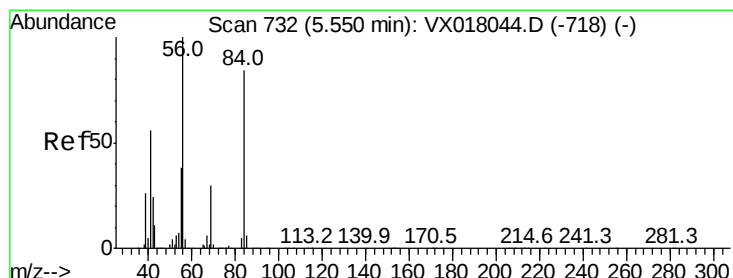
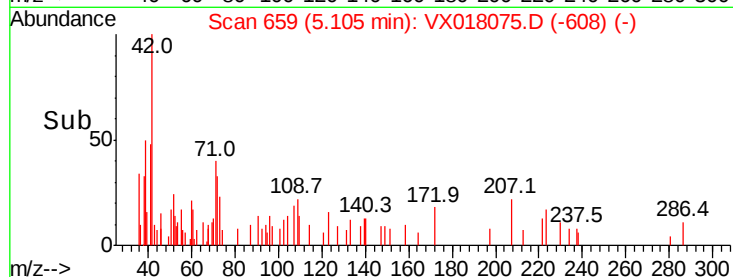
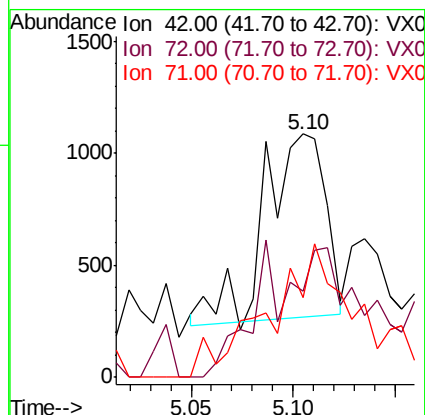
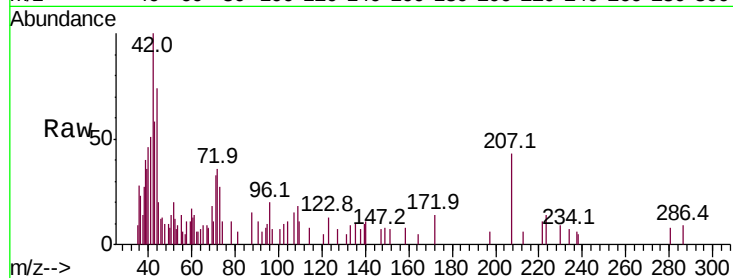
Tot Ion: 42 Resp: 1701

Ion Ratio Lower Upper

42 100

72 30.8 34.2 51.4#

71 107.0 32.1 48.1#



#31

Cyclohexane

Concen: 1.335 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX018075.D

Acq: 26 Aug 2020 14:25

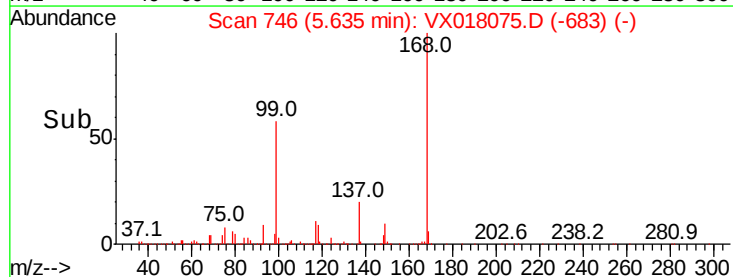
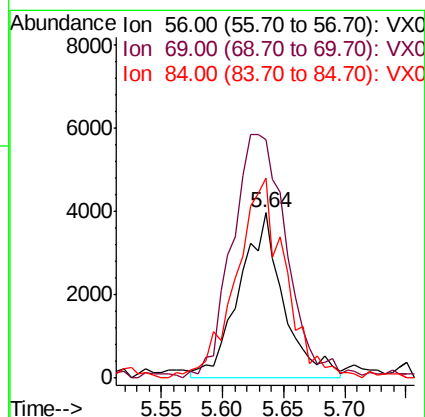
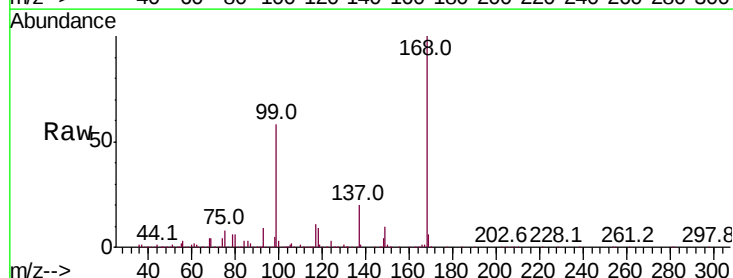
Tgt Ion: 56 Resp: 10024

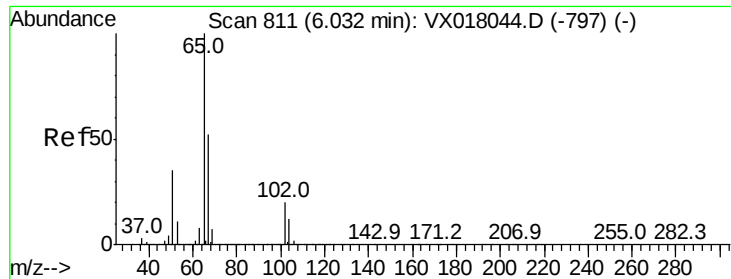
Ion Ratio Lower Upper

56 100

69 147.8 23.9 35.9#

84 122.8 67.0 100.4#

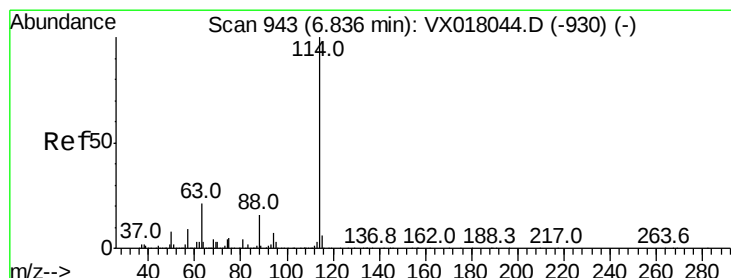
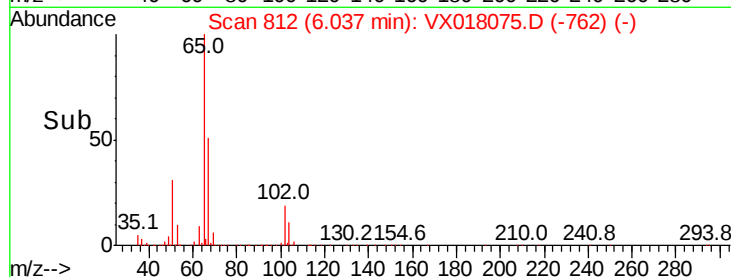
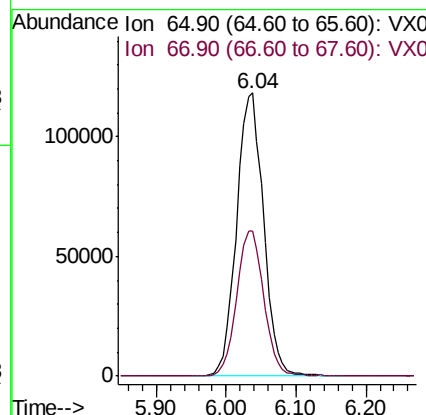
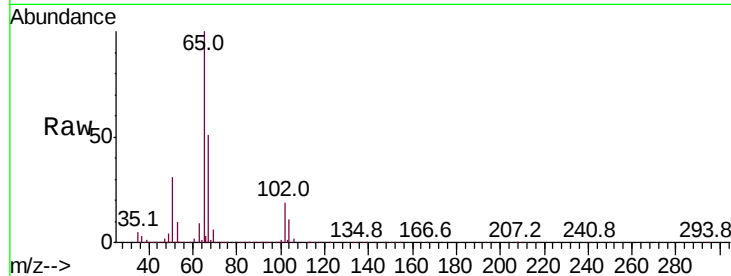




