

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090120\
 Data File : VX018197.D
 Acq On : 01 Sep 2020 17:11
 Operator : JC/SP
 Sample : PB131314ZHE#13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#13

Quant Time: Sep 02 02:52:12 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	411597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	683556	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	680571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	313397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	308983	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
35) Dibromofluoromethane	5.47	113	240407	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	8.70	98	869982	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.12	95	317884	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	

Target Compounds

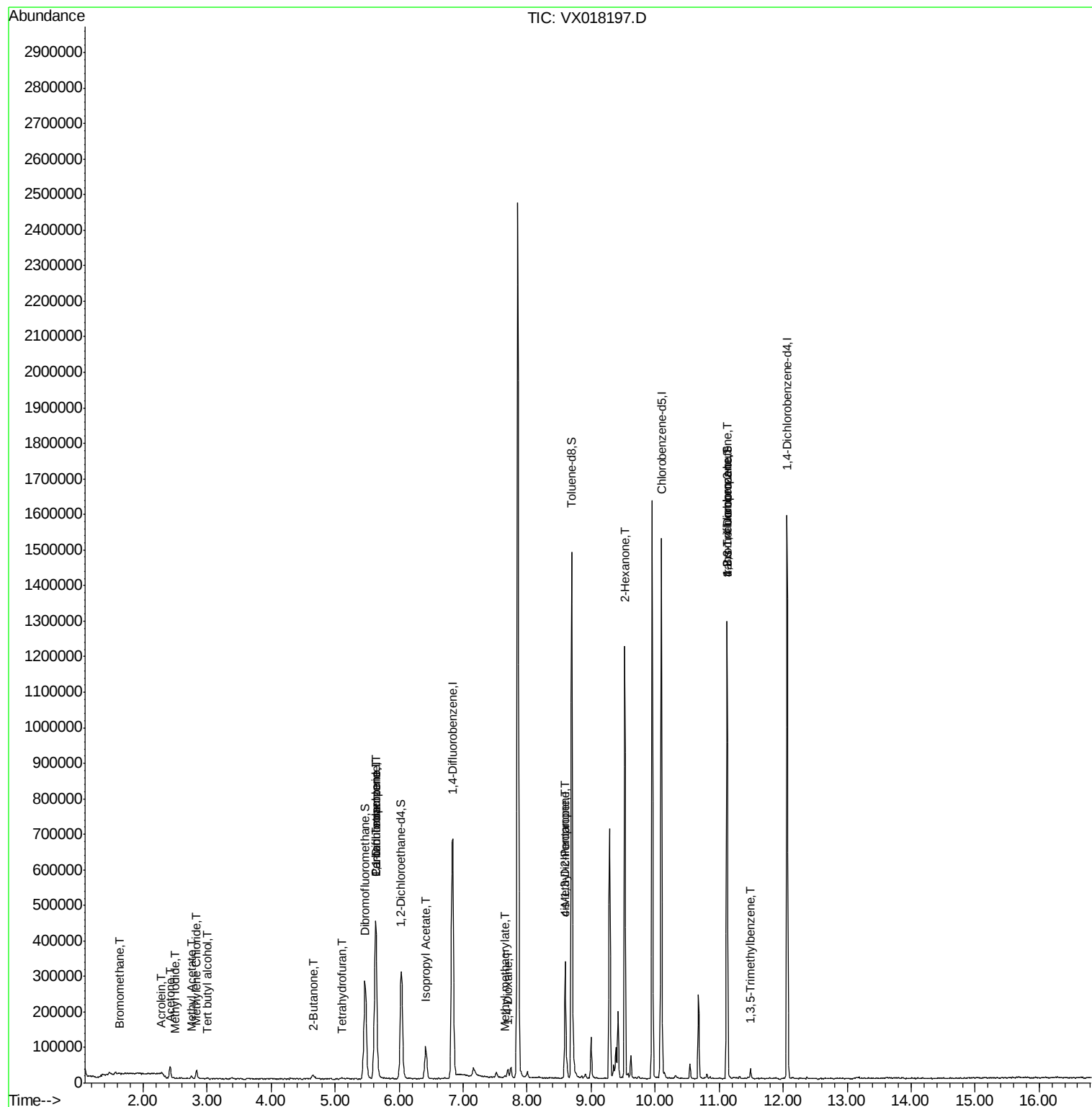
						Qvalue
5) Bromomethane	1.64	94	675	0.266	ug/l #	47
10) Methyl Iodide	2.50	142	204	5.331	ug/l #	18
11) Tert butyl alcohol	3.01	59	2505	2.255	ug/l #	93
13) Acrolein	2.28	56	718	1.559	ug/l #	76
16) Acetone	2.42	43	34303	15.406	ug/l	99
18) Methyl Acetate	2.75	43	8544	1.590	ug/l	98
20) Methylene Chloride	2.83	84	10759	1.224	ug/l	91
25) 2-Butanone	4.65	43	10079	2.754	ug/l	96
29) Tetrahydrofuran	5.11	42	3975	1.706	ug/l #	72
36) 1,1-Dichloropropene	5.63	75	32245	5.114	ug/l #	51
38) Carbon Tetrachloride	5.63	117	44137	6.212	ug/l #	18
43) Isopropyl Acetate	6.42	43	123574	10.448	ug/l	99
48) Methyl methacrylate	7.65	41	8230	1.398	ug/l #	16
49) 1,4-Dioxane	7.70	88	455	4.266	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	124384	17.025	ug/l #	47
54) cis-1,3-Dichloropropene	8.60	75	51675	6.278	ug/l #	59
59) 2-Hexanone	9.52	43	135618	24.412	ug/l #	54
76) 1,2,3-Trichloropropane	11.12	75	165474	23.735	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	12657	0.745	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	165474	64.105	ug/l #	12

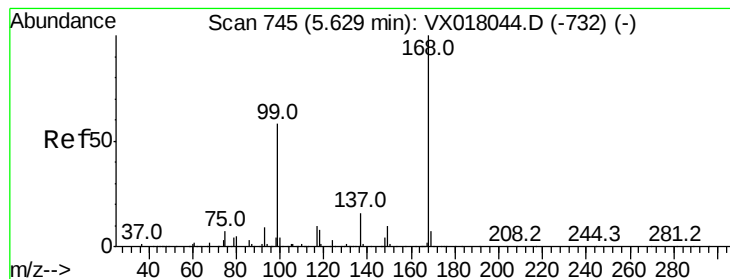
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018197.D

Acq: 01 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

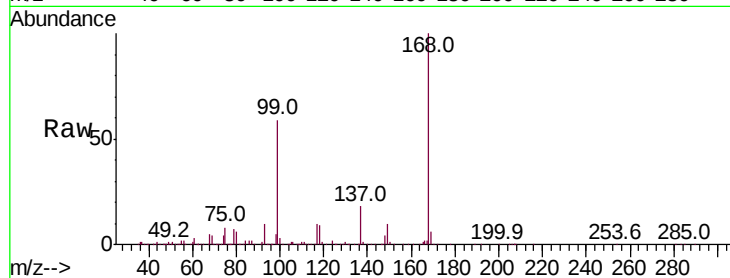
PB131314ZHE#13

Tot Ion:168 Resp: 411597

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

150000

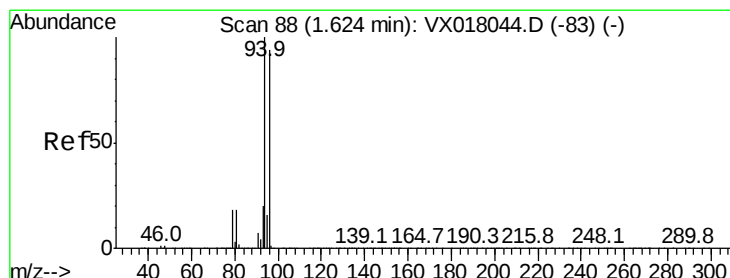
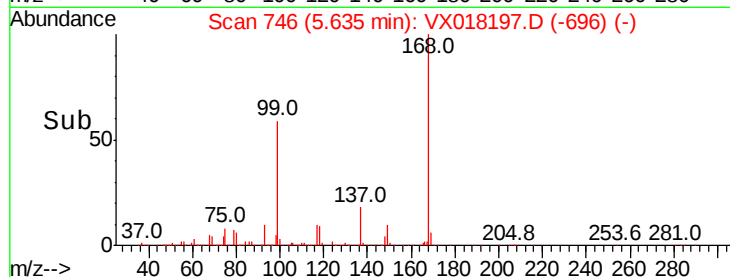
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.266 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018197.D

