

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018287.D
 Acq On : 08 Sep 2020 19:50
 Operator : JC/SP
 Sample : PB131451ZHE#08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451ZHE#08

Quant Time: Sep 09 01:24:35 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	430998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	704180	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	709734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	344306	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	316152	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
35) Dibromofluoromethane	5.46	113	248624	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
50) Toluene-d8	8.70	98	890700	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.12	95	334750	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	

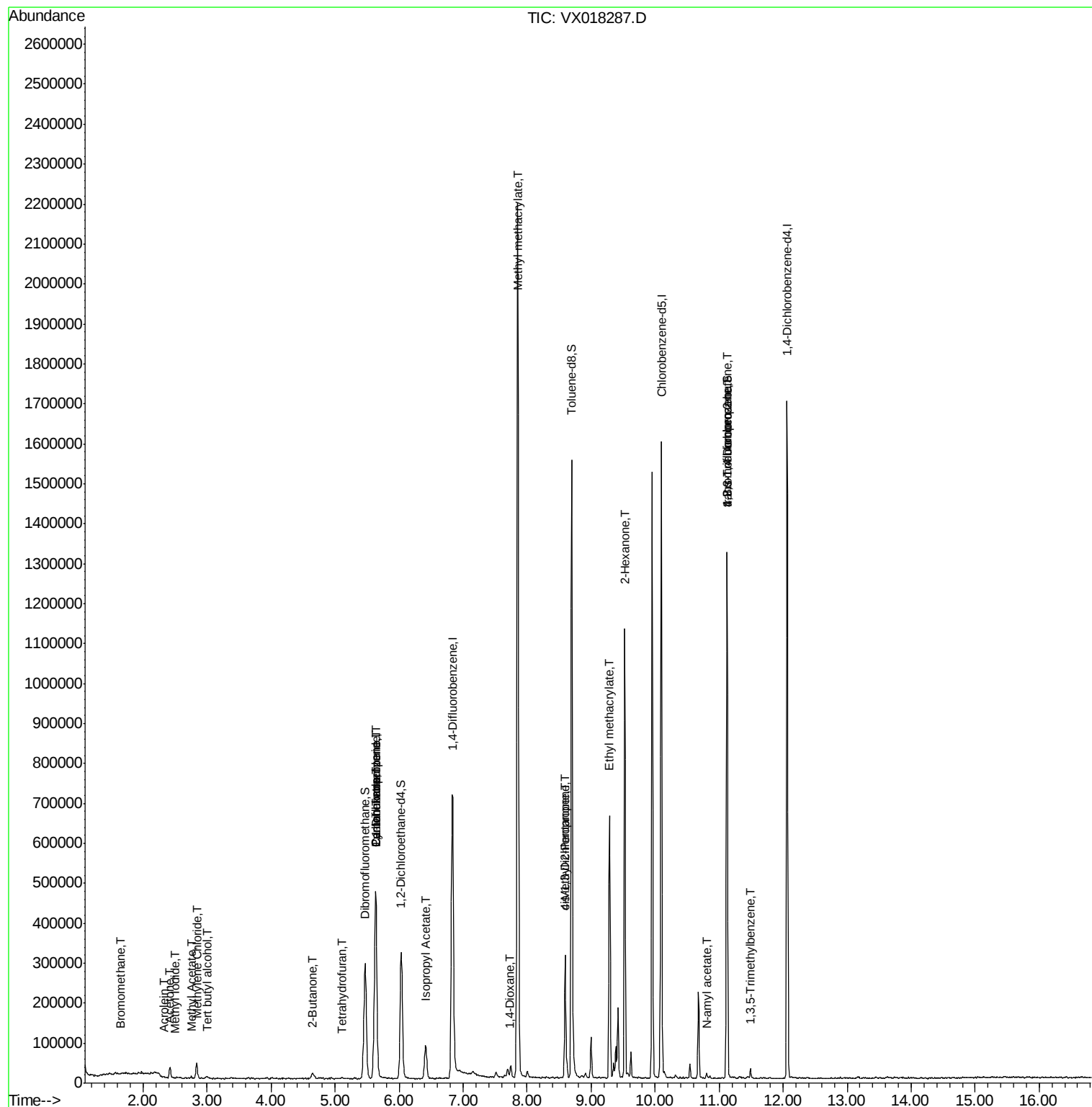
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	998	0.376	ug/l #	3
10) Methyl Iodide	2.50	142	76	5.302	ug/l #	1
11) Tert butyl alcohol	3.00	59	3404	2.926	ug/l #	71
13) Acrolein	2.33	56	212	0.439	ug/l #	14
16) Acetone	2.42	43	28175	12.085	ug/l	90
18) Methyl Acetate	2.75	43	4650	0.826	ug/l #	62
20) Methylene Chloride	2.84	84	17872	2.643	ug/l	98
25) 2-Butanone	4.65	43	6087	1.589	ug/l #	85
29) Tetrahydrofuran	5.10	42	2363	0.969	ug/l #	79
31) Cyclohexane	5.63	56	9240	1.290	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	33193	5.111	ug/l #	52
38) Carbon Tetrachloride	5.64	117	47980	6.555	ug/l #	17
43) Isopropyl Acetate	6.42	43	117259	9.624	ug/l	98
48) Methyl methacrylate	7.85	41	196087	32.329	ug/l #	45
49) 1,4-Dioxane	7.72	88	70	0.637	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	113657	15.101	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	48570	5.728	ug/l #	64
56) Ethyl methacrylate	9.29	69	3359	0.438	ug/l #	1
59) 2-Hexanone	9.52	43	129370	22.606	ug/l #	51
74) N-amyl acetate	10.80	43	5799	0.538	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	175711	22.941	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	11617	0.622	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.12	75	175711	61.960	ug/l #	12

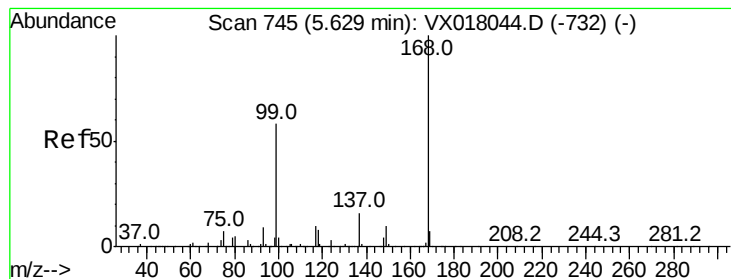
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090820\
Data File : VX018287.D
Acq On : 08 Sep 2020 19:50
Operator : JC/SP
Sample : PB131451ZHE#08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#08

Quant Time: Sep 09 01:24:35 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: VX018287.D

Acq: 08 Sep 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

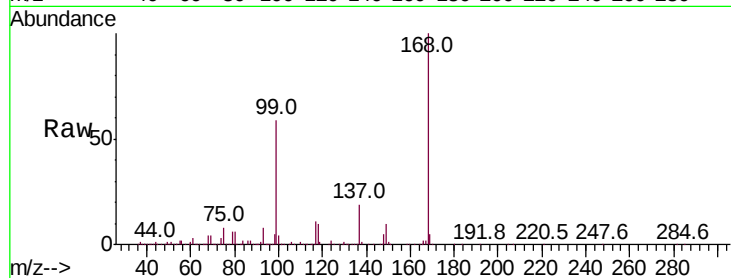
PB131451ZHE#08

Tot Ion:168 Resp: 430998

Ion Ratio Lower Upper

168 100

99 58.9 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

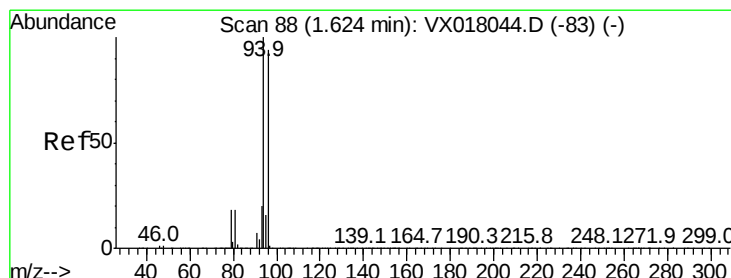
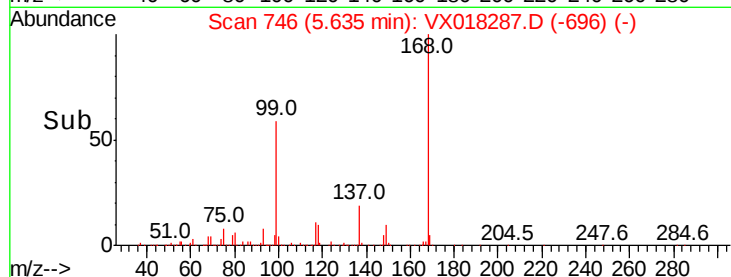
100000

