

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091520\
 Data File : VX018414.D
 Acq On : 15 Sep 2020 18:02
 Operator : JC/SP
 Sample : PB131607ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#05

Quant Time: Sep 16 03:38:20 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	435623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	711038	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	712128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	337423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	320362	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
35) Dibromofluoromethane	5.46	113	245477	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	8.70	98	897750	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.12	95	343453	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

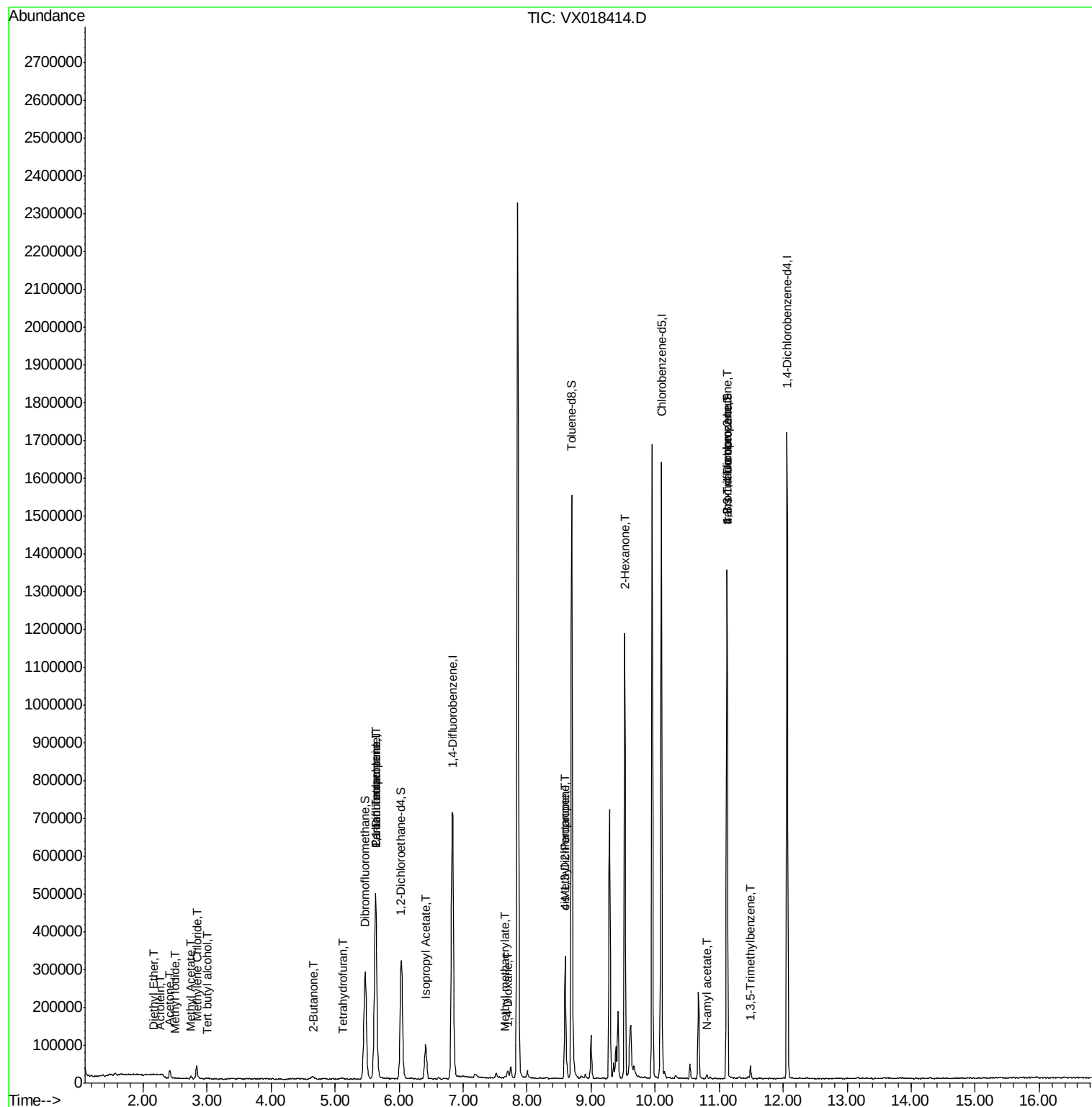
						Qvalue
8) Diethyl Ether	2.17	74	892	0.347	ug/l	53
10) Methyl Iodide	2.50	142	282	5.344	ug/l #	28
11) Tert butyl alcohol	3.00	59	797	0.678	ug/l #	66
13) Acrolein	2.26	56	159	0.326	ug/l #	1
16) Acetone	2.42	43	21990	9.332	ug/l	99
18) Methyl Acetate	2.75	43	8563	1.506	ug/l	94
20) Methylene Chloride	2.84	84	14784	1.946	ug/l #	83
25) 2-Butanone	4.65	43	6503	1.679	ug/l	95
29) Tetrahydrofuran	5.11	42	2130	0.864	ug/l #	89
36) 1,1-Dichloropropene	5.63	75	34289	5.228	ug/l #	52
38) Carbon Tetrachloride	5.63	117	47268	6.395	ug/l #	16
43) Isopropyl Acetate	6.42	43	120909	9.828	ug/l	99
48) Methyl methacrylate	7.65	41	6947	1.134	ug/l #	17
49) 1,4-Dioxane	7.71	88	358	3.227	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	120185	15.815	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	49806	5.817	ug/l #	63
59) 2-Hexanone	9.52	43	134120	23.210	ug/l #	51
74) N-amyl acetate	10.80	43	5466	0.518	ug/l #	50
76) 1,2,3-Trichloropropane	11.12	75	175290	23.353	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	15386	0.841	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	175290	63.073	ug/l #	12

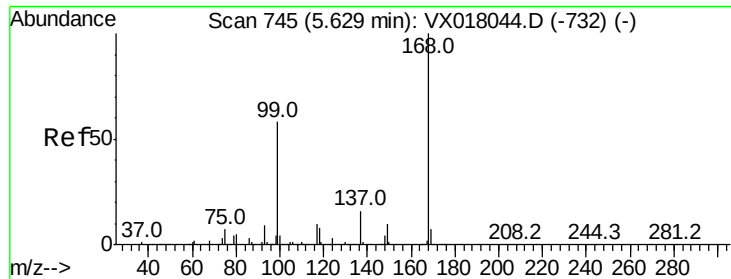
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018414.D

Acq: 15 Sep 2020 18:02

Instrument :

MSVOA_X

ClientSampleId :

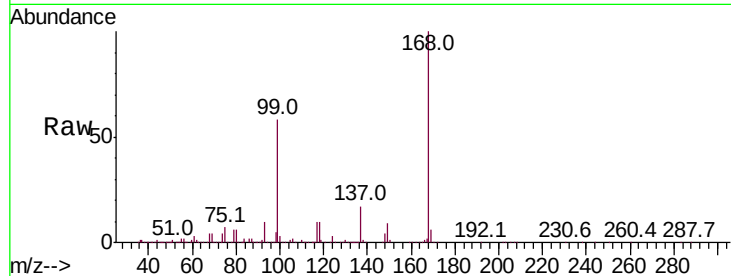
PB131607ZHE#05

Tot Ion:168 Resp: 435623

Ion Ratio Lower Upper

168 100

99 57.5 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

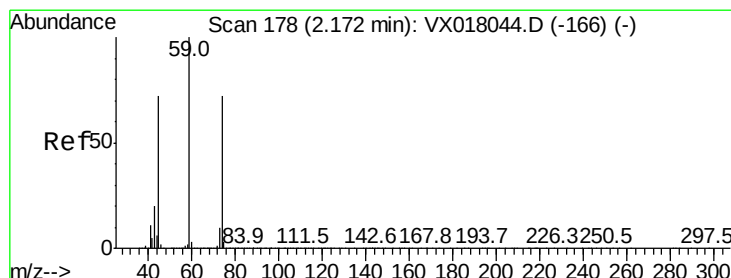
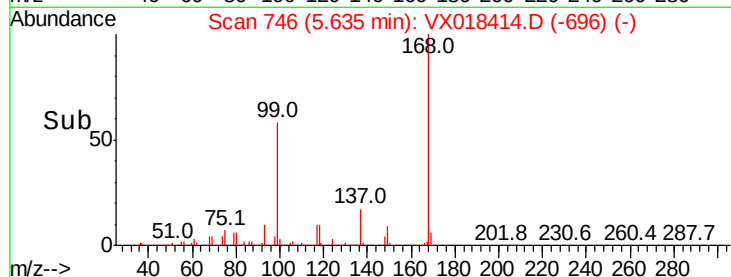
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 0.347 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.01 min

