

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090820\
 Data File : VX018281.D
 Acq On : 08 Sep 2020 17:33
 Operator : JC/SP
 Sample : PB131451ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451ZHE#02

Quant Time: Sep 09 01:23:30 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	434903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	703318	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	709313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	352126	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	310668	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
35) Dibromofluoromethane	5.46	113	248070	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
50) Toluene-d8	8.70	98	903719	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	11.12	95	336146	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	

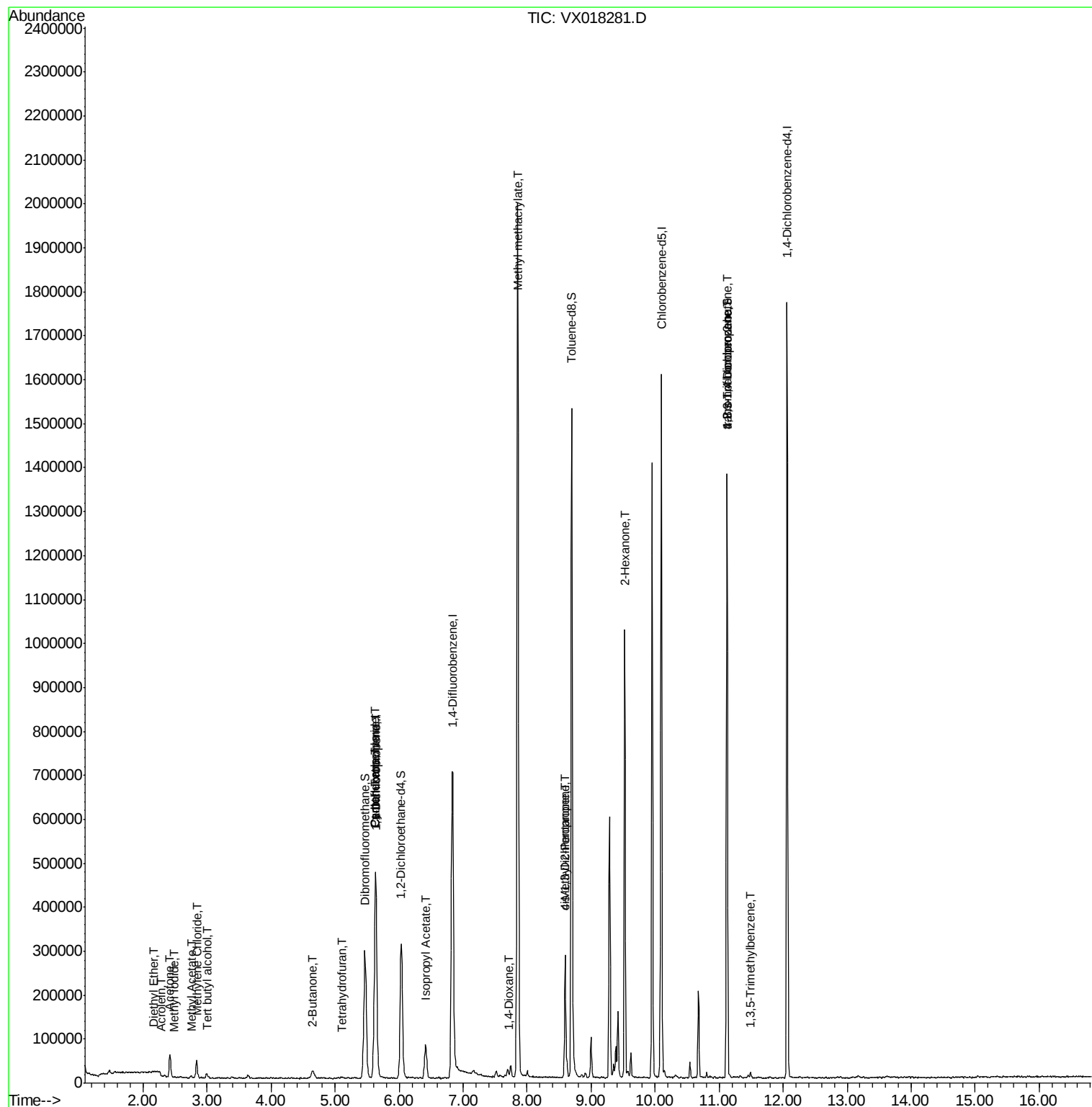
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.16	74	653	0.254	ug/l	74
10) Methyl Iodide	2.49	142	240	5.336	ug/l #	34
11) Tert butyl alcohol	3.00	59	5578	4.752	ug/l	98
13) Acrolein	2.28	56	274	0.563	ug/l #	14
16) Acetone	2.42	43	59192	25.160	ug/l	97
18) Methyl Acetate	2.75	43	5977	1.053	ug/l #	66
20) Methylene Chloride	2.84	84	17599	2.550	ug/l	97
25) 2-Butanone	4.64	43	9165	2.370	ug/l #	85
29) Tetrahydrofuran	5.10	42	2046	0.831	ug/l #	54
31) Cyclohexane	5.62	56	9823	1.359	ug/l #	31
36) 1,1-Dichloropropene	5.64	75	34396	5.302	ug/l #	42
38) Carbon Tetrachloride	5.63	117	44704	6.115	ug/l #	19
43) Isopropyl Acetate	6.42	43	105355	8.657	ug/l	99
48) Methyl methacrylate	7.85	41	175432	28.959	ug/l #	44
49) 1,4-Dioxane	7.72	88	92	0.838	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	102779	13.673	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	44284	5.229	ug/l #	58
59) 2-Hexanone	9.52	43	113796	19.909	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	175148	22.360	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	5735	0.300	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	175148	60.390	ug/l #	12

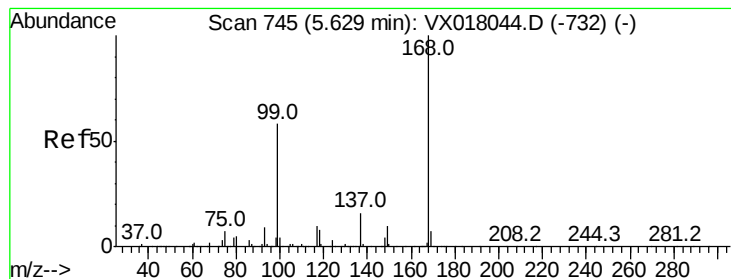
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018281.D

Acq: 08 Sep 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

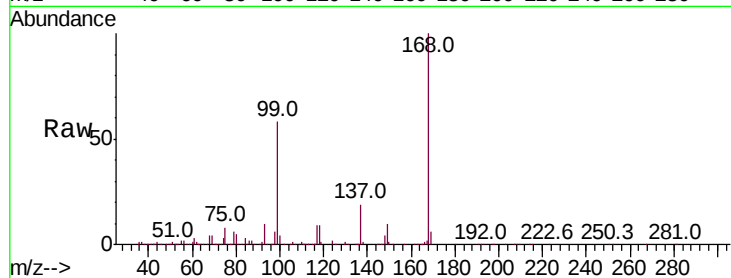
PB131451ZHE#02

Tot Ion:168 Resp: 434903

Ion Ratio Lower Upper

168 100

99 57.8 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

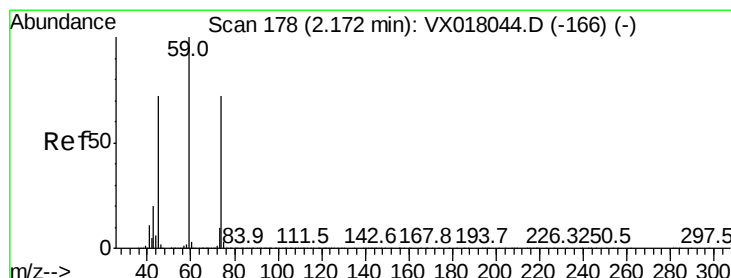
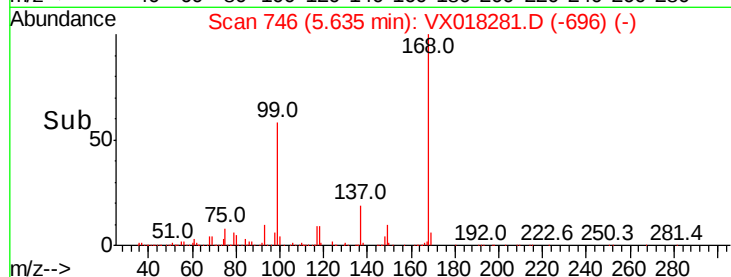
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.254 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX018281.D