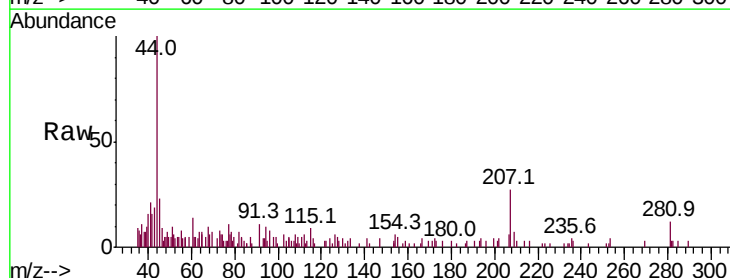
Acq: 01 Sep 2020 17:11

Tgt Ion: 94 Resp: 675

Ion Ratio Lower Upper

94 100

96 42.7 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

500

400

300

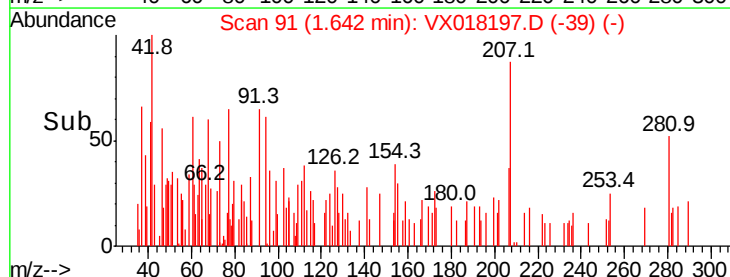
200

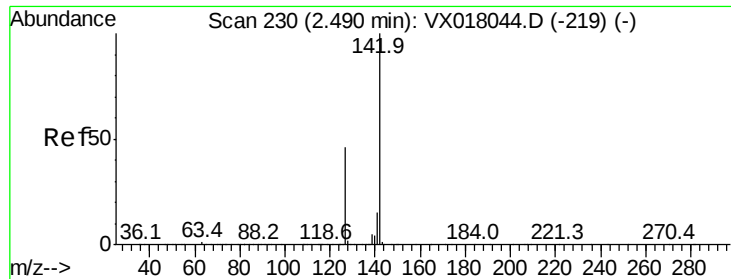
100

0

1.60 1.65

Time-->

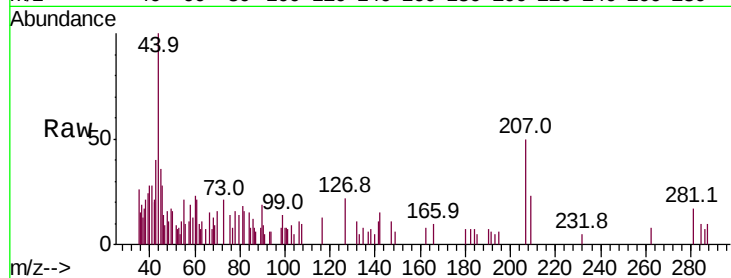




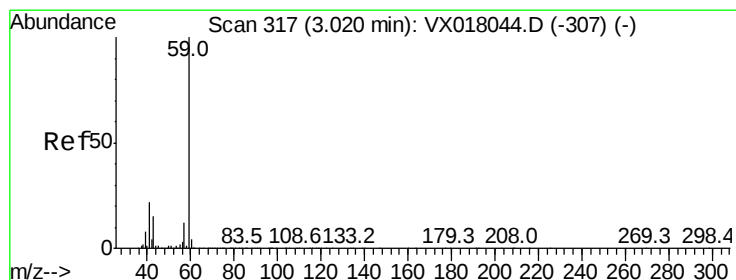
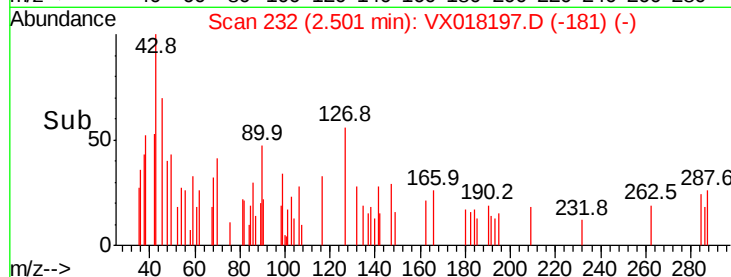
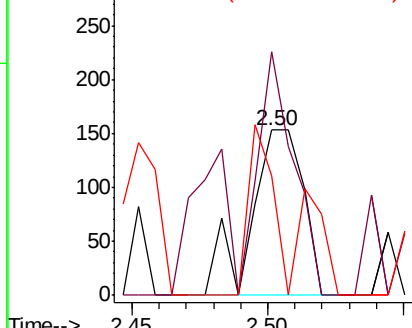
#10
Methvl Iodide
Concen: 5.331 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018197.D
Acq: 01 Sep 2020 17:11

Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#13

Tot Ion:142 Resp: 204
Ion Ratio Lower Upper
142 100
127 101.0 37.0 55.6#
141 48.0 11.5 17.3#

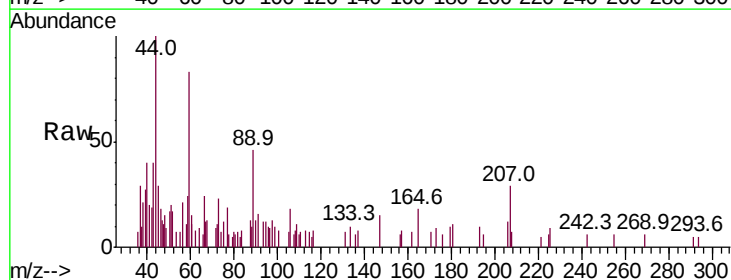


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

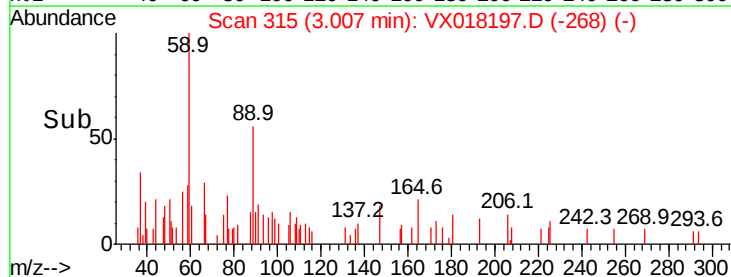
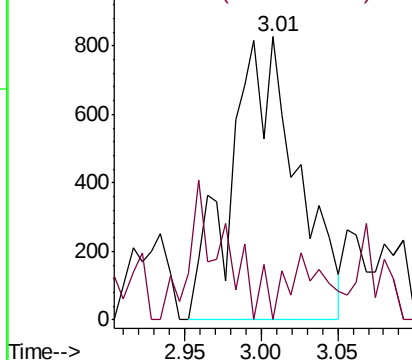


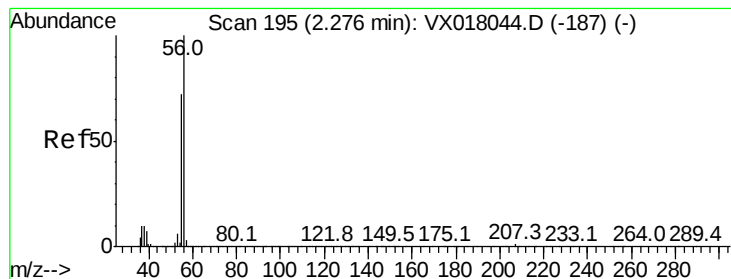
#11
Tert butyl alcohol
Concen: 2.255 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018197.D
Acq: 01 Sep 2020 17:11

Tgt Ion: 59 Resp: 2505
Ion Ratio Lower Upper
59 100
57 13.7 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.559 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018197.D

Acq: 01 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

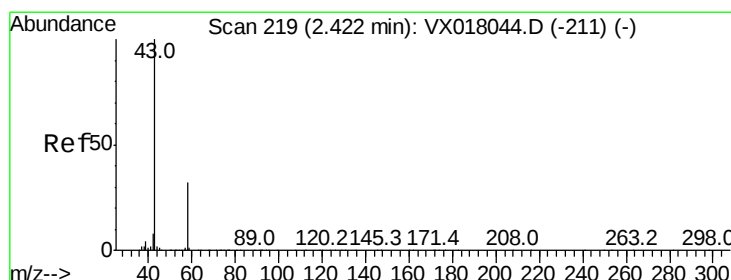
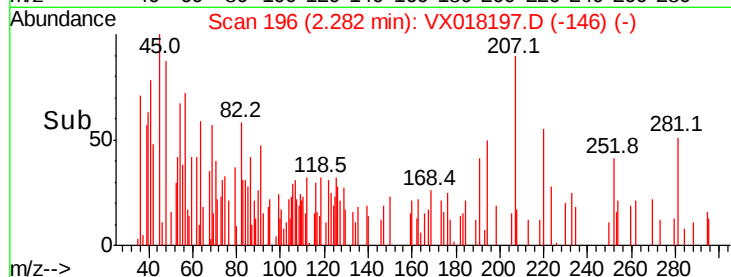
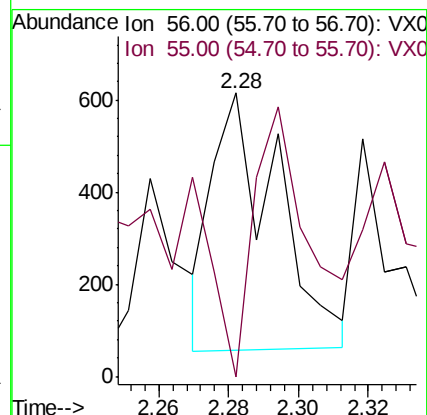
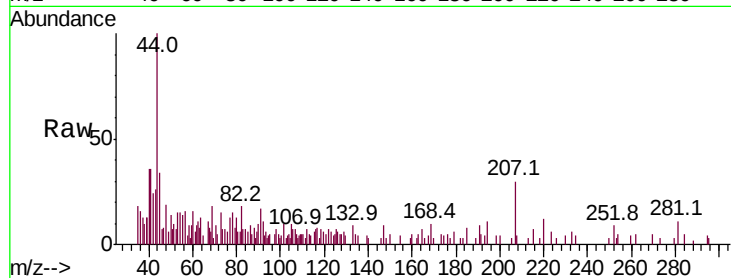
PB131314ZHE#13

Tot Ion: 56 Resp: 718

Ion Ratio Lower Upper

56 100

55 91.1 57.0 85.6#



#16

Acetone

Concen: 15.406 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018197.D

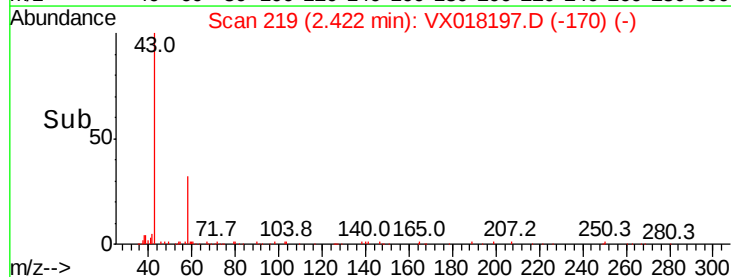
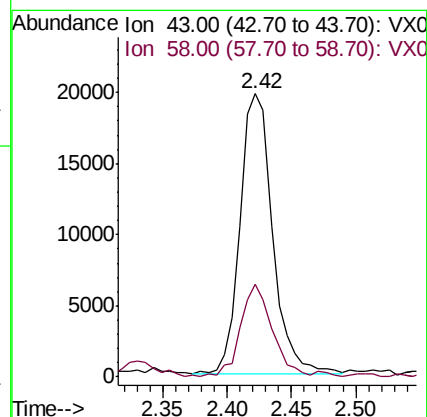
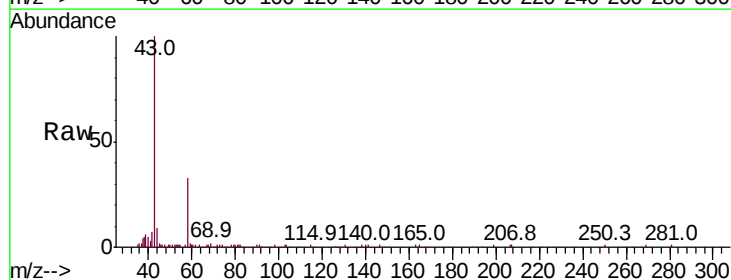
Acq: 01 Sep 2020 17:11