Lab File: VX018414.D

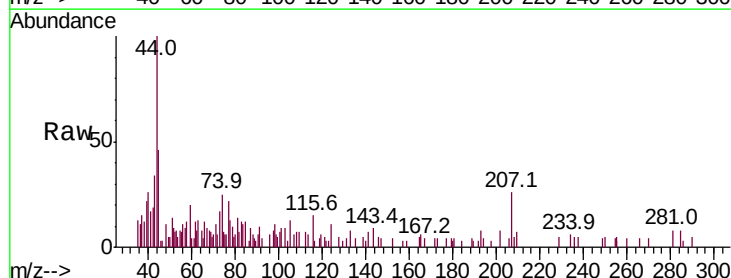
Acq: 15 Sep 2020 18:02

Tgt Ion: 74 Resp: 892

Ion Ratio Lower Upper

74 100

45 148.8 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1200

1000

800

600

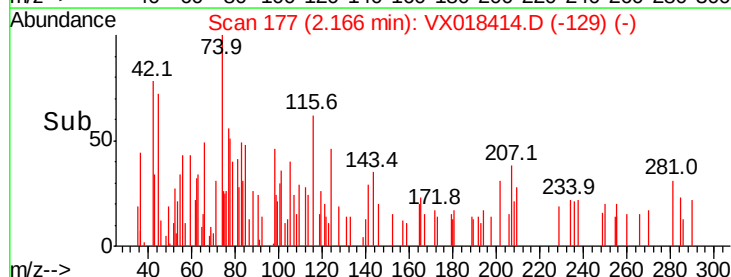
400

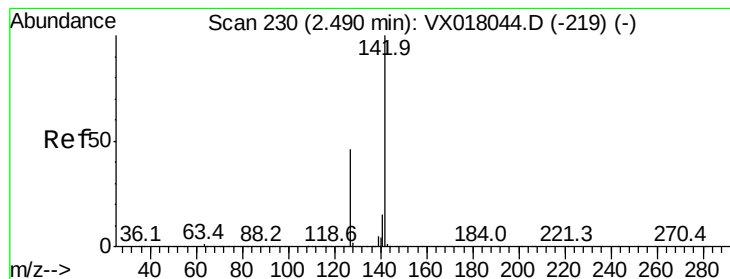
200

0

Time-->

2.10 2.15 2.20





#10

Methyl Iodide

Concen: 5.344 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018414.D

Acq: 15 Sep 2020 18:02

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#05

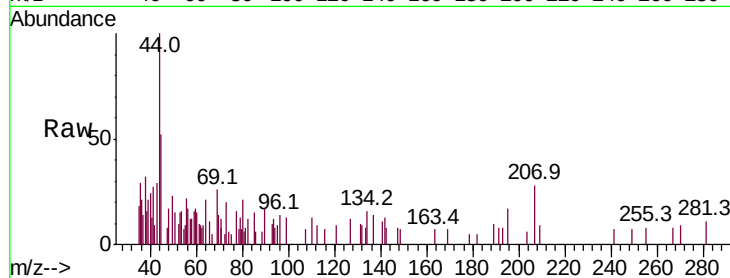
Tot Ion:142 Resp: 282

Ion Ratio Lower Upper

142 100

127 103.9 37.0 55.6#

141 23.8 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

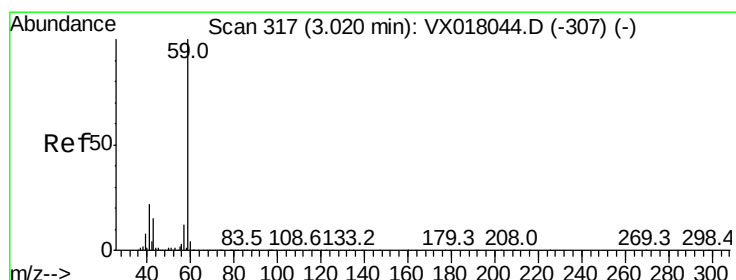
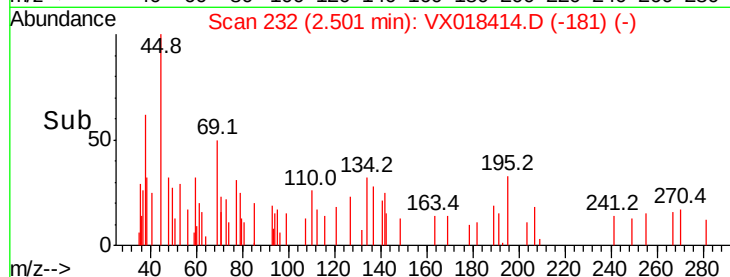
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.50

2.46 2.48 2.50 2.52

Time-->



#11

Tert butyl alcohol

Concen: 0.678 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX018414.D

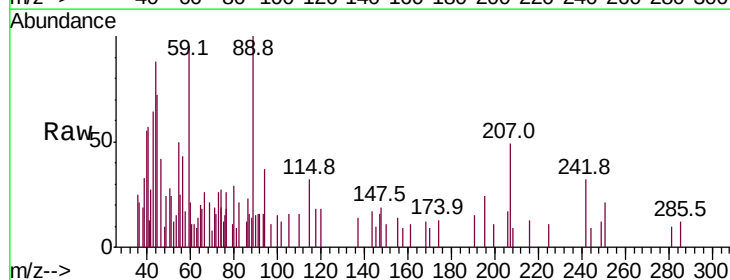
Acq: 15 Sep 2020 18:02

Tgt Ion: 59 Resp: 797

Ion Ratio Lower Upper

59 100

57 24.2 8.9 13.3#



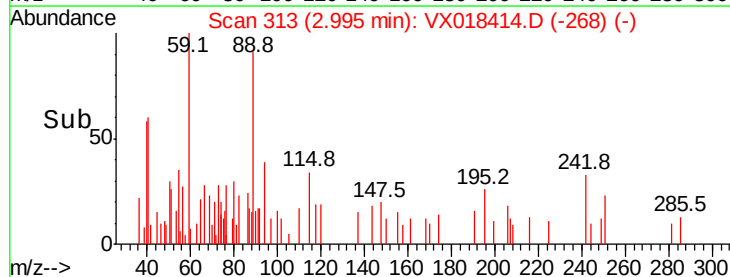
Abundance Ion 59.00 (58.70 to 59.70): VX0

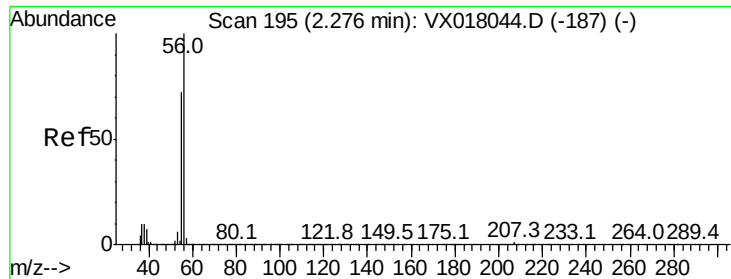
Ion 57.00 (56.70 to 57.70): VX0

3.00

2.94 2.96 2.98 3.00

Time-->





#13

Acrolein

Concen: 0.326 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX018414.D

Acq: 15 Sep 2020 18:02

Instrument :

MSVOA_X

ClientSampleId :

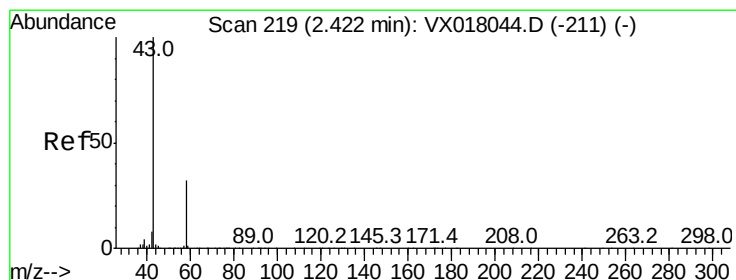
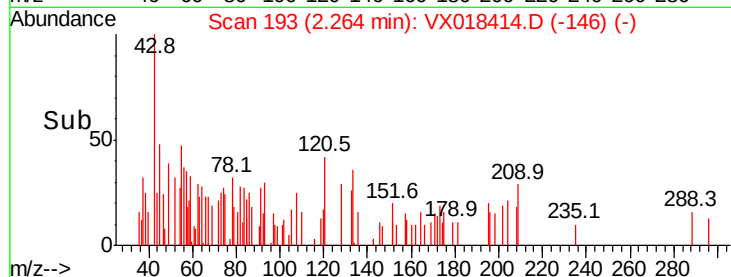
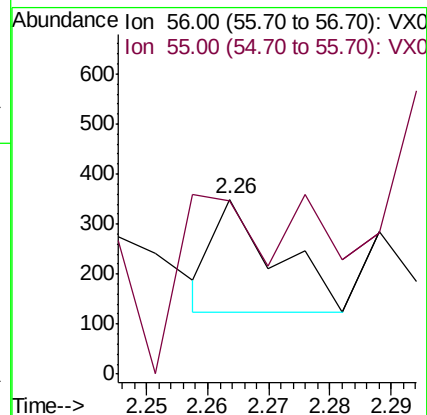
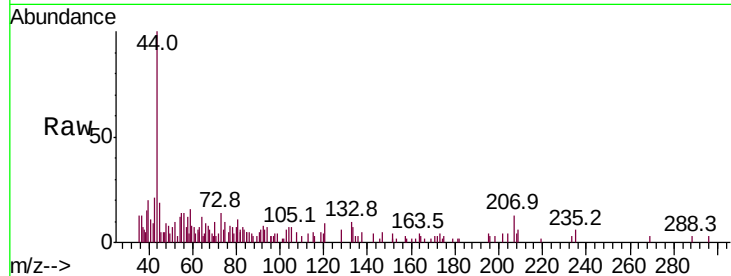
PB131607ZHE#05

Tot Ion: 56 Resp: 159

Ion Ratio Lower Upper

56 100

55 211.9 57.0 85.6#



#16

Acetone

Concen: 9.332 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018414.D

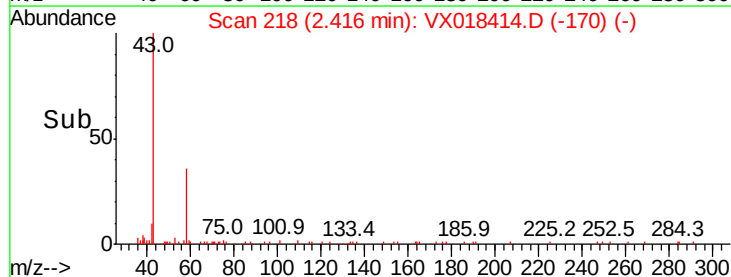
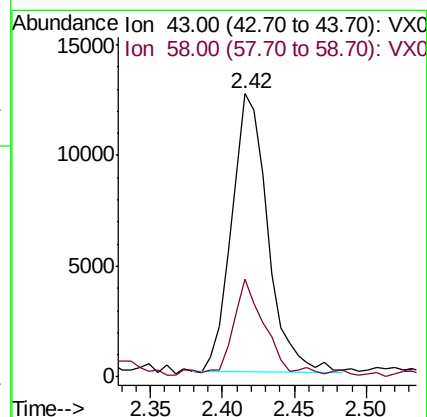
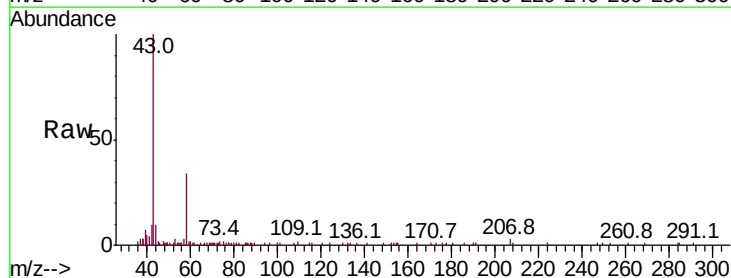
Acq: 15 Sep 2020 18:02

