

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090120\
 Data File : VX018195.D
 Acq On : 01 Sep 2020 16:25
 Operator : JC/SP
 Sample : PB131314ZHE#11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#11

Quant Time: Sep 02 02:51:44 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	437106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	699127	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	695424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	332034	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	318242	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	5.46	113	245663	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
50) Toluene-d8	8.70	98	884002	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.12	95	332013	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	

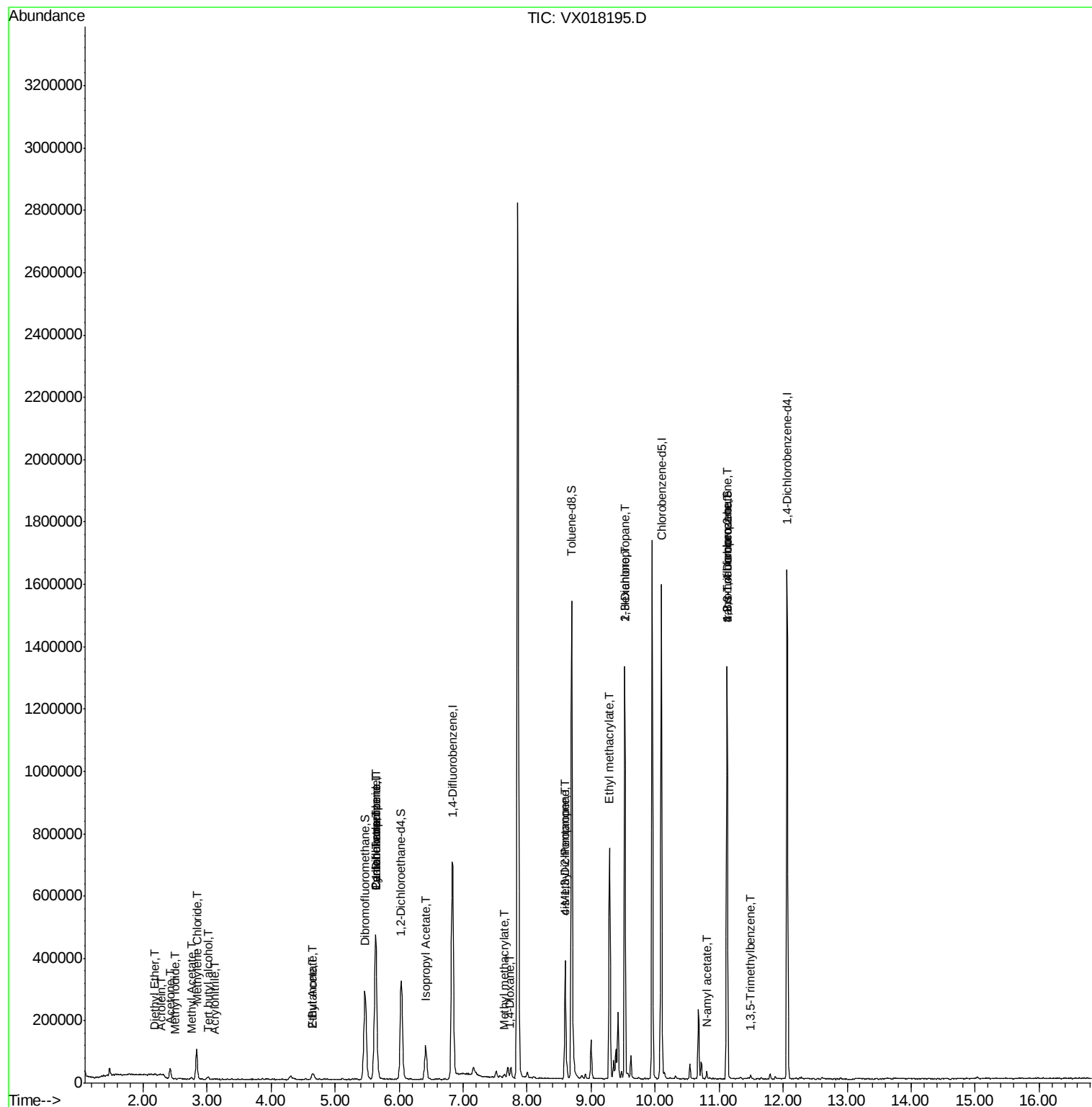
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1468	0.568	ug/l	98
10) Methyl Iodide	2.50	142	471	5.382	ug/l #	60
11) Tert butyl alcohol	3.02	59	7869	6.669	ug/l #	73
13) Acrolein	2.28	56	1258	2.571	ug/l #	14
15) Acrylonitrile	3.12	53	626	0.234	ug/l #	60
16) Acetone	2.42	43	35213	14.892	ug/l	100
18) Methyl Acetate	2.75	43	8428	1.477	ug/l	100
20) Methylene Chloride	2.83	84	45042	8.343	ug/l	99
25) 2-Butanone	4.64	43	30452	7.836	ug/l	97
31) Cyclohexane	5.63	56	9691	1.334	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	33095	5.132	ug/l #	51
37) Ethyl Acetate	4.64	43	30452	4.066	ug/l #	71
38) Carbon Tetrachloride	5.64	117	43505	5.987	ug/l #	16
43) Isopropyl Acetate	6.42	43	149572	12.365	ug/l	99
48) Methyl methacrylate	7.65	41	8797	1.461	ug/l #	16
49) 1,4-Dioxane	7.73	88	270	2.475	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	136286	18.239	ug/l #	53
54) cis-1,3-Dichloropropene	8.60	75	58492	6.948	ug/l #	64
56) Ethyl methacrylate	9.29	69	2969	0.390	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	10399	1.230	ug/l #	46
59) 2-Hexanone	9.52	43	148341	26.108	ug/l #	52
74) N-amyl acetate	10.80	43	10909	1.050	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	172299	23.327	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	4971	0.276	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	172299	63.003	ug/l #	12

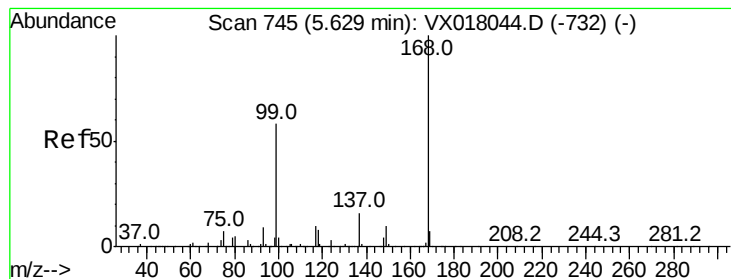
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090120\
Data File : VX018195.D
Acq On : 01 Sep 2020 16:25
Operator : JC/SP
Sample : PB131314ZHE#11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#11

Quant Time: Sep 02 02:51:44 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: VX018195.D

Acq: 01 Sep 2020 16:25

Instrument :

MSVOA_X

ClientSampleId :

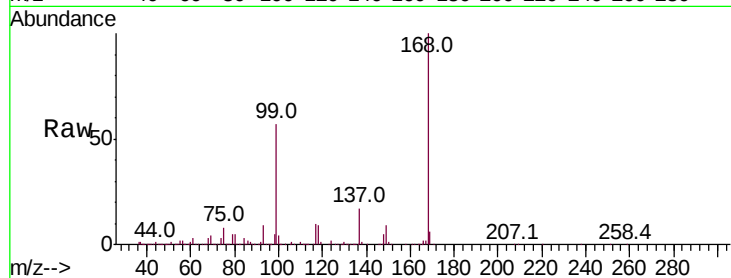
PB131314ZHE#11

Tot Ion:168 Resp: 437106

Ion Ratio Lower Upper

168 100

99 56.8 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

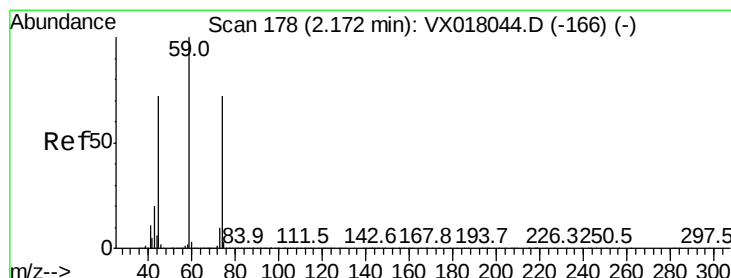
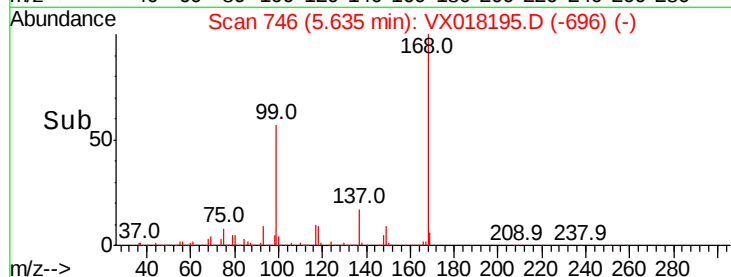
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 0.568 ug/l

