

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018284.D
 Acq On : 08 Sep 2020 18:42
 Operator : JC/SP
 Sample : PB131451ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451ZHE#05

Quant Time: Sep 09 01:23:56 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	441122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	706250	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	703255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	345276	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	314924	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	5.47	113	245295	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	8.70	98	903763	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.12	95	343326	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds

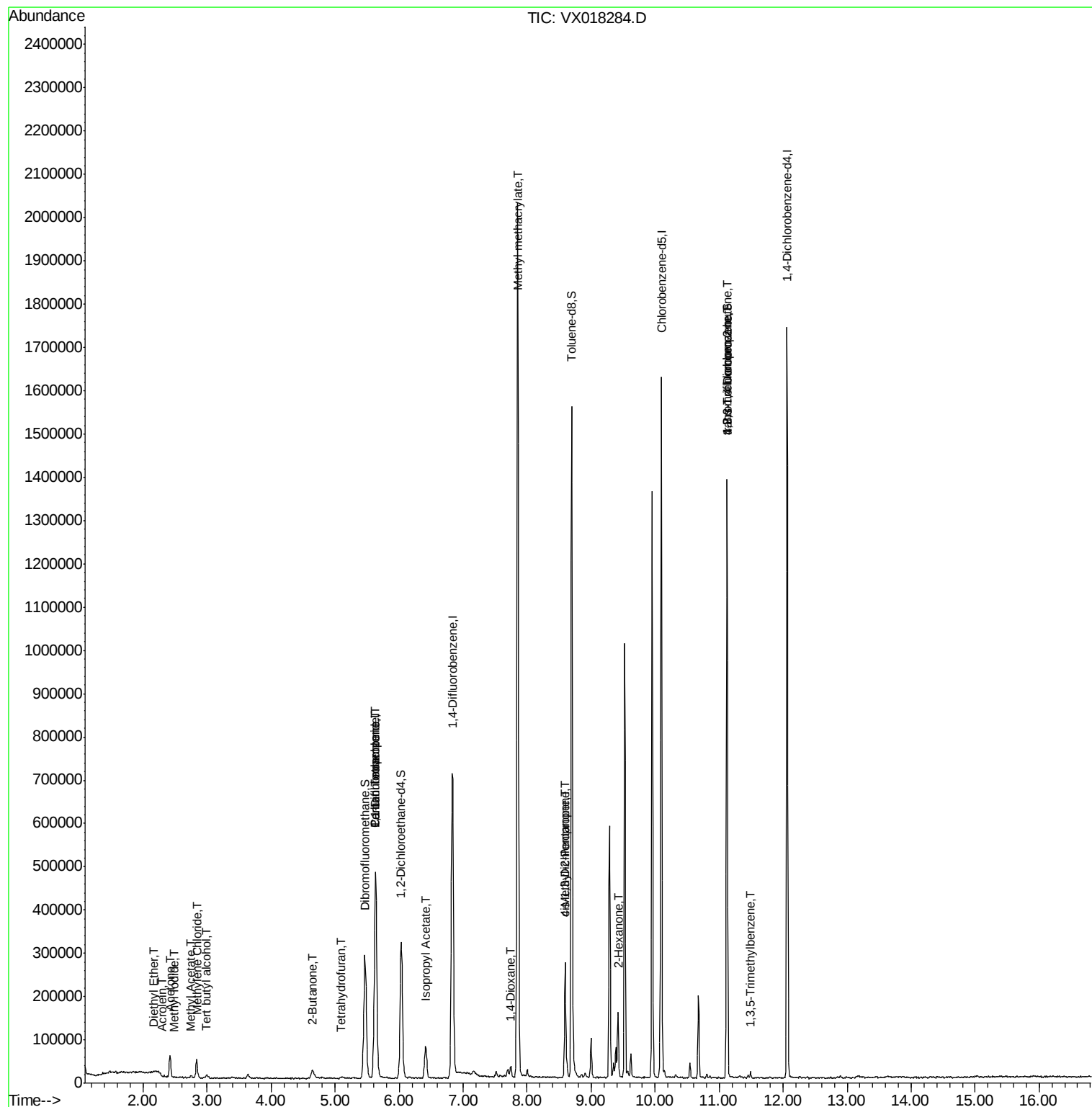
	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1047	0.402	ug/l	86
10) Methyl Iodide	2.50	142	22	5.291	ug/l #	1
11) Tert butyl alcohol	3.00	59	5064	4.253	ug/l #	93
13) Acrolein	2.29	56	110	0.223	ug/l #	1
16) Acetone	2.42	43	59376	24.883	ug/l	90
18) Methyl Acetate	2.75	43	6858	1.191	ug/l	100
20) Methylene Chloride	2.84	84	18933	2.777	ug/l	90
25) 2-Butanone	4.65	43	9951	2.537	ug/l #	89
29) Tetrahydrofuran	5.09	42	672	0.269	ug/l #	34
36) 1,1-Dichloropropene	5.64	75	32943	5.057	ug/l #	52
38) Carbon Tetrachloride	5.64	117	44896	6.116	ug/l #	19
43) Isopropyl Acetate	6.42	43	104895	8.584	ug/l	98
48) Methyl methacrylate	7.85	41	180235	29.628	ug/l #	43
49) 1,4-Dioxane	7.74	88	267	2.423	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	104637	13.862	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	42701	5.021	ug/l #	60
59) 2-Hexanone	9.42	43	98081	17.088	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	172735	22.489	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	5516	0.295	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.12	75	172735	60.740	ug/l #	12

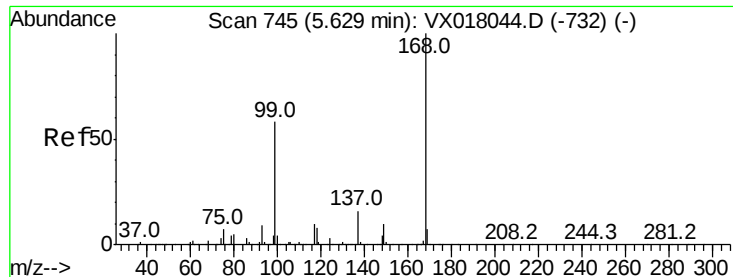
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090820\
Data File : VX018284.D
Acq On : 08 Sep 2020 18:42
Operator : JC/SP
Sample : PB131451ZHE#05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#05

Quant Time: Sep 09 01:23:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018284.D

Acq: 08 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

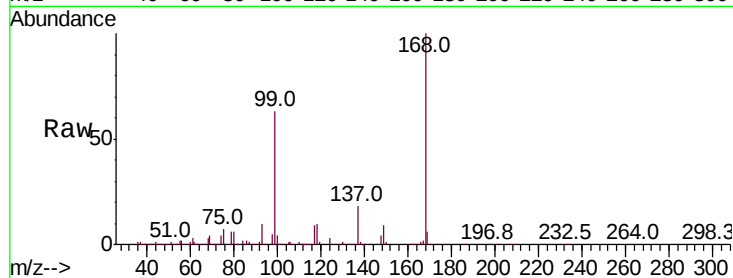
PB131451ZHE#05

Tot Ion:168 Resp: 441122

Ion Ratio Lower Upper

168 100

99 63.0 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

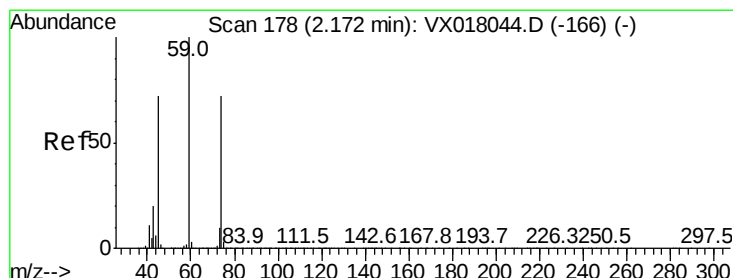
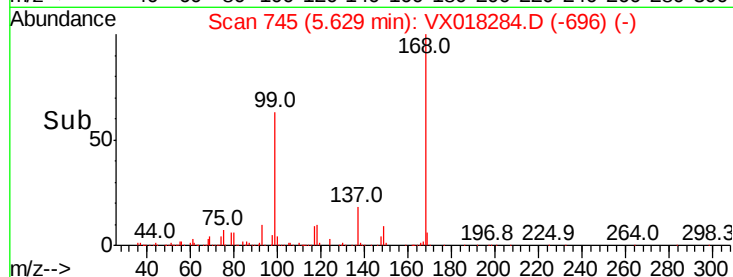
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#8