#33
 1,2-Dichloroethane-d4
 Concen: 50.526 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX018075.D
 Acq: 26 Aug 2020 14:25

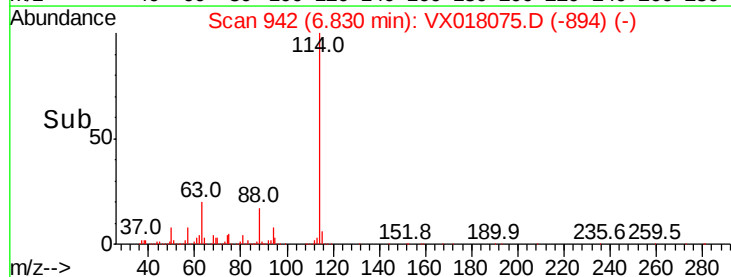
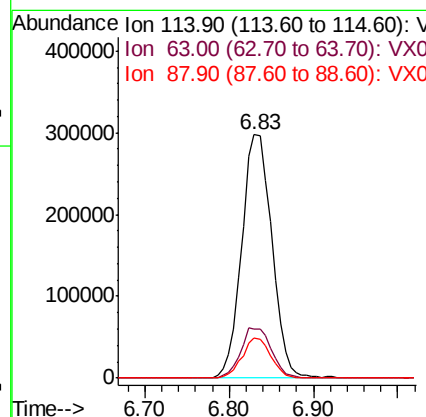
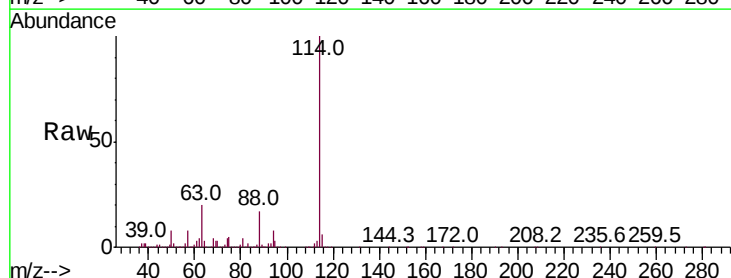
Instrument :
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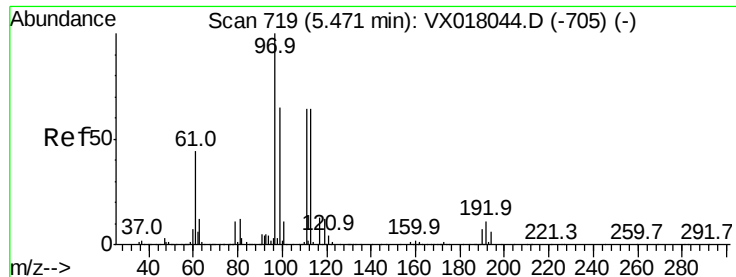
Tot Ion: 65 Resp: 316984
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018075.D
 Acq: 26 Aug 2020 14:25

Tgt Ion: 114 Resp: 720284
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.6
 88 16.6 0.0 31.8

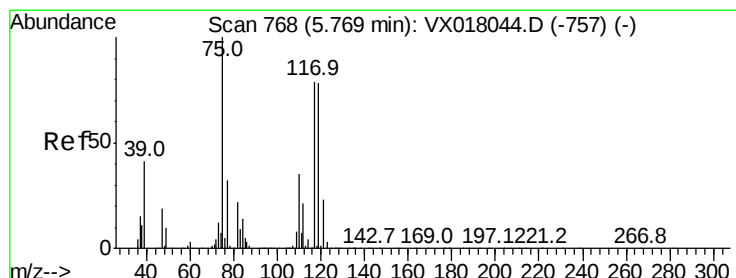
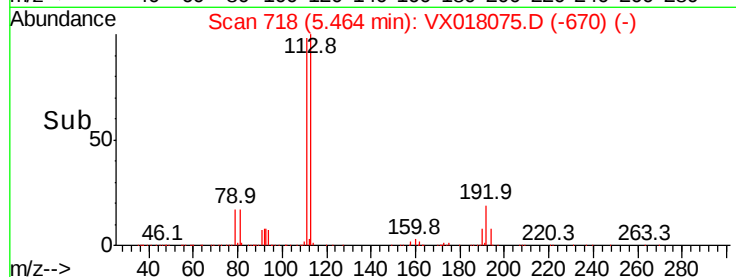
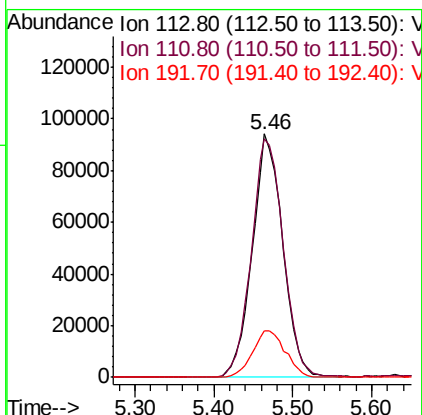
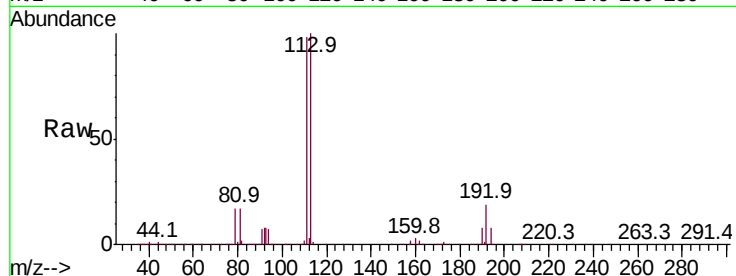




#35
 Dibromofluoromethane
 Concen: 51.557 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018075.D
 Acq: 26 Aug 2020 14:25

