

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018288.D
 Acq On : 08 Sep 2020 20:13
 Operator : JC/SP
 Sample : PB131451ZHE#09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451ZHE#09

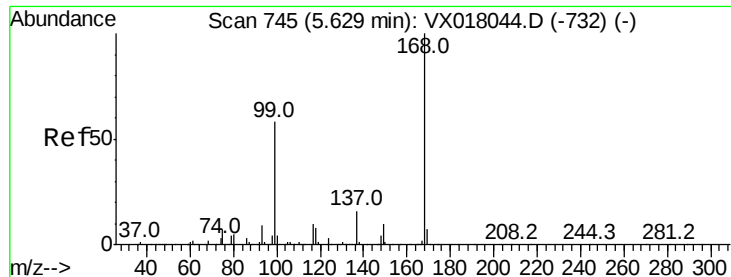
Quant Time: Sep 09 01:25:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	470365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	765396	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	793563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	382719	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	340095	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
35) Dibromofluoromethane	5.47	113	271342	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
50) Toluene-d8	8.70	98	975895	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.12	95	370704	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.49	142	52	5.296	ug/l #	1
11) Tert butyl alcohol	2.99	59	5184	4.083	ug/l #	91
13) Acrolein	2.27	56	154	0.293	ug/l #	1
16) Acetone	2.42	43	28747	11.298	ug/l	95
18) Methyl Acetate	2.75	43	6265	1.020	ug/l	91
20) Methylene Chloride	2.84	84	19636	2.669	ug/l	95
25) 2-Butanone	4.65	43	5445	1.302	ug/l	96
29) Tetrahydrofuran	5.11	42	2247	0.844	ug/l #	90
36) 1,1-Dichloropropene	5.63	75	38652	5.475	ug/l #	52
38) Carbon Tetrachloride	5.63	117	48936	6.151	ug/l #	20
43) Isopropyl Acetate	6.42	43	112197	8.472	ug/l	100
48) Methyl methacrylate	7.85	41	192588	29.212	ug/l #	44
49) 1,4-Dioxane	7.70	88	420	3.517	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	111970	13.687	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	48064	5.215	ug/l #	58
57) 1,3-Dichloropropane	9.52	76	9139	0.988	ug/l #	47
59) 2-Hexanone	9.52	43	124572	20.026	ug/l #	52
74) N-amyl acetate	10.81	43	5245	0.438	ug/l #	55
76) 1,2,3-Trichloropropane	11.12	75	193237	22.697	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	10531	0.508	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.12	75	193237	61.301	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018288.D

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MSVOA_X

ClientSampleId :

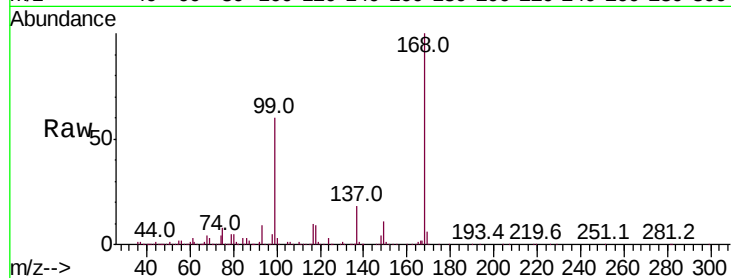
PB131451ZHE#09

Tot Ion:168 Resp: 470365

Ion Ratio Lower Upper

168 100

99 59.7 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

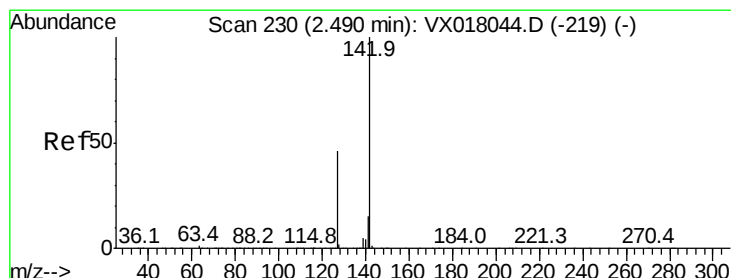
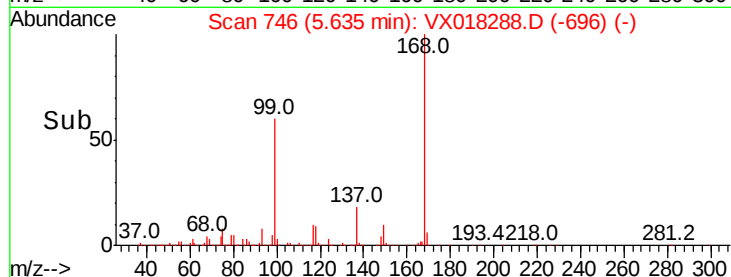
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.296 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX018288.D

Acq: 08 Sep 2020 20:13

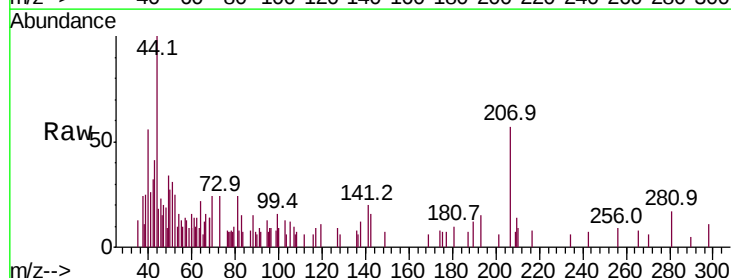
Tgt Ion:142 Resp: 52

Ion Ratio Lower Upper

142 100

127 334.6 37.0 55.6#

141 417.3 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

2.49

200

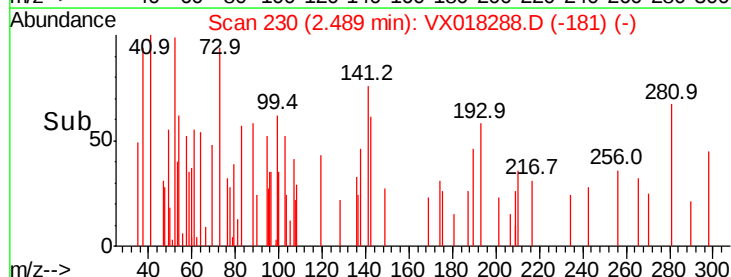
150

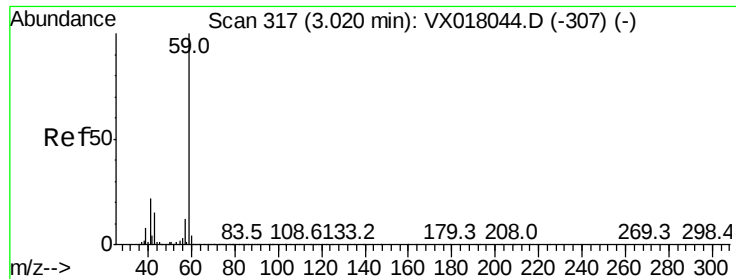
100

50

0

Time-->

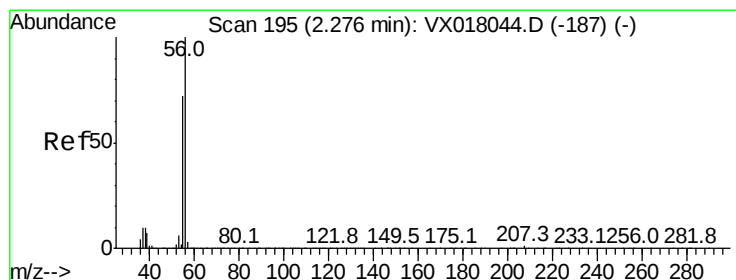
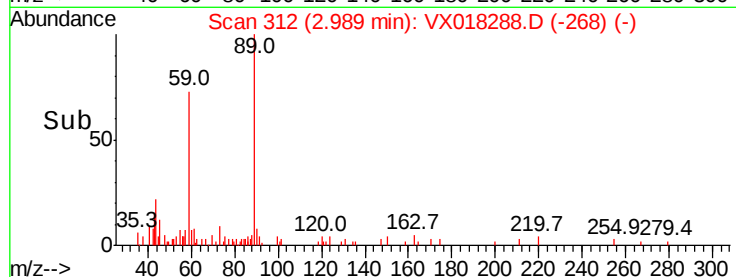
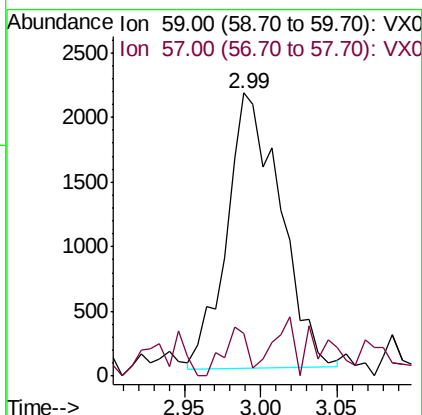
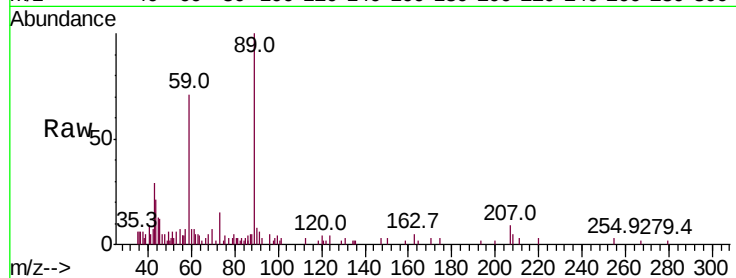




#11
Tert butyl alcohol
Concen: 4.083 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX018288.D
Acq: 08 Sep 2020 20:13