RT: 2.17 min Scan# 178

Delta R.T. -0.00 min

Lab File: VX018195.D

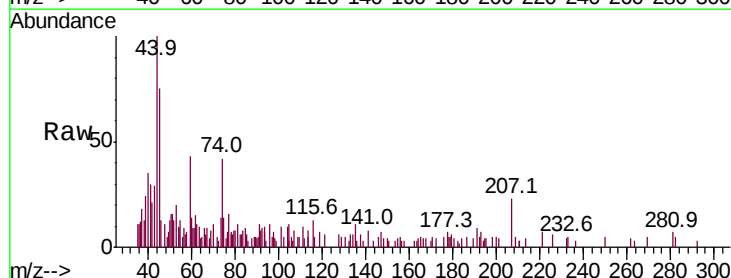
Acq: 01 Sep 2020 16:25

Tgt Ion: 74 Resp: 1468

Ion Ratio Lower Upper

74 100

45 99.8 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1500

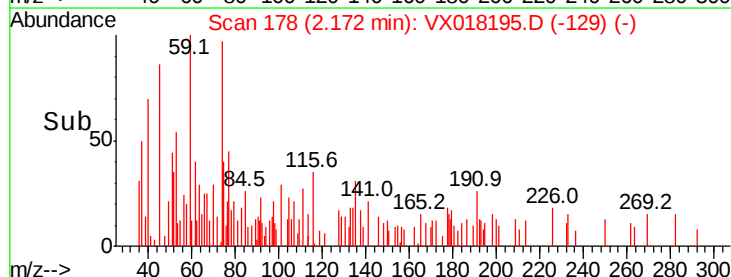
1000

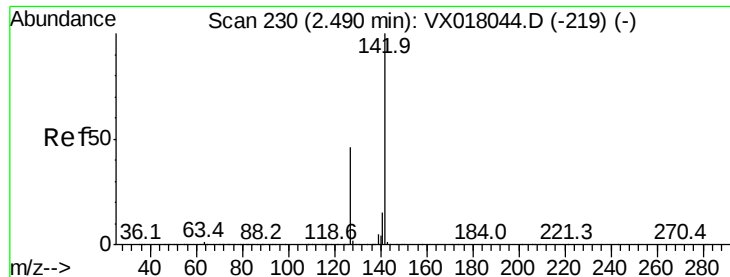
500

0

Time-->

2.14 2.16 2.18 2.20 2.22

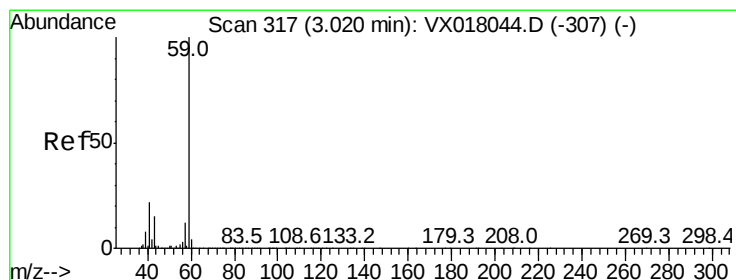
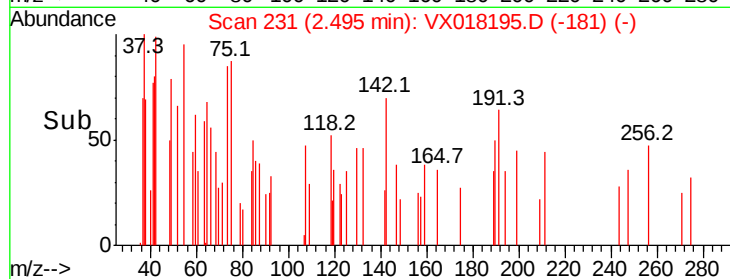
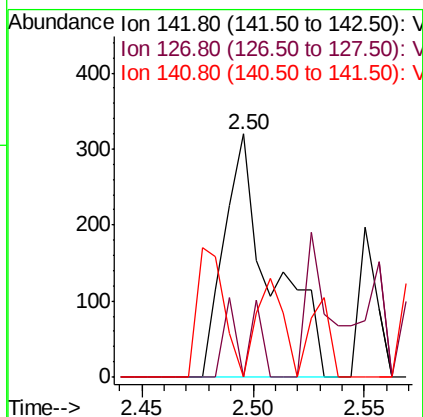
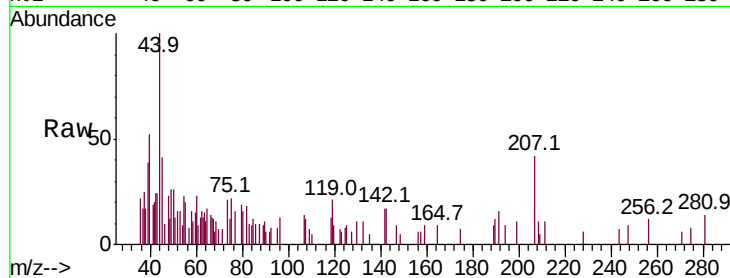




#10
Methyl Iodide
Concen: 5.382 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018195.D
Acq: 01 Sep 2020 16:25

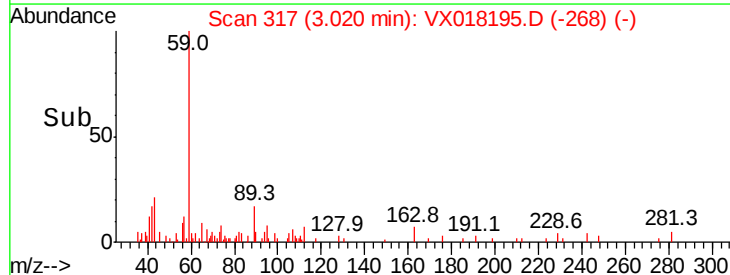
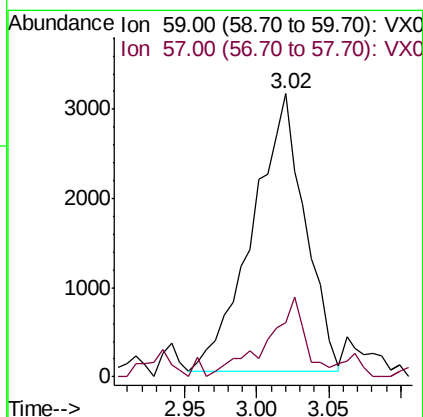
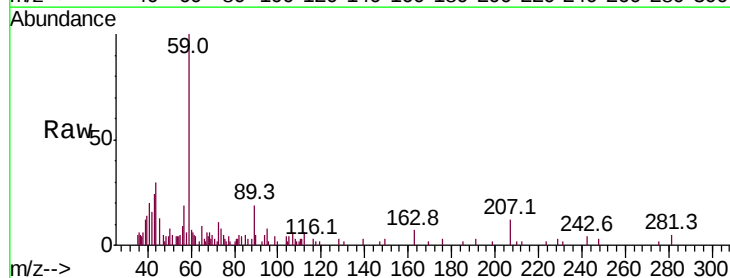
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#11

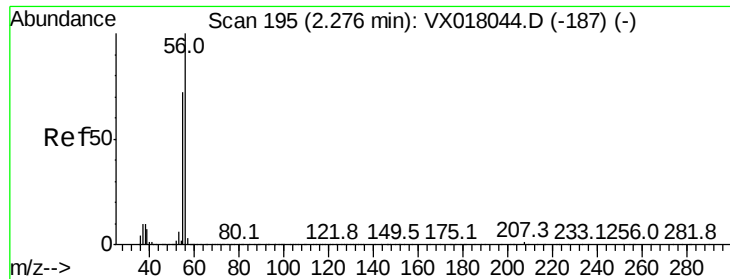
Tot Ion:142 Resp: 471
Ion Ratio Lower Upper
142 100
127 15.9 37.0 55.6#
141 23.1 11.5 17.3#



#11
Tert butyl alcohol
Concen: 6.669 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX018195.D
Acq: 01 Sep 2020 16:25

Tgt Ion: 59 Resp: 7869
Ion Ratio Lower Upper
59 100
57 21.5 8.9 13.3#





#13

Acrolein

Concen: 2.571 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

Instrument :

MSVOA_X

ClientSampleId :

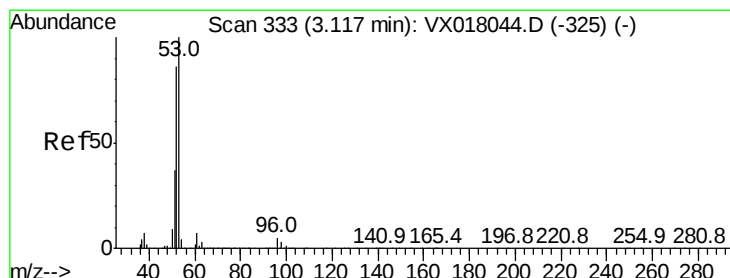
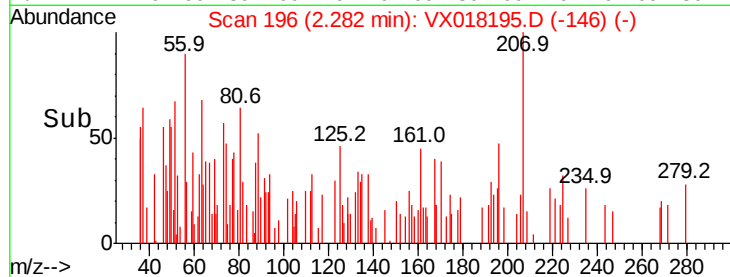
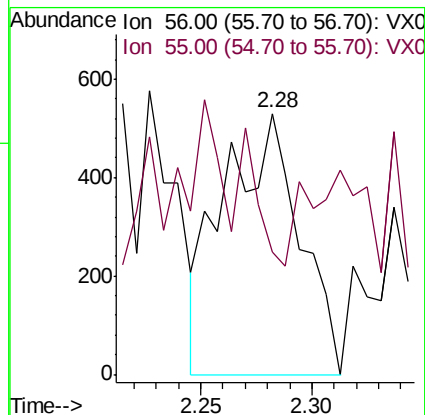
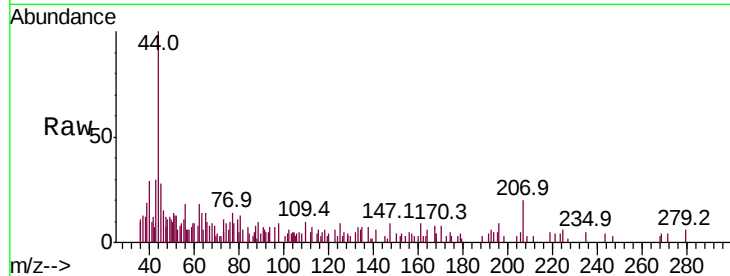
PB131314ZHE#11

Tot Ion: 56 Resp: 1258

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#



#15

Acrylonitrile

Concen: 0.234 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

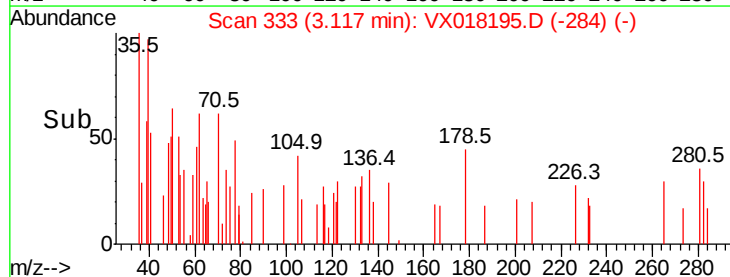
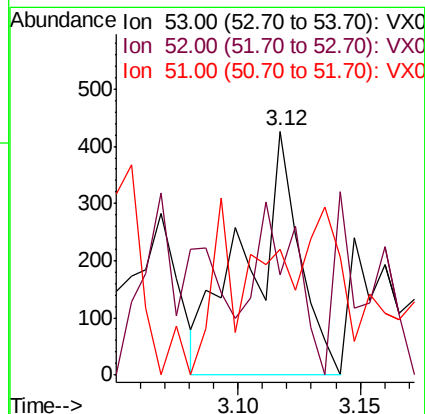
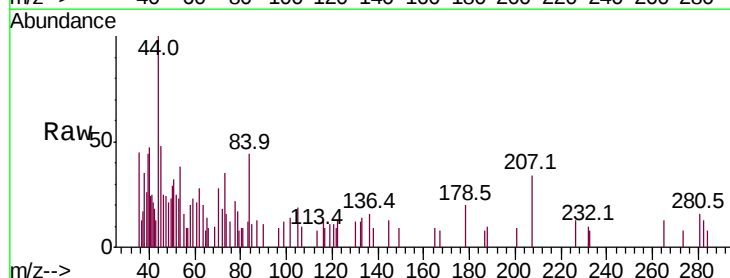
Tgt Ion: 53 Resp: 626

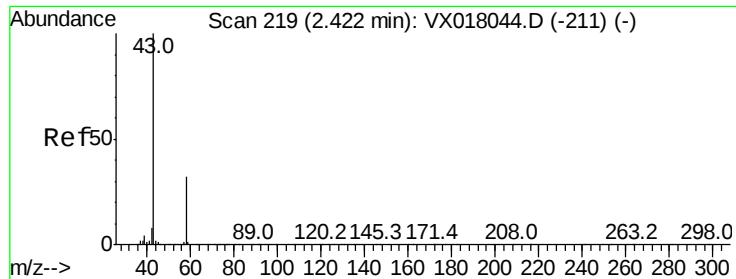
Ion Ratio Lower Upper

53 100

52 55.9 66.9 100.3#

51 0.0 28.7 43.1#

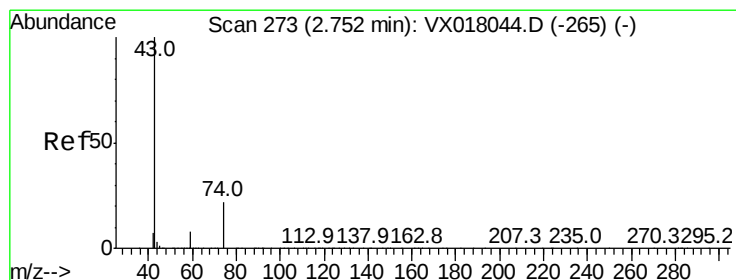
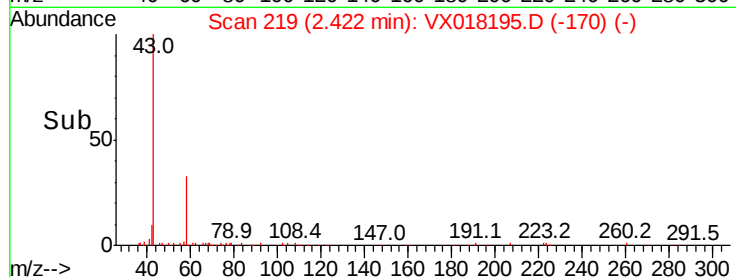
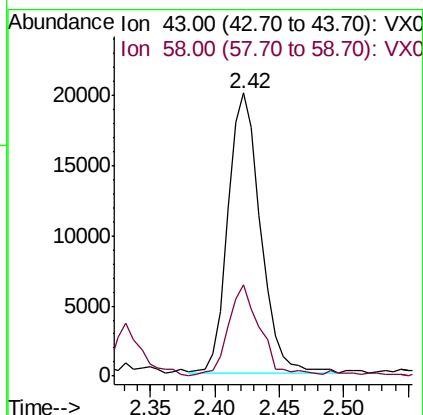
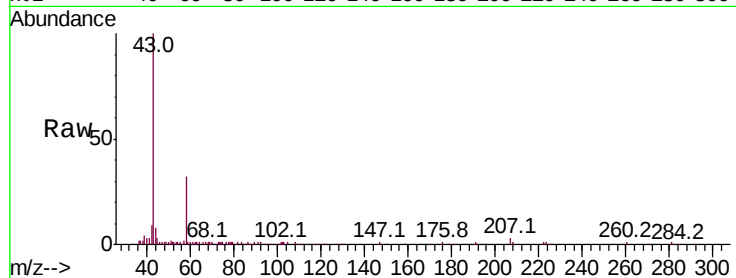