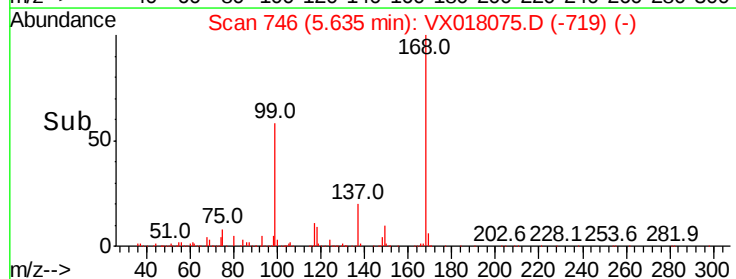
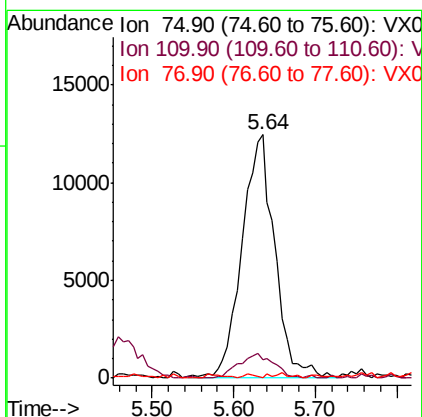
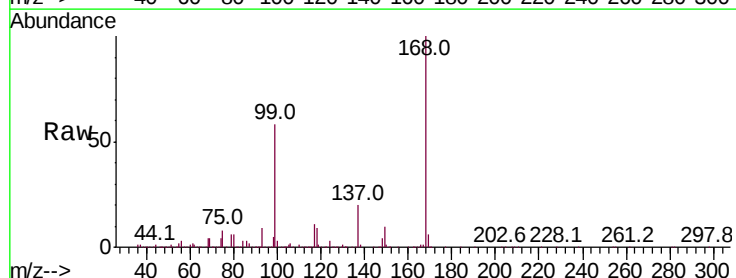
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131195ZHE#06

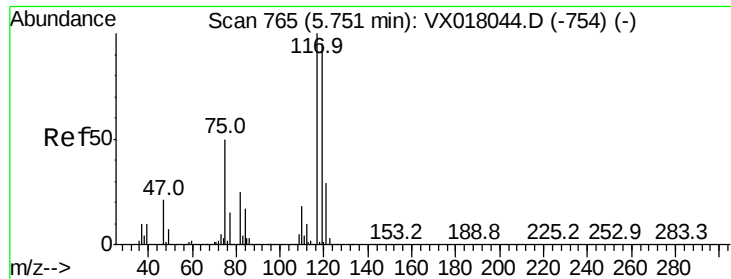
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.6	122.4
192	20.7	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.261 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018075.D
 Acq: 26 Aug 2020 14:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.0	54.0#
77	0.6	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.345 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018075.D

Acq: 26 Aug 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#06

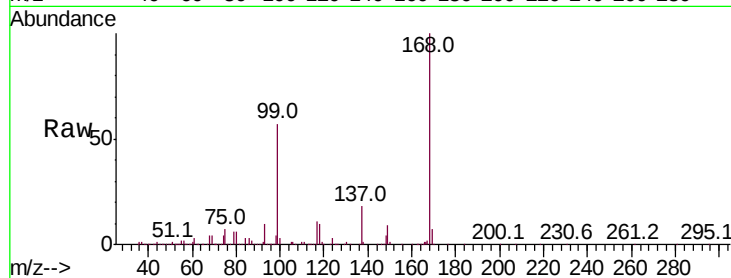
Tot Ion:117 Resp: 47507

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

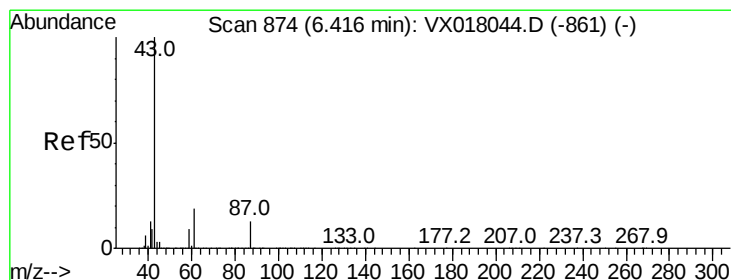
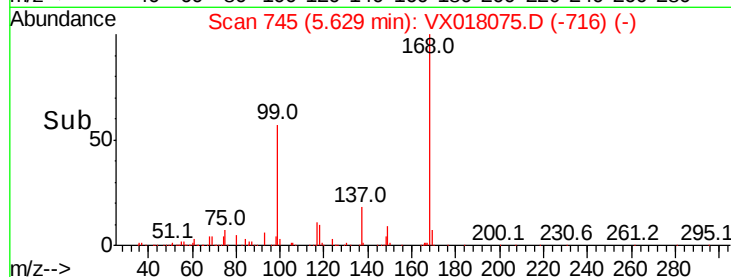
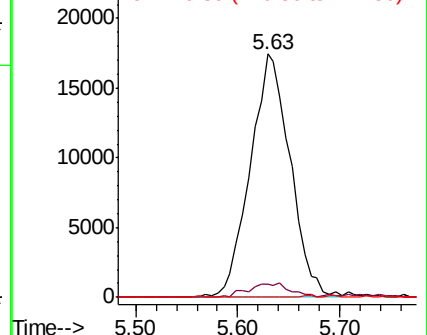
121 0.0 23.4 35.0#



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: 10.179 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018075.D

Acq: 26 Aug 2020 14:25

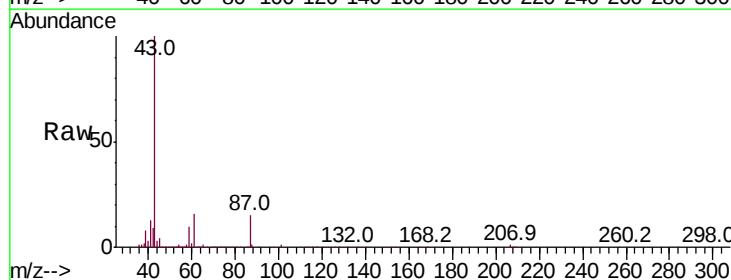
Tgt Ion: 43 Resp: 126855

Ion Ratio Lower Upper

43 100

61 20.2 15.7 23.5

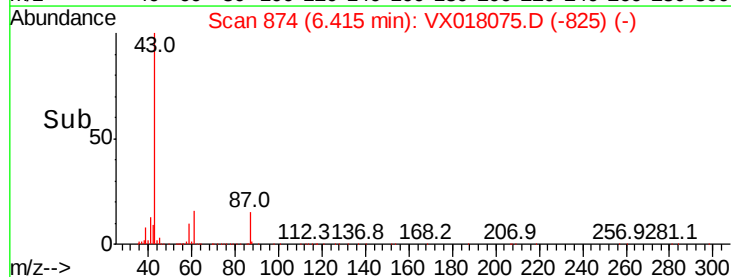
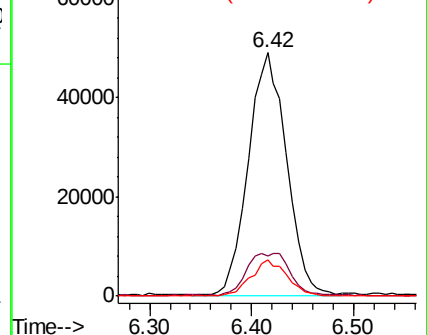
87 14.2 10.3 15.5

