

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082620\
 Data File : VX018074.D
 Acq On : 26 Aug 2020 14:02
 Operator : JC/SP
 Sample : PB131195ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131195ZHE#05

Quant Time: Aug 27 04:03:59 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	480873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	720586	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	700481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	329306	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	336502	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	5.46	113	267485	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	
50) Toluene-d8	8.70	98	895303	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.12	95	360655	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	

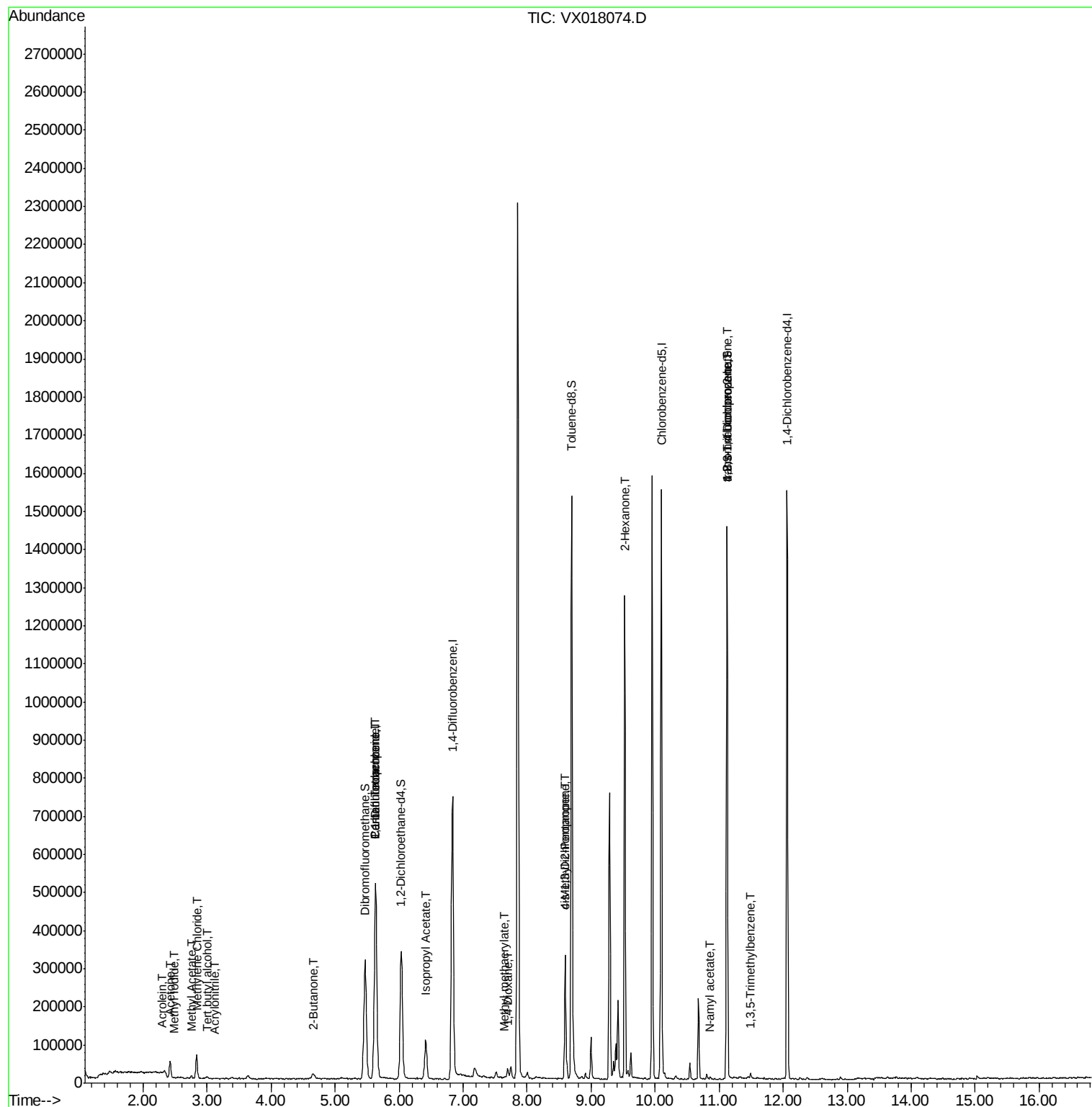
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.49	142	319	5.345	ug/l #	48
11) Tert butyl alcohol	3.00	59	4468	3.442	ug/l	98
13) Acrolein	2.29	56	146	0.271	ug/l #	14
15) Acrylonitrile	3.11	53	601	0.204	ug/l #	41
16) Acetone	2.42	43	44806	17.225	ug/l	91
18) Methyl Acetate	2.75	43	8927	1.422	ug/l #	90
20) Methylene Chloride	2.84	84	29005	4.388	ug/l	97
25) 2-Butanone	4.65	43	8471	1.981	ug/l	97
36) 1,1-Dichloropropene	5.64	75	37881	5.700	ug/l #	52
38) Carbon Tetrachloride	5.63	117	50346	6.722	ug/l #	17
43) Isopropyl Acetate	6.42	43	136016	10.909	ug/l	98
48) Methyl methacrylate	7.65	41	7299	1.176	ug/l #	16
49) 1,4-Dioxane	7.71	88	166	1.476	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	121561	15.784	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	51109	5.890	ug/l #	59
59) 2-Hexanone	9.52	43	138883	23.715	ug/l #	51
74) N-amyl acetate	10.86	43	2166	0.210	ug/l #	48
76) 1,2,3-Trichloropropane	11.12	75	183145	25.001	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	5027	0.282	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.12	75	183145	67.523	ug/l #	12

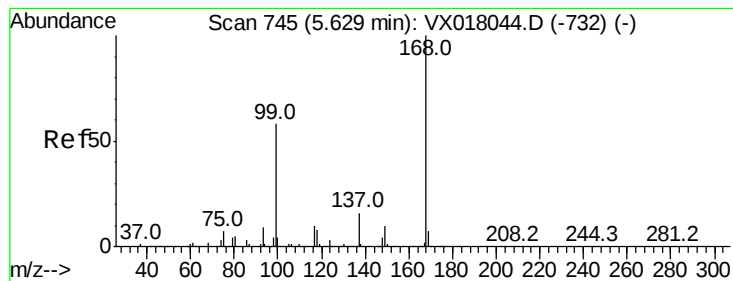
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 27 04:03:59 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: VX018074.D

Acq: 26 Aug 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

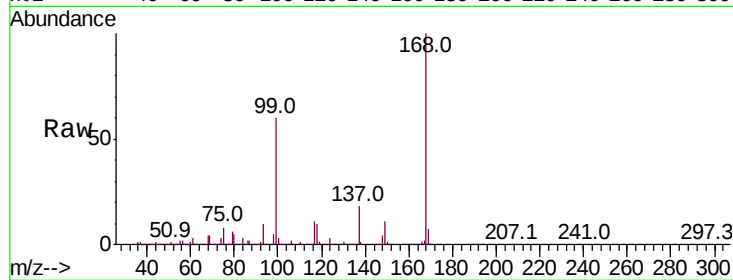
PB131195ZHE#05

Tot Ion:168 Resp: 480873

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

200000

150000

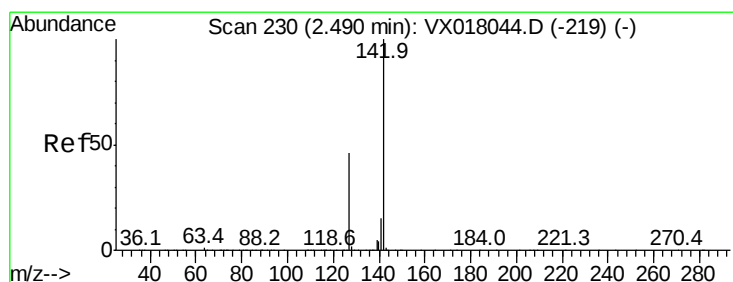
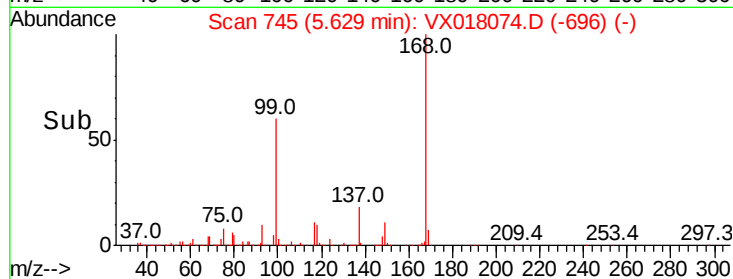
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#10