50000

0

5.50 5.60 5.70

Time-->



#5

Bromomethane

Concen: 0.376 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018287.D

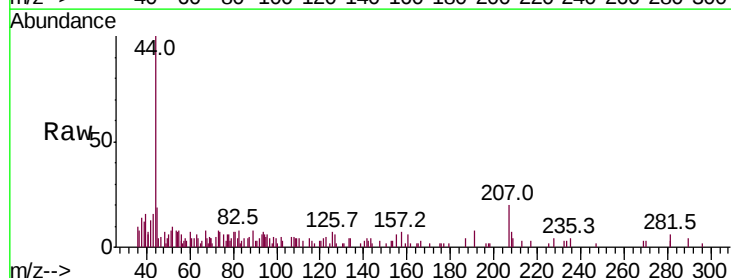
Acq: 08 Sep 2020 19:50

Tgt Ion: 94 Resp: 998

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

1.65

400

300

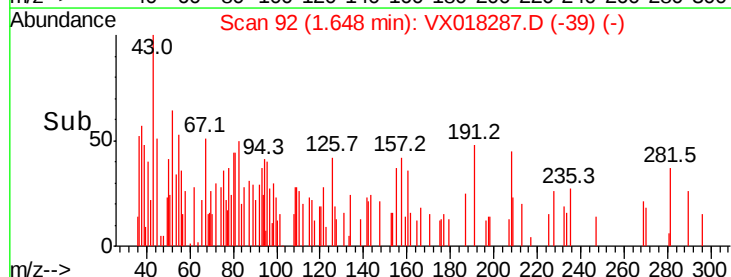
200

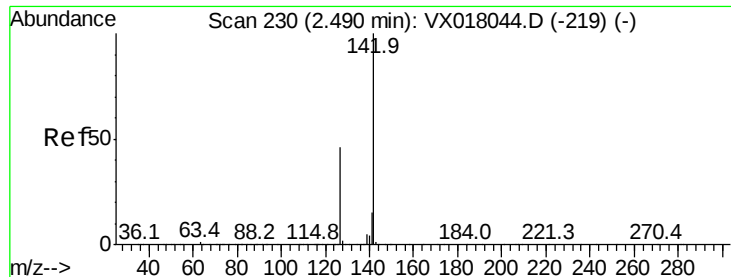
100

0

1.60 1.65 1.70

Time-->





#10

Methyl Iodide

Concen: 5.302 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#08

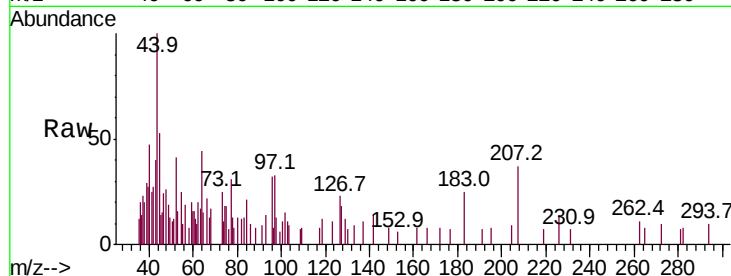
Tot Ion:142 Resp: 76

Ion Ratio Lower Upper

142 100

127 375.0 37.0 55.6#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

400

300

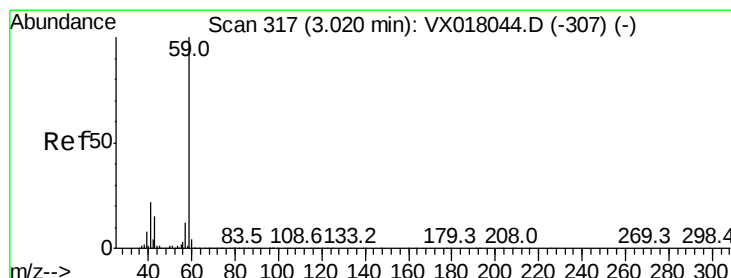
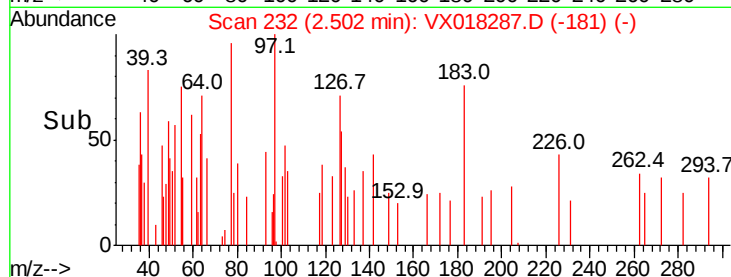
200

100

0

2.48 2.49 2.50 2.51

Time-->



#11

Tert butyl alcohol

Concen: 2.926 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX018287.D

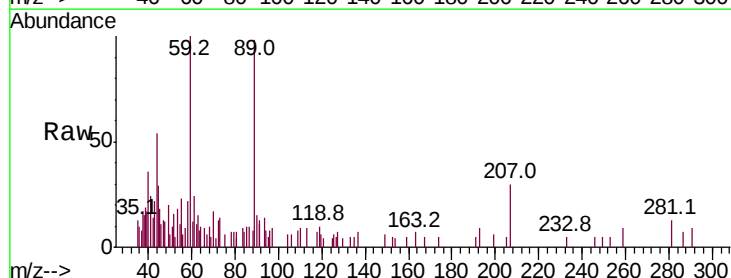
Acq: 08 Sep 2020 19:50

Tgt Ion: 59 Resp: 3404

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1500

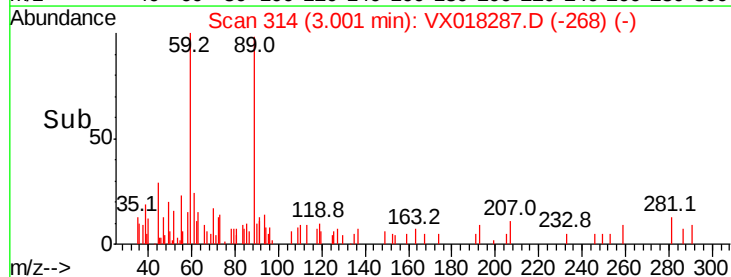
1000

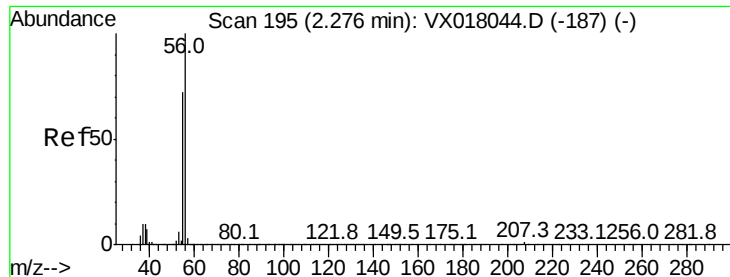
500

0

2.90 2.95 3.00 3.05

Time-->





#13

Acrolein

Concen: 0.439 ug/l

RT: 2.33 min Scan# 204

Delta R.T. 0.05 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

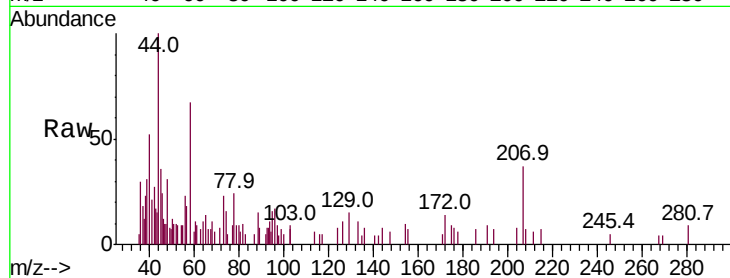
PB131451ZHE#08

Tot Ion: 56 Resp: 212

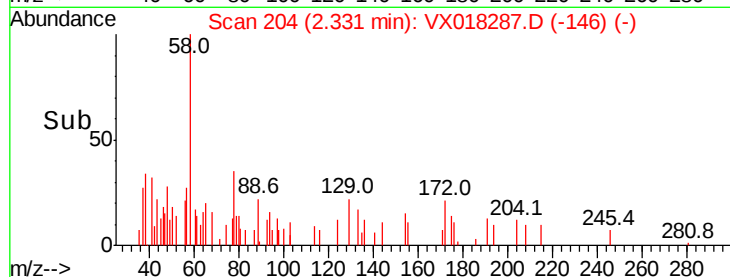
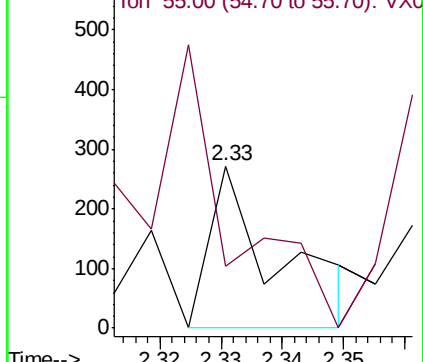
Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#16

Acetone

Concen: 12.085 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018287.D

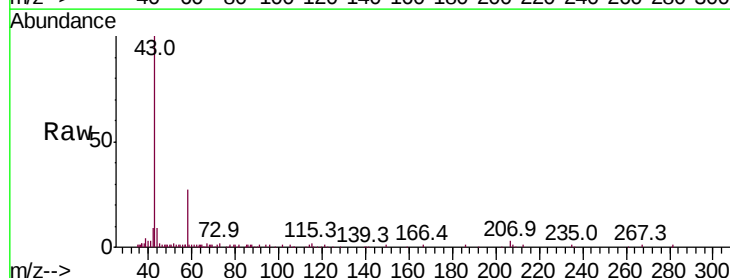
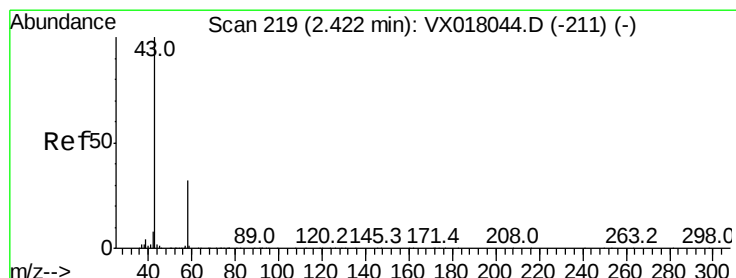
Acq: 08 Sep 2020 19:50

Tgt Ion: 43 Resp: 28175

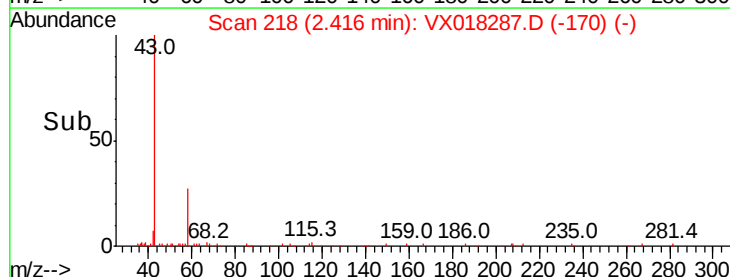
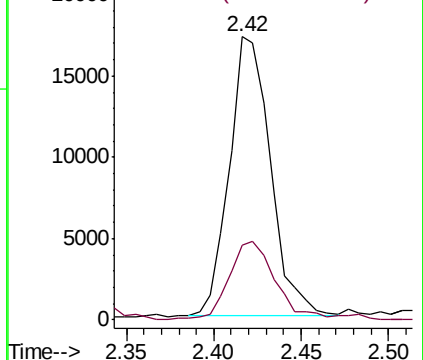
Ion Ratio Lower Upper

