

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090120\
 Data File : VX018187.D
 Acq On : 01 Sep 2020 13:22
 Operator : JC/SP
 Sample : PB131314ZHE#03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#03

Quant Time: Sep 02 02:49:01 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	440227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	733187	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	715338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	330681	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	326362	53.40	ug/l	0.00
Spiked Amount			Recovery	=	106.80%	
35) Dibromofluoromethane	5.47	113	255683	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
50) Toluene-d8	8.70	98	924111	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	11.12	95	344645	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	

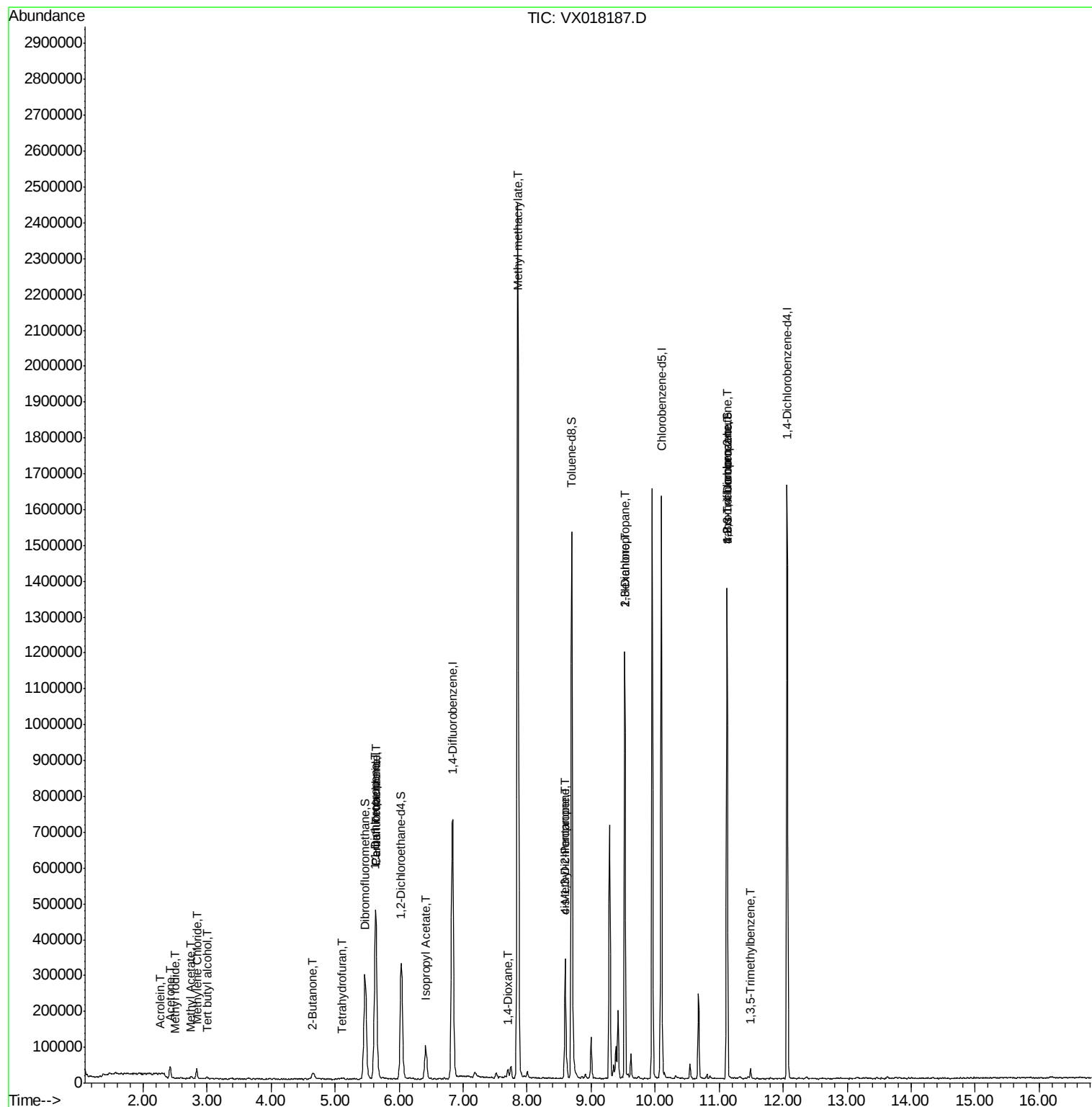
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	305	5.348	ug/l #	73
11) Tert butyl alcohol	3.00	59	3810	3.206	ug/l #	83
13) Acrolein	2.27	56	559	1.135	ug/l #	14
16) Acetone	2.42	43	34374	14.434	ug/l	95
18) Methyl Acetate	2.75	43	8205	1.428	ug/l #	88
20) Methylene Chloride	2.83	84	11656	1.255	ug/l #	88
25) 2-Butanone	4.64	43	10813	2.763	ug/l	95
29) Tetrahydrofuran	5.10	42	3430	1.377	ug/l #	82
36) 1,1-Dichloropropene	5.62	75	35990	5.322	ug/l #	51
38) Carbon Tetrachloride	5.63	117	46283	6.073	ug/l #	17
43) Isopropyl Acetate	6.42	43	128554	10.133	ug/l	99
48) Methyl methacrylate	7.85	41	216069	34.214	ug/l #	44
49) 1,4-Dioxane	7.70	88	84	0.734	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	128847	16.442	ug/l #	49
54) cis-1,3-Dichloropropene	8.60	75	52467	5.943	ug/l #	57
57) 1,3-Dichloropropane	9.52	76	9520	1.074	ug/l #	43
59) 2-Hexanone	9.52	43	136965	22.986	ug/l #	54
76) 1,2,3-Trichloropropane	11.12	75	179751	24.436	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	12307	0.687	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	179751	65.996	ug/l #	12

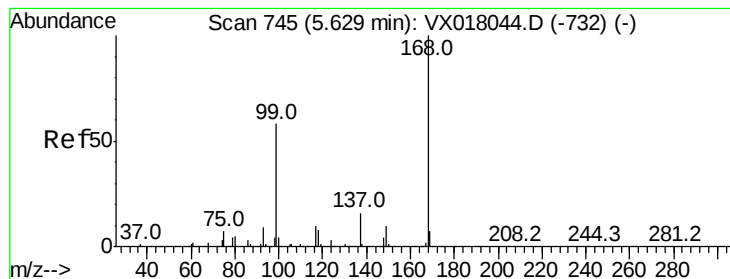
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 02 02:49:01 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# 746

Delta R.T. 0.01 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

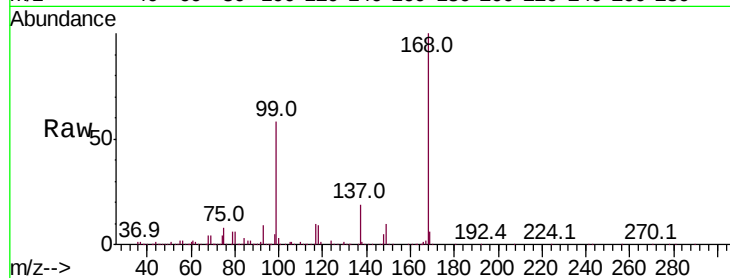
PB131314ZHE#03

Tot Ion:168 Resp: 440227

Ion Ratio Lower Upper

168 100

99 58.1 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

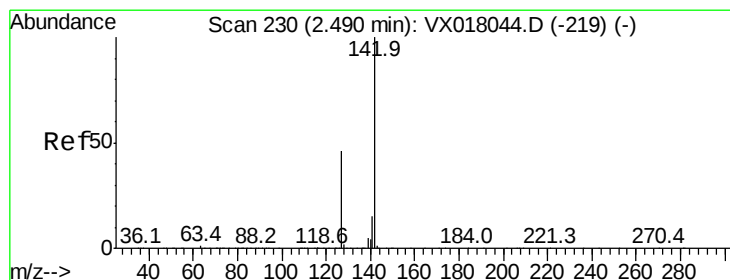
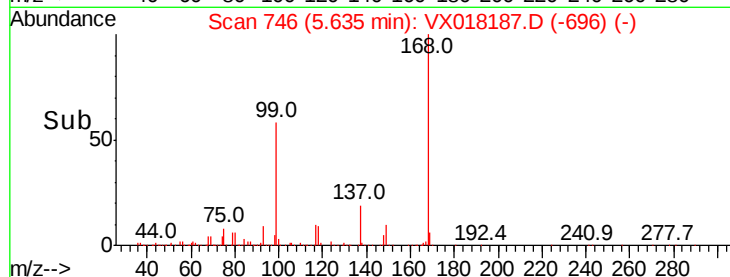
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.348 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