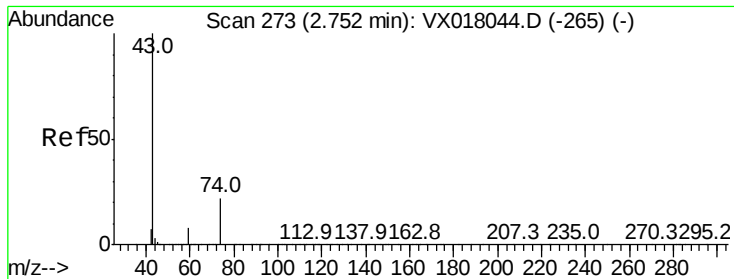
Tgt Ion: 43 Resp: 34303

Ion Ratio Lower Upper

43 100

58 32.7 25.5 38.3

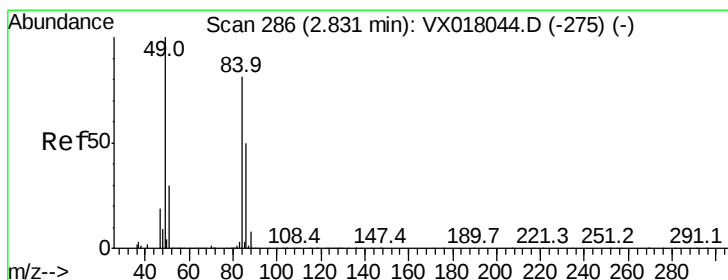
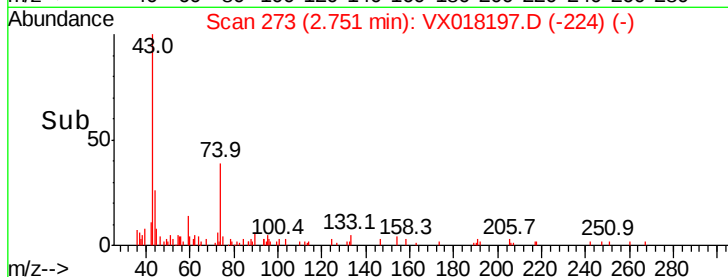
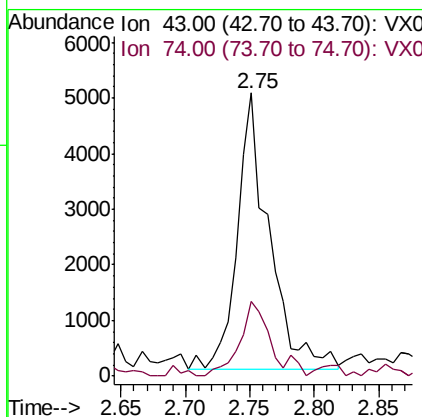
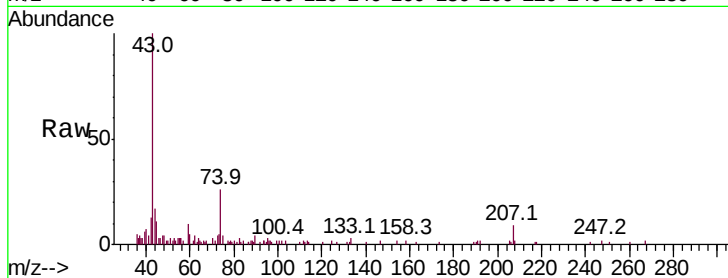




#18
Methvl Acetate
Concen: 1.590 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018197.D
Acq: 01 Sep 2020 17:11

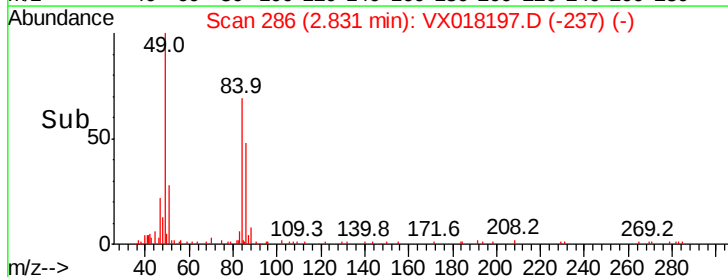
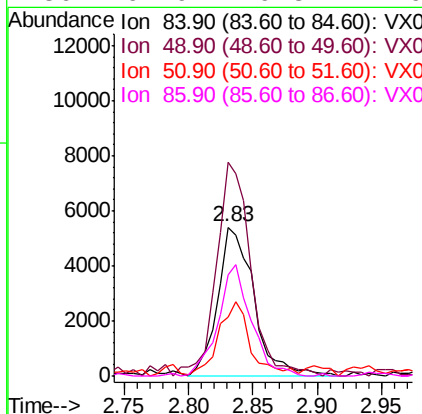
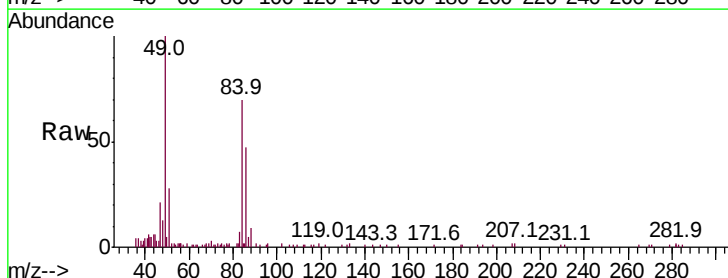
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#13

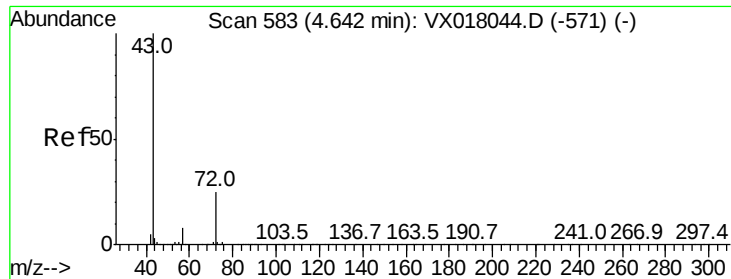
Tot Ion: 43 Resp: 8544
Ion Ratio Lower Upper
43 100
74 23.5 18.2 27.4



#20
Methylene Chloride
Concen: 1.224 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018197.D
Acq: 01 Sep 2020 17:11

Tgt Ion: 84 Resp: 10759
Ion Ratio Lower Upper
84 100
49 137.1 98.6 148.0
51 38.6 29.6 44.4
86 67.9 49.8 74.6





#25

2-Butanone

Concen: 2.754 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX018197.D

Acq: 01 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

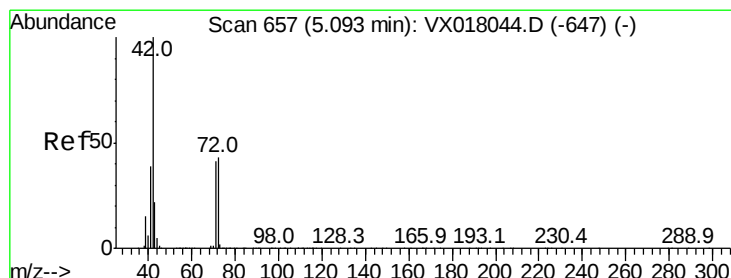
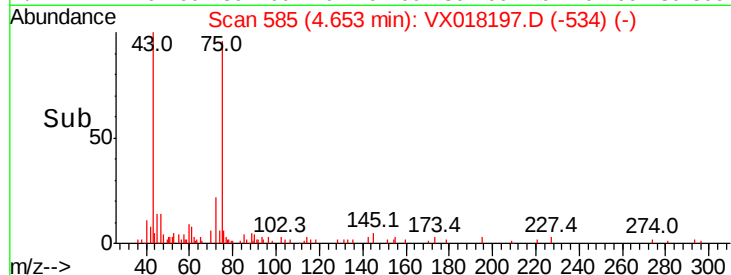
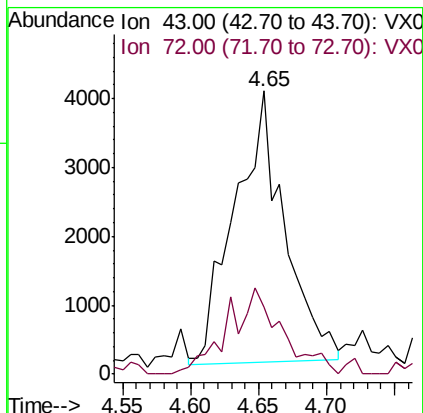
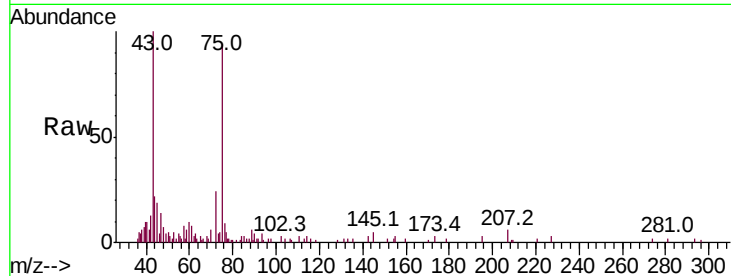
PB131314ZHE#13