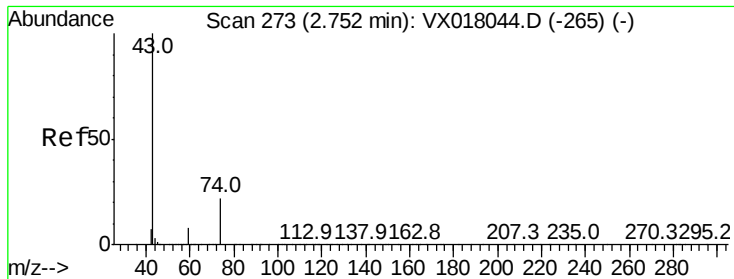
43 100

58 26.2 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0





#18

Methvl Acetate

Concen: 0.826 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

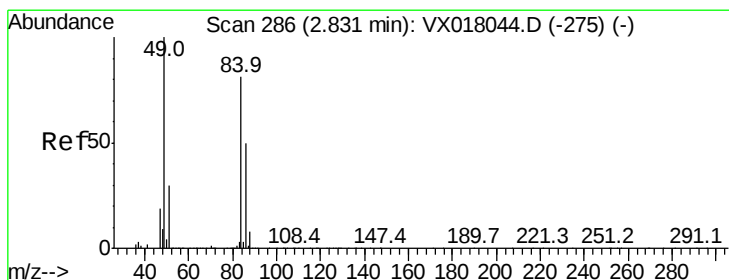
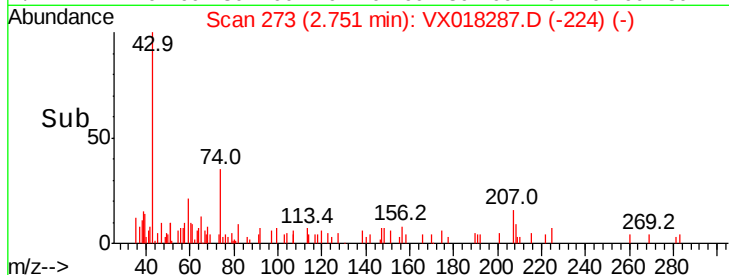
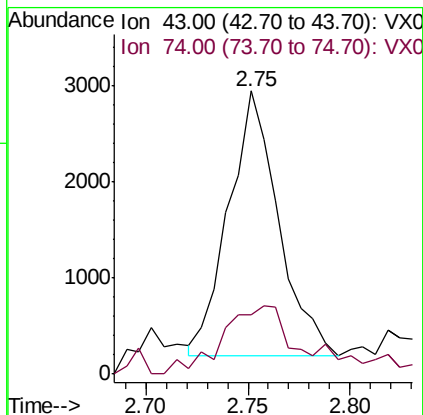
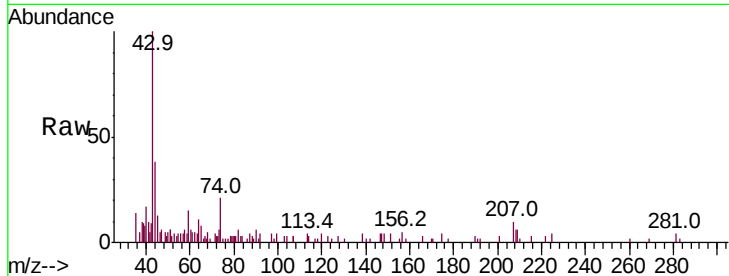
PB131451ZHE#08

Tot Ion: 43 Resp: 4650

Ion Ratio Lower Upper

43 100

74 41.1 18.2 27.4#



#20

Methylene Chloride

Concen: 2.643 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Tgt Ion: 84 Resp: 17872

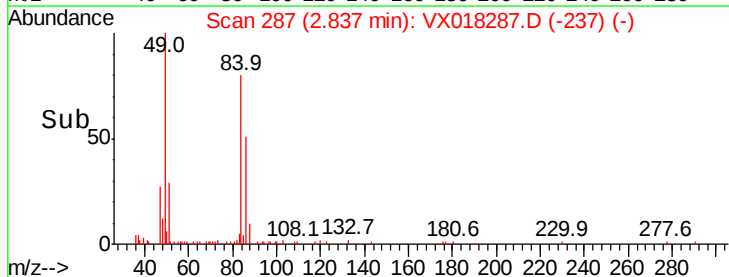
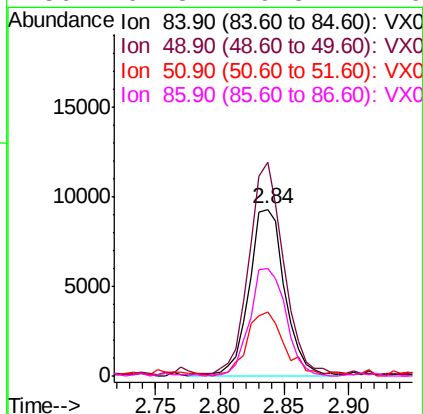
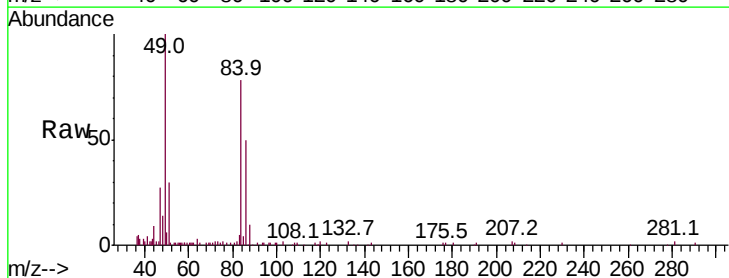
Ion Ratio Lower Upper

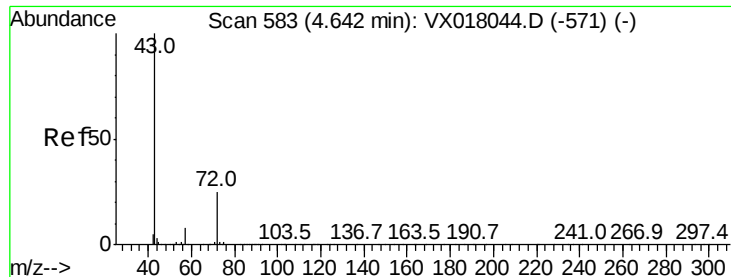
84 100

49 126.0 98.6 148.0

51 37.3 29.6 44.4

86 64.3 49.8 74.6

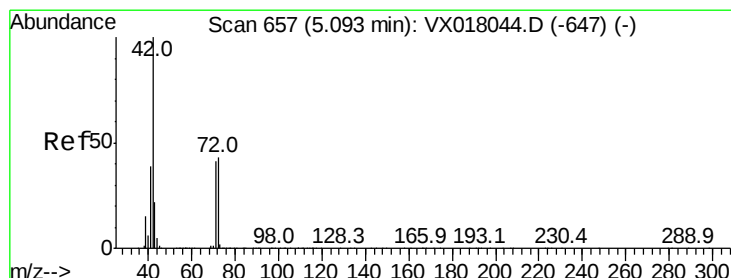
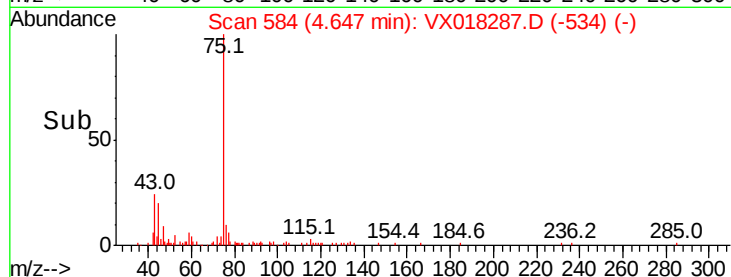
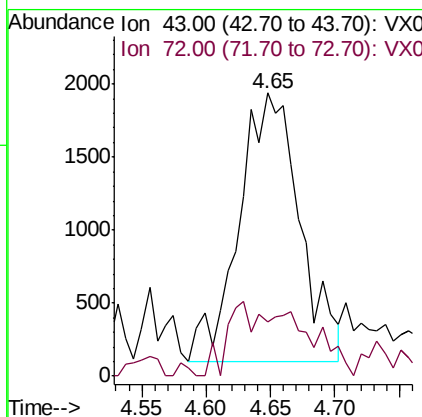
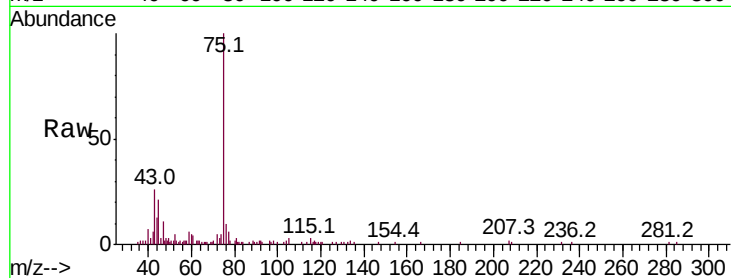




#25
2-Butanone
Concen: 1.589 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018287.D
Acq: 08 Sep 2020 19:50

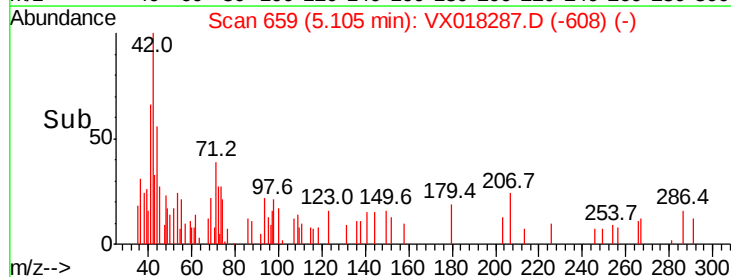
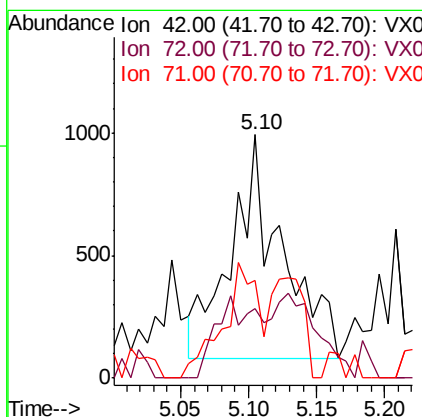
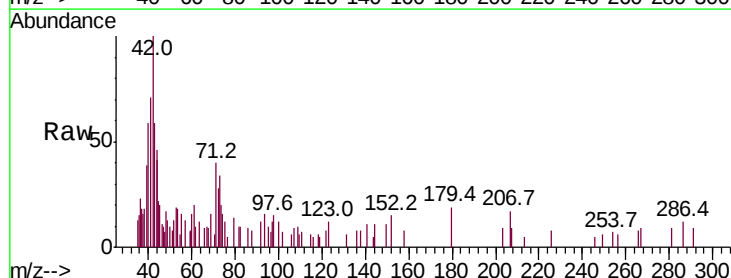
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#08

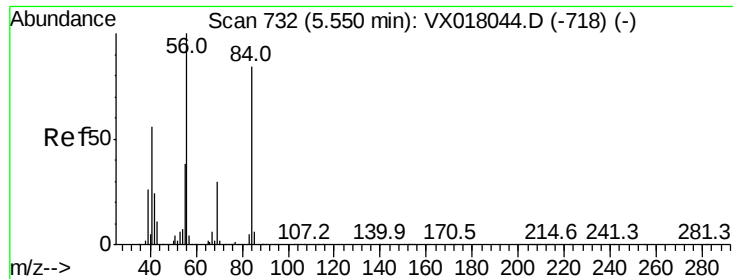
Tot Ion: 43 Resp: 6087
Ion Ratio Lower Upper
43 100
72 17.3 19.8 29.6#



#29
Tetrahydrofuran
Concen: 0.969 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX018287.D
Acq: 08 Sep 2020 19:50

Tgt Ion: 42 Resp: 2363
Ion Ratio Lower Upper
42 100
72 20.9 34.2 51.4#
71 35.4 32.1 48.1