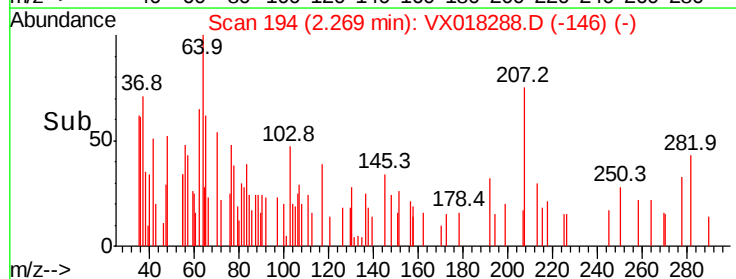
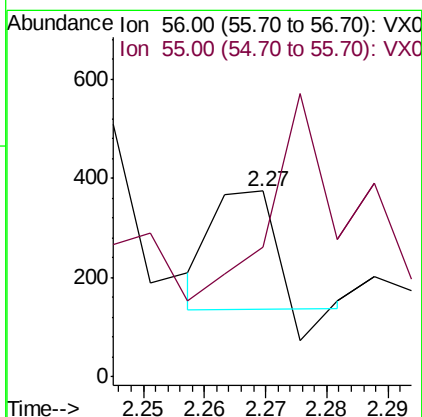
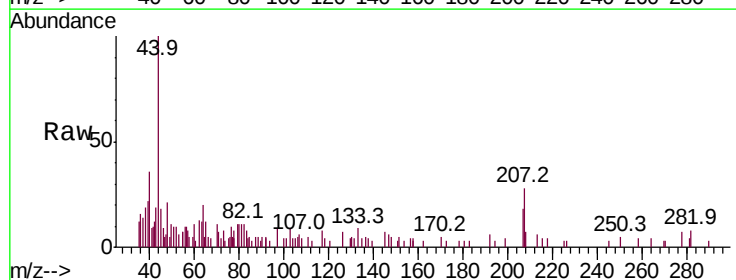
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#09

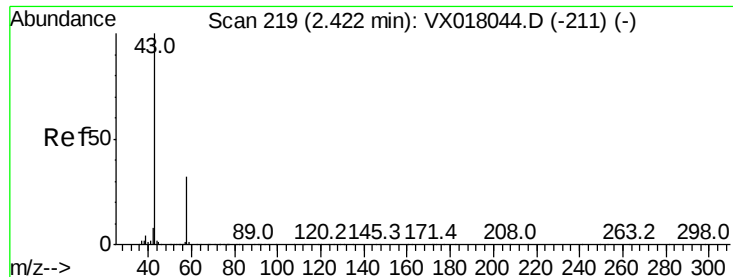
Tot Ion: 59 Resp: 5184
Ion Ratio Lower Upper
59 100
57 7.7 8.9 13.3#



#13
Acrolein
Concen: 0.293 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018288.D
Acq: 08 Sep 2020 20:13

Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 605.2 57.0 85.6#

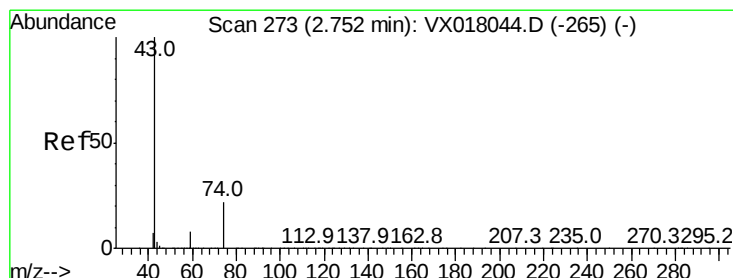
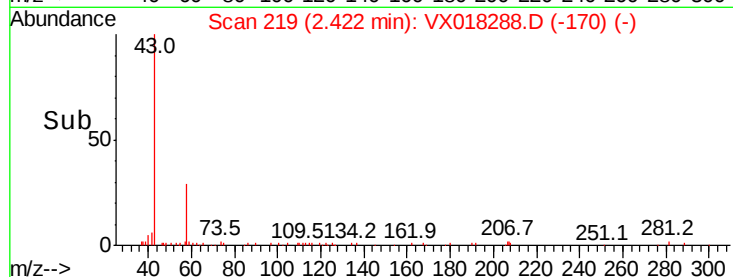
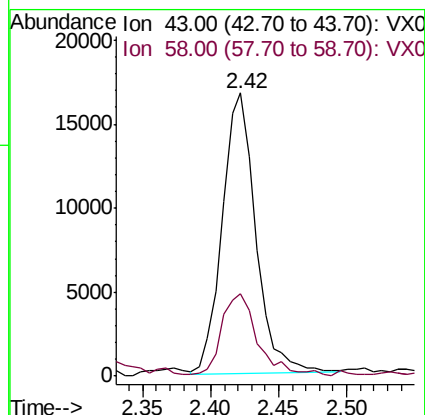
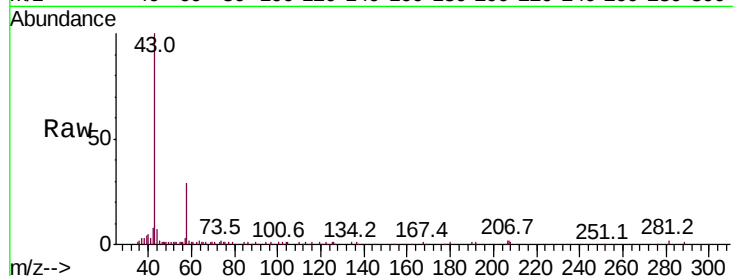




#16
Acetone
Concen: 11.298 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018288.D
Acq: 08 Sep 2020 20:13

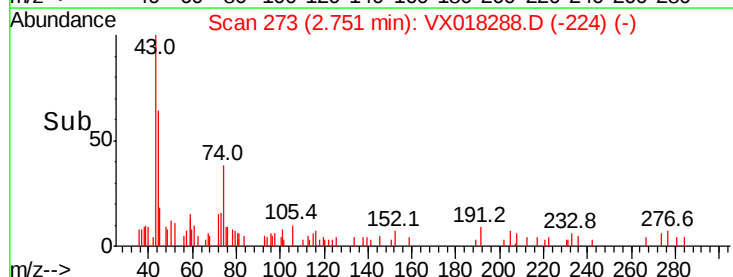
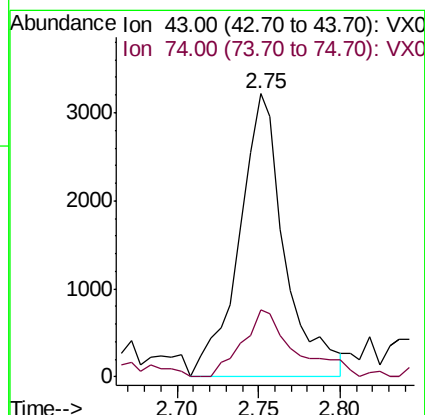
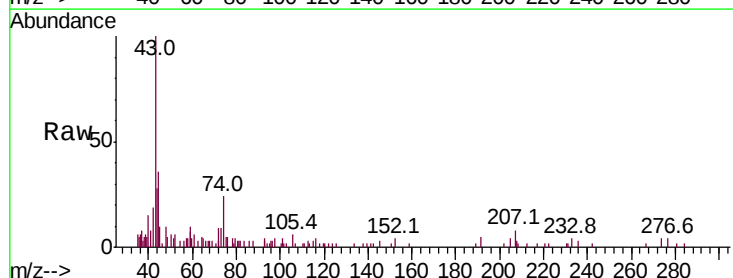
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#09

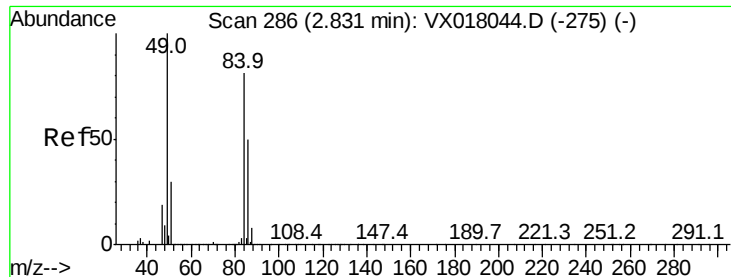
Tot Ion: 43 Resp: 28747
Ion Ratio Lower Upper
43 100
58 29.1 25.5 38.3



#18
Methyl Acetate
Concen: 1.020 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018288.D
Acq: 08 Sep 2020 20:13

Tgt Ion: 43 Resp: 6265
Ion Ratio Lower Upper
43 100
74 27.0 18.2 27.4

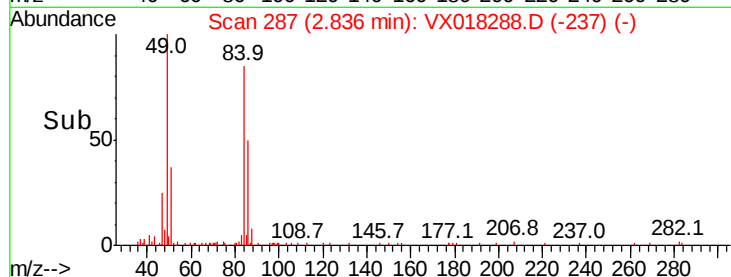
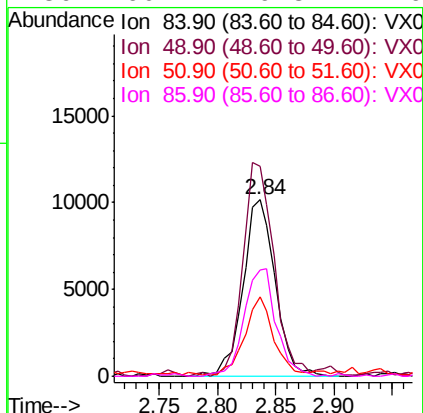
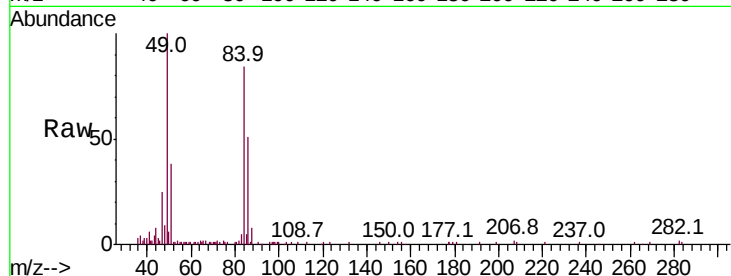