Methyl Iodide

Concen: 5.345 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018074.D

Acq: 26 Aug 2020 14:02

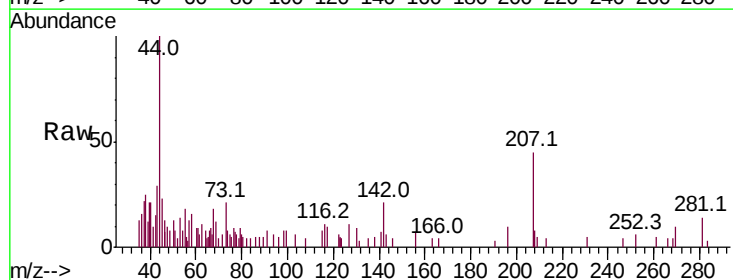
Tgt Ion:142 Resp: 319

Ion Ratio Lower Upper

142 100

127 85.3 37.0 55.6#

141 27.3 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

400

300

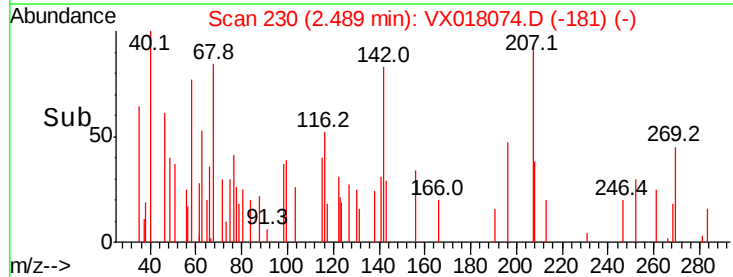
200

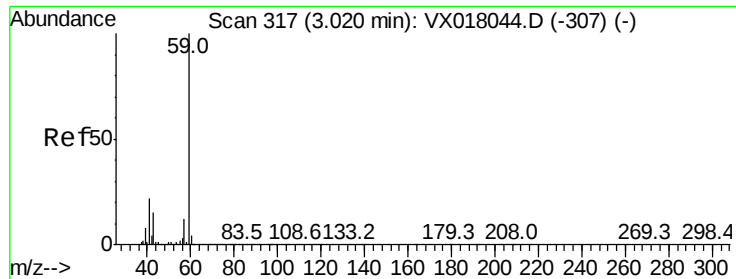
100

0

2.46 2.48 2.50

Time-->



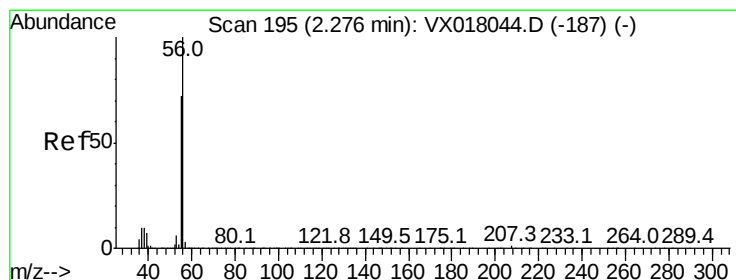
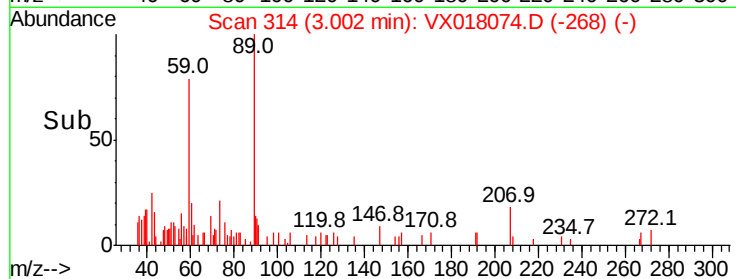
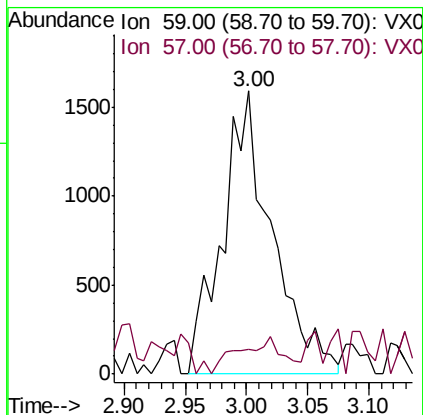
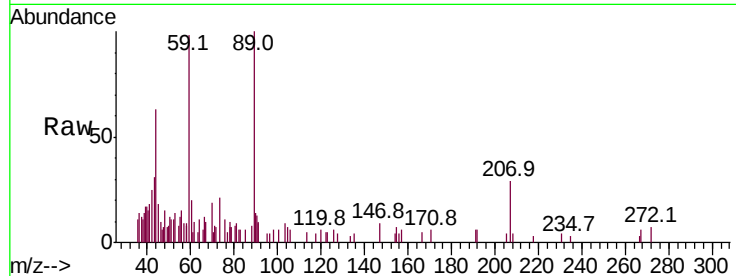


#11

Tert butyl alcohol
 Concen: 3.442 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX018074.D
 Acq: 26 Aug 2020 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131195ZHE#05

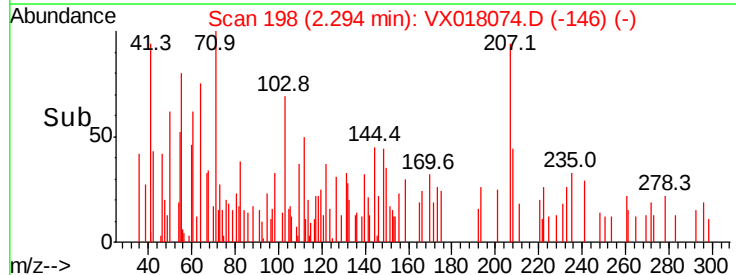
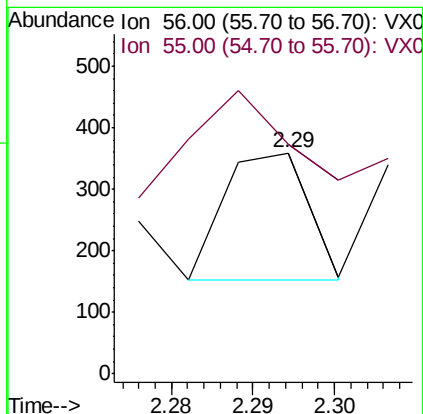
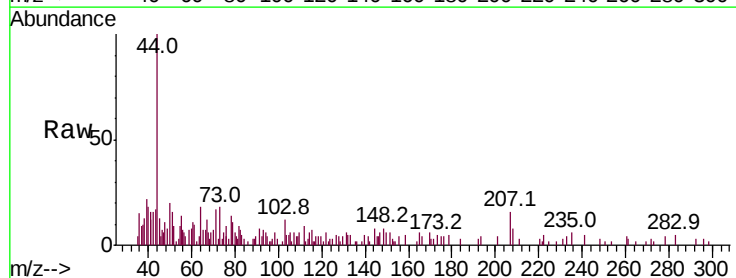
Tot Ion: 59 Resp: 4468
 Ion Ratio Lower Upper
 59 100
 57 12.0 8.9 13.3

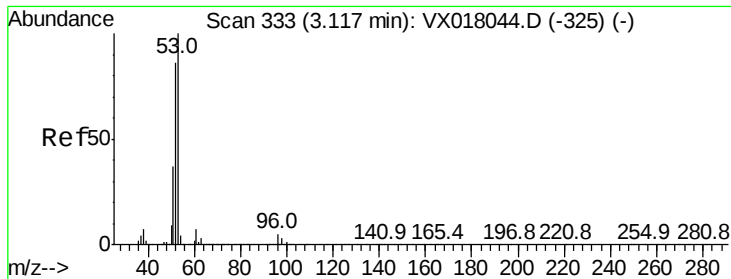


#13

Acrolein
 Concen: 0.271 ug/l
 RT: 2.29 min Scan# 198
 Delta R.T. 0.02 min
 Lab File: VX018074.D
 Acq: 26 Aug 2020 14:02

Tgt Ion: 56 Resp: 146
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.6#





#15

Acrylonitrile

Concen: 0.204 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX018074.D

Acq: 26 Aug 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#05

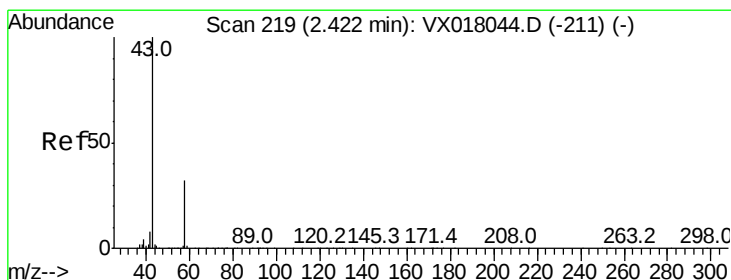
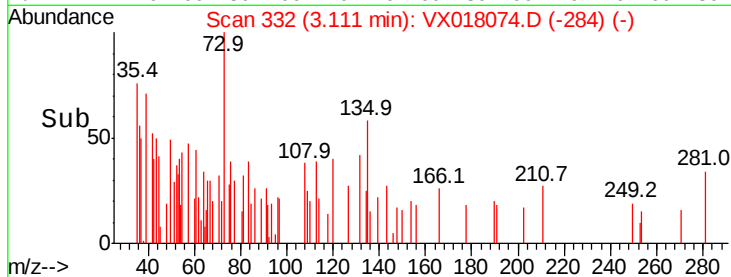
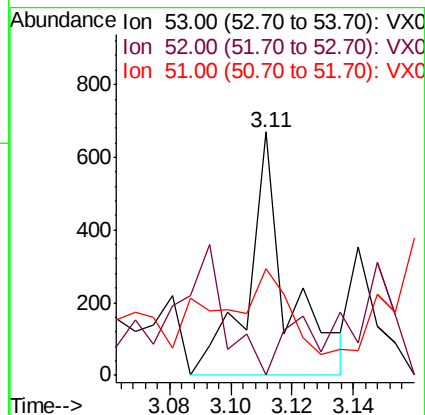
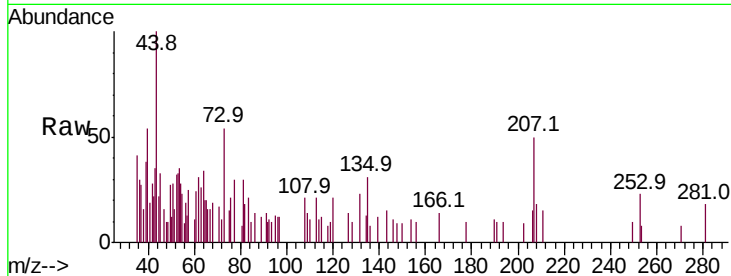
Tot Ion: 53 Resp: 601