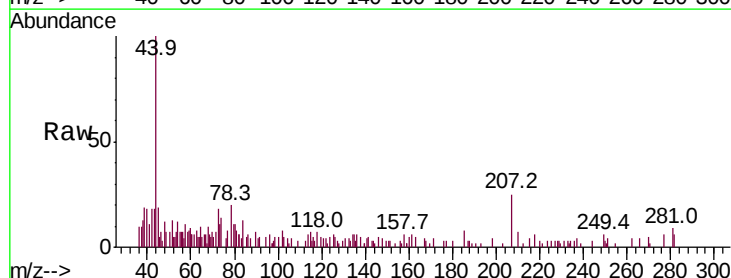
Acq: 08 Sep 2020 17:33

Tgt Ion: 74 Resp: 653

Ion Ratio Lower Upper

74 100

45 75.5 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

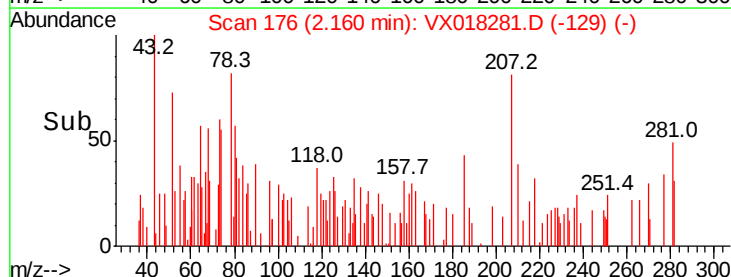
600

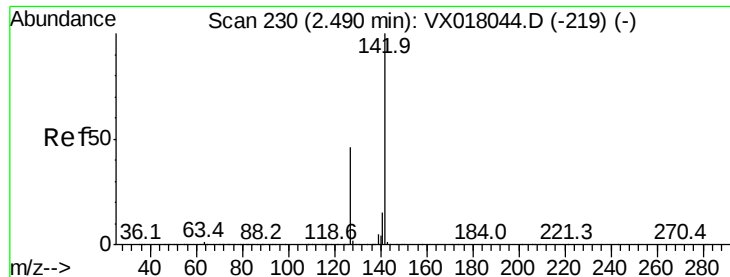
400

200

0

Time-->

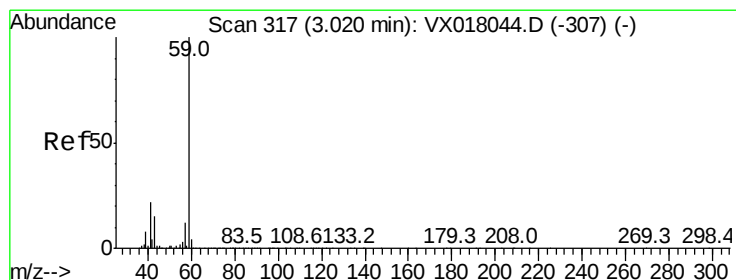
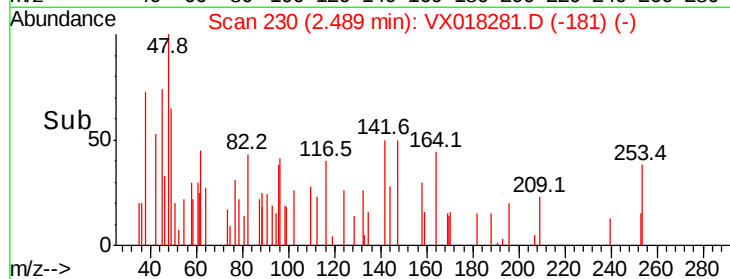
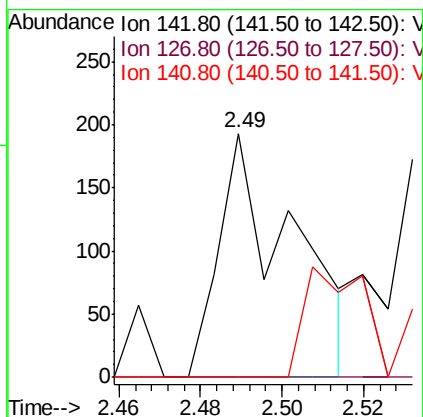
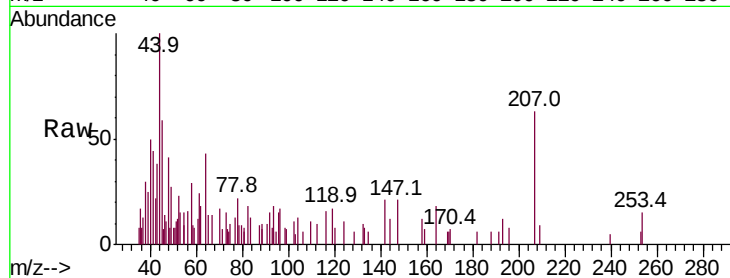




#10
Methvl Iodide
Concen: 5.336 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018281.D
Acq: 08 Sep 2020 17:33

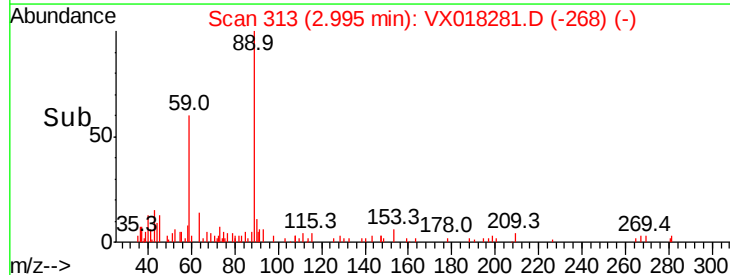
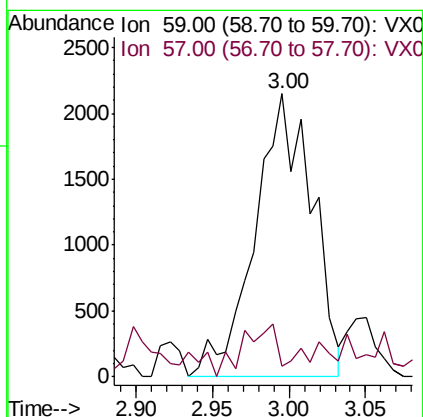
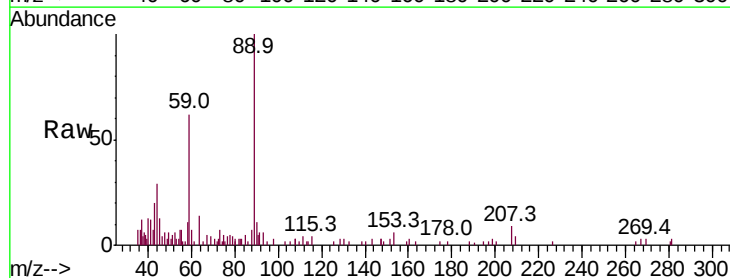
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#02

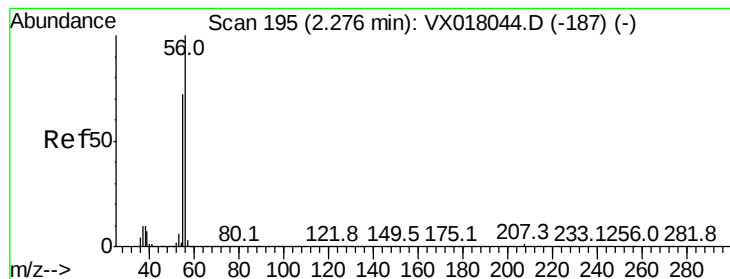
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.0	55.6#
141	35.8	11.5	17.3#



#11
Tert butyl alcohol
Concen: 4.752 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018281.D
Acq: 08 Sep 2020 17:33

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.9	13.3





#13

Acrolein

Concen: 0.563 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018281.D

Acq: 08 Sep 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

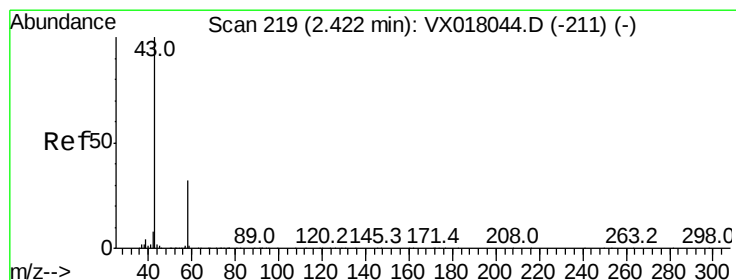
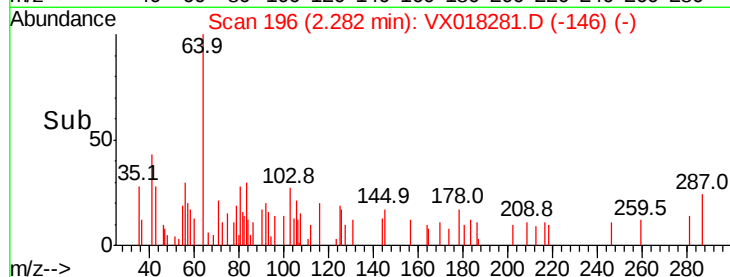
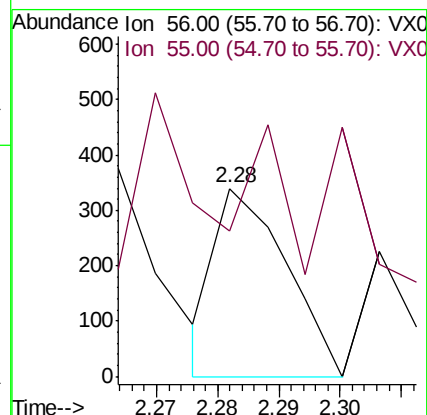
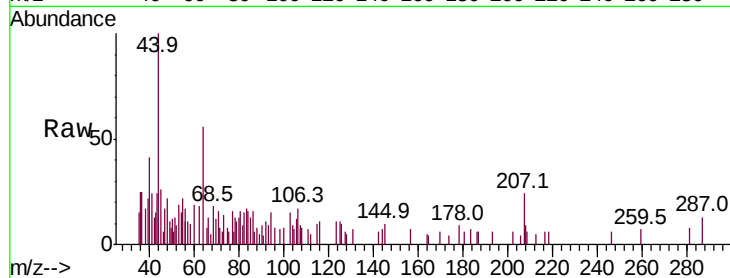
PB131451ZHE#02

Tot Ion: 56 Resp: 274

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#



#16

Acetone

Concen: 25.160 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018281.D

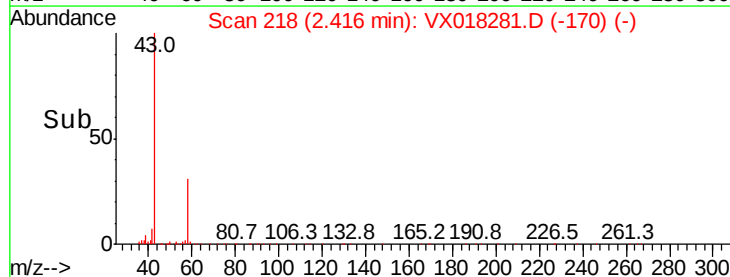
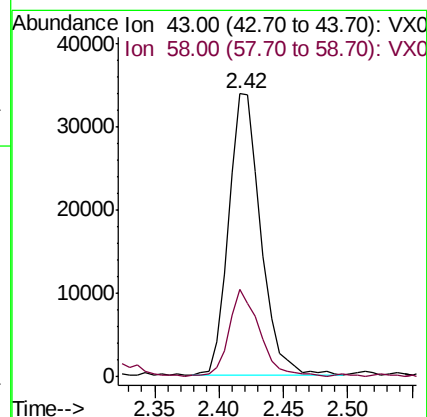
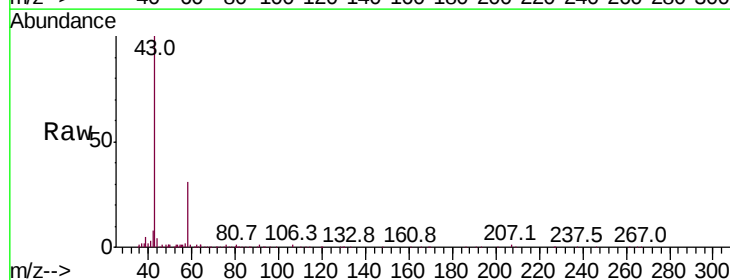
Acq: 08 Sep 2020 17:33

