

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018280.D
 Acq On : 08 Sep 2020 17:11
 Operator : JC/SP
 Sample : PB131451ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451ZHE#01

Quant Time: Sep 09 01:23:21 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	451882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	727715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	741945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	374107	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	322182	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
35) Dibromofluoromethane	5.47	113	253477	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
50) Toluene-d8	8.70	98	927076	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.12	95	357404	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	

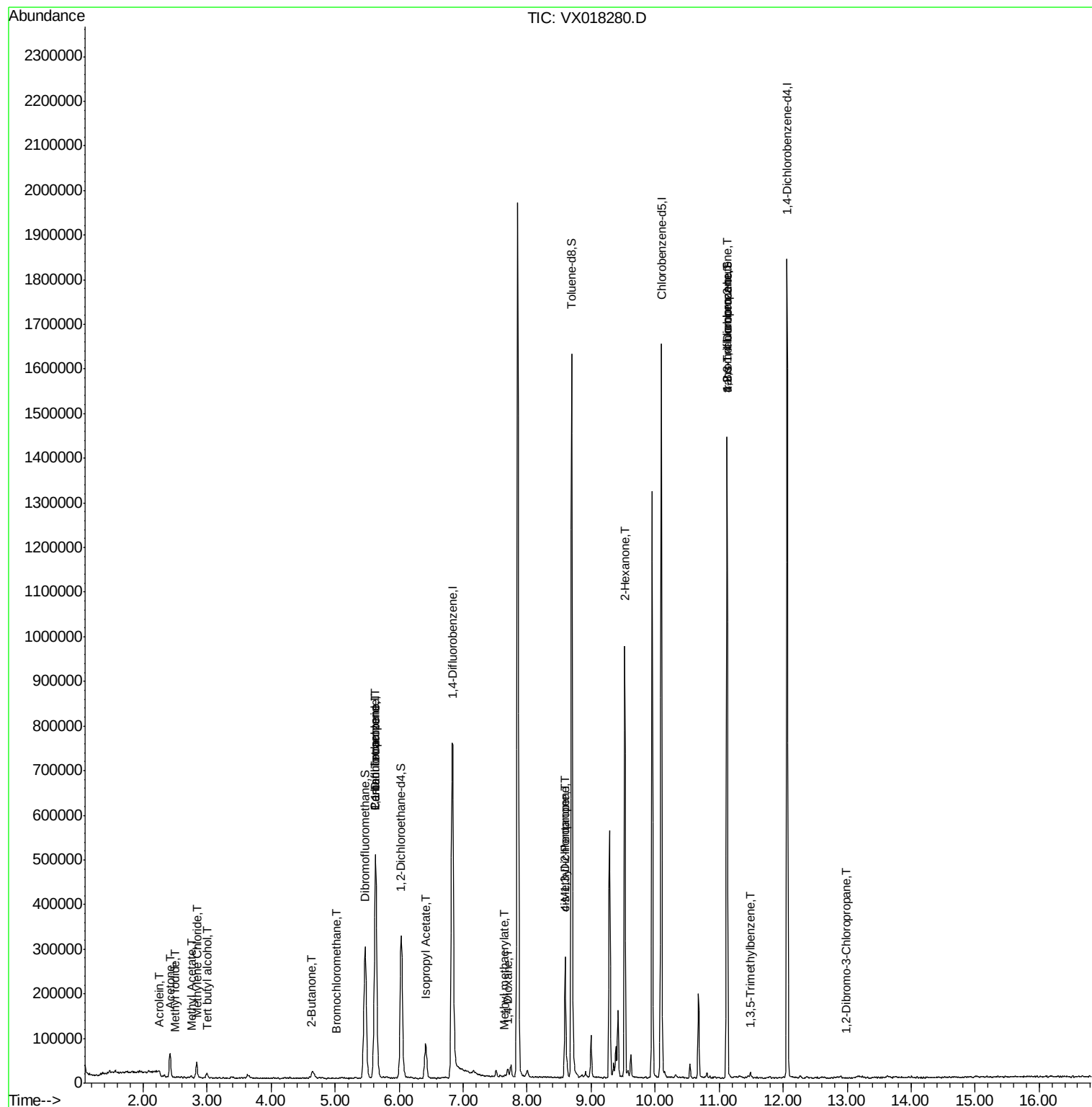
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	254	5.336	ug/l #	57
11) Tert butyl alcohol	3.01	59	7380	6.050	ug/l #	75
13) Acrolein	2.25	56	658	1.301	ug/l	84
16) Acetone	2.42	43	59383	24.293	ug/l #	88
18) Methyl Acetate	2.75	43	7139	1.210	ug/l #	84
20) Methylene Chloride	2.84	84	16479	2.180	ug/l	96
25) 2-Butanone	4.64	43	8638	2.150	ug/l #	62
28) Bromochloromethane	5.01	49	928	0.216	ug/l #	11
36) 1,1-Dichloropropene	5.63	75	34927	5.204	ug/l #	52
38) Carbon Tetrachloride	5.63	117	47794	6.318	ug/l #	16
43) Isopropyl Acetate	6.42	43	104480	8.298	ug/l	98
48) Methyl methacrylate	7.65	41	6209	0.991	ug/l #	20
49) 1,4-Dioxane	7.70	88	173	1.524	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	103791	13.344	ug/l #	45
54) cis-1,3-Dichloropropene	8.60	75	40426	4.613	ug/l #	62
59) 2-Hexanone	9.52	43	109236	18.470	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	182813	21.967	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	4781	0.236	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.12	75	182813	59.329	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	458	0.210	ug/l #	10

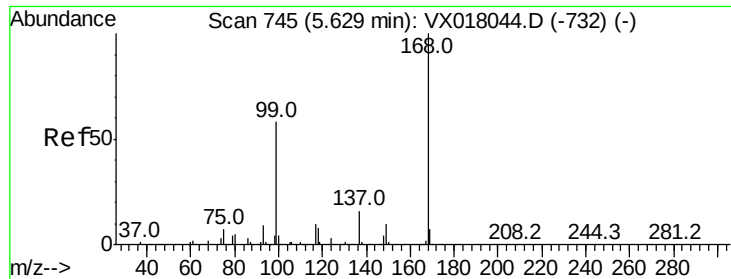
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018280.D

Acq: 08 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

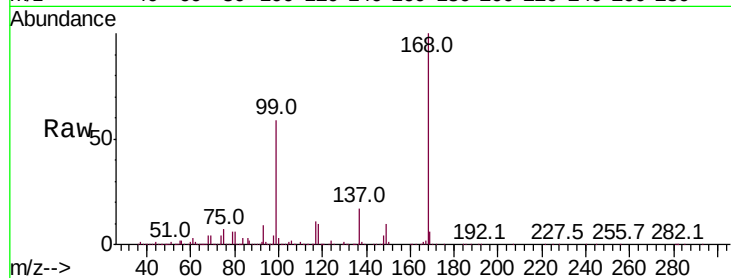
PB131451ZHE#01

Tot Ion:168 Resp: 451882

Ion Ratio Lower Upper

168 100

99 59.3 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

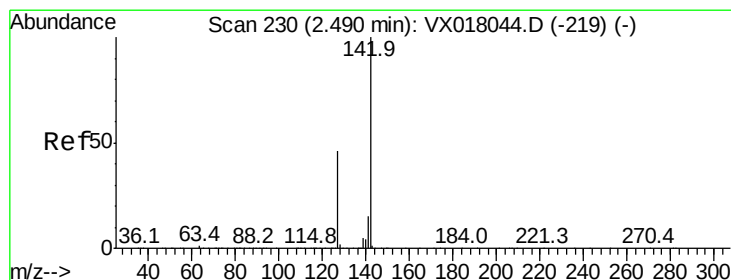
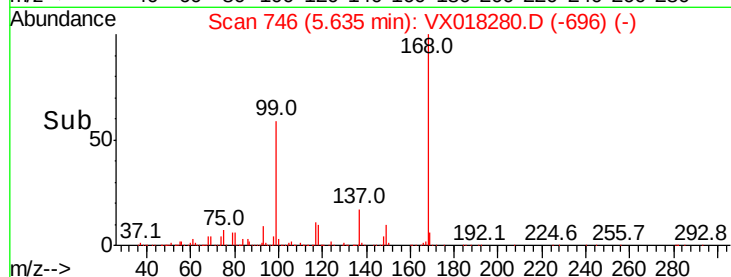
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 5.336 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018280.D