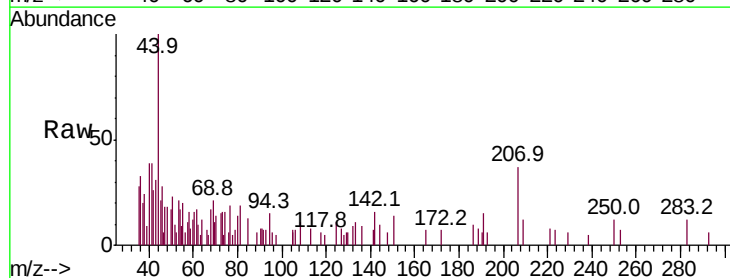
Tgt Ion:142 Resp: 305

Ion Ratio Lower Upper

142 100

127 58.7 37.0 55.6#

141 37.0 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

250

200

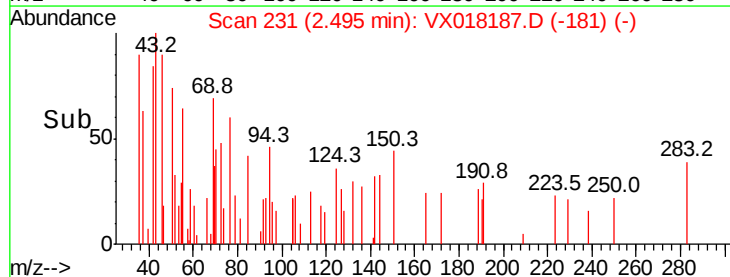
150

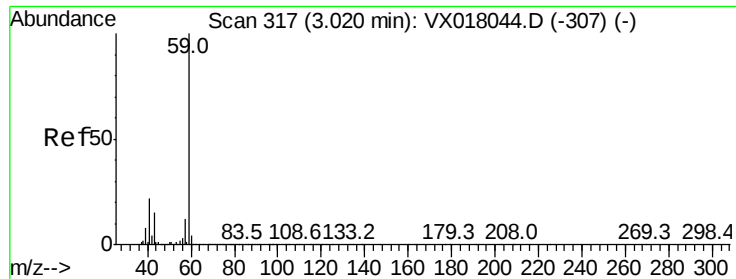
100

50

0

Time-->

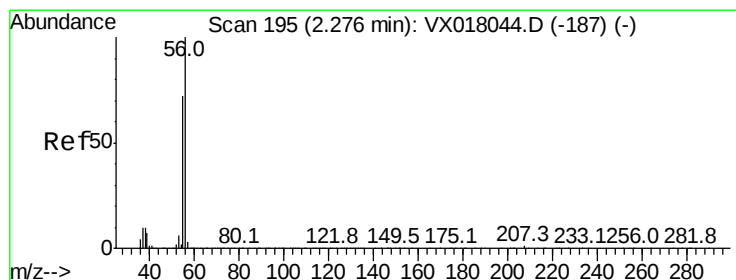
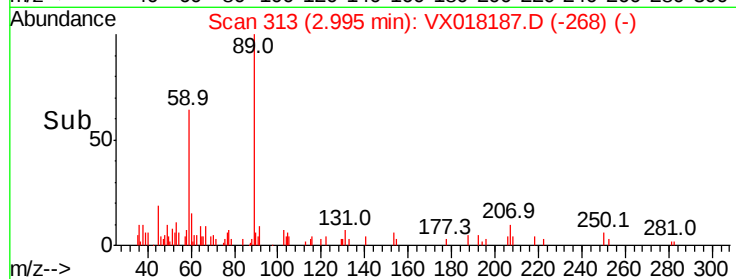
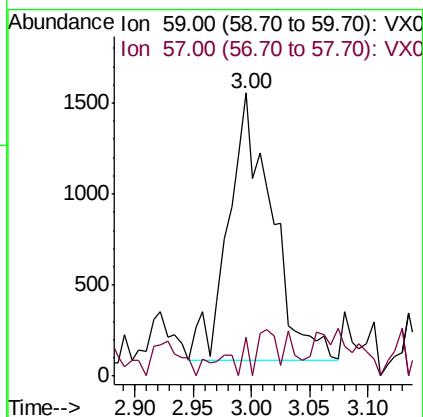
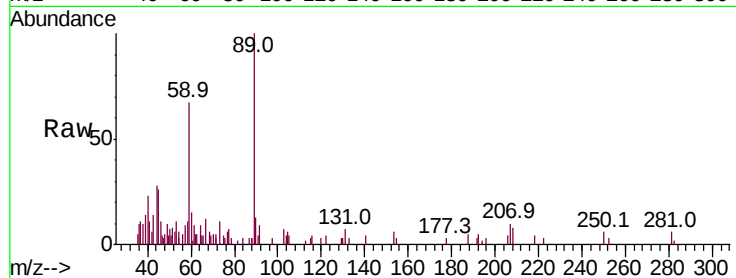




#11
Tert butyl alcohol
Concen: 3.206 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018187.D
Acq: 01 Sep 2020 13:22

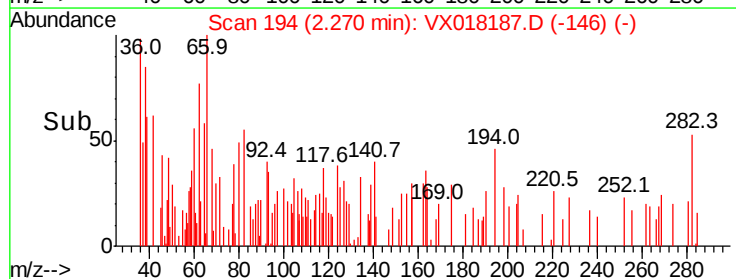
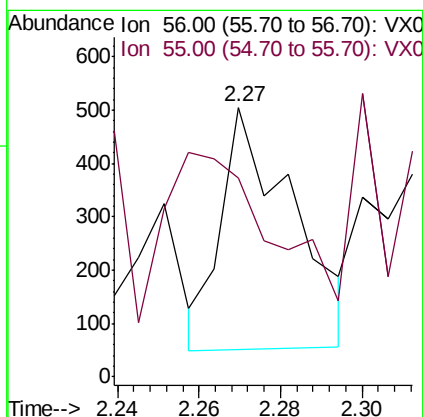
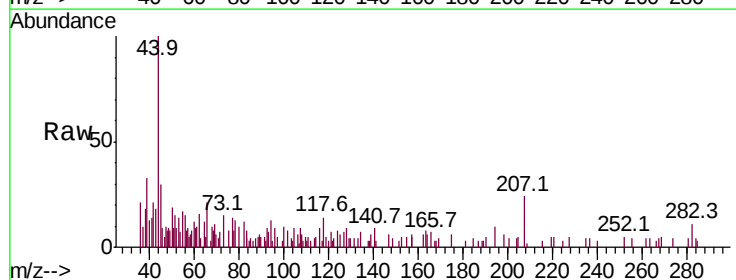
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#03

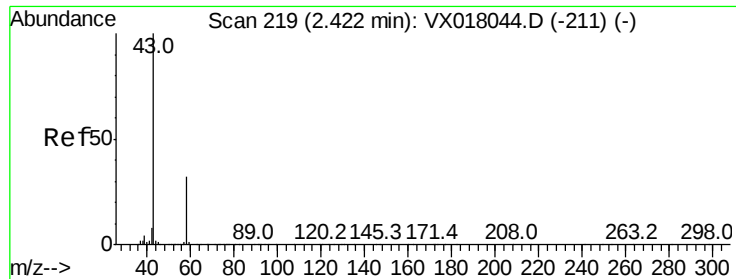
Tot Ion: 59 Resp: 3810
Ion Ratio Lower Upper
59 100
57 4.6 8.9 13.3#



#13
Acrolein
Concen: 1.135 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018187.D
Acq: 01 Sep 2020 13:22

Tgt Ion: 56 Resp: 559
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#





#16

Acetone

Concen: 14.434 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

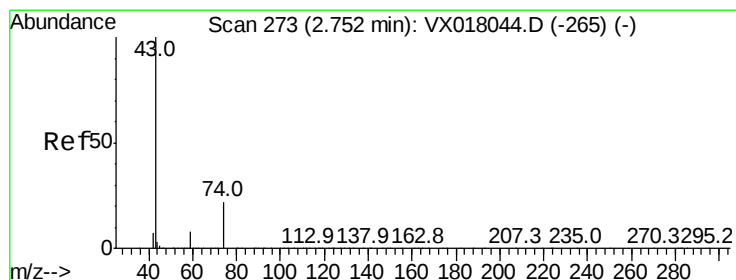
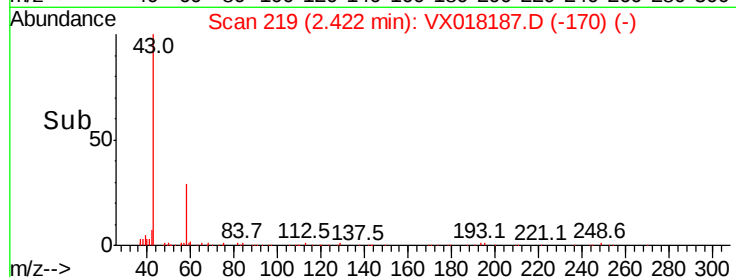
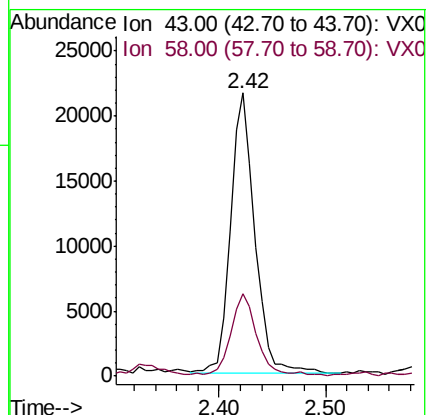
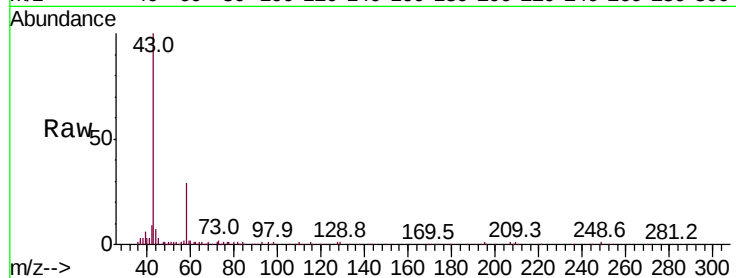
PB131314ZHE#03