Diethyl Ether

Concen: 0.402 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.01 min

Lab File: VX018284.D

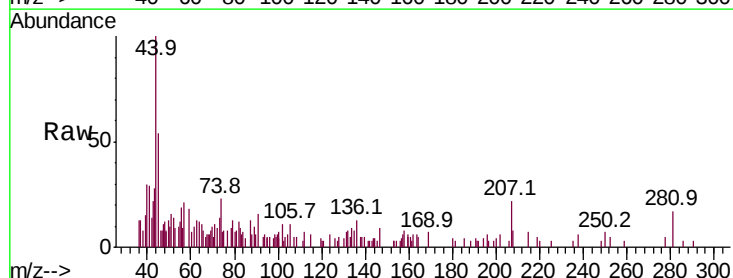
Acq: 08 Sep 2020 18:42

Tgt Ion: 74 Resp: 1047

Ion Ratio Lower Upper

74 100

45 116.0 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

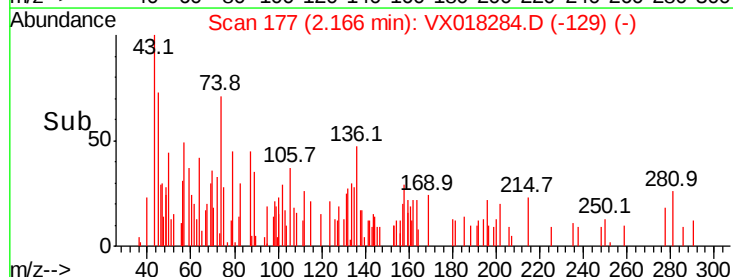
400

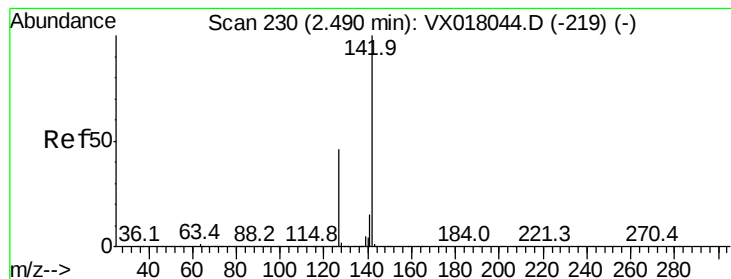
200

0

2.10 2.15 2.20

Time-->





#10

Methyl Iodide

Concen: 5.291 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018284.D

Acq: 08 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#05

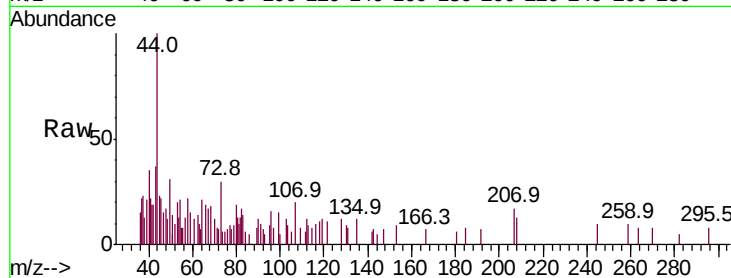
Tot Ion:142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

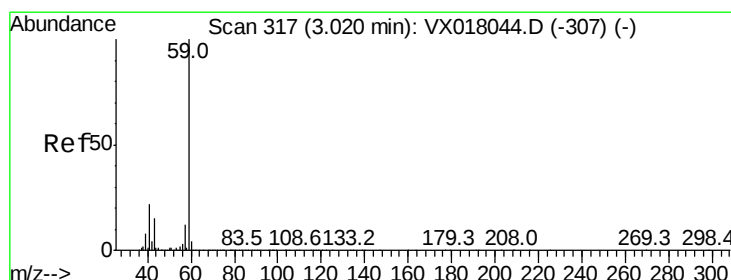
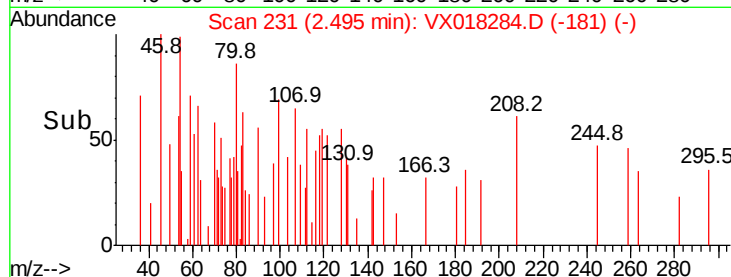
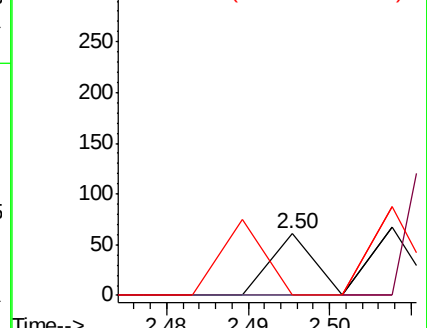
141 122.7 11.5 17.3#



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: 4.253 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX018284.D

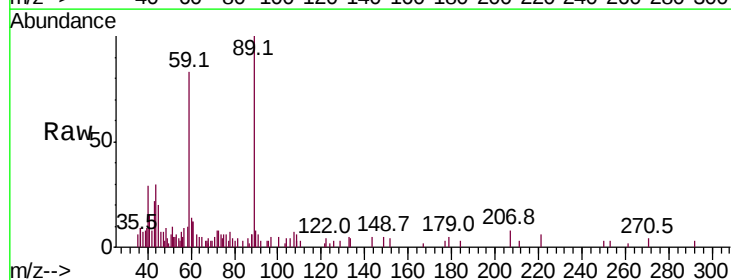
Acq: 08 Sep 2020 18:42

Tgt Ion: 59 Resp: 5064

Ion Ratio Lower Upper

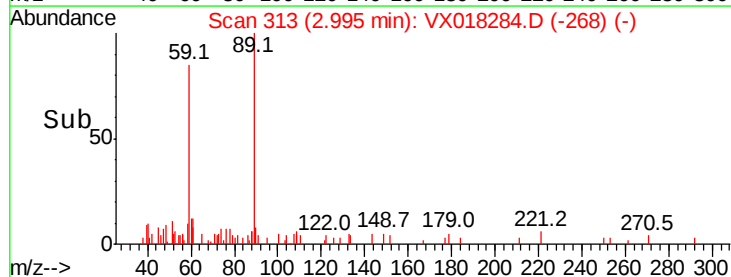
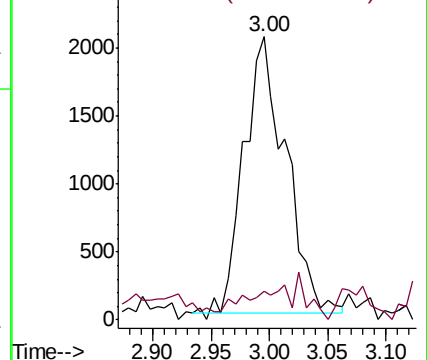
59 100

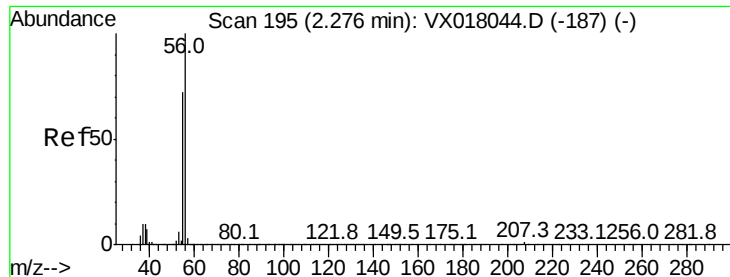
57 8.4 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

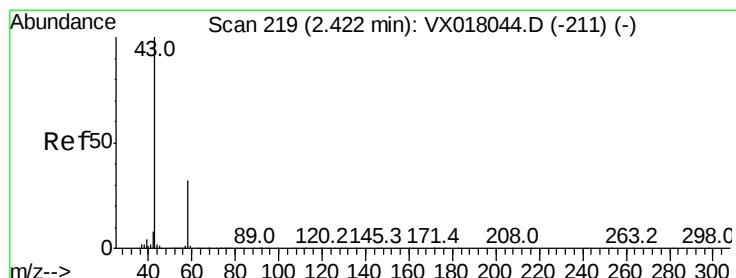
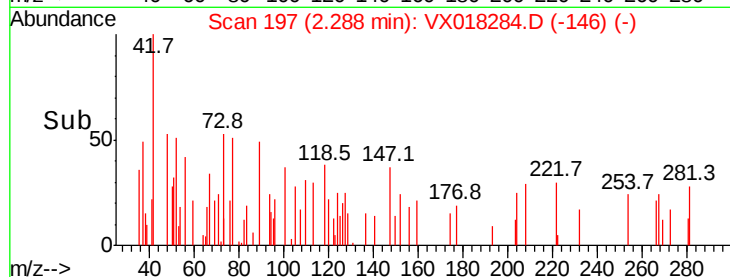
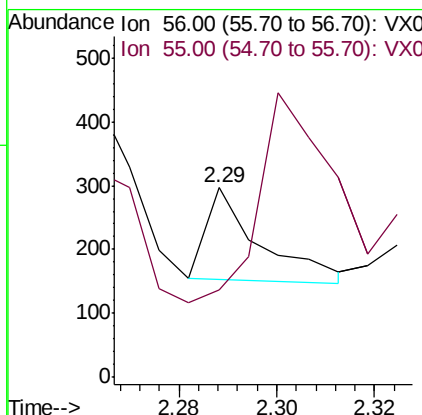
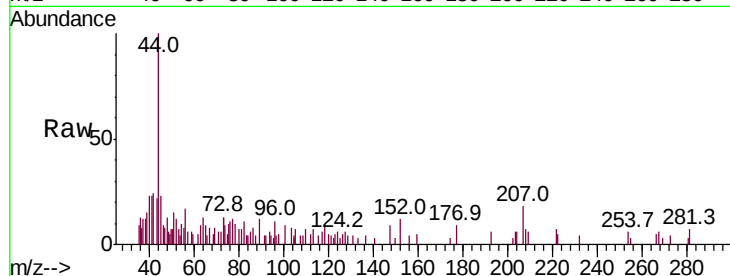




#13
Acrolein
Concen: 0.223 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX018284.D
Acq: 08 Sep 2020 18:42