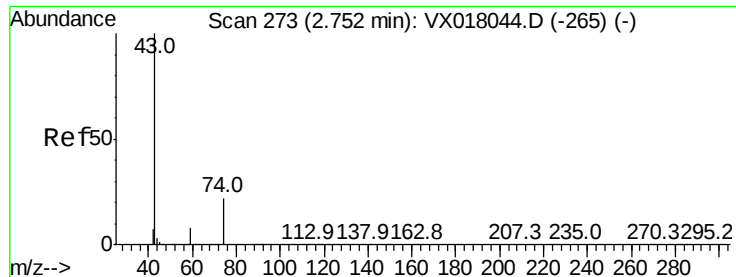
Tgt Ion: 43 Resp: 59192

Ion Ratio Lower Upper

43 100

58 30.5 25.5 38.3

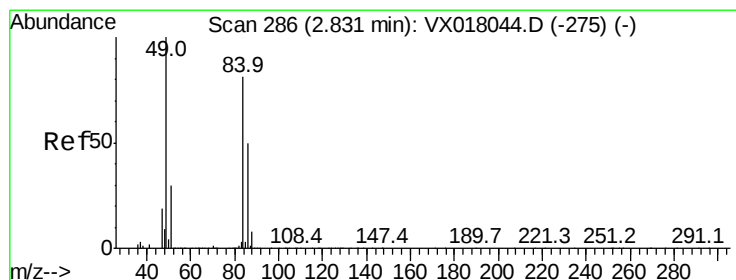
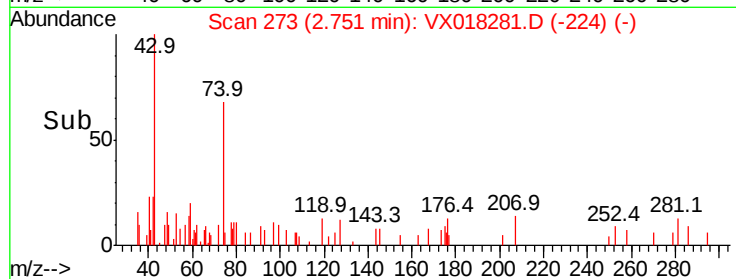
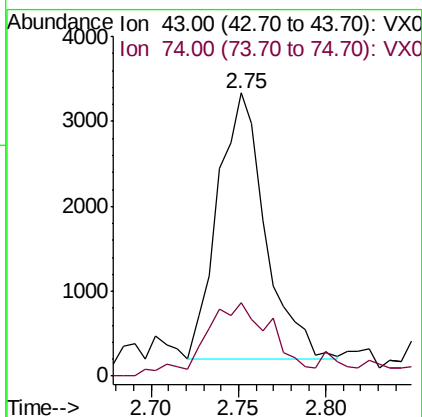
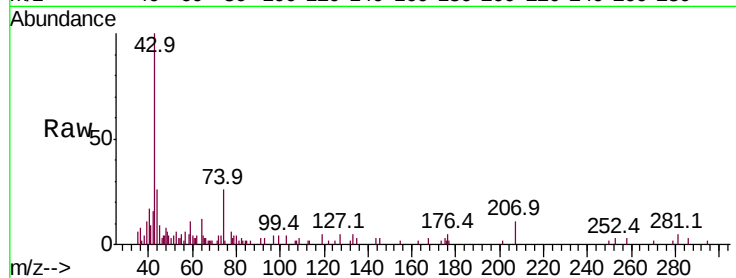




#18
Methyl Acetate
Concen: 1.053 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018281.D
Acq: 08 Sep 2020 17:33

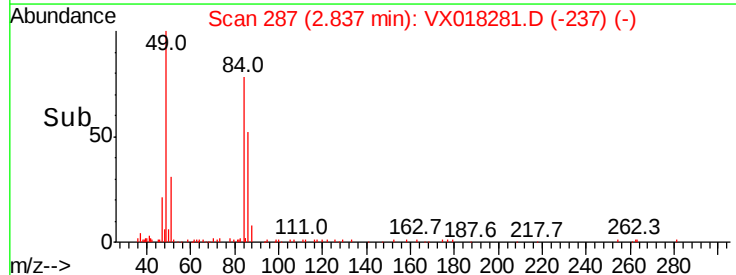
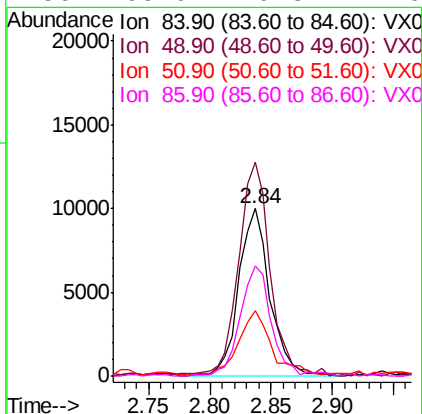
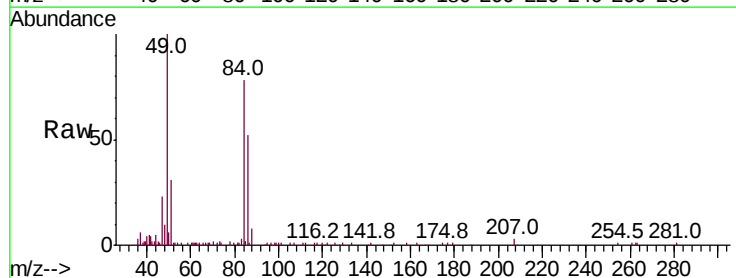
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#02

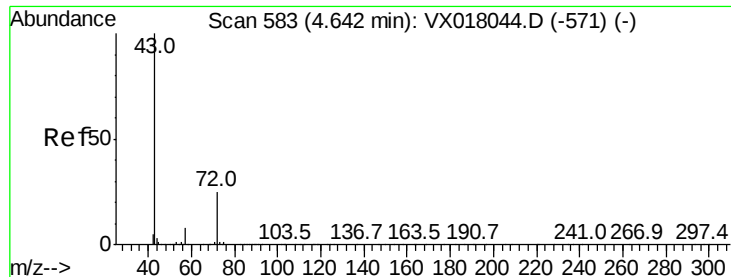
Tot Ion: 43 Resp: 5977
Ion Ratio Lower Upper
43 100
74 39.2 18.2 27.4#



#20
Methylene Chloride
Concen: 2.550 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018281.D
Acq: 08 Sep 2020 17:33

Tgt Ion: 84 Resp: 17599
Ion Ratio Lower Upper
84 100
49 126.5 98.6 148.0
51 38.4 29.6 44.4
86 65.9 49.8 74.6





#25

2-Butanone

Concen: 2.370 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX018281.D

Acq: 08 Sep 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

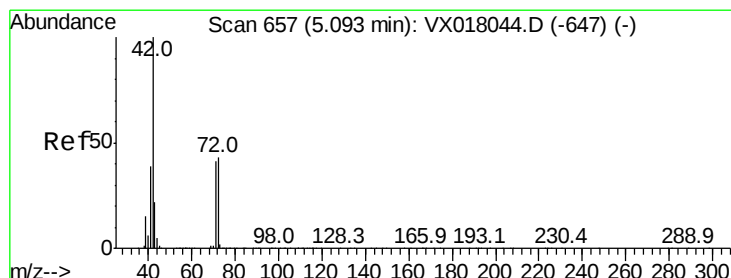
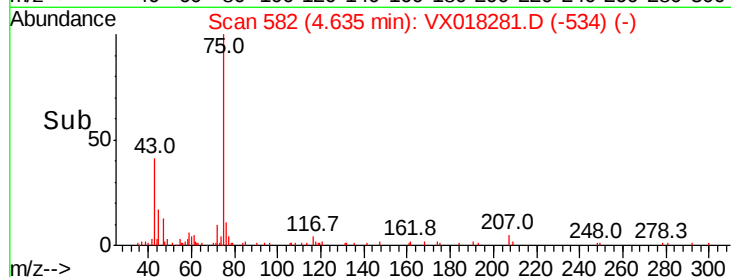
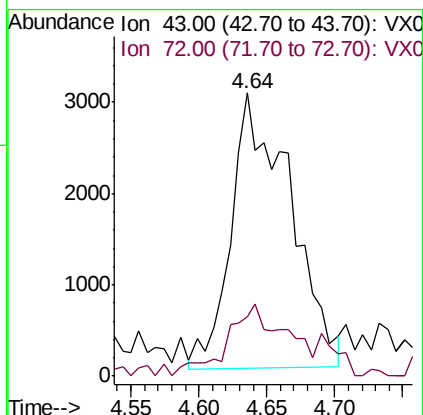
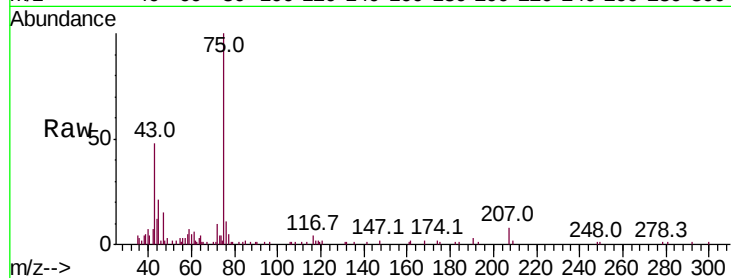
PB131451ZHE#02