Ion Ratio Lower Upper

53 100

52 21.3 66.9 100.3#

51 57.6 28.7 43.1#



#16

Acetone

Concen: 17.225 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018074.D

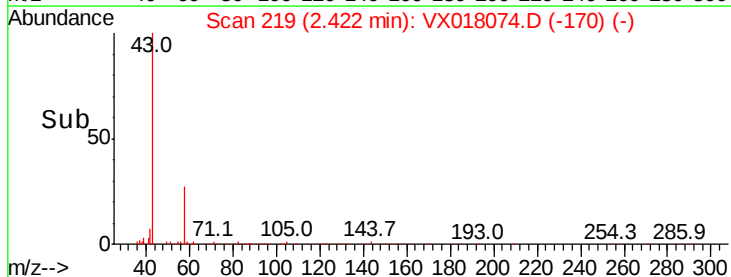
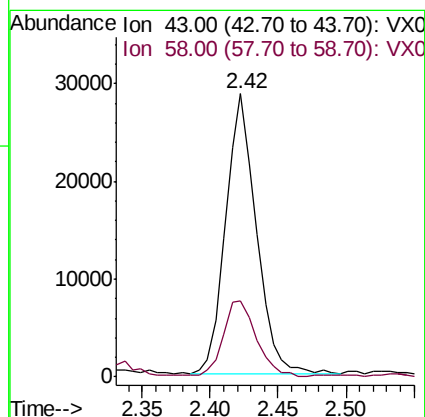
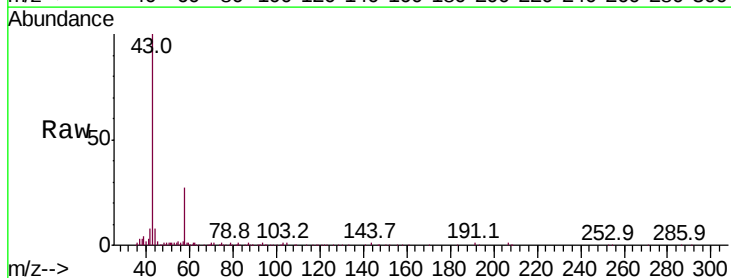
Acq: 26 Aug 2020 14:02

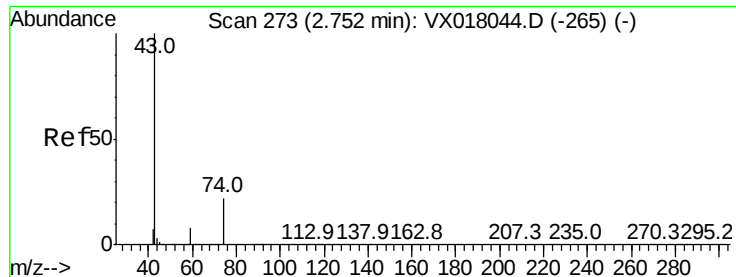
Tgt Ion: 43 Resp: 44806

Ion Ratio Lower Upper

43 100

58 26.7 25.5 38.3

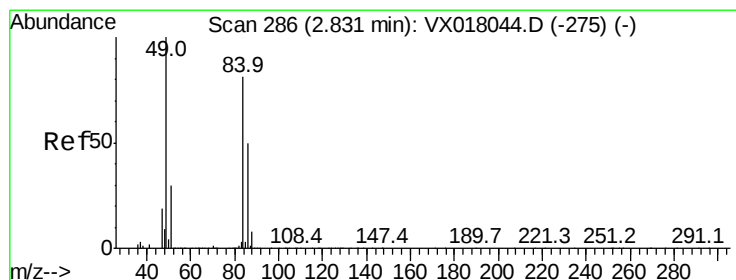
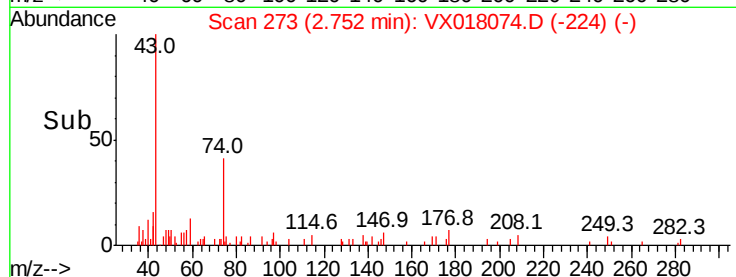
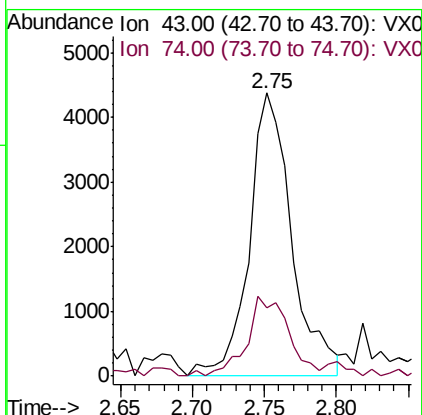
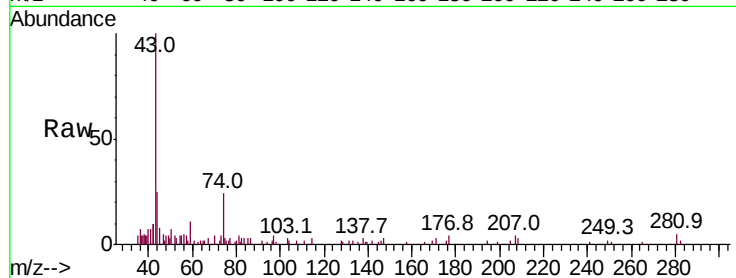




#18
Methvl Acetate
Concen: 1.422 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018074.D
Acq: 26 Aug 2020 14:02

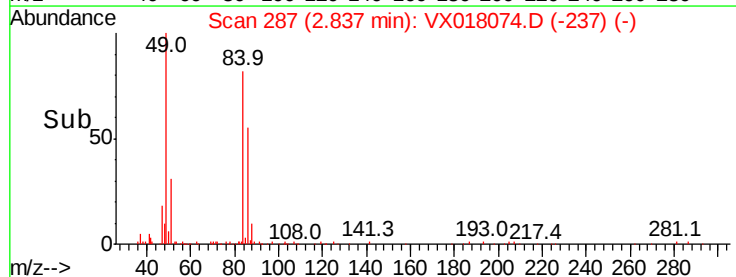
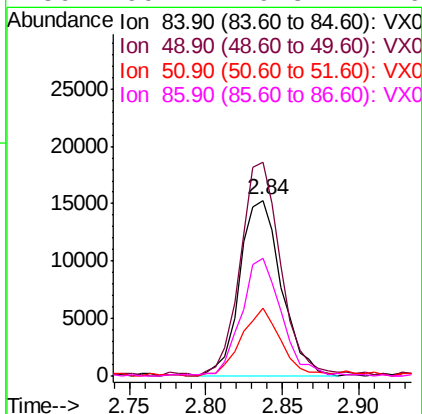
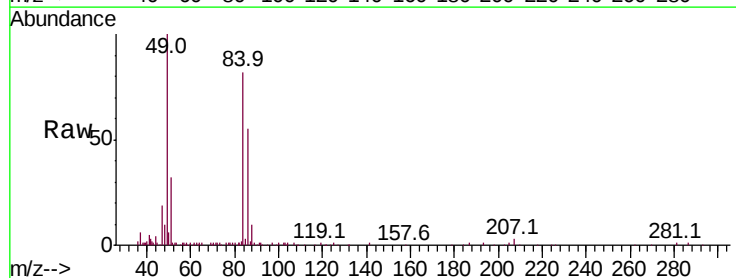
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#05

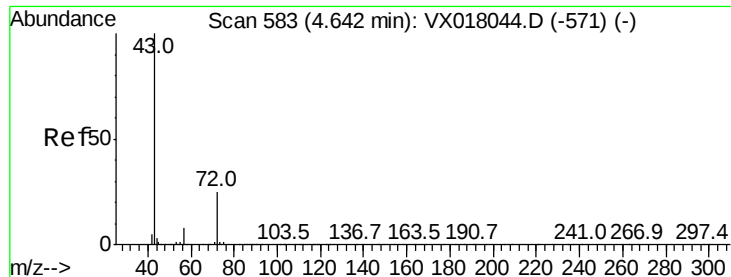
Tot Ion: 43 Resp: 8927
Ion Ratio Lower Upper
43 100
74 27.5 18.2 27.4#



#20
Methylene Chloride
Concen: 4.388 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018074.D
Acq: 26 Aug 2020 14:02

Tgt Ion: 84 Resp: 29005
Ion Ratio Lower Upper
84 100
49 120.2 98.6 148.0
51 38.5 29.6 44.4
86 66.1 49.8 74.6

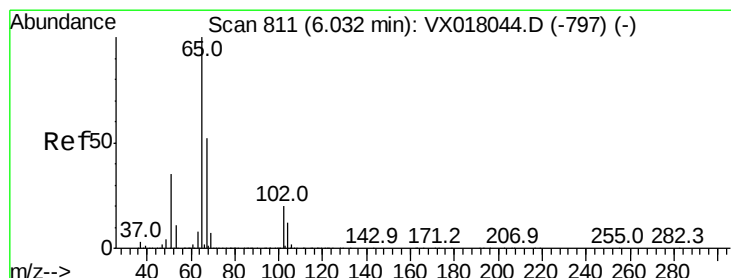
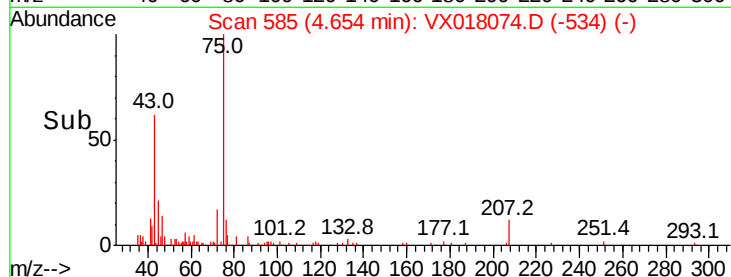
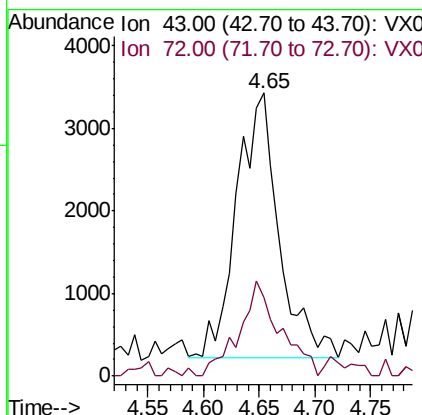
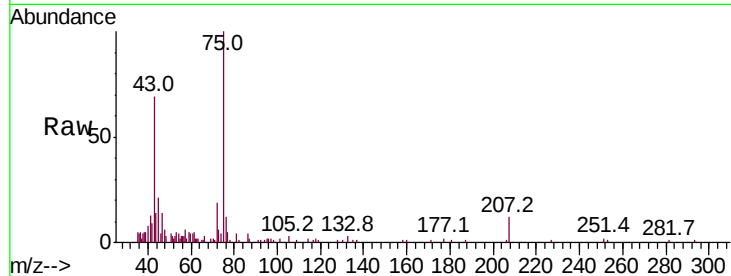