#16
Acetone
Concen: 14.892 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018195.D
Acq: 01 Sep 2020 16:25

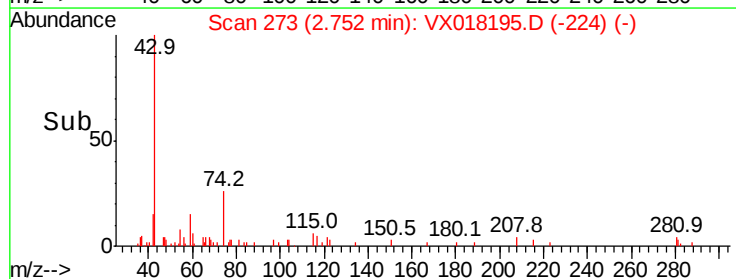
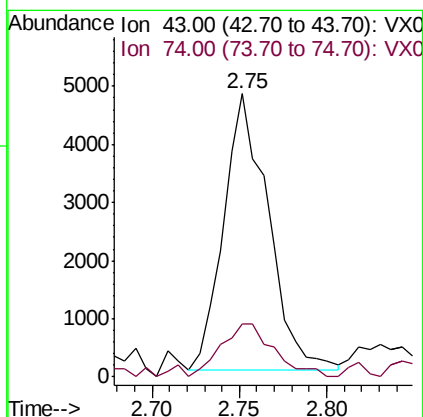
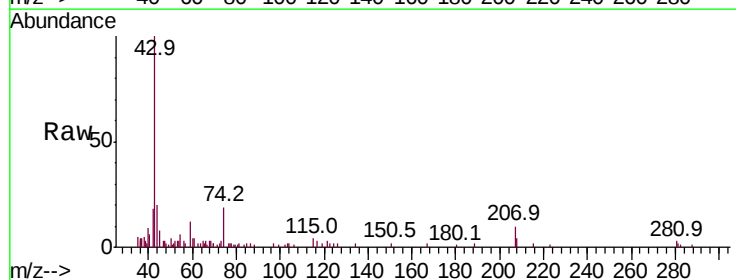
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#11

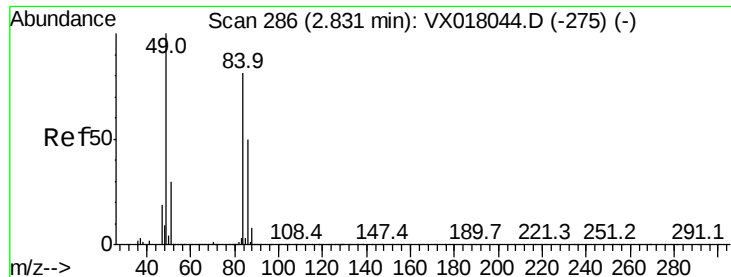
Tot Ion: 43 Resp: 35213
Ion Ratio Lower Upper
43 100
58 32.1 25.5 38.3



#18
Methyl Acetate
Concen: 1.477 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018195.D
Acq: 01 Sep 2020 16:25

Tgt Ion: 43 Resp: 8428
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.4

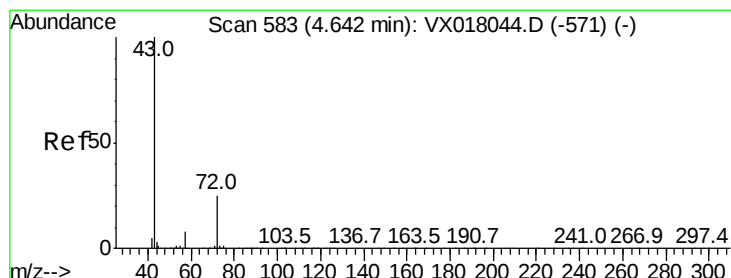
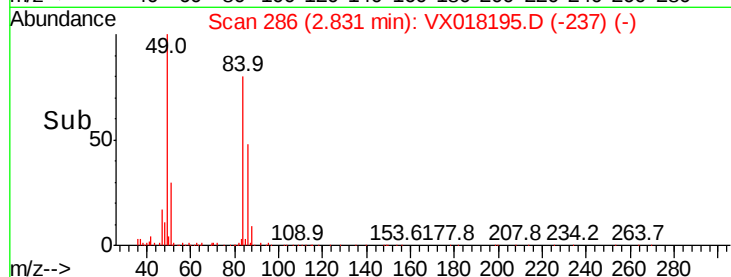
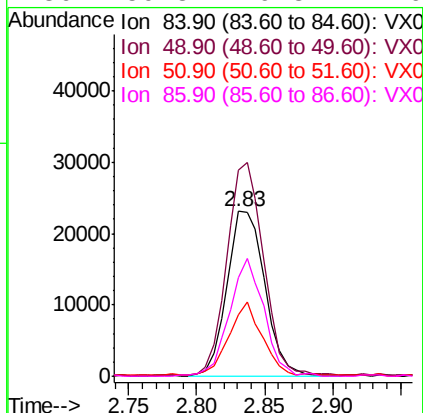
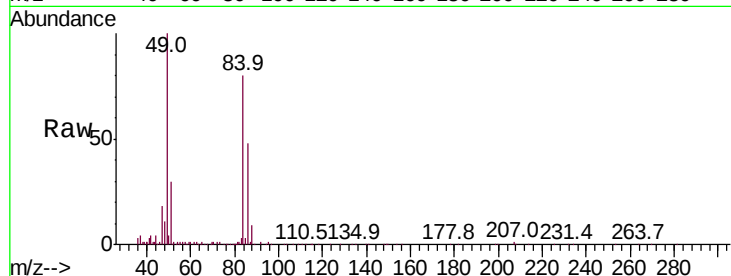




#20
Methvlene Chloride
Concen: 8.343 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018195.D
Acq: 01 Sep 2020 16:25

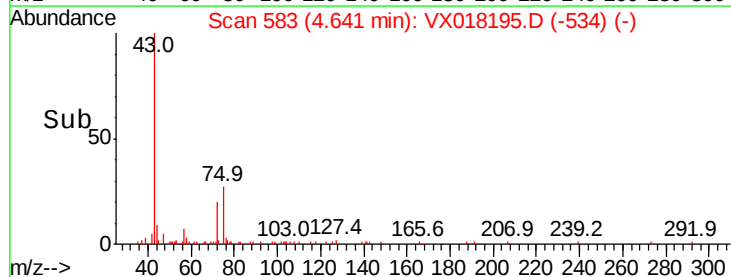
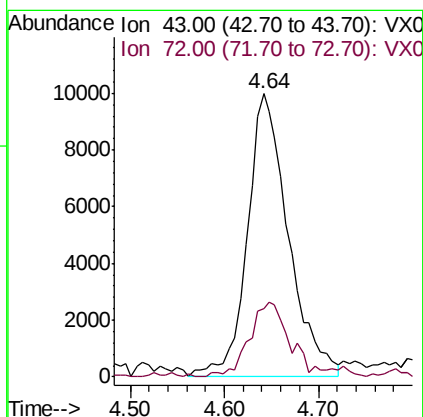
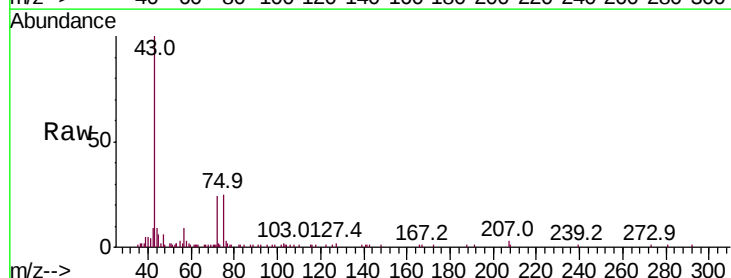
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#11

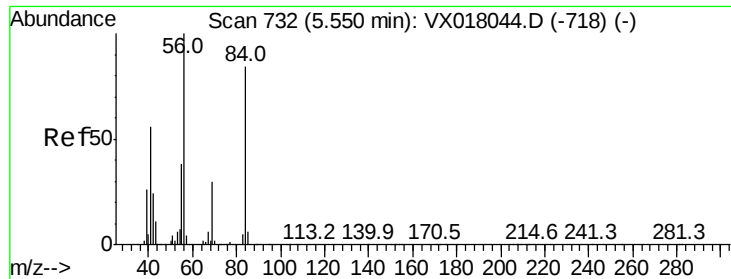
Tot Ion:	84	Resp:	45042
Ion	Ratio	Lower	Upper
84	100		
49	124.4	98.6	148.0
51	37.0	29.6	44.4
86	59.8	49.8	74.6



#25
2-Butanone
Concen: 7.836 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018195.D
Acq: 01 Sep 2020 16:25

Tgt Ion:	43	Resp:	30452
Ion	Ratio	Lower	Upper
43	100		
72	23.3	19.8	29.6

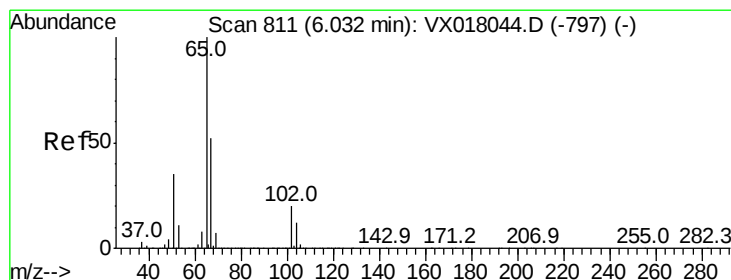
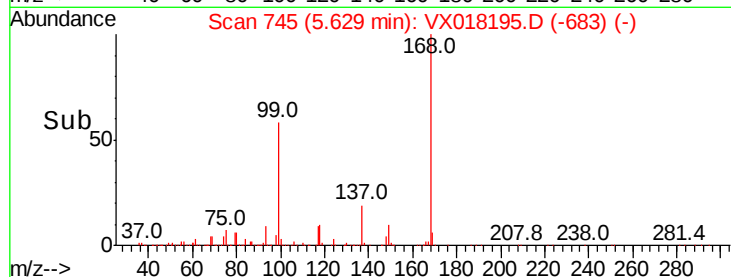
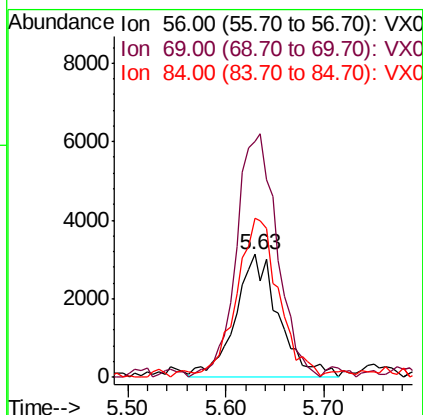
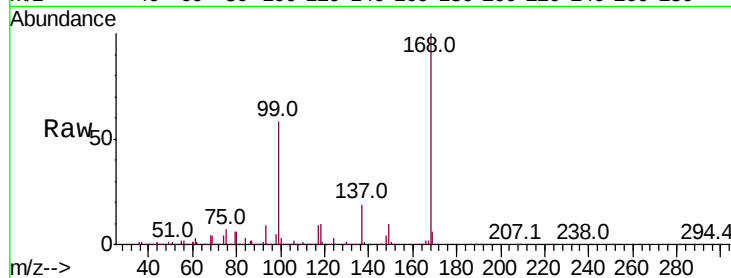