Tot Ion: 43 Resp: 9165

Ion Ratio Lower Upper

43 100

72 17.2 19.8 29.6#



#29

Tetrahydrofuran

Concen: 0.831 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018281.D

Acq: 08 Sep 2020 17:33

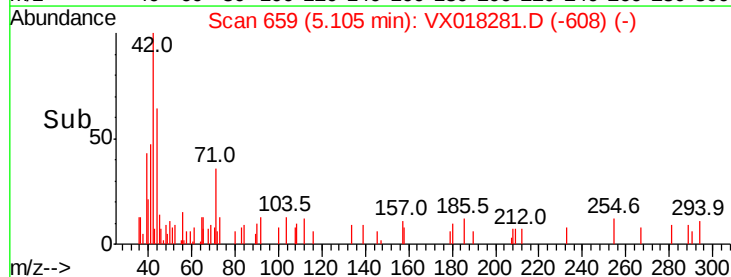
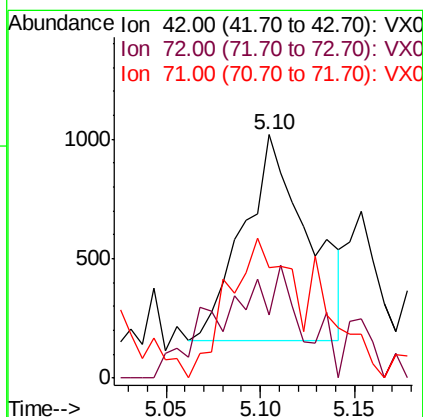
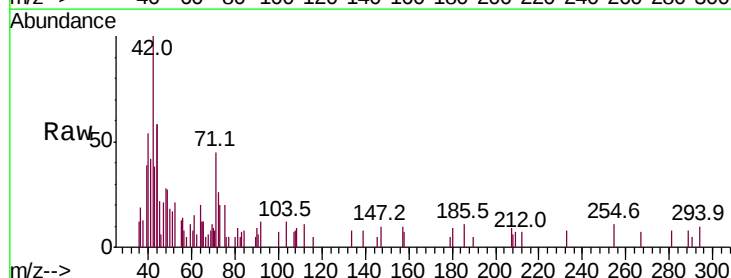
Tgt Ion: 42 Resp: 2046

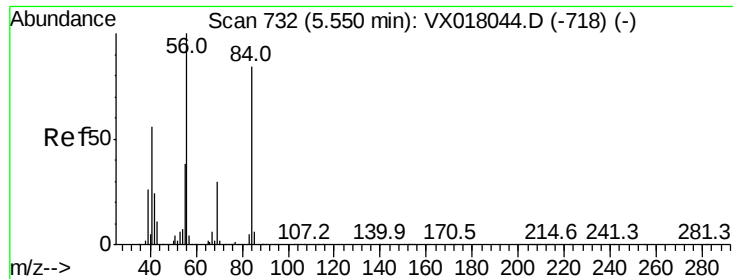
Ion Ratio Lower Upper

42 100

72 9.3 34.2 51.4#

71 64.2 32.1 48.1#

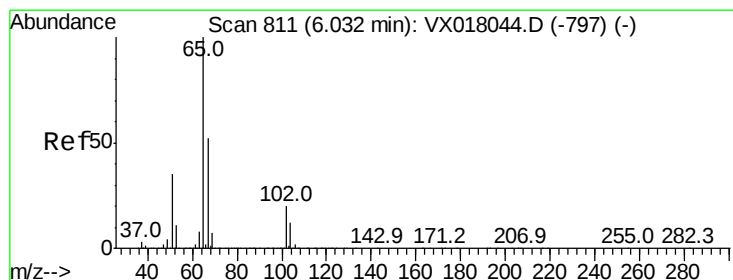
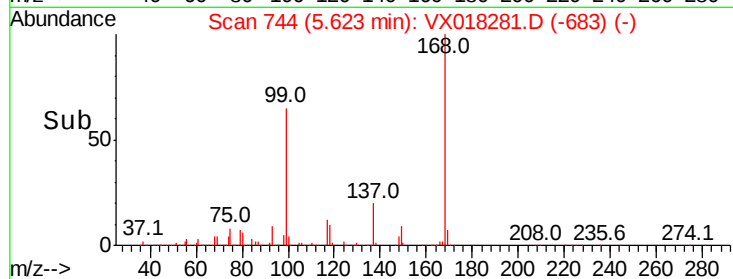
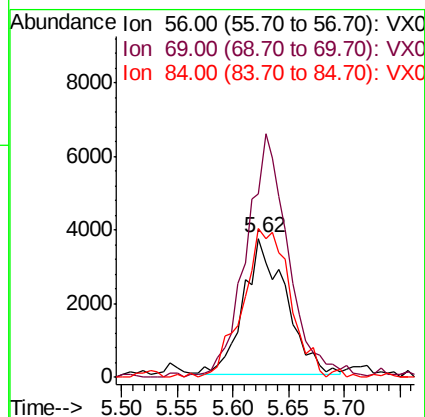
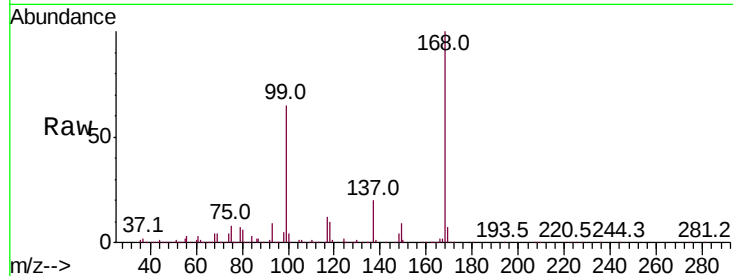




#31
Cyclohexane
Concen: 1.359 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX018281.D
Acq: 08 Sep 2020 17:33

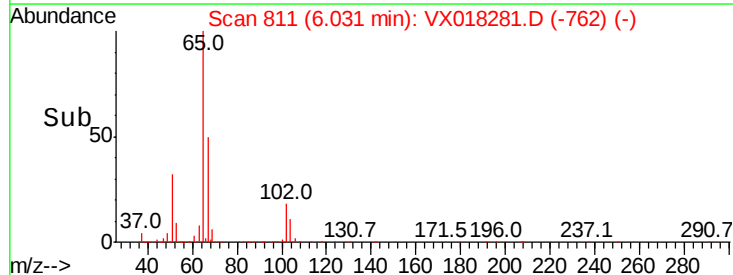
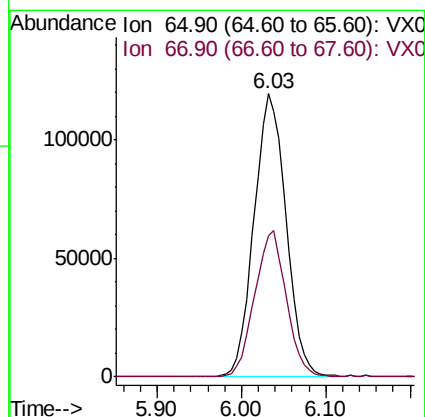
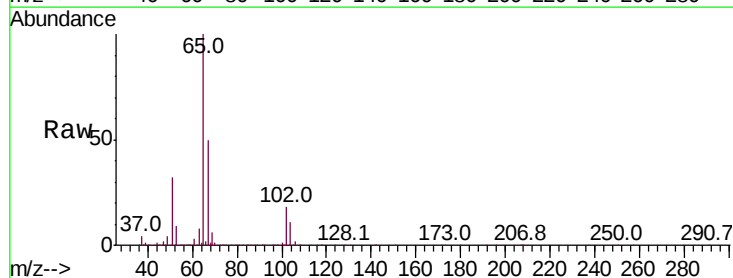
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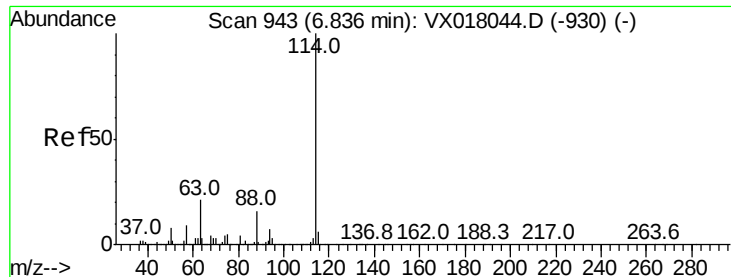
Tot Ion: 56 Resp: 9823
Ion Ratio Lower Upper
56 100
69 133.5 23.9 35.9#
84 106.6 67.0 100.4#



#33
1,2-Dichloroethane-d4
Concen: 51.456 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018281.D
Acq: 08 Sep 2020 17:33

Tgt Ion: 65 Resp: 310668
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018281.D

Acq: 08 Sep 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#02

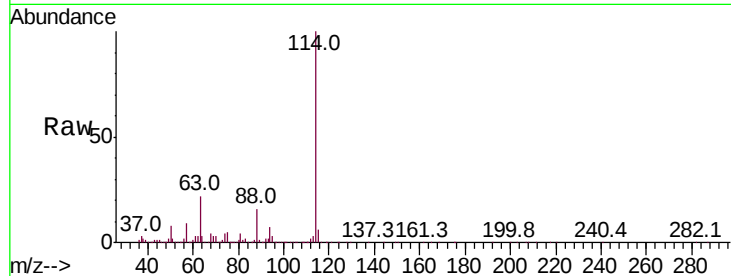
Tot Ion:114 Resp: 703318

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.6

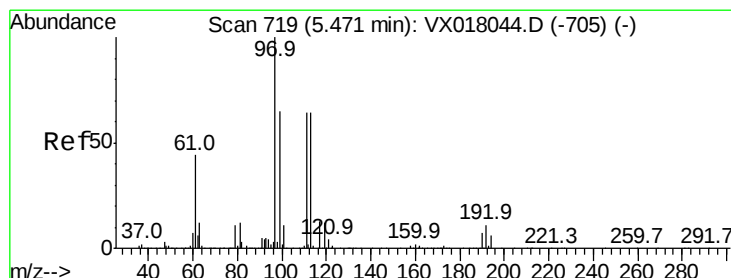
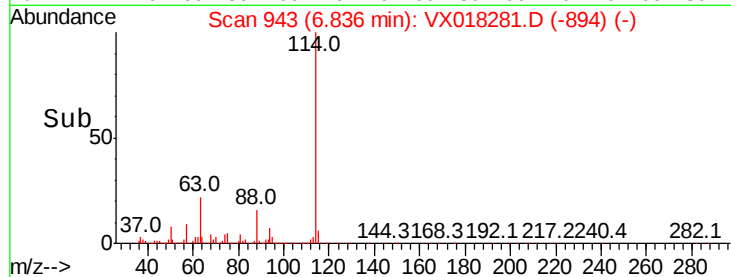
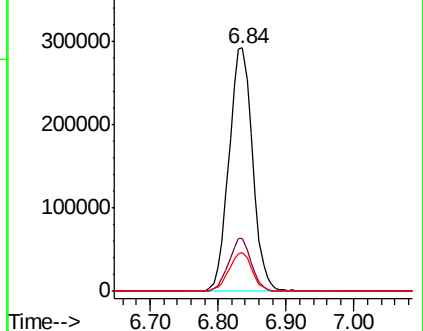
88 15.9 0.0 31.8