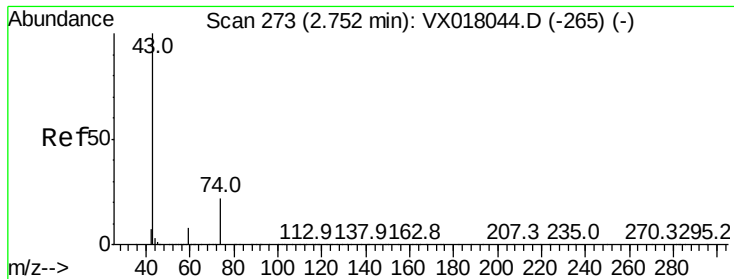
Tgt Ion: 43 Resp: 21990

Ion Ratio Lower Upper

43 100

58 32.7 25.5 38.3

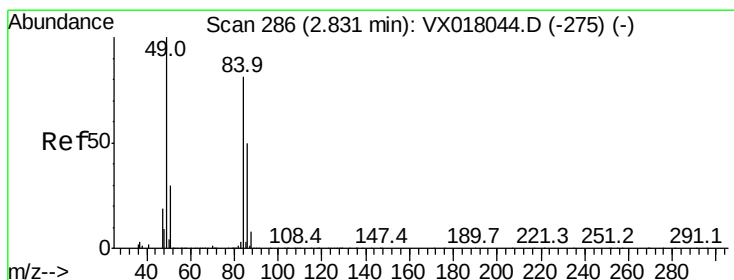
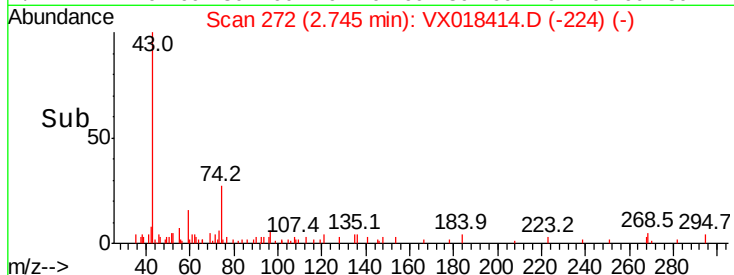
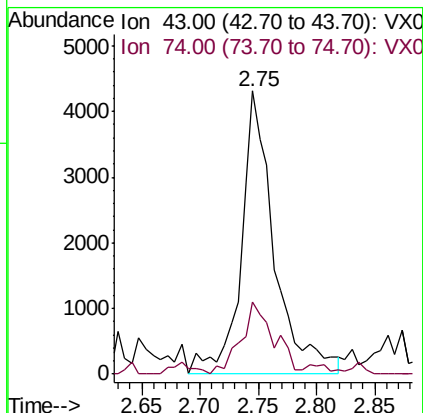
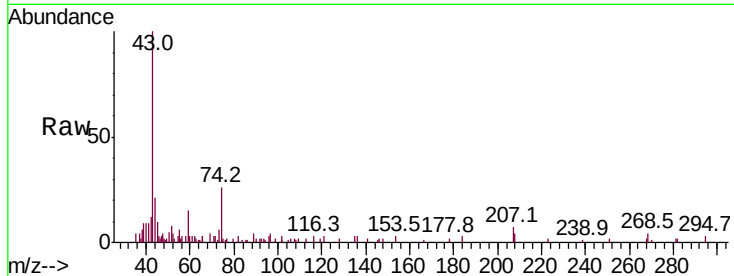




#18
Methyl Acetate
Concen: 1.506 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018414.D
Acq: 15 Sep 2020 18:02

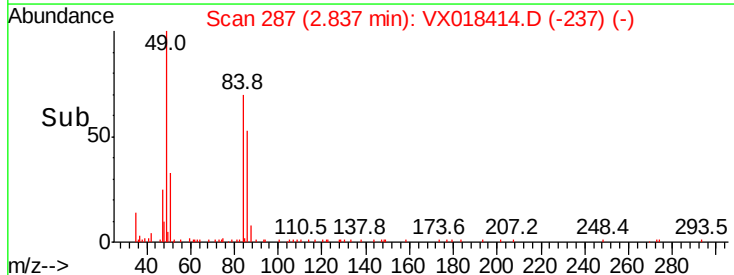
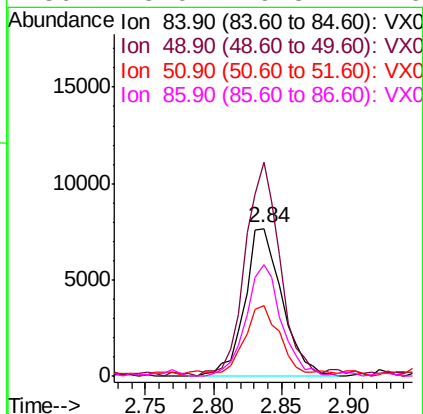
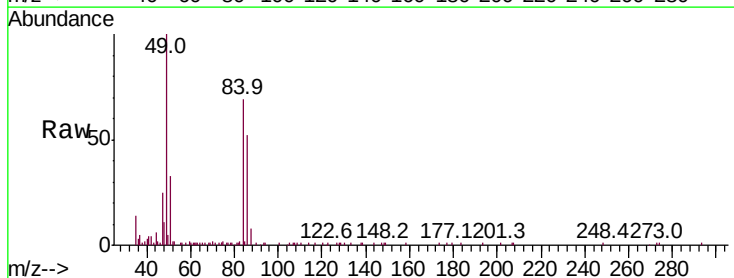
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#05

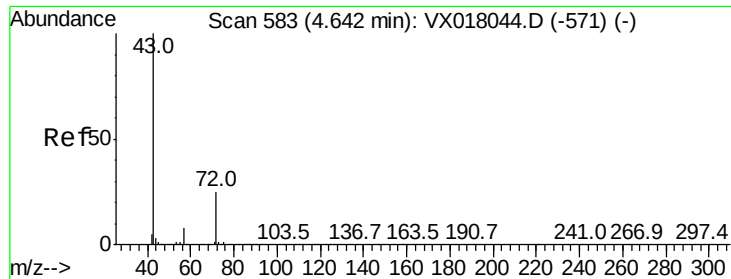
Tot Ion: 43 Resp: 8563
Ion Ratio Lower Upper
43 100
74 25.5 18.2 27.4



#20
Methylene Chloride
Concen: 1.946 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018414.D
Acq: 15 Sep 2020 18:02

Tgt Ion: 84 Resp: 14784
Ion Ratio Lower Upper
84 100
49 143.2 98.6 148.0
51 45.5 29.6 44.4#
86 75.0 49.8 74.6#





#25

2-Butanone

Concen: 1.679 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX018414.D

Acq: 15 Sep 2020 18:02

Instrument :

MSVOA_X

ClientSampleId :

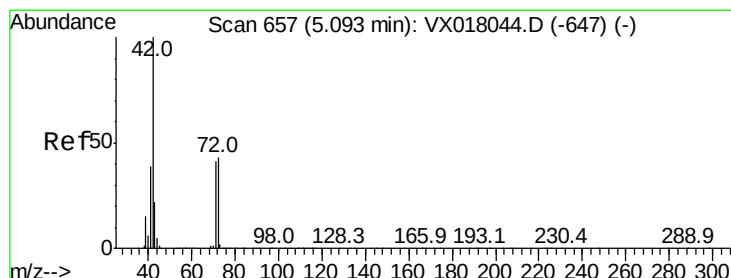
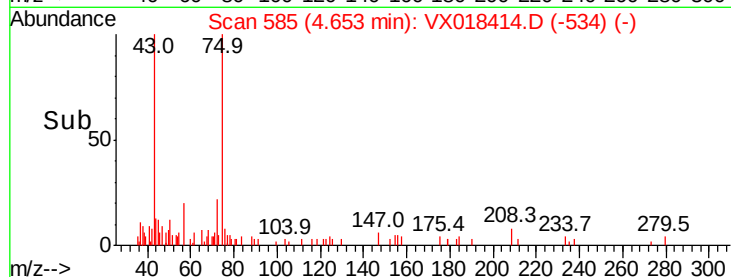
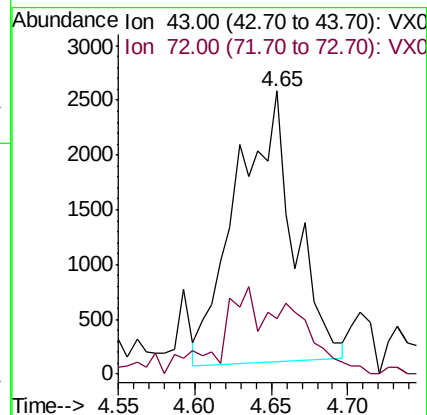
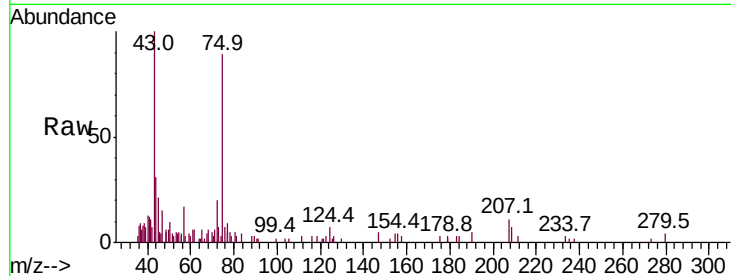
PB131607ZHE#05

Tot Ion: 43 Resp: 6503

Ion Ratio Lower Upper

43 100

72 22.0 19.8 29.6



#29

Tetrahydrofuran

Concen: 0.864 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX018414.D

Acq: 15 Sep 2020 18:02

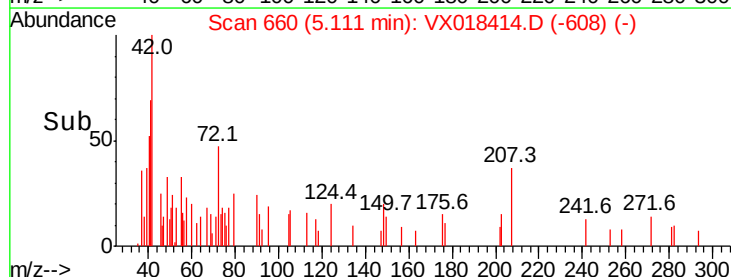
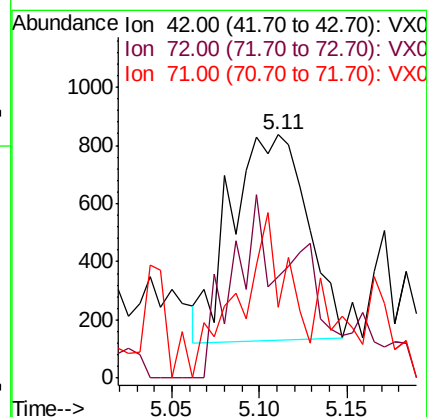
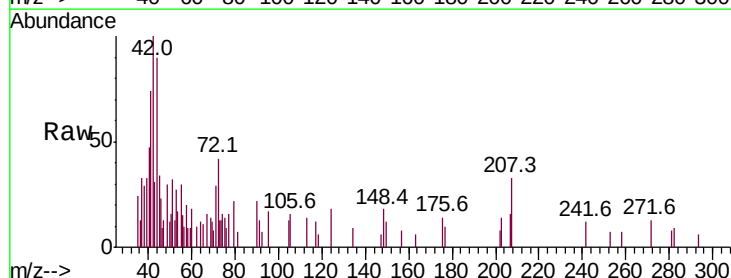
Tgt Ion: 42 Resp: 2130