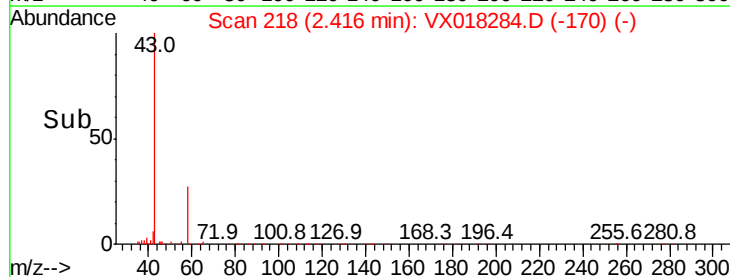
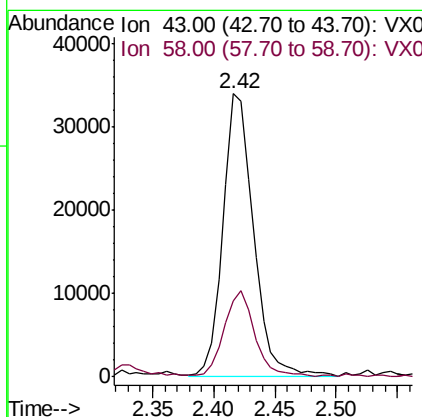
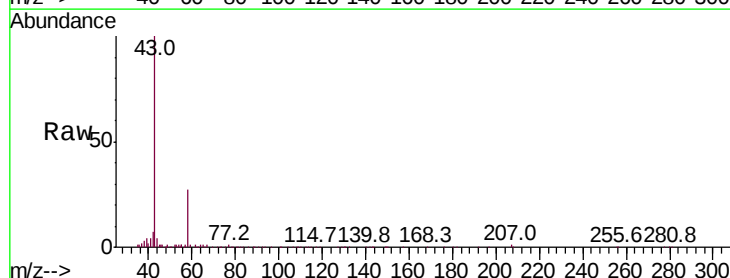
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#05

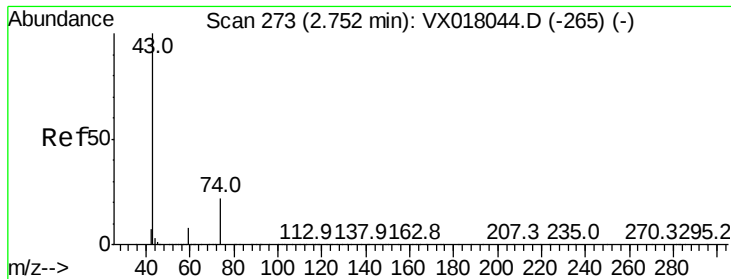
Tot Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 474.5 57.0 85.6#



#16
Acetone
Concen: 24.883 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018284.D
Acq: 08 Sep 2020 18:42

Tgt Ion: 43 Resp: 59376
Ion Ratio Lower Upper
43 100
58 26.5 25.5 38.3

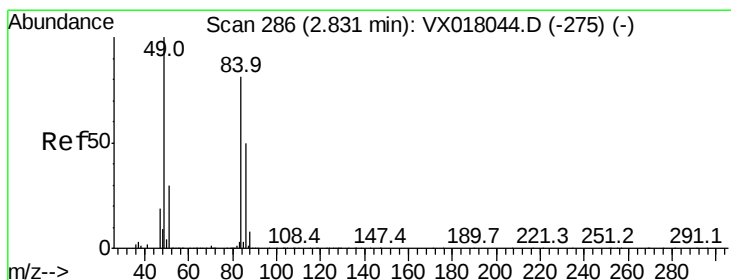
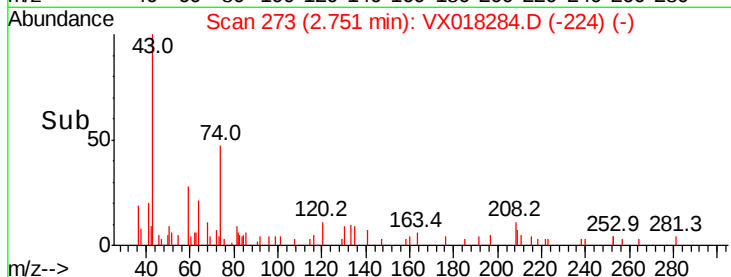
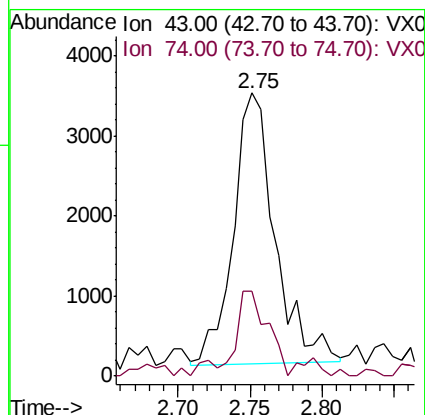
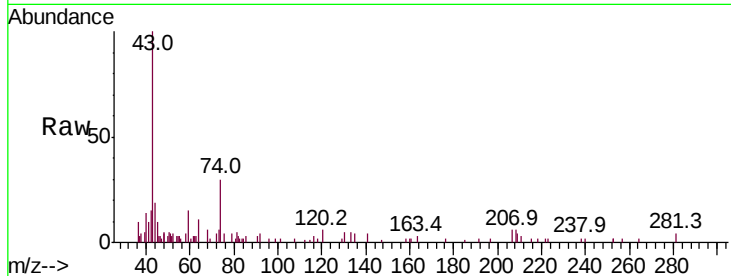




#18
Methvl Acetate
Concen: 1.191 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018284.D
Acq: 08 Sep 2020 18:42

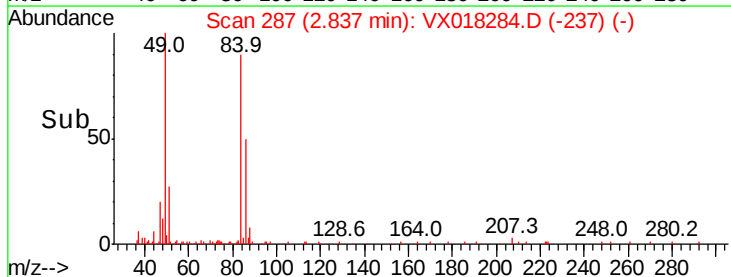
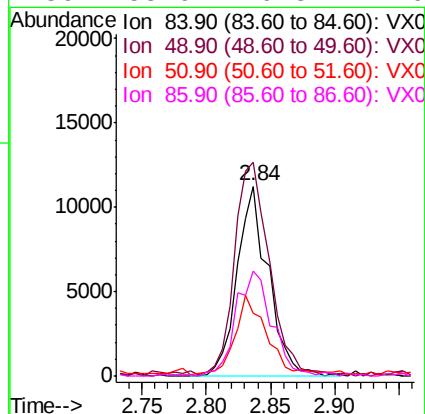
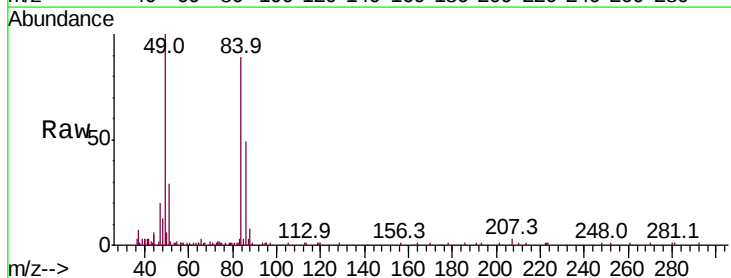
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#05

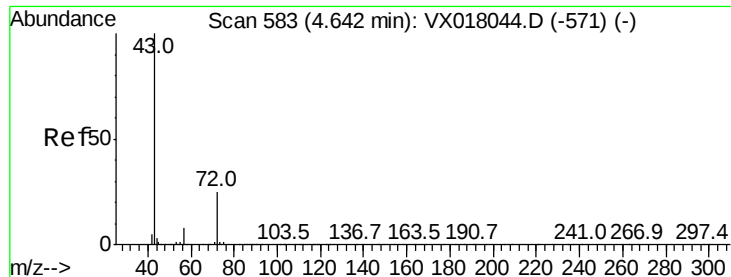
Tot Ion: 43 Resp: 6858
Ion Ratio Lower Upper
43 100
74 23.0 18.2 27.4



#20
Methylene Chloride
Concen: 2.777 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018284.D
Acq: 08 Sep 2020 18:42

Tgt Ion: 84 Resp: 18933
Ion Ratio Lower Upper
84 100
49 111.2 98.6 148.0
51 32.3 29.6 44.4
86 55.6 49.8 74.6

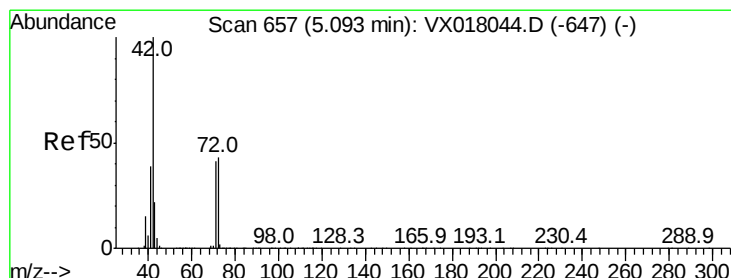
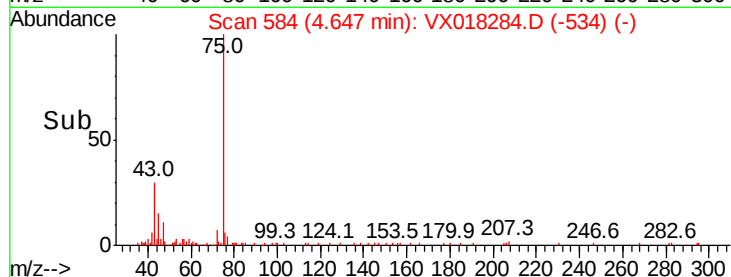
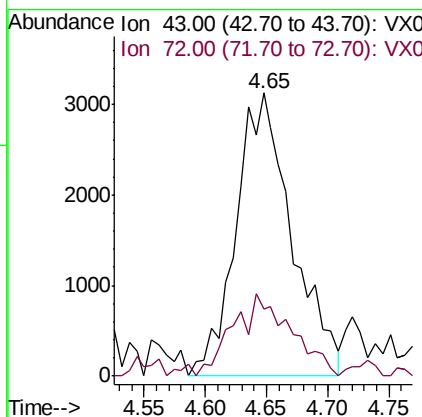
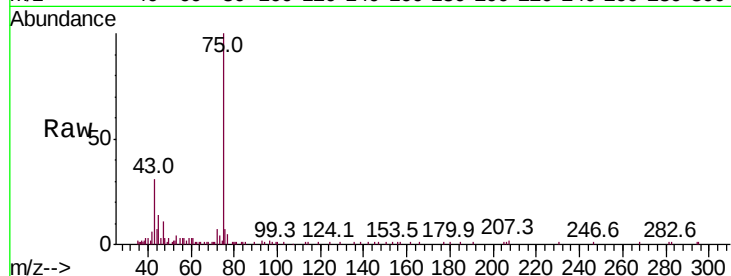