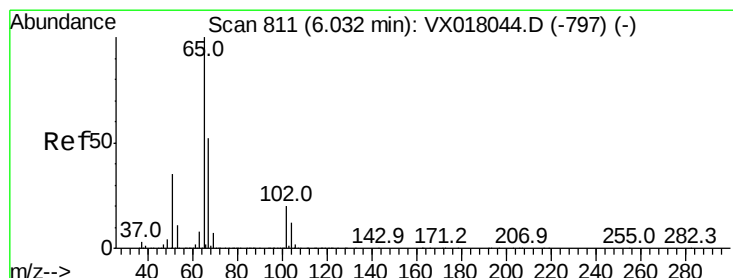
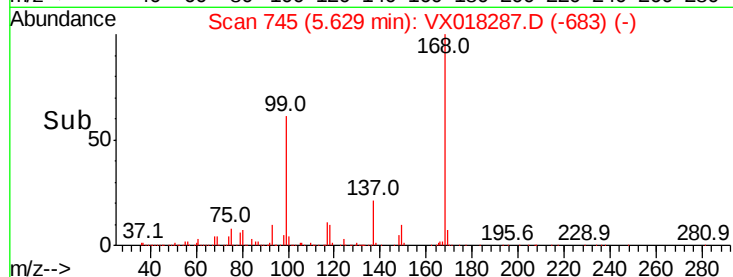
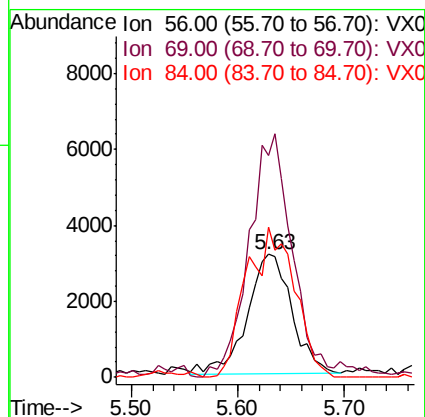
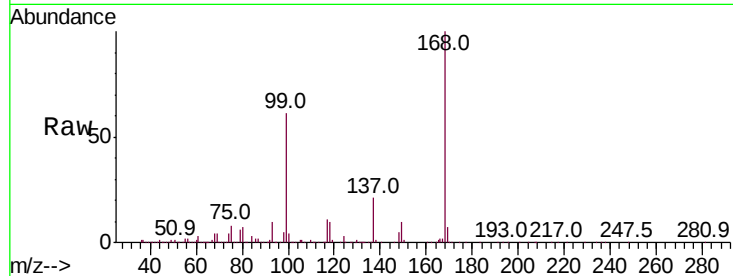




#31
Cyclohexane
Concen: 1.290 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018287.D
Acq: 08 Sep 2020 19:50

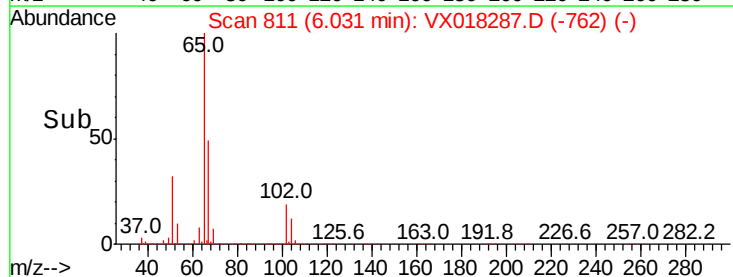
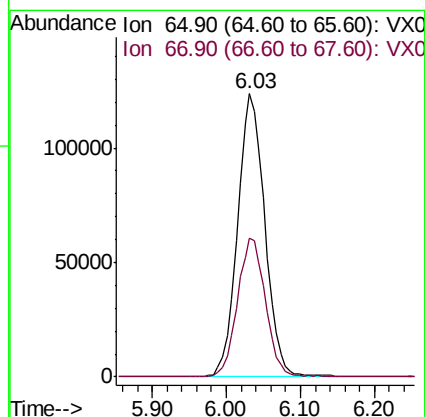
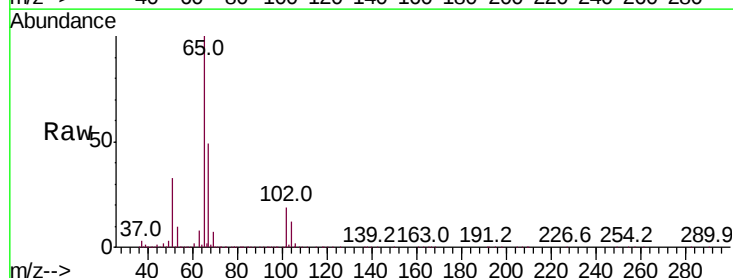
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#08

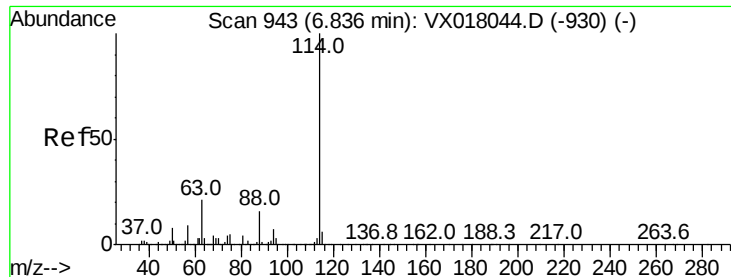
Tot Ion: 56 Resp: 9240
Ion Ratio Lower Upper
56 100
69 185.2 23.9 35.9#
84 126.4 67.0 100.4#



#33
1,2-Dichloroethane-d4
Concen: 52.839 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018287.D
Acq: 08 Sep 2020 19:50

Tgt Ion: 65 Resp: 316152
Ion Ratio Lower Upper
65 100
67 50.6 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: VX018287.D

Acq: 08 Sep 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#08

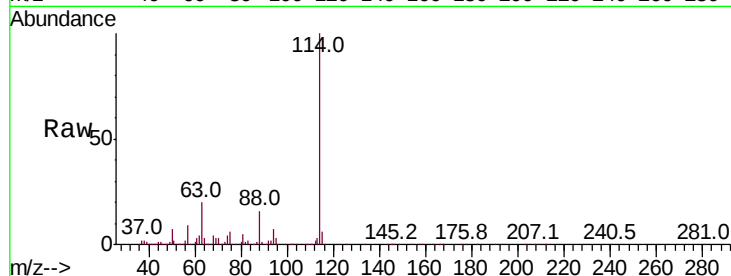
Tot Ion:114 Resp: 704180

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

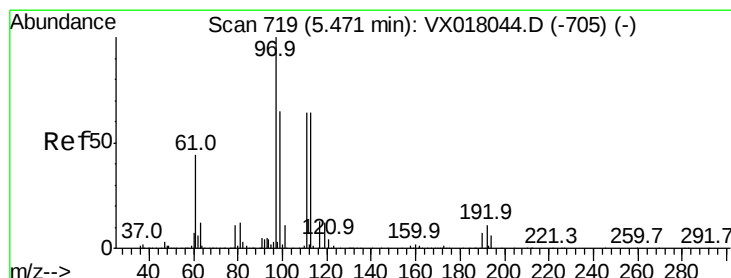
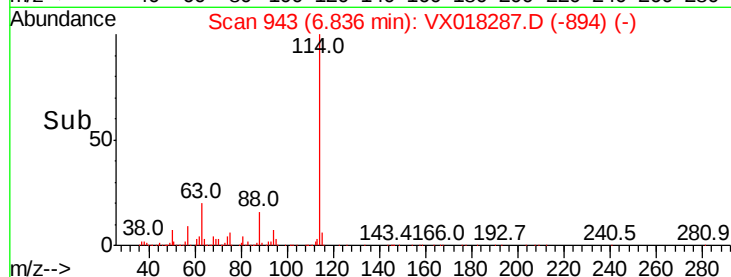
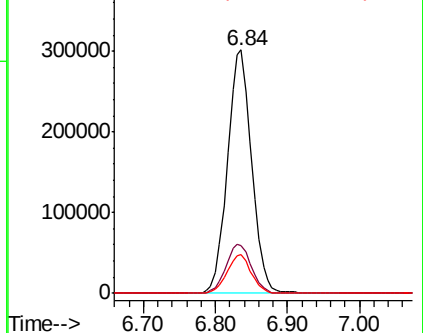
88 15.7 0.0 31.8



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: 51.842 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

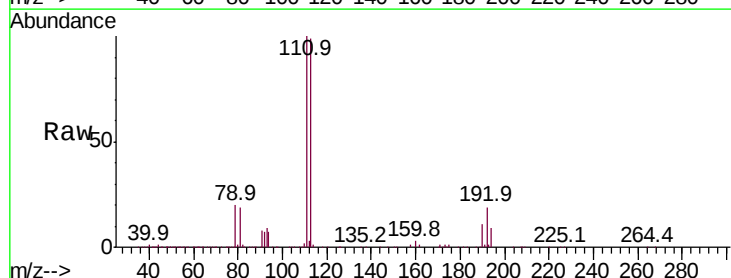
Tgt Ion:113 Resp: 248624

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

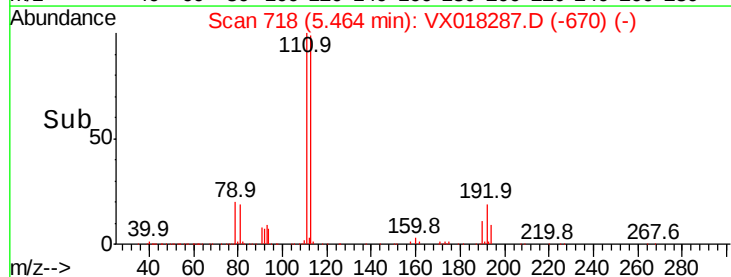
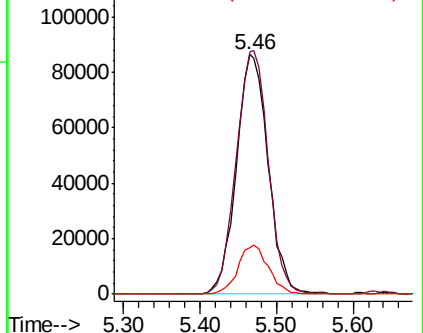
192 19.8 15.8 23.8

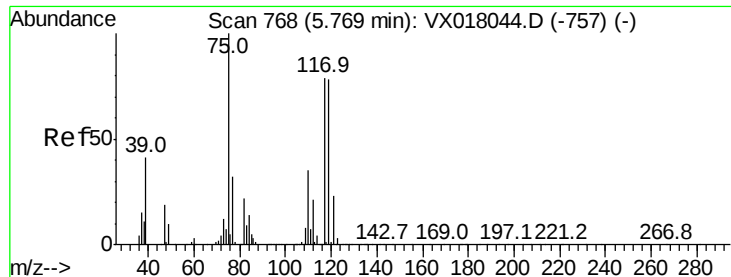


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.111 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#08