Acq: 08 Sep 2020 17:11

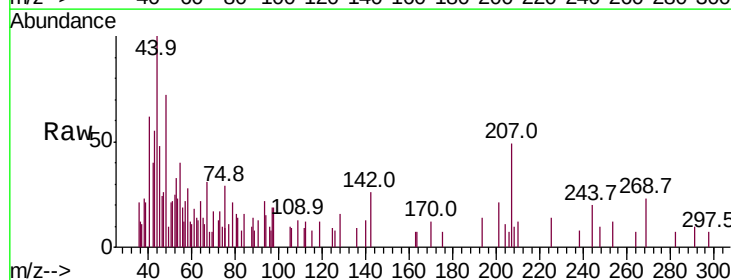
Tgt Ion:142 Resp: 254

Ion Ratio Lower Upper

142 100

127 15.7 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

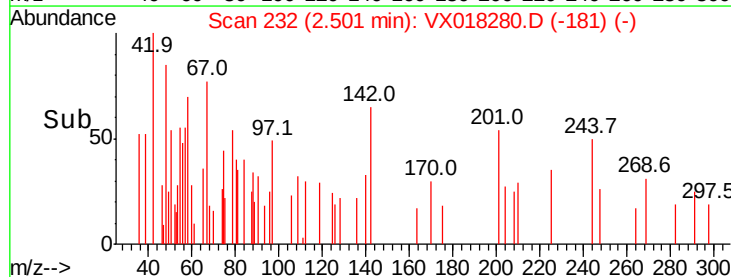
200

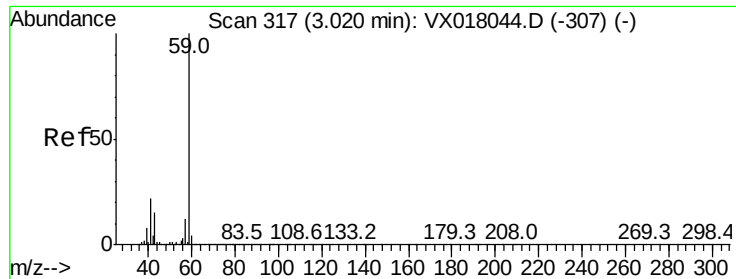
100

0

Time-->

2.48 2.50 2.52



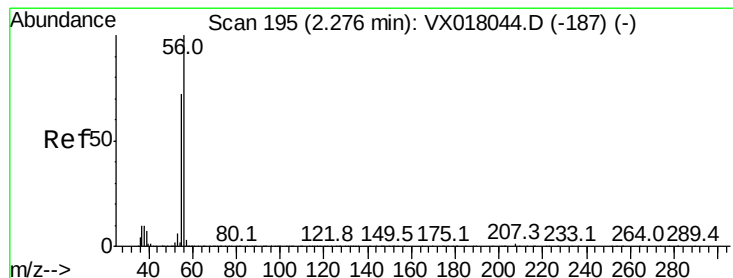
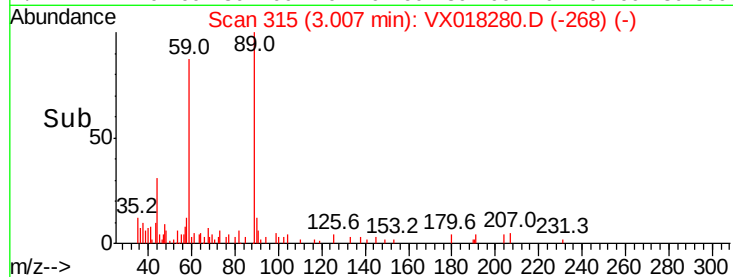
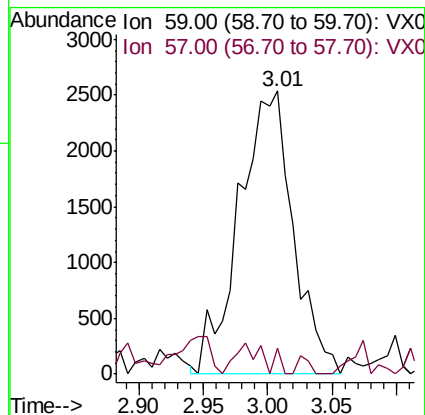
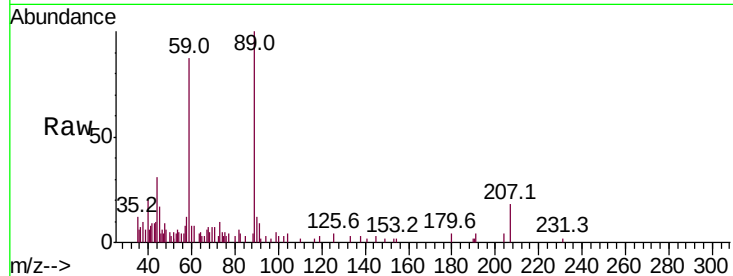


#11

Tert butyl alcohol
Concen: 6.050 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018280.D
Acq: 08 Sep 2020 17:11

Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#01

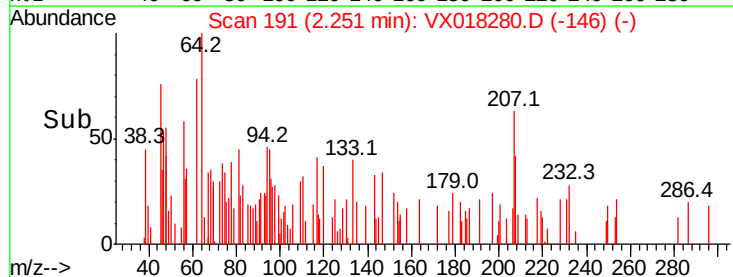
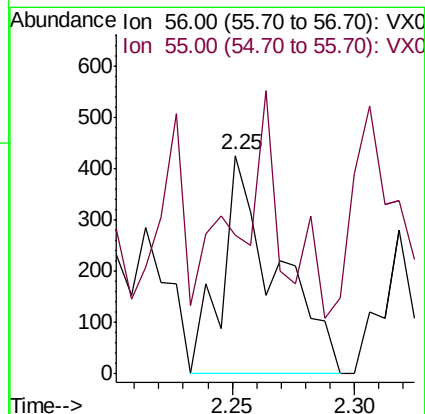
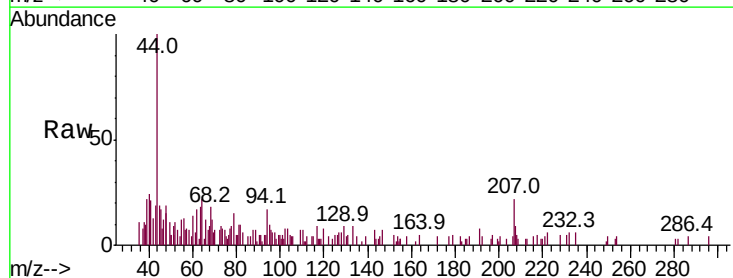
Tot Ion: 59 Resp: 7380
Ion Ratio Lower Upper
59 100
57 1.4 8.9 13.3#

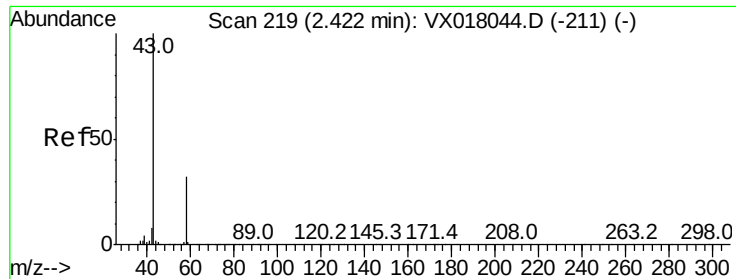


#13

Acrolein
Concen: 1.301 ug/l
RT: 2.25 min Scan# 191
Delta R.T. -0.02 min
Lab File: VX018280.D
Acq: 08 Sep 2020 17:11

Tgt Ion: 56 Resp: 658
Ion Ratio Lower Upper
56 100
55 57.8 57.0 85.6





#16

Acetone

Concen: 24.293 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018280.D

Acq: 08 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

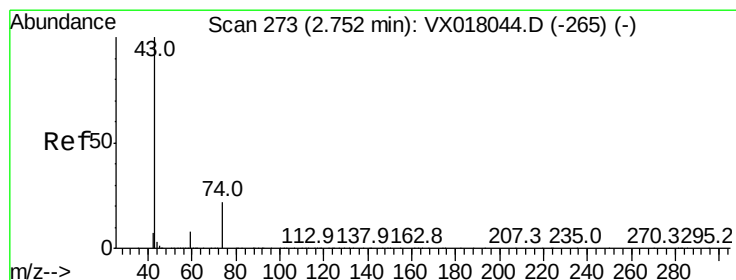
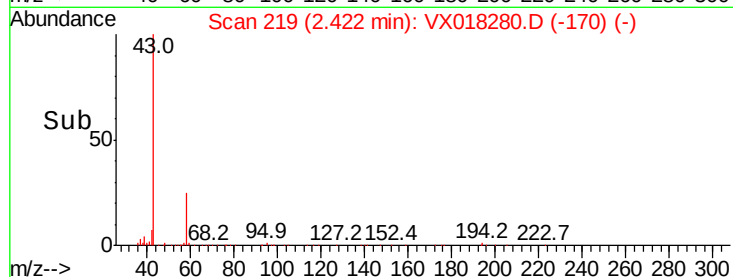
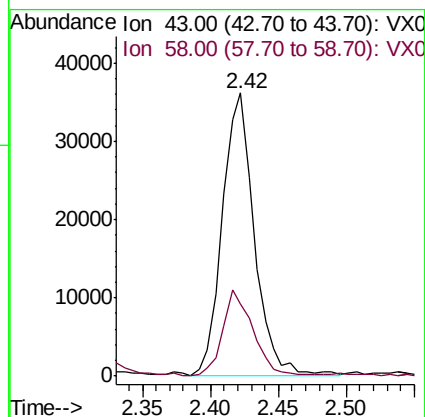
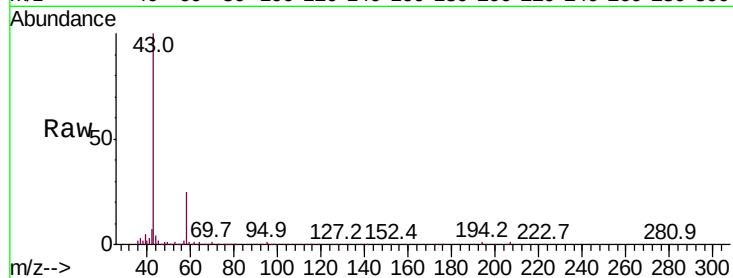
PB131451ZHE#01