Tot Ion: 43 Resp: 34374

Ion Ratio Lower Upper

43 100

58 29.0 25.5 38.3



#18

Methyl Acetate

Concen: 1.428 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018187.D

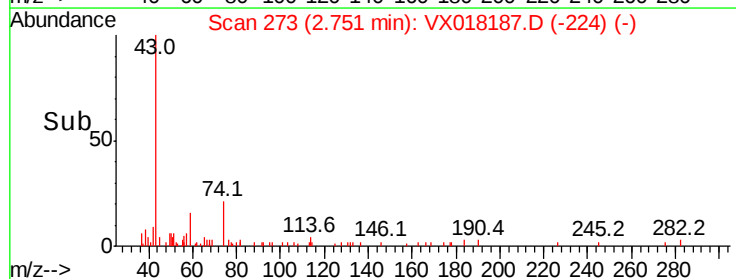
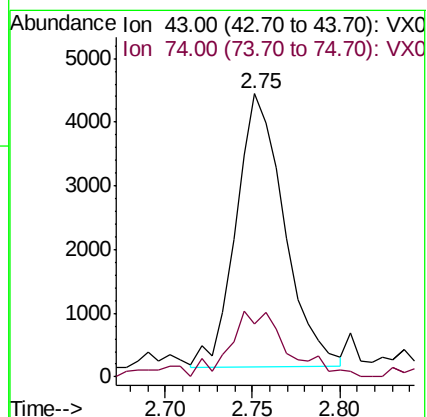
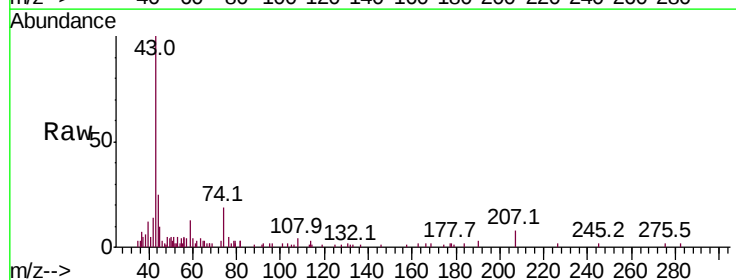
Acq: 01 Sep 2020 13:22

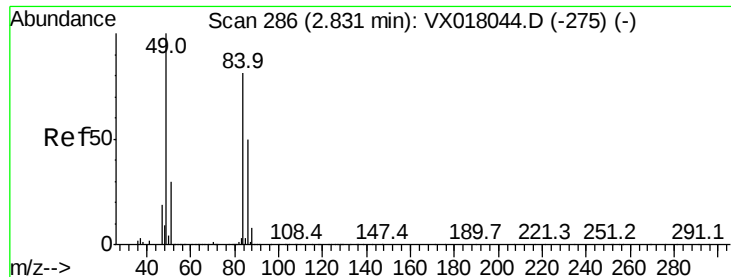
Tgt Ion: 43 Resp: 8205

Ion Ratio Lower Upper

43 100

74 28.6 18.2 27.4#

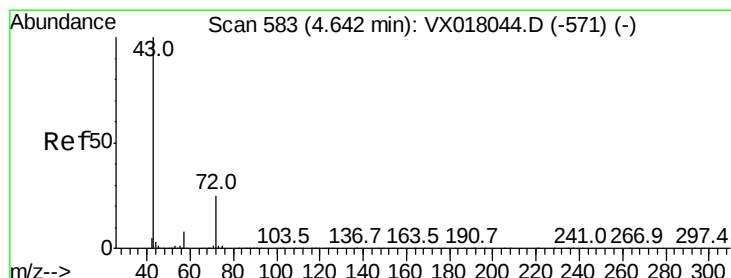
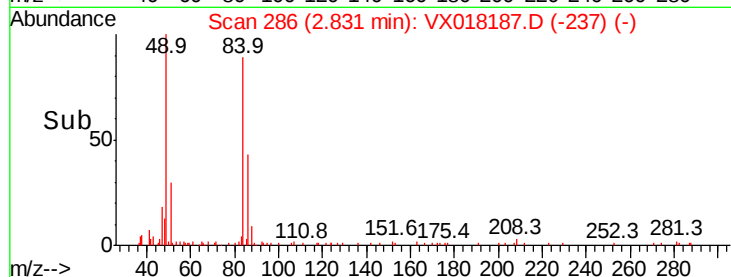
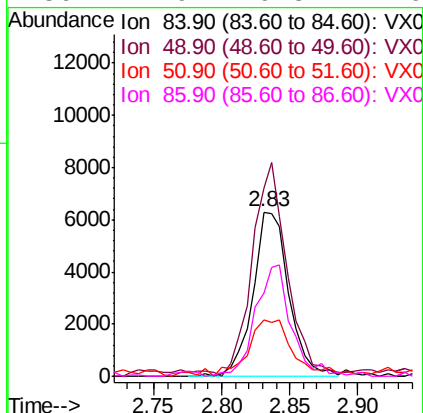
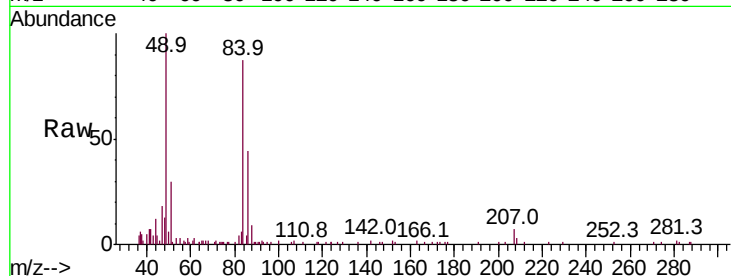




#20
Methvlene Chloride
Concen: 1.255 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018187.D
Acq: 01 Sep 2020 13:22

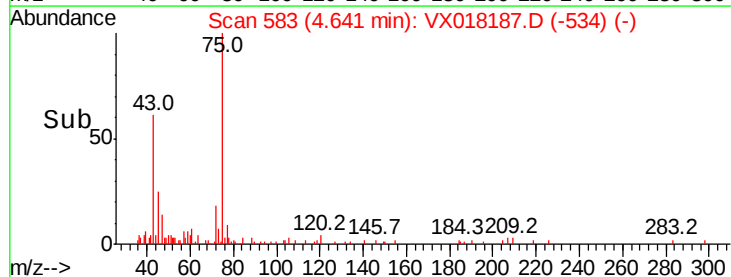
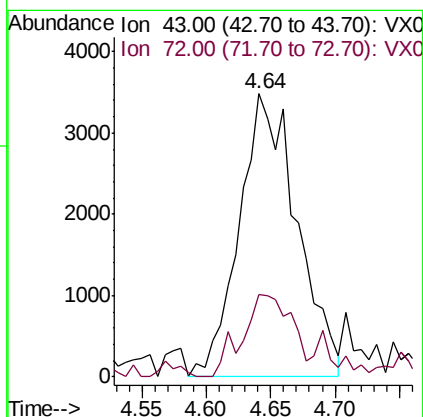
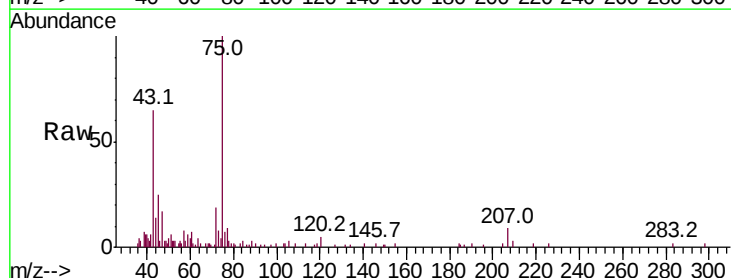
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#03

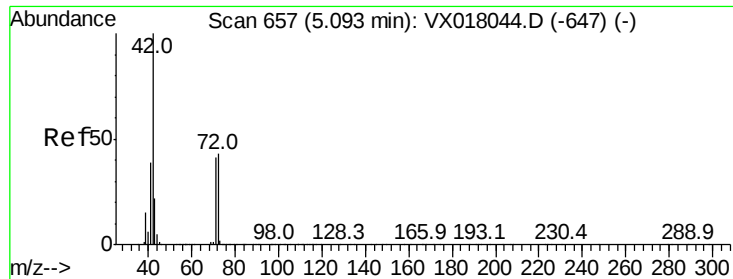
Tot Ion:	84	Resp:	11656
Ion	Ratio	Lower	Upper
84	100		
49	112.3	98.6	148.0
51	33.0	29.6	44.4
86	47.9	49.8	74.6#



#25
2-Butanone
Concen: 2.763 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018187.D
Acq: 01 Sep 2020 13:22

Tgt Ion:	43	Resp:	10813
Ion	Ratio	Lower	Upper
43	100		
72	27.4	19.8	29.6

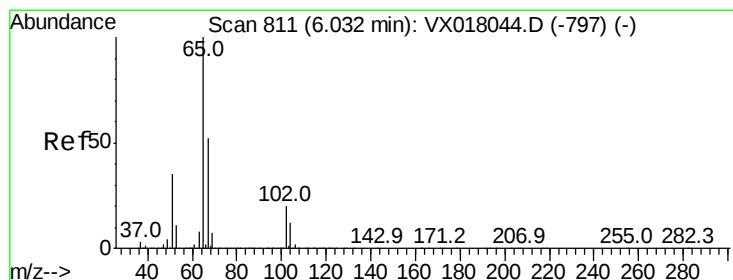
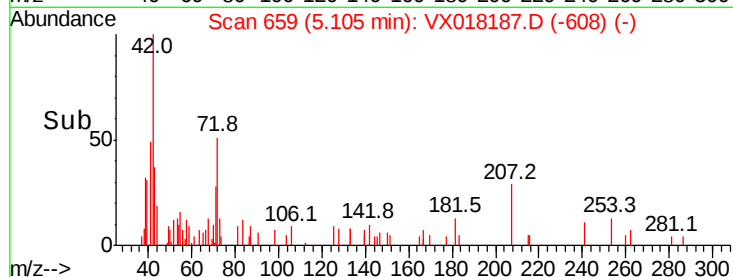
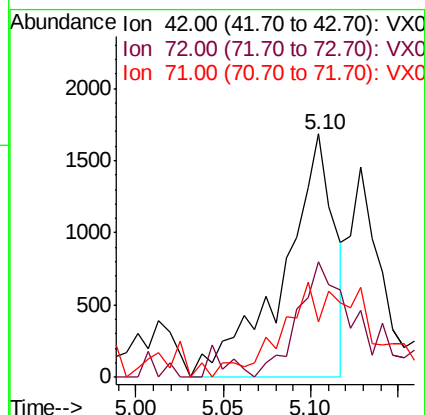
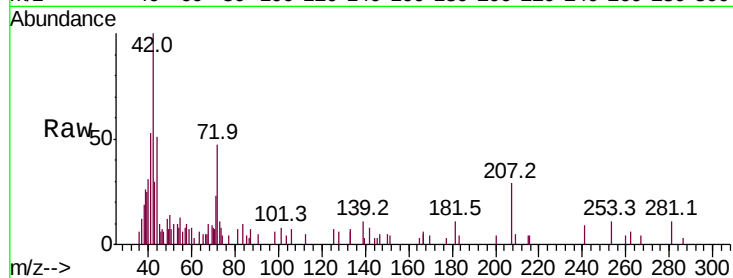