#31
Cyclohexane
Concen: 1.334 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018195.D
Acq: 01 Sep 2020 16:25

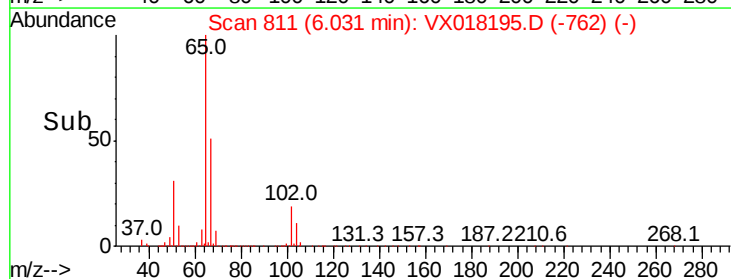
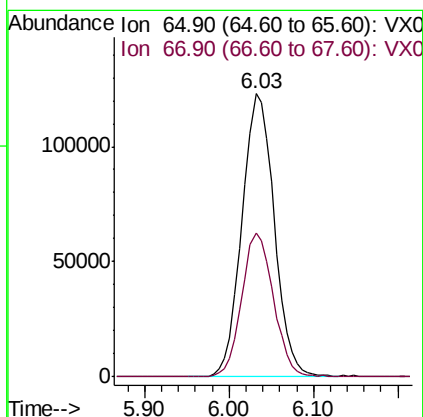
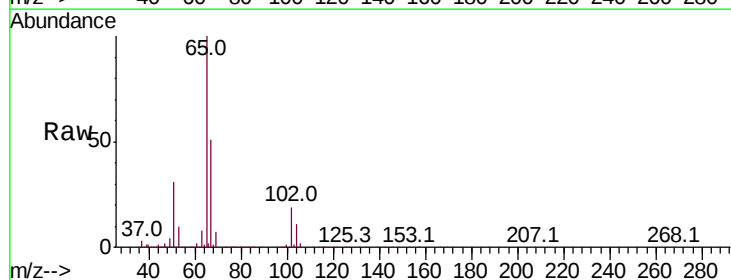
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#11

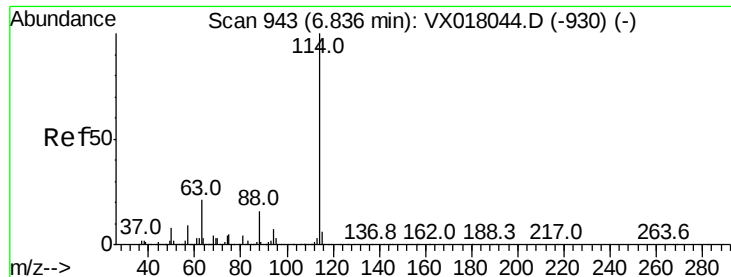
Tot Ion: 56 Resp: 9691
Ion Ratio Lower Upper
56 100
69 191.9 23.9 35.9#
84 124.5 67.0 100.4#



#33
1,2-Dichloroethane-d4
Concen: 52.445 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018195.D
Acq: 01 Sep 2020 16:25

Tgt Ion: 65 Resp: 318242
Ion Ratio Lower Upper
65 100
67 50.0 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: VX018195.D

Acq: 01 Sep 2020 16:25

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#11

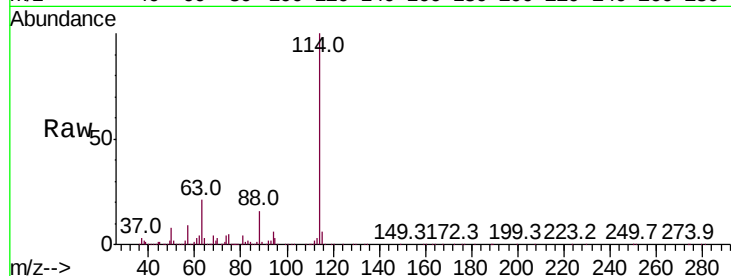
Tot Ion:114 Resp: 699127

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

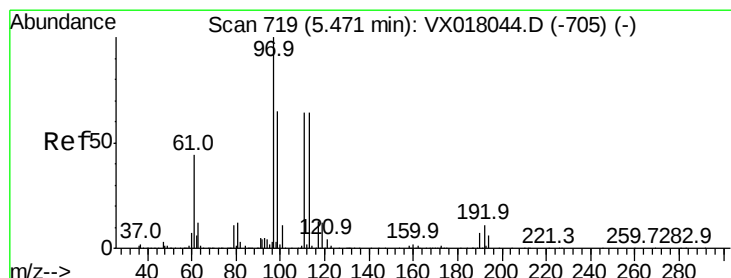
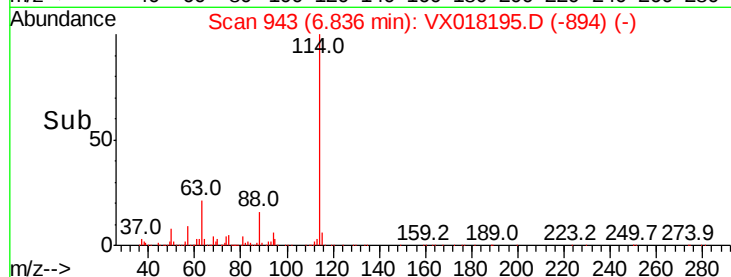
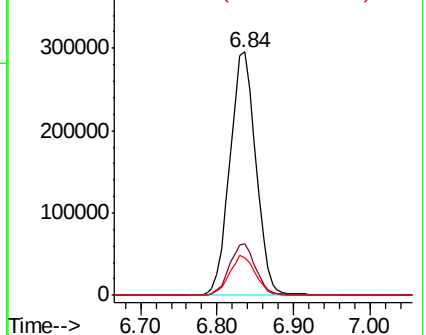
88 15.6 0.0 31.8



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: 51.595 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

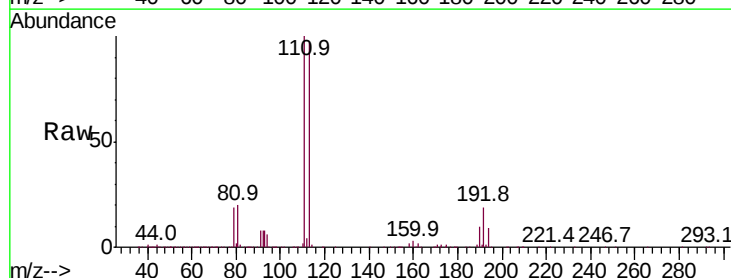
Tgt Ion:113 Resp: 245663

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

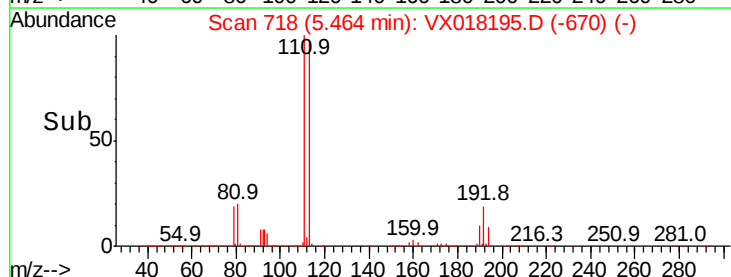
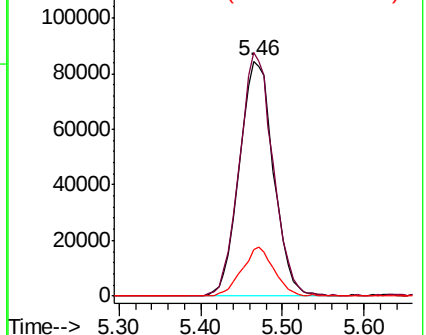
192 19.8 15.8 23.8

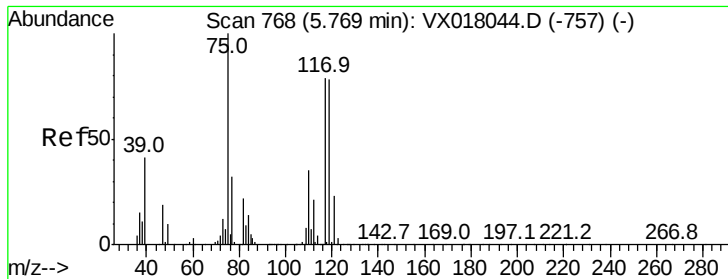


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.132 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#11

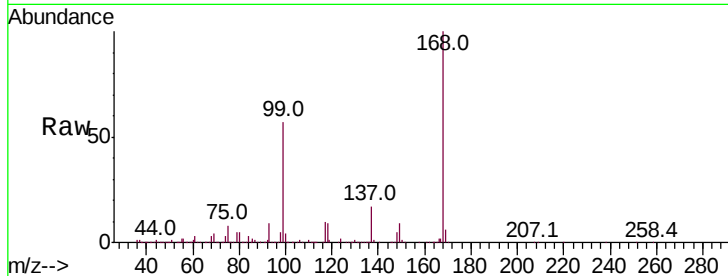
Tot Ion: 75 Resp: 33095

Ion Ratio Lower Upper

75 100

110 10.3 18.0 54.0#

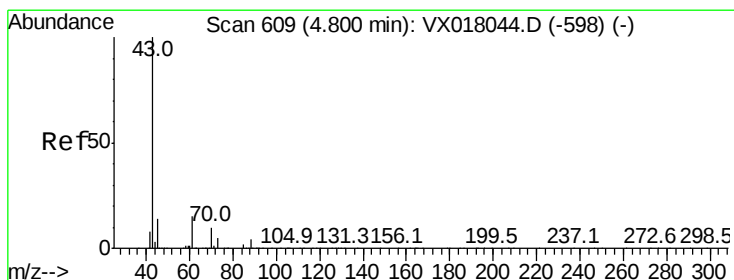
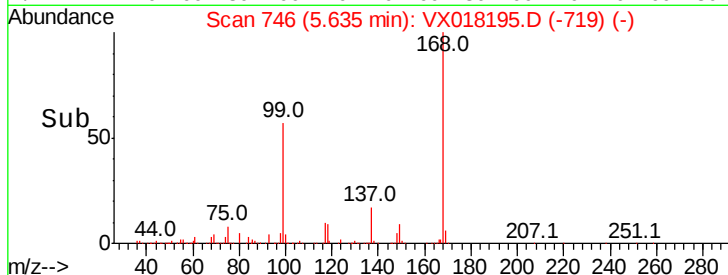
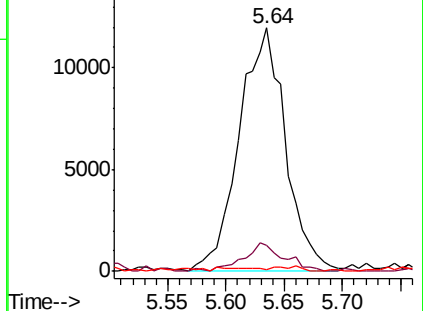
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 4.066 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.16 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