#20
Methvlene Chloride
Concen: 2.669 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018288.D
Acq: 08 Sep 2020 20:13

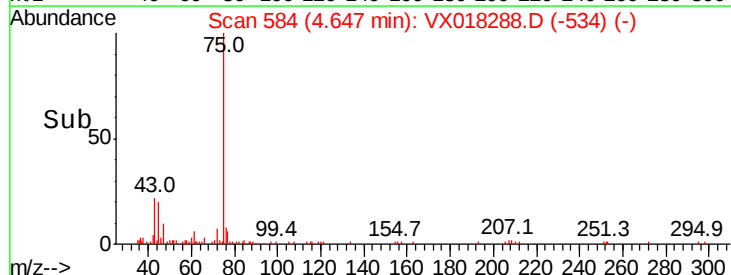
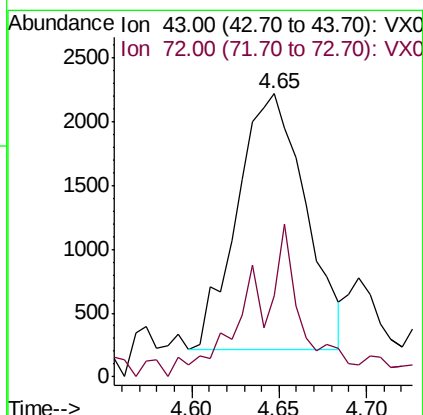
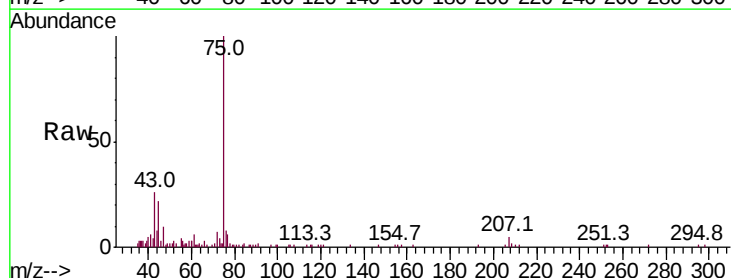
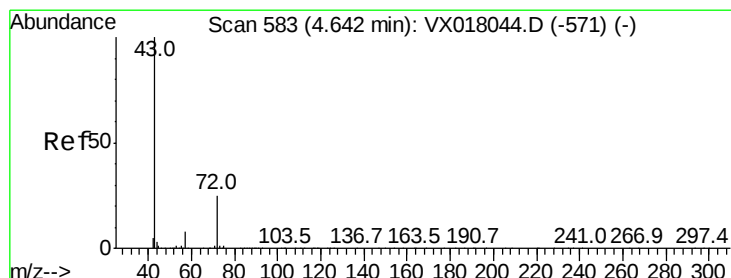
Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#09

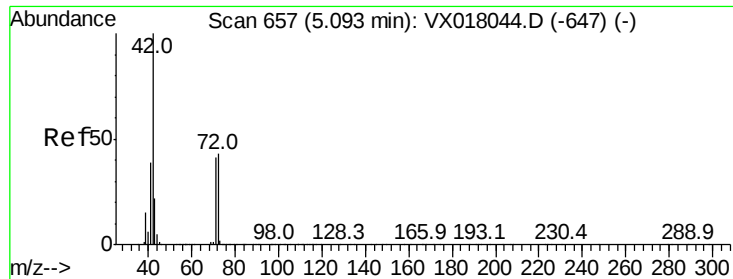
Tot Ion:	84	Resp:	19636
Ion	Ratio	Lower	Upper
84	100		
49	118.6	98.6	148.0
51	42.5	29.6	44.4
86	60.2	49.8	74.6



#25
2-Butanone
Concen: 1.302 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018288.D
Acq: 08 Sep 2020 20:13

Tgt Ion:	43	Resp:	5445
Ion	Ratio	Lower	Upper
43	100		
72	26.8	19.8	29.6





#29

Tetrahydrofuran

Concen: 0.844 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX018288.D

Acq: 08 Sep 2020 20:13

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#09

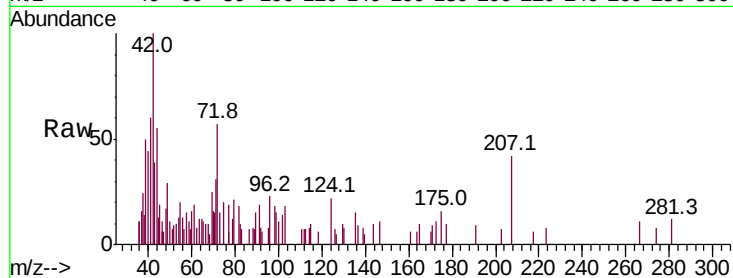
Tot Ion: 42 Resp: 2247

Ion Ratio Lower Upper

42 100

72 41.6 34.2 51.4

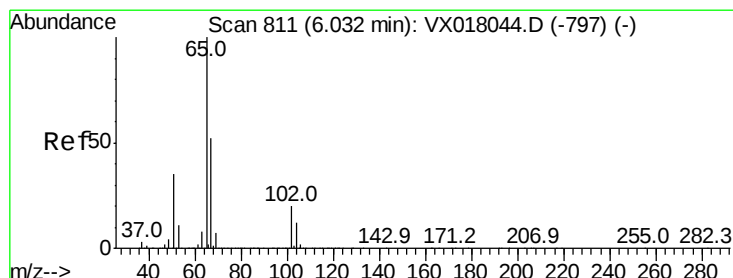
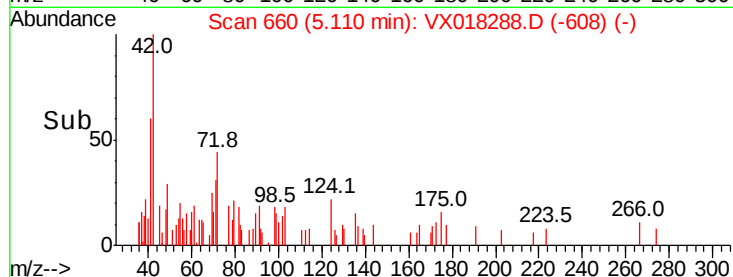
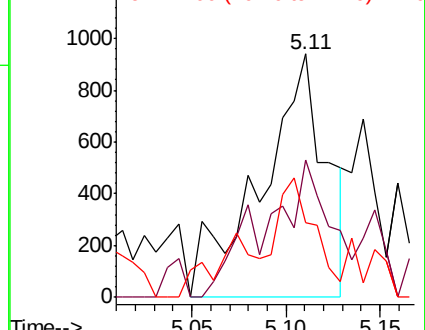
71 28.8 32.1 48.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.083 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018288.D

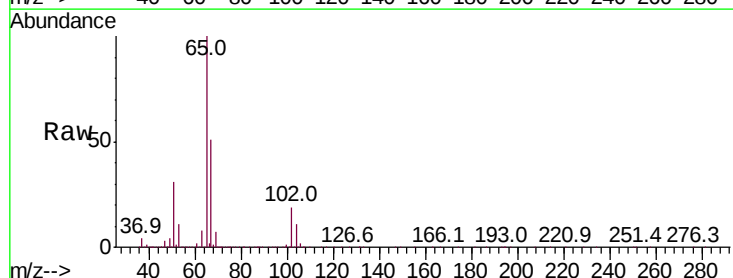
Acq: 08 Sep 2020 20:13

Tgt Ion: 65 Resp: 340095

Ion Ratio Lower Upper

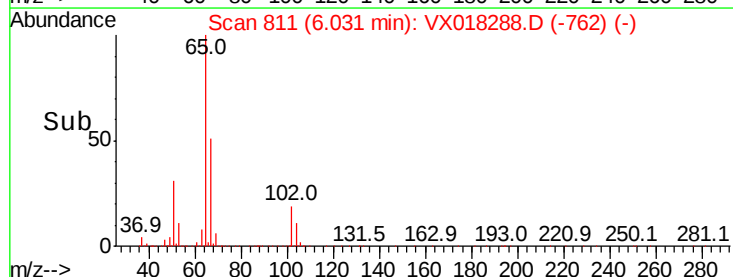
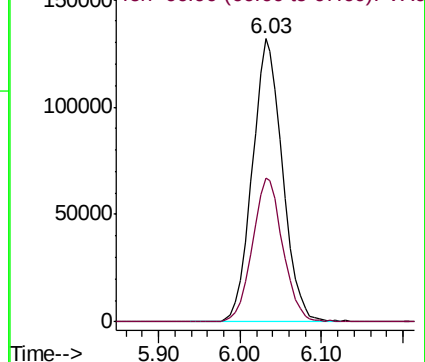
65 100

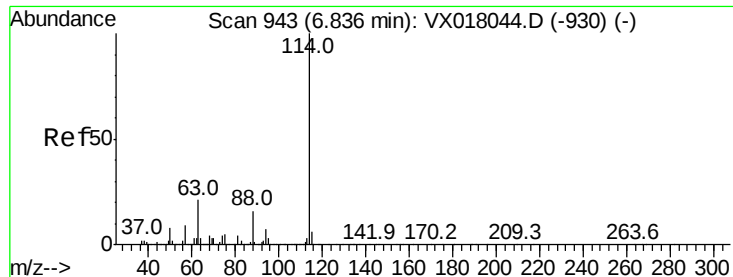
67 51.2 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