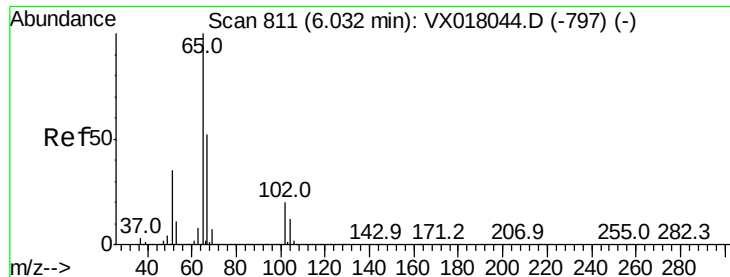
Ion Ratio Lower Upper

42 100

72 44.9 34.2 51.4

71 52.3 32.1 48.1#

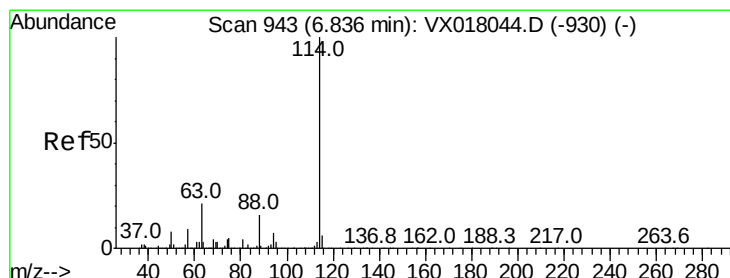
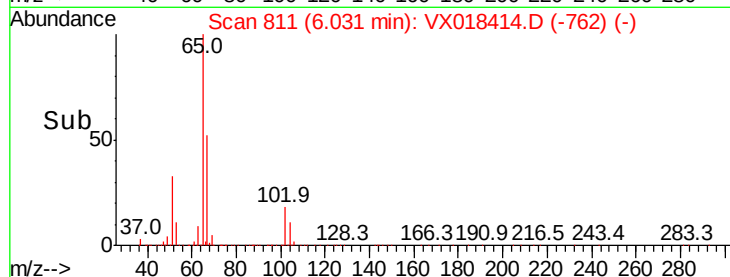
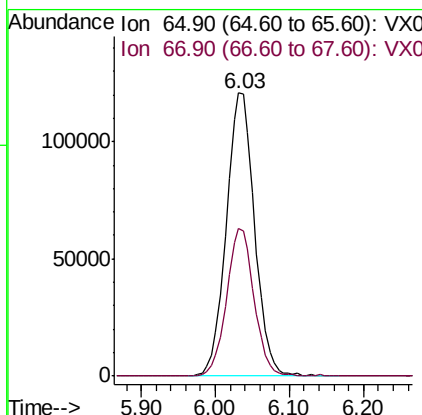
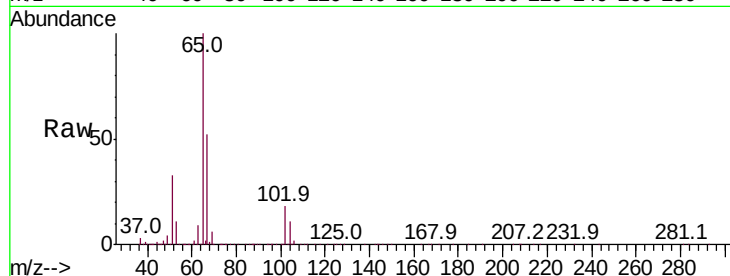




#33
 1,2-Dichloroethane-d4
 Concen: 52.974 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018414.D
 Acq: 15 Sep 2020 18:02

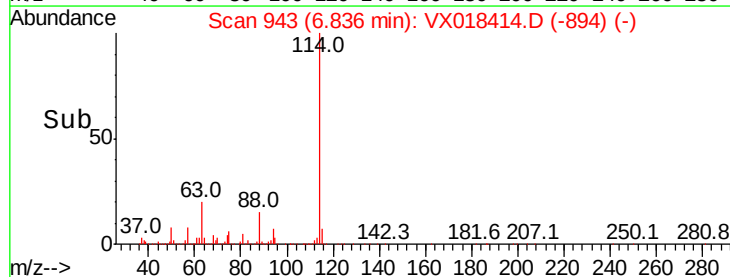
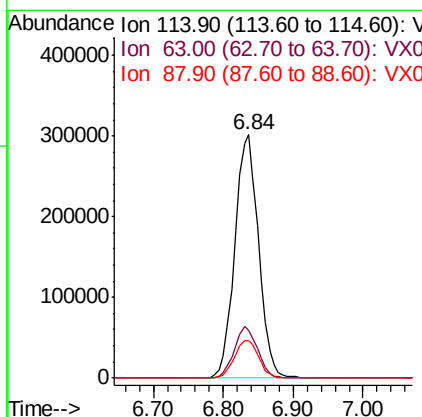
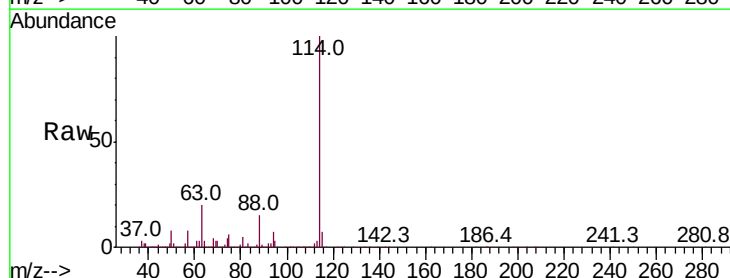
Instrument :
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 PB131607ZHE#05

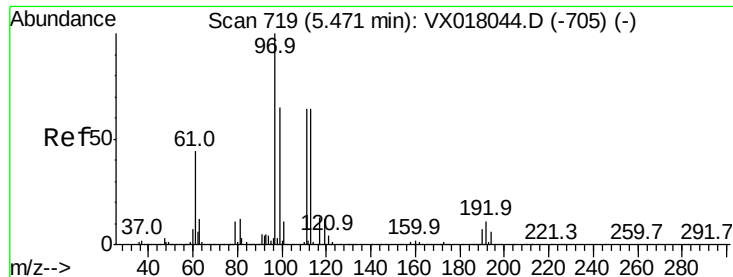
Tot Ion: 65 Resp: 320362
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018414.D
 Acq: 15 Sep 2020 18:02

Tgt Ion: 114 Resp: 711038
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.6
 88 15.3 0.0 31.8

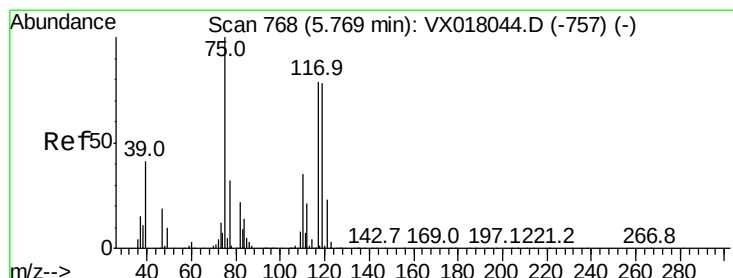
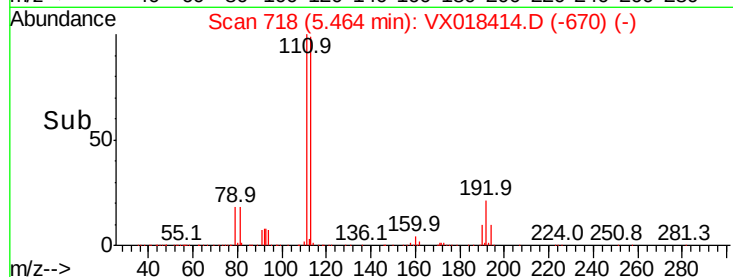
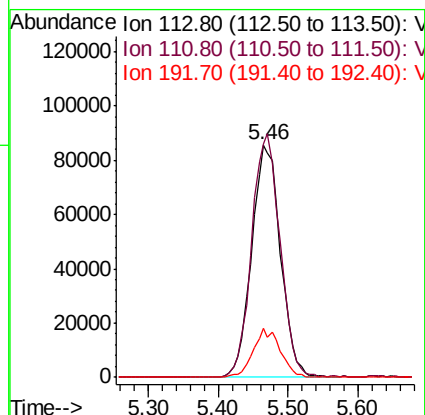
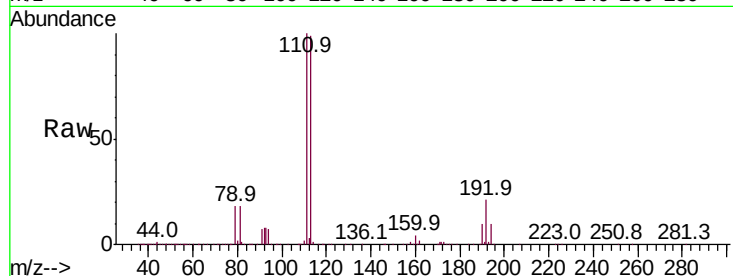




#35
Dibromofluoromethane
Concen: 50.692 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX018414.D
Acq: 15 Sep 2020 18:02