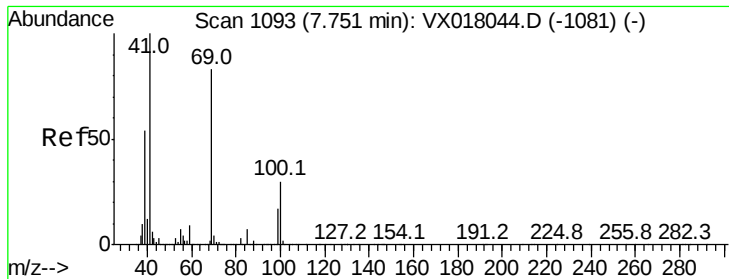


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

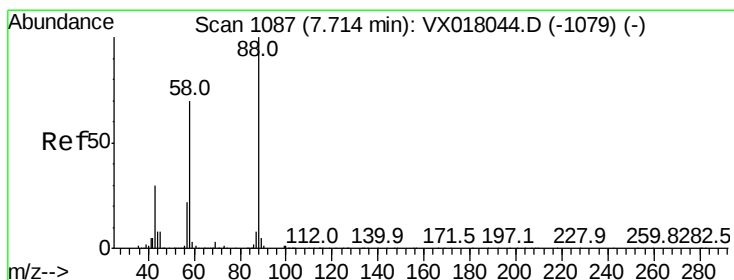
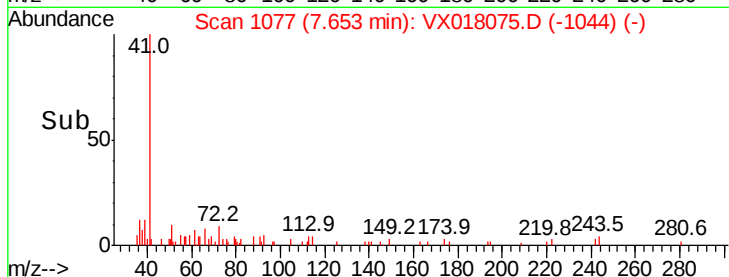
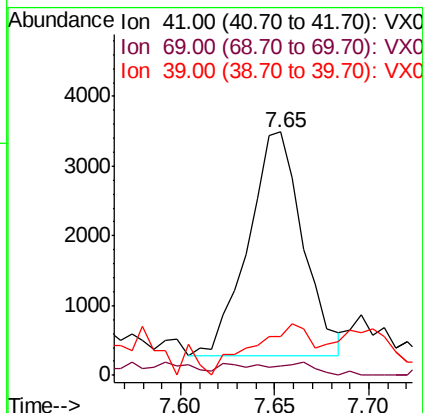
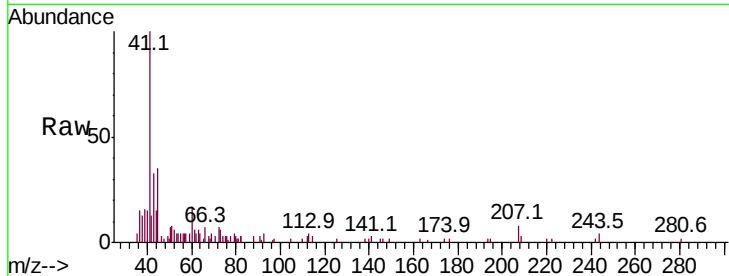




#48
Methyl methacrylate
Concen: 1.036 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX018075.D
Acq: 26 Aug 2020 14:25

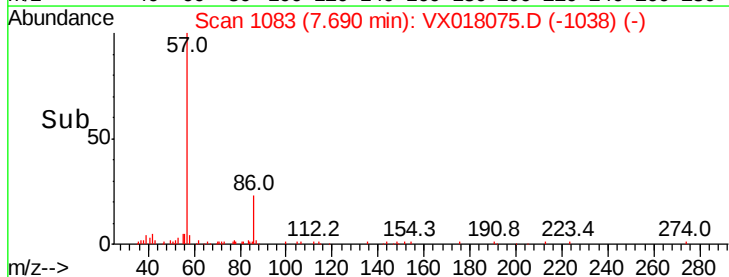
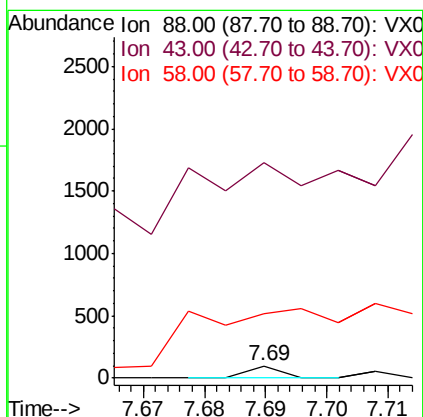
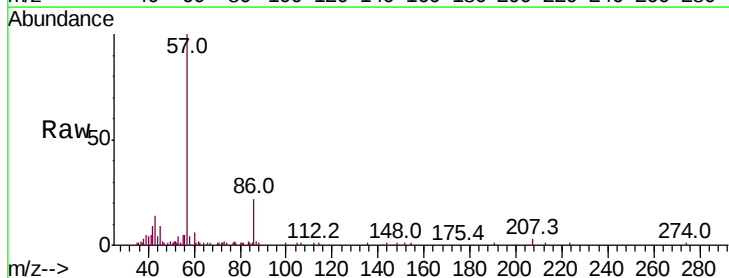
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#06

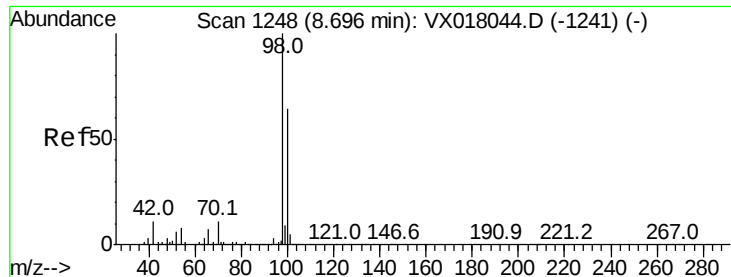
Tot Ion: 41 Resp: 6430
Ion Ratio Lower Upper
41 100
69 3.9 65.5 98.3#
39 0.0 44.5 66.7#



#49
1,4-Dioxane
Concen: 0.311 ug/l
RT: 7.69 min Scan# 1083
Delta R.T. -0.02 min
Lab File: VX018075.D
Acq: 26 Aug 2020 14:25

Tgt Ion: 88 Resp: 35
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 2788.6 56.4 84.6#