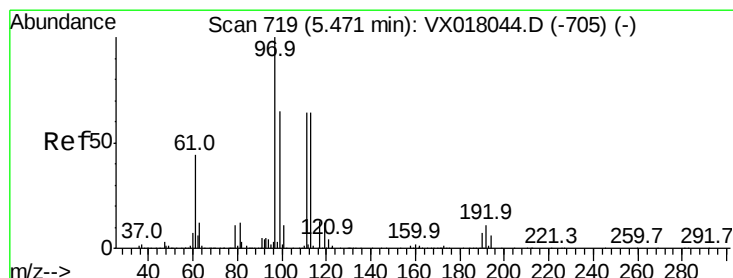
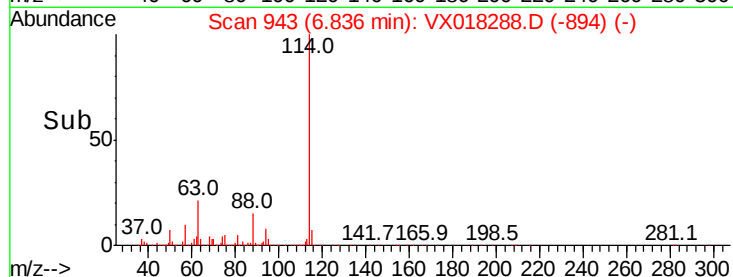
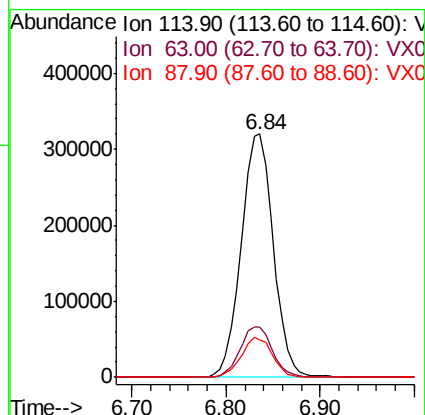
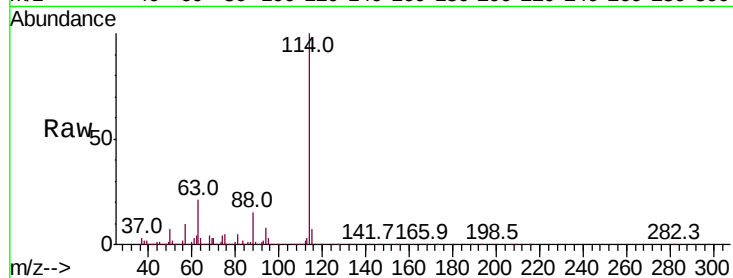




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 943
Delta R.T. -0.00 min
Lab File: VX018288.D
Acq: 08 Sep 2020 20:13

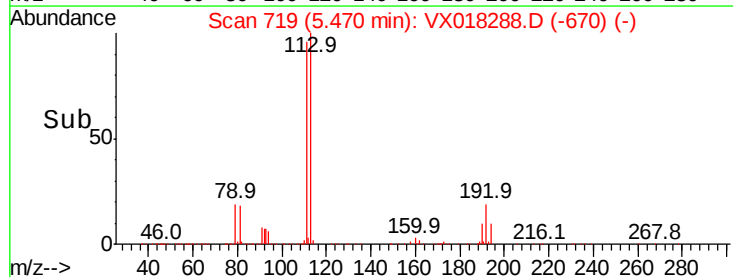
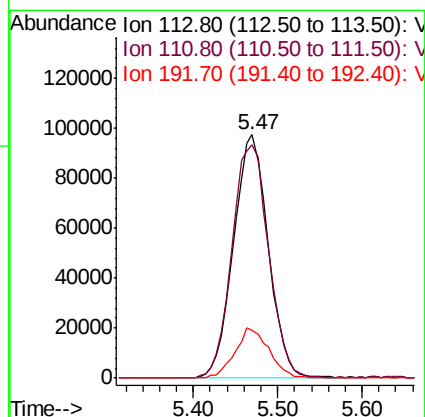
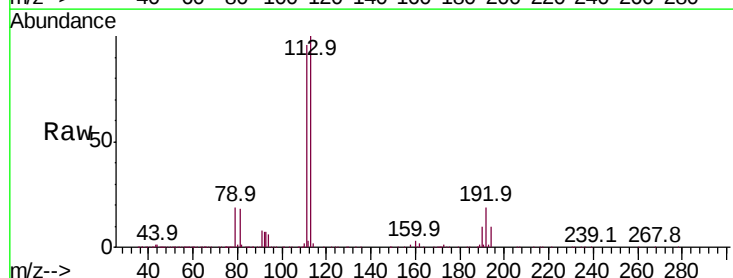
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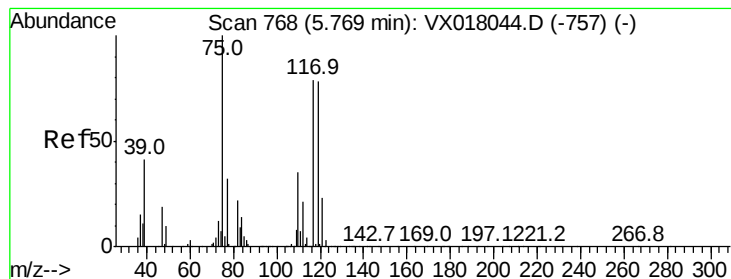
Tot Ion:114 Resp: 765396
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 15.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.054 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX018288.D
Acq: 08 Sep 2020 20:13

Tgt Ion:113 Resp: 271342
Ion Ratio Lower Upper
113 100
111 101.8 81.6 122.4
192 20.2 15.8 23.8





#36

1,1-Dichloropropene

Concen: 5.475 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018288.D

Acq: 08 Sep 2020 20:13

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#09

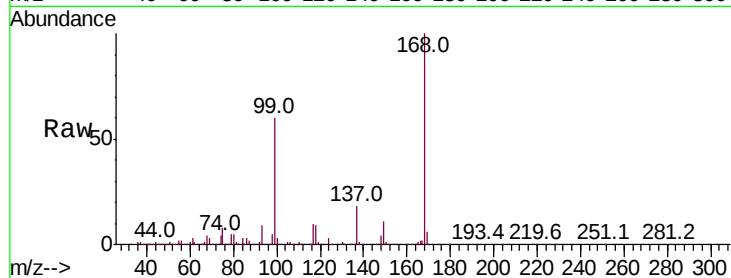
Tot Ion: 75 Resp: 38652

Ion Ratio Lower Upper

75 100

110 10.4 18.0 54.0#

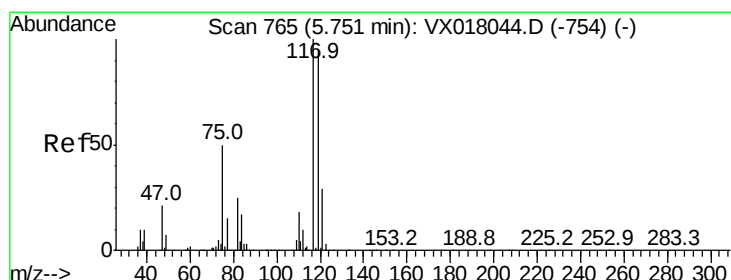
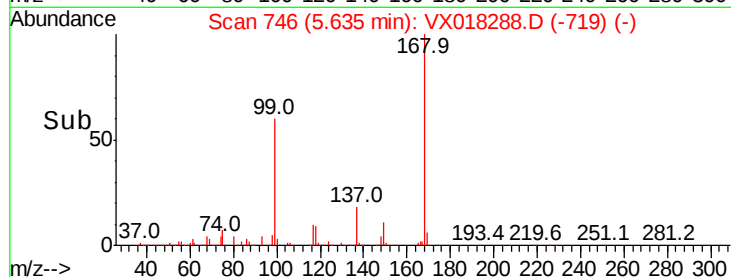
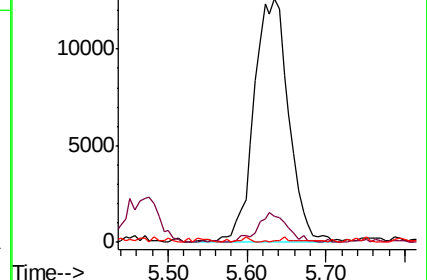
77 0.9 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.151 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018288.D

Acq: 08 Sep 2020 20:13

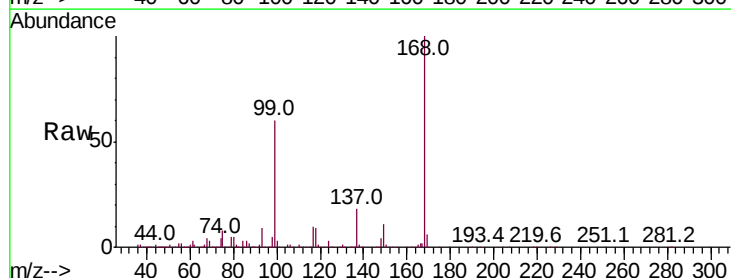
Tgt Ion: 117 Resp: 48936

Ion Ratio Lower Upper

117 100

119 9.5 75.8 113.6#

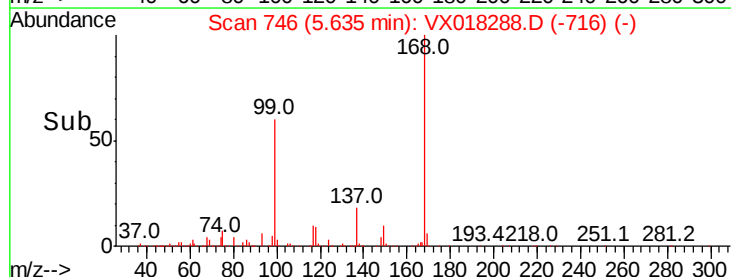
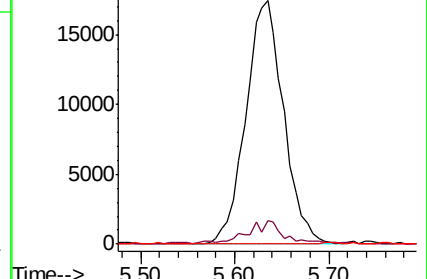
121 0.7 23.4 35.0#

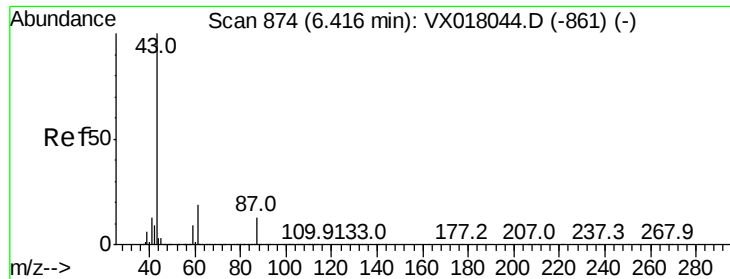


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 8.472 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018288.D