#25
2-Butanone
Concen: 2.537 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018284.D
Acq: 08 Sep 2020 18:42

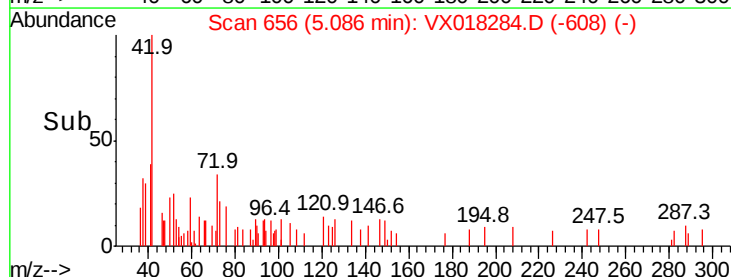
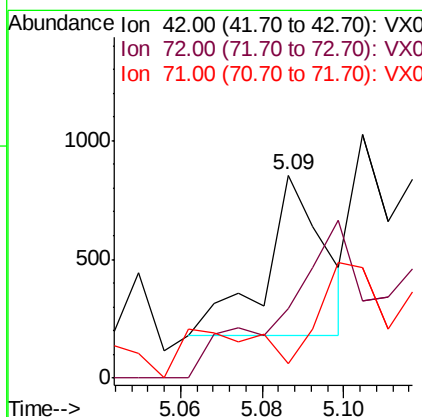
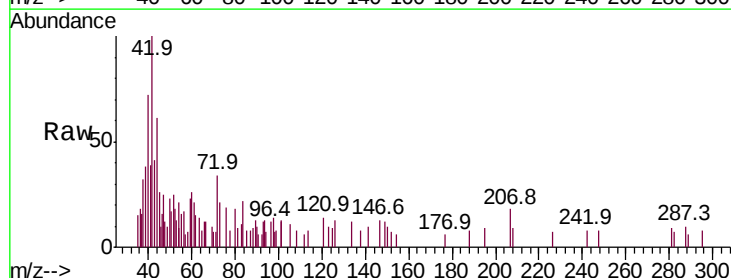
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#05

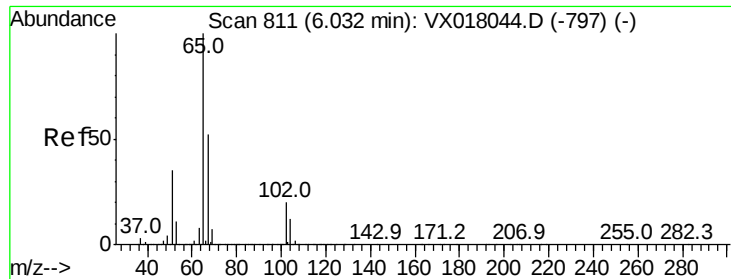
Tot Ion: 43 Resp: 9951
Ion Ratio Lower Upper
43 100
72 19.4 19.8 29.6#



#29
Tetrahydrofuran
Concen: 0.269 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX018284.D
Acq: 08 Sep 2020 18:42

Tgt Ion: 42 Resp: 672
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 51.425 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018284.D

Acq: 08 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

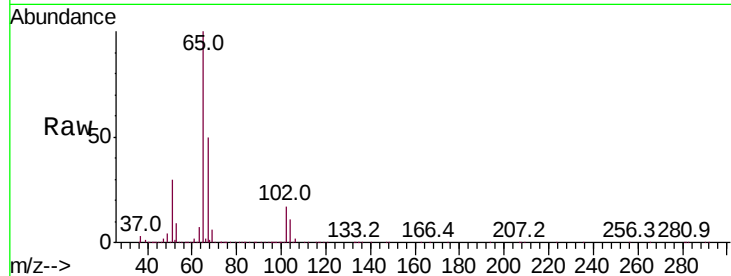
PB131451ZHE#05

Tot Ion: 65 Resp: 314924

Ion Ratio Lower Upper

65 100

67 50.1 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

150000

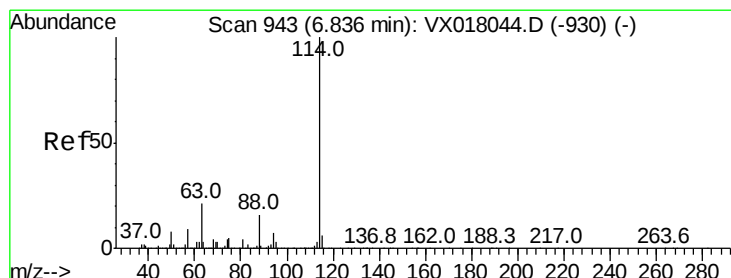
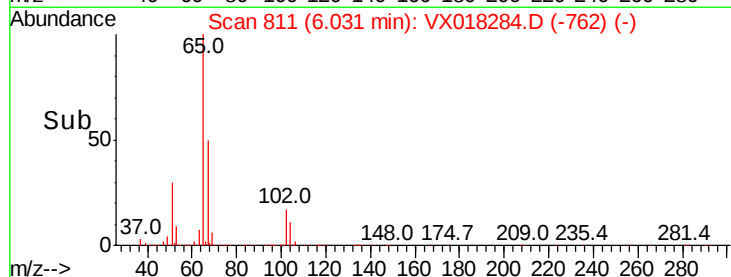
100000

50000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018284.D

Acq: 08 Sep 2020 18:42

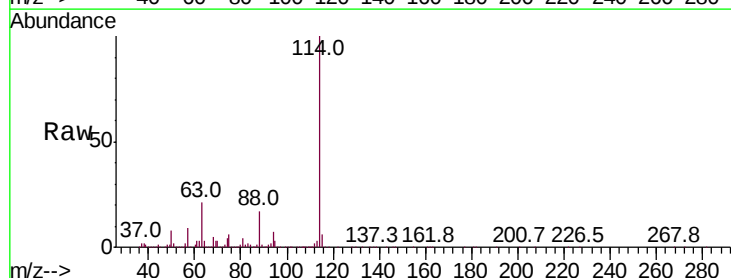
Tgt Ion: 114 Resp: 706250

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

88 16.5 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

400000

300000

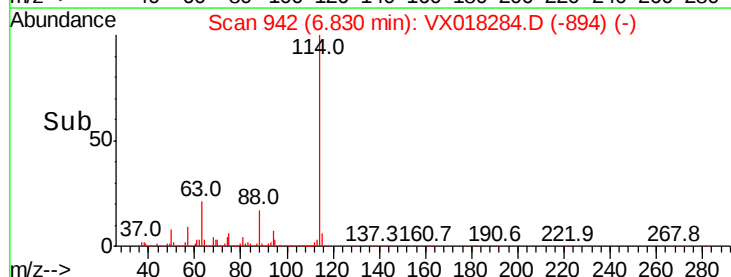
200000

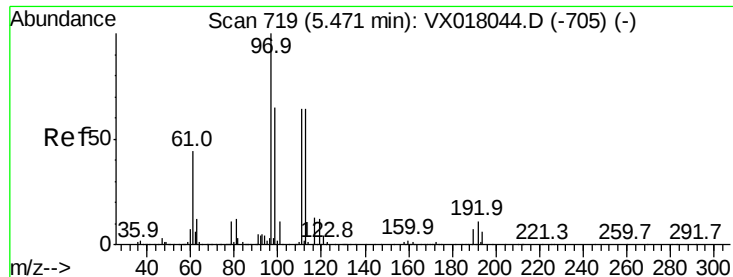
100000

0

Time-->

6.70 6.80 6.90

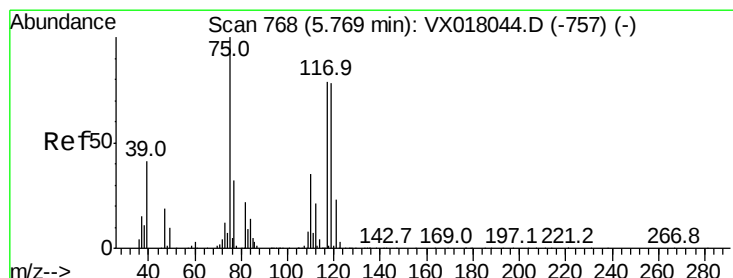
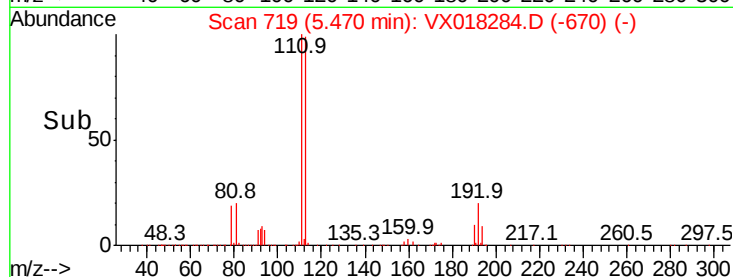
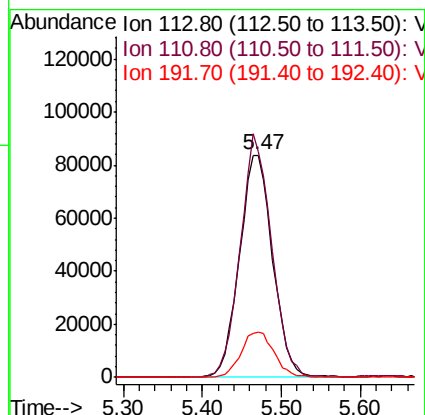
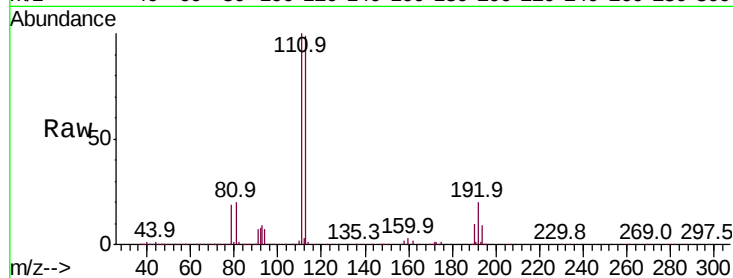