#25
2-Butanone
Concen: 1.981 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX018074.D
Acq: 26 Aug 2020 14:02

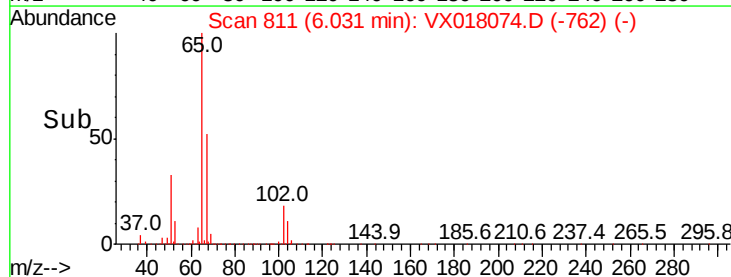
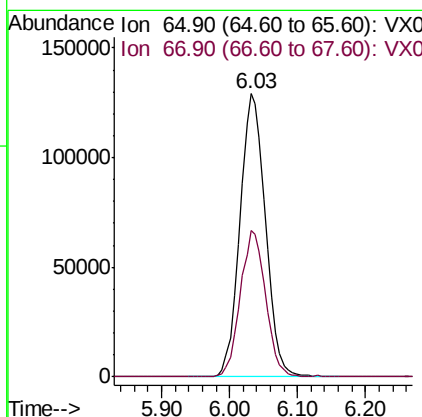
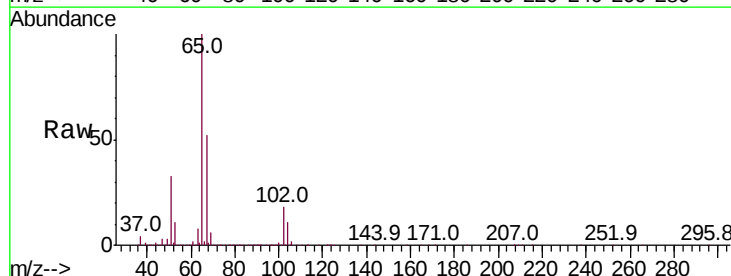
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#05

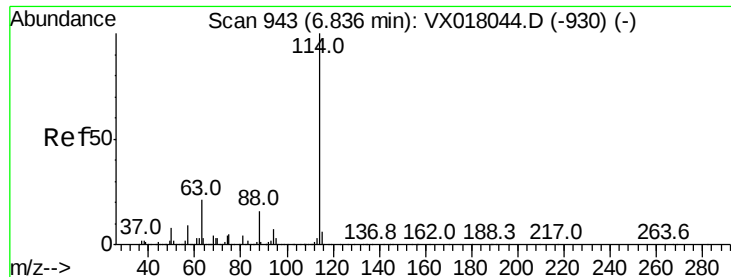
Tot Ion: 43 Resp: 8471
Ion Ratio Lower Upper
43 100
72 26.4 19.8 29.6



#33
1,2-Dichloroethane-d4
Concen: 50.407 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018074.D
Acq: 26 Aug 2020 14:02

Tgt Ion: 65 Resp: 336502
Ion Ratio Lower Upper
65 100
67 51.4 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: VX018074.D

Acq: 26 Aug 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#05

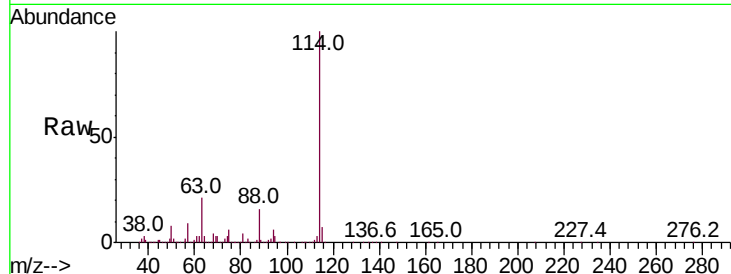
Tot Ion:114 Resp: 720586

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

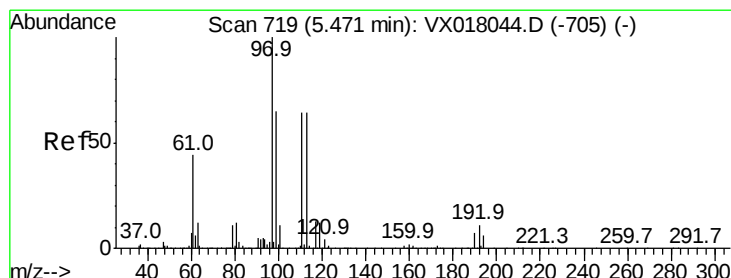
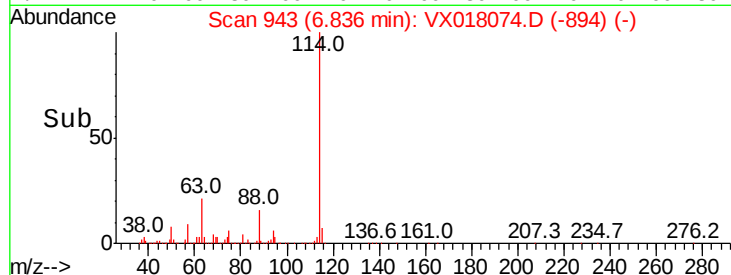
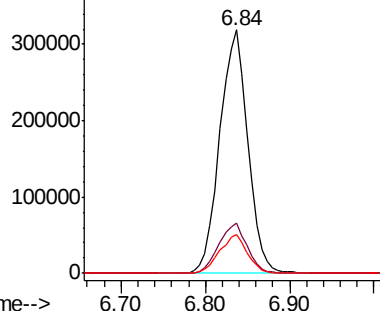
88 15.9 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 54.505 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018074.D

Acq: 26 Aug 2020 14:02

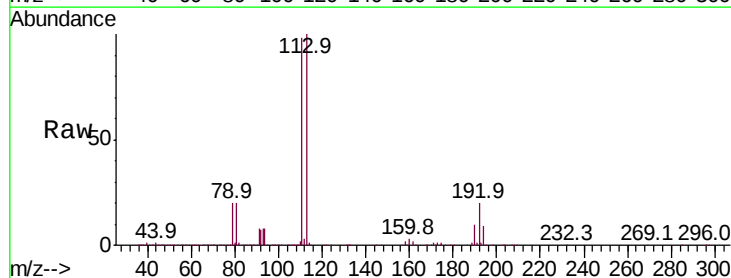
Tgt Ion:113 Resp: 267485

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

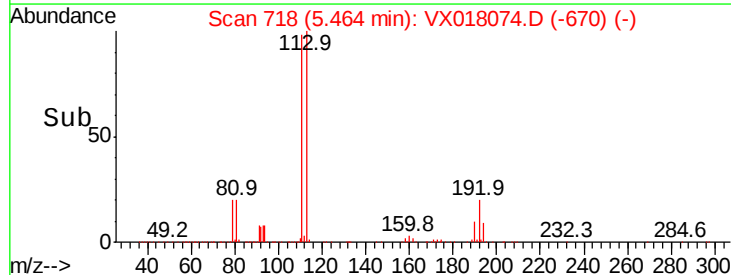
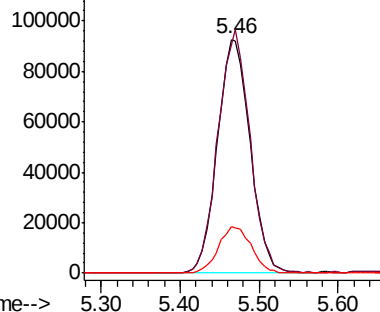
192 20.1 15.8 23.8

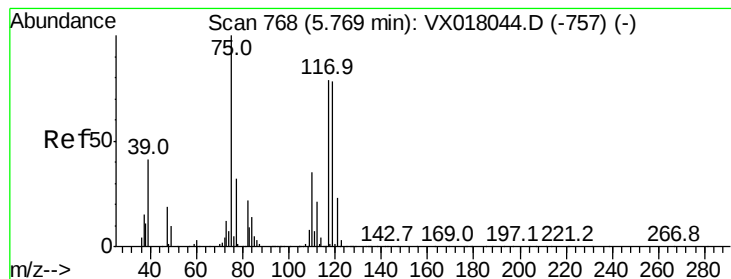


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.700 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018074.D

Acq: 26 Aug 2020 14:02

Instrument :

MSVOA_X

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PB131195ZHE#05

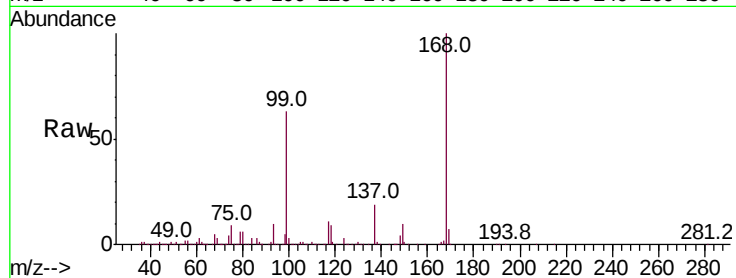
Tot Ion: 75 Resp: 37881

Ion Ratio Lower Upper

75 100

110 11.1 18.0 54.0#

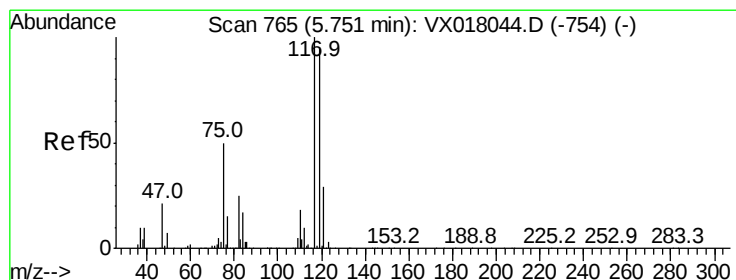
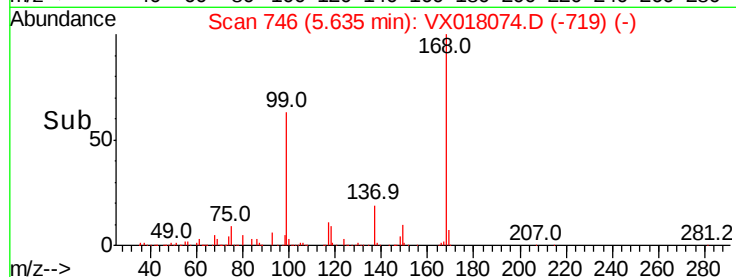
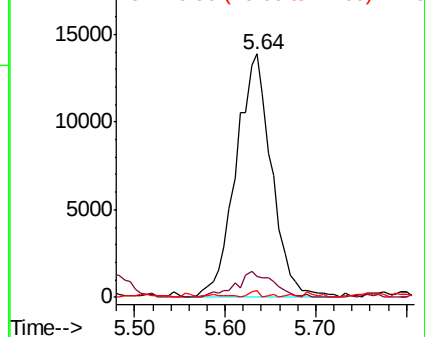
77 0.8 24.4 36.6#