Tot Ion: 43 Resp: 59383

Ion Ratio Lower Upper

43 100

58 25.5 25.5 38.3#



#18

Methyl Acetate

Concen: 1.210 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018280.D

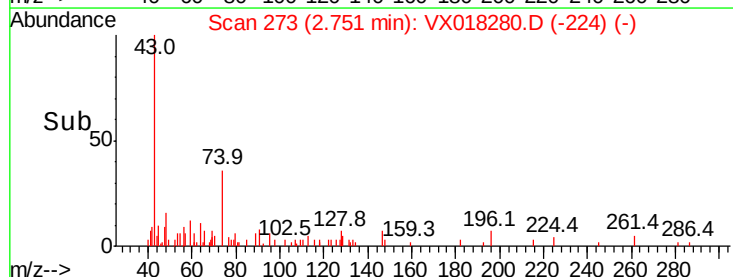
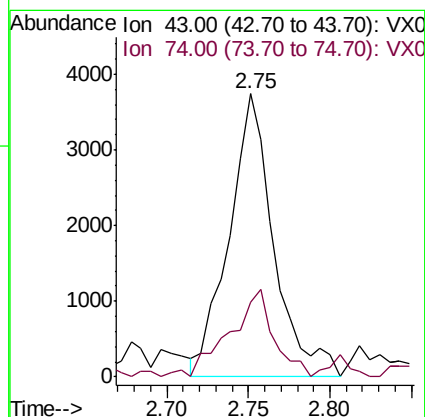
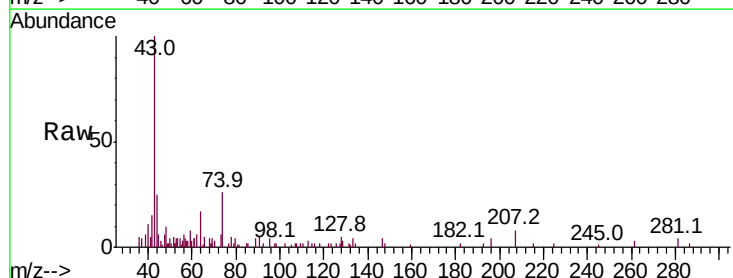
Acq: 08 Sep 2020 17:11

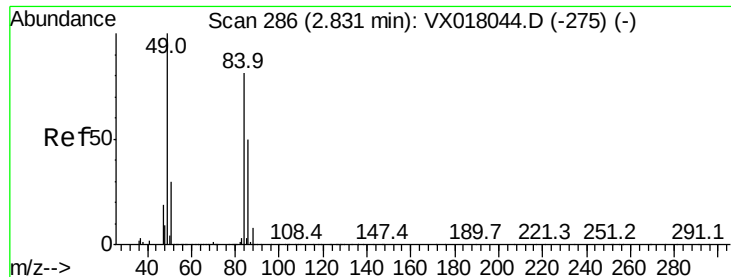
Tgt Ion: 43 Resp: 7139

Ion Ratio Lower Upper

43 100

74 30.6 18.2 27.4#

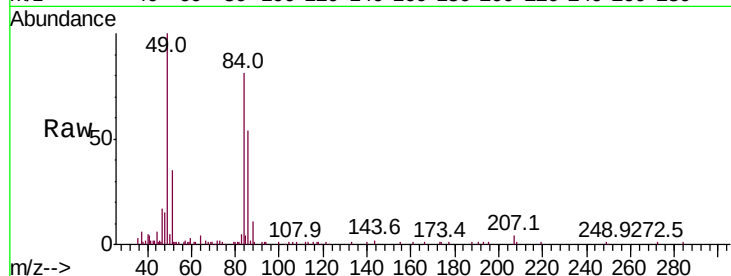




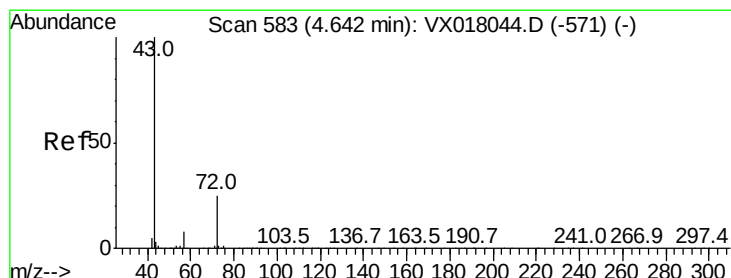
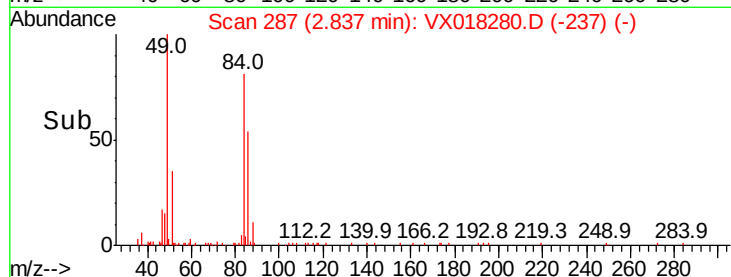
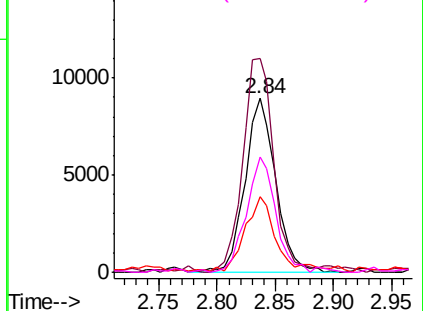
#20
Methvlene Chloride
Concen: 2.180 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018280.D
Acq: 08 Sep 2020 17:11

Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#01

Tot Ion:	84	Resp:	16479
Ion	Ratio	Lower	Upper
84	100		
49	120.6	98.6	148.0
51	43.0	29.6	44.4
86	66.1	49.8	74.6

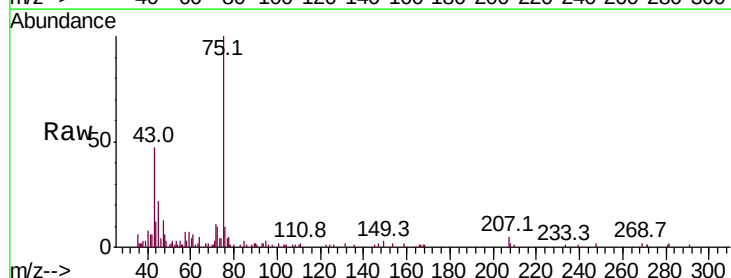


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

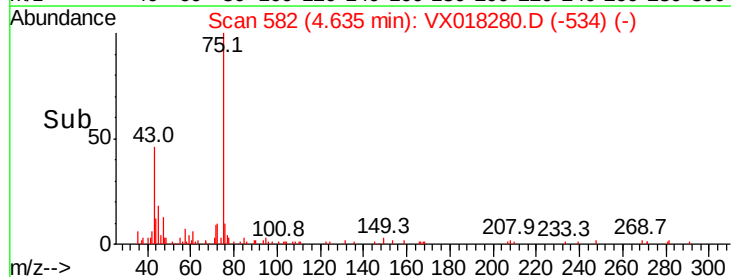
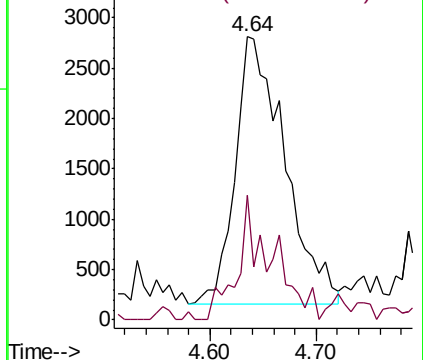


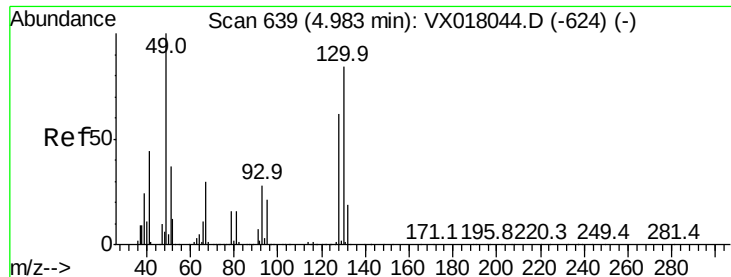
#25
2-Butanone
Concen: 2.150 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX018280.D
Acq: 08 Sep 2020 17:11

Tgt Ion:	43	Resp:	8638
Ion	Ratio	Lower	Upper
43	100		
72	43.6	19.8	29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

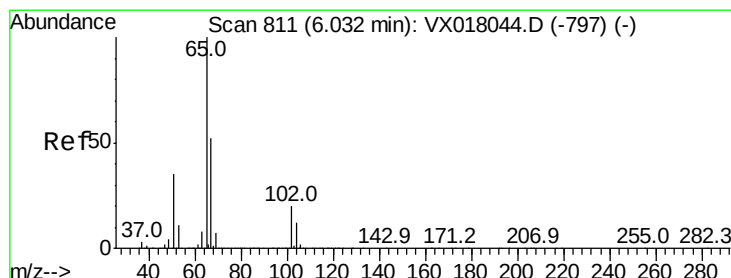
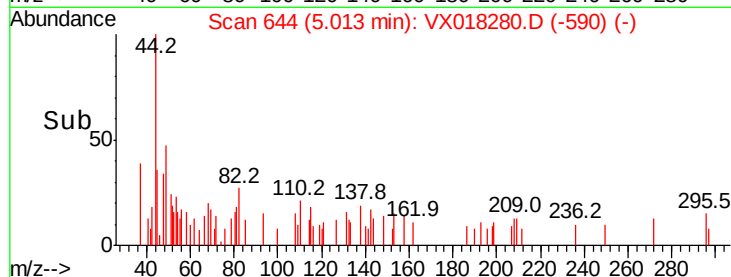
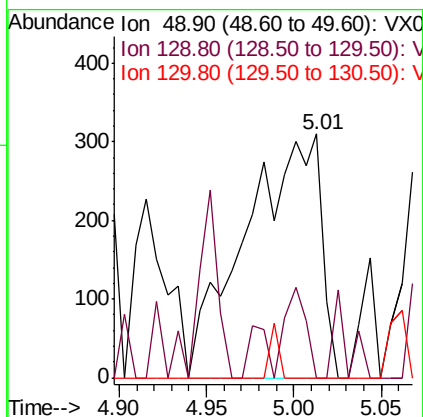
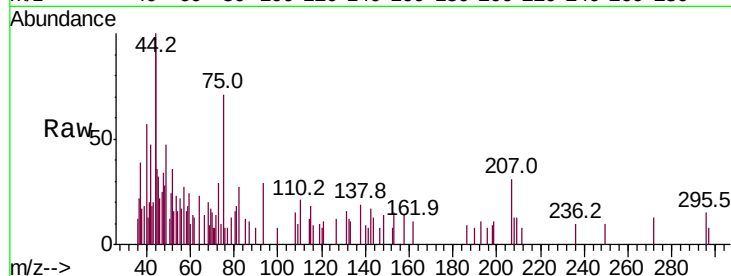