#29
Tetrahydrofuran
Concen: 1.377 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX018187.D
Acq: 01 Sep 2020 13:22

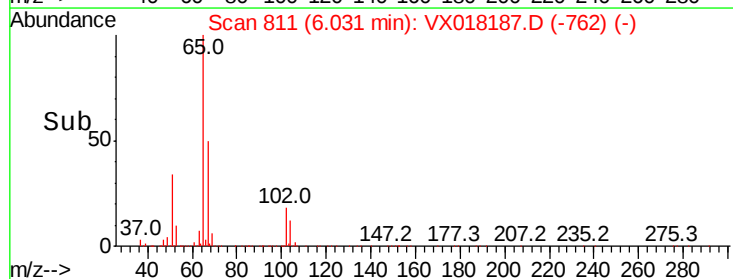
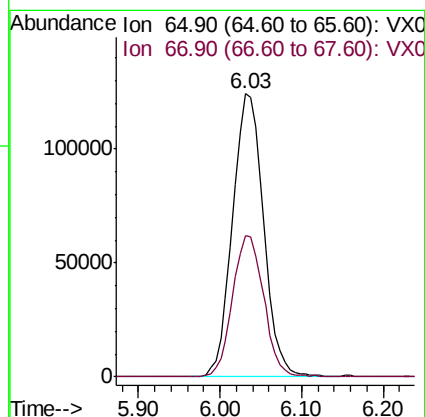
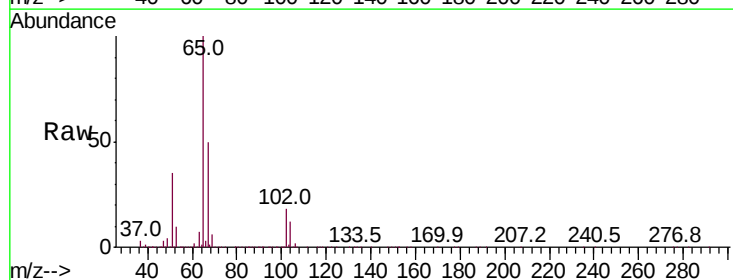
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#03

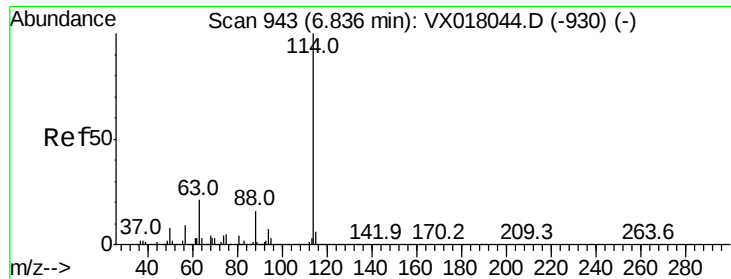
Tot Ion: 42 Resp: 3430
Ion Ratio Lower Upper
42 100
72 54.3 34.2 51.4#
71 29.0 32.1 48.1#



#33
1,2-Dichloroethane-d4
Concen: 53.401 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018187.D
Acq: 01 Sep 2020 13:22

Tgt Ion: 65 Resp: 326362
Ion Ratio Lower Upper
65 100
67 50.3 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: VX018187.D

Acq: 01 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#03

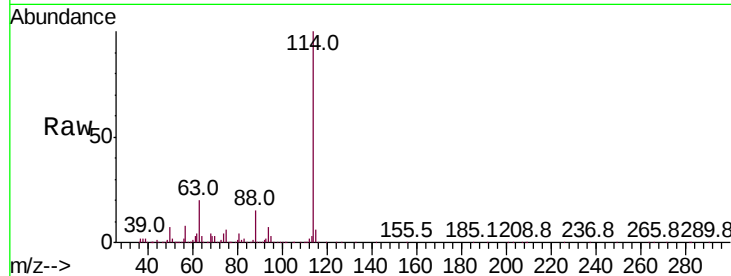
Tot Ion:114 Resp: 733187

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

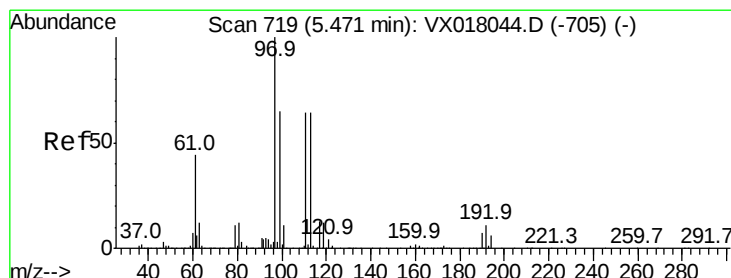
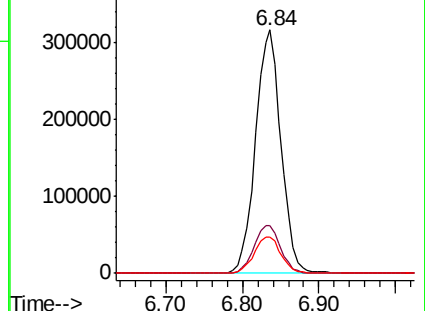
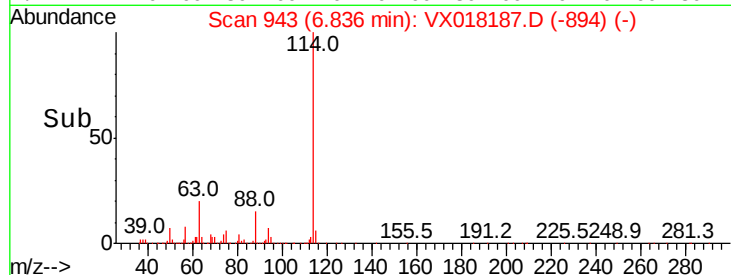
88 14.8 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.205 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

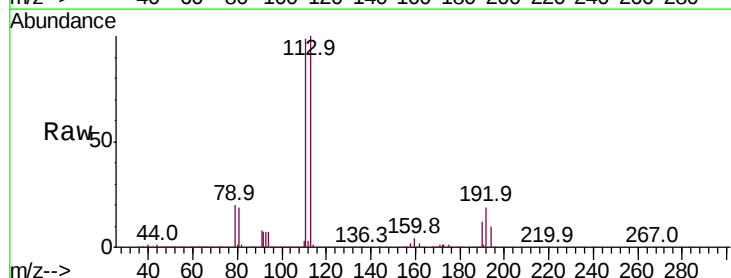
Tgt Ion:113 Resp: 255683

Ion Ratio Lower Upper

113 100

111 99.9 81.6 122.4

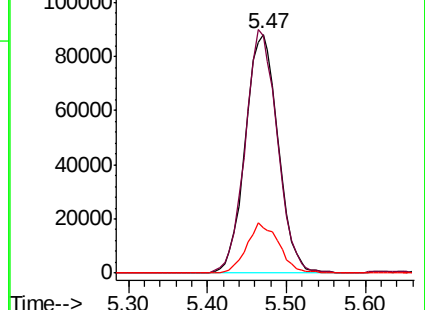
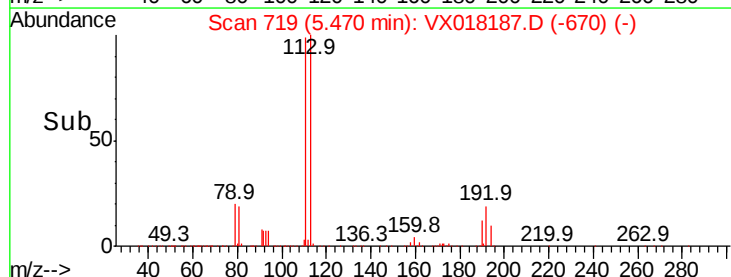
192 20.5 15.8 23.8

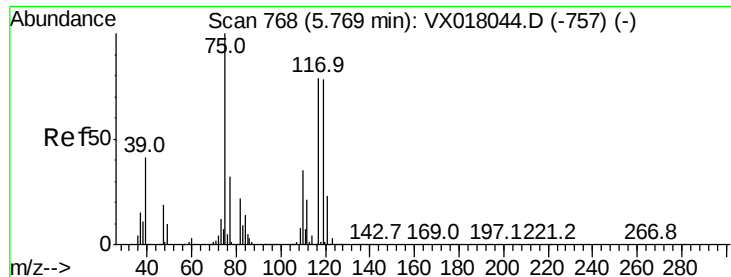


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.322 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#03

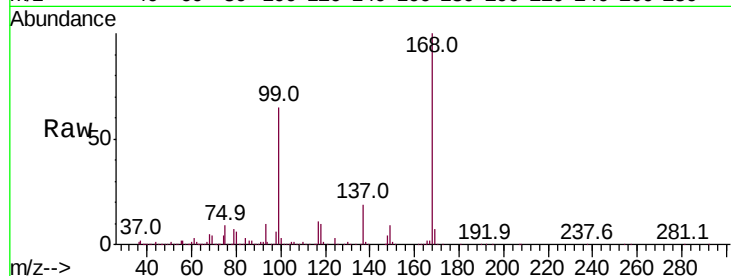
Tot Ion: 75 Resp: 35990

Ion Ratio Lower Upper

75 100

110 10.2 18.0 54.0#

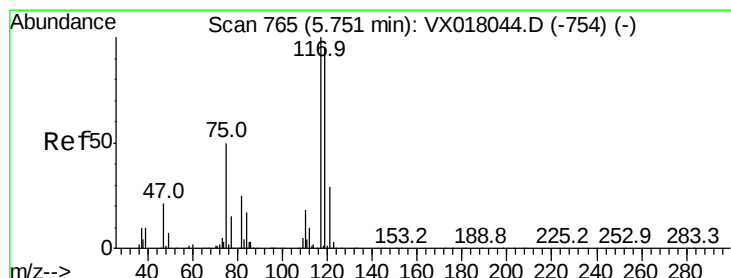
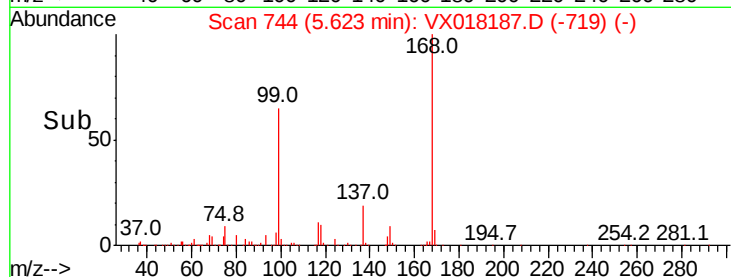
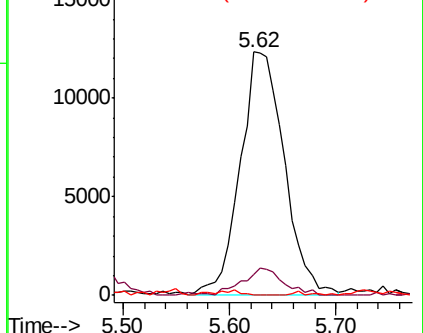
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.073 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