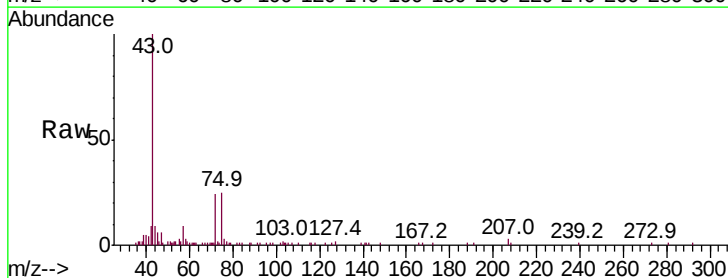
Tgt Ion: 43 Resp: 30452

Ion Ratio Lower Upper

43 100

61 0.9 11.3 16.9#

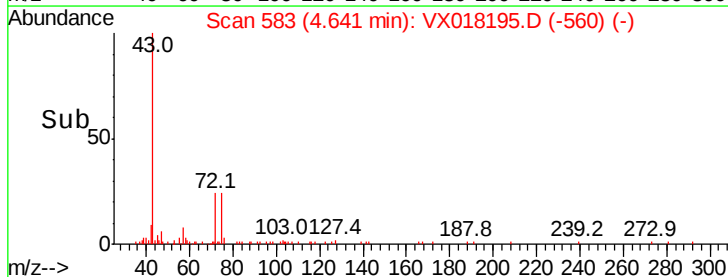
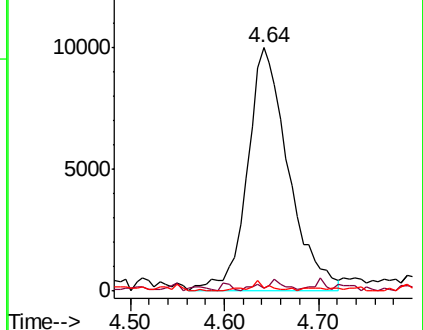
70 1.5 8.2 12.4#

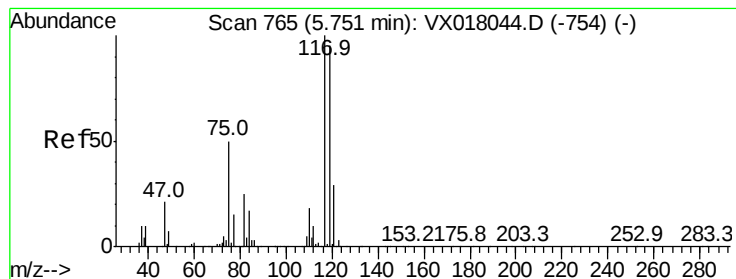


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.987 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#11

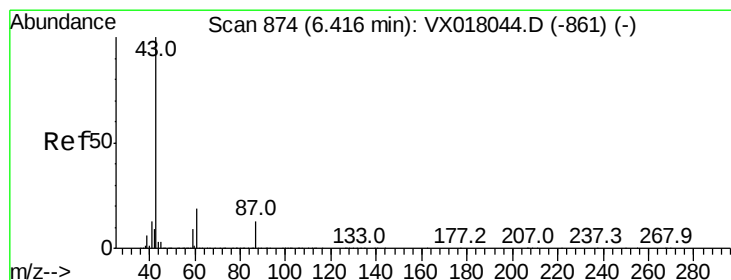
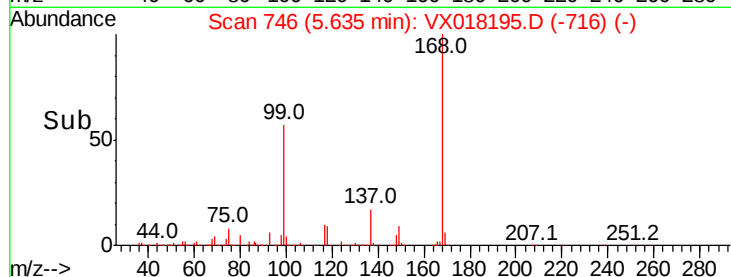
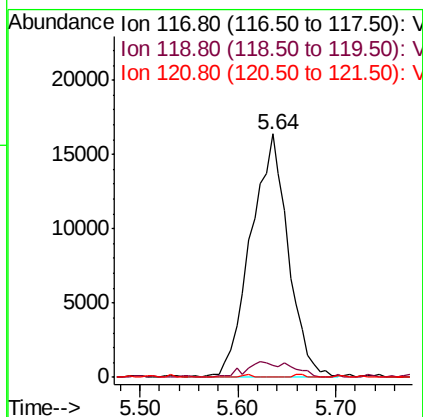
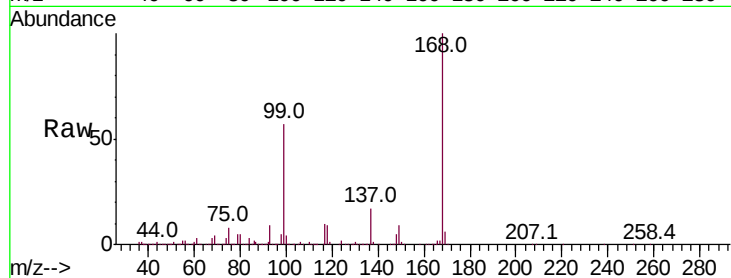
Tot Ion:117 Resp: 43505

Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.6#

121 0.0 23.4 35.0#



#43

Isopropyl Acetate

Concen: 12.365 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

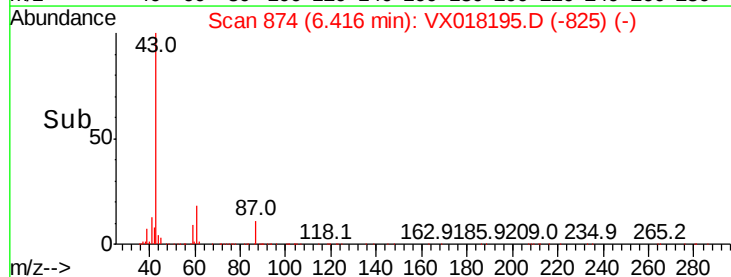
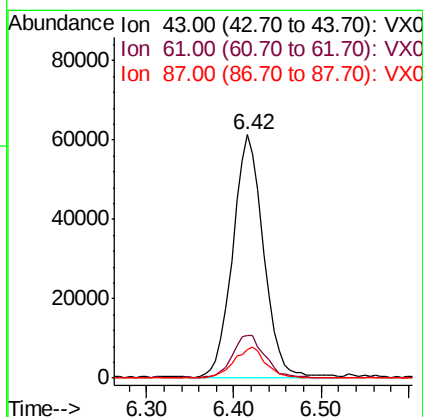
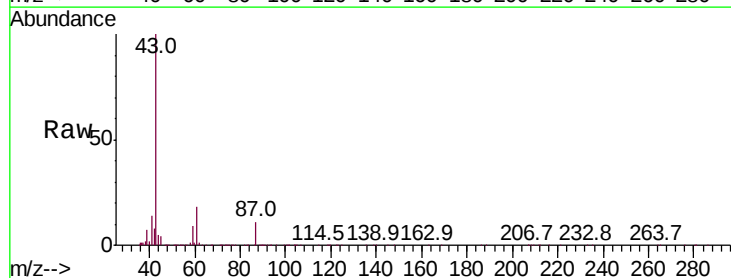
Tgt Ion: 43 Resp: 149572

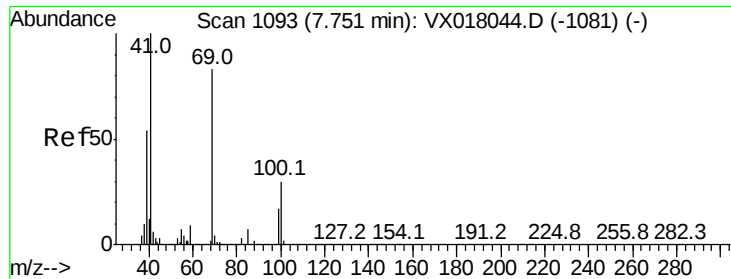
Ion Ratio Lower Upper

43 100

61 19.0 15.7 23.5

87 13.1 10.3 15.5

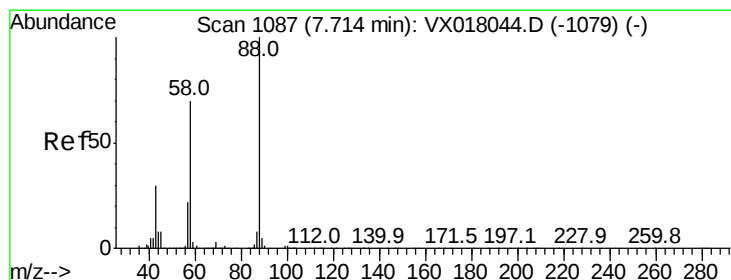
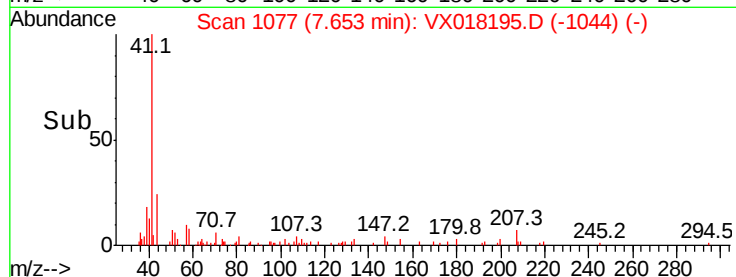
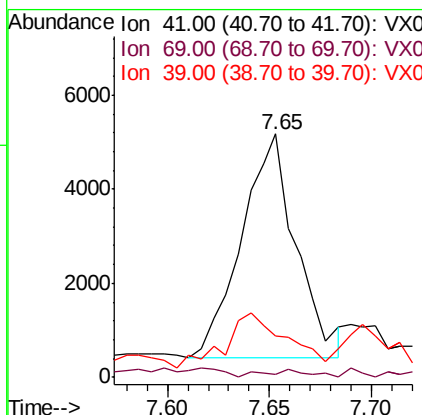
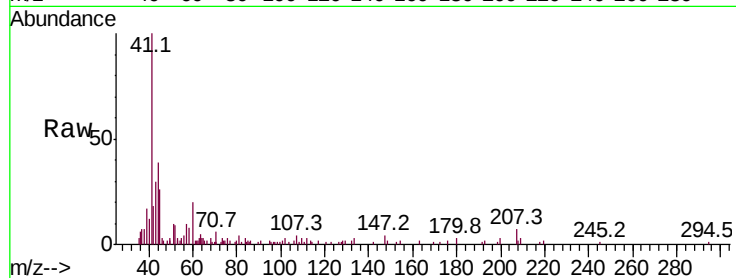




#48
Methyl methacrylate
Concen: 1.461 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX018195.D
Acq: 01 Sep 2020 16:25

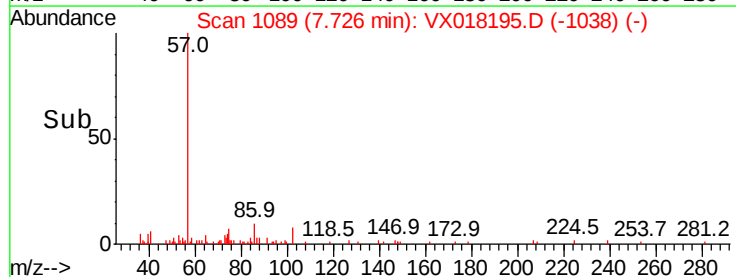
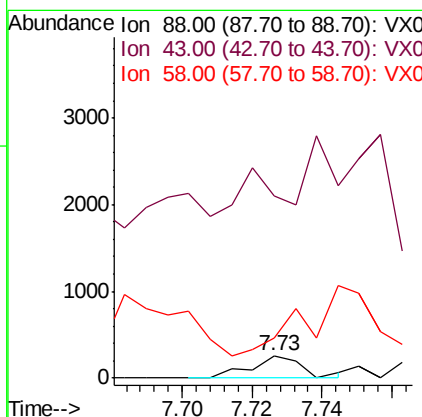
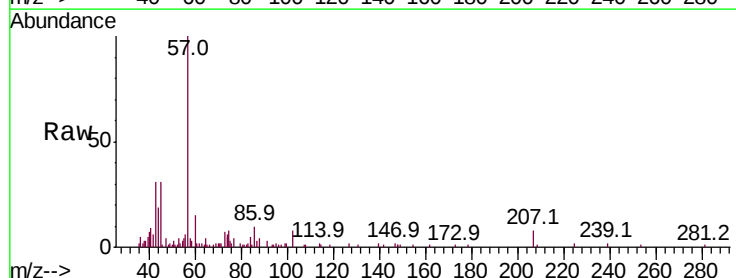
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#11