Acq: 08 Sep 2020 20:13

Instrument :

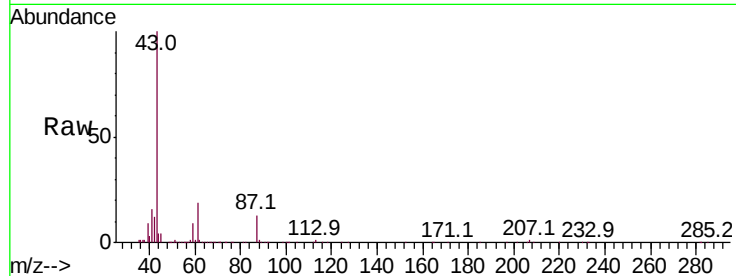
MSVOA_X

ClientSampleId :

PB131451ZHE#09

Tot Ion: 43 Resp: 112197

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.7	23.5
87	13.0	10.3	15.5

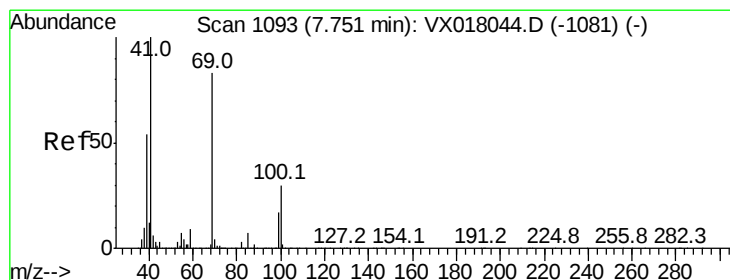
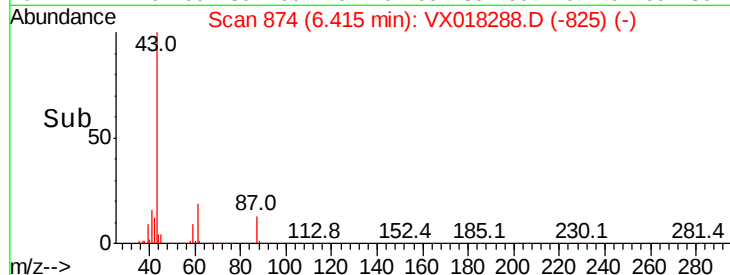
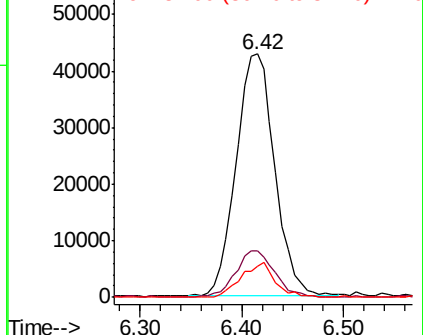


Abundance

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: 29.212 ug/l

RT: 7.85 min Scan# 1109

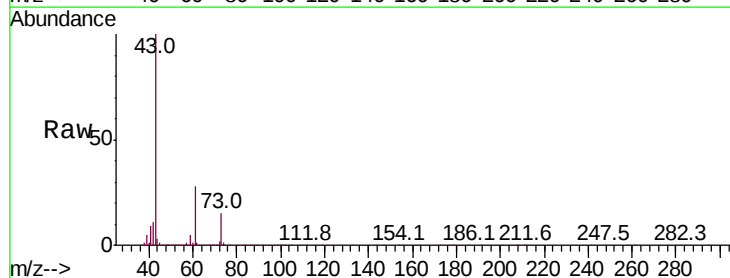
Delta R.T. 0.10 min

Lab File: VX018288.D

Acq: 08 Sep 2020 20:13

Tgt Ion: 41 Resp: 192588

Ion	Ratio	Lower	Upper
41	100		
69	0.3	65.5	98.3#
39	53.4	44.5	66.7

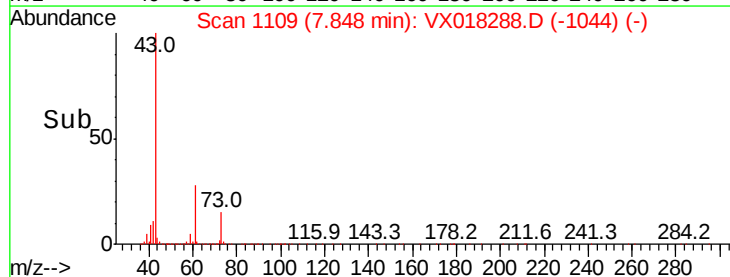
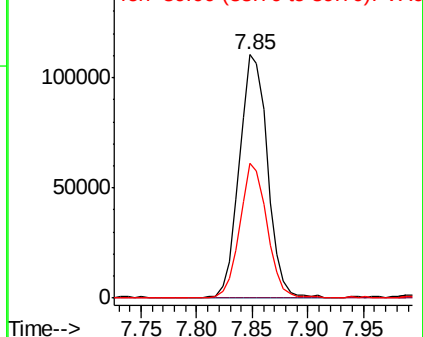


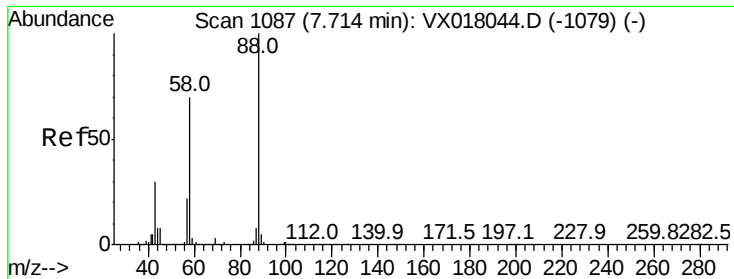
Abundance

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

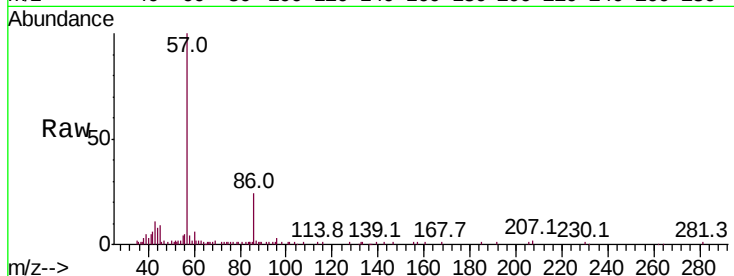




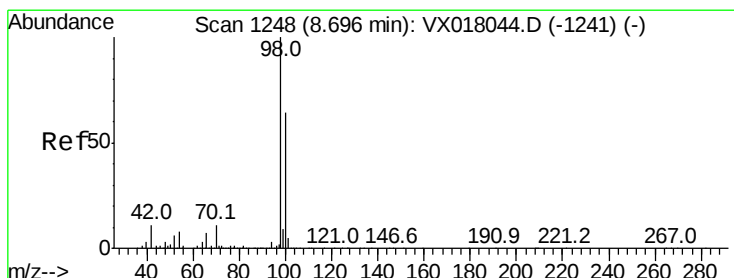
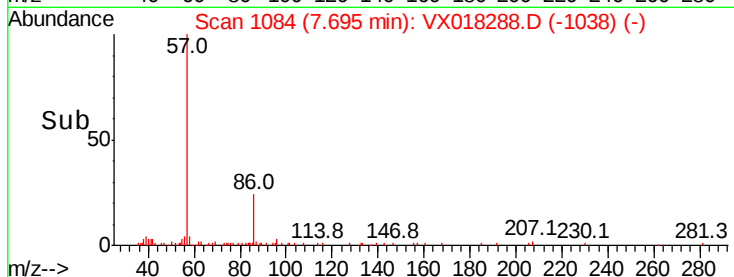
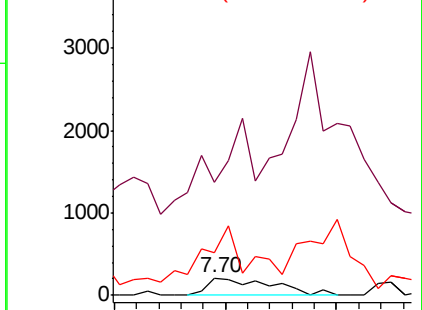
#49
1,4-Dioxane
Concen: 3.517 ug/l
RT: 7.70 min Scan# 1084
Delta R.T. -0.02 min
Lab File: VX018288.D
Acq: 08 Sep 2020 20:13

Instrument :
MSVOA_X
ClientSampleId :
PB131451ZHE#09

Tot Ion: 88 Resp: 420
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 271.2 56.4 84.6#

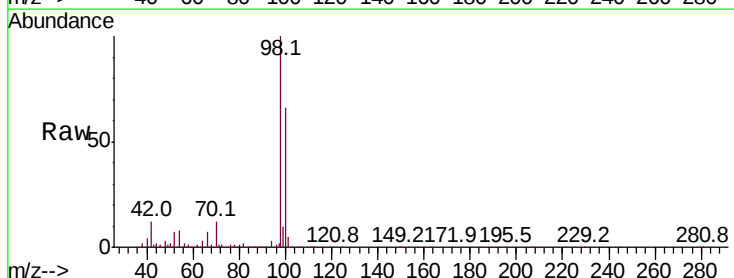


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

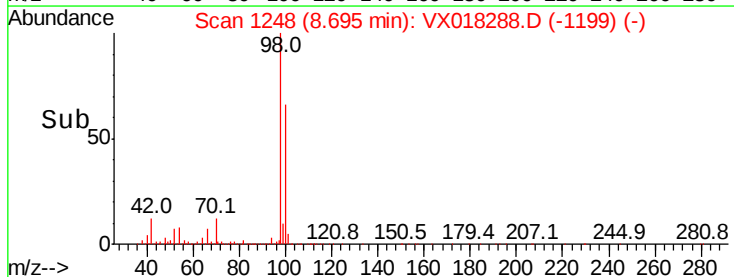
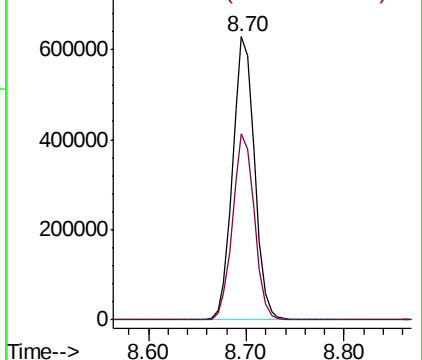