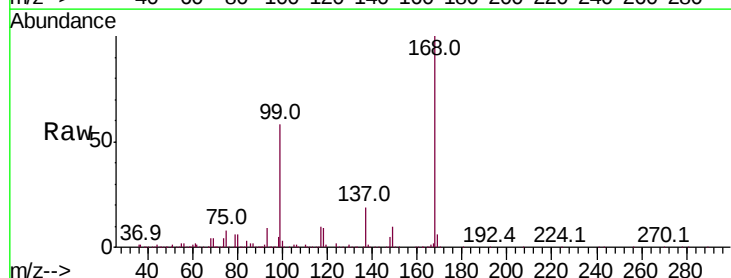
Tgt Ion: 117 Resp: 46283

Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

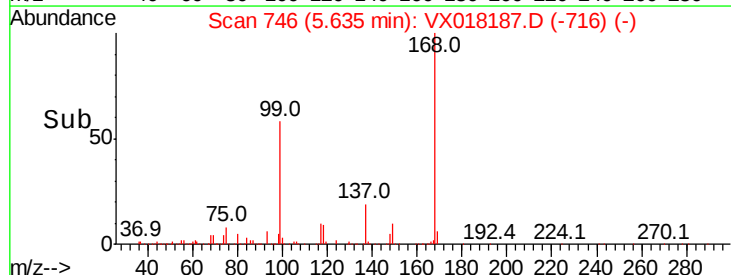
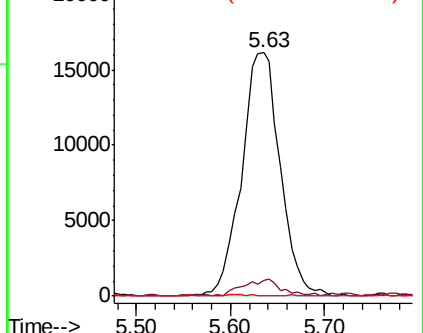
121 0.0 23.4 35.0#

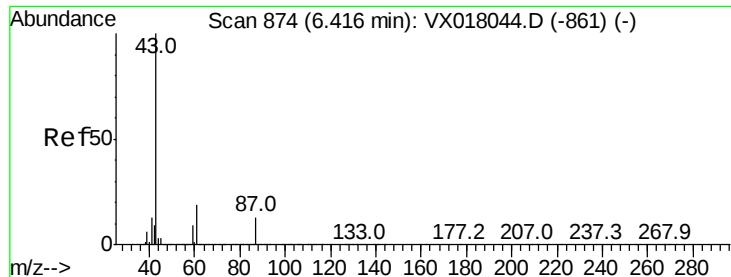


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 10.133 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#03

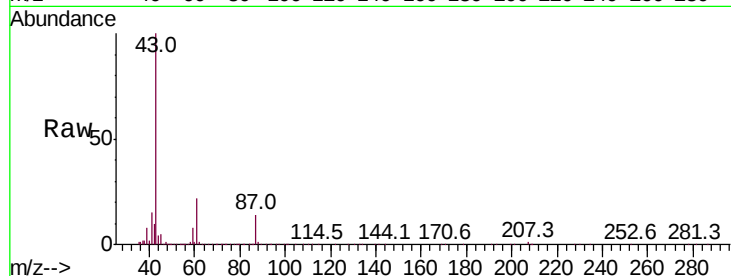
Tot Ion: 43 Resp: 128554

Ion Ratio Lower Upper

43 100

61 19.9 15.7 23.5

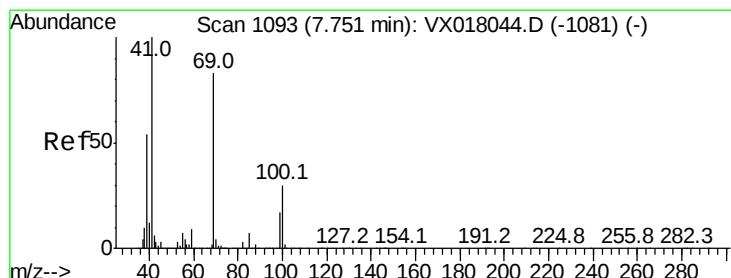
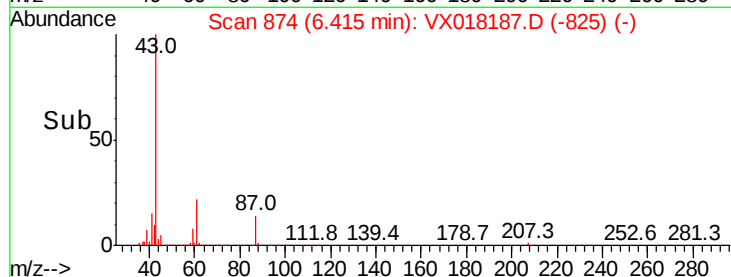
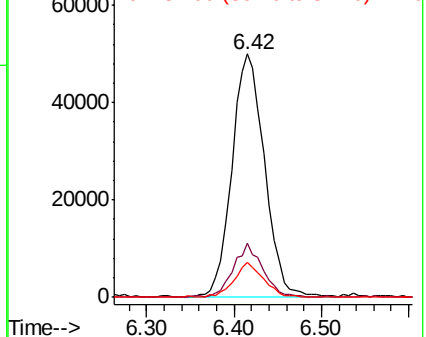
87 13.2 10.3 15.5



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: 34.214 ug/l

RT: 7.85 min Scan# 1110

Delta R.T. 0.10 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

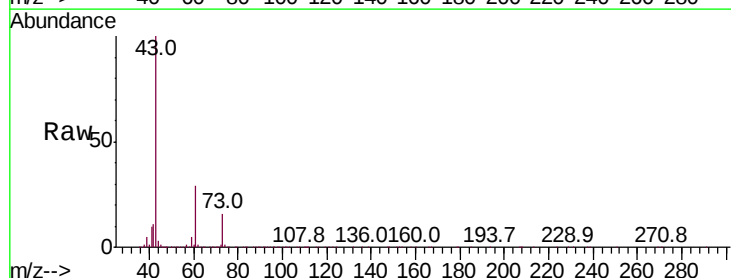
Tgt Ion: 41 Resp: 216069

Ion Ratio Lower Upper

41 100

69 0.5 65.5 98.3#

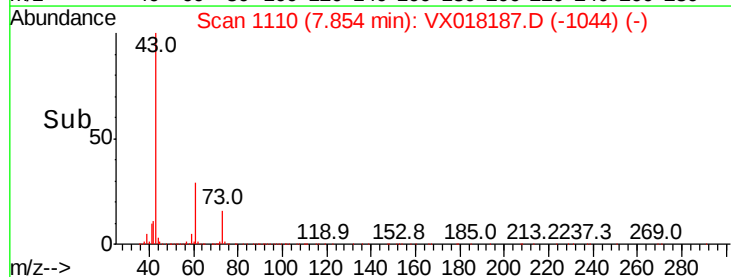
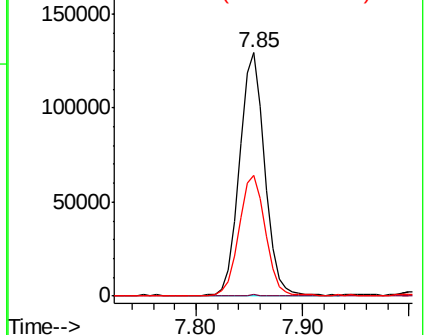
39 52.0 44.5 66.7

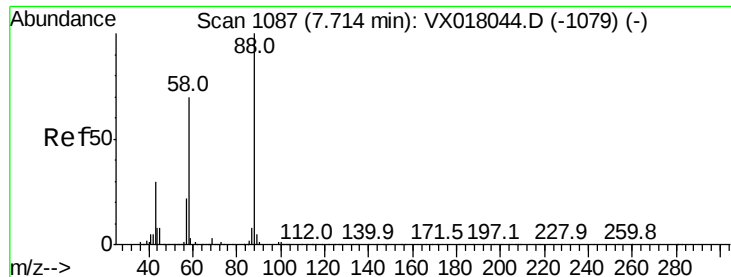


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.734 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#03