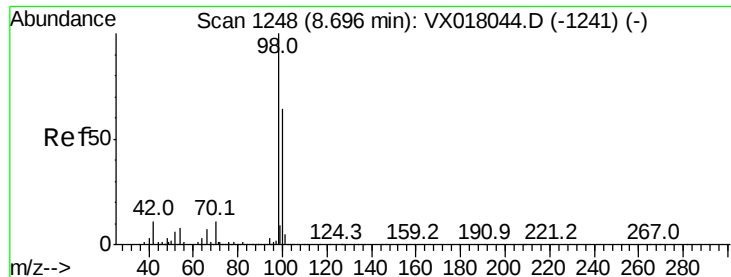
Tot Ion: 41 Resp: 8797
Ion Ratio Lower Upper
41 100
69 2.5 65.5 98.3#
39 0.0 44.5 66.7#



#49
1,4-Dioxane
Concen: 2.475 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX018195.D
Acq: 01 Sep 2020 16:25

Tgt Ion: 88 Resp: 270
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 0.0 56.4 84.6#





#50

Toluene-d8

Concen: 49.848 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

Instrument :

MSVOA_X

ClientSampleId :

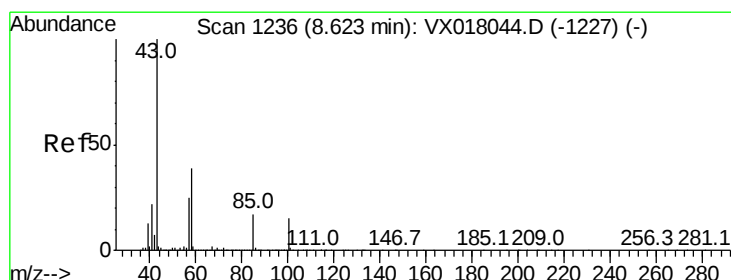
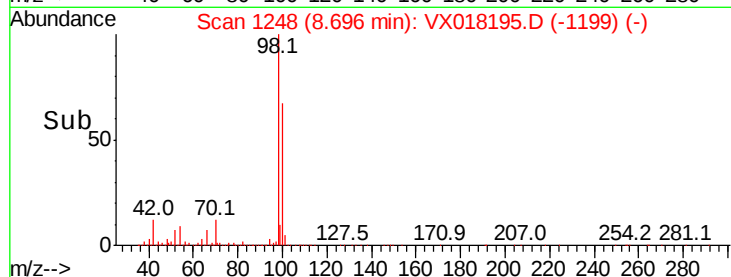
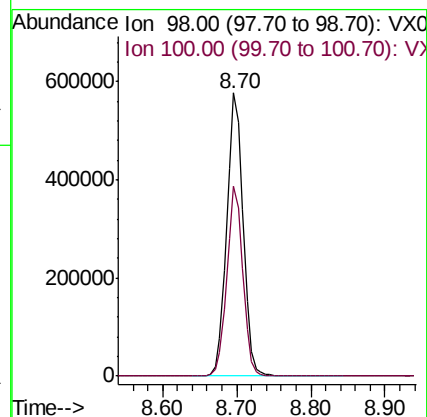
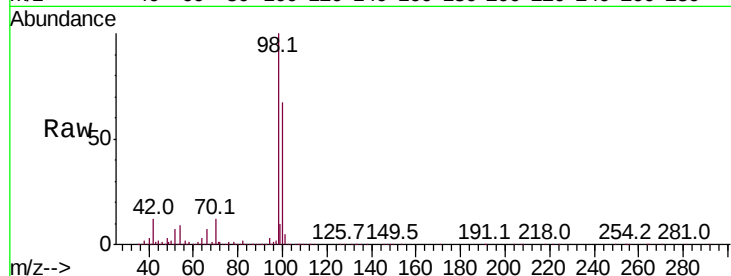
PB131314ZHE#11

Tot Ion: 98 Resp: 884002

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 18.239 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018195.D

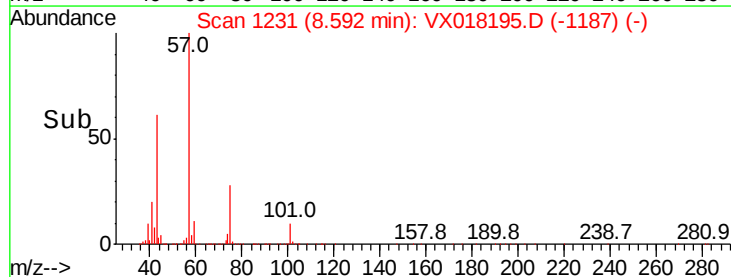
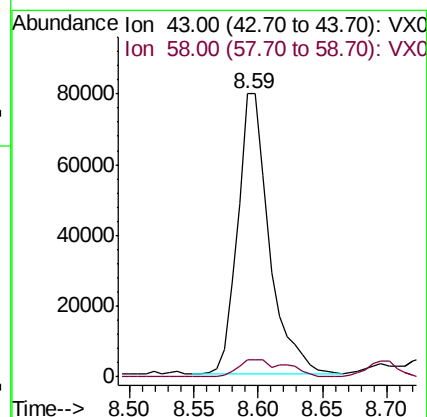
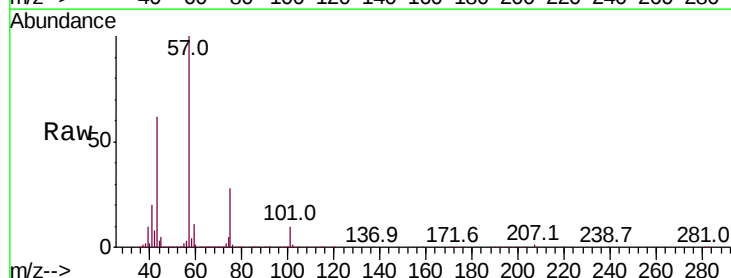
Acq: 01 Sep 2020 16:25

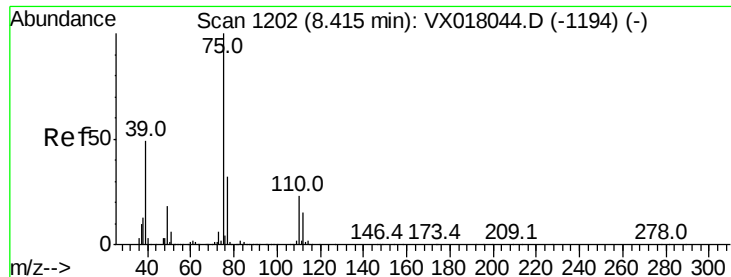
Tgt Ion: 43 Resp: 136286

Ion Ratio Lower Upper

43 100

58 9.8 30.7 46.1#



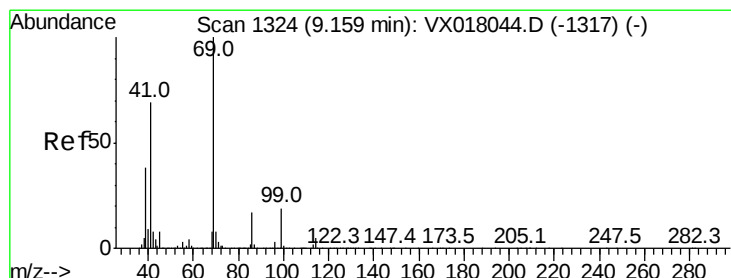
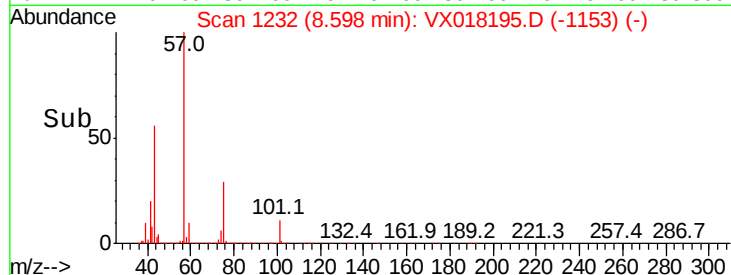
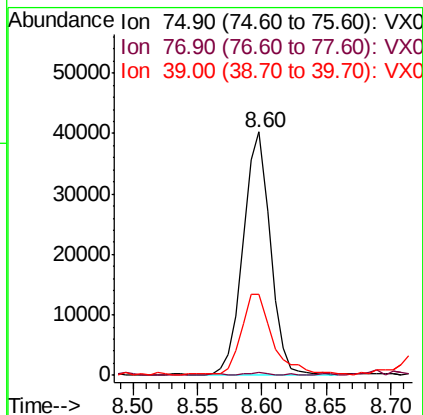
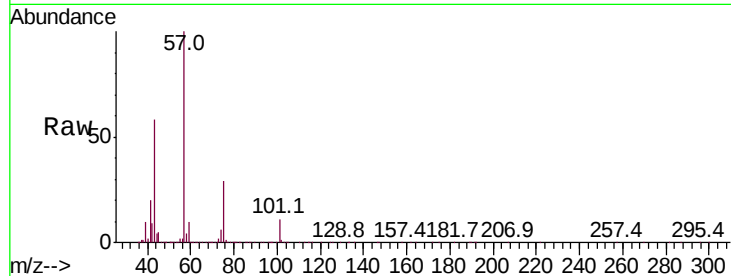


#54

cis-1,3-Dichloropropene
 Concen: 6.948 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX018195.D
 Acq: 01 Sep 2020 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#11

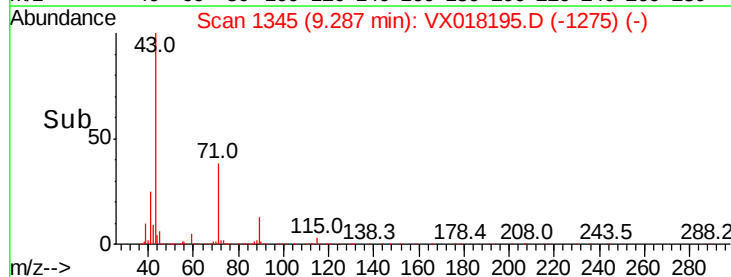
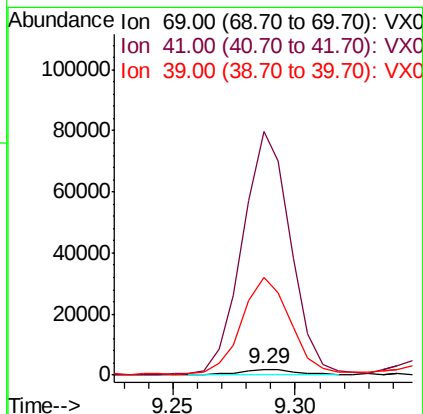
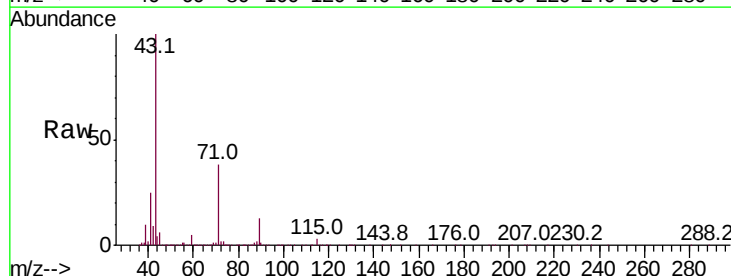
Tot Ion: 75 Resp: 58492
 Ion Ratio Lower Upper
 75 100
 77 1.1 25.8 38.8#
 39 33.0 38.8 58.2#