#50

Toluene-d8

Concen: 49.391 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018075.D

Acq: 26 Aug 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

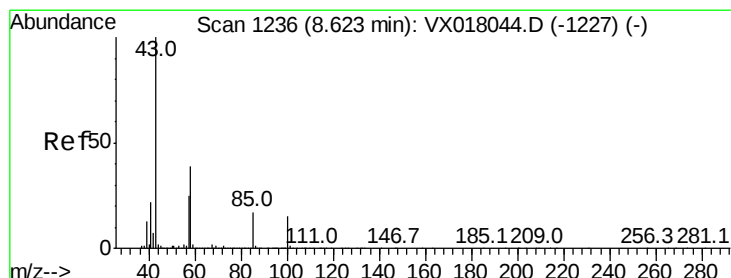
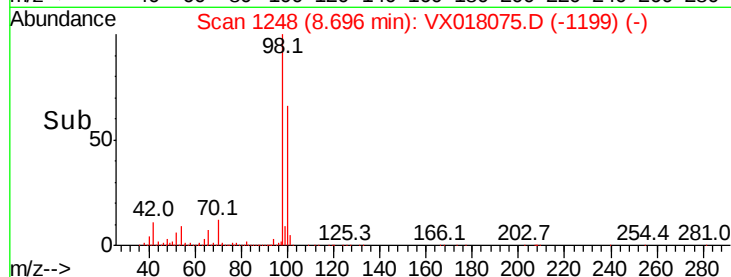
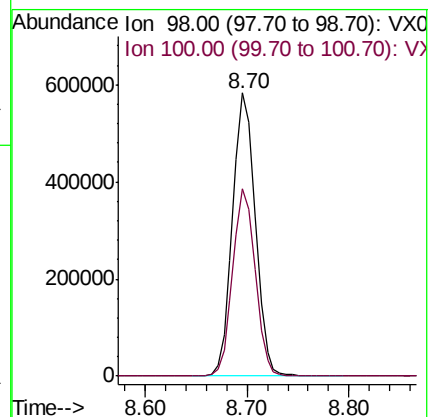
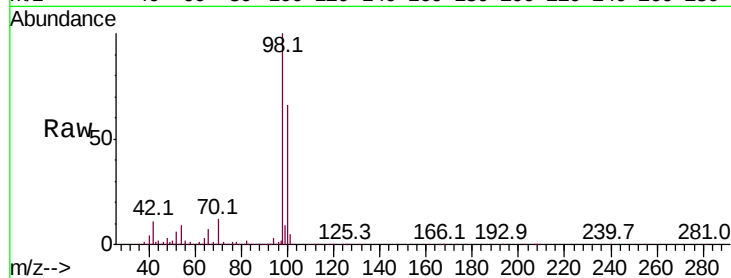
PB131195ZHE#06

Tot Ion: 98 Resp: 902407

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 16.043 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018075.D

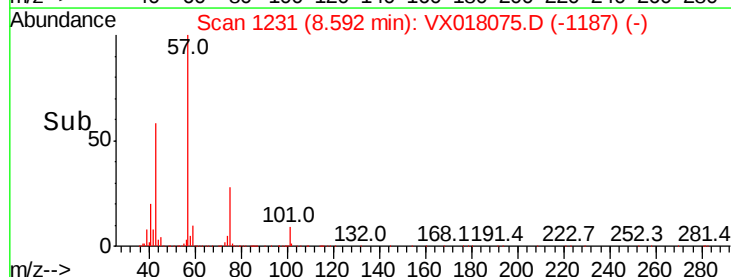
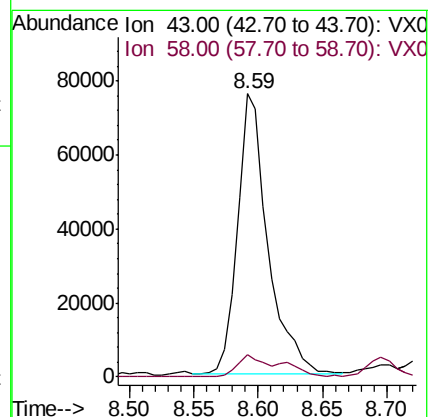
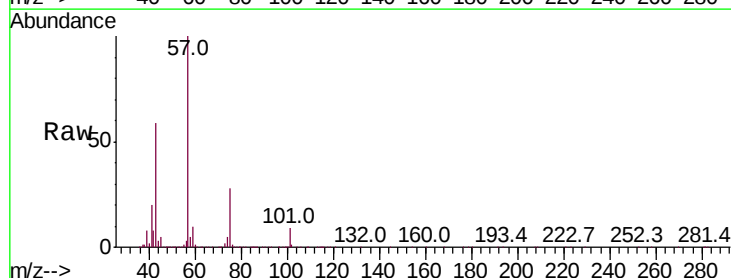
Acq: 26 Aug 2020 14:25

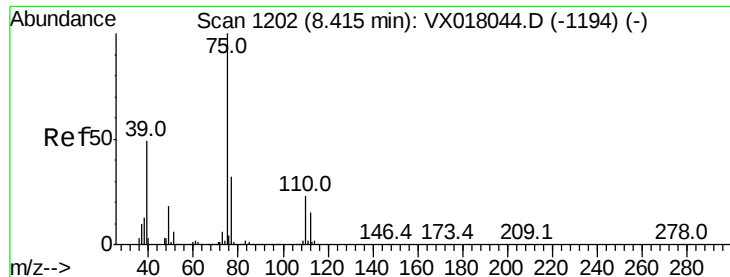
Tgt Ion: 43 Resp: 123509

Ion Ratio Lower Upper

43 100

58 7.1 30.7 46.1#



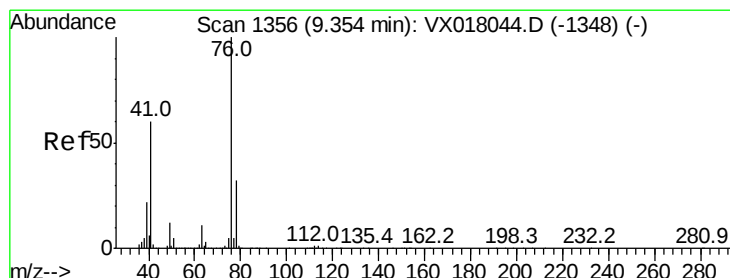
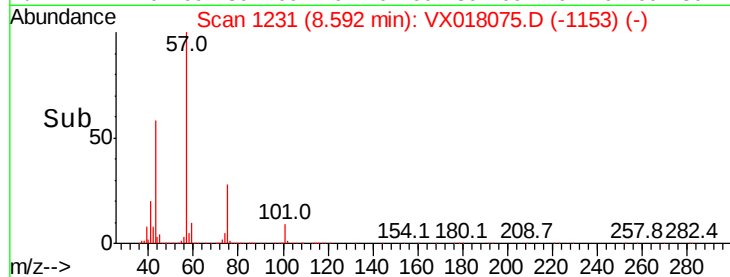
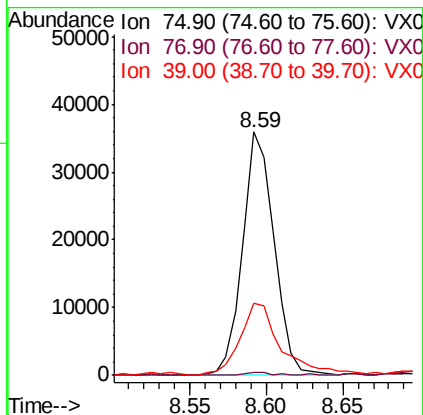
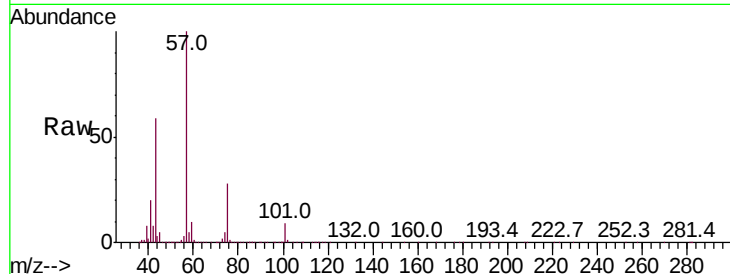