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: 6.722 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018074.D

Acq: 26 Aug 2020 14:02

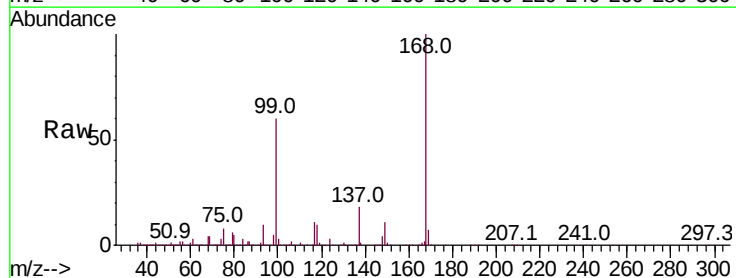
Tgt Ion: 117 Resp: 50346

Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.6#

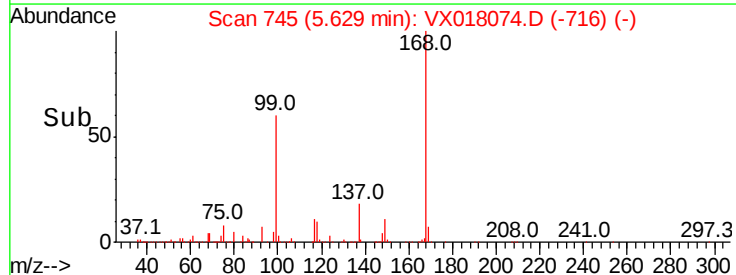
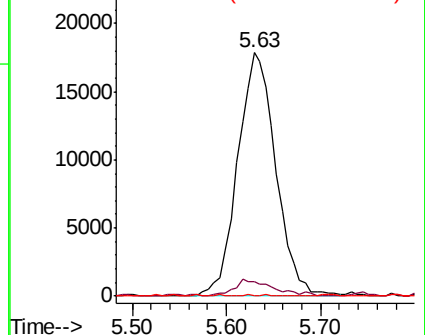
121 0.3 23.4 35.0#

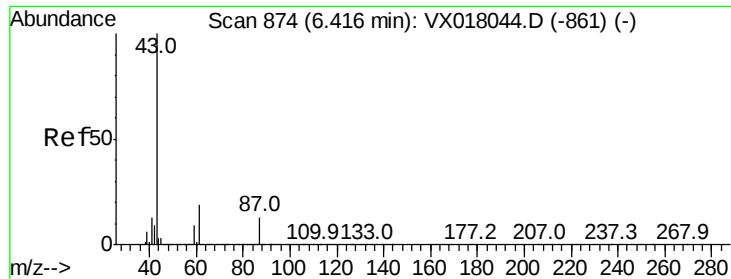


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



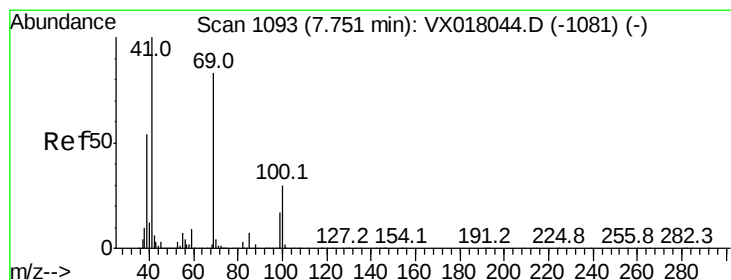
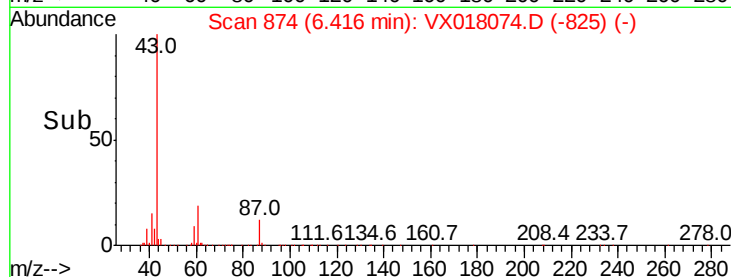
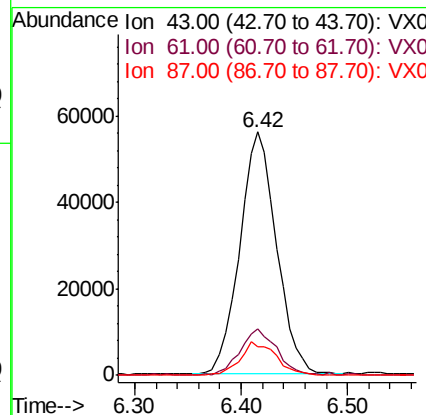
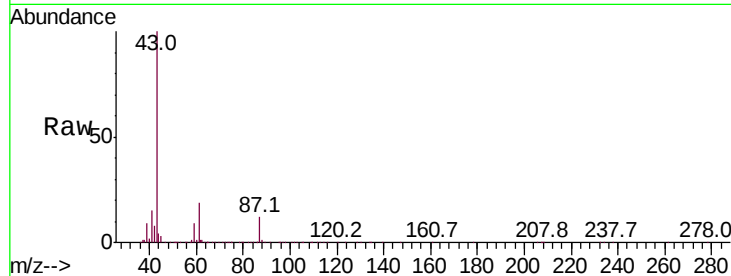


#43

Isopropyl Acetate
 Concen: 10.909 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX018074.D
 Acq: 26 Aug 2020 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131195ZHE#05

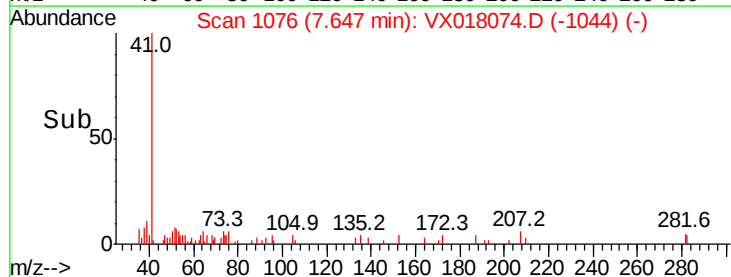
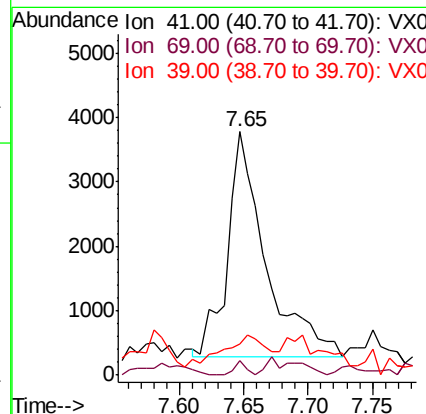
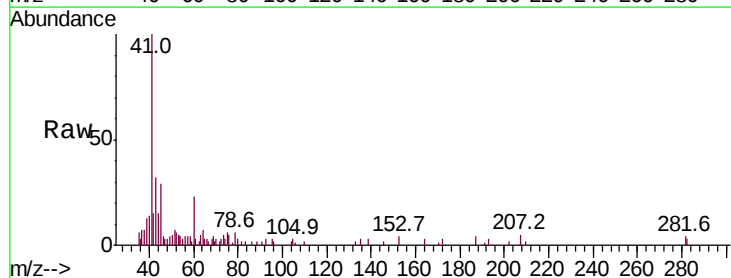
Tot Ion	43	Resp	136016
Ion Ratio	100	Lower	Upper
61	18.9	15.7	23.5
87	13.6	10.3	15.5

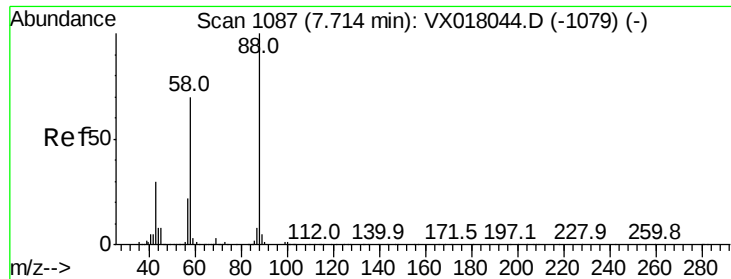


#48

Methyl methacrylate
 Concen: 1.176 ug/l
 RT: 7.65 min Scan# 1076
 Delta R.T. -0.10 min
 Lab File: VX018074.D
 Acq: 26 Aug 2020 14:02

Tgt Ion	41	Resp	7299
Ion Ratio	100	Lower	Upper
69	1.8	65.5	98.3#
39	0.0	44.5	66.7#