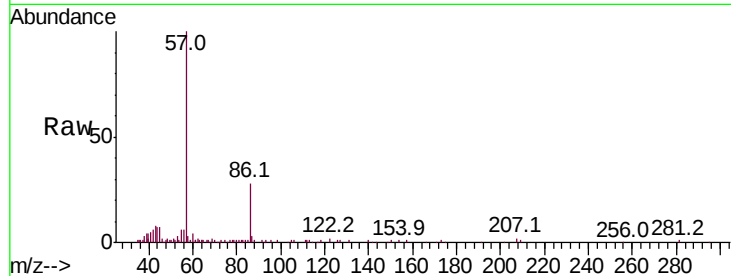
Tot Ion: 88 Resp: 84

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

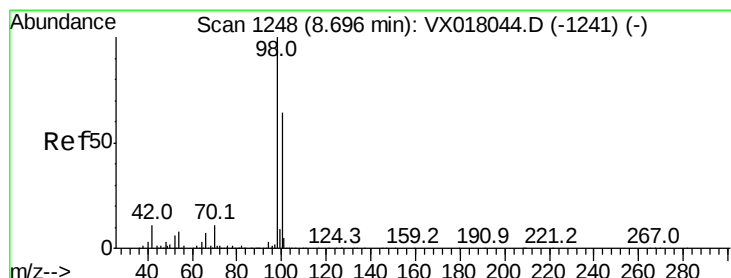
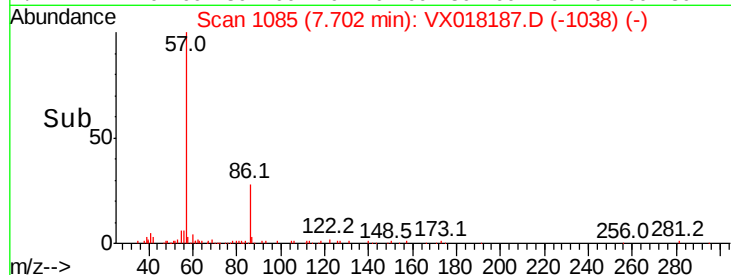
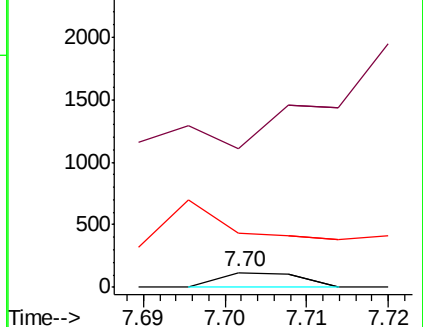
58 1000.0 56.4 84.6#



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: 49.689 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX018187.D

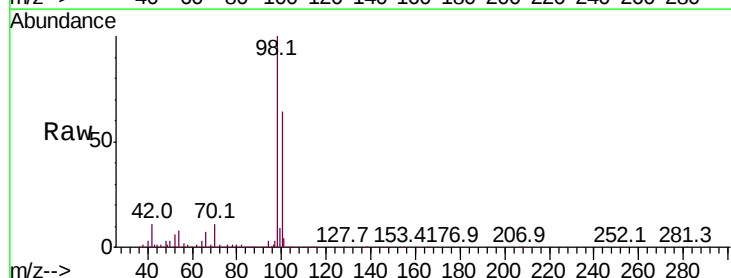
Acq: 01 Sep 2020 13:22

Tgt Ion: 98 Resp: 924111

Ion Ratio Lower Upper

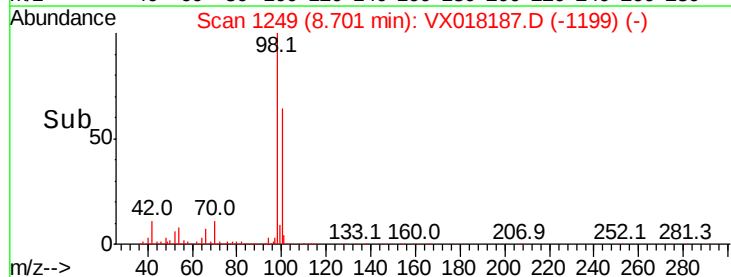
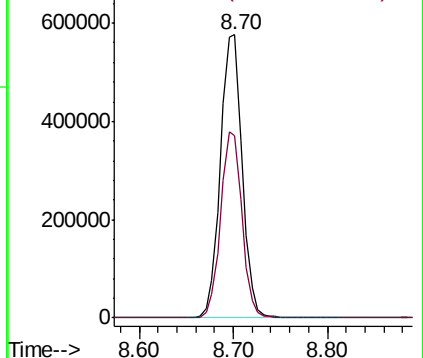
98 100

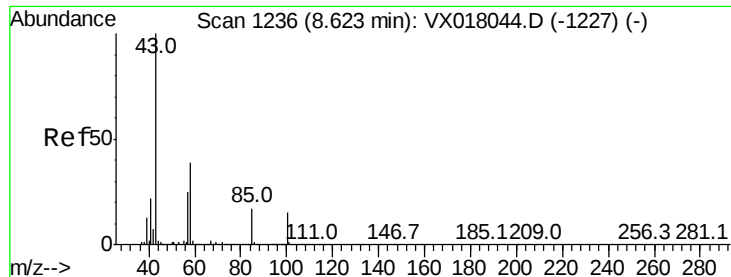
100 64.2 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 16.442 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

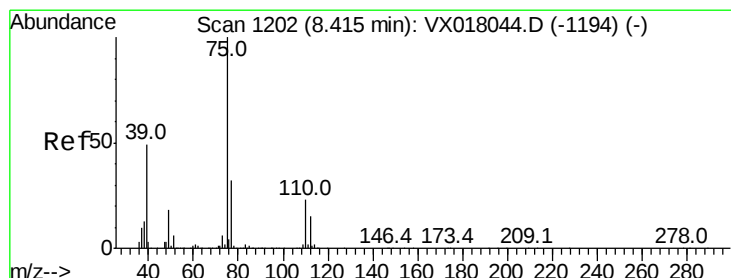
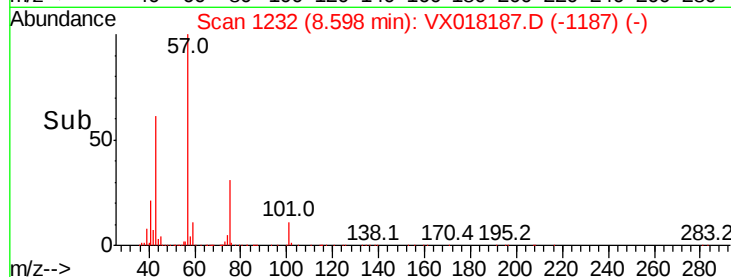
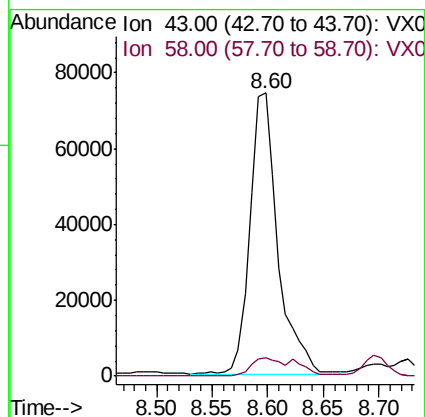
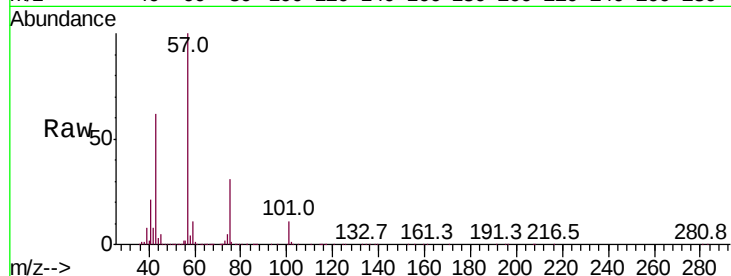
PB131314ZHE#03

Tot Ion: 43 Resp: 128847

Ion Ratio Lower Upper

43 100

58 7.3 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 5.943 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

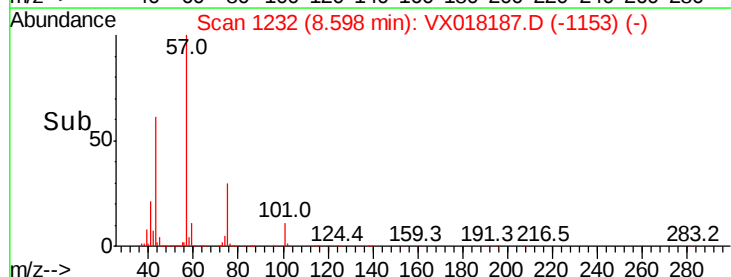
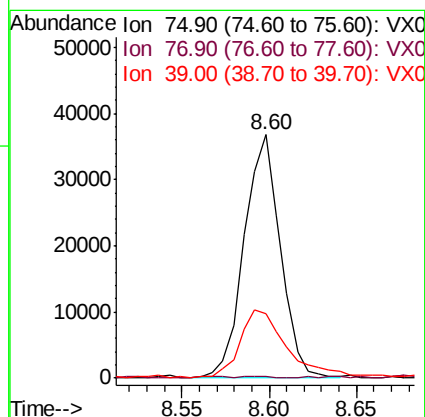
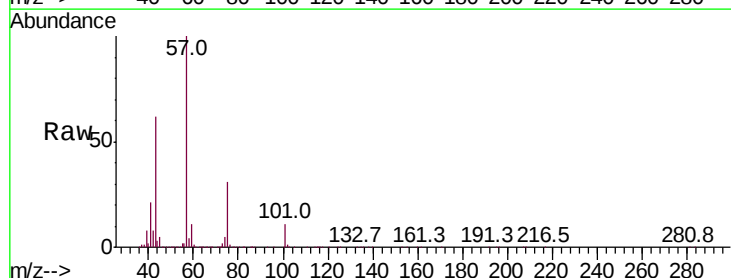
Tgt Ion: 75 Resp: 52467

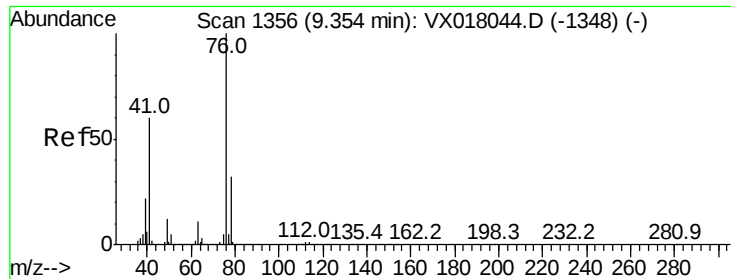
Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#