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: 51.790 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018281.D

Acq: 08 Sep 2020 17:33

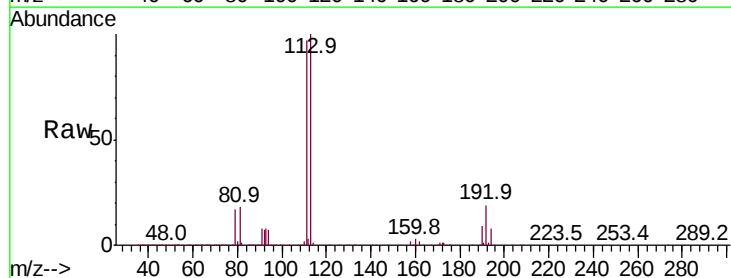
Tgt Ion:113 Resp: 248070

Ion Ratio Lower Upper

113 100

111 101.2 81.6 122.4

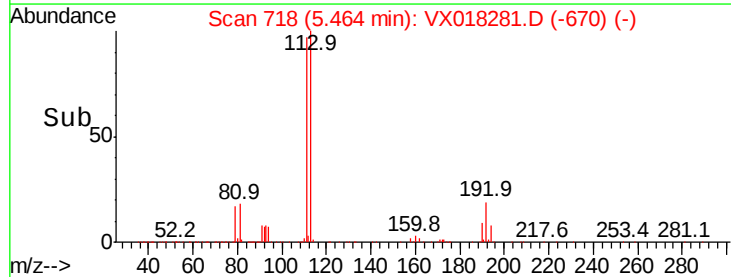
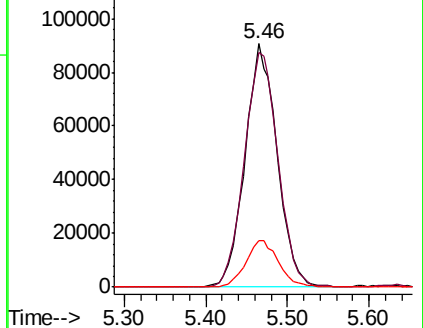
192 19.6 15.8 23.8

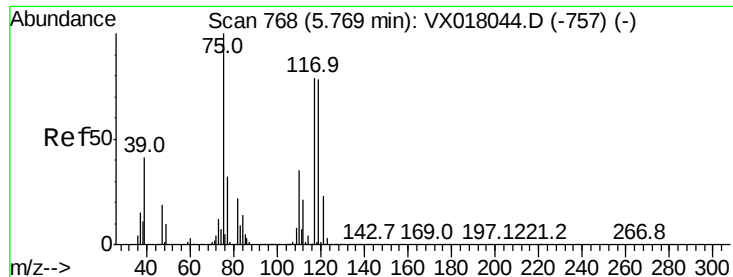


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

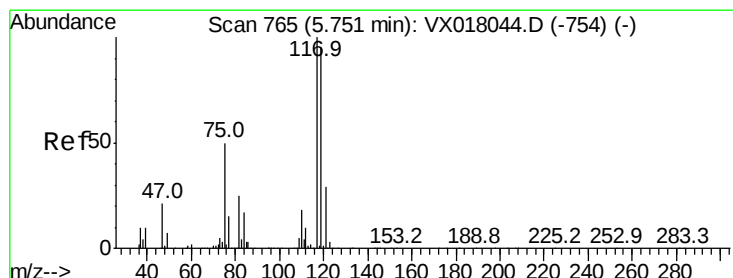
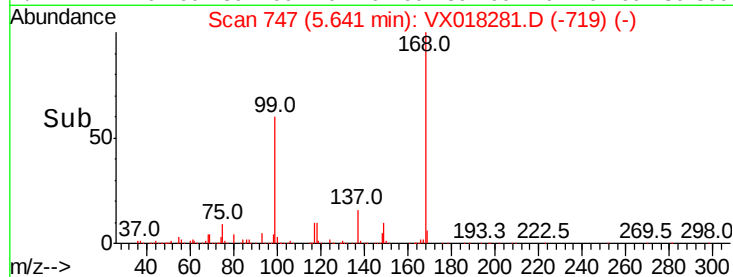
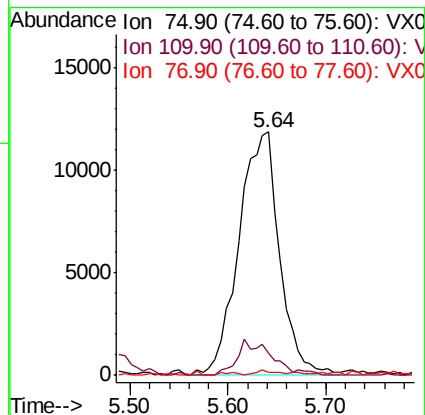
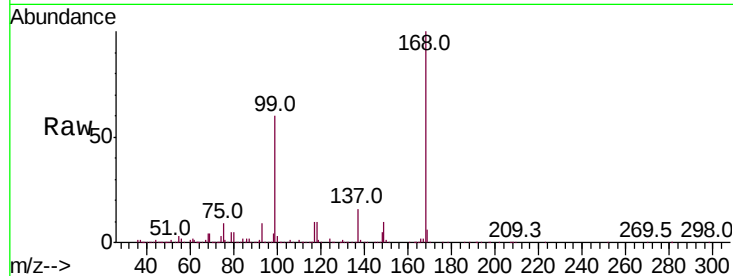




#36
 1,1-Dichloropropene
 Concen: 5.302 ug/l
 RT: 5.64 min Scan# 747
 Delta R.T. -0.13 min
 Lab File: VX018281.D
 Acq: 08 Sep 2020 17:33

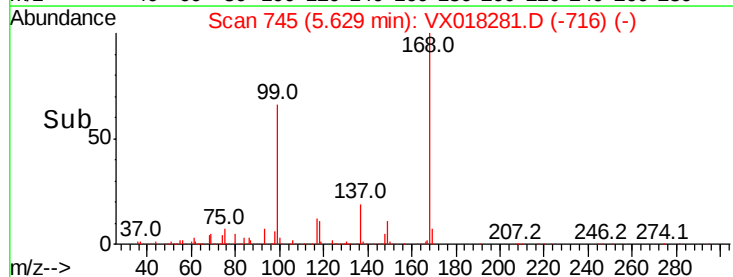
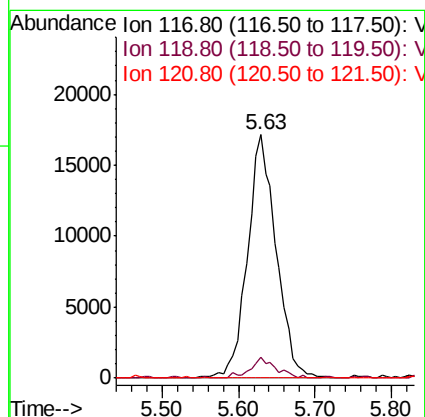
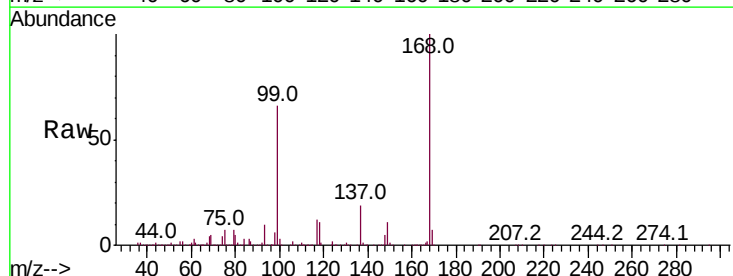
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451ZHE#02

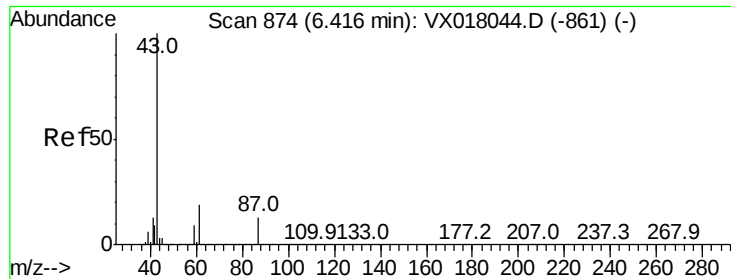
Tot Ion: 75 Resp: 34396
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.0 54.0#
 77 1.1 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.115 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018281.D
 Acq: 08 Sep 2020 17:33

Tgt Ion: 117 Resp: 44704
 Ion Ratio Lower Upper
 117 100
 119 8.7 75.8 113.6#
 121 0.0 23.4 35.0#



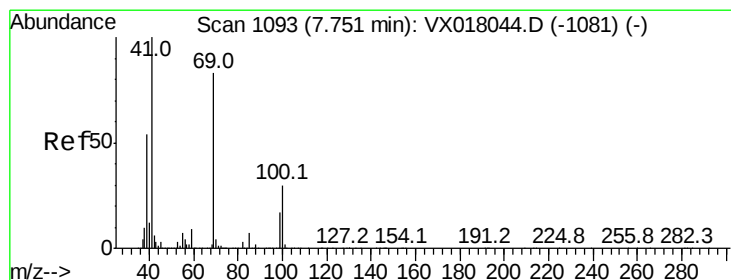
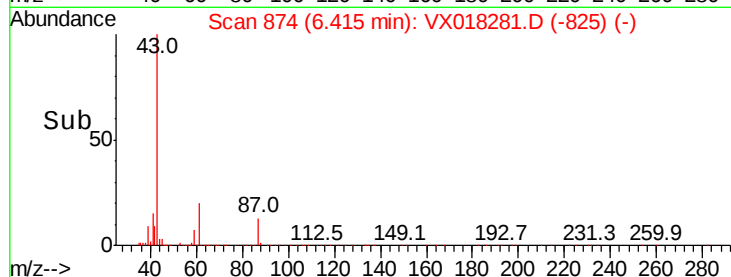
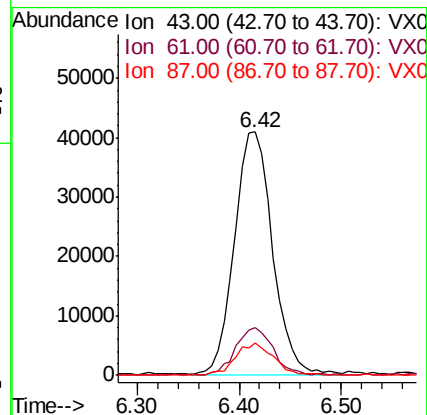
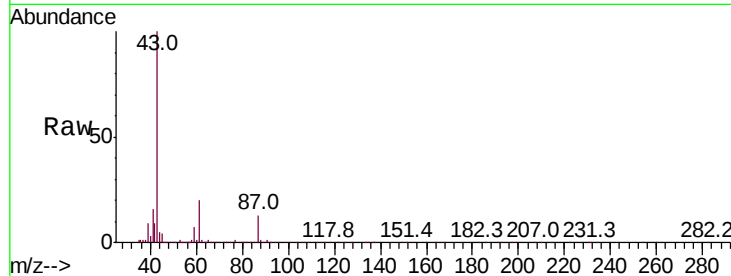