#54

cis-1,3-Dichloropropene
 Concen: 5.950 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX018075.D
 Acq: 26 Aug 2020 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131195ZHE#06

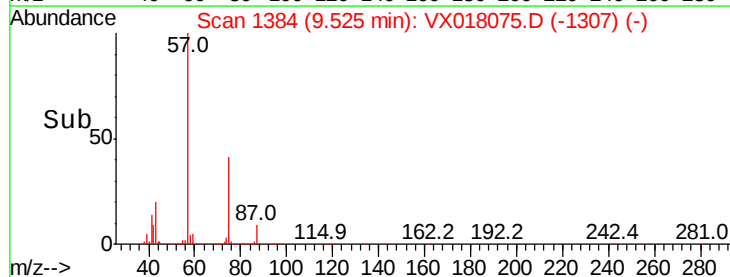
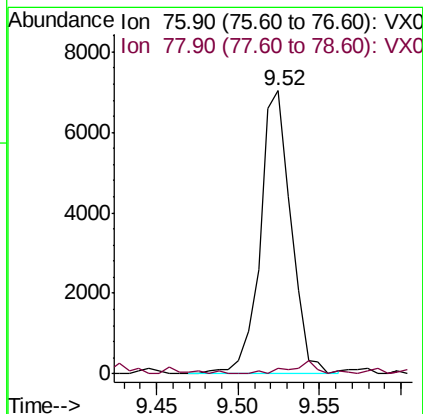
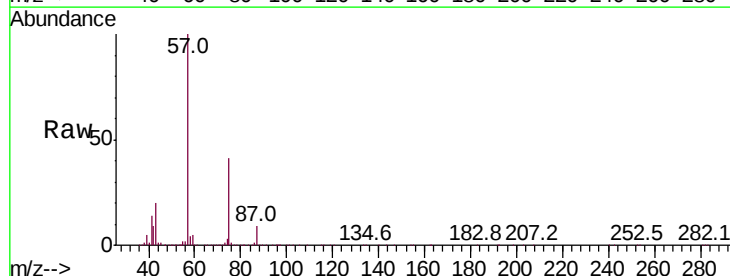
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.1	25.8	38.8#
39	29.9	38.8	58.2#

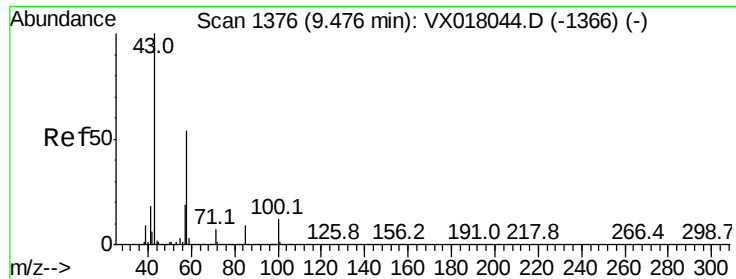


#57

1,3-Dichloropropane
 Concen: 1.054 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX018075.D
 Acq: 26 Aug 2020 14:25

Tgt Ion	Ratio	Lower	Upper
76	100		
78	3.5	25.8	38.6#

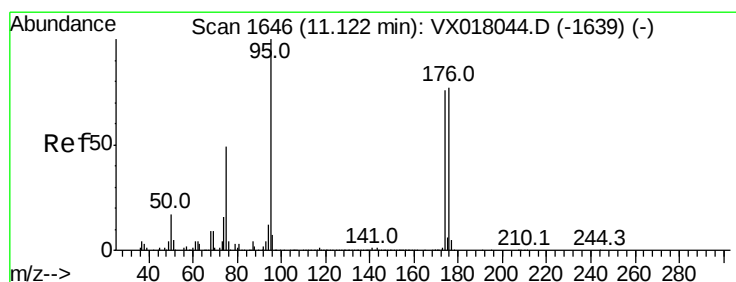
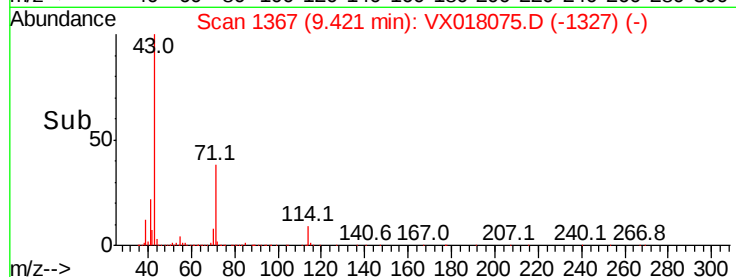
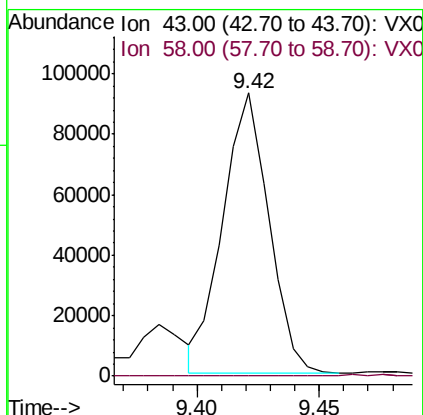
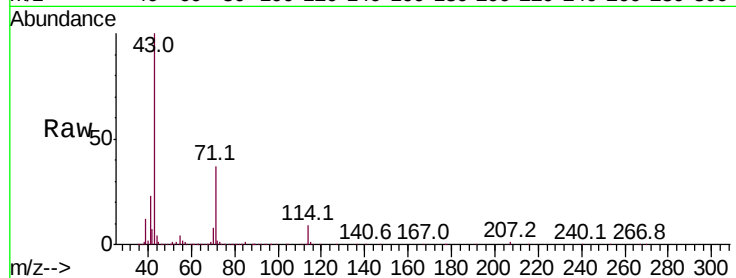




#59
2-Hexanone
Concen: 20.769 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.06 min
Lab File: VX018075.D
Acq: 26 Aug 2020 14:25