39 26.1 38.8 58.2#





#57

1,3-Dichloropropane

Concen: 1.074 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

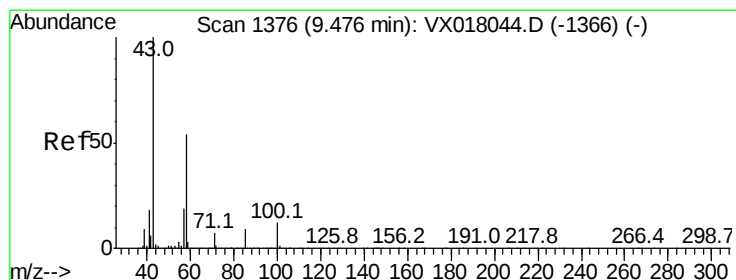
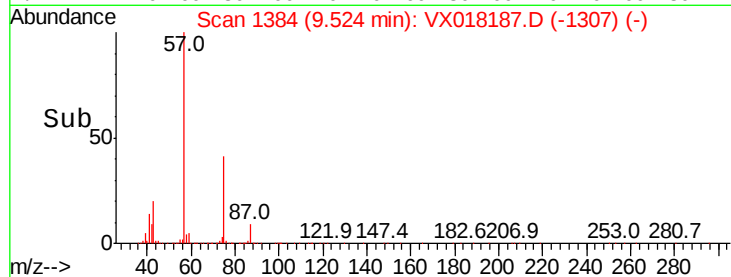
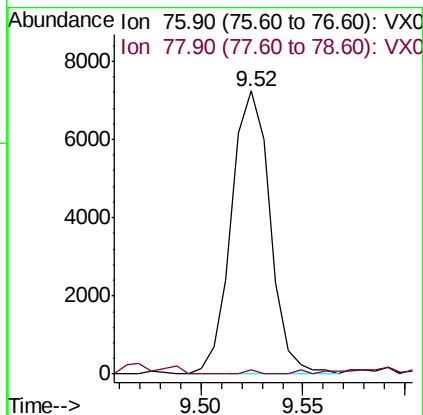
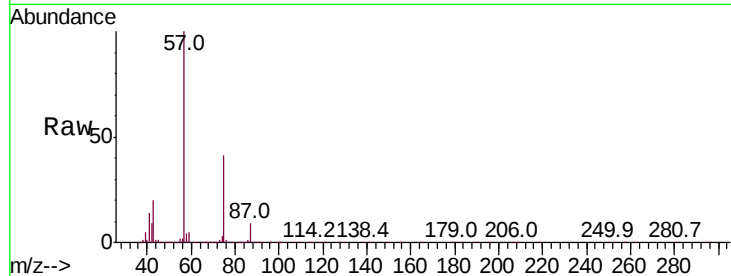
PB131314ZHE#03

Tot Ion: 76 Resp: 9520

Ion Ratio Lower Upper

76 100

78 0.5 25.8 38.6#



#59

2-Hexanone

Concen: 22.986 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX018187.D

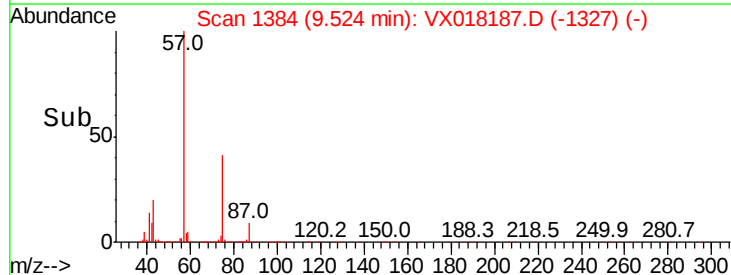
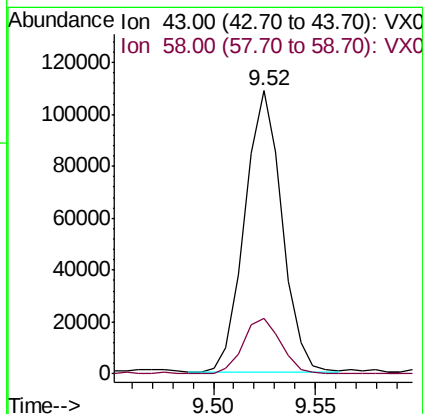
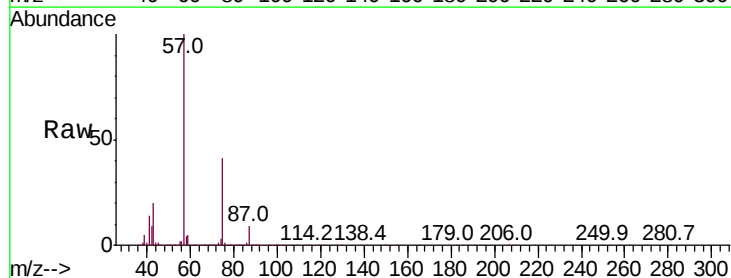
Acq: 01 Sep 2020 13:22

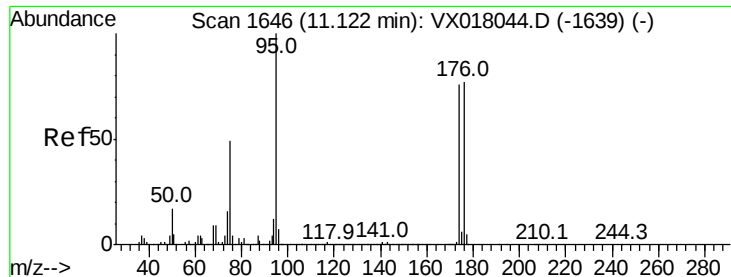
Tgt Ion: 43 Resp: 136965

Ion Ratio Lower Upper

43 100

58 20.1 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 47.101 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#03

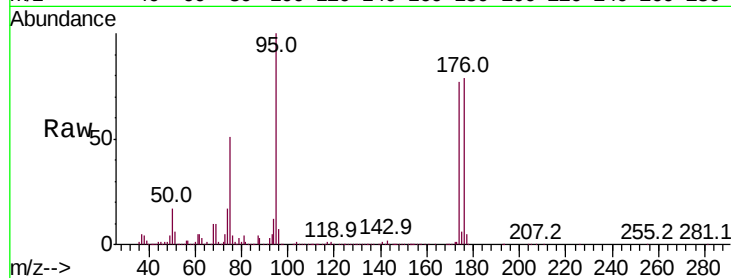
Tot Ion: 95 Resp: 344645

Ion Ratio Lower Upper

95 100

174 79.1 0.0 160.2

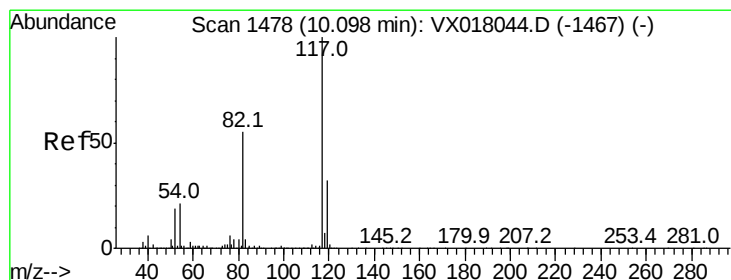
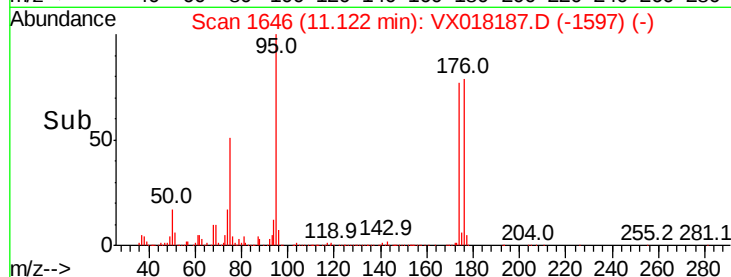
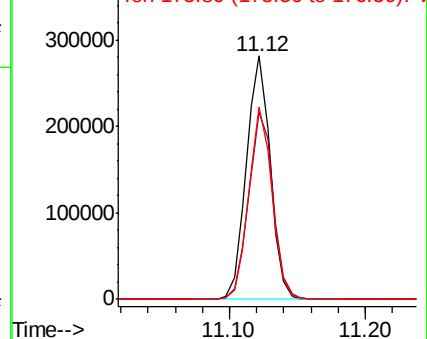
176 77.0 0.0 155.8



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: VX018187.D

Acq: 01 Sep 2020 13:22

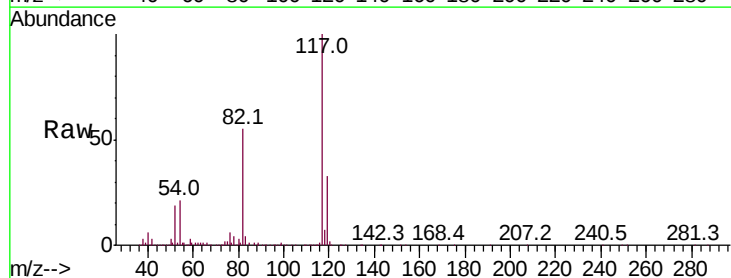
Tgt Ion: 117 Resp: 715338

Ion Ratio Lower Upper

117 100

82 55.1 44.2 66.2

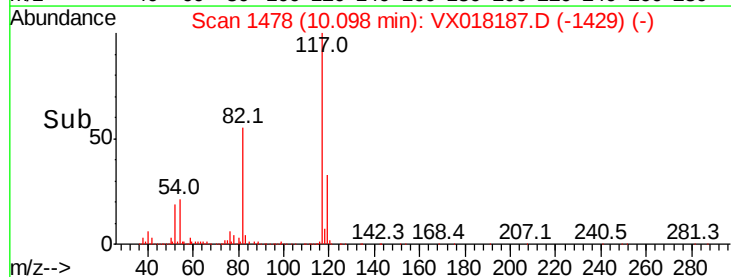
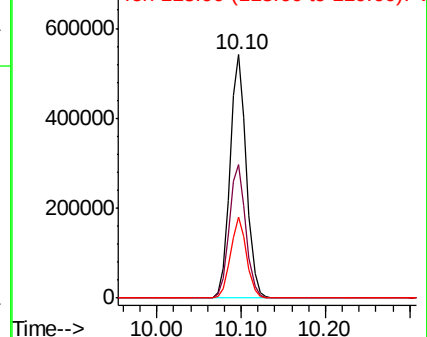
119 33.1 25.7 38.5