#35
 Dibromofluoromethane
 Concen: 50.998 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018284.D
 Acq: 08 Sep 2020 18:42

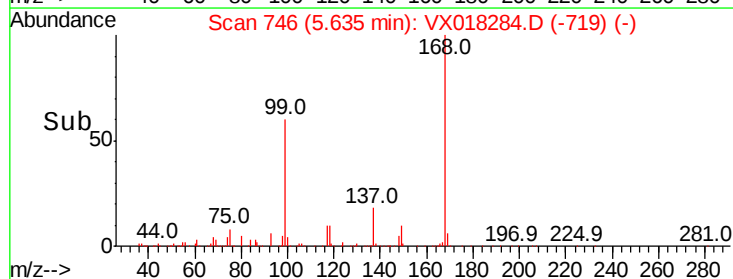
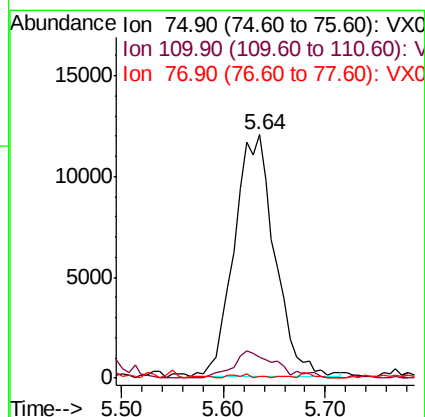
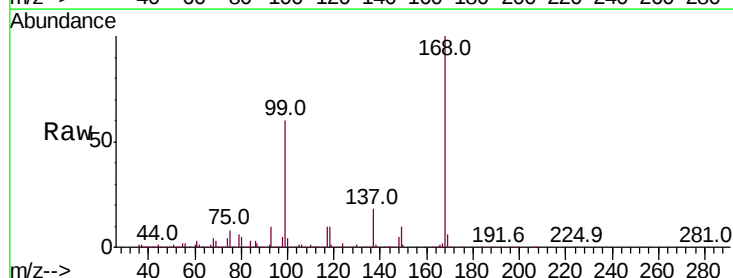
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451ZHE#05

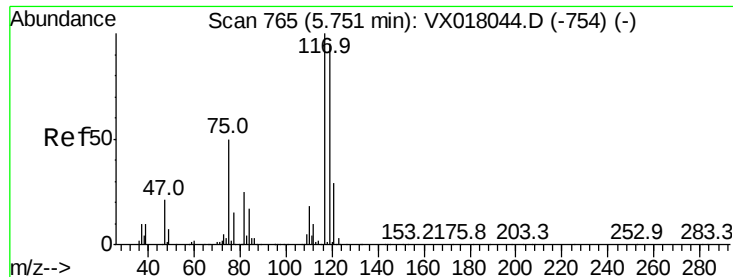
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.6	122.4
192	20.4	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.057 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018284.D
 Acq: 08 Sep 2020 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.0	18.0	54.0#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.116 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018284.D

Acq: 08 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#05

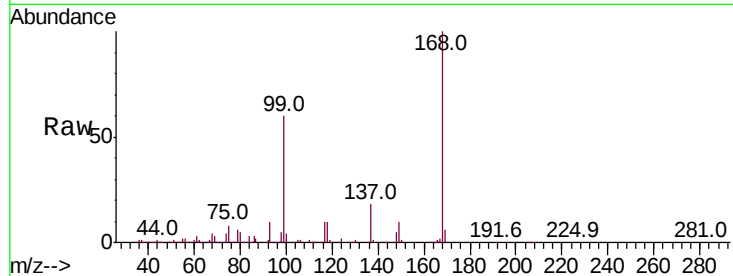
Tot Ion:117 Resp: 44896

Ion Ratio Lower Upper

117 100

119 8.7 75.8 113.6#

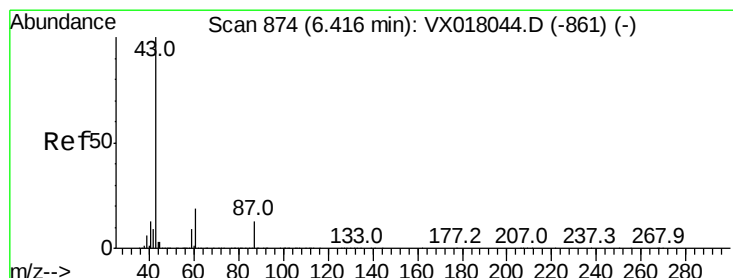
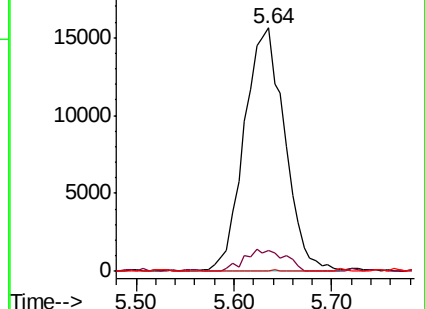
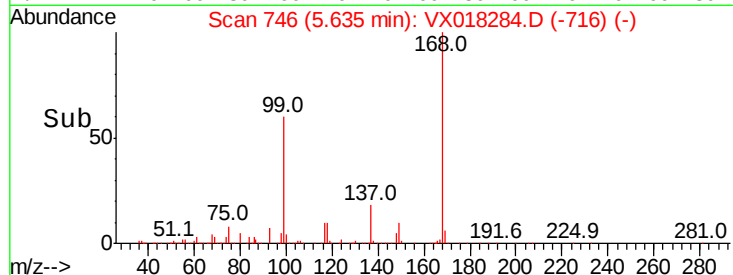
121 0.0 23.4 35.0#



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: 8.584 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018284.D

Acq: 08 Sep 2020 18:42

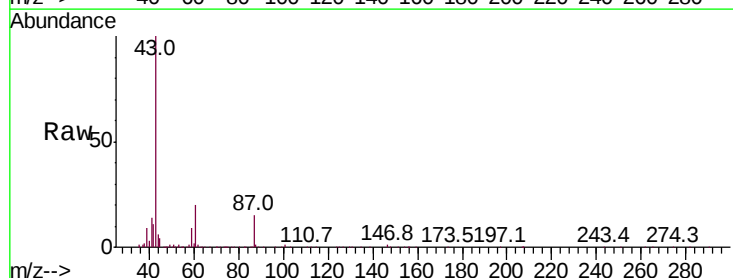
Tgt Ion: 43 Resp: 104895

Ion Ratio Lower Upper

43 100

61 20.4 15.7 23.5

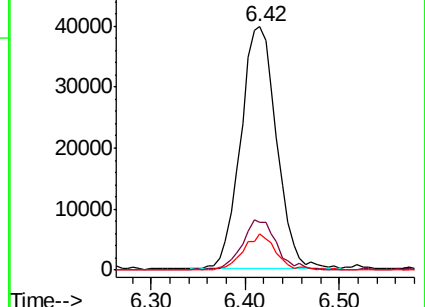
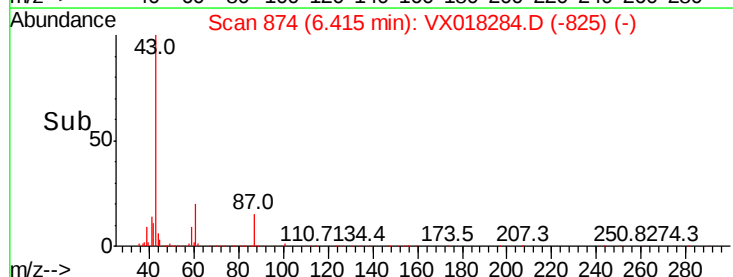
87 13.7 10.3 15.5