#28
Bromochloromethane
Concen: 0.216 ug/l
RT: 5.01 min Scan# 644
Delta R.T. 0.03 min
Lab File: VX018280.D
Acq: 08 Sep 2020 17:11

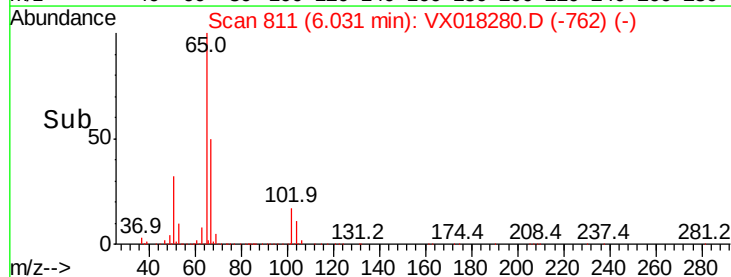
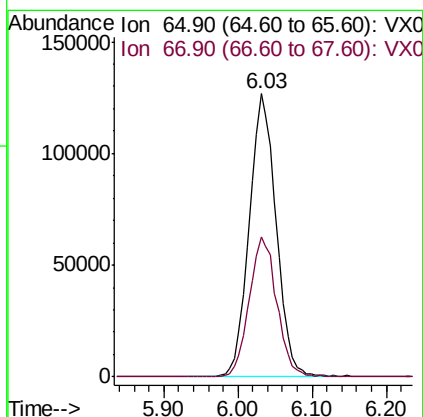
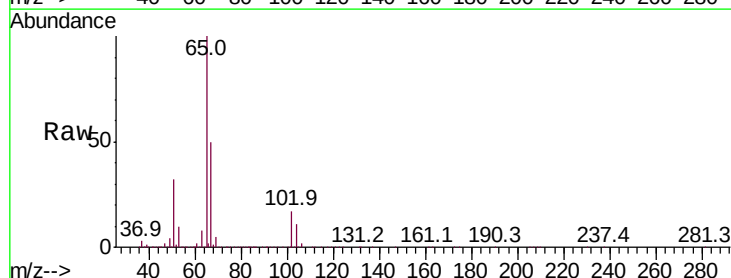
Instrument :
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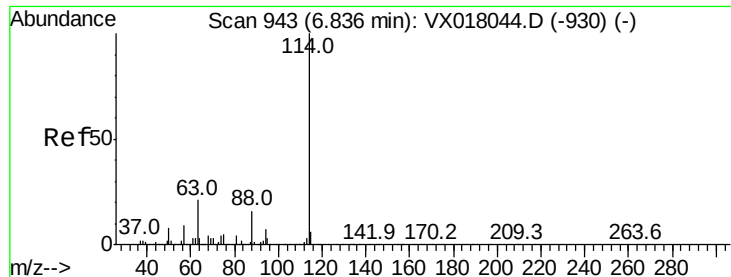
Tot Ion: 49 Resp: 928
Ion Ratio Lower Upper
49 100
129 6.8 0.0 4.6#
130 0.0 64.6 96.8#



#33
1,2-Dichloroethane-d4
Concen: 51.358 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018280.D
Acq: 08 Sep 2020 17:11

Tgt Ion: 65 Resp: 322182
Ion Ratio Lower Upper
65 100
67 50.1 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: VX018280.D

Acq: 08 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#01

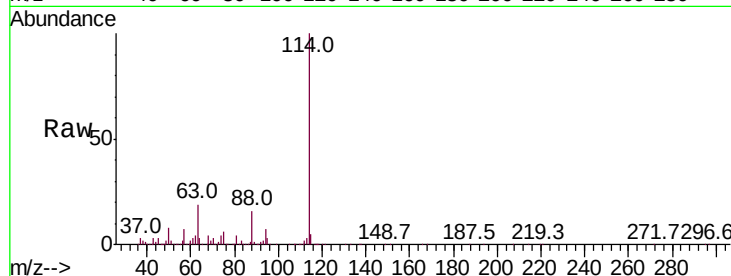
Tot Ion:114 Resp: 727715

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

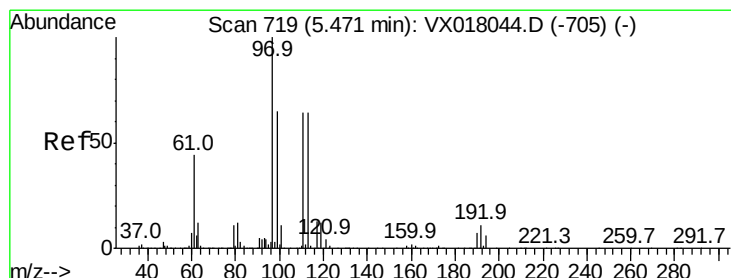
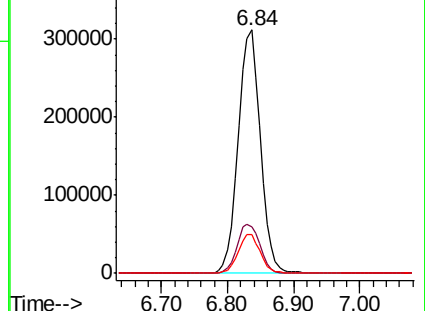
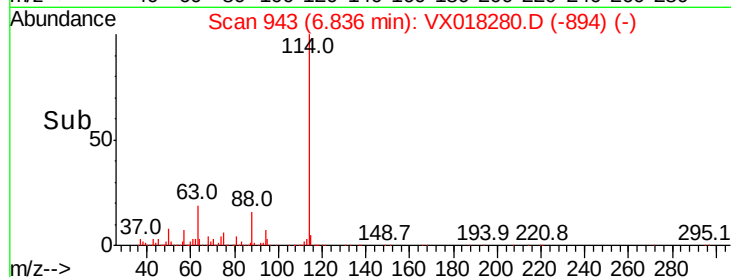
88 15.8 0.0 31.8



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: 51.145 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018280.D

Acq: 08 Sep 2020 17:11

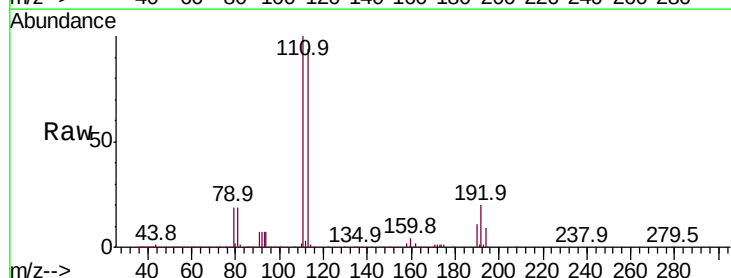
Tgt Ion:113 Resp: 253477

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

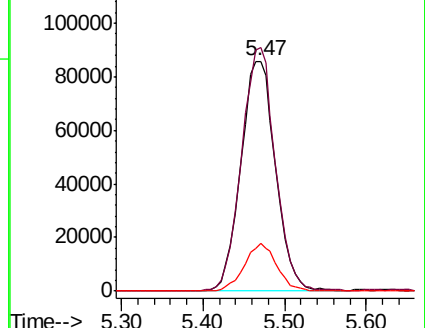
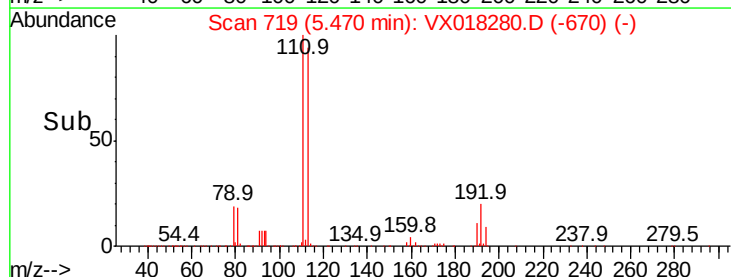
192 19.4 15.8 23.8

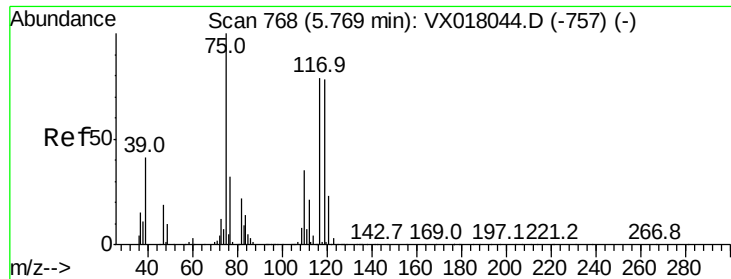


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.204 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

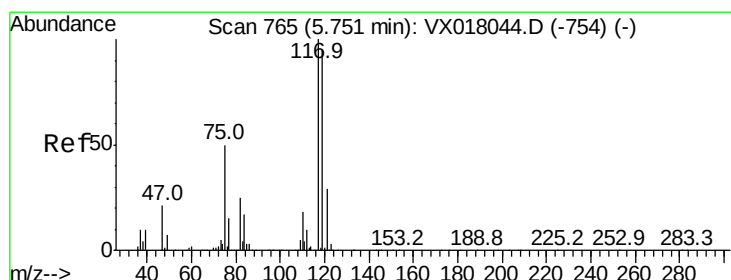
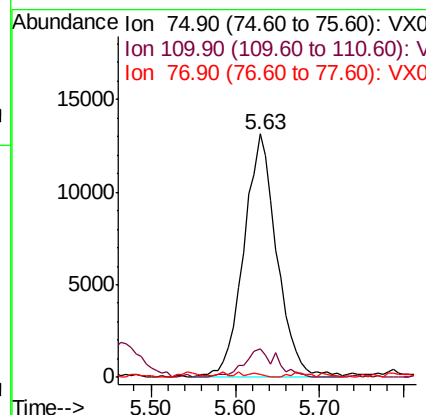
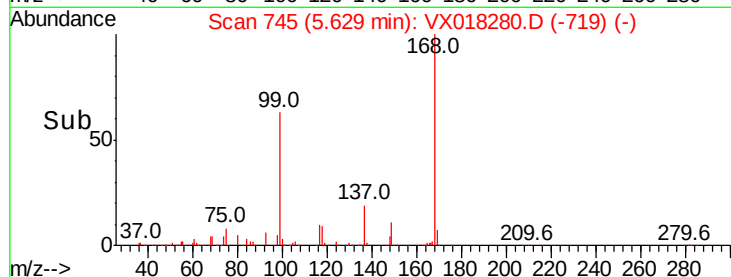
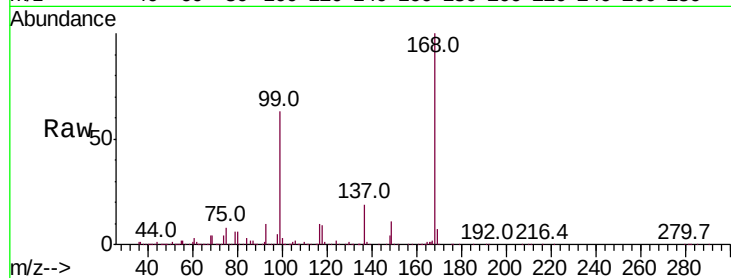
Lab File: VX018280.D