Tot Ion: 43 Resp: 10079

Ion Ratio Lower Upper

43 100

72 22.5 19.8 29.6



#29

Tetrahydrofuran

Concen: 1.706 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX018197.D

Acq: 01 Sep 2020 17:11

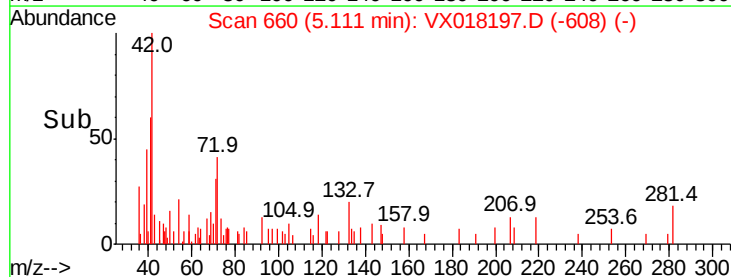
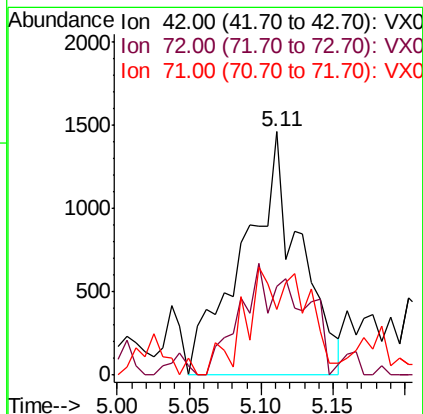
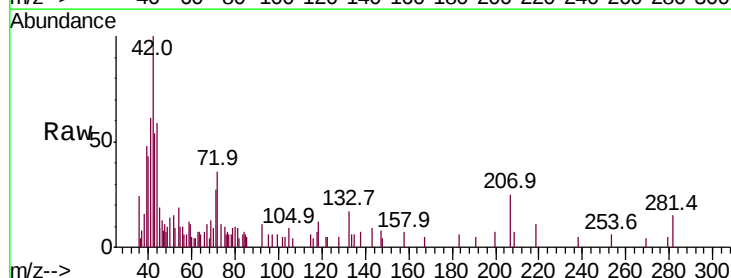
Tgt Ion: 42 Resp: 3975

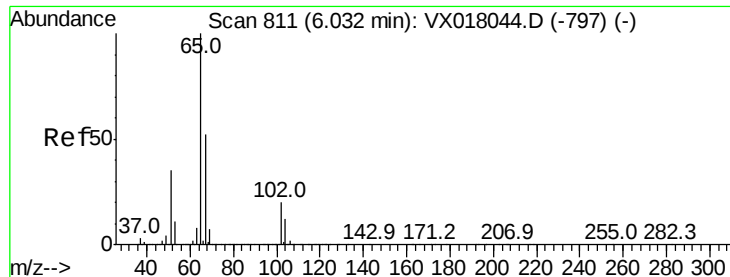
Ion Ratio Lower Upper

42 100

72 23.2 34.2 51.4#

71 24.5 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 54.075 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018197.D

Acq: 01 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

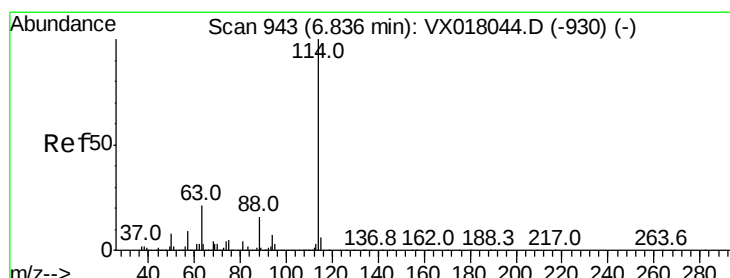
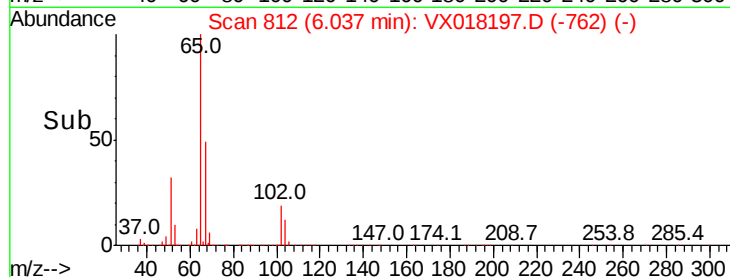
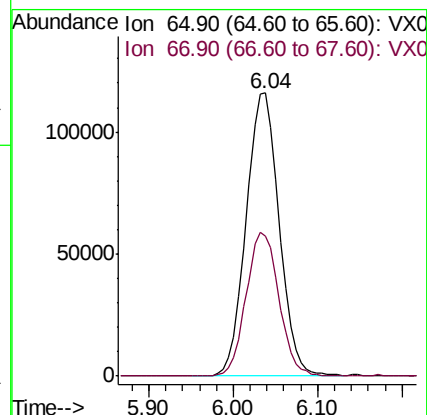
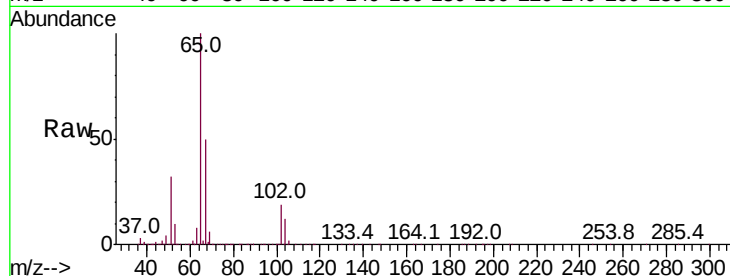
PB131314ZHE#13

Tot Ion: 65 Resp: 308983

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018197.D

Acq: 01 Sep 2020 17:11

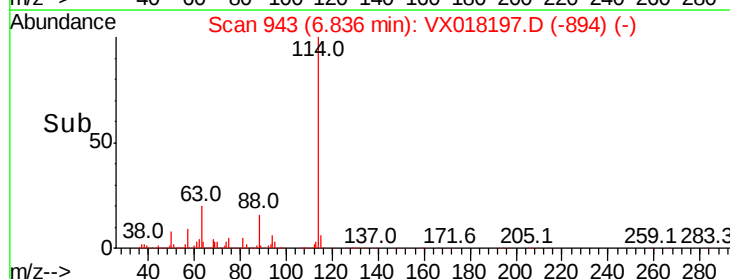
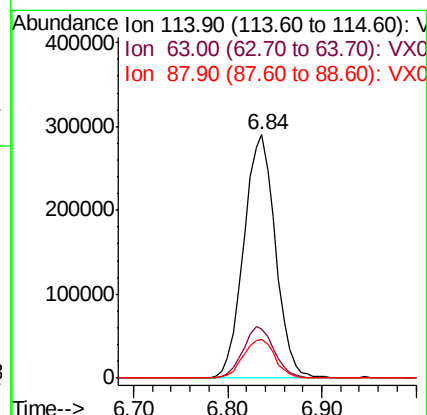
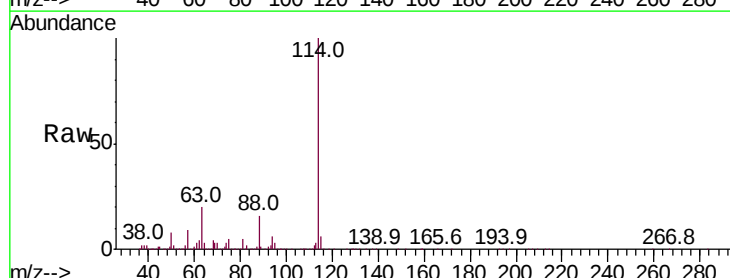
Tgt Ion: 114 Resp: 683556

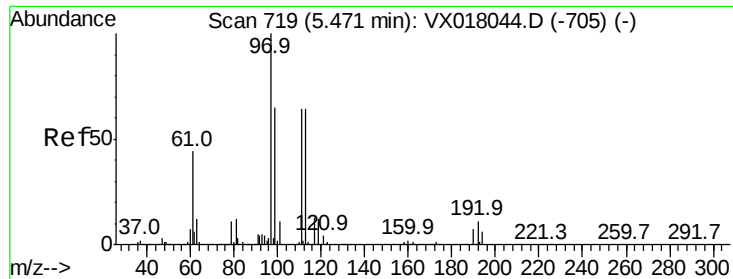
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 15.9 0.0 31.8

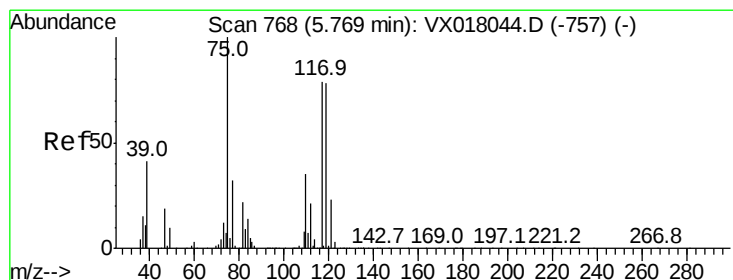
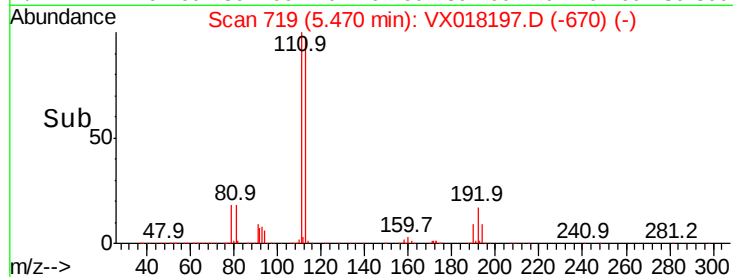
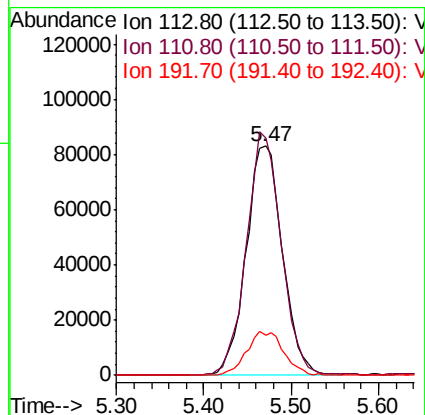
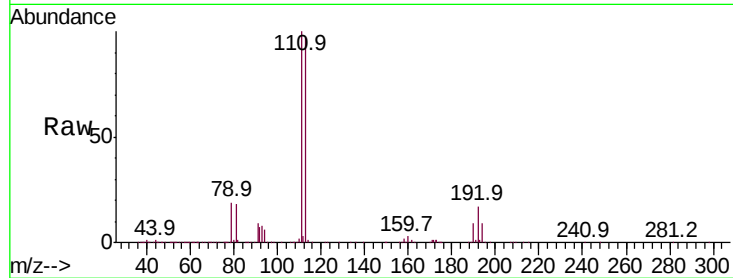