#49

1,4-Dioxane

Concen: 1.476 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018074.D

Acq: 26 Aug 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#05

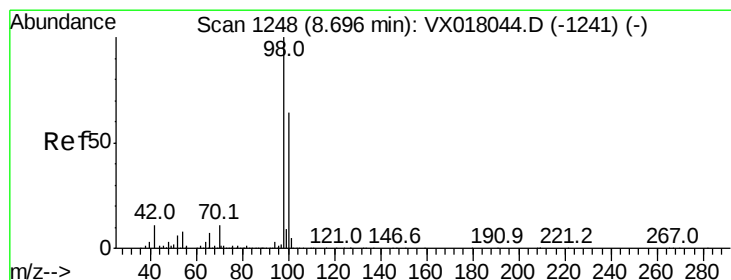
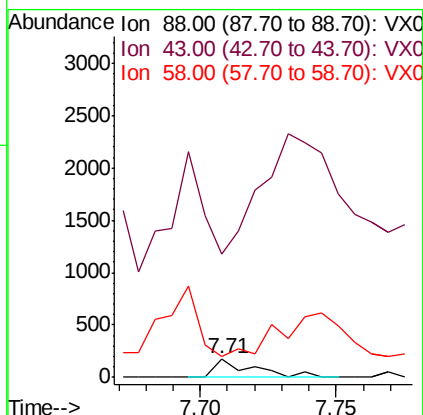
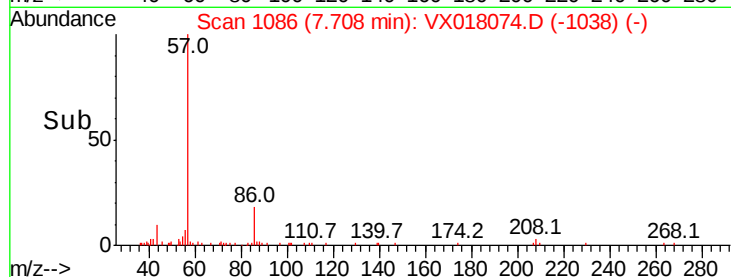
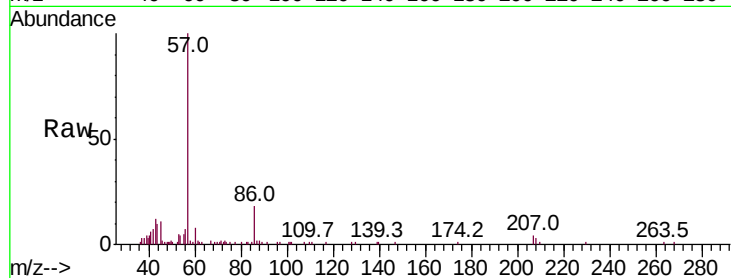
Tot Ion: 88 Resp: 166

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 693.4 56.4 84.6#



#50

Toluene-d8

Concen: 48.981 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018074.D

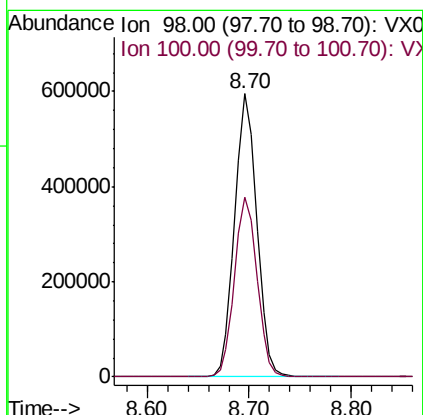
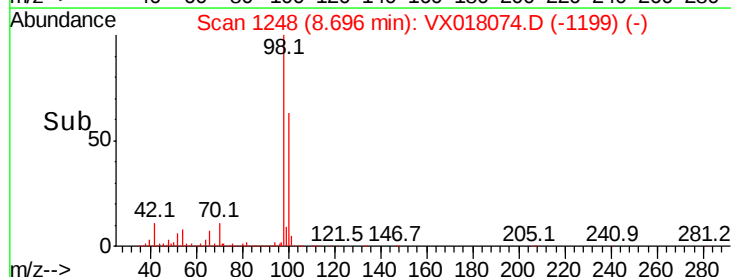
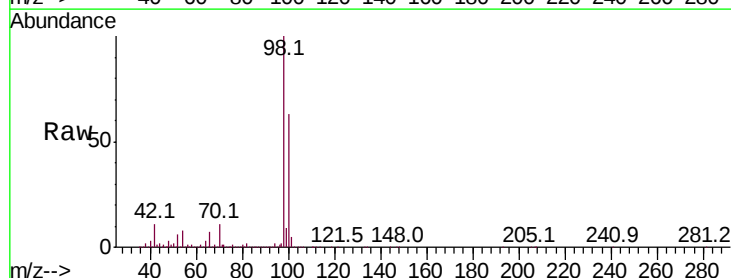
Acq: 26 Aug 2020 14:02

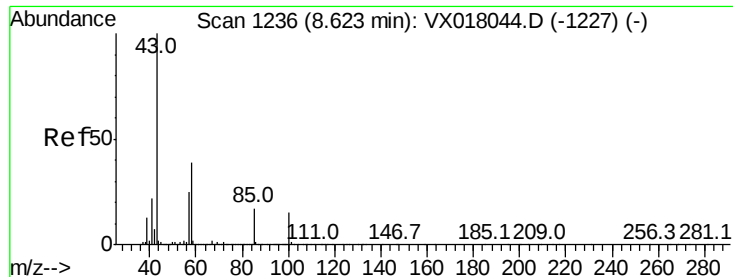
Tgt Ion: 98 Resp: 895303

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 15.784 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

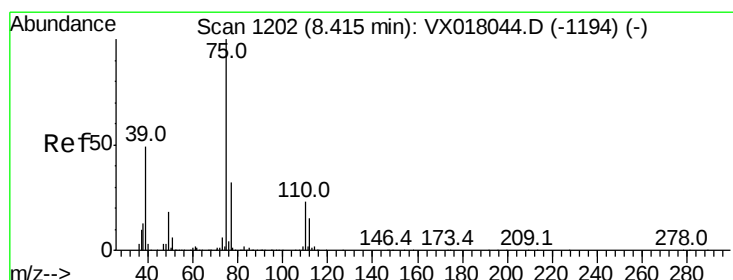
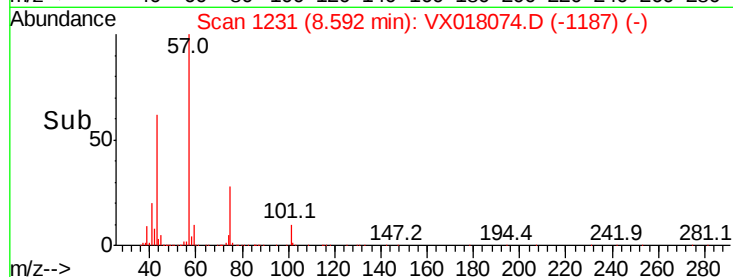
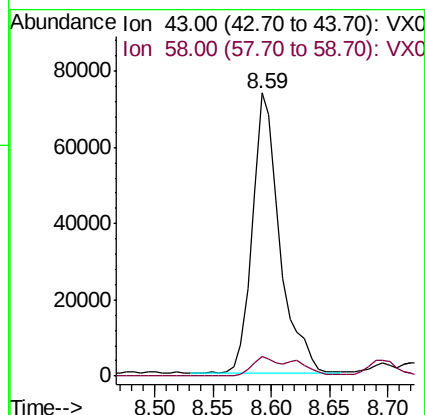
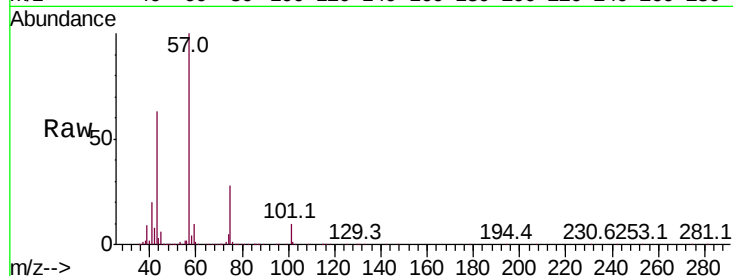
Lab File: VX018074.D

Acq: 26 Aug 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#05

Tot Ion: 43 Resp: 121561

Ion	Ratio	Lower	Upper
43	100		
58	6.7	30.7	46.1#



#54

cis-1,3-Dichloropropene

Concen: 5.890 ug/l

RT: 8.60 min Scan# 1232

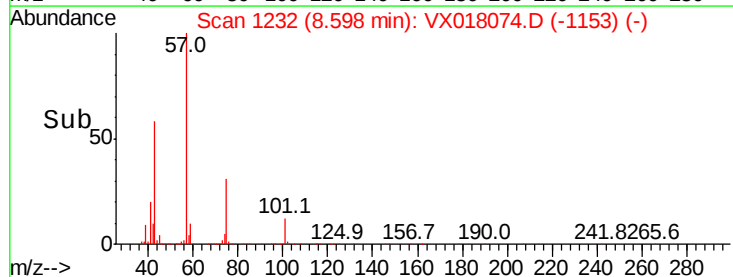
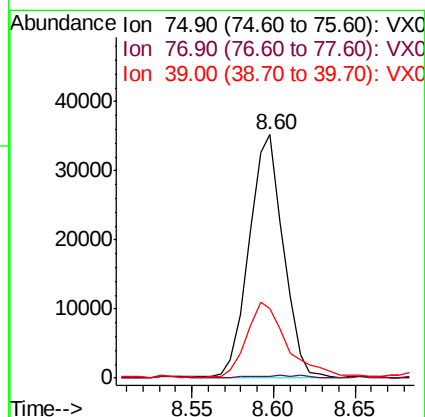
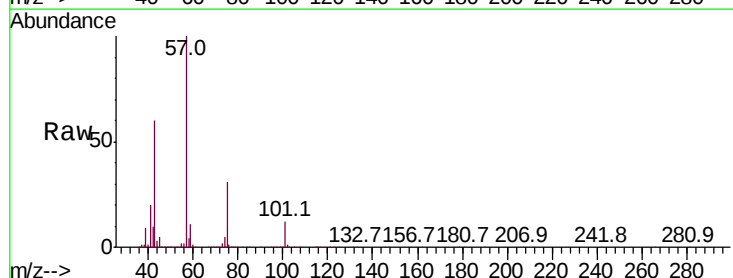
Delta R.T. 0.18 min