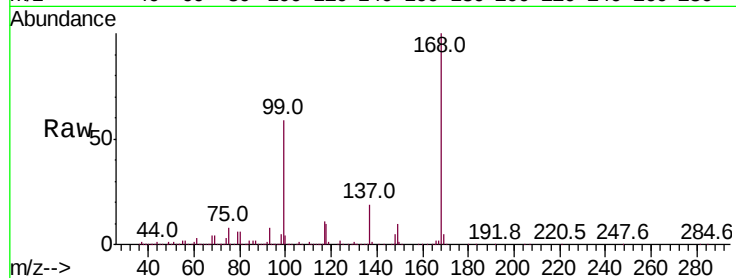
Tot Ion: 75 Resp: 33193

Ion Ratio Lower Upper

75 100

110 11.0 18.0 54.0#

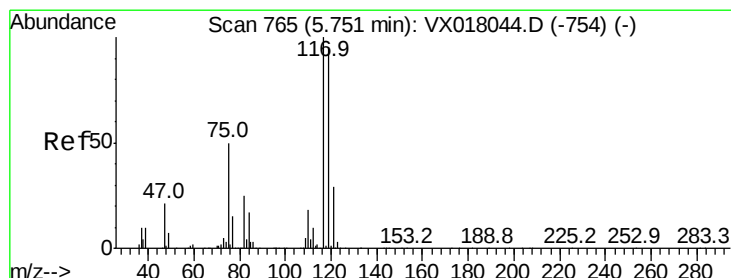
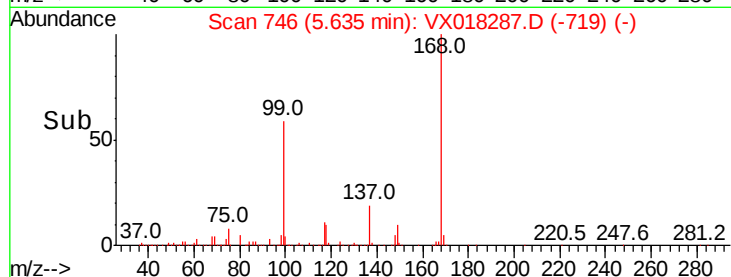
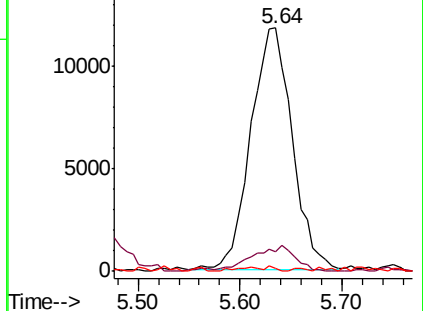
77 0.5 24.4 36.6#



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: 6.555 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

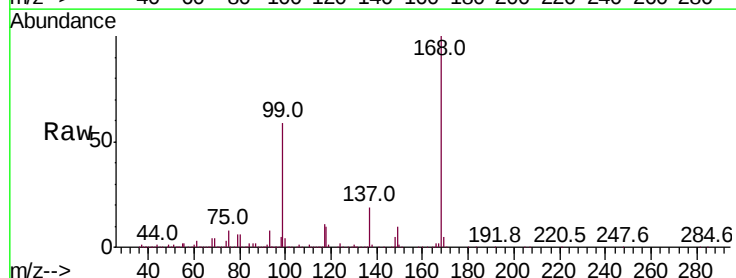
Tgt Ion: 117 Resp: 47980

Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

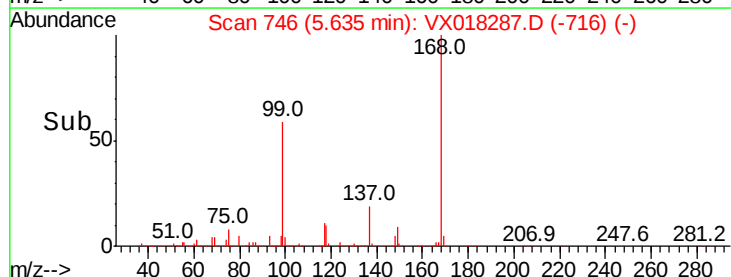
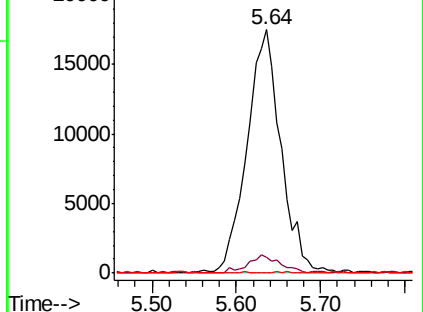
121 0.0 23.4 35.0#

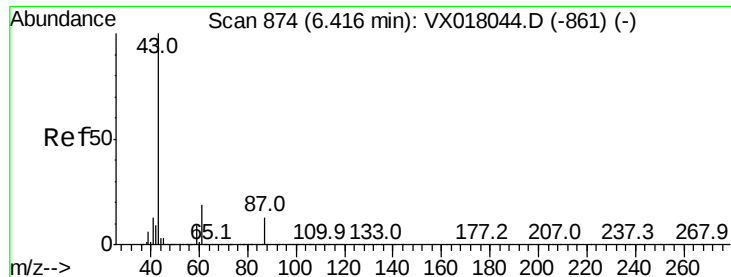


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 9.624 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Instrument :

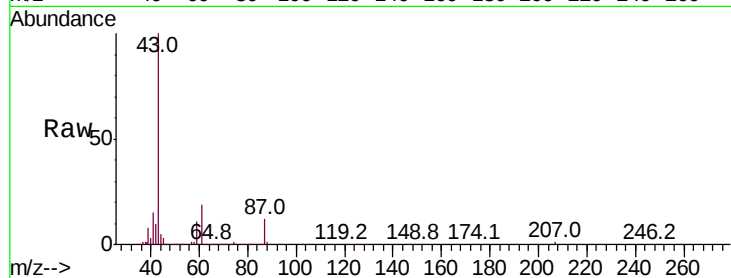
MSVOA_X

ClientSampleId :

PB131451ZHE#08

Tot Ion: 43 Resp: 117259

Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.7	23.5
87	12.6	10.3	15.5

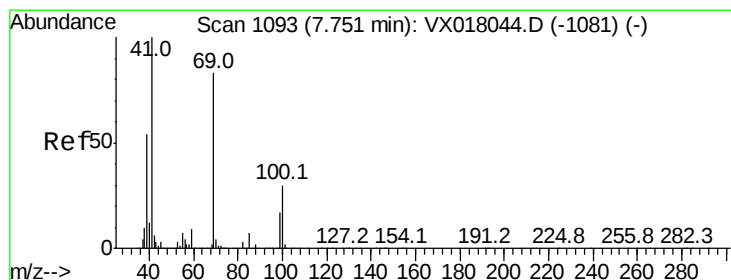
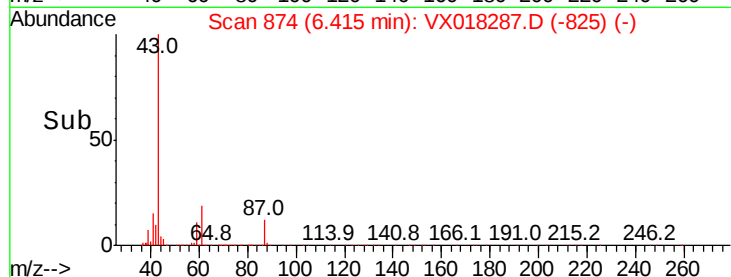
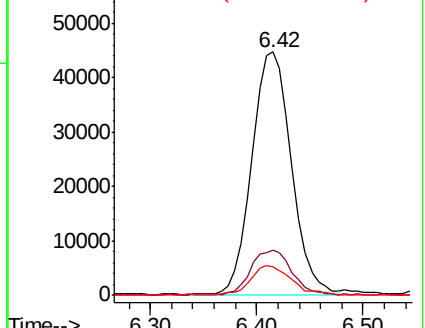


Abundance

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: 32.329 ug/l

RT: 7.85 min Scan# 1109

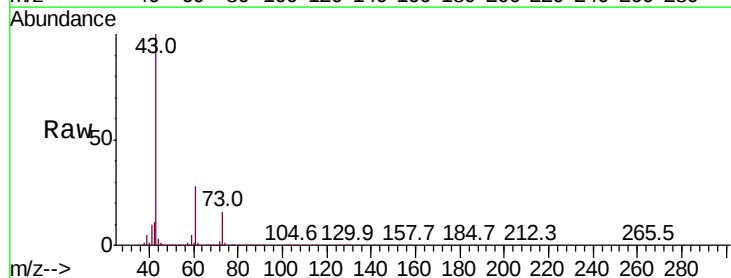
Delta R.T. 0.10 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Tgt Ion: 41 Resp: 196087

Ion	Ratio	Lower	Upper
41	100		
69	0.4	65.5	98.3#
39	53.8	44.5	66.7

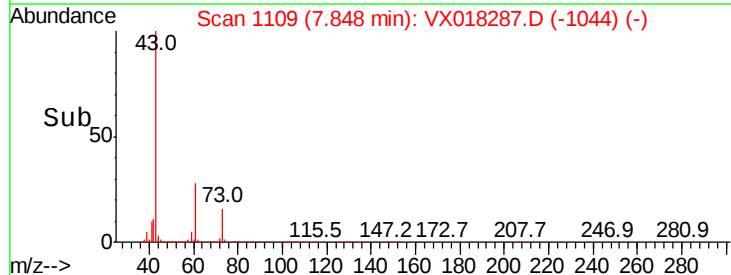
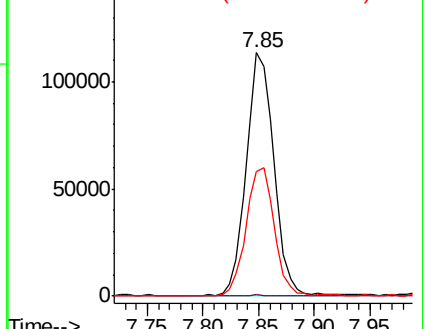


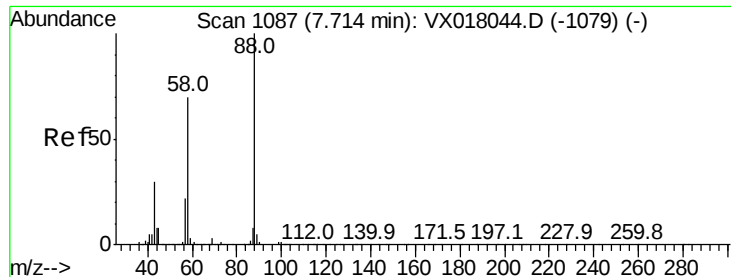
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.637 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#08