#43

Isopropyl Acetate
 Concen: 8.657 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX018281.D
 Acq: 08 Sep 2020 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451ZHE#02

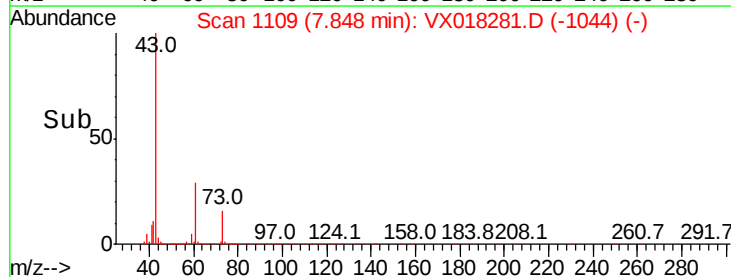
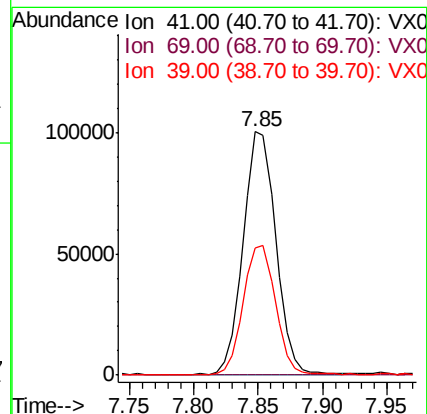
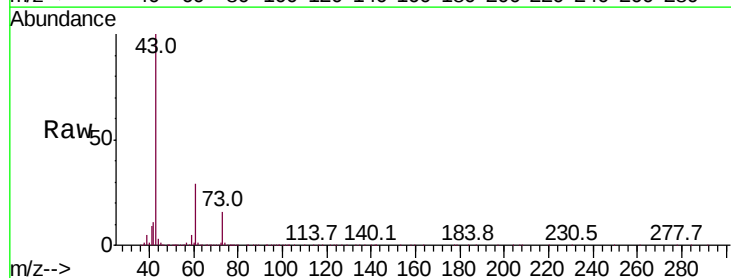
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.7	23.5
87	13.5	10.3	15.5

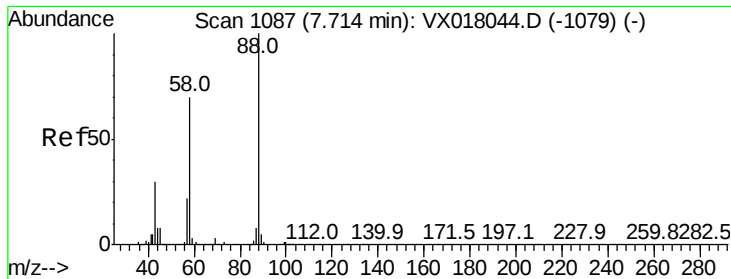


#48

Methyl methacrylate
 Concen: 28.959 ug/l
 RT: 7.85 min Scan# 1109
 Delta R.T. 0.10 min
 Lab File: VX018281.D
 Acq: 08 Sep 2020 17:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.3	65.5	98.3#
39	52.7	44.5	66.7





#49

1,4-Dioxane

Concen: 0.838 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018281.D

Acq: 08 Sep 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#02

Tot Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

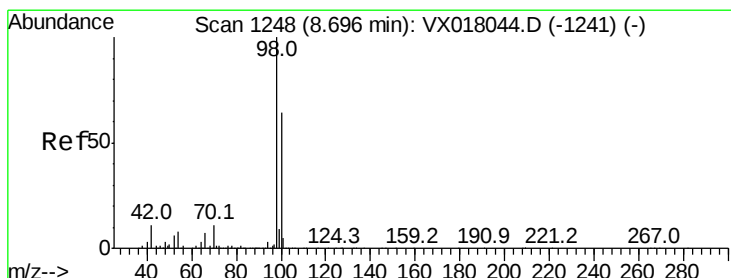
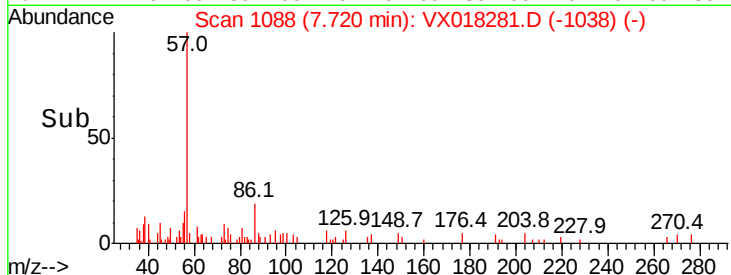
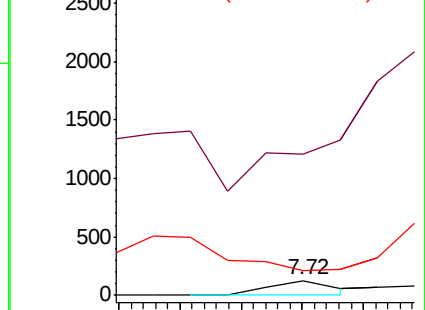
58 0.0 56.4 84.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.656 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018281.D

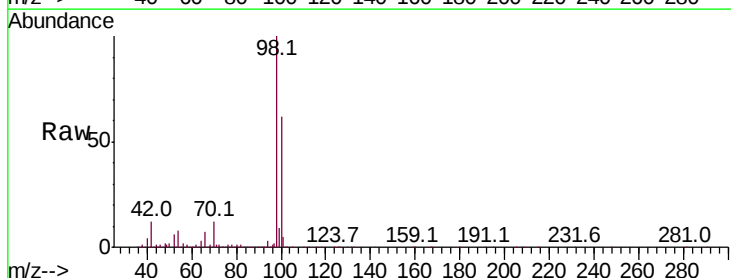
Acq: 08 Sep 2020 17:33

Tgt Ion: 98 Resp: 903719

Ion Ratio Lower Upper

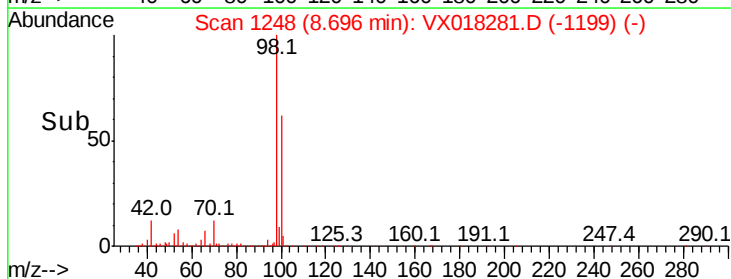
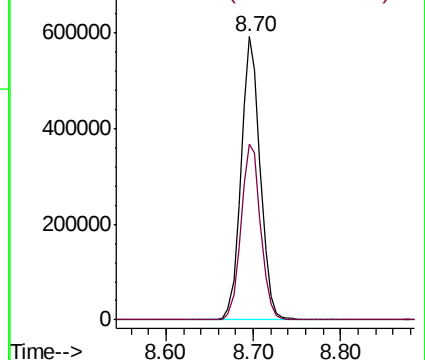
98 100

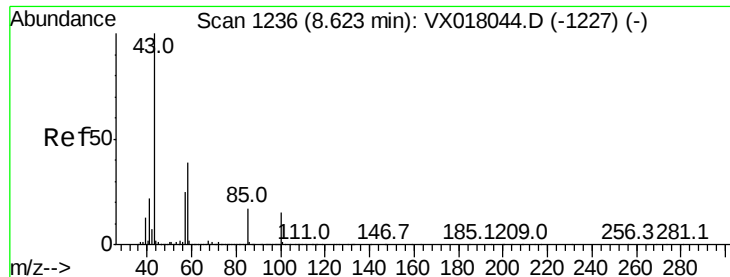
100 63.7 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 13.673 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018281.D

Acq: 08 Sep 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

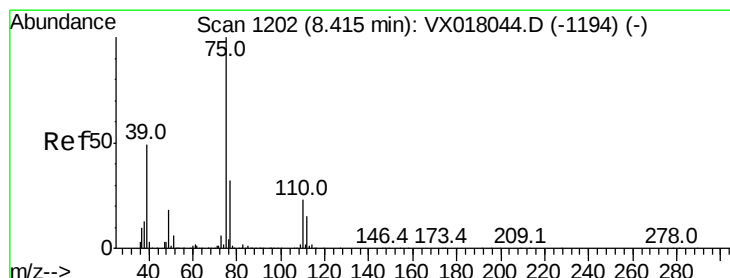
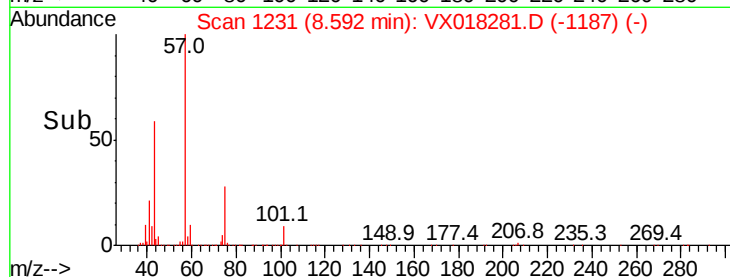
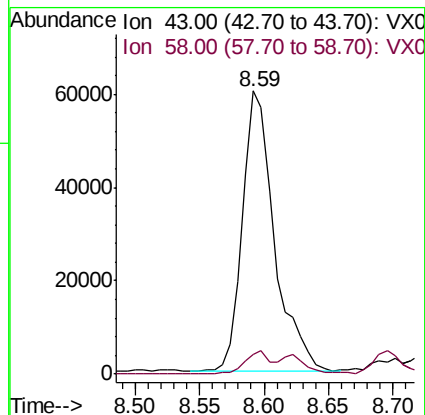
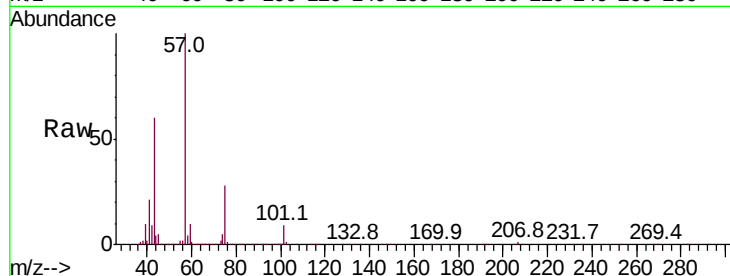
PB131451ZHE#02