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Instrument :
MSVOA_X
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PB131451ZHE#01

Tot Ion: 75 Resp: 34927

Ion	Ratio	Lower	Upper
75	100		
110	11.8	18.0	54.0#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.318 ug/l

RT: 5.63 min Scan# 746

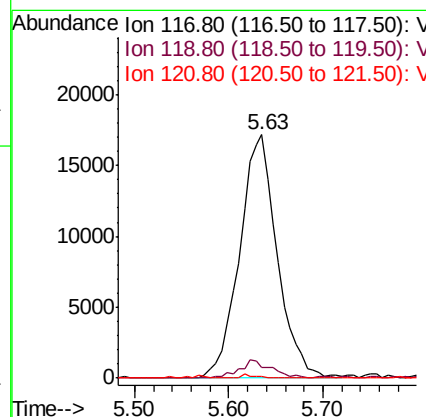
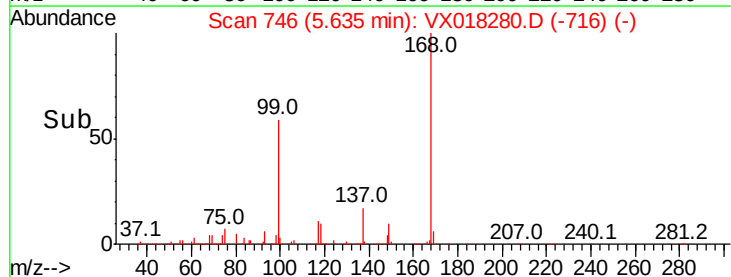
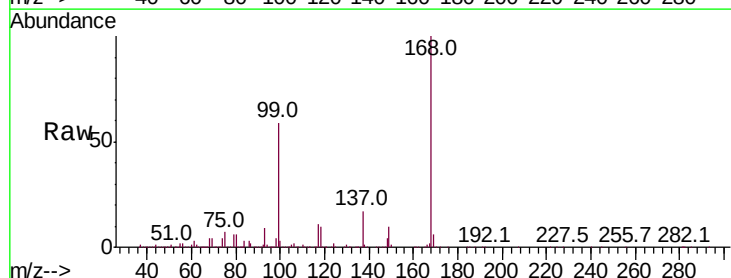
Delta R.T. -0.12 min

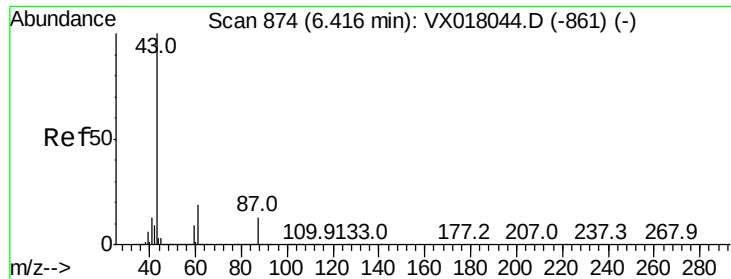
Lab File: VX018280.D

Acq: 08 Sep 2020 17:11

Tgt Ion: 117 Resp: 47794

Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.8	113.6#
121	0.5	23.4	35.0#





#43

Isopropyl Acetate

Concen: 8.298 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018280.D

Acq: 08 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#01

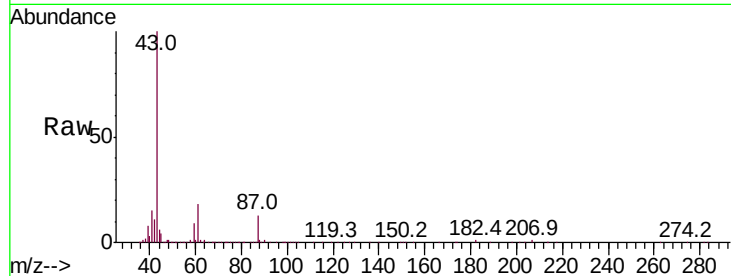
Tot Ion: 43 Resp: 104480

Ion Ratio Lower Upper

43 100

61 19.0 15.7 23.5

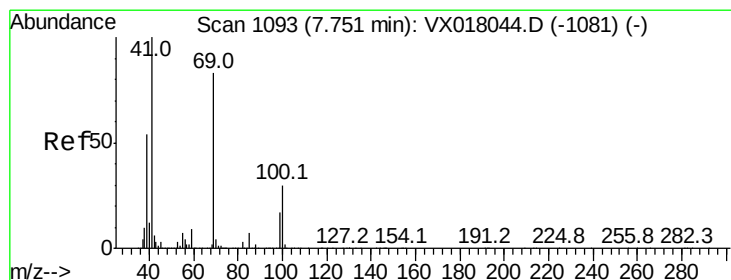
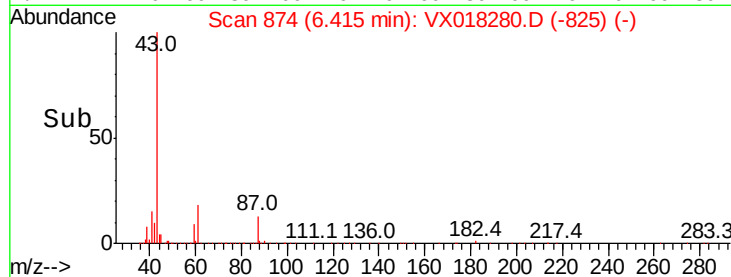
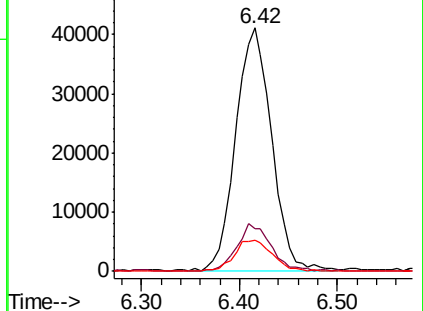
87 13.7 10.3 15.5



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: 0.991 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. -0.10 min

Lab File: VX018280.D

Acq: 08 Sep 2020 17:11

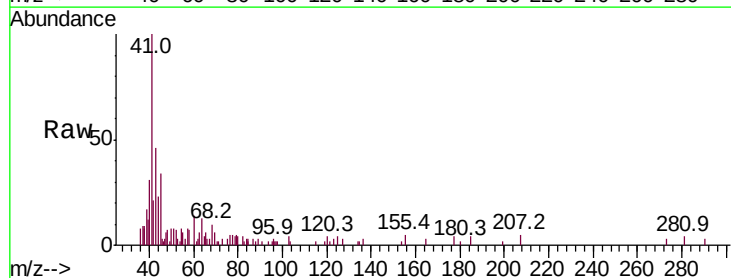
Tgt Ion: 41 Resp: 6209

Ion Ratio Lower Upper

41 100

69 7.9 65.5 98.3#

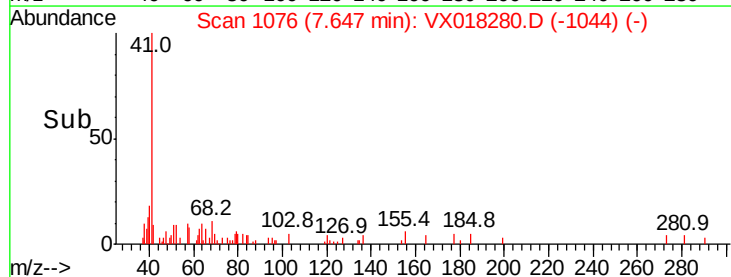
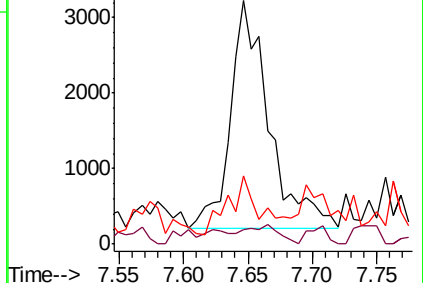
39 0.0 44.5 66.7#