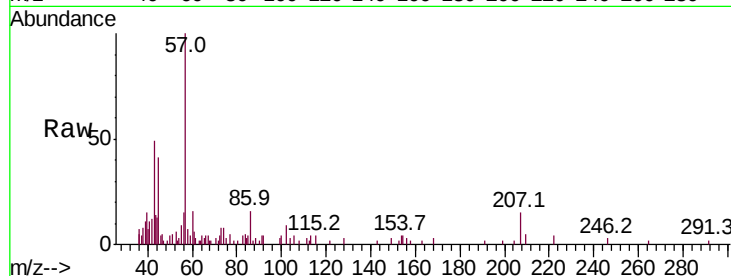
Tot Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

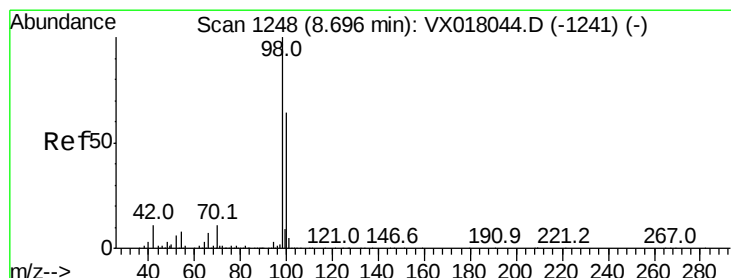
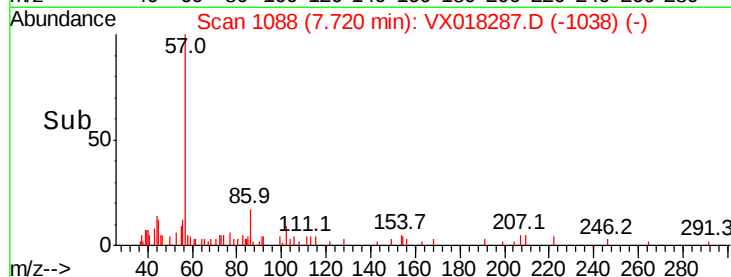
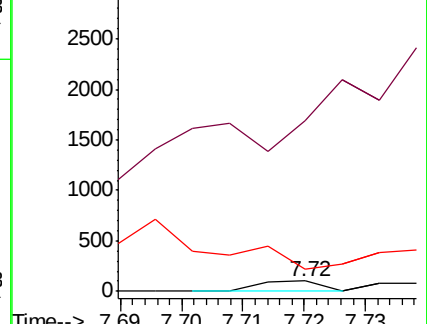
58 0.0 56.4 84.6#



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: 49.865 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018287.D

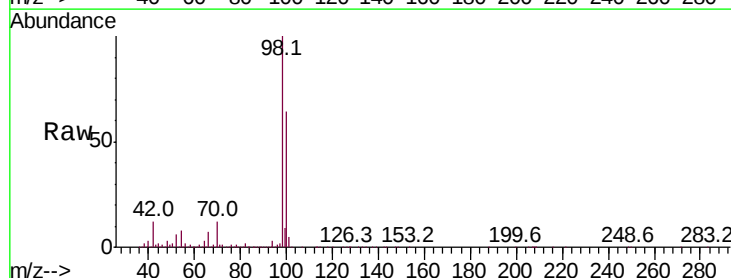
Acq: 08 Sep 2020 19:50

Tgt Ion: 98 Resp: 890700

Ion Ratio Lower Upper

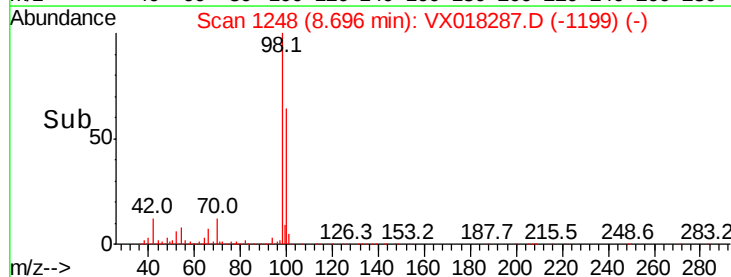
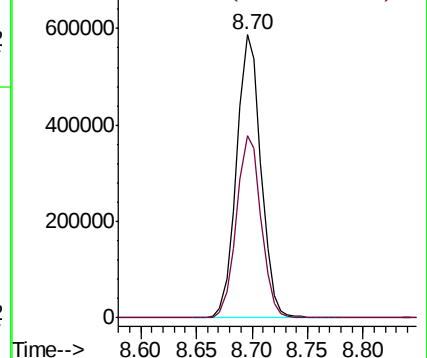
98 100

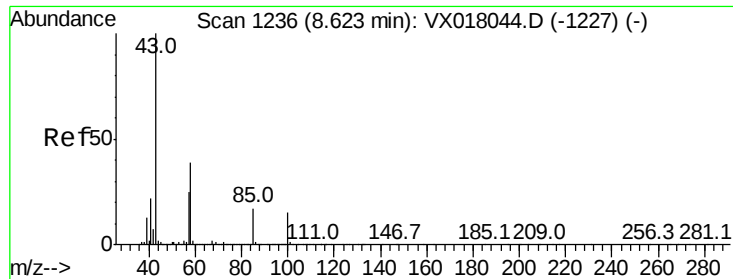
100 65.0 52.2 78.4



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: 15.101 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

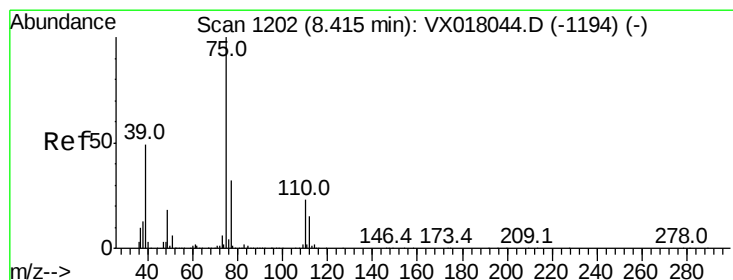
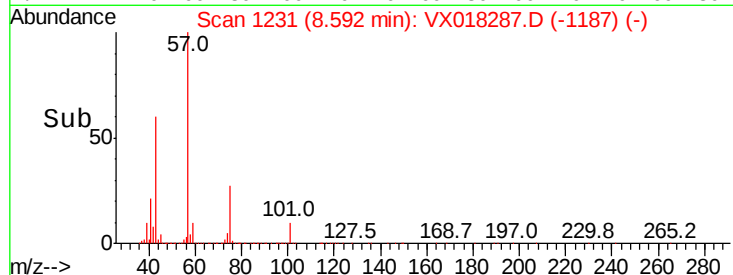
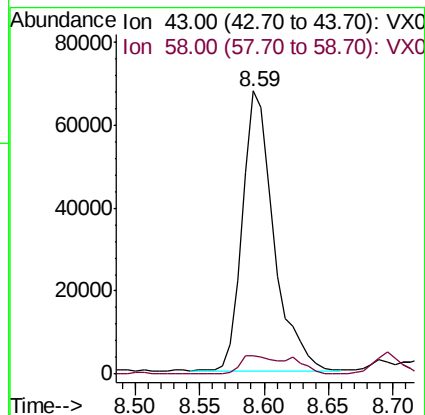
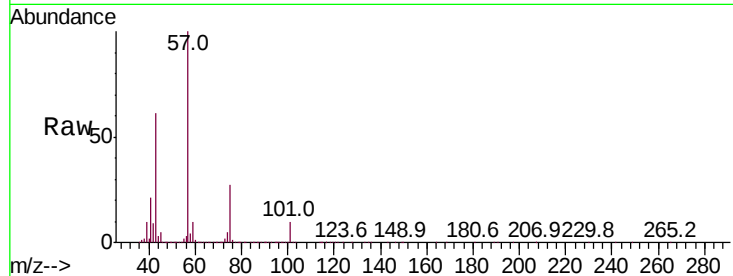
PB131451ZHE#08

Tot Ion: 43 Resp: 113657

Ion Ratio Lower Upper

43 100

58 6.8 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 5.728 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

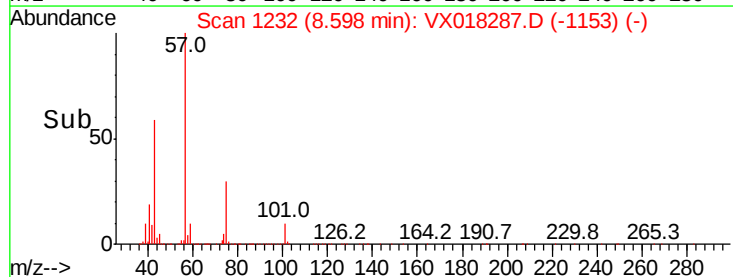
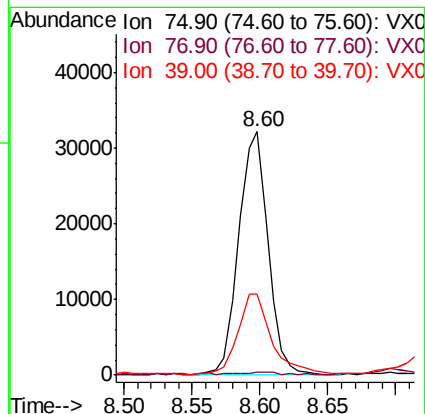
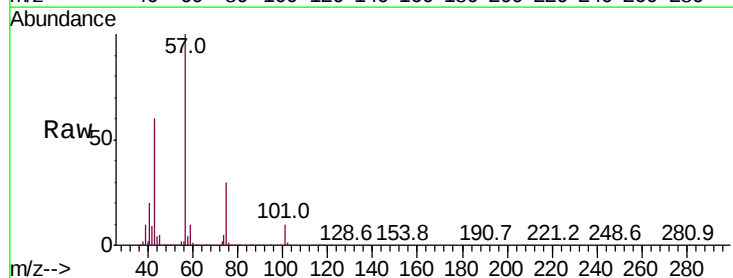
Tgt Ion: 75 Resp: 48570