Tot Ion: 43 Resp: 102779

Ion Ratio Lower Upper

43 100

58 7.2 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 5.229 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018281.D

Acq: 08 Sep 2020 17:33

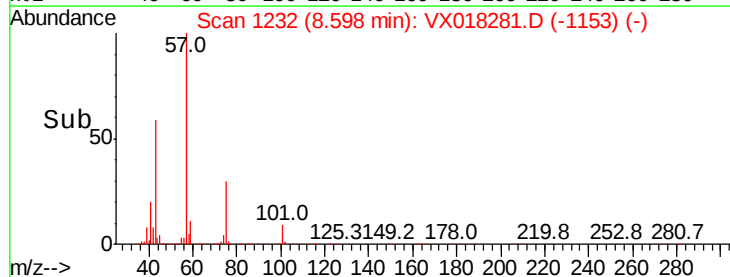
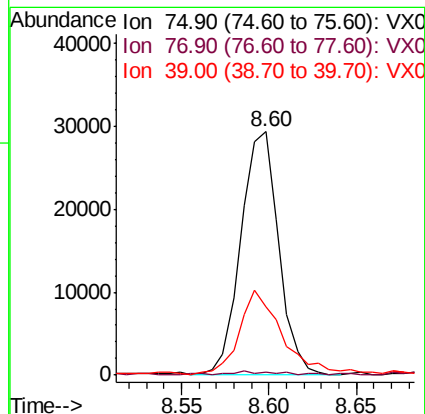
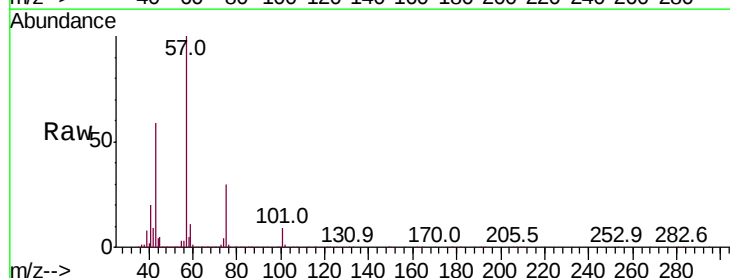
Tgt Ion: 75 Resp: 44284

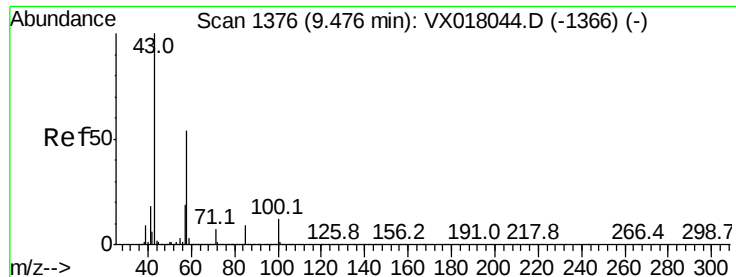
Ion Ratio Lower Upper

75 100

77 0.8 25.8 38.8#

39 27.0 38.8 58.2#

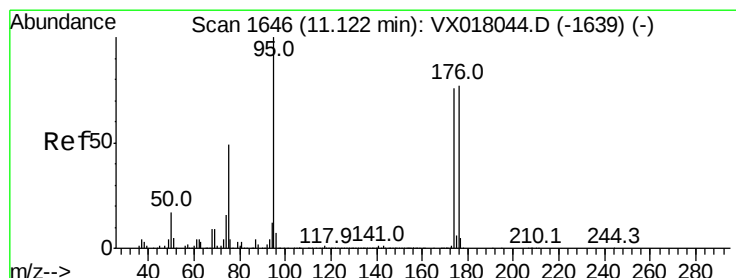
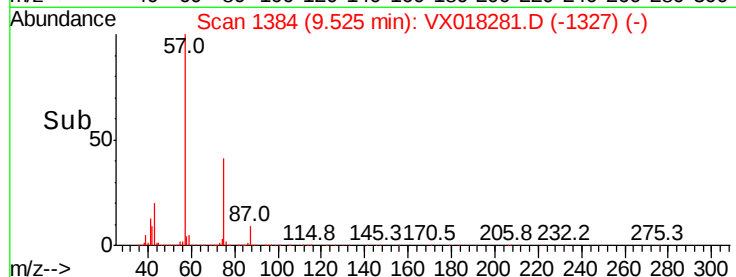
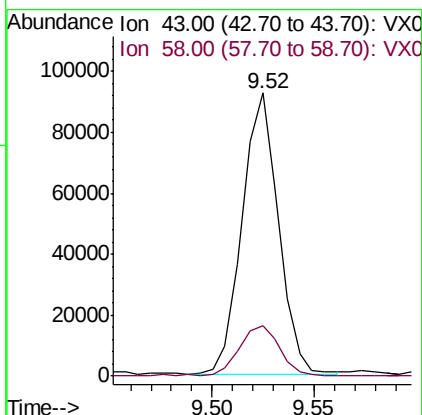
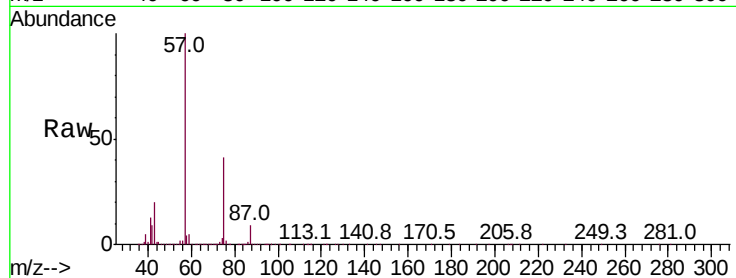




#59
2-Hexanone
Concen: 19.909 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX018281.D
Acq: 08 Sep 2020 17:33

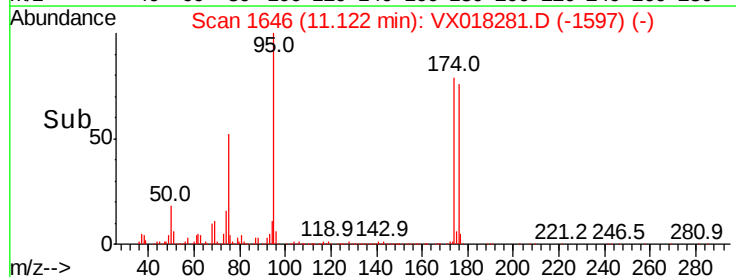
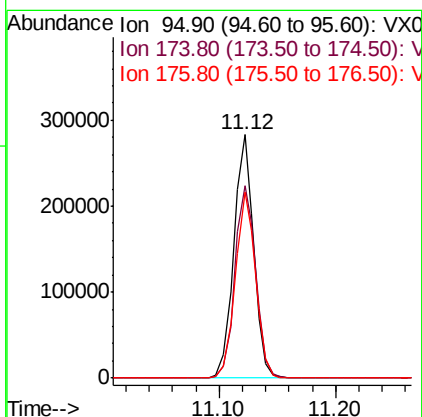
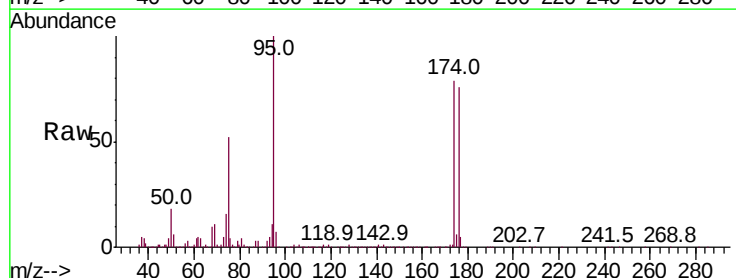
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#02

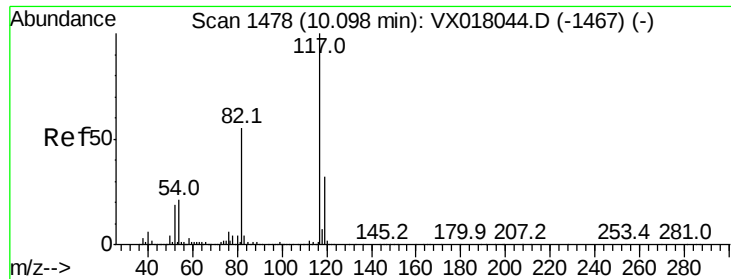
Tot Ion: 43 Resp: 113796
Ion Ratio Lower Upper
43 100
58 19.8 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 47.890 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018281.D
Acq: 08 Sep 2020 17:33

Tgt Ion: 95 Resp: 336146
Ion Ratio Lower Upper
95 100
174 83.1 0.0 160.2
176 78.1 0.0 155.8