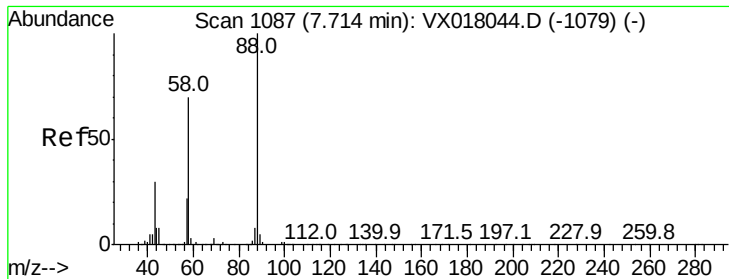


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1.524 ug/l

RT: 7.70 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VX018280.D

Acq: 08 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#01

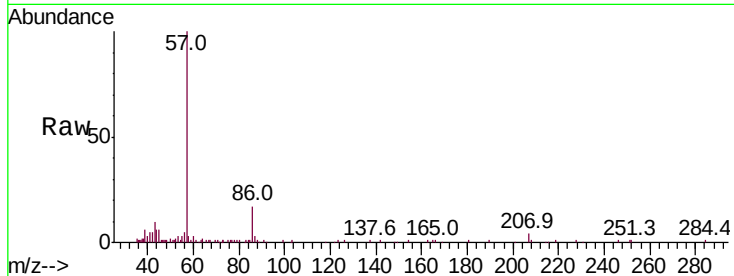
Tot Ion: 88 Resp: 173

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

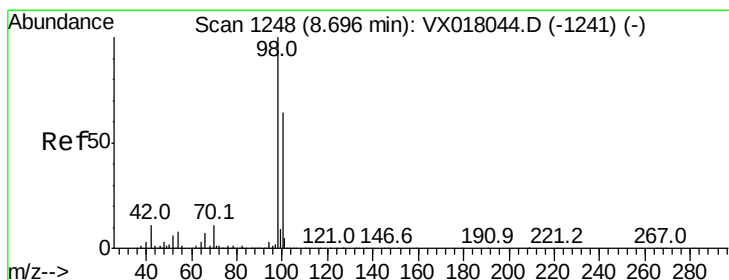
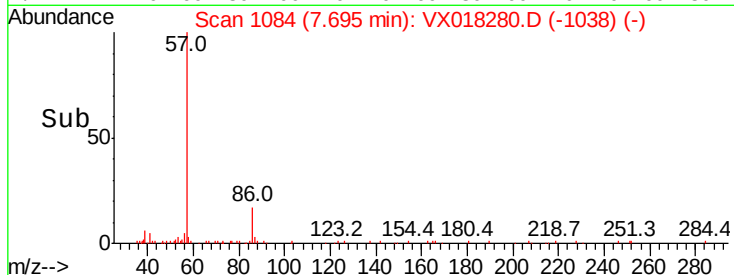
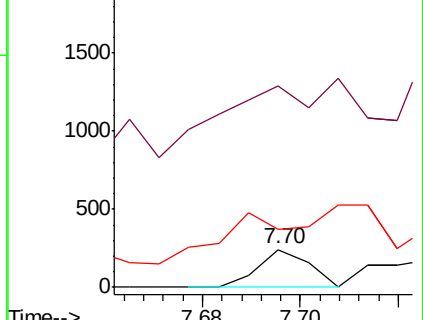
58 522.5 56.4 84.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.223 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018280.D

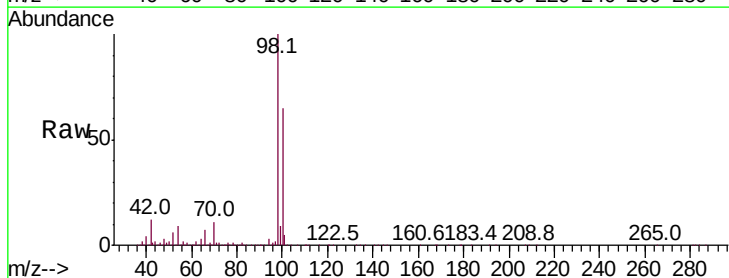
Acq: 08 Sep 2020 17:11

Tgt Ion: 98 Resp: 927076

Ion Ratio Lower Upper

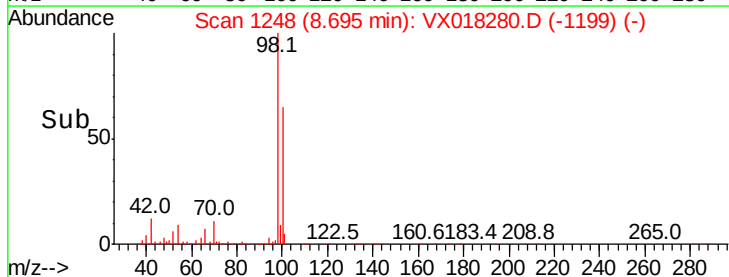
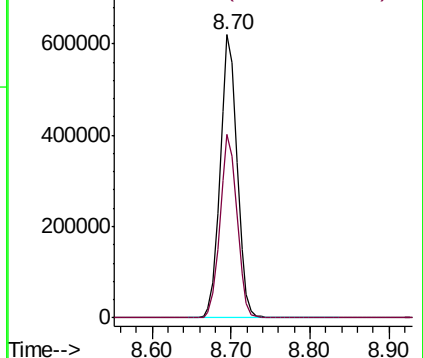
98 100

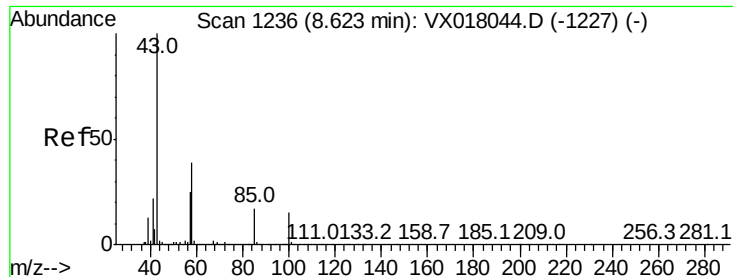
100 64.7 52.2 78.4



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: 13.344 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX018280.D

Acq: 08 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

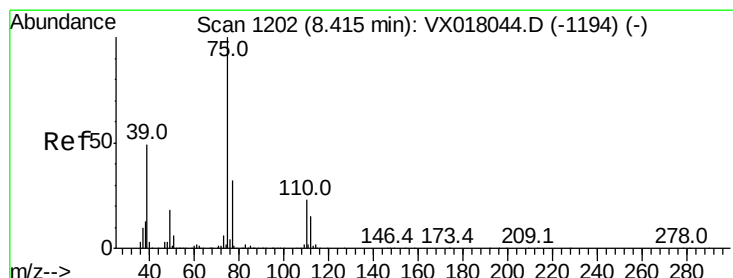
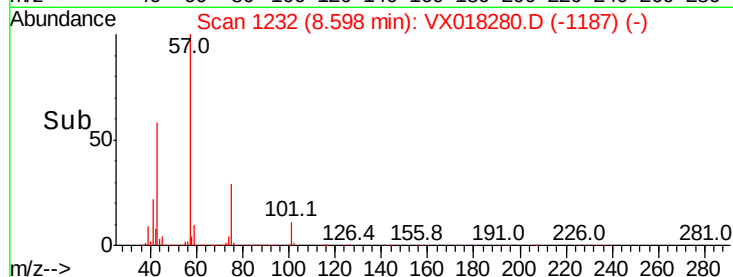
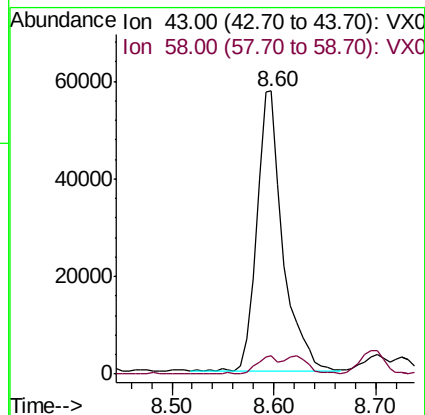
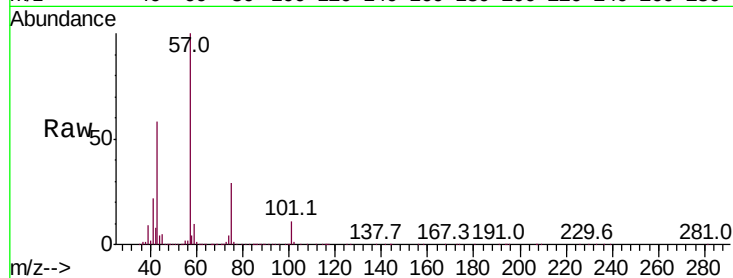
PB131451ZHE#01

Tot Ion: 43 Resp: 103791

Ion Ratio Lower Upper

43 100

58 5.3 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 4.613 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018280.D

Acq: 08 Sep 2020 17:11

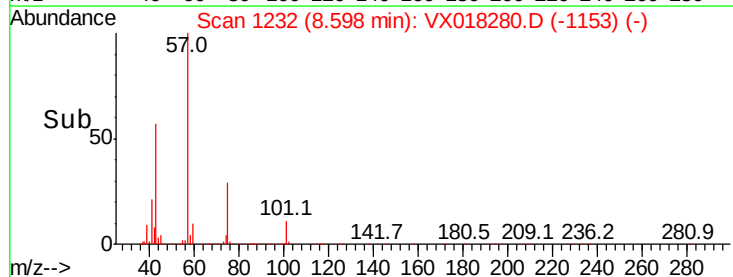
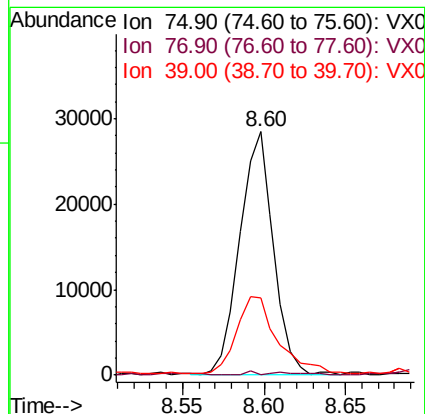
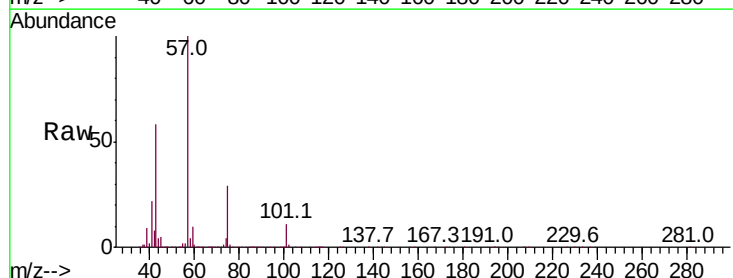
Tgt Ion: 75 Resp: 40426