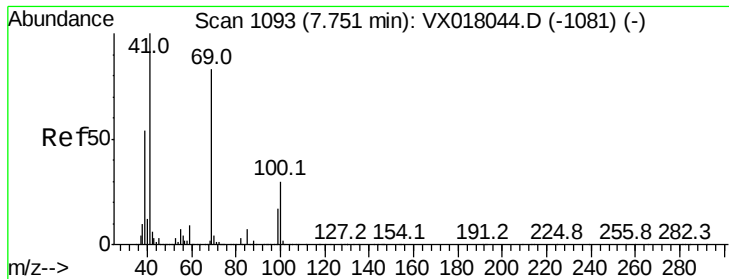


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 29.628 ug/l

RT: 7.85 min Scan# 1110

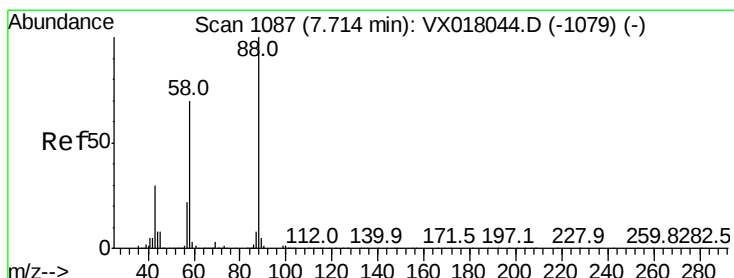
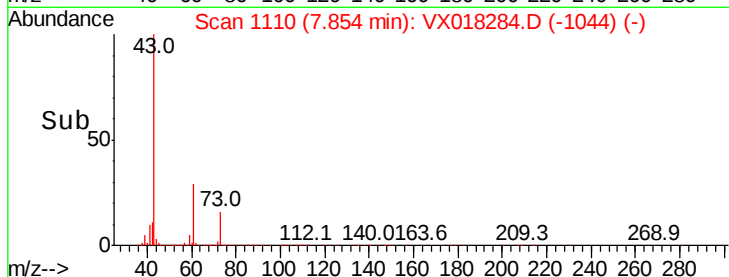
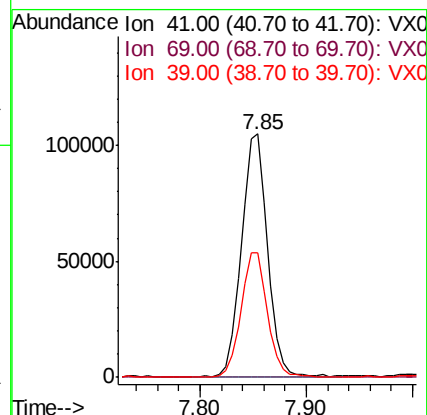
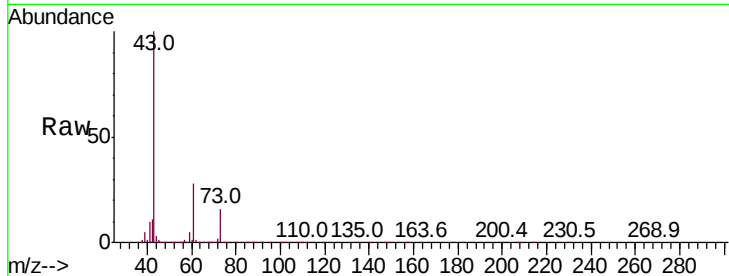
Delta R.T. 0.10 min

Lab File: VX018284.D

Acq: 08 Sep 2020 18:42

Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#05

Tot Ion	Ratio	Lower	Upper
41	100		
69	0.2	65.5	98.3#
39	51.6	44.5	66.7



#49

1,4-Dioxane

Concen: 2.423 ug/l

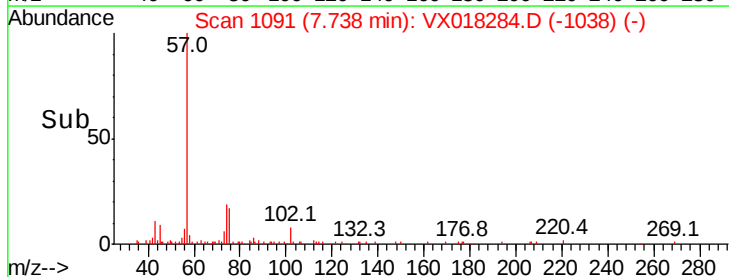
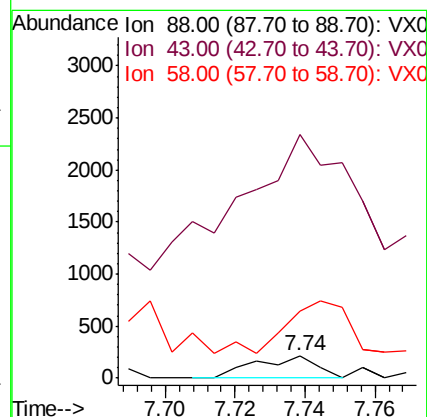
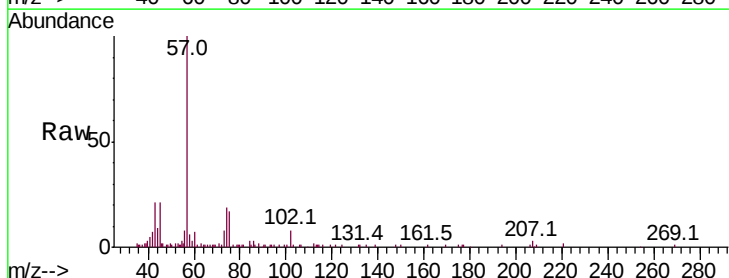
RT: 7.74 min Scan# 1091

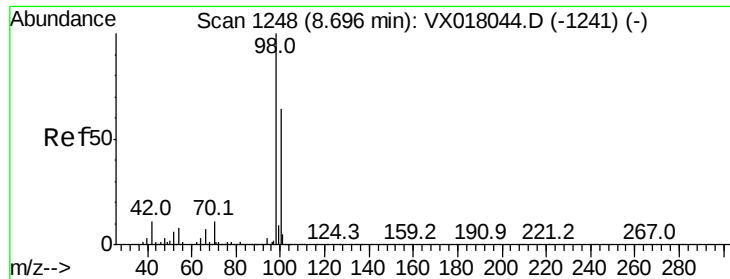
Delta R.T. 0.02 min

Lab File: VX018284.D

Acq: 08 Sep 2020 18:42

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	485.4	56.4	84.6#





#50

Toluene-d8

Concen: 50.448 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018284.D

Acq: 08 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

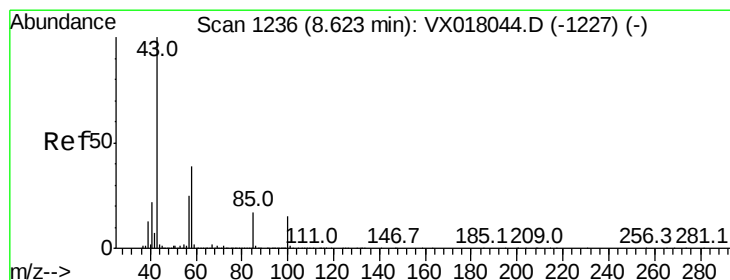
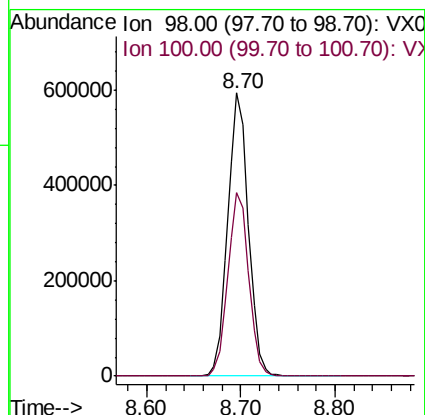
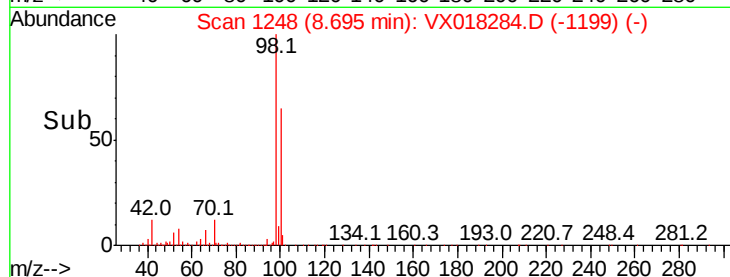
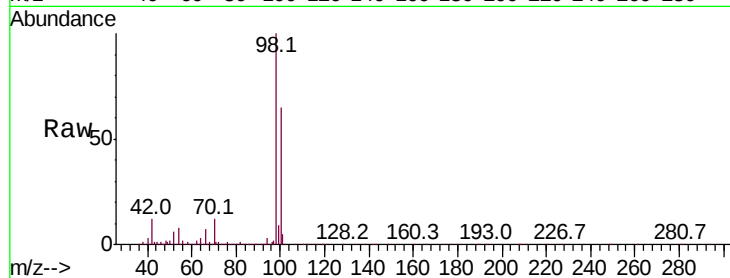
PB131451ZHE#05

Tot Ion: 98 Resp: 903763

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 13.862 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018284.D

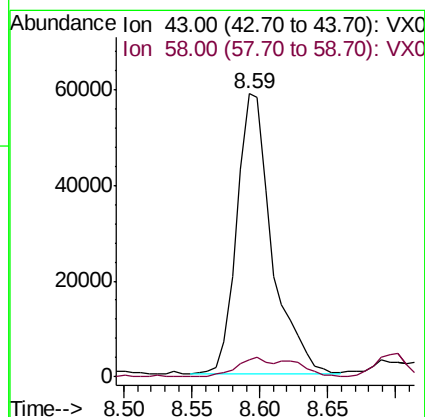
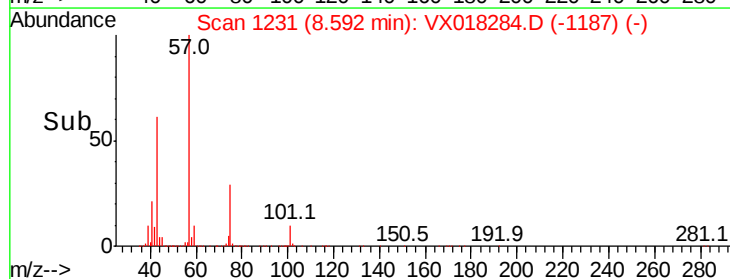
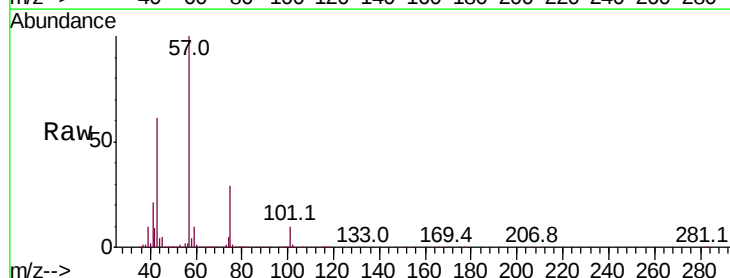
Acq: 08 Sep 2020 18:42