#35
 Dibromofluoromethane
 Concen: 51.641 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018197.D
 Acq: 01 Sep 2020 17:11

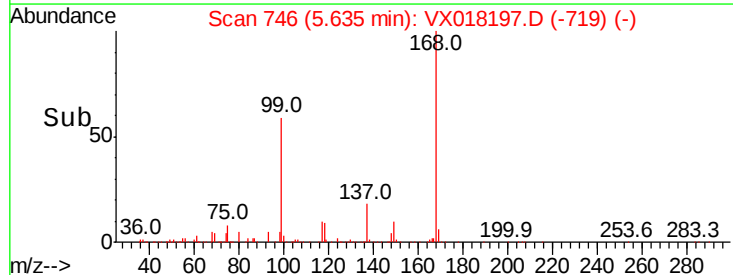
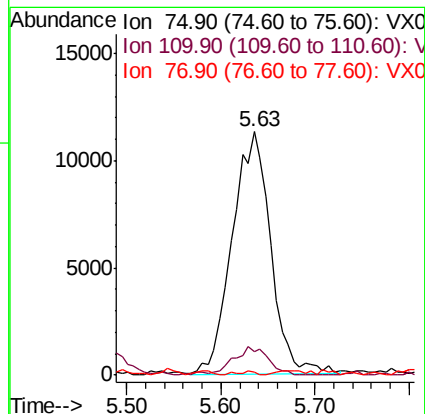
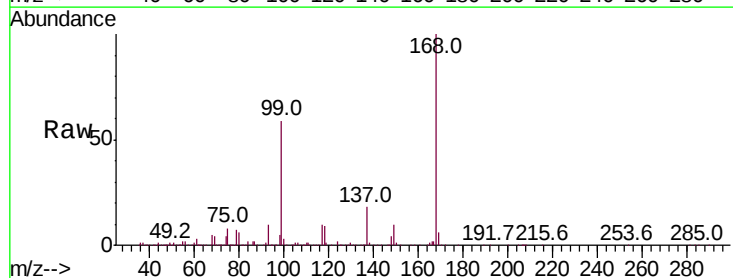
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131314ZHE#13

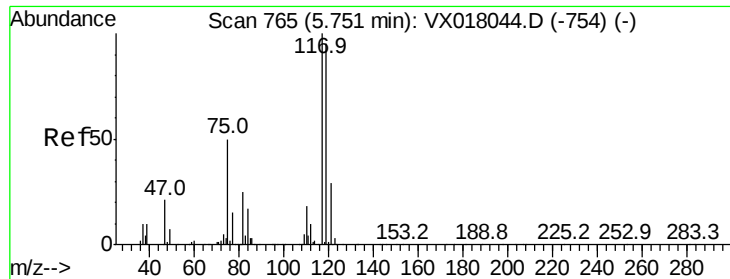
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.6	122.4
192	19.5	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.114 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018197.D
 Acq: 01 Sep 2020 17:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.0	54.0#
77	0.8	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.212 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018197.D

Acq: 01 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#13

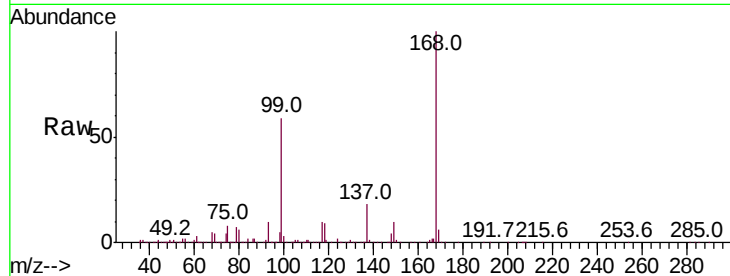
Tot Ion:117 Resp: 44137

Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

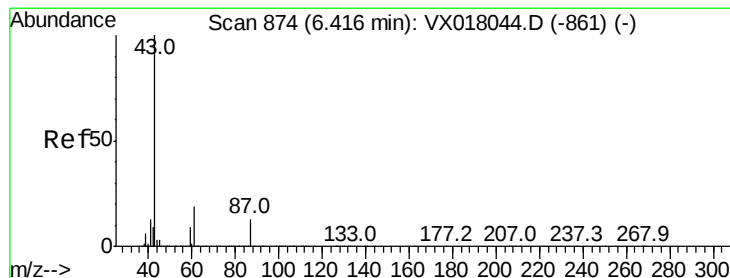
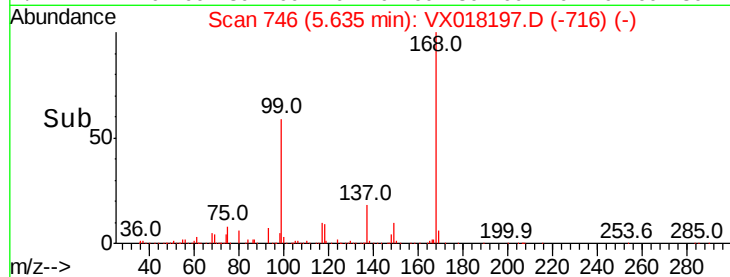
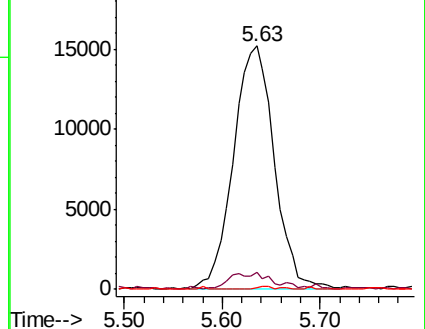
121 0.5 23.4 35.0#



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: 10.448 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018197.D

Acq: 01 Sep 2020 17:11

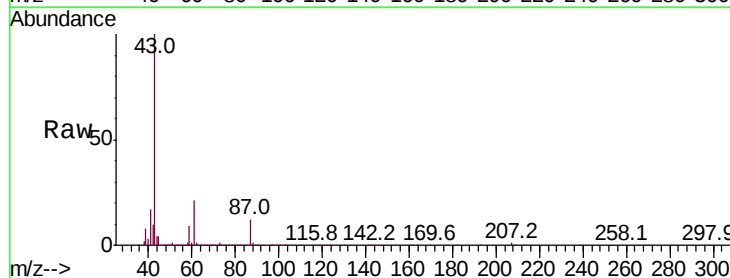
Tgt Ion: 43 Resp: 123574

Ion Ratio Lower Upper

43 100

61 20.2 15.7 23.5

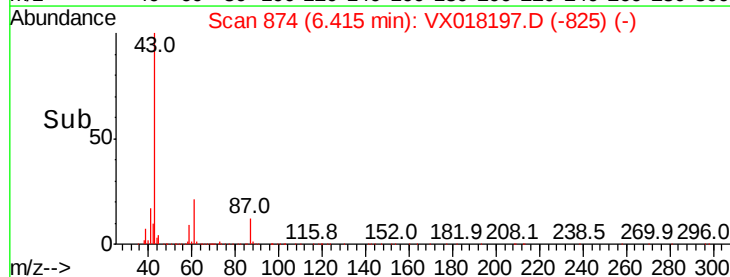
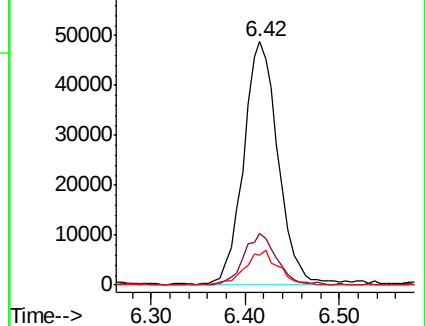
87 13.6 10.3 15.5