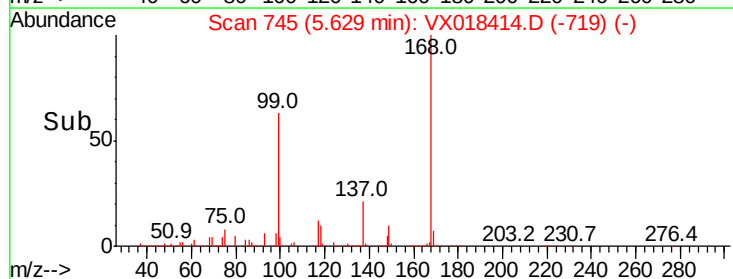
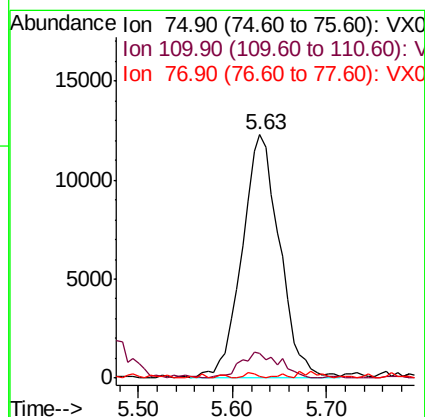
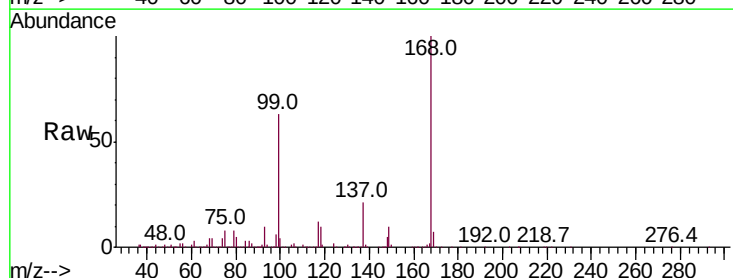
Instrument :
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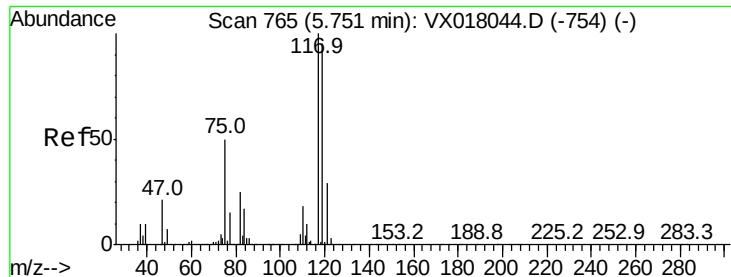
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.6	122.4
192	19.7	15.8	23.8



#36
1,1-Dichloropropene
Concen: 5.228 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX018414.D
Acq: 15 Sep 2020 18:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.0	54.0#
77	0.7	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.395 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018414.D

Acq: 15 Sep 2020 18:02

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#05

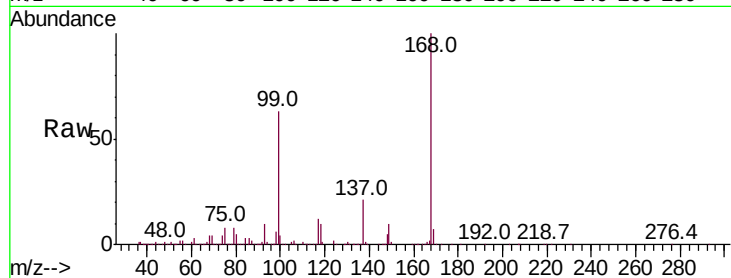
Tot Ion:117 Resp: 47268

Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.6#

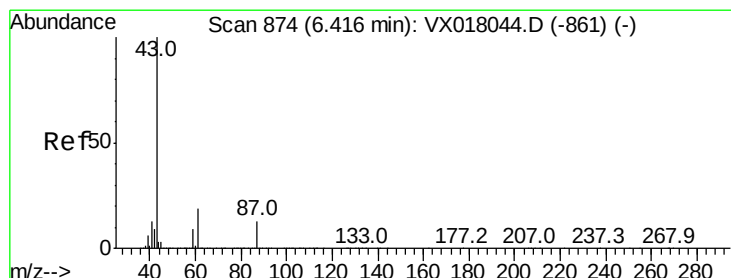
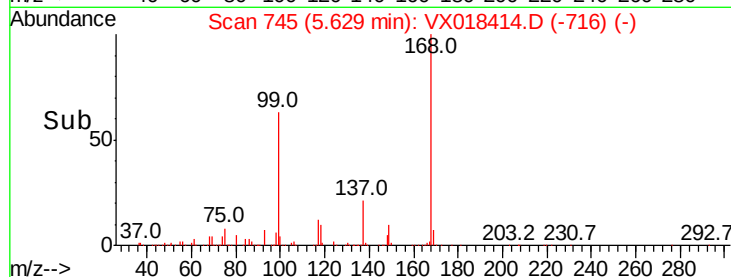
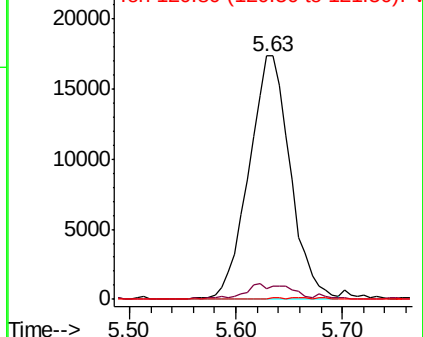
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.828 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018414.D

Acq: 15 Sep 2020 18:02

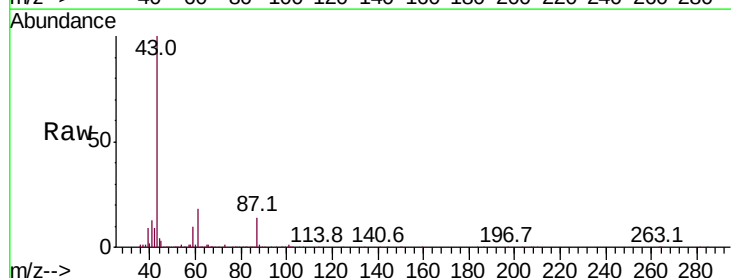
Tgt Ion: 43 Resp: 120909

Ion Ratio Lower Upper

43 100

61 20.1 15.7 23.5

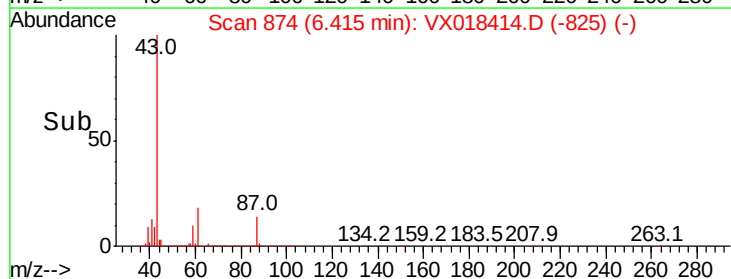
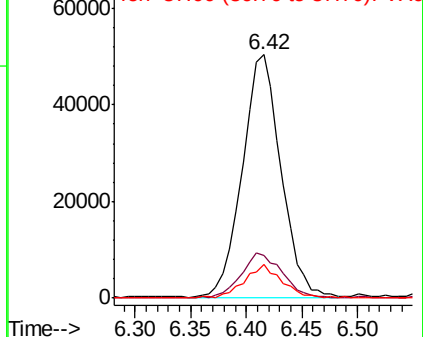
87 13.4 10.3 15.5

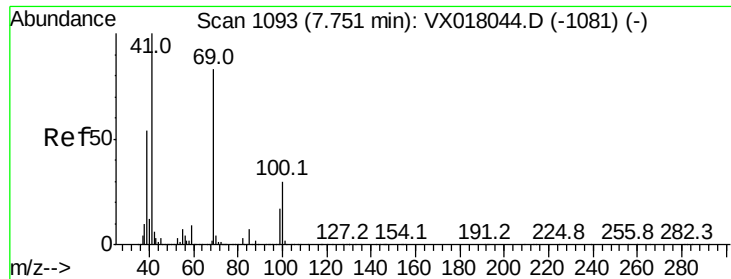


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

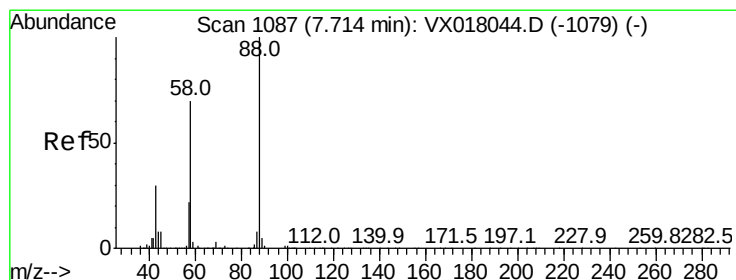
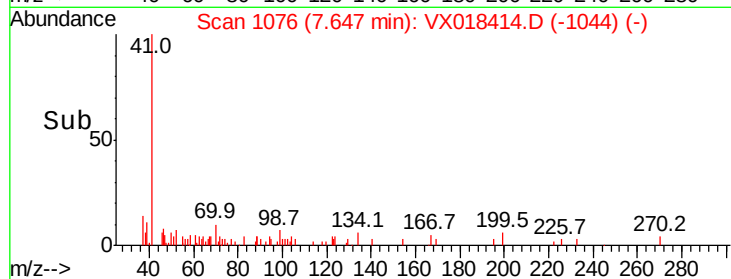
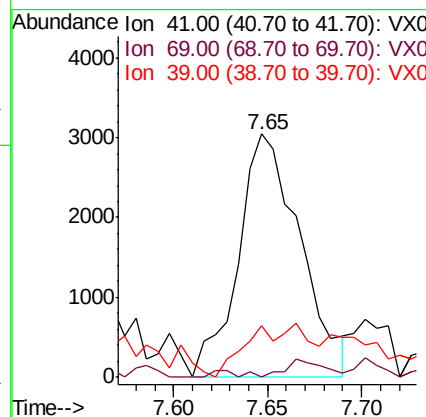
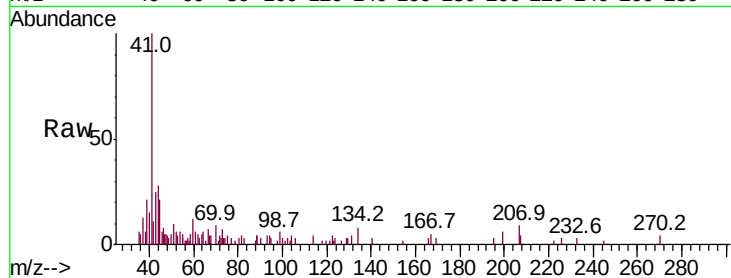




#48
Methyl methacrylate
Concen: 1.134 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.10 min
Lab File: VX018414.D
Acq: 15 Sep 2020 18:02