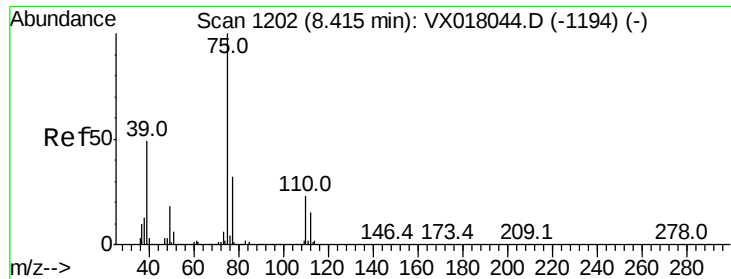
Tgt Ion: 43 Resp: 104637

Ion Ratio Lower Upper

43 100

58 6.8 30.7 46.1#





#54

cis-1,3-Dichloropropene

Concen: 5.021 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018284.D

Acq: 08 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#05

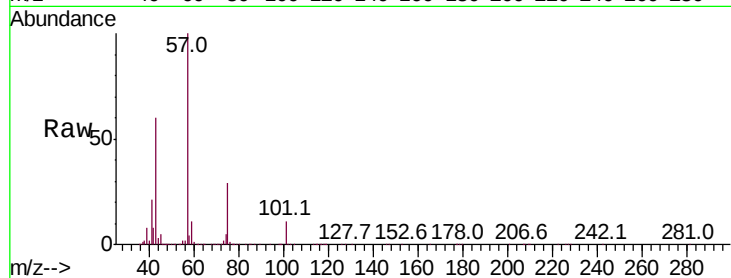
Tot Ion: 75 Resp: 42701

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.8#

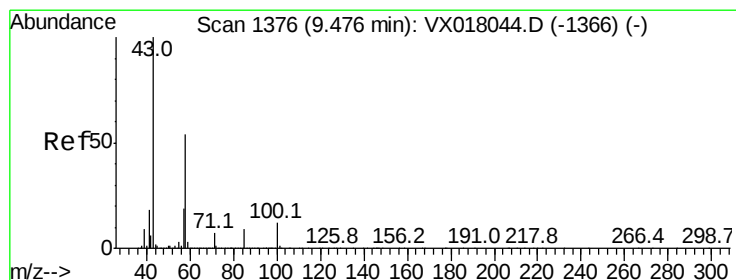
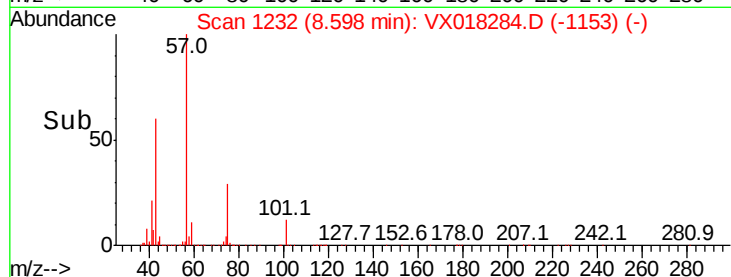
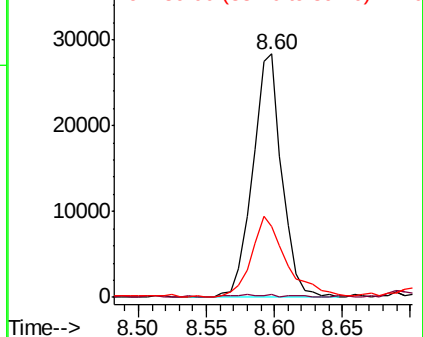
39 28.5 38.8 58.2#



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: 17.088 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.06 min

Lab File: VX018284.D

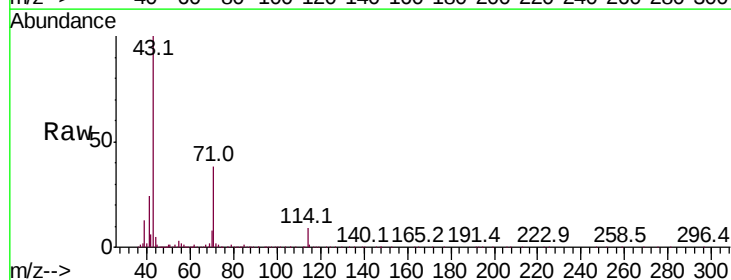
Acq: 08 Sep 2020 18:42

Tgt Ion: 43 Resp: 98081

Ion Ratio Lower Upper

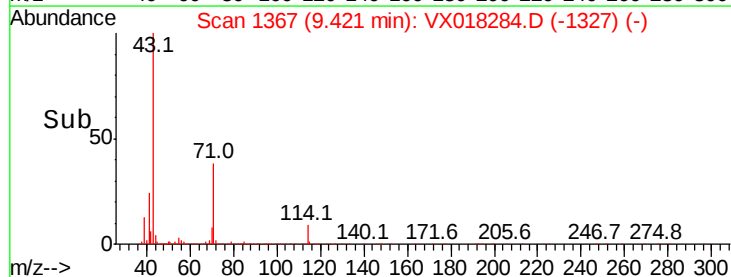
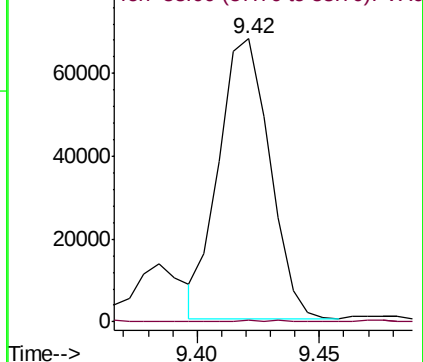
43 100

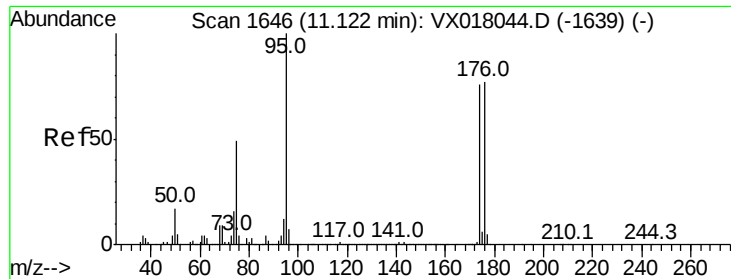
58 0.7 26.6 79.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.710 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018284.D

Acq: 08 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#05

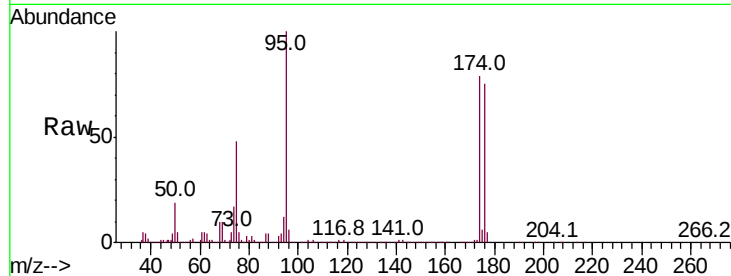
Tot Ion: 95 Resp: 343326

Ion Ratio Lower Upper

95 100

174 81.0 0.0 160.2

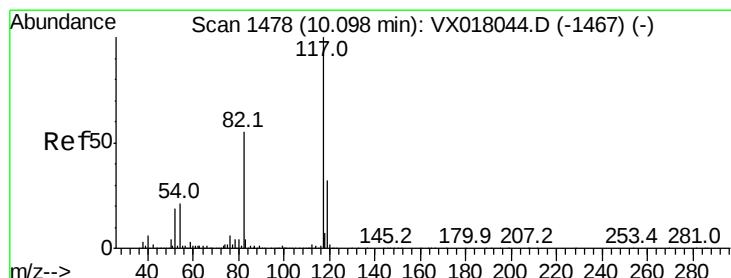
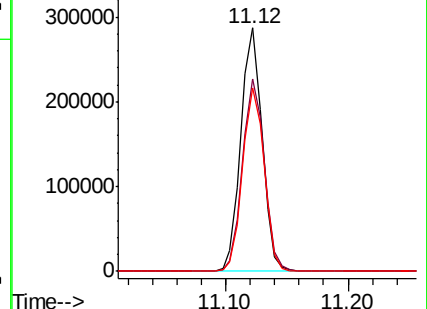
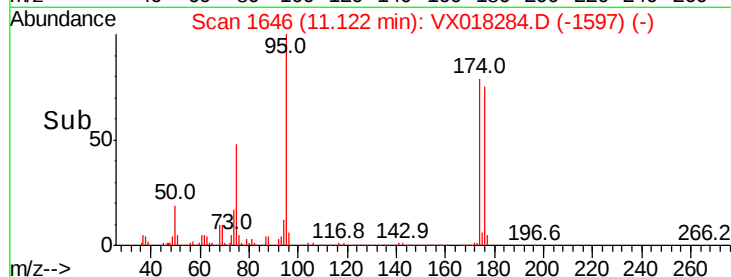
176 76.6 0.0 155.8



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: VX018284.D

Acq: 08 Sep 2020 18:42

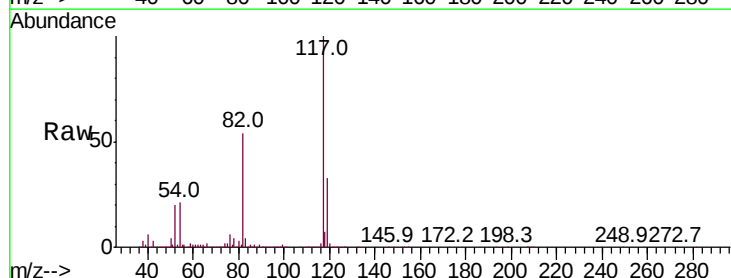
Tgt Ion: 117 Resp: 703255

Ion Ratio Lower Upper

117 100

82 53.8 44.2 66.2

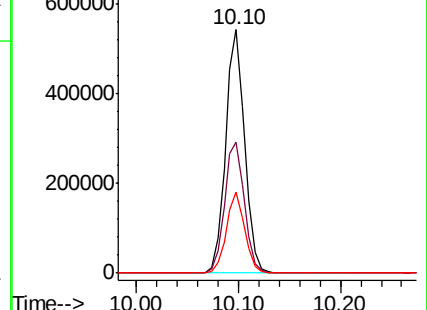
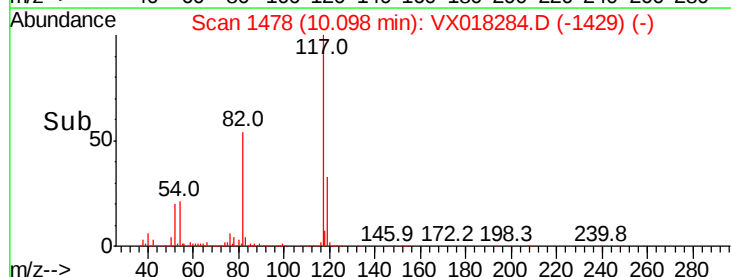
119 33.1 25.7 38.5