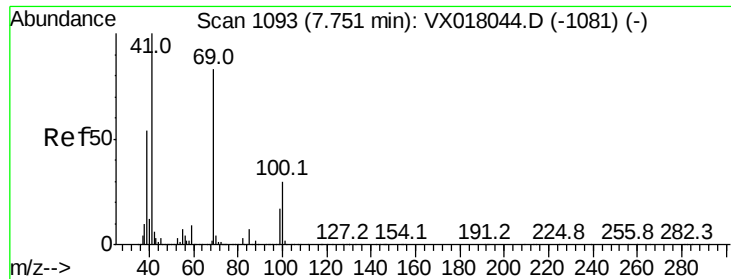


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

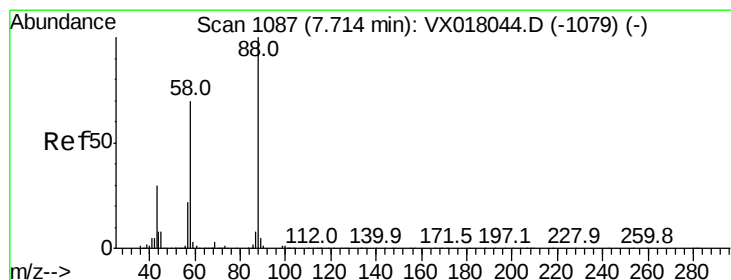
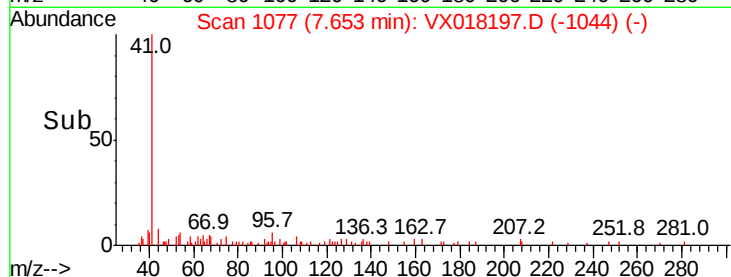
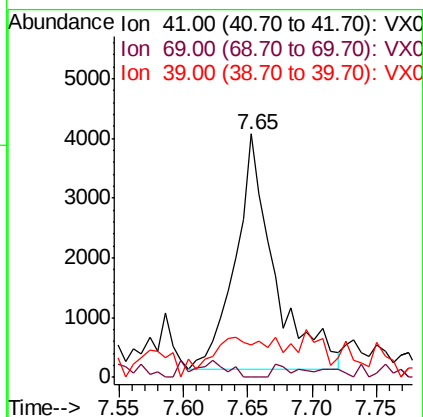
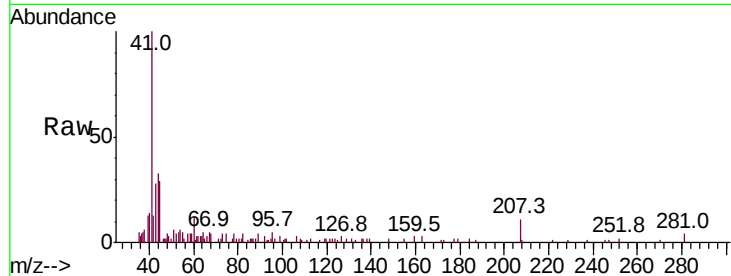




#48
Methyl methacrylate
Concen: 1.398 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX018197.D
Acq: 01 Sep 2020 17:11

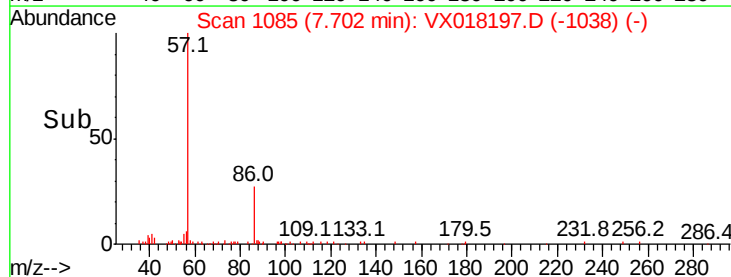
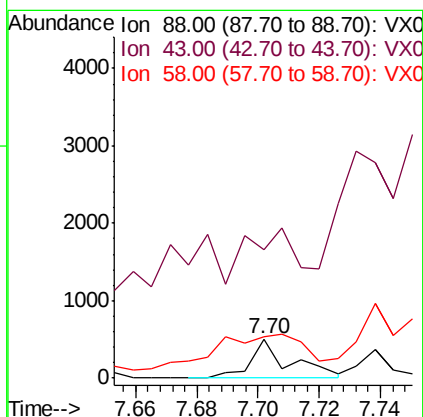
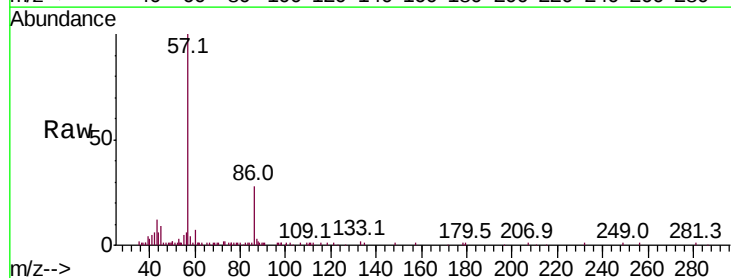
Instrument :
MSVOA_X
ClientSampleId :
PB131314ZHE#13

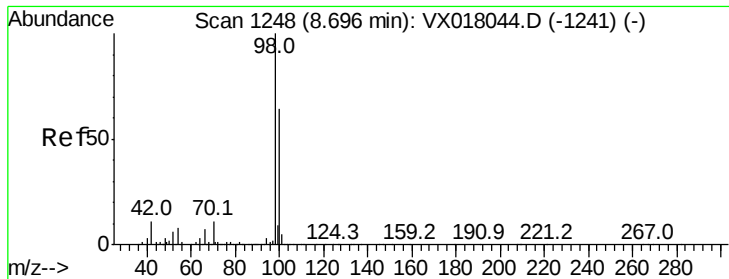
Tot Ion: 41 Resp: 8230
Ion Ratio Lower Upper
41 100
69 2.1 65.5 98.3#
39 0.0 44.5 66.7#



#49
1,4-Dioxane
Concen: 4.266 ug/l
RT: 7.70 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VX018197.D
Acq: 01 Sep 2020 17:11

Tgt Ion: 88 Resp: 455
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 289.2 56.4 84.6#





#50

Toluene-d8

Concen: 50.175 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018197.D

Acq: 01 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

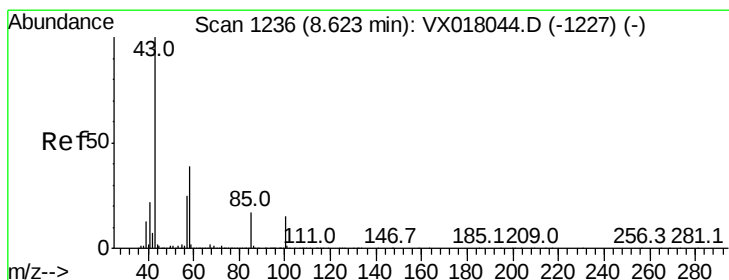
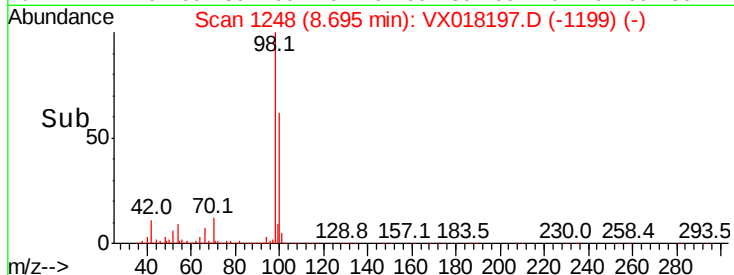
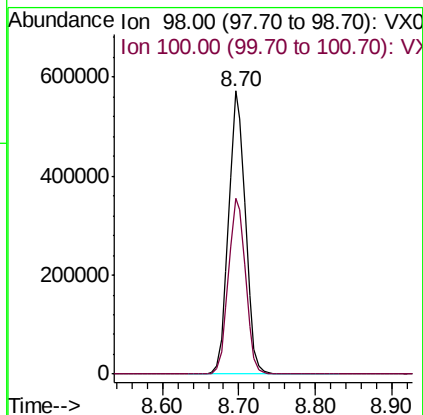
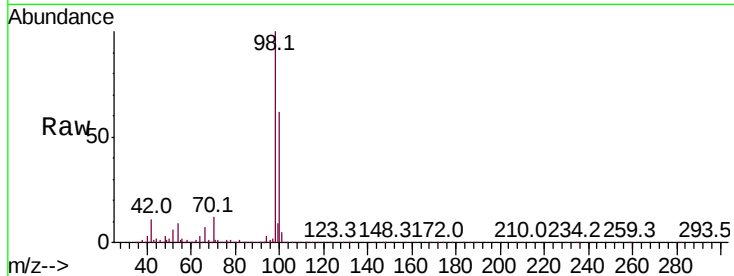
PB131314ZHE#13

Tot Ion: 98 Resp: 869982

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 17.025 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX018197.D

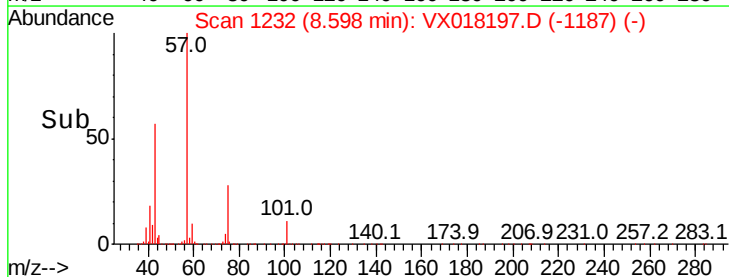
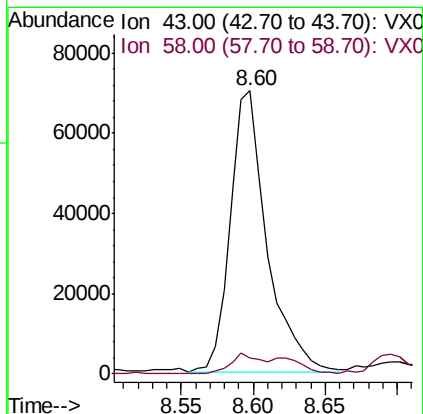
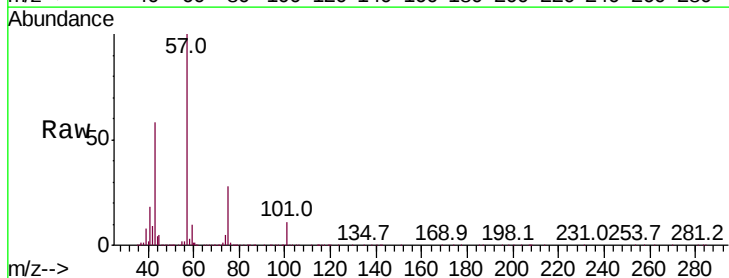
Acq: 01 Sep 2020 17:11