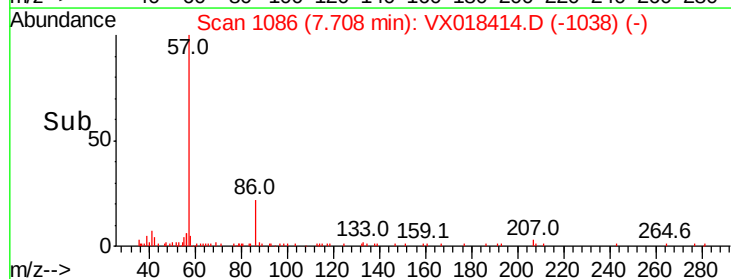
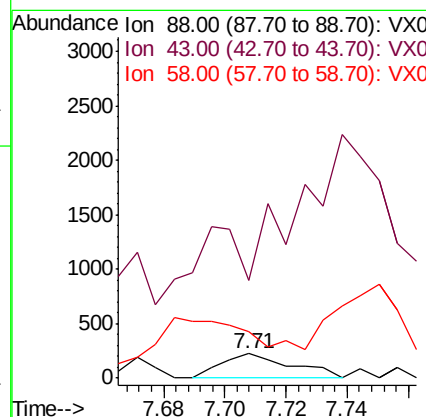
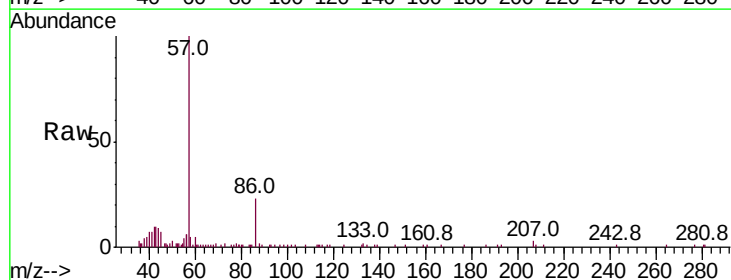
Instrument :
MSVOA_X
ClientSampleId :
PB131607ZHE#05

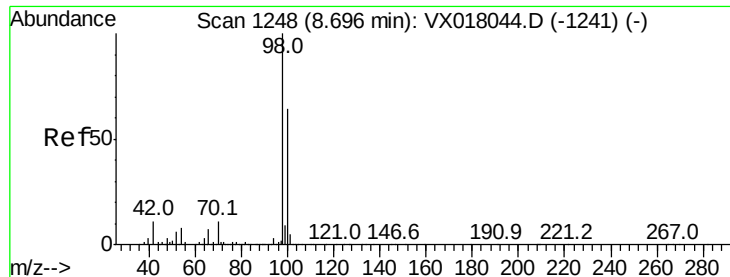
Tot Ion	Ratio	Lower	Upper
41	100		
69	4.5	65.5	98.3#
39	0.0	44.5	66.7#



#49
1,4-Dioxane
Concen: 3.227 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX018414.D
Acq: 15 Sep 2020 18:02

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





#50

Toluene-d8

Concen: 49.775 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018414.D

Acq: 15 Sep 2020 18:02

Instrument :

MSVOA_X

ClientSampleId :

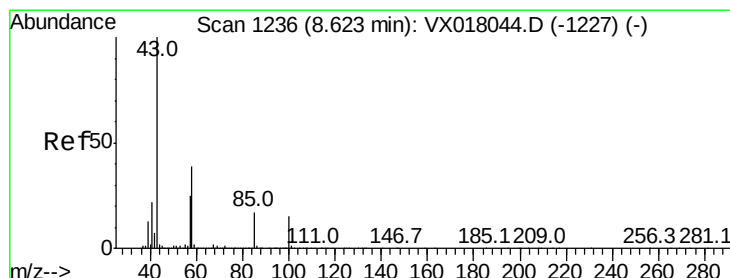
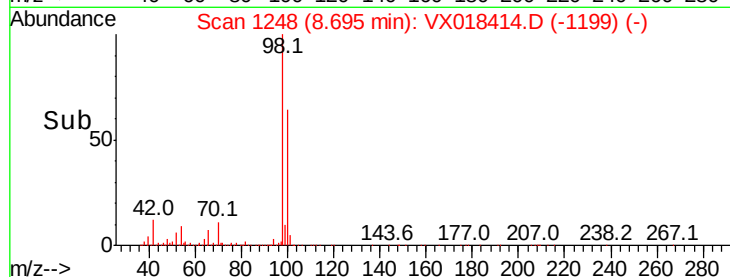
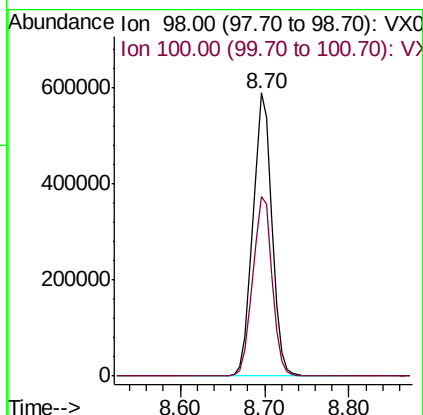
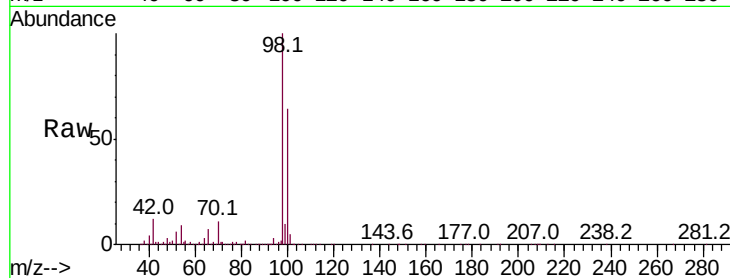
PB131607ZHE#05

Tot Ion: 98 Resp: 897750

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 15.815 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018414.D

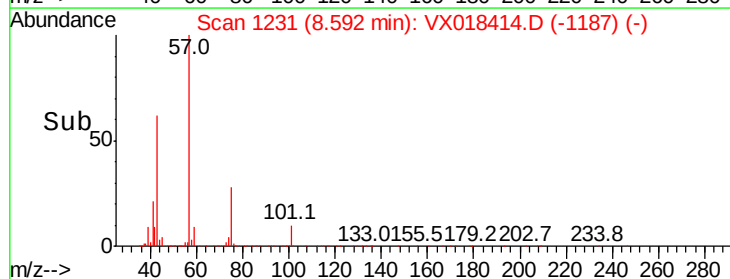
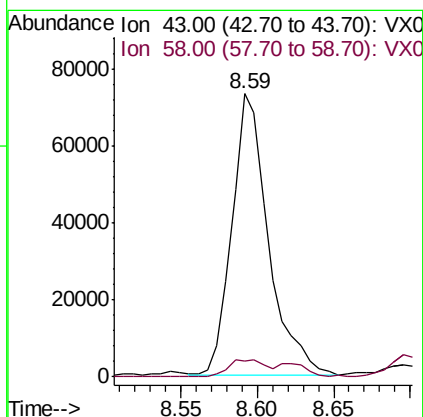
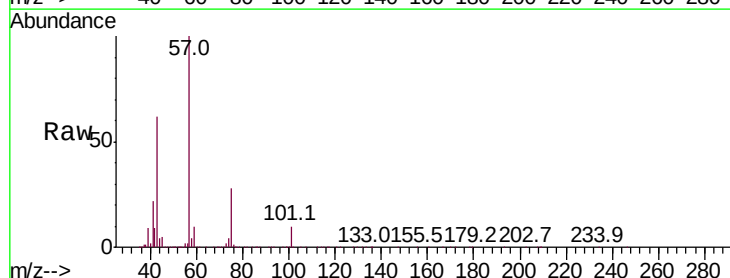
Acq: 15 Sep 2020 18:02

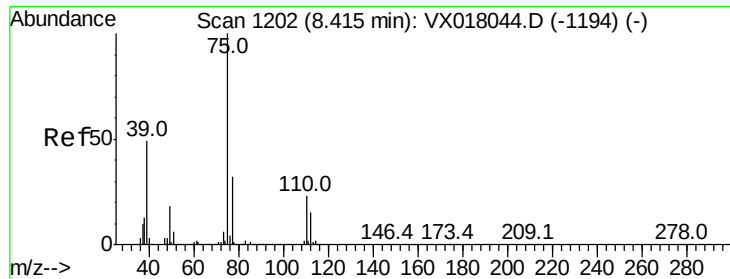
Tgt Ion: 43 Resp: 120185

Ion Ratio Lower Upper

43 100

58 6.5 30.7 46.1#



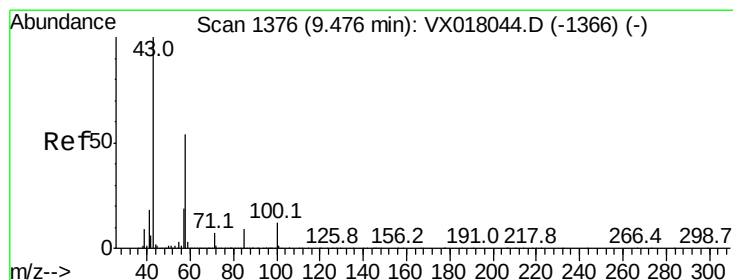
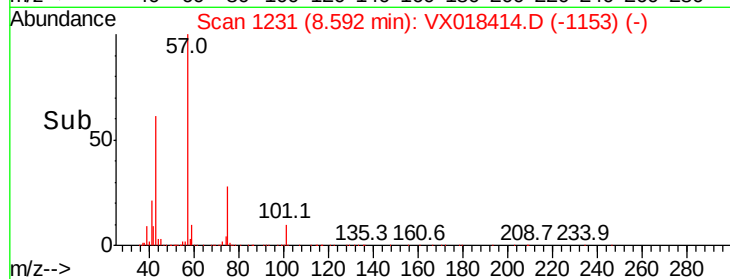
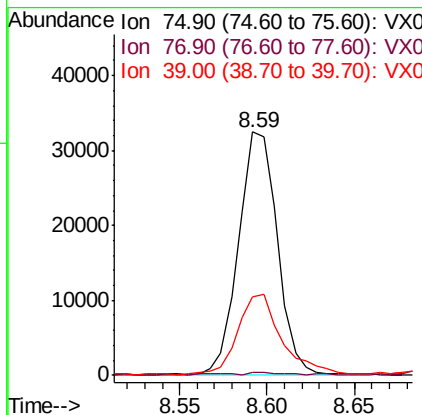
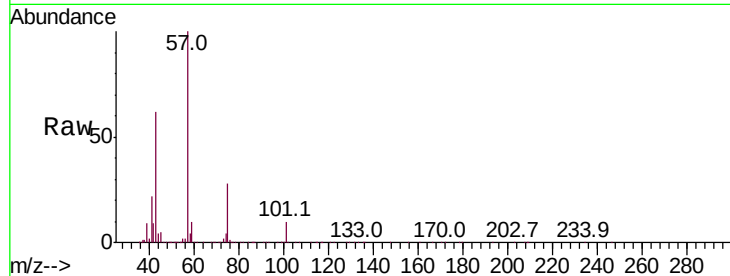