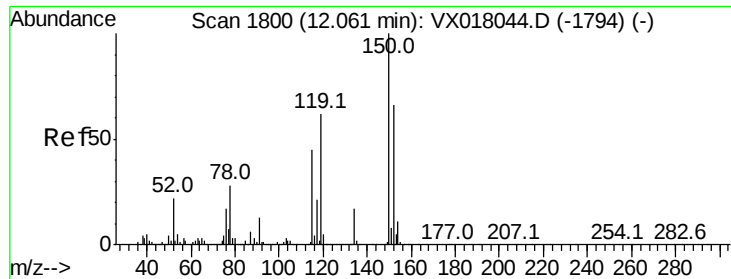


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

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: VX018284.D

Acq: 08 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#05

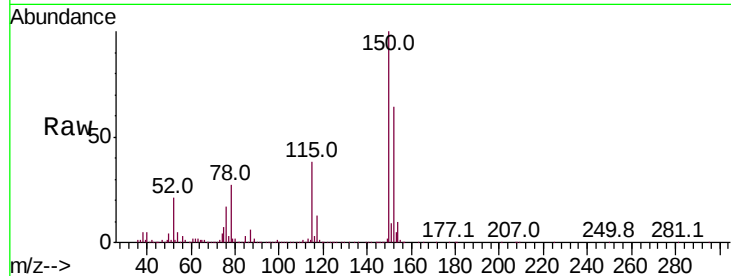
Tot Ion:152 Resp: 345276

Ion Ratio Lower Upper

152 100

115 60.7 41.5 124.5

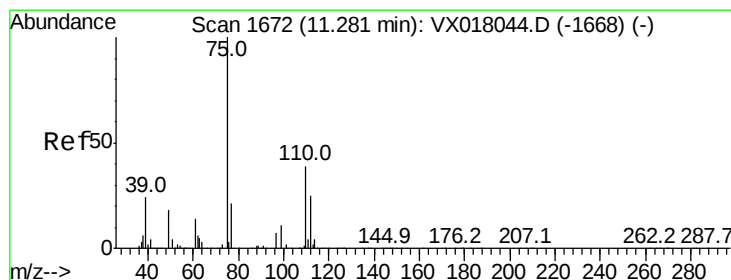
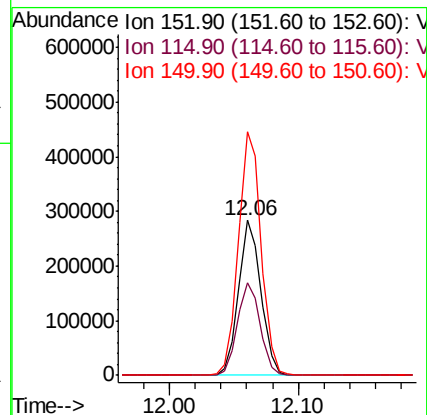
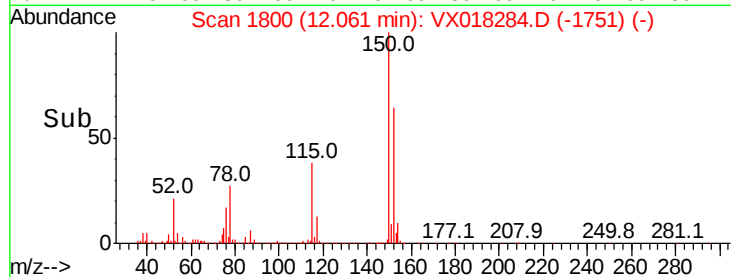
150 159.2 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.489 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018284.D

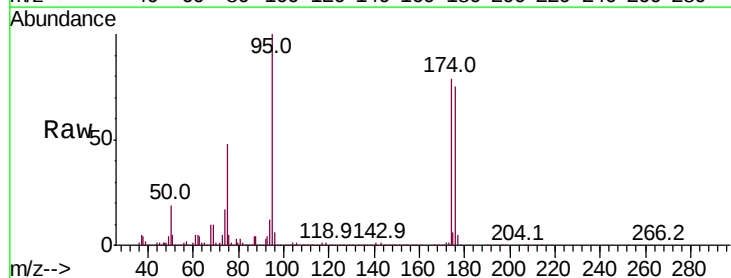
Acq: 08 Sep 2020 18:42

Tgt Ion: 75 Resp: 172735

Ion Ratio Lower Upper

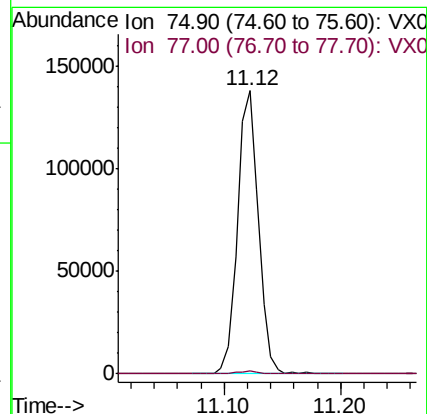
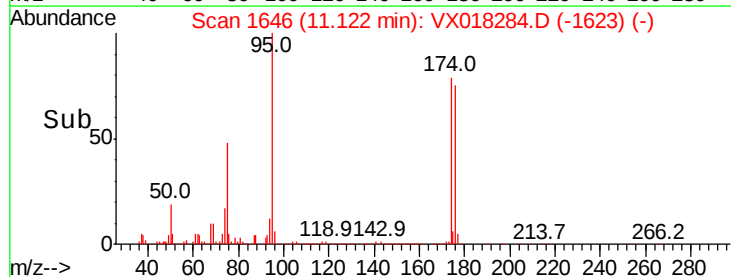
75 100

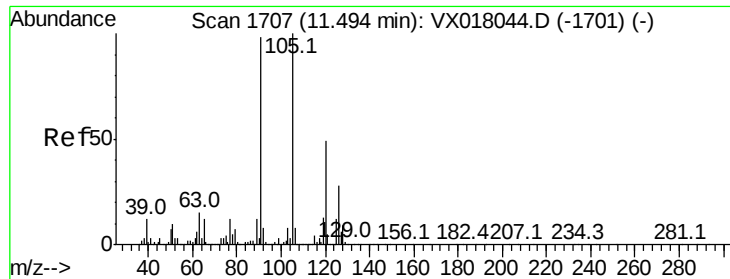
77 1.3 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

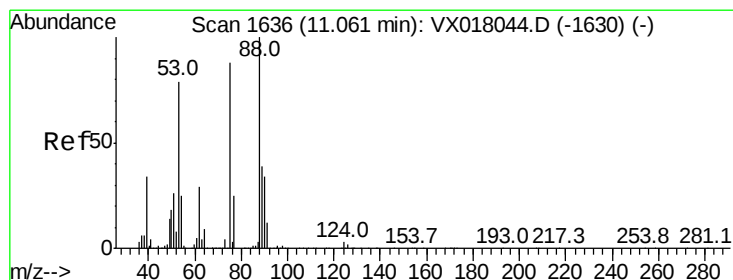
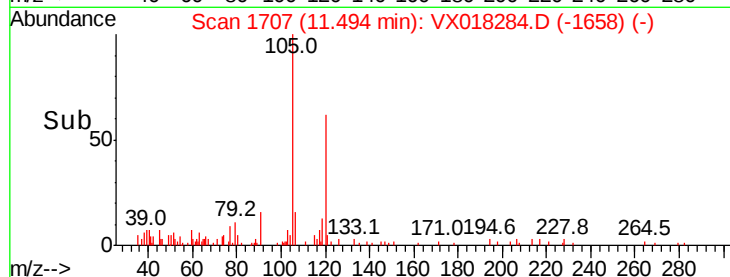
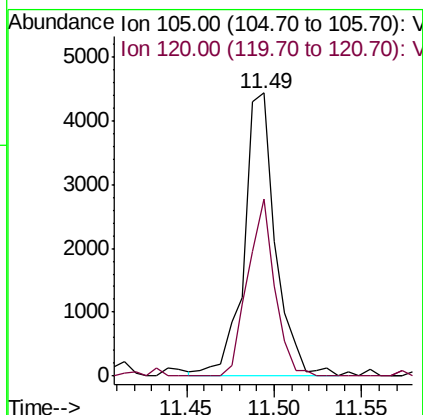
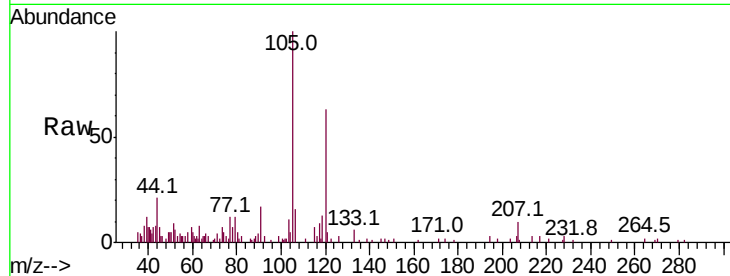




#80
 1,3,5-Trimethylbenzene
 Concen: 0.295 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX018284.D
 Acq: 08 Sep 2020 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451ZHE#05

Tot Ion:105 Resp: 5516
 Ion Ratio Lower Upper
 105 100
 120 54.2 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.740 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018284.D
 Acq: 08 Sep 2020 18:42

Tgt Ion: 75 Resp: 172735
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.7 112.1#
 89 0.0 36.6 54.8#