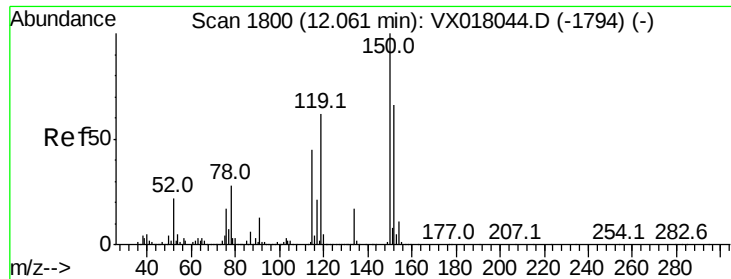


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX018187.D

Acq: 01 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#03

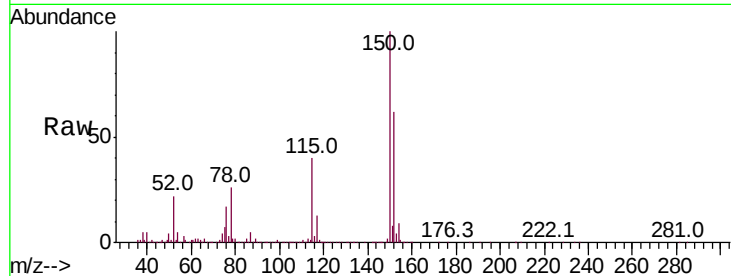
Tot Ion:152 Resp: 330681

Ion Ratio Lower Upper

152 100

115 61.6 41.5 124.5

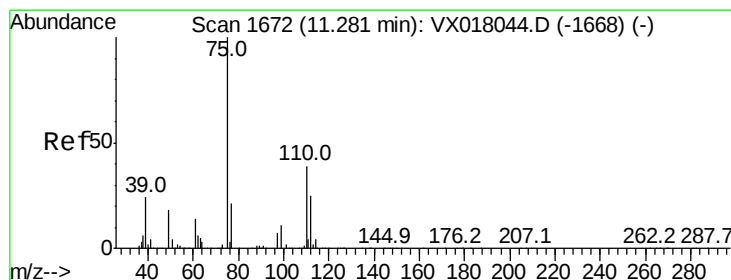
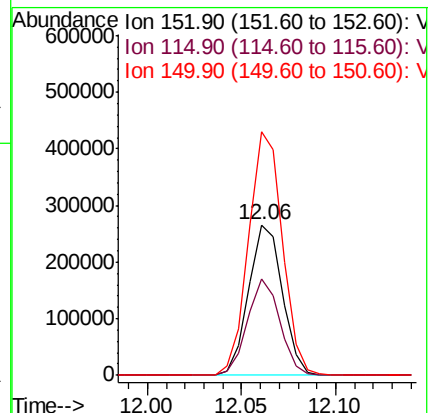
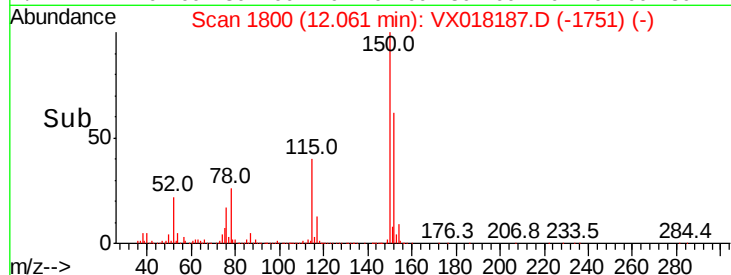
150 162.2 0.0 343.8



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



#76

1,2,3-Trichloropropane

Concen: 24.436 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018187.D

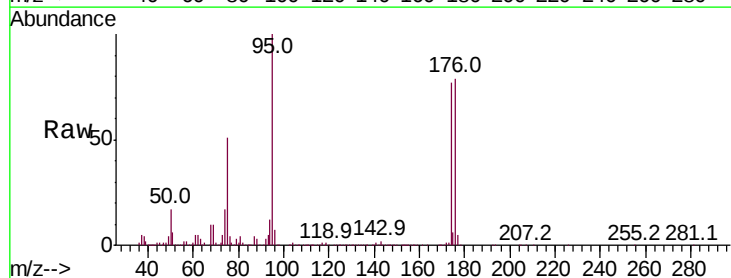
Acq: 01 Sep 2020 13:22

Tgt Ion: 75 Resp: 179751

Ion Ratio Lower Upper

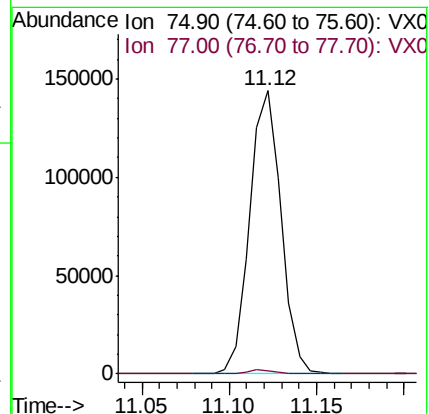
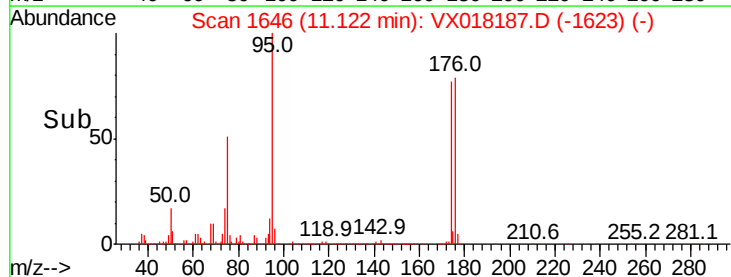
75 100

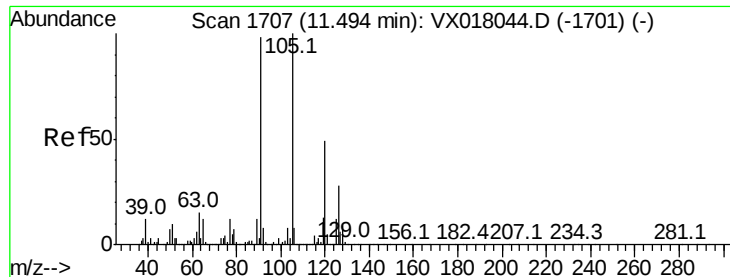
77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.687 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

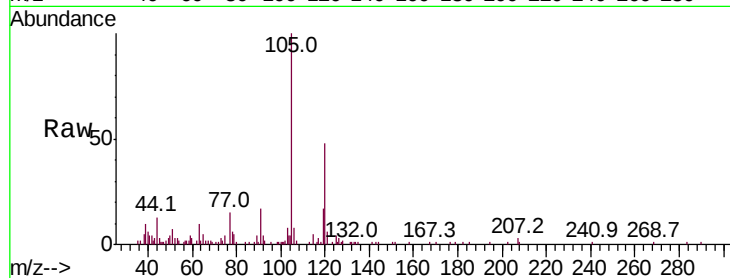
PB131314ZHE#03

Tot Ion:105 Resp: 12307

Ion Ratio Lower Upper

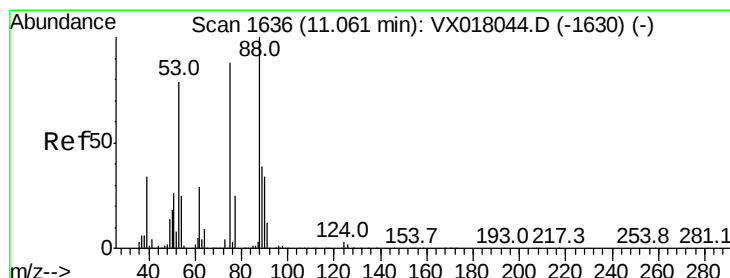
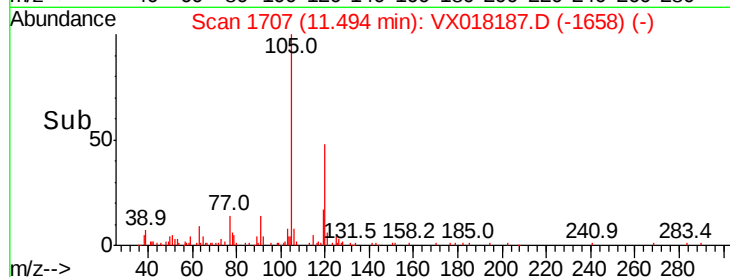
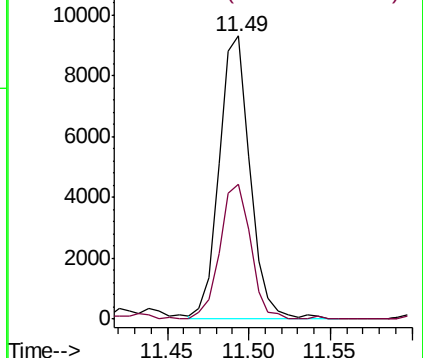
105 100

120 47.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 65.996 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018187.D

Acq: 01 Sep 2020 13:22

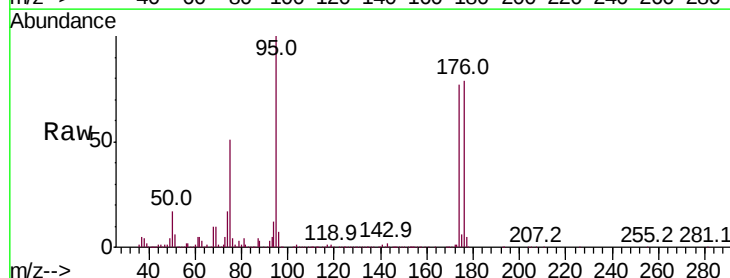
Tgt Ion: 75 Resp: 179751

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.2 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