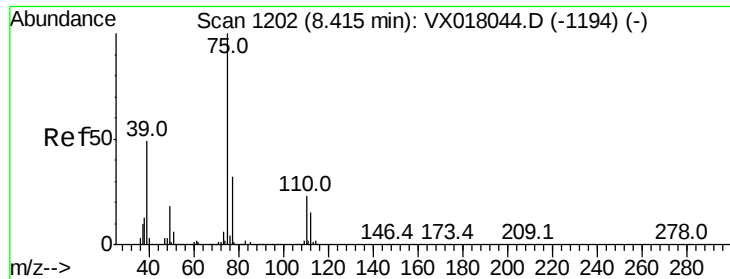
Tgt Ion: 43 Resp: 124384

Ion Ratio Lower Upper

43 100

58 6.4 30.7 46.1#





#54

cis-1,3-Dichloropropene

Concen: 6.278 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018197.D

Acq: 01 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#13

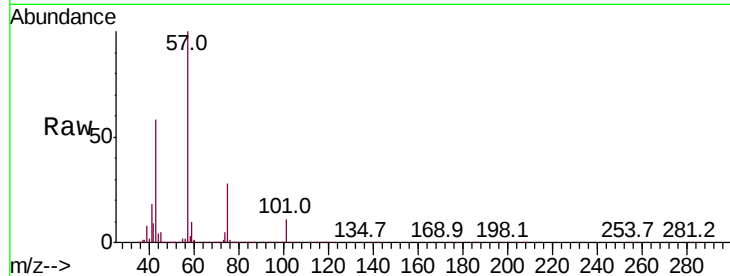
Tot Ion: 75 Resp: 51675

Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.8#

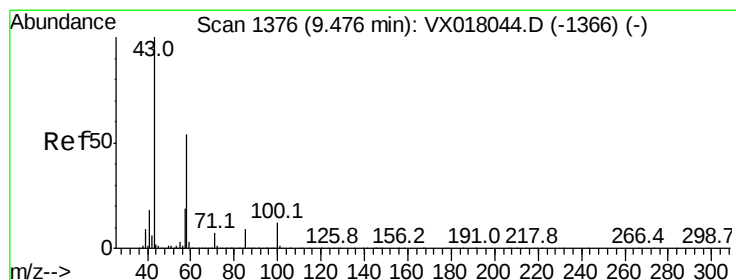
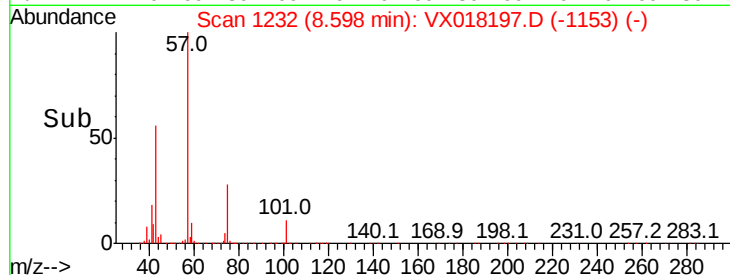
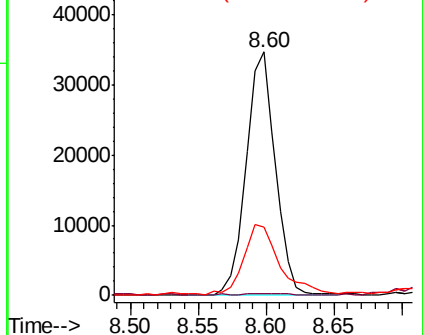
39 27.4 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 24.412 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX018197.D

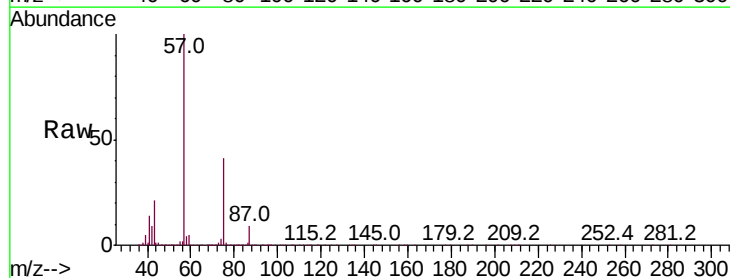
Acq: 01 Sep 2020 17:11

Tgt Ion: 43 Resp: 135618

Ion Ratio Lower Upper

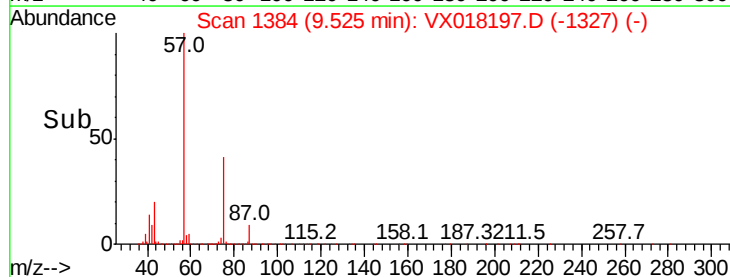
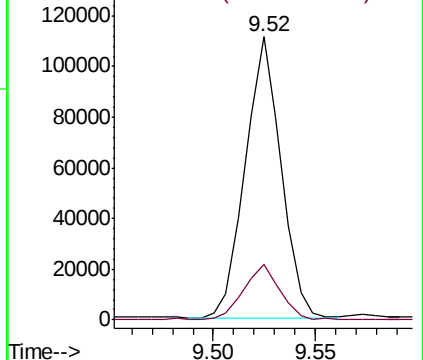
43 100

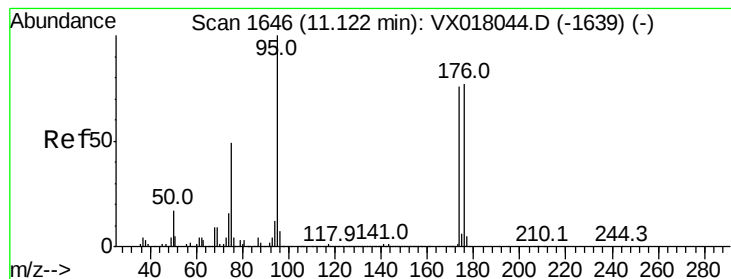
58 20.3 26.6 79.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.598 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018197.D

Acq: 01 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#13

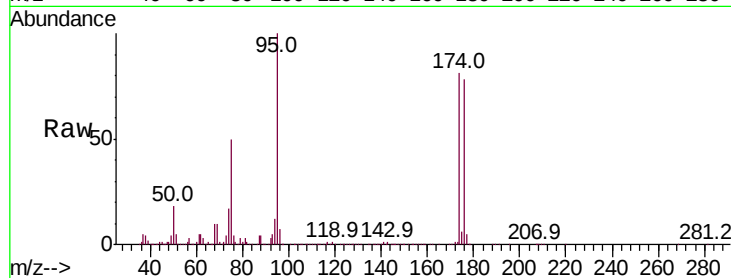
Tot Ion: 95 Resp: 317884

Ion Ratio Lower Upper

95 100

174 82.1 0.0 160.2

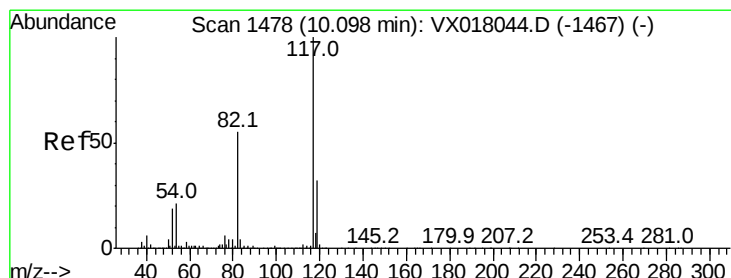
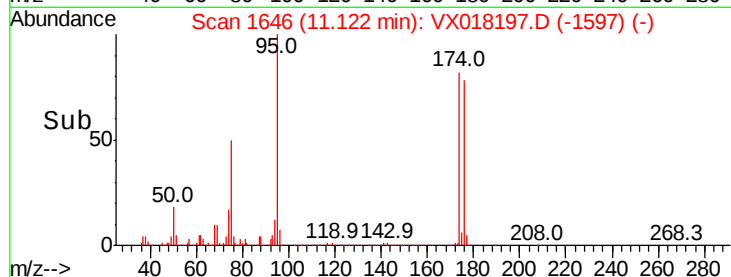
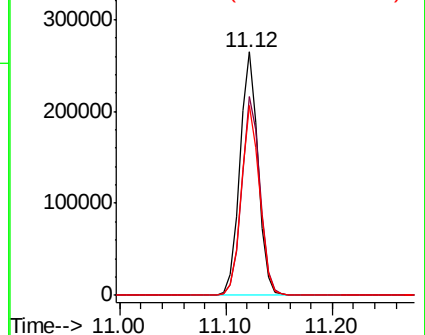
176 78.6 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018197.D

Acq: 01 Sep 2020 17:11

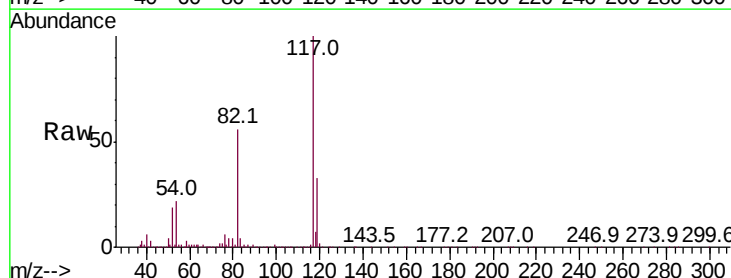
Tgt Ion: 117 Resp: 680571

Ion Ratio Lower Upper

117 100

82 56.3 44.2 66.2

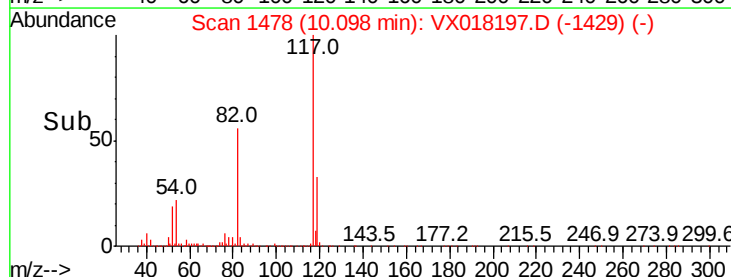
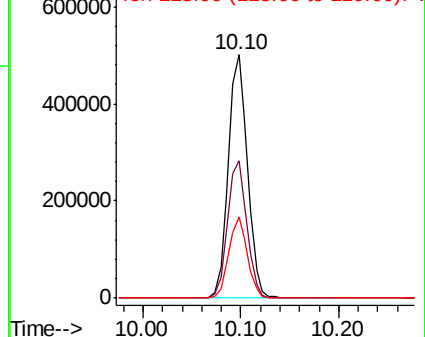
119 33.4 25.7 38.5