#54

cis-1,3-Dichloropropene
 Concen: 5.817 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX018414.D
 Acq: 15 Sep 2020 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#05

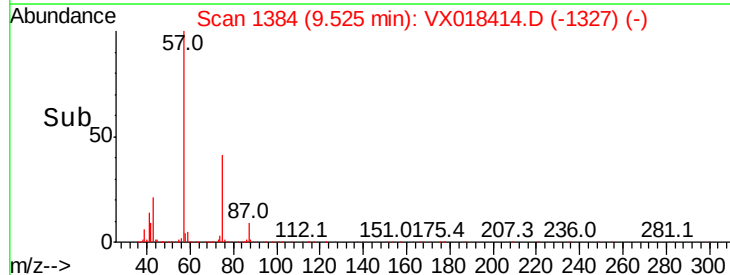
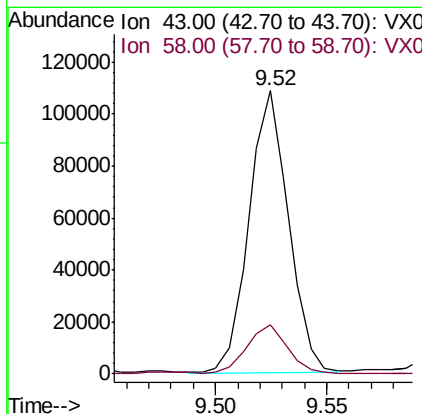
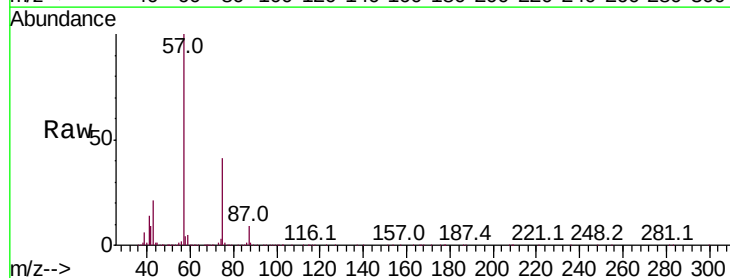
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.0	25.8	38.8#
39	31.8	38.8	58.2#

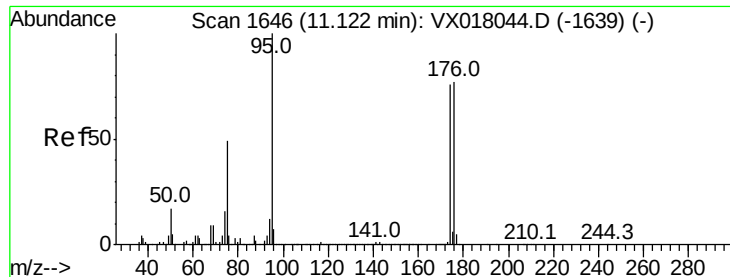


#59

2-Hexanone
 Concen: 23.210 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.05 min
 Lab File: VX018414.D
 Acq: 15 Sep 2020 18:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	18.1	26.6	79.7#





#62

4-Bromofluorobenzene

Concen: 48.400 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018414.D

Acq: 15 Sep 2020 18:02

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#05

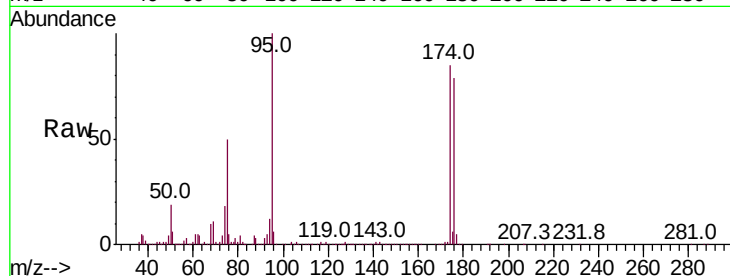
Tot Ion: 95 Resp: 343453

Ion Ratio Lower Upper

95 100

174 82.3 0.0 160.2

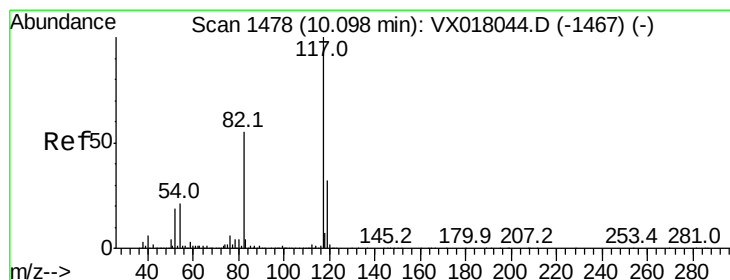
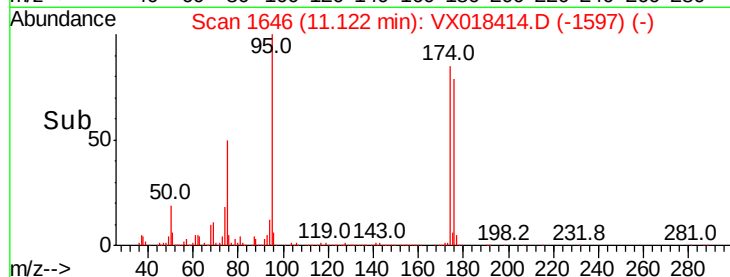
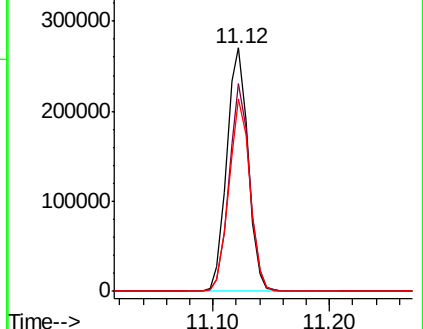
176 78.1 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018414.D

Acq: 15 Sep 2020 18:02

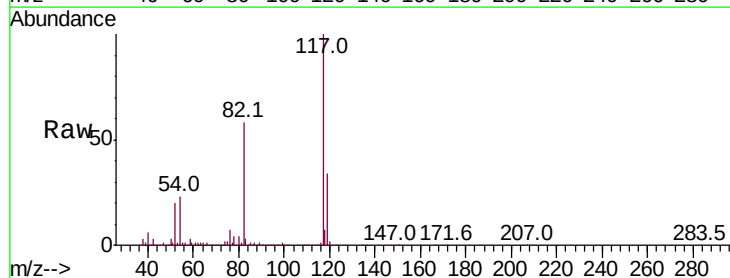
Tgt Ion: 117 Resp: 712128

Ion Ratio Lower Upper

117 100

82 58.2 44.2 66.2

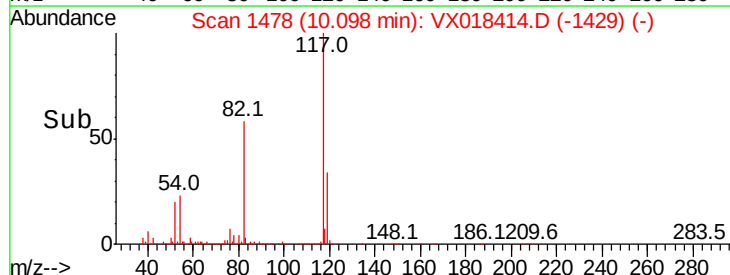
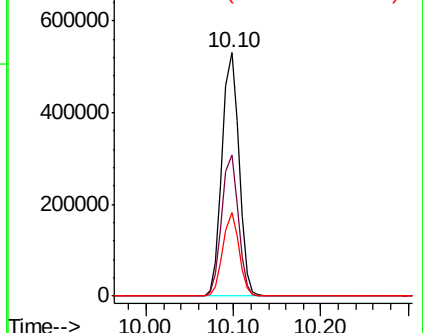
119 34.3 25.7 38.5

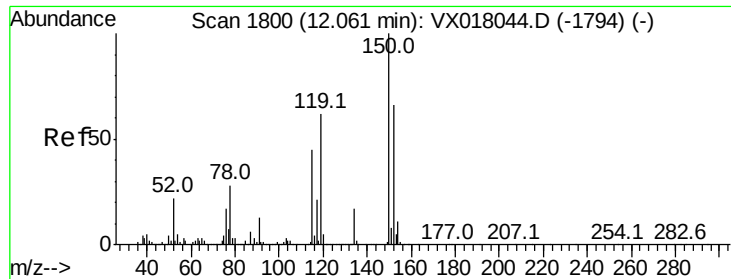


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX018414.D

Acq: 15 Sep 2020 18:02

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#05

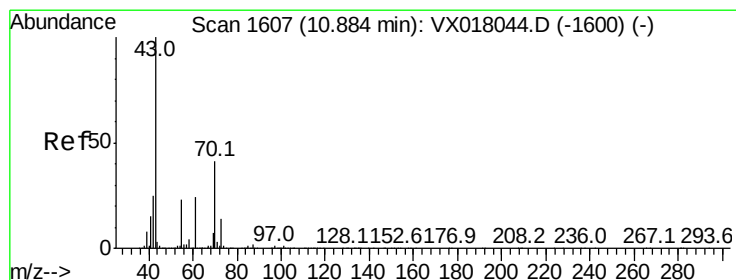
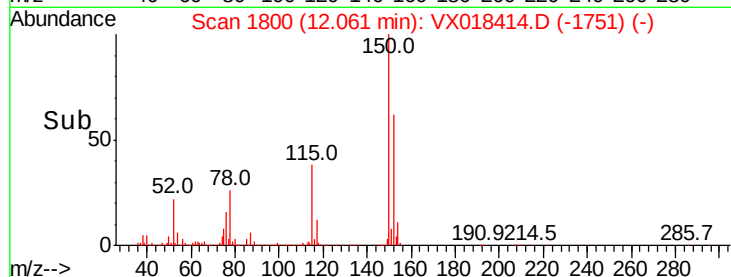
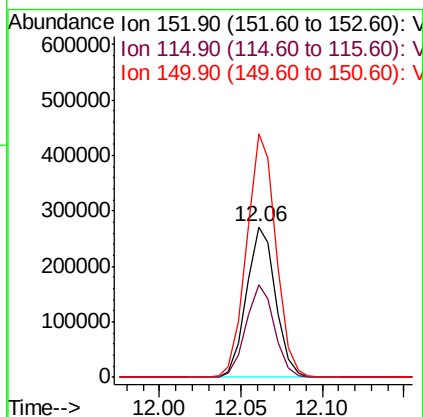
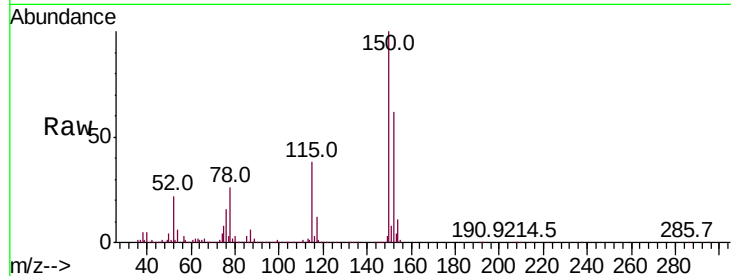
Tot Ion:152 Resp: 337423