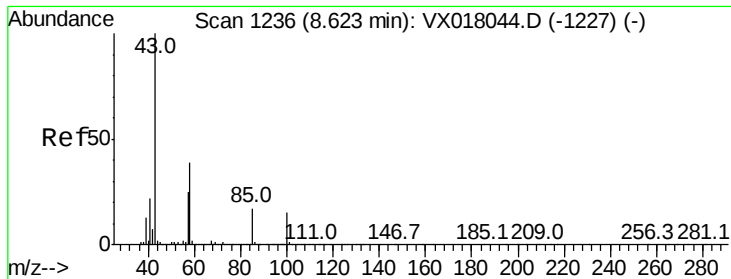
#50
Toluene-d8
Concen: 50.265 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018288.D
Acq: 08 Sep 2020 20:13

Tgt Ion: 98 Resp: 975895
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

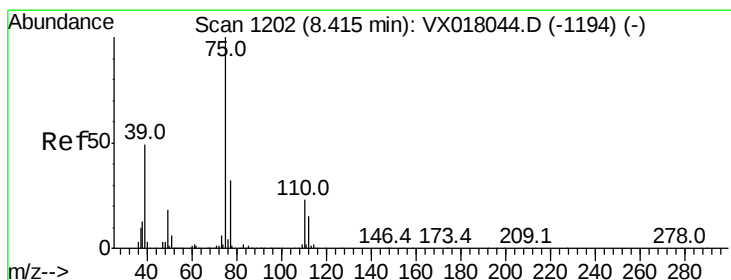
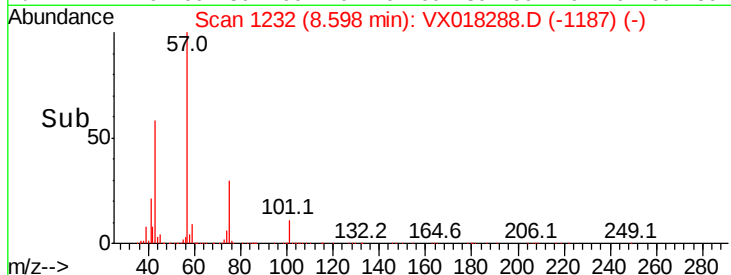
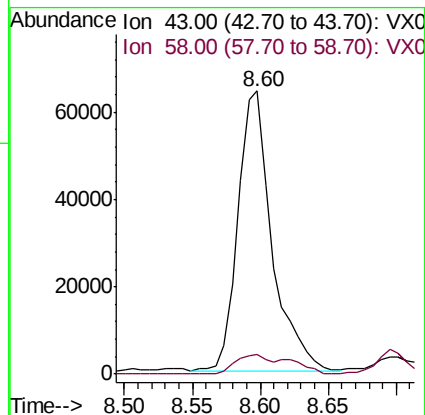
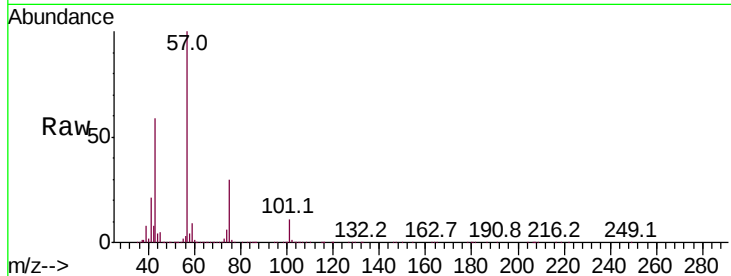




#51
 4-Methyl-2-Pentanone
 Concen: 13.687 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VX018288.D
 Acq: 08 Sep 2020 20:13

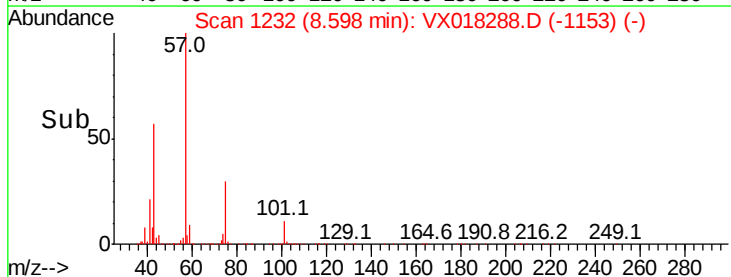
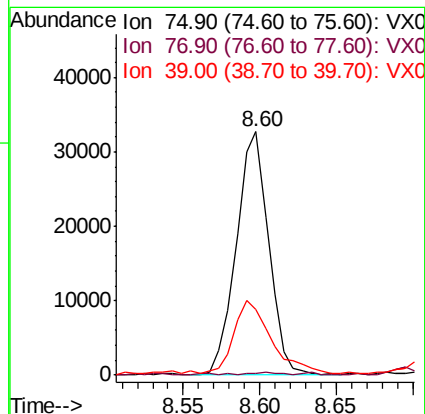
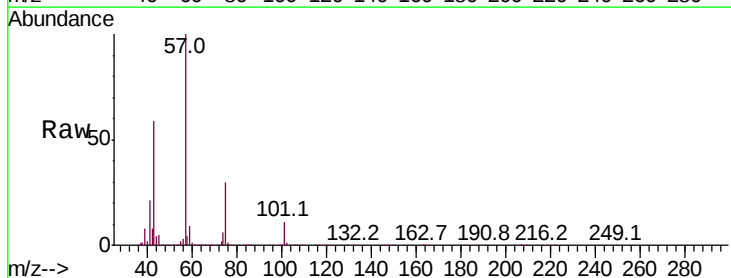
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451ZHE#09

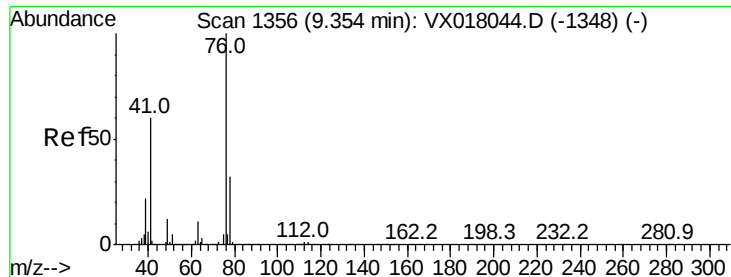
Tot Ion: 43 Resp: 111970
 Ion Ratio Lower Upper
 43 100
 58 6.9 30.7 46.1#



#54
 cis-1,3-Dichloropropene
 Concen: 5.215 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX018288.D
 Acq: 08 Sep 2020 20:13

Tgt Ion: 75 Resp: 48064
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.8 38.8#
 39 26.2 38.8 58.2#





#57

1,3-Dichloropropane

Concen: 0.988 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX018288.D

Acq: 08 Sep 2020 20:13

Instrument :

MSVOA_X

ClientSampleId :

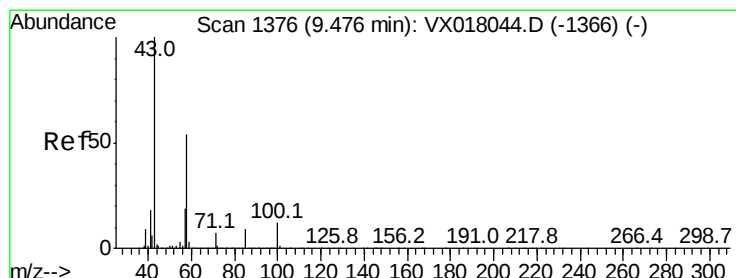
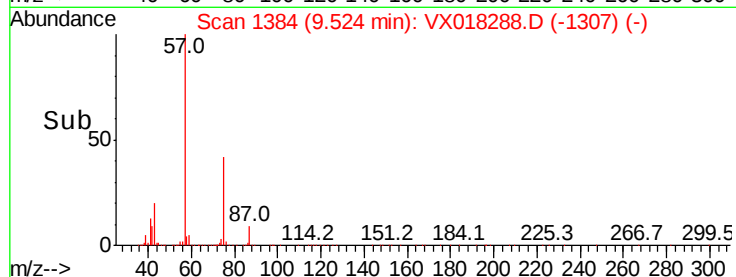
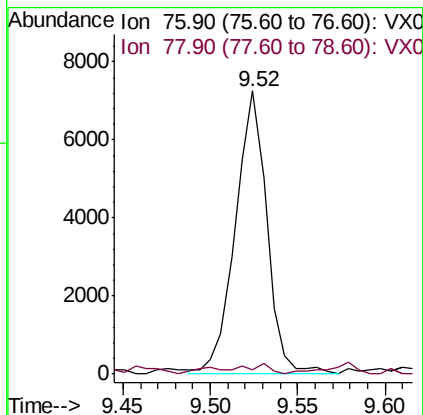
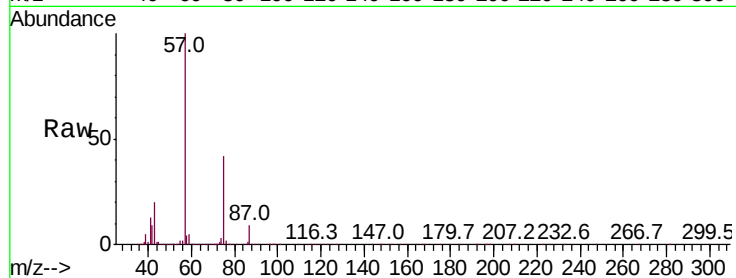
PB131451ZHE#09