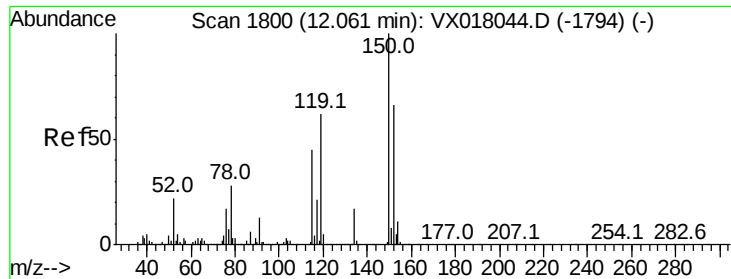


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX018197.D

Acq: 01 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

PB131314ZHE#13

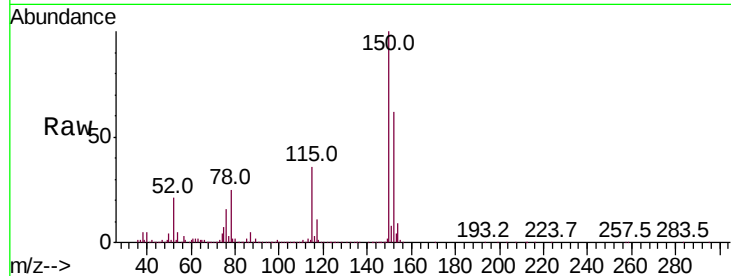
Tot Ion:152 Resp: 313397

Ion Ratio Lower Upper

152 100

115 58.4 41.5 124.5

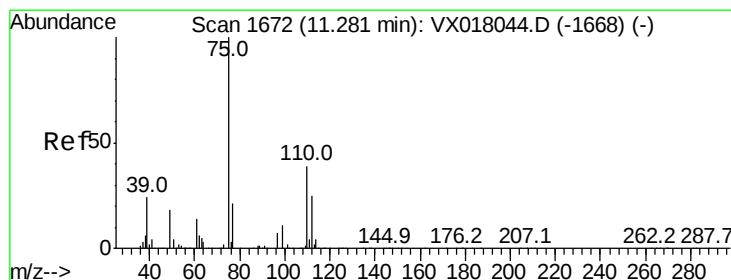
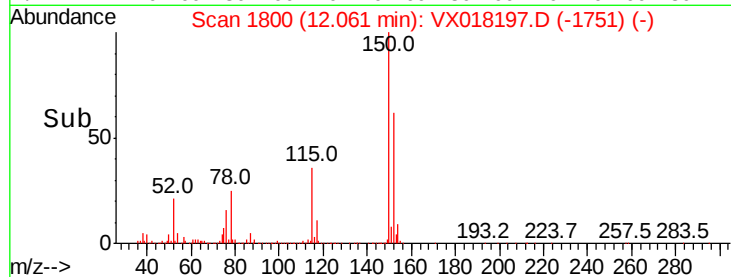
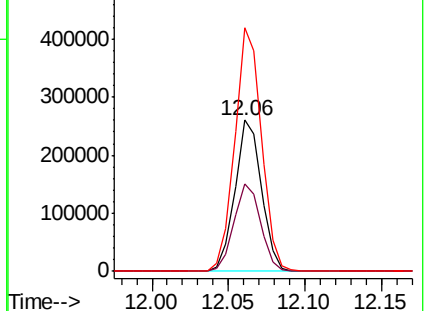
150 161.3 0.0 343.8



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: 23.735 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018197.D

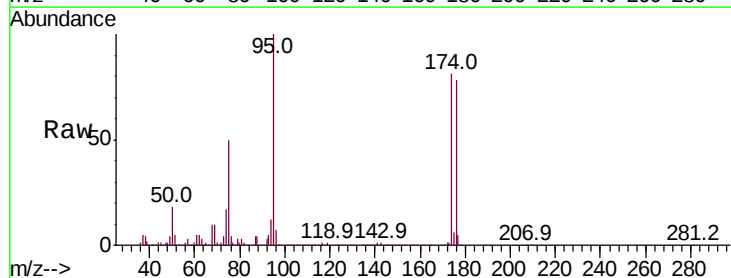
Acq: 01 Sep 2020 17:11

Tgt Ion: 75 Resp: 165474

Ion Ratio Lower Upper

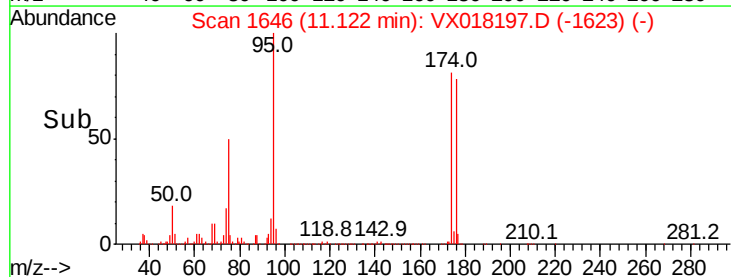
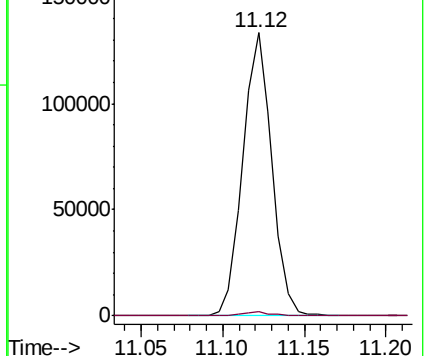
75 100

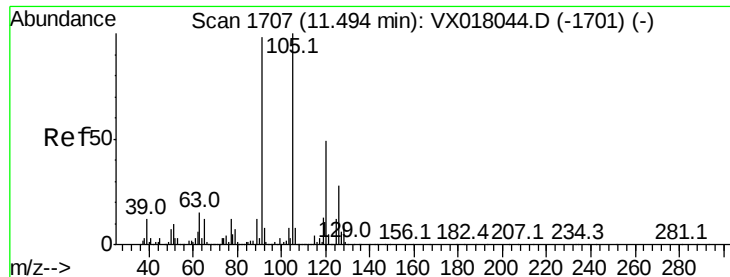
77 1.5 20.8 62.2#



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: 0.745 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018197.D

Acq: 01 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

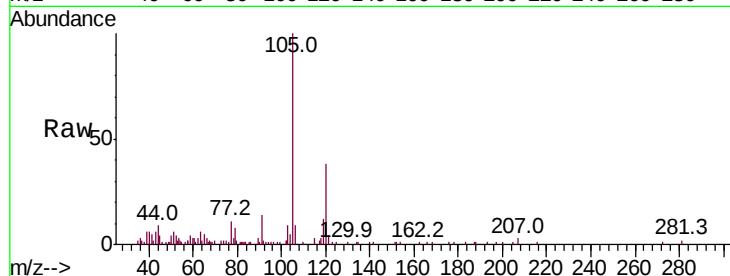
PB131314ZHE#13

Tot Ion:105 Resp: 12657

Ion Ratio Lower Upper

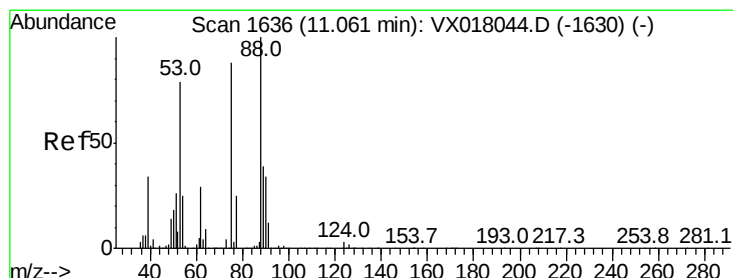
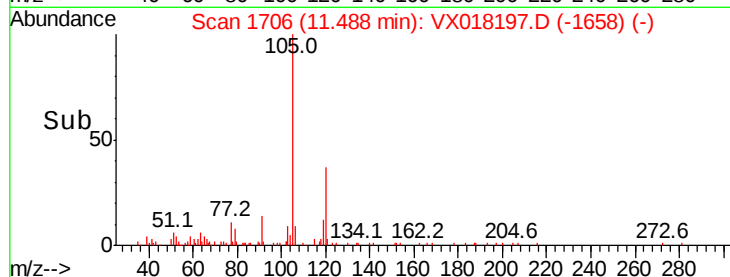
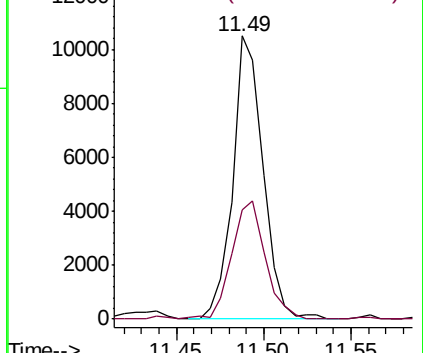
105 100

120 46.4 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: 64.105 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018197.D

Acq: 01 Sep 2020 17:11

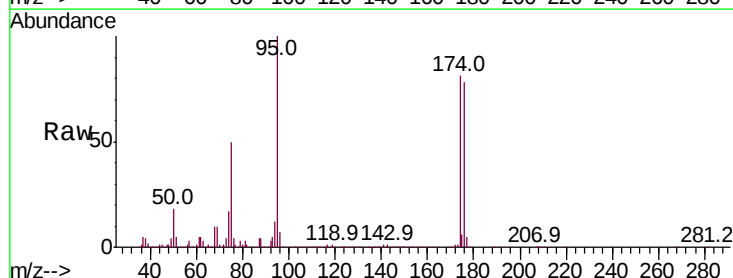
Tgt Ion: 75 Resp: 165474

Ion Ratio Lower Upper

75 100

53 0.3 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