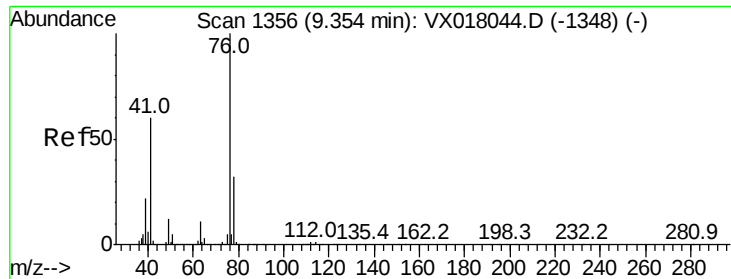


#56

Ethyl methacrylate
 Concen: 0.390 ug/l
 RT: 9.29 min Scan# 1345
 Delta R.T. 0.13 min
 Lab File: VX018195.D
 Acq: 01 Sep 2020 16:25

Tgt Ion: 69 Resp: 2969
 Ion Ratio Lower Upper
 69 100
 41 3675.5 54.6 81.8#
 39 1487.5 29.1 43.7#





#57

1,3-Dichloropropane

Concen: 1.230 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

Instrument :

MSVOA_X

ClientSampleId :

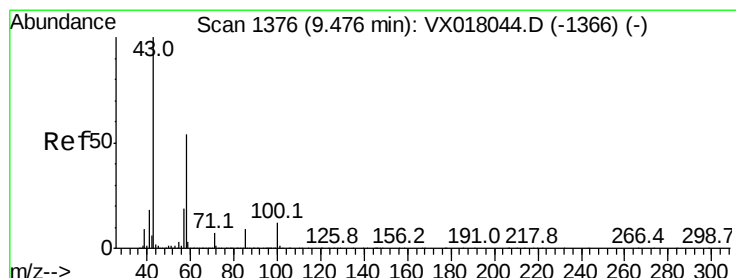
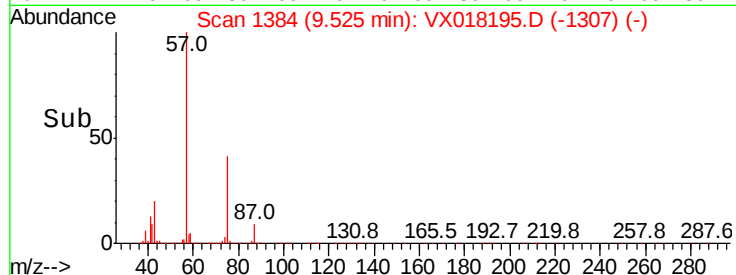
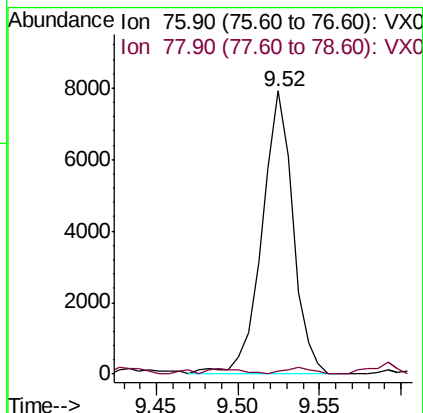
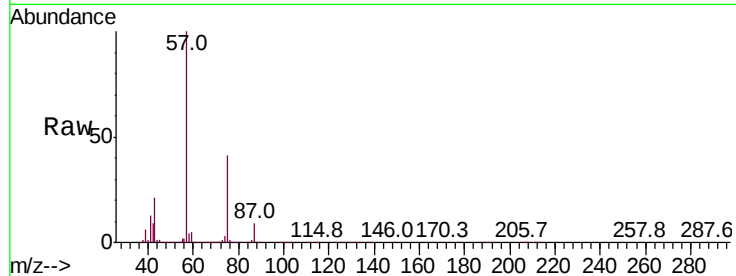
PB131314ZHE#11

Tot Ion: 76 Resp: 10399

Ion Ratio Lower Upper

76 100

78 2.2 25.8 38.6#



#59

2-Hexanone

Concen: 26.108 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX018195.D

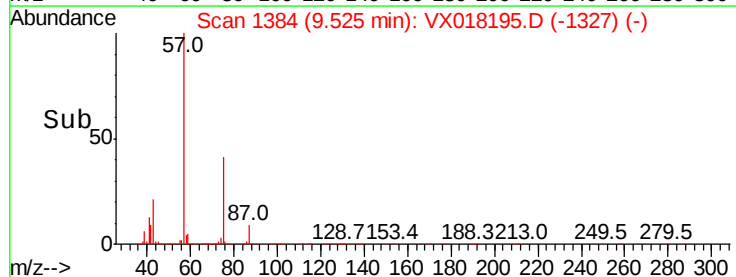
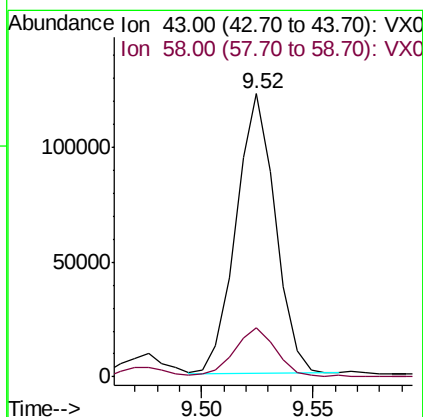
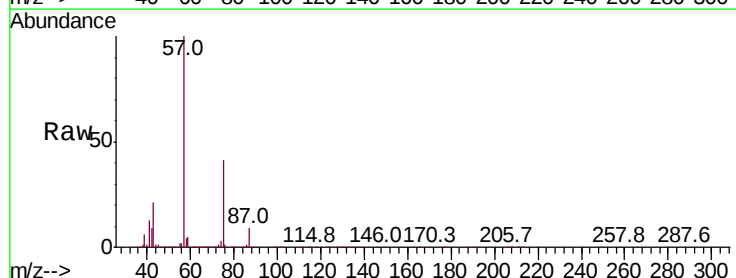
Acq: 01 Sep 2020 16:25

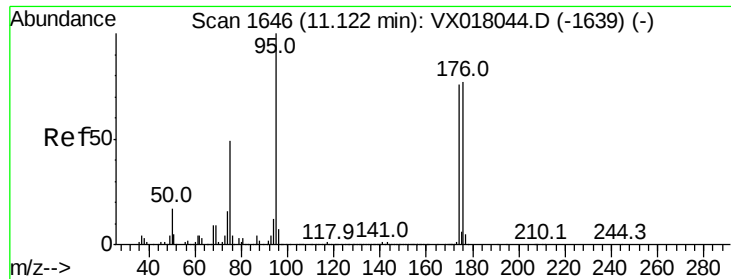
Tgt Ion: 43 Resp: 148341

Ion Ratio Lower Upper

43 100

58 18.9 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 47.585 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#11

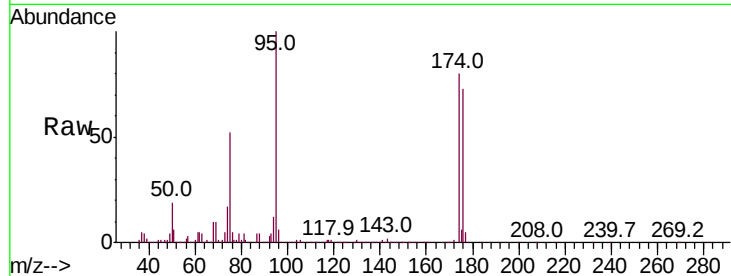
Tot Ion: 95 Resp: 332013

Ion Ratio Lower Upper

95 100

174 80.0 0.0 160.2

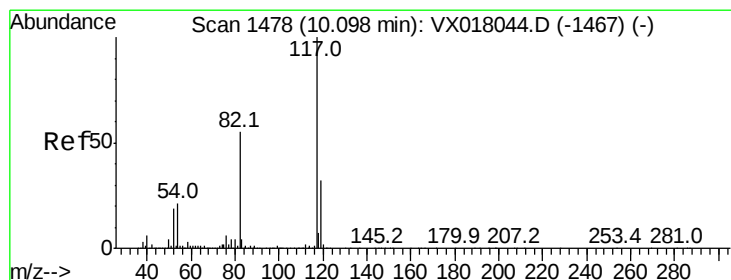
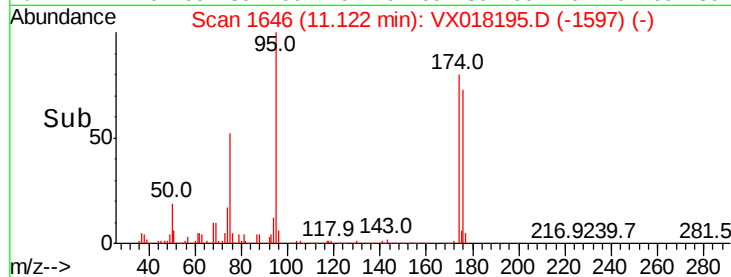
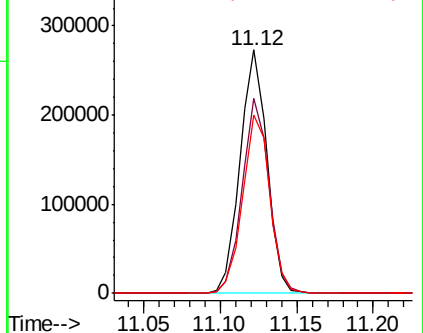
176 74.3 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

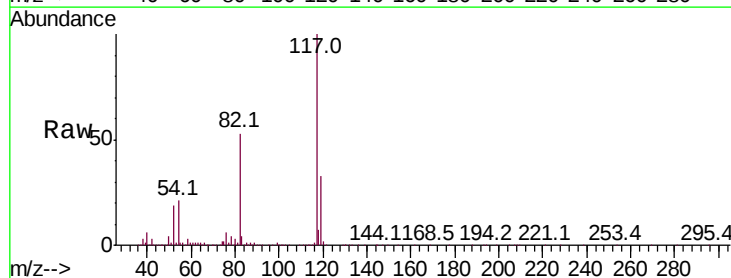
Tgt Ion: 117 Resp: 695424

Ion Ratio Lower Upper

117 100

82 52.7 44.2 66.2

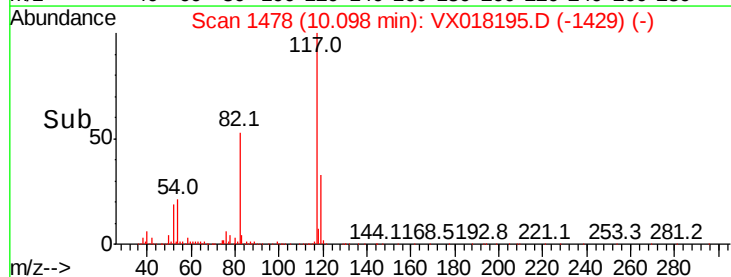
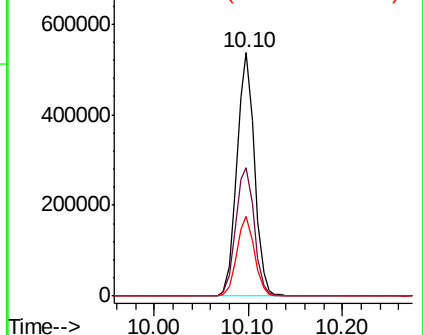
119 32.6 25.7 38.5