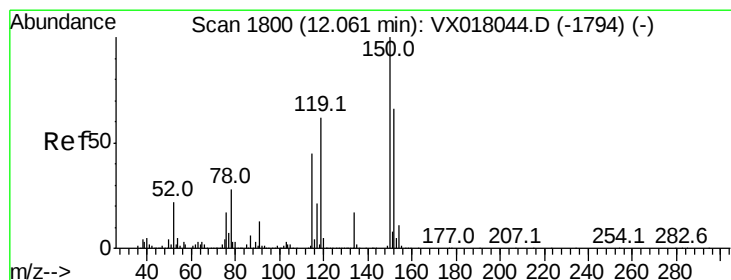
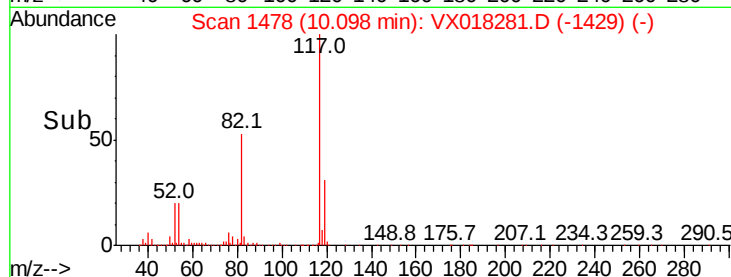
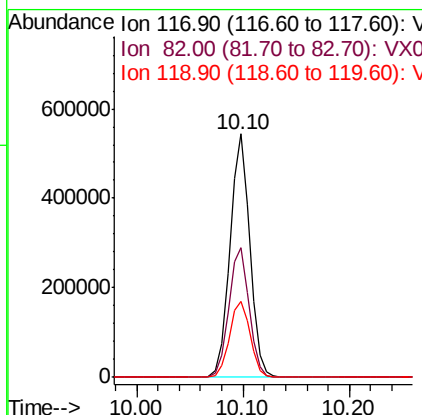
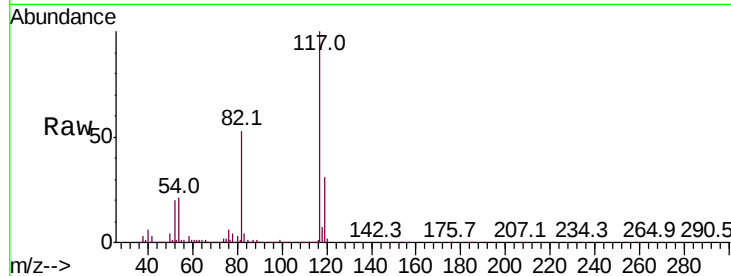




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018281.D
Acq: 08 Sep 2020 17:33

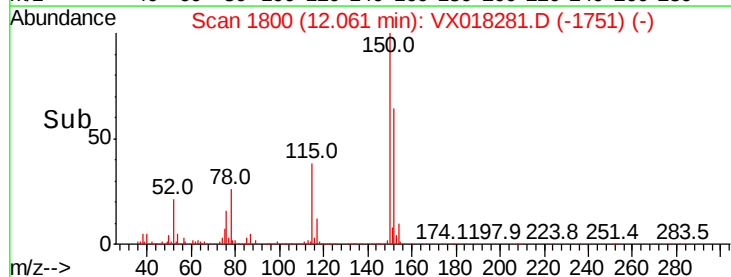
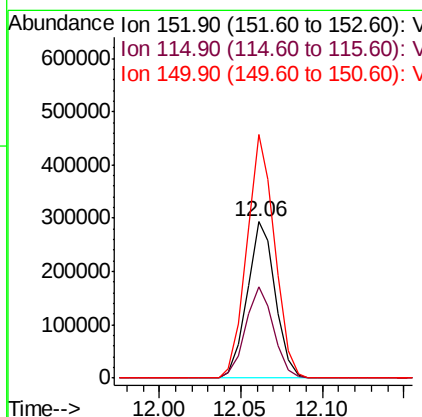
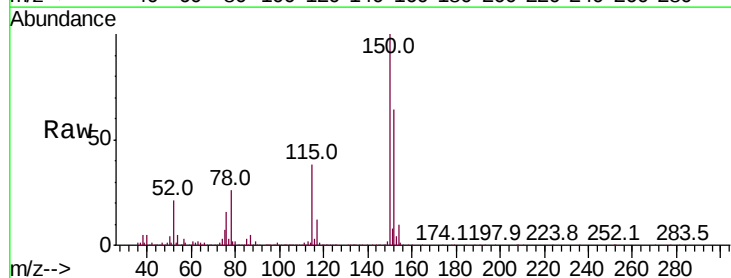
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#02

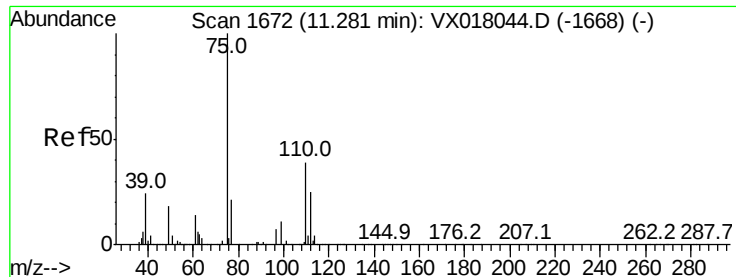
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.2	66.2
119	31.2	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018281.D
Acq: 08 Sep 2020 17:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	41.5	124.5
150	154.9	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.360 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018281.D

Acq: 08 Sep 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

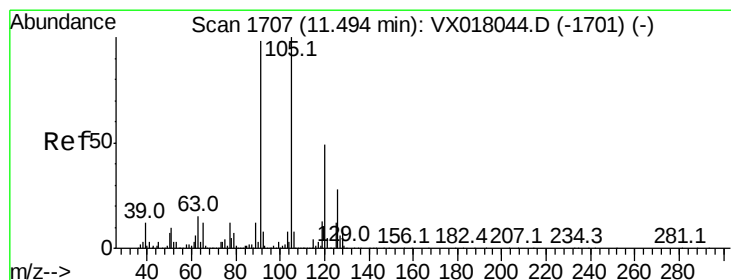
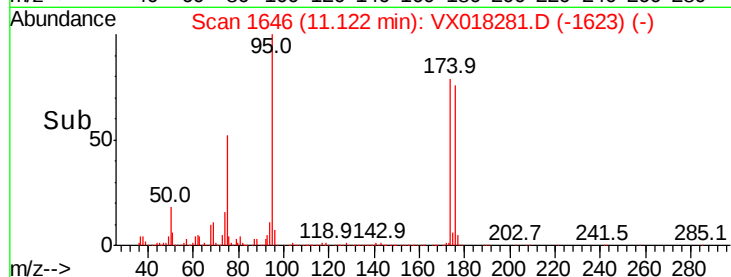
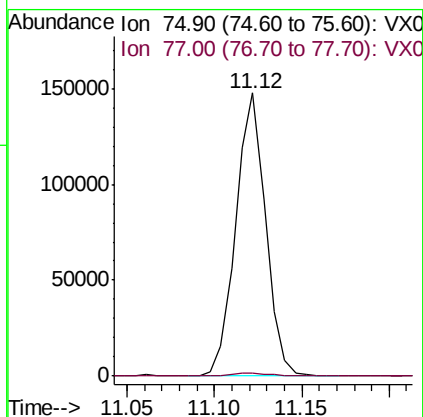
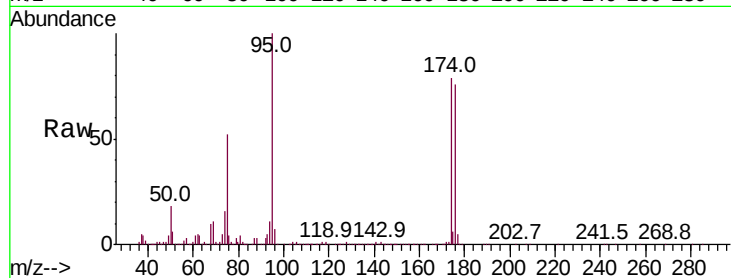
PB131451ZHE#02

Tot Ion: 75 Resp: 175148

Ion Ratio Lower Upper

75 100

77 1.5 20.8 62.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.300 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018281.D

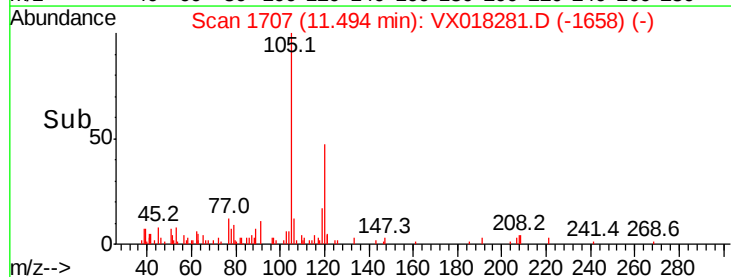
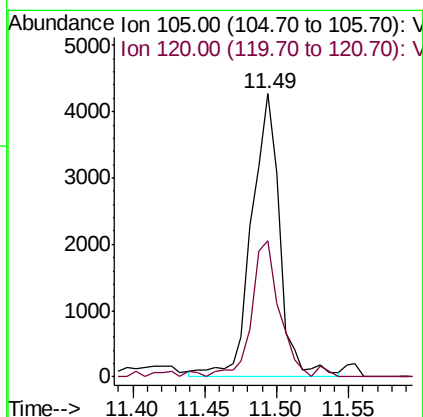
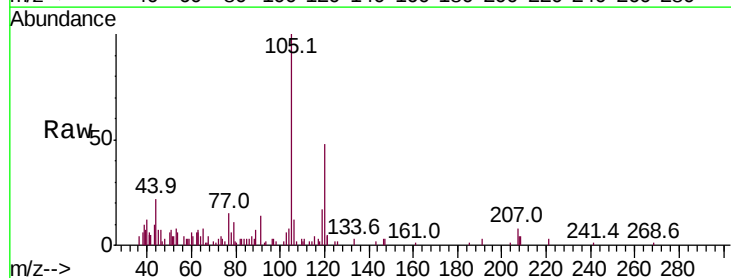
Acq: 08 Sep 2020 17:33

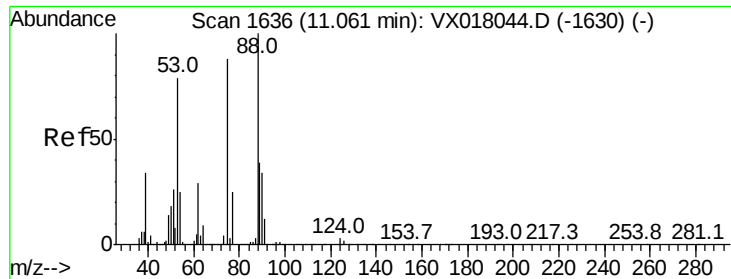
Tgt Ion: 105 Resp: 5735

Ion Ratio Lower Upper

105 100

120 47.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 60.390 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018281.D

Acq: 08 Sep 2020 17:33

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#02

Tot Ion: 75 Resp: 175148

Ion Ratio Lower Upper

75 100

53 0.6 74.7 112.1#

89 0.1 36.6 54.8#