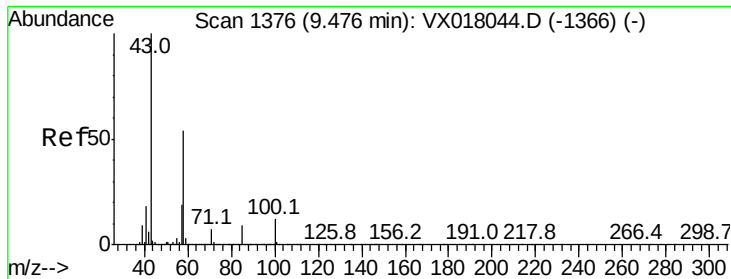
Ion Ratio Lower Upper

75 100

77 0.2 25.8 38.8#

39 31.2 38.8 58.2#

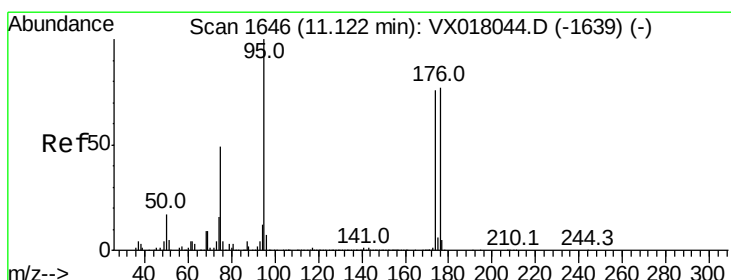
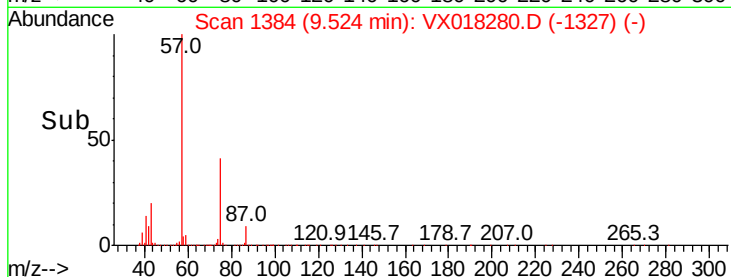
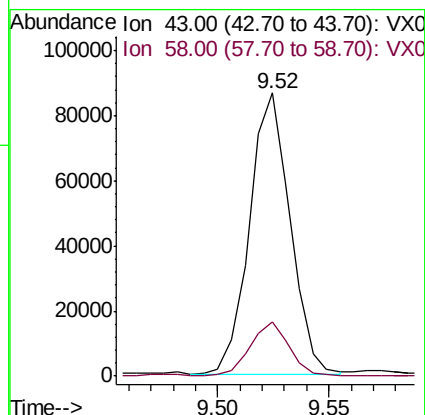
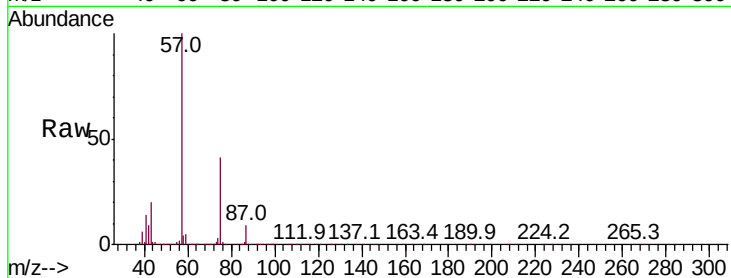




#59
2-Hexanone
Concen: 18.470 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX018280.D
Acq: 08 Sep 2020 17:11

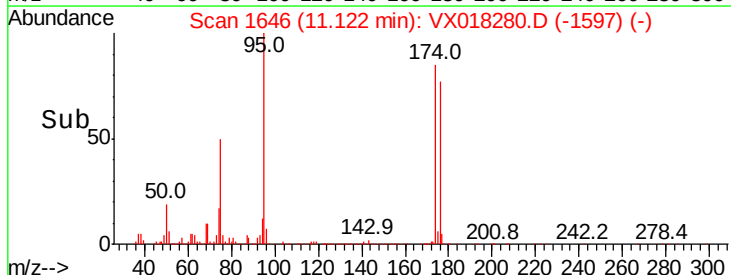
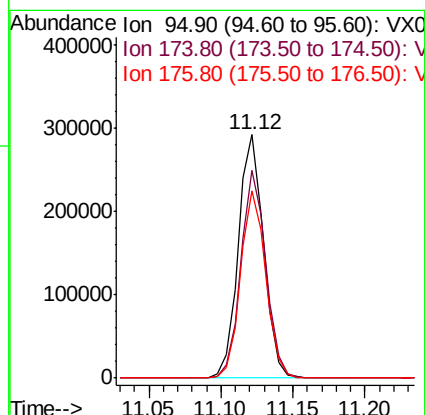
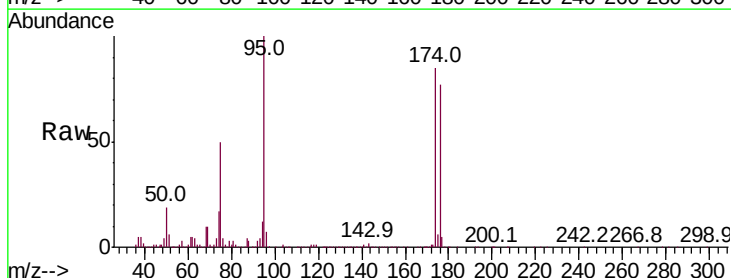
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#01

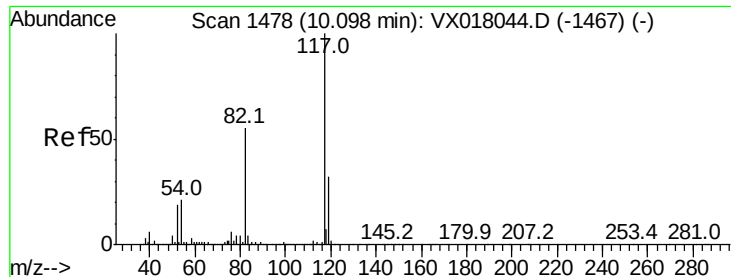
Tot Ion: 43 Resp: 109236
Ion Ratio Lower Upper
43 100
58 18.8 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018280.D
Acq: 08 Sep 2020 17:11

Tgt Ion: 95 Resp: 357404
Ion Ratio Lower Upper
95 100
174 84.0 0.0 160.2
176 76.3 0.0 155.8

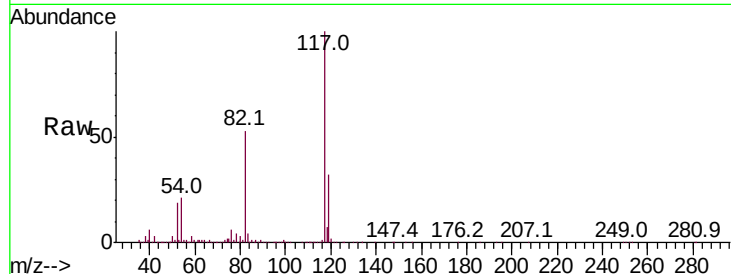




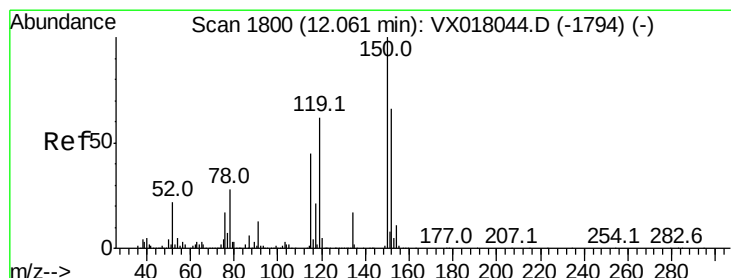
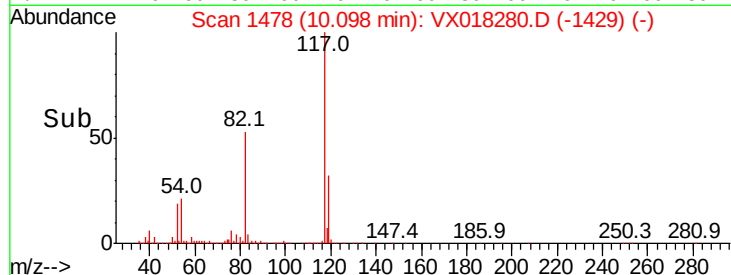
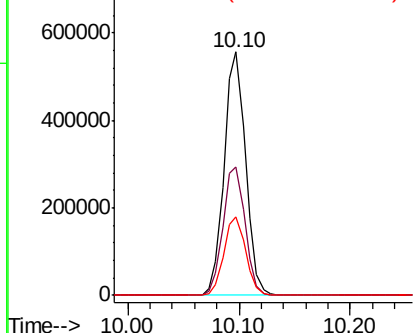
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018280.D
Acq: 08 Sep 2020 17:11

Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	44.2	66.2
119	32.0	25.7	38.5

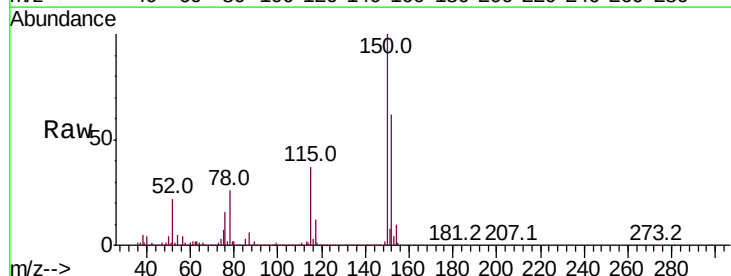


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

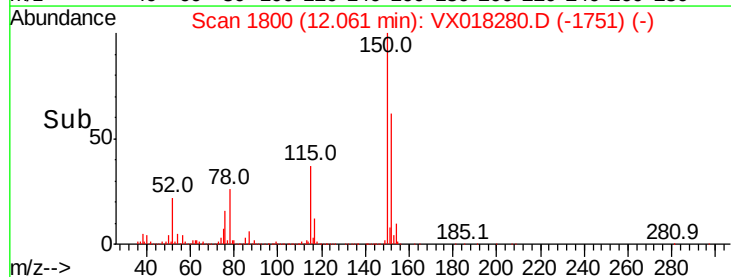
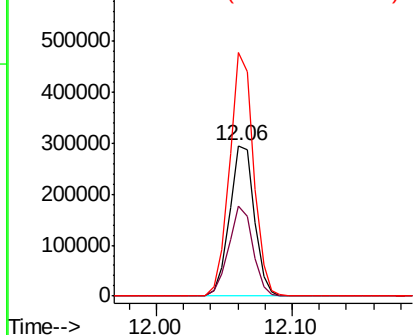