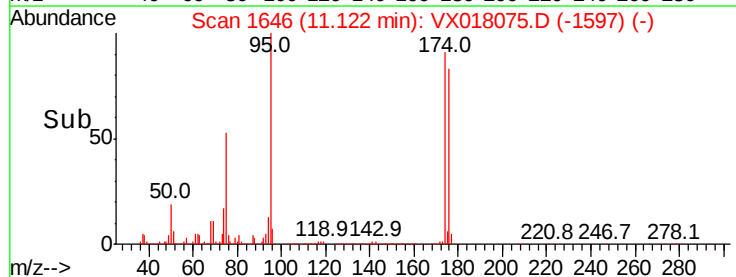
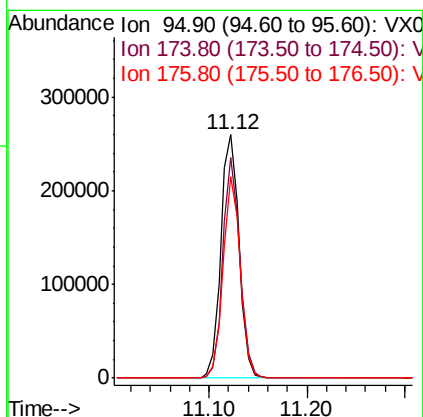
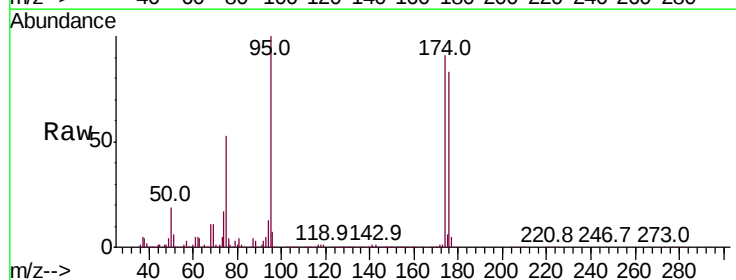
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#06

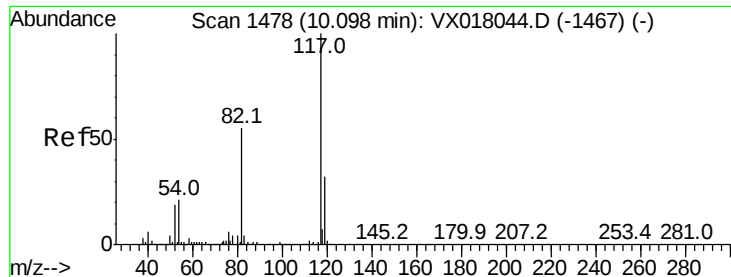
Tot Ion: 43 Resp: 121574
Ion Ratio Lower Upper
43 100
58 0.0 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 46.420 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018075.D
Acq: 26 Aug 2020 14:25

Tgt Ion: 95 Resp: 333685
Ion Ratio Lower Upper
95 100
174 85.0 0.0 160.2
176 78.6 0.0 155.8

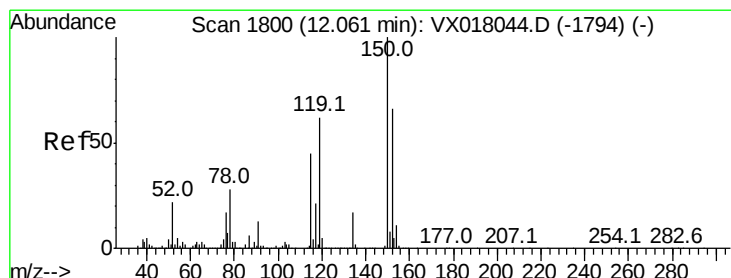
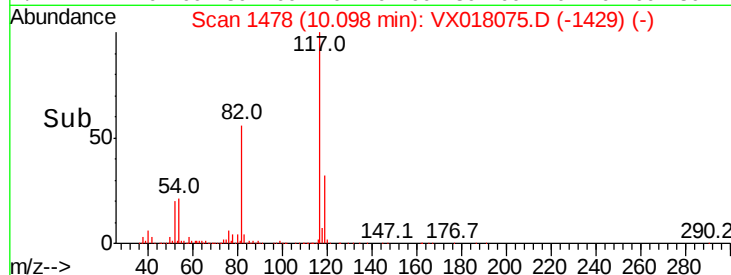
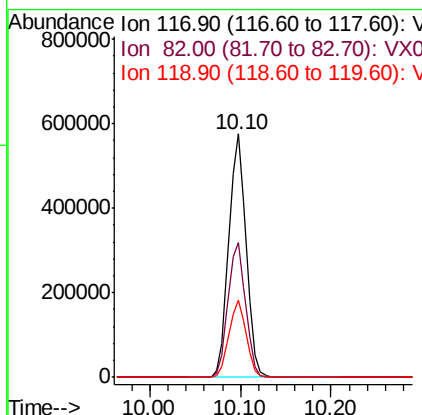
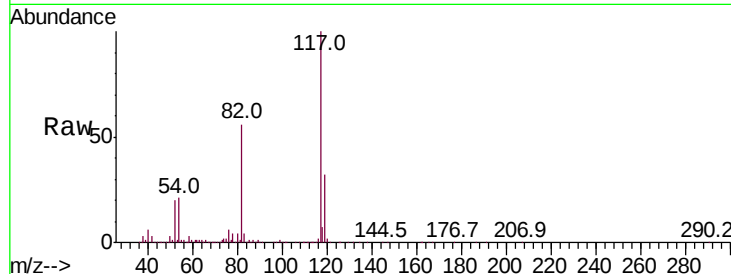




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018075.D
Acq: 26 Aug 2020 14:25

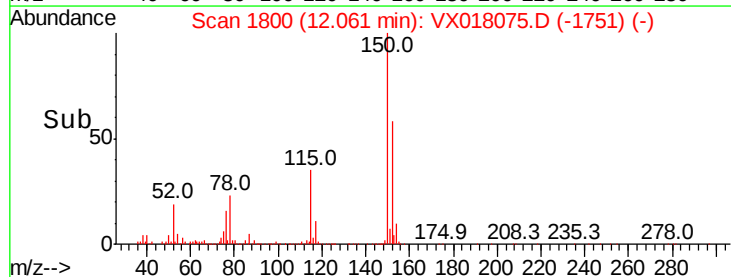
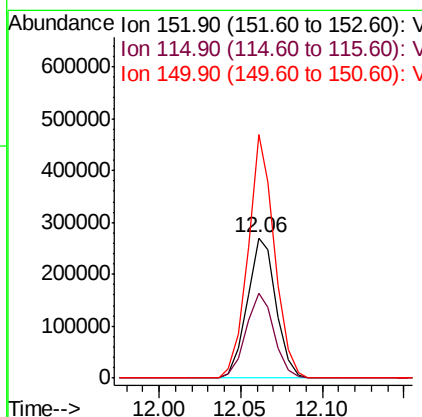
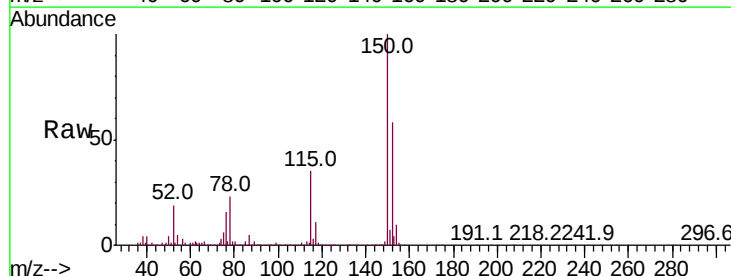
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#06