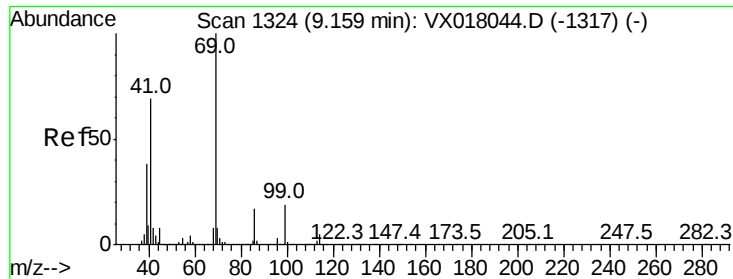
Ion Ratio Lower Upper

75 100

77 1.1 25.8 38.8#

39 33.4 38.8 58.2#

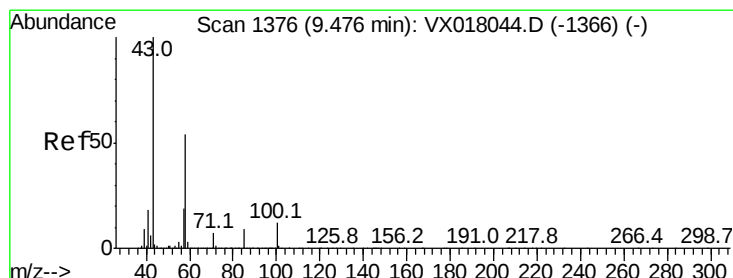
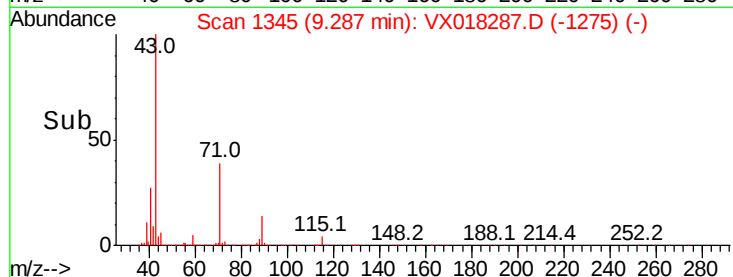
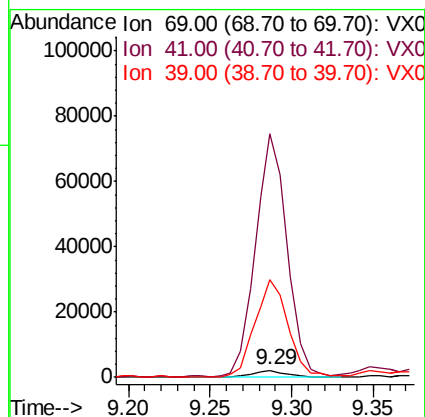
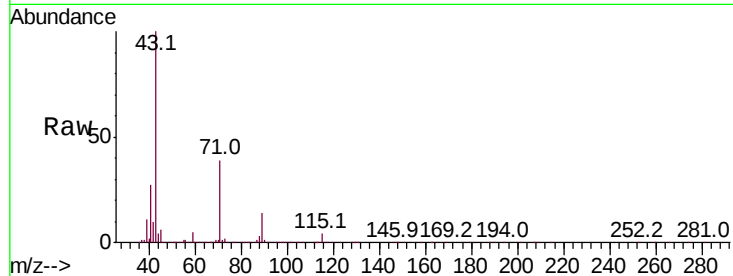




#56
Ethyl methacrylate
Concen: 0.438 ug/l
RT: 9.29 min Scan# 1345
Delta R.T. 0.13 min
Lab File: VX018287.D
Acq: 08 Sep 2020 19:50

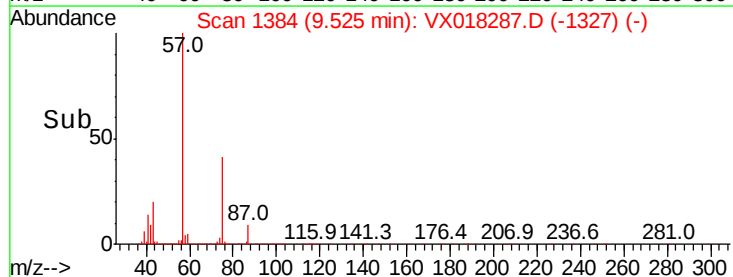
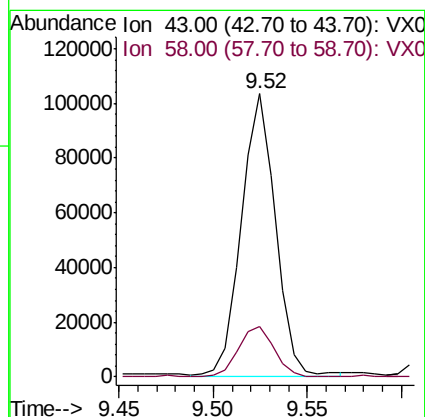
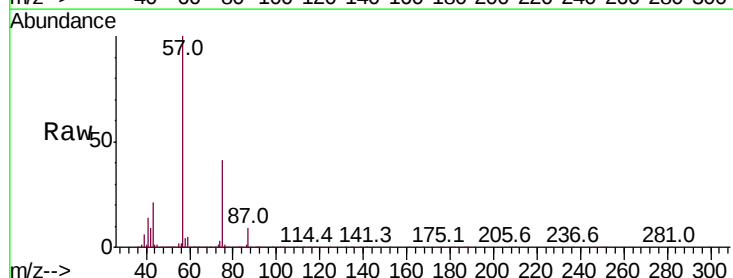
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#08

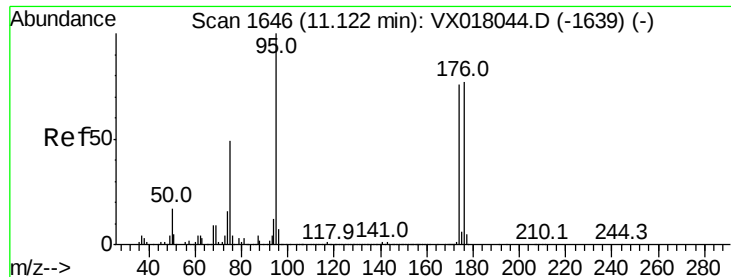
Tot Ion: 69 Resp: 3359
Ion Ratio Lower Upper
69 100
41 2973.3 54.6 81.8#
39 1243.9 29.1 43.7#



#59
2-Hexanone
Concen: 22.606 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX018287.D
Acq: 08 Sep 2020 19:50

Tgt Ion: 43 Resp: 129370
Ion Ratio Lower Upper
43 100
58 18.4 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 47.633 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#08

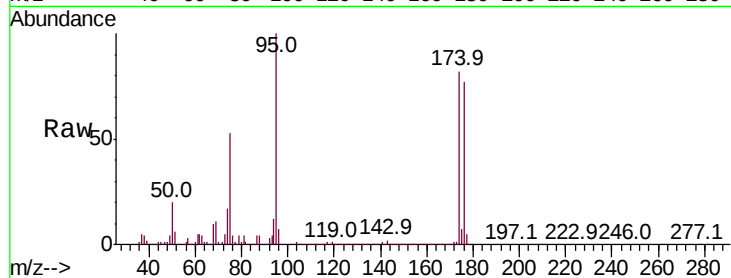
Tot Ion: 95 Resp: 334750

Ion Ratio Lower Upper

95 100

174 80.6 0.0 160.2

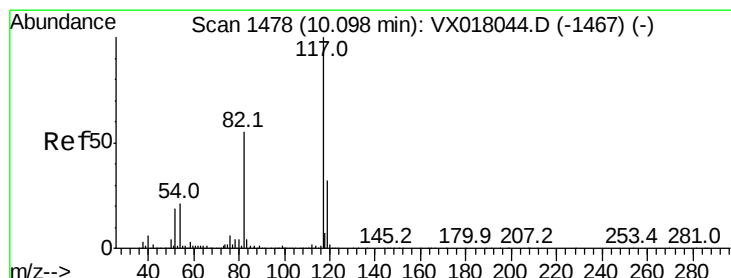
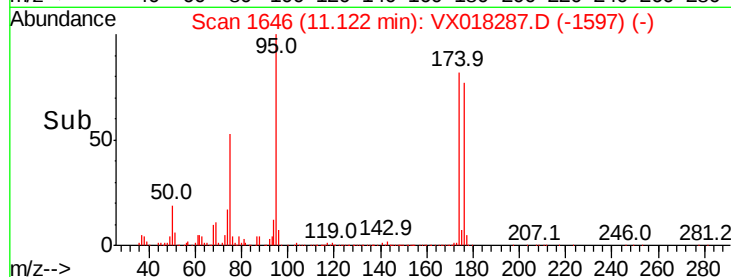
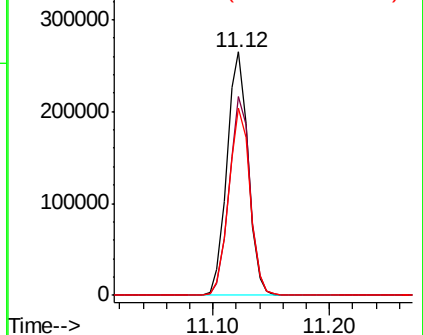
176 77.6 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

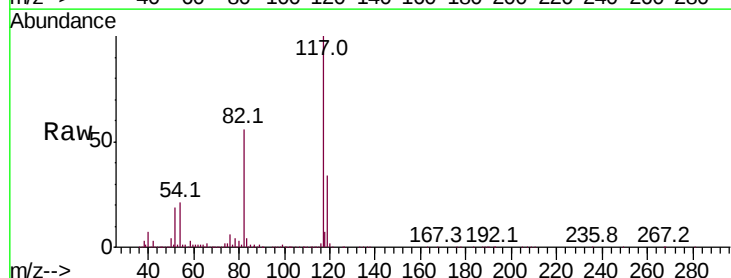
Tgt Ion: 117 Resp: 709734

Ion Ratio Lower Upper

117 100

82 55.6 44.2 66.2

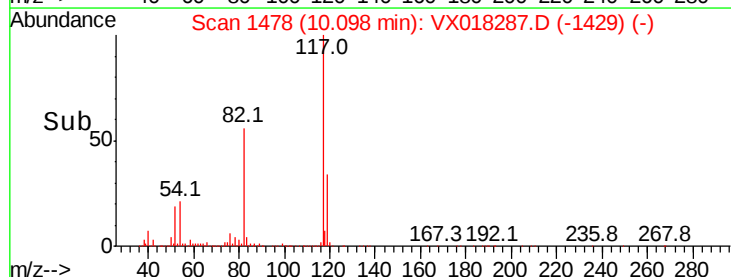
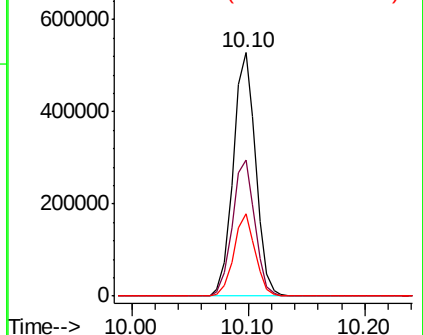
119 33.6 25.7 38.5