Tot Ion: 76 Resp: 9139

Ion Ratio Lower Upper

76 100

78 2.7 25.8 38.6#



#59

2-Hexanone

Concen: 20.026 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX018288.D

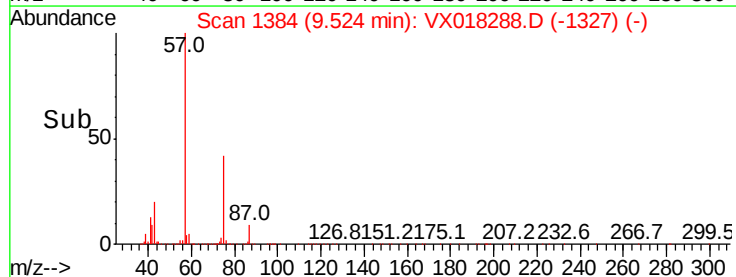
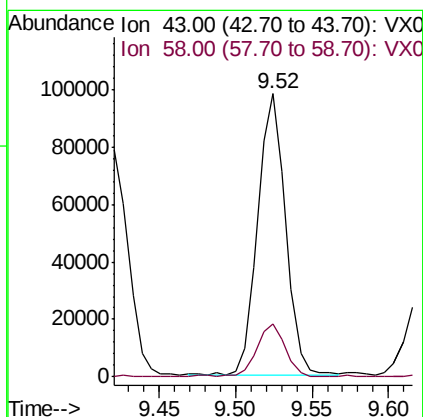
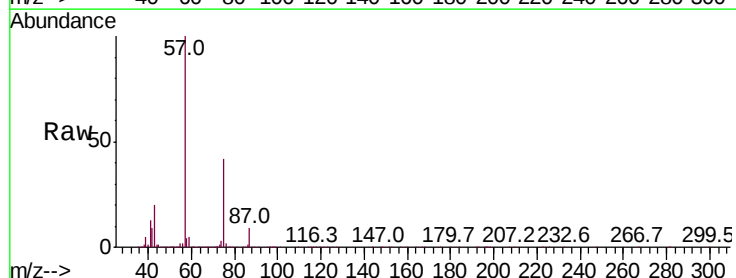
Acq: 08 Sep 2020 20:13

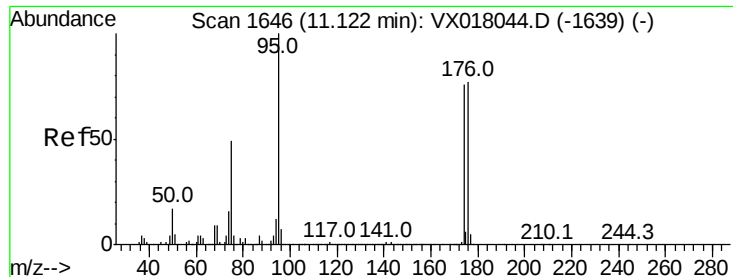
Tgt Ion: 43 Resp: 124572

Ion Ratio Lower Upper

43 100

58 18.8 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 48.530 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018288.D

Acq: 08 Sep 2020 20:13

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#09

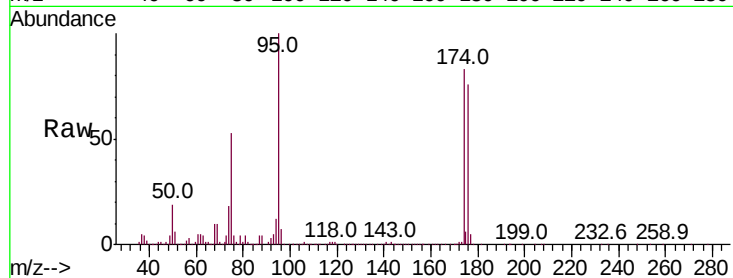
Tot Ion: 95 Resp: 370704

Ion Ratio Lower Upper

95 100

174 81.9 0.0 160.2

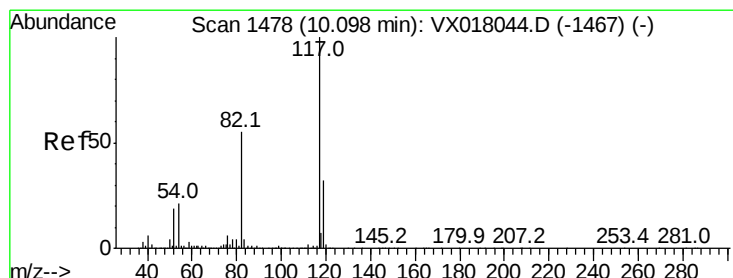
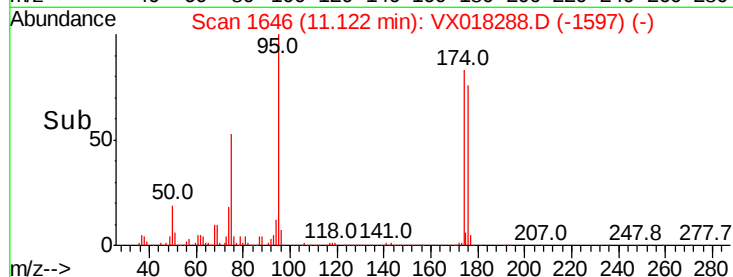
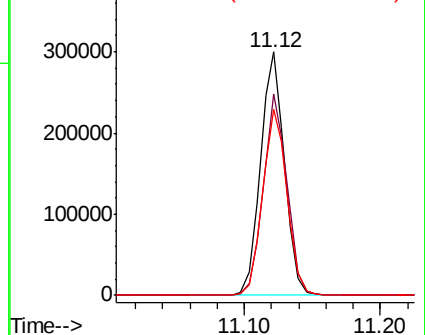
176 77.9 0.0 155.8



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: VX018288.D

Acq: 08 Sep 2020 20:13

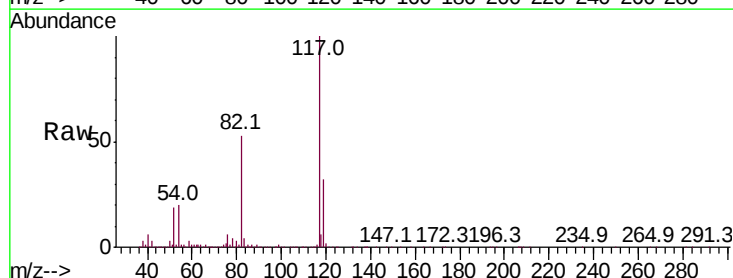
Tgt Ion: 117 Resp: 793563

Ion Ratio Lower Upper

117 100

82 53.2 44.2 66.2

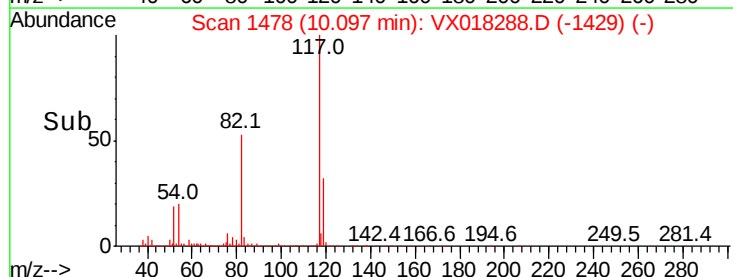
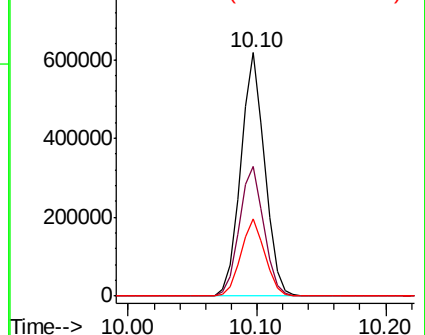
119 31.7 25.7 38.5

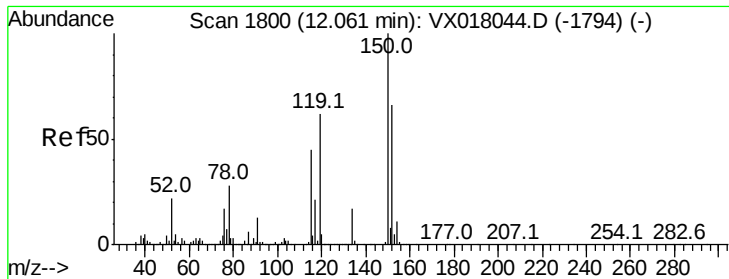


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

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: VX018288.D

Acq: 08 Sep 2020 20:13

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#09

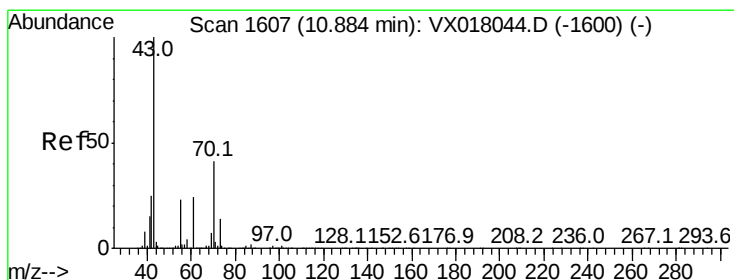
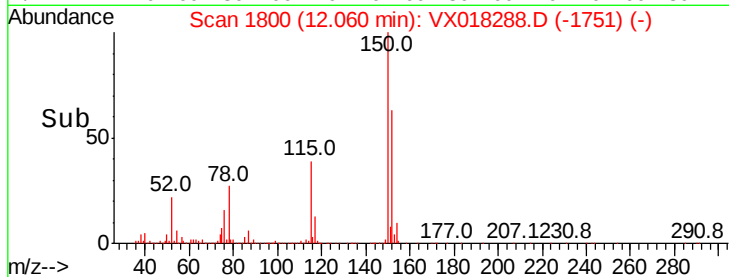
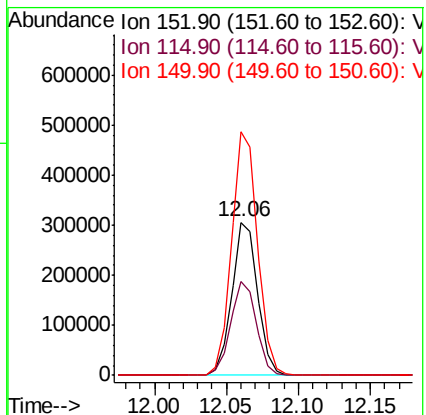
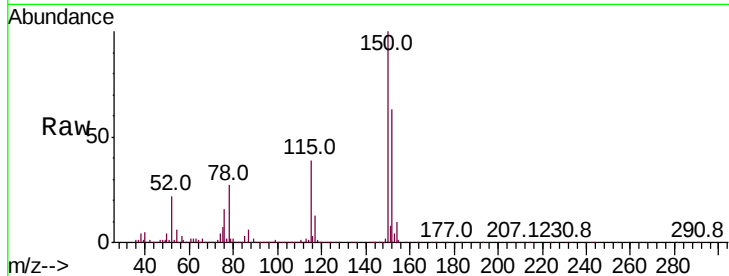
Tot Ion:152 Resp: 382719