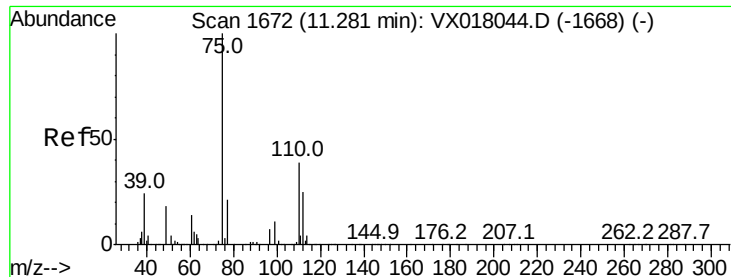
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018280.D
Acq: 08 Sep 2020 17:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	41.5	124.5
150	156.4	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: 21.967 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018280.D

Acq: 08 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

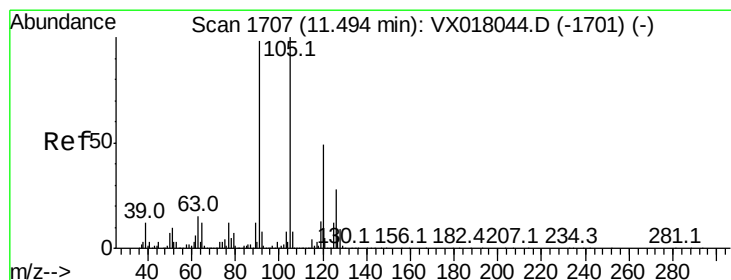
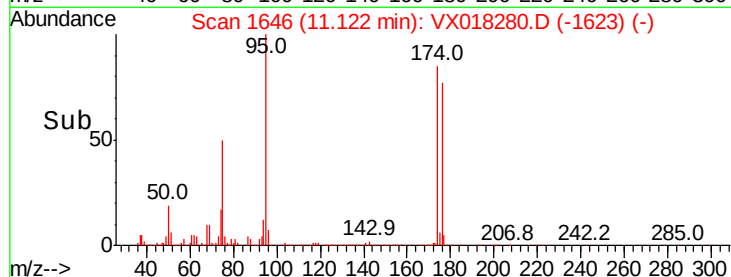
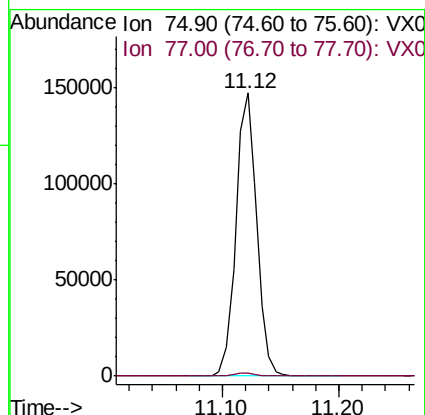
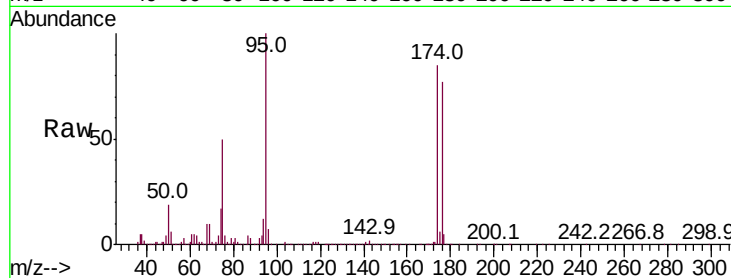
PB131451ZHE#01

Tot Ion: 75 Resp: 182813

Ion Ratio Lower Upper

75 100

77 1.5 20.8 62.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.236 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018280.D

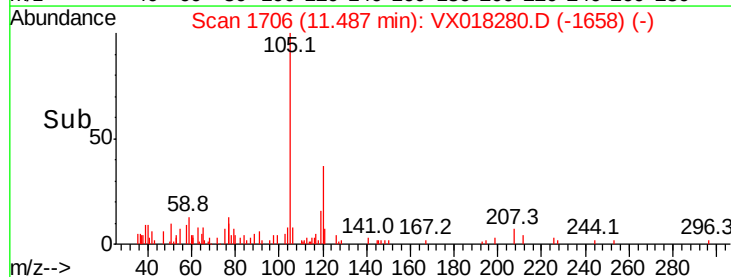
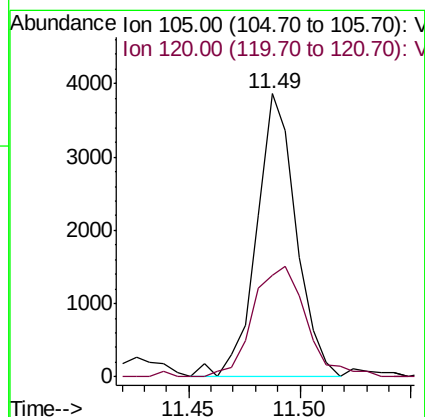
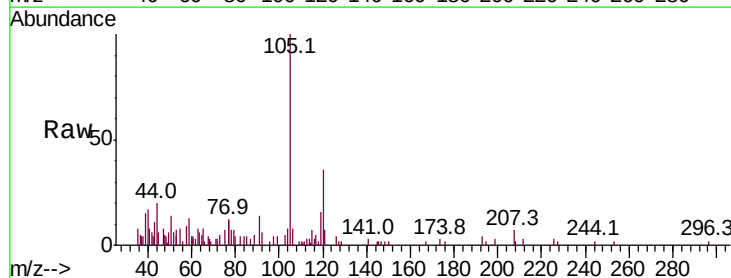
Acq: 08 Sep 2020 17:11

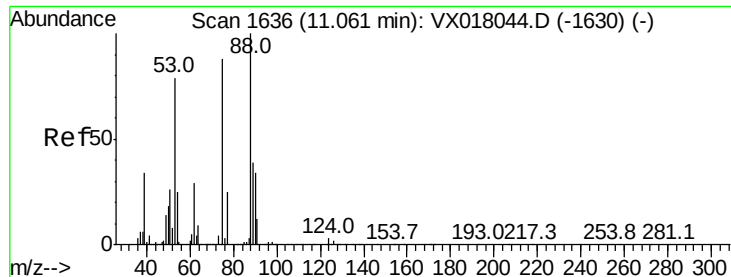
Tgt Ion:105 Resp: 4781

Ion Ratio Lower Upper

105 100

120 52.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 59.329 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018280.D

Acq: 08 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#01

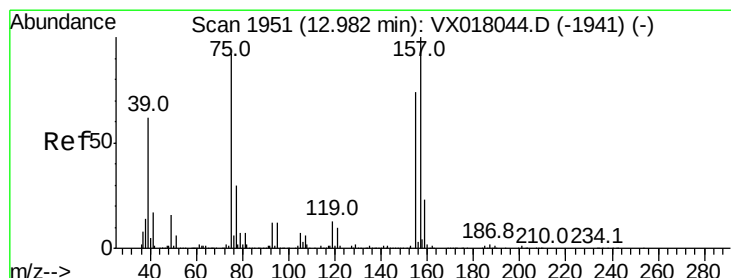
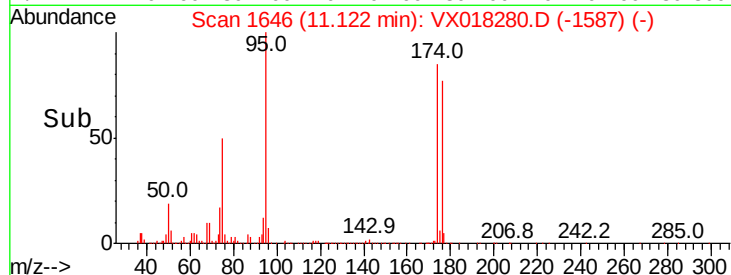
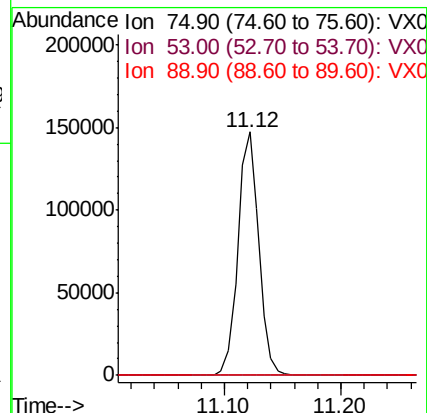
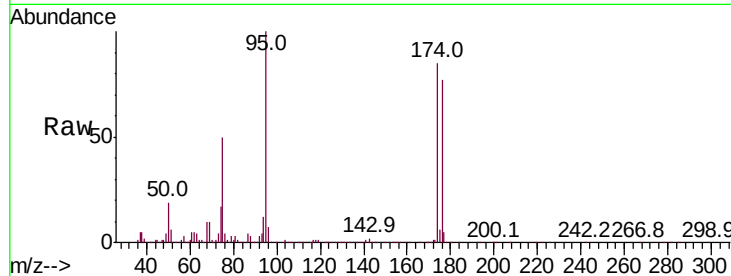
Tot Ion: 75 Resp: 182813

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.210 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX018280.D

Acq: 08 Sep 2020 17:11

Tgt Ion: 75 Resp: 458

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 15.5 55.0 165.2#