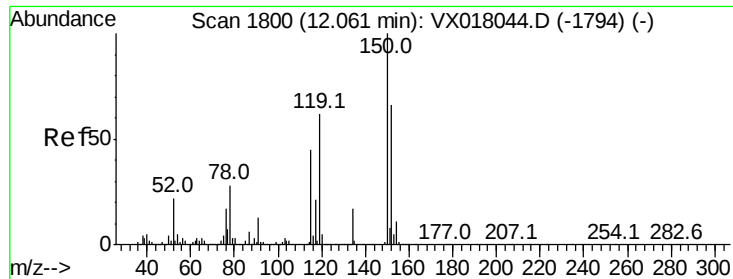


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#11

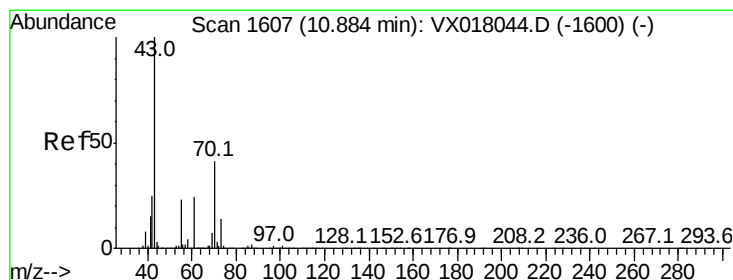
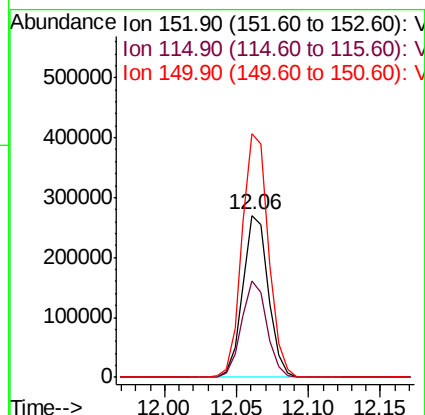
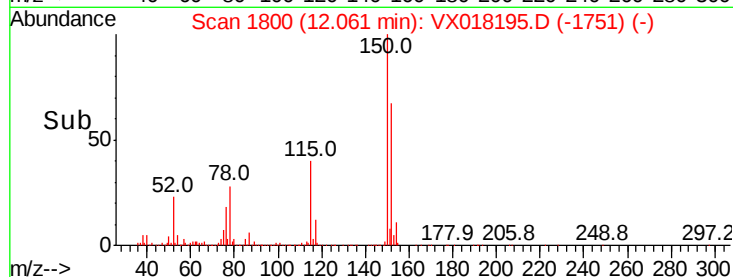
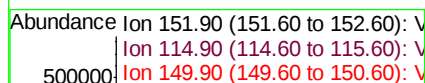
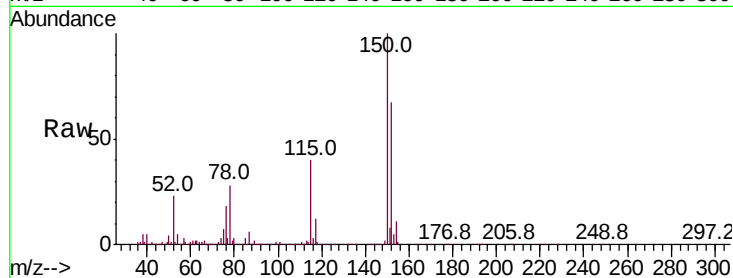
Tot Ion:152 Resp: 332034

Ion Ratio Lower Upper

152 100

115 59.1 41.5 124.5

150 155.9 0.0 343.8



#74

N-ethyl acetate

Concen: 1.050 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

Tgt Ion: 43 Resp: 10909

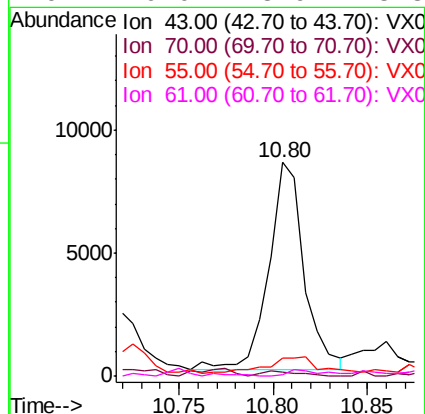
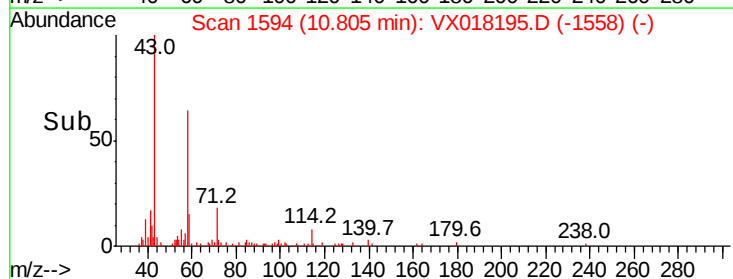
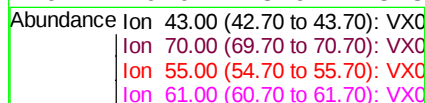
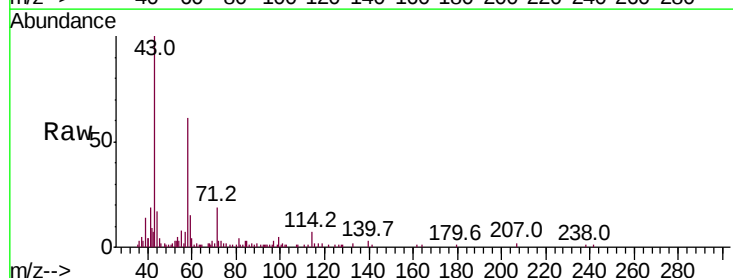
Ion Ratio Lower Upper

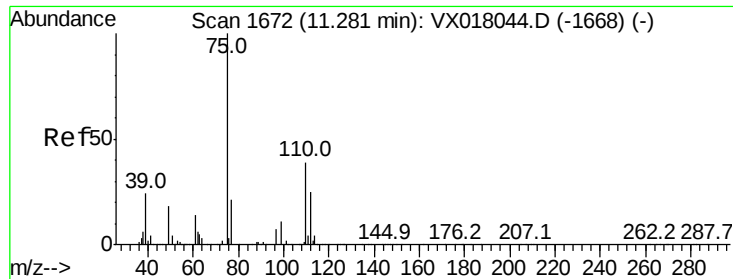
43 100

70 2.6 32.3 48.5#

55 12.1 18.2 27.2#

61 0.0 18.9 28.3#

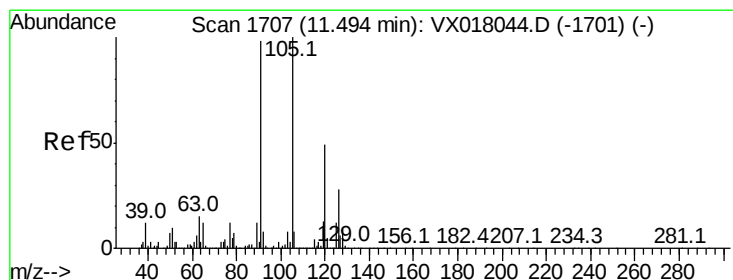
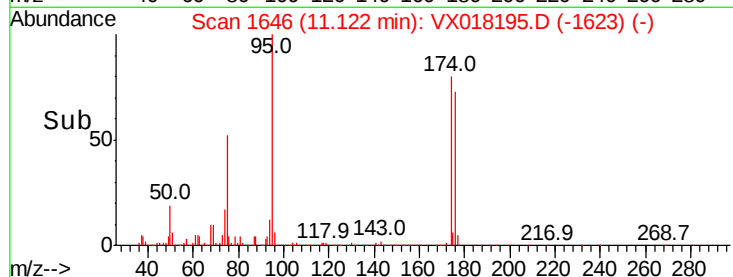
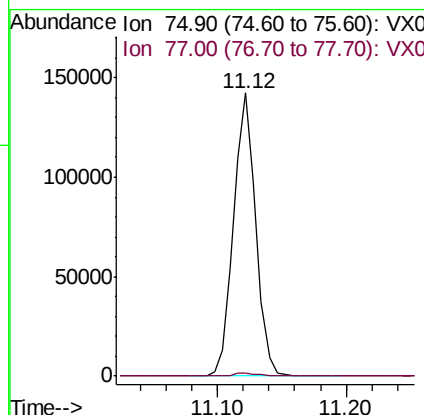
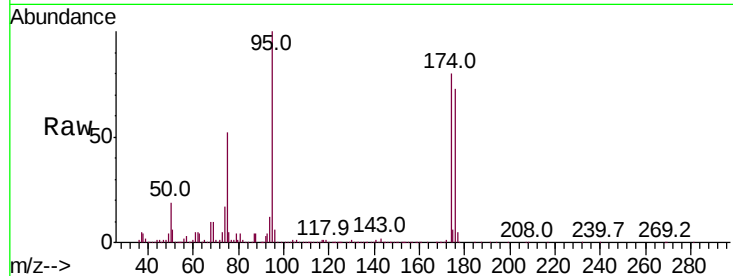




#76
 1,2,3-Trichloropropane
 Concen: 23.327 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018195.D
 Acq: 01 Sep 2020 16:25

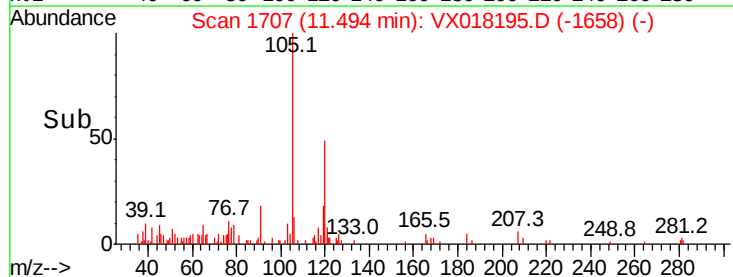
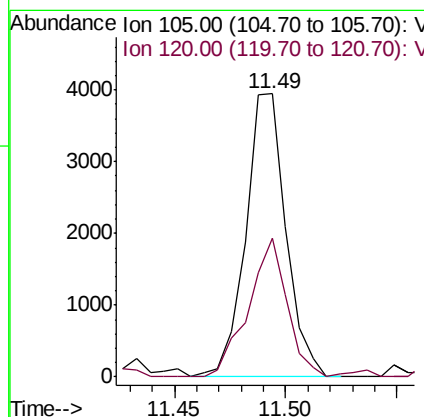
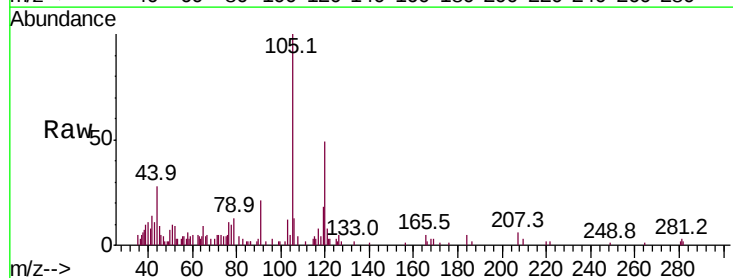
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#11

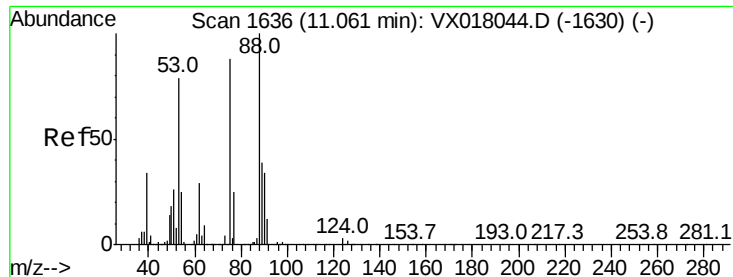
Tot Ion: 75 Resp: 172299
 Ion Ratio Lower Upper
 75 100
 77 1.5 20.8 62.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.276 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX018195.D
 Acq: 01 Sep 2020 16:25

Tgt Ion:105 Resp: 4971
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 63.003 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018195.D

Acq: 01 Sep 2020 16:25

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#11

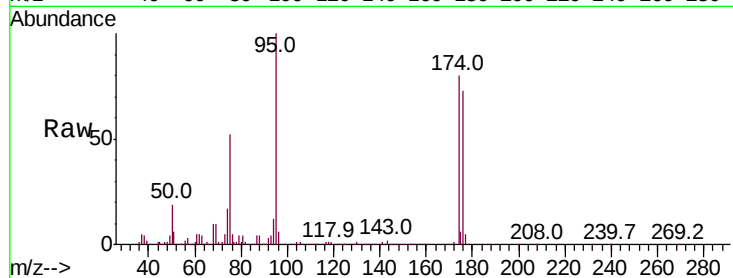
Tot Ion: 75 Resp: 172299

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