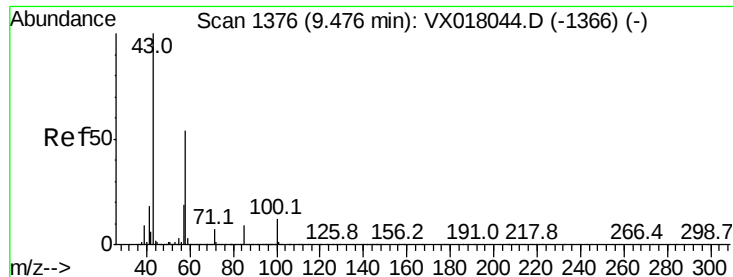
Lab File: VX018074.D

Acq: 26 Aug 2020 14:02

Tgt Ion: 75 Resp: 51109

Ion	Ratio	Lower	Upper
75	100		
77	0.5	25.8	38.8#
39	28.3	38.8	58.2#

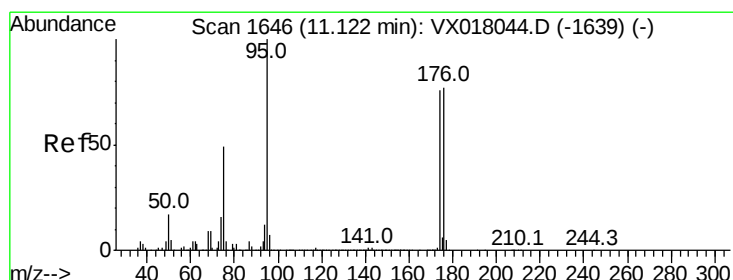
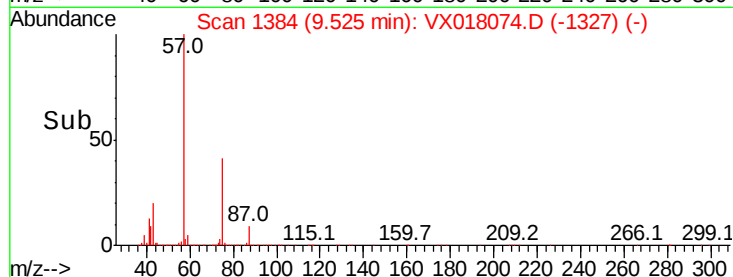
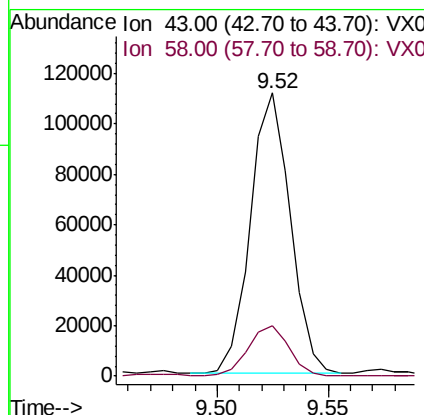
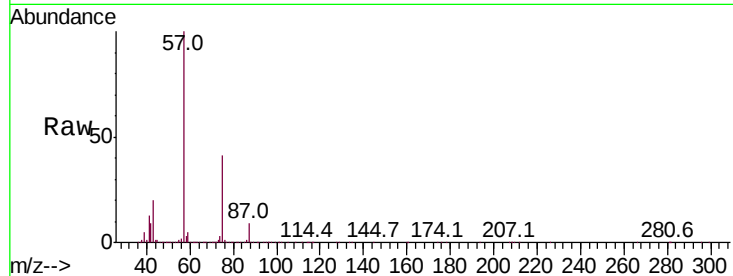




#59
2-Hexanone
Concen: 23.715 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX018074.D
Acq: 26 Aug 2020 14:02

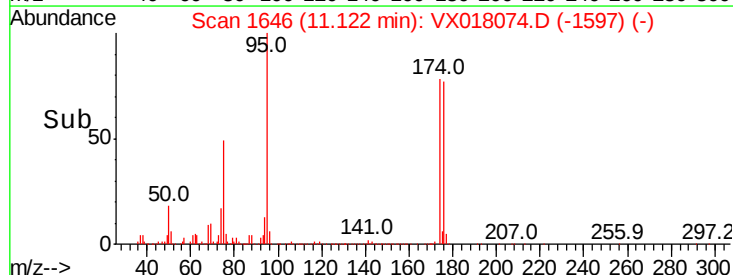
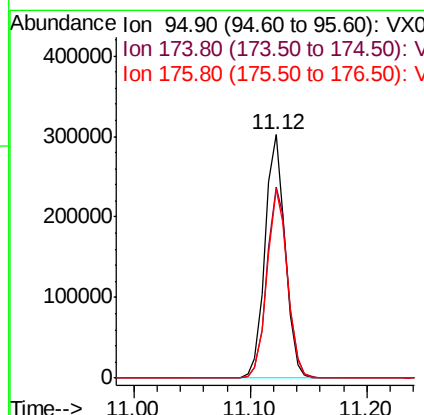
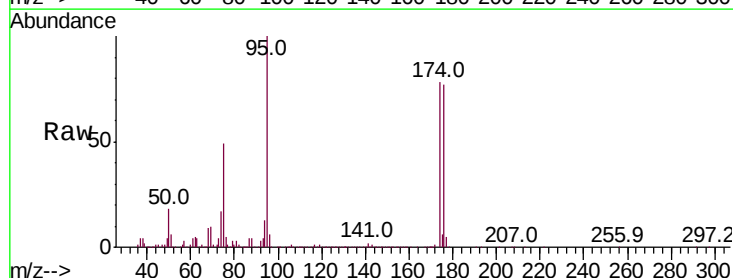
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#05

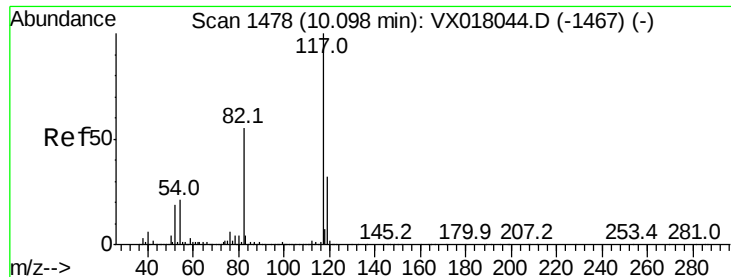
Tot Ion: 43 Resp: 138883
Ion Ratio Lower Upper
43 100
58 18.4 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 50.150 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018074.D
Acq: 26 Aug 2020 14:02

Tgt Ion: 95 Resp: 360655
Ion Ratio Lower Upper
95 100
174 80.9 0.0 160.2
176 78.3 0.0 155.8

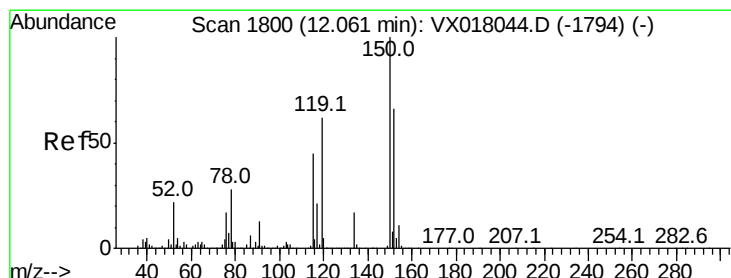
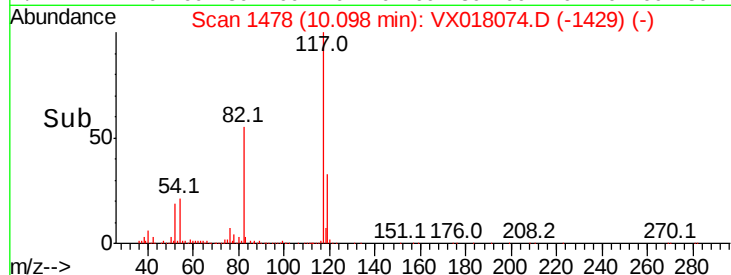
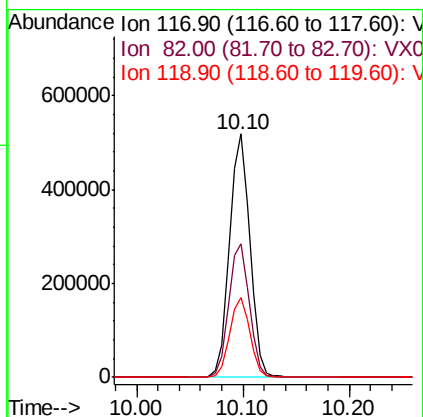
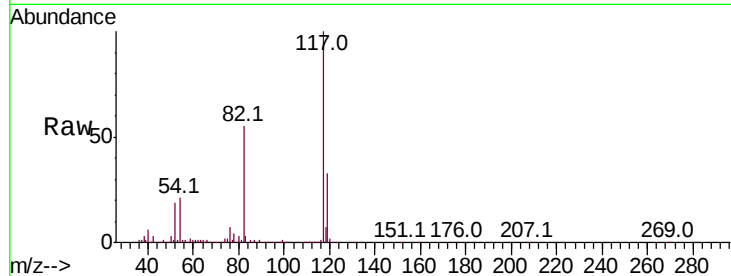




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018074.D
Acq: 26 Aug 2020 14:02

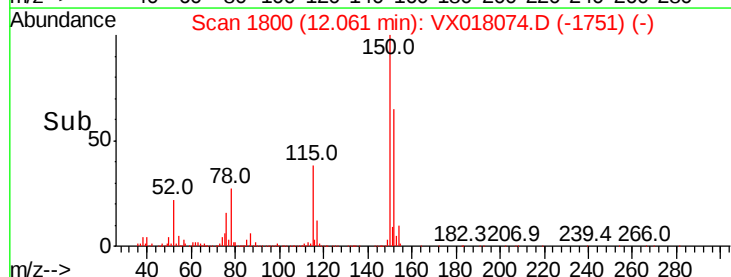
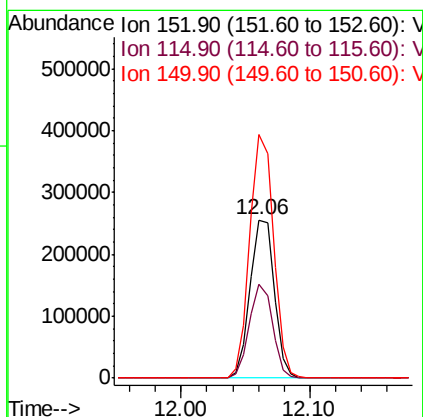
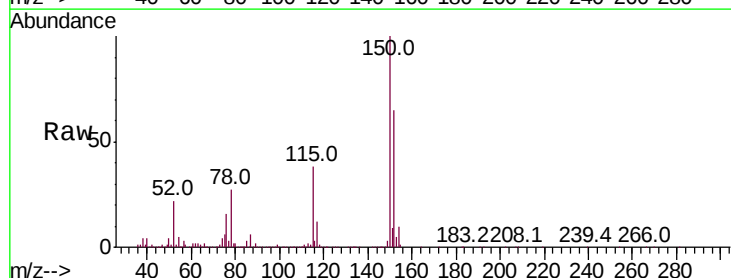
Instrument :
MSVOA_X
ClientSampleId :
PB131195ZHE#05