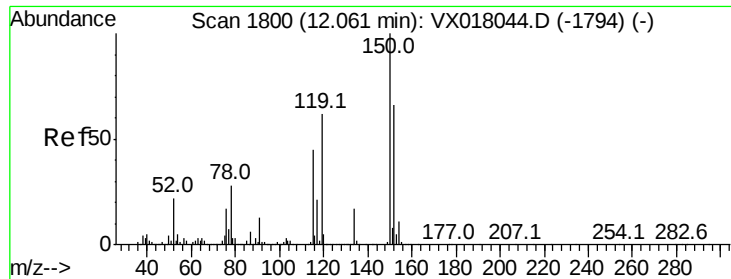


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#08

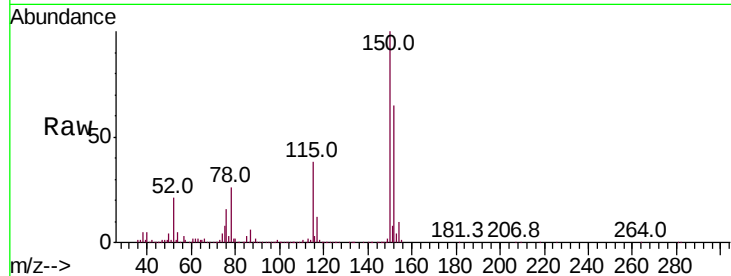
Tot Ion:152 Resp: 344306

Ion Ratio Lower Upper

152 100

115 58.7 41.5 124.5

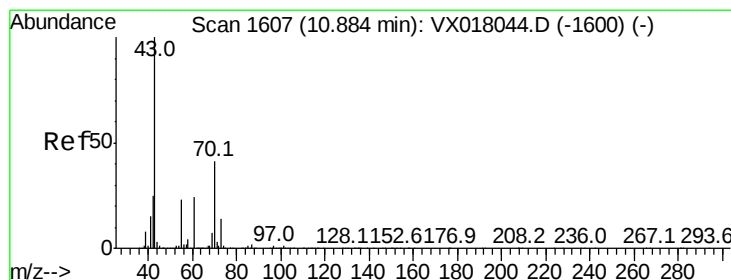
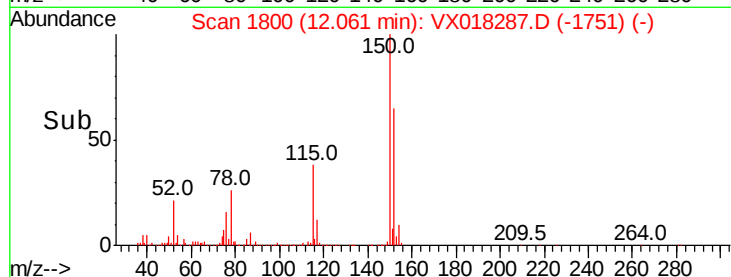
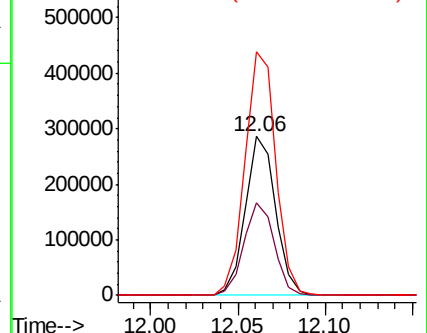
150 156.0 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.538 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Tgt Ion: 43 Resp: 5799

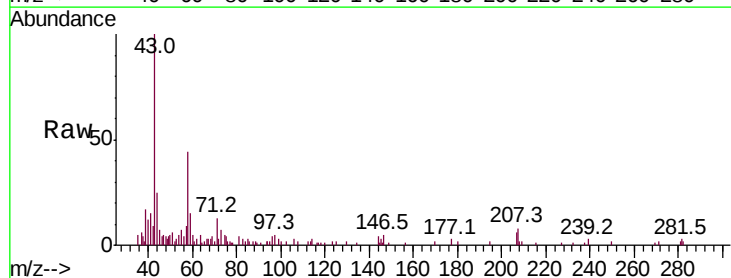
Ion Ratio Lower Upper

43 100

70 5.0 32.3 48.5#

55 7.2 18.2 27.2#

61 0.0 18.9 28.3#

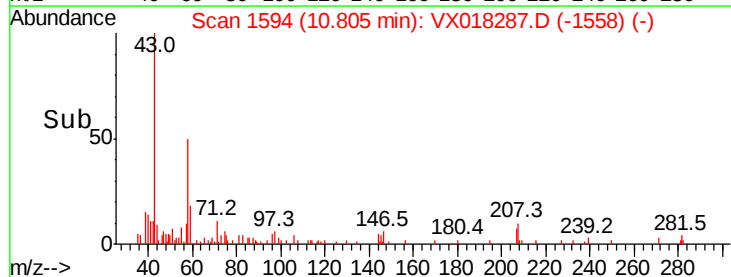
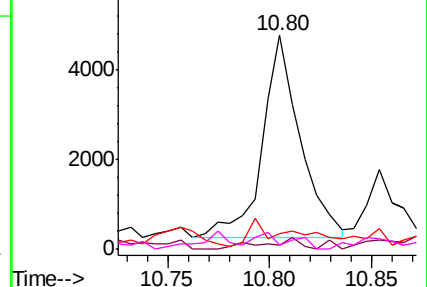


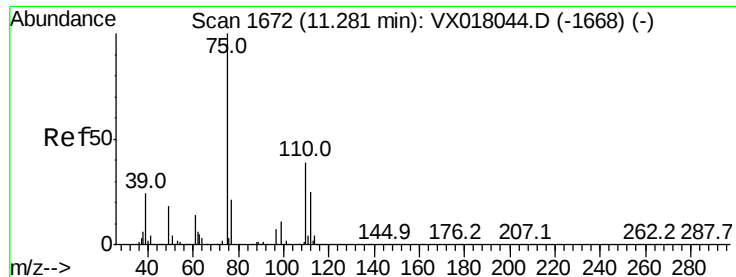
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 22.941 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

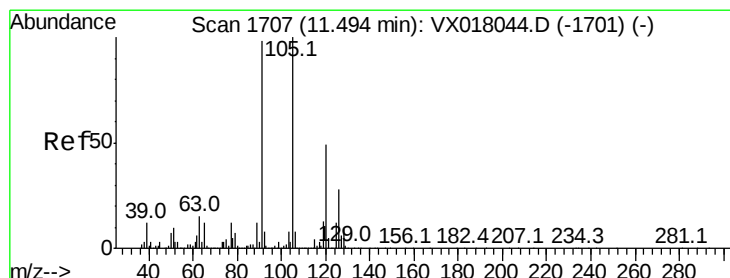
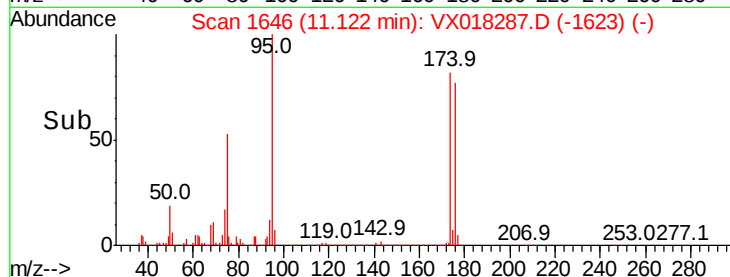
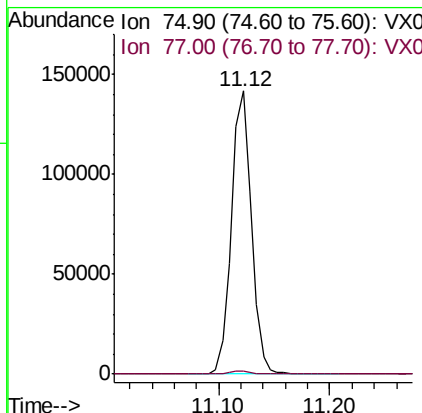
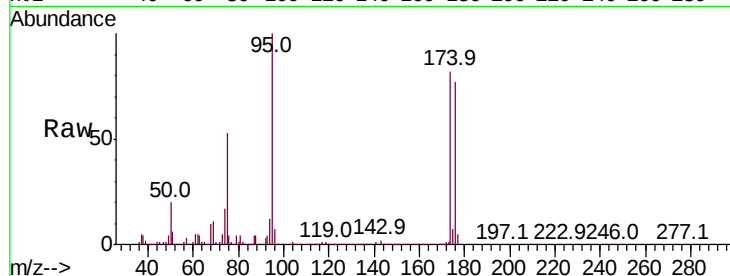
PB131451ZHE#08

Tot Ion: 75 Resp: 175711

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.622 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018287.D

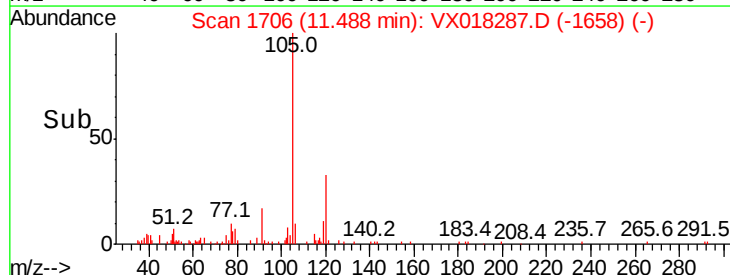
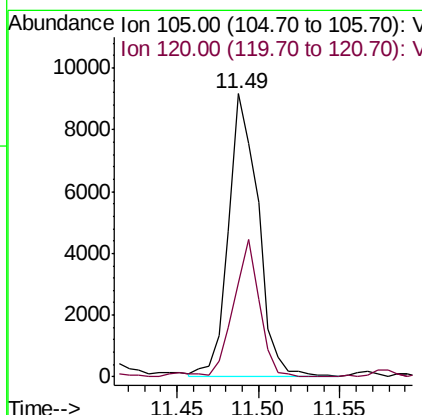
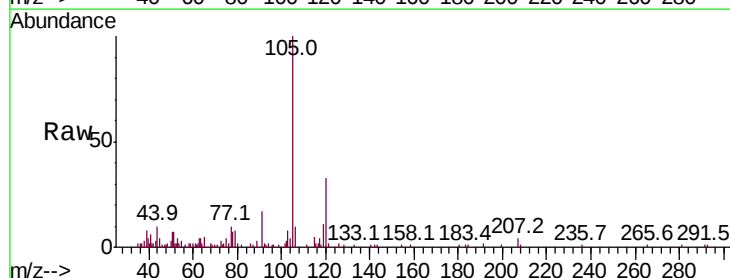
Acq: 08 Sep 2020 19:50

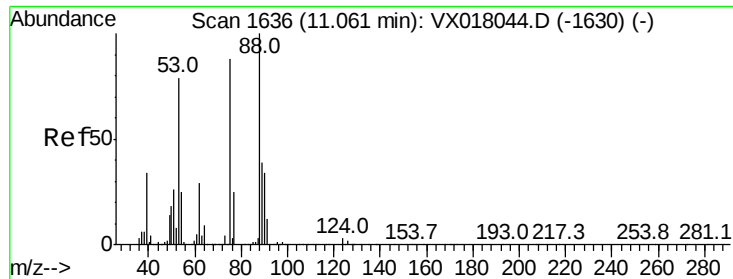
Tgt Ion: 105 Resp: 11617

Ion Ratio Lower Upper

105 100

120 42.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 61.960 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018287.D

Acq: 08 Sep 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#08

Tot Ion: 75 Resp: 175711

Ion Ratio Lower Upper

75 100

53 0.6 74.7 112.1#

89 0.0 36.6 54.8#