Ion Ratio Lower Upper

152 100

115 61.6 41.5 124.5

150 160.0 0.0 343.8



#74

N-ethyl acetate

Concen: 0.438 ug/l

RT: 10.81 min Scan# 1595

Delta R.T. -0.07 min

Lab File: VX018288.D

Acq: 08 Sep 2020 20:13

Tgt Ion: 43 Resp: 5245

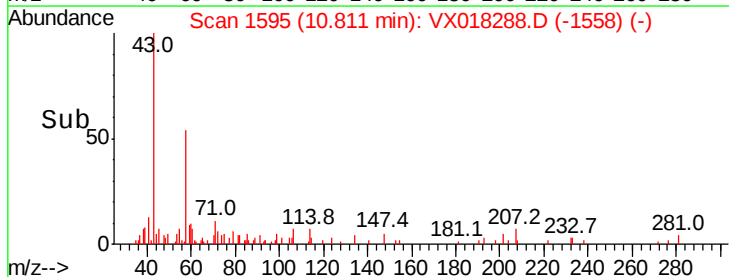
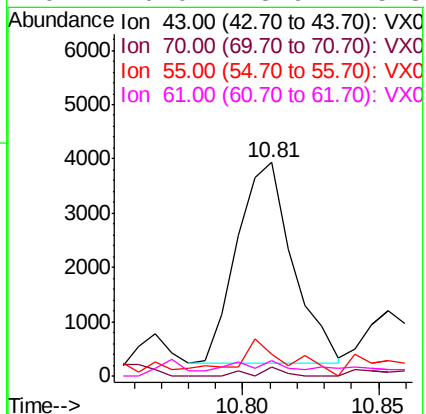
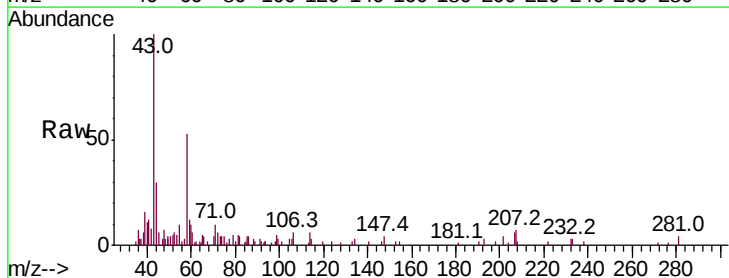
Ion Ratio Lower Upper

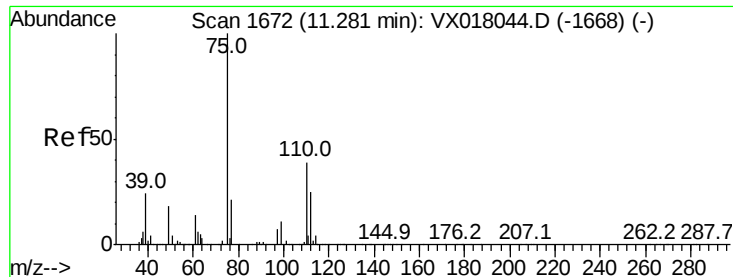
43 100

70 2.1 32.3 48.5#

55 16.5 18.2 27.2#

61 0.0 18.9 28.3#

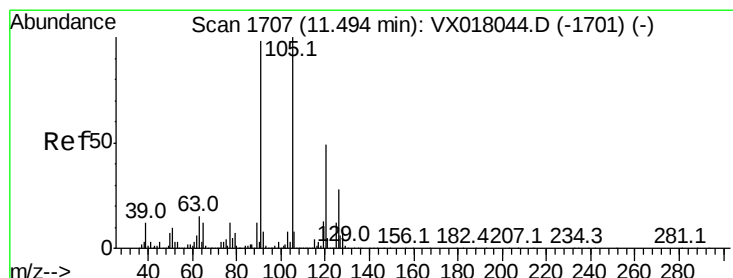
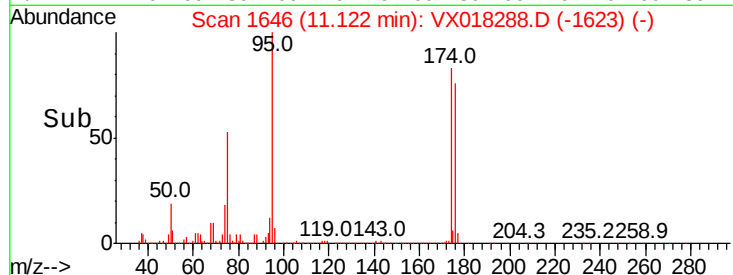
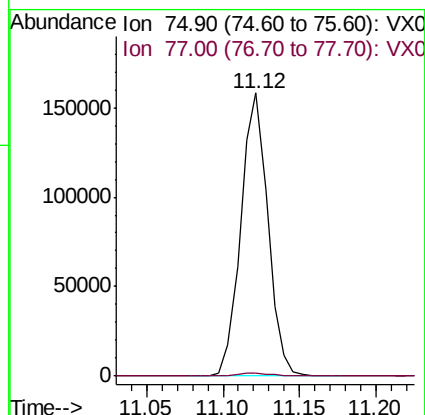
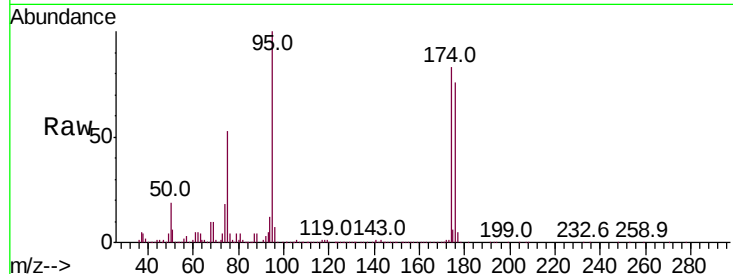




#76
 1,2,3-Trichloropropane
 Concen: 22.697 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018288.D
 Acq: 08 Sep 2020 20:13

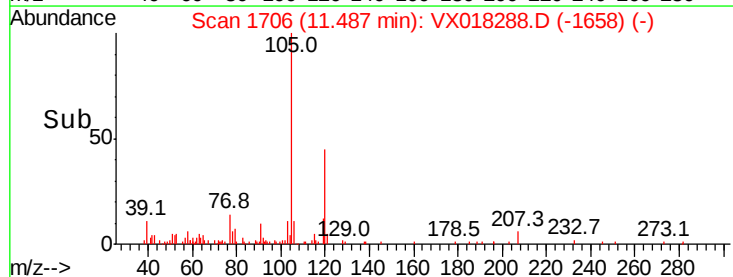
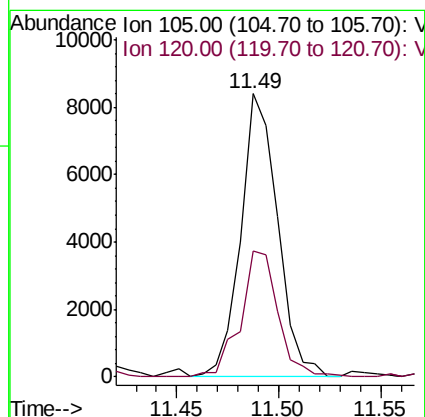
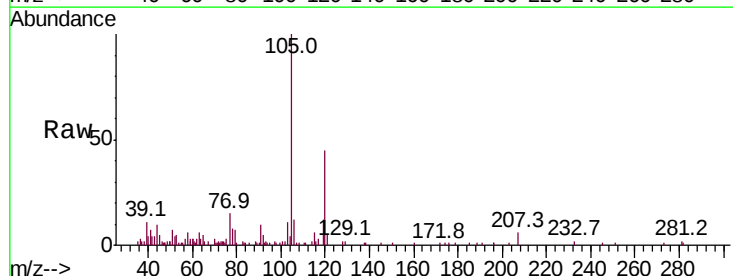
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131451ZHE#09

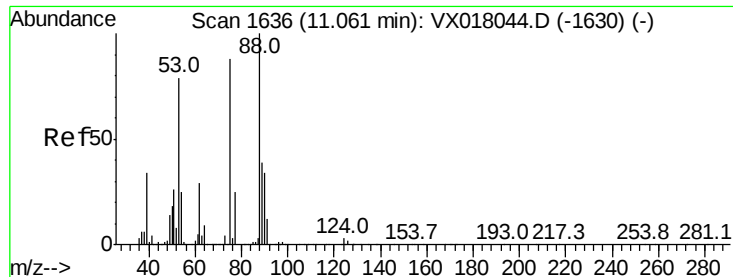
Tot Ion: 75 Resp: 193237
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.8 62.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.508 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX018288.D
 Acq: 08 Sep 2020 20:13

Tgt Ion: 105 Resp: 10531
 Ion Ratio Lower Upper
 105 100
 120 45.7 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 61.301 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018288.D

Acq: 08 Sep 2020 20:13

Instrument :

MSVOA_X

ClientSampleId :

PB131451ZHE#09

Tot Ion: 75 Resp: 193237

Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.0 36.6 54.8#