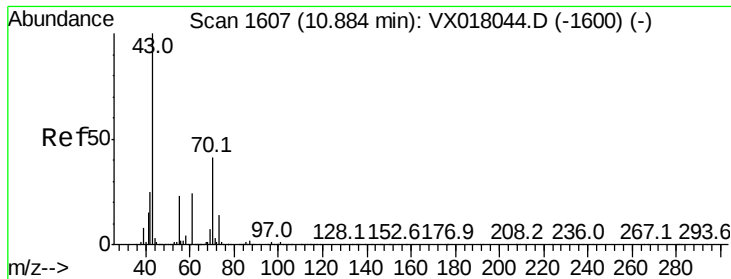
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.2	66.2
119	32.6	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018074.D
Acq: 26 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	41.5	124.5
150	151.4	0.0	343.8





#74

N-amvl acetate

Concen: 0.210 ug/l

RT: 10.86 min Scan# 1603

Delta R.T. -0.02 min

Lab File: VX018074.D

Acq: 26 Aug 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

PB131195ZHE#05

Tot Ion: 43 Resp: 2166

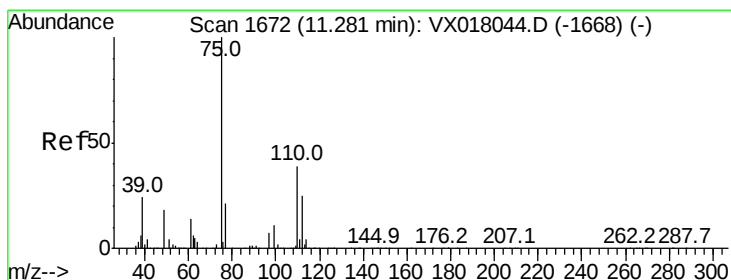
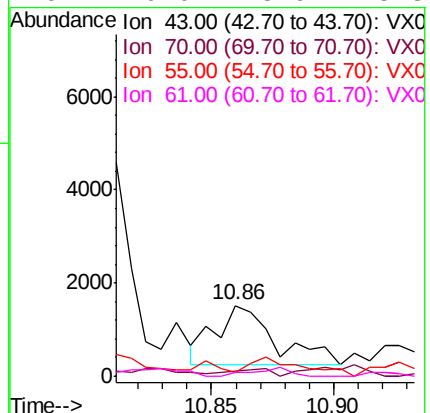
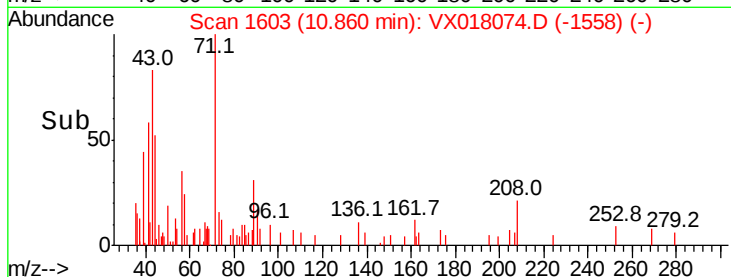
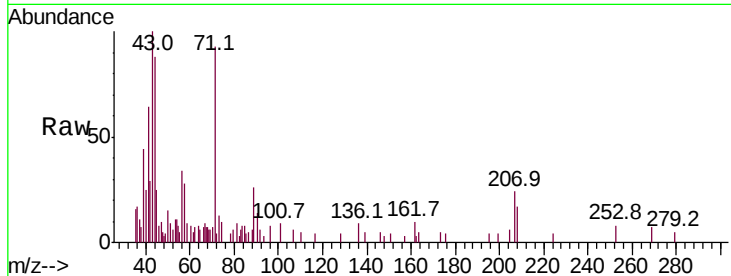
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 7.8 18.2 27.2#

61 0.0 18.9 28.3#



#76

1,2,3-Trichloropropane

Concen: 25.001 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018074.D

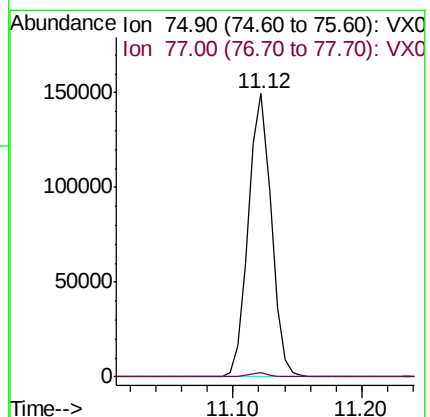
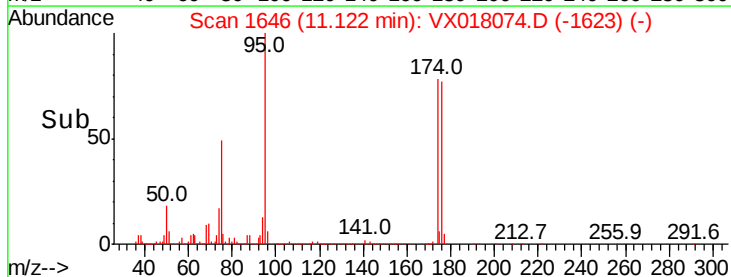
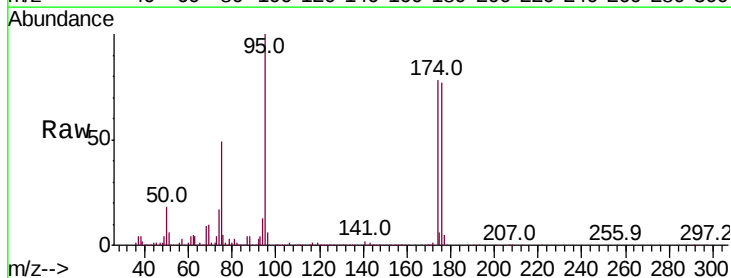
Acq: 26 Aug 2020 14:02

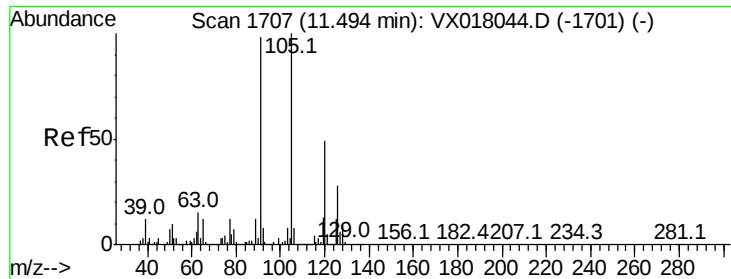
Tgt Ion: 75 Resp: 183145

Ion Ratio Lower Upper

75 100

77 1.6 20.8 62.2#

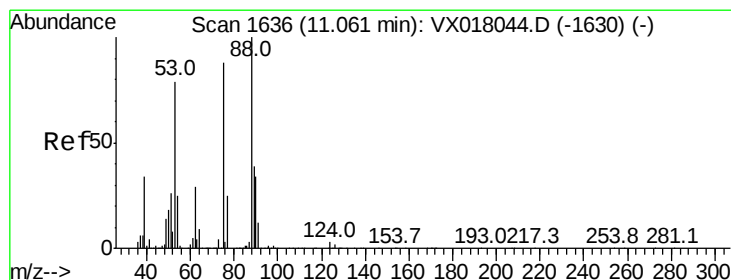
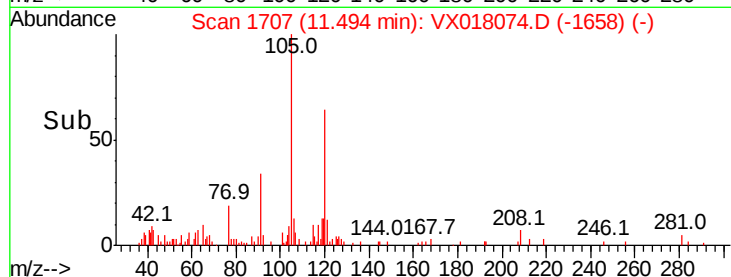
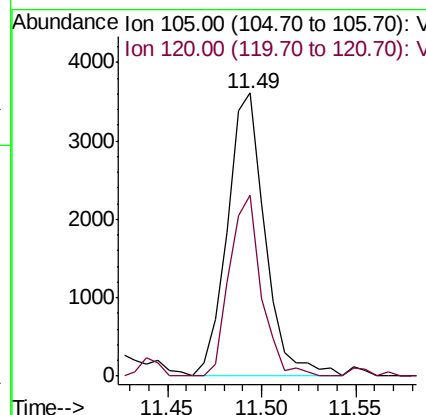
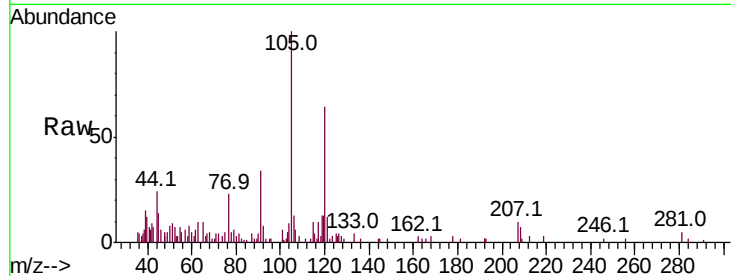




#80
 1,3,5-Trimethylbenzene
 Concen: 0.282 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX018074.D
 Acq: 26 Aug 2020 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131195ZHE#05

Tot Ion:105 Resp: 5027
 Ion Ratio Lower Upper
 105 100
 120 54.0 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.523 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018074.D
 Acq: 26 Aug 2020 14:02

Tgt Ion: 75 Resp: 183145
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.2 36.6 54.8#