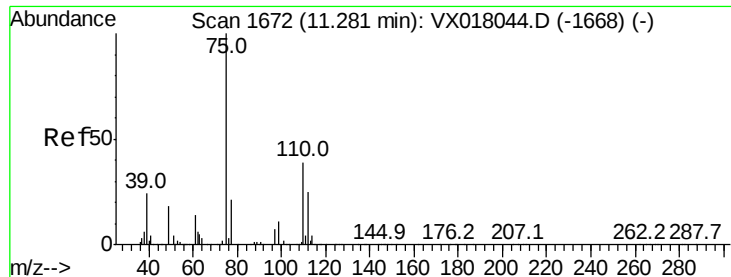
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.2	66.2
119	31.6	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018075.D
Acq: 26 Aug 2020 14:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	41.5	124.5
150	159.6	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.474 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018075.D

Acq: 26 Aug 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

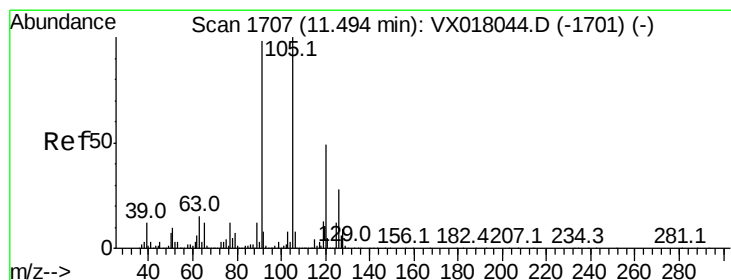
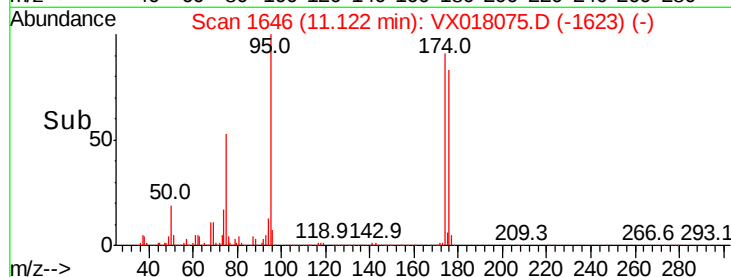
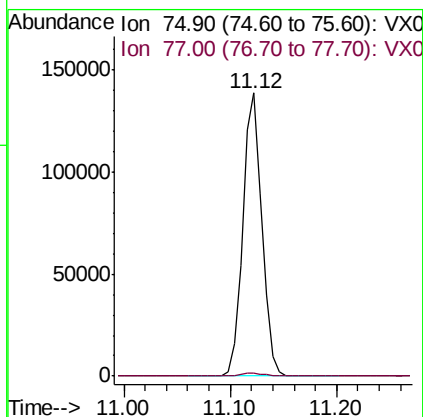
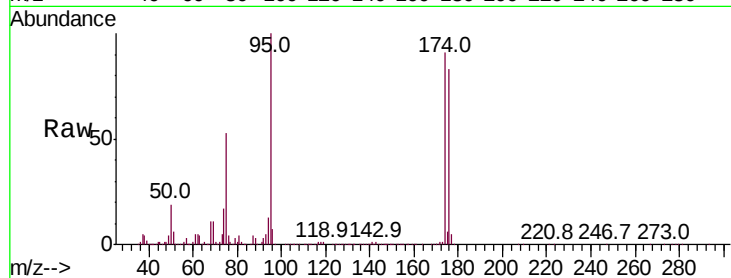
PB131195ZHE#06

Tot Ion: 75 Resp: 173719

Ion Ratio Lower Upper

75 100

77 1.5 20.8 62.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.292 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018075.D

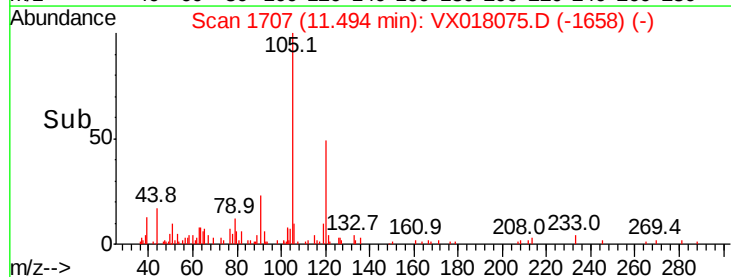
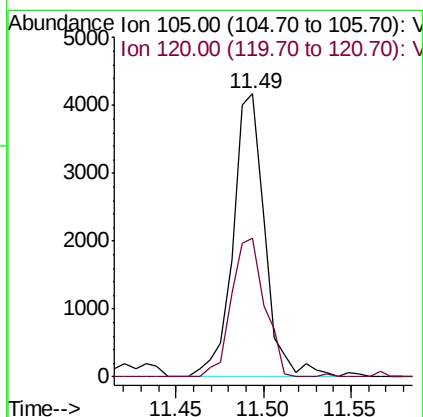
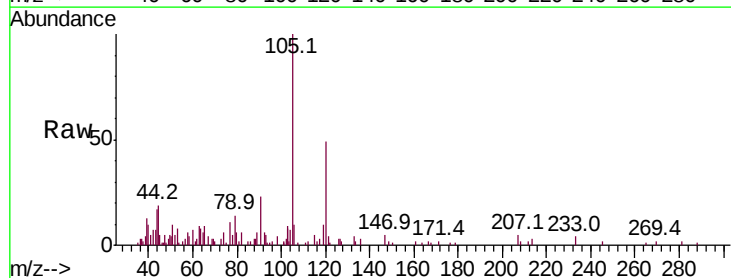
Acq: 26 Aug 2020 14:25

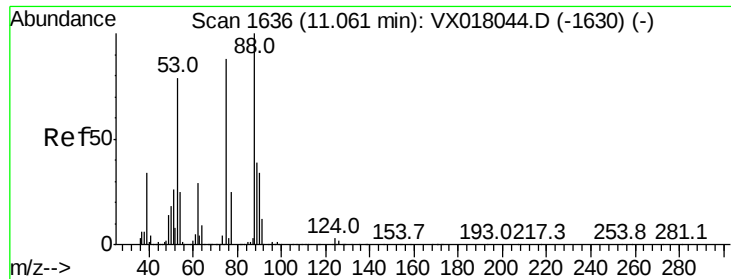
Tgt Ion: 105 Resp: 5272

Ion Ratio Lower Upper

105 100

120 51.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 63.400 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018075.D

Acq: 26 Aug 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#06

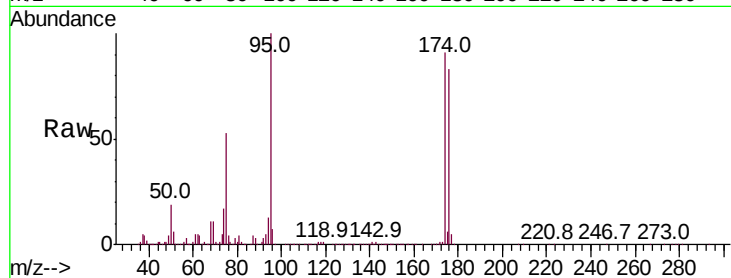
Tot Ion: 75 Resp: 173719

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.0 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