Ion Ratio Lower Upper

152 100

115 60.5 41.5 124.5

150 162.3 0.0 343.8



#74

N-ethyl acetate

Concen: 0.518 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018414.D

Acq: 15 Sep 2020 18:02

Tgt Ion: 43 Resp: 5466

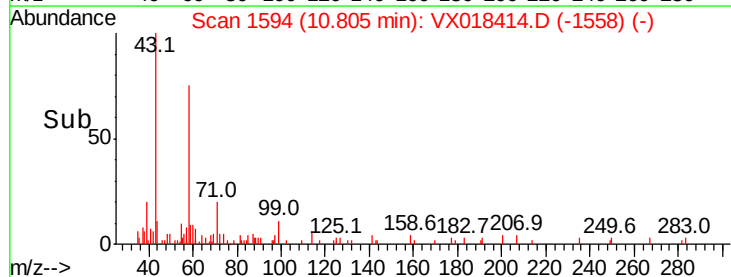
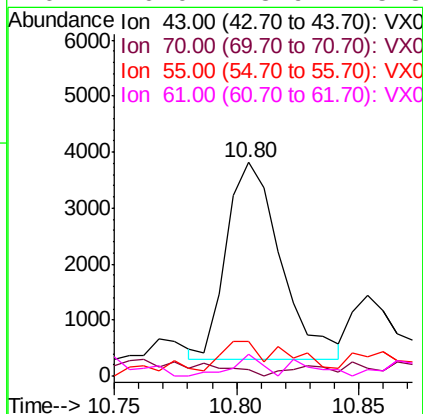
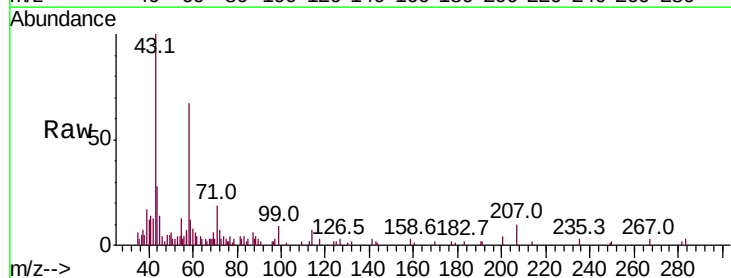
Ion Ratio Lower Upper

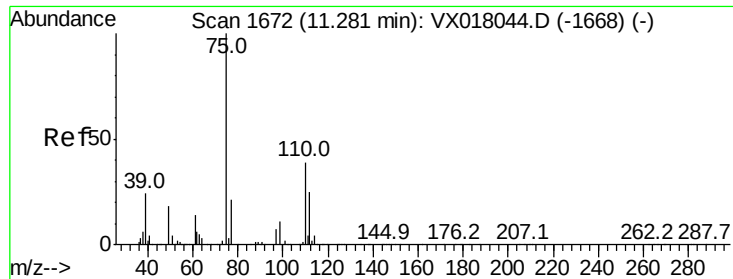
43 100

70 0.0 32.3 48.5#

55 10.2 18.2 27.2#

61 0.0 18.9 28.3#

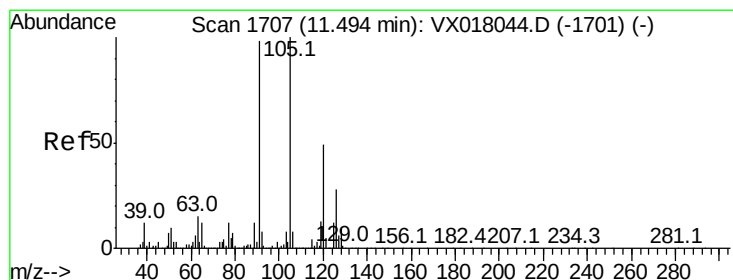
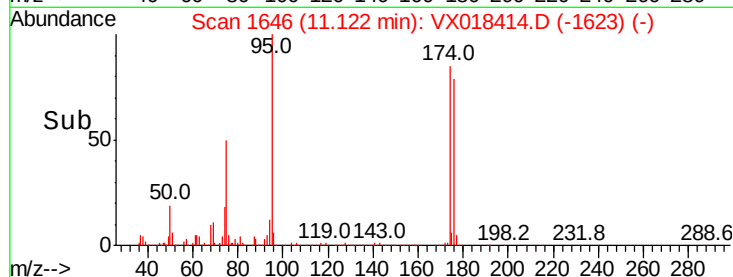
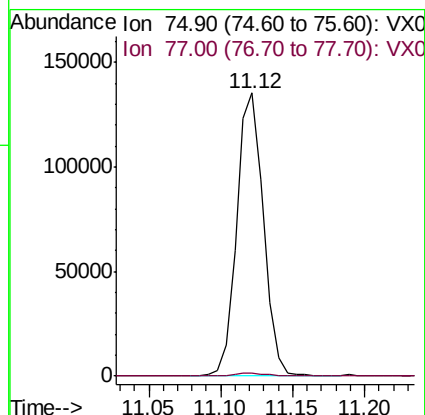
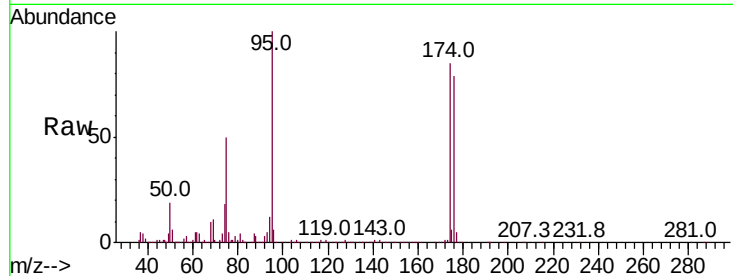




#76
 1,2,3-Trichloropropane
 Concen: 23.353 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018414.D
 Acq: 15 Sep 2020 18:02

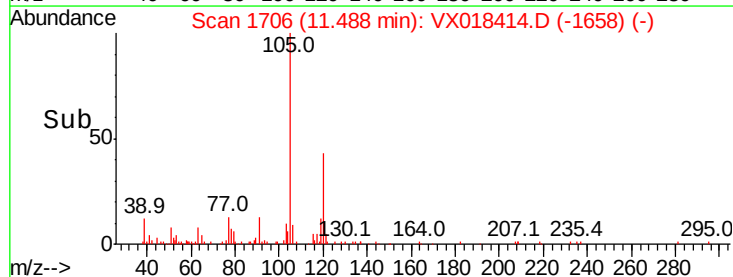
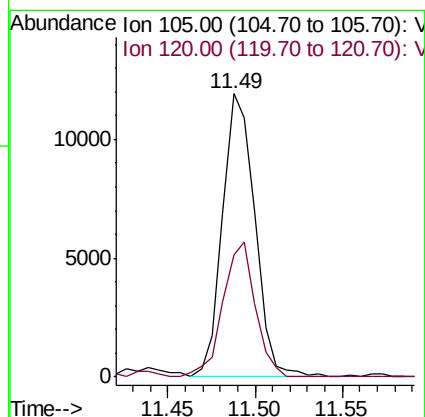
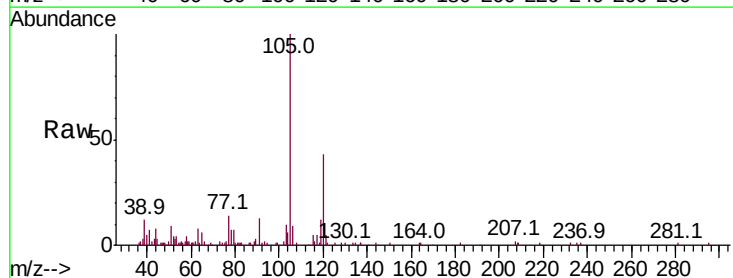
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131607ZHE#05

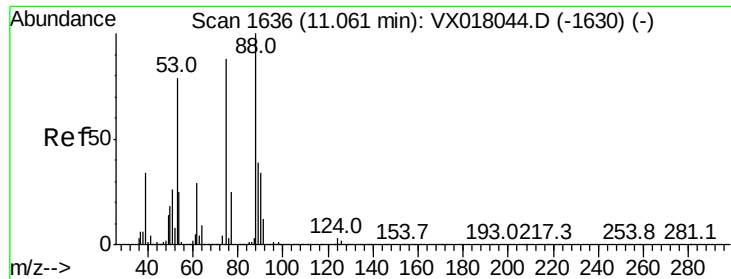
Tot Ion: 75 Resp: 175290
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.8 62.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.841 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX018414.D
 Acq: 15 Sep 2020 18:02

Tgt Ion: 105 Resp: 15386
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 63.073 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018414.D

Acq: 15 Sep 2020 18:02

Instrument :

MSVOA_X

ClientSampleId :

PB131607ZHE#05

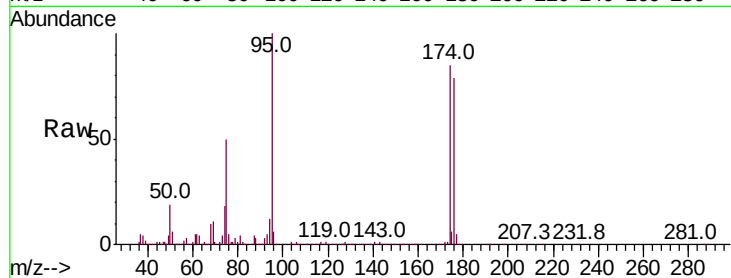
Tot Ion: 75 Resp: 175290

Ion Ratio Lower Upper

75 100

53 0.4 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

