

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090920\
 Data File : VX018321.D
 Acq On : 09 Sep 2020 14:44
 Operator : JC/SP
 Sample : PB131488ZHE#10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131488ZHE#10

Quant Time: Sep 10 07:04:50 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	464706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	736824	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	728574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	359054	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	325087	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
35) Dibromofluoromethane	5.47	113	256865	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
50) Toluene-d8	8.70	98	921525	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.12	95	343164	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	

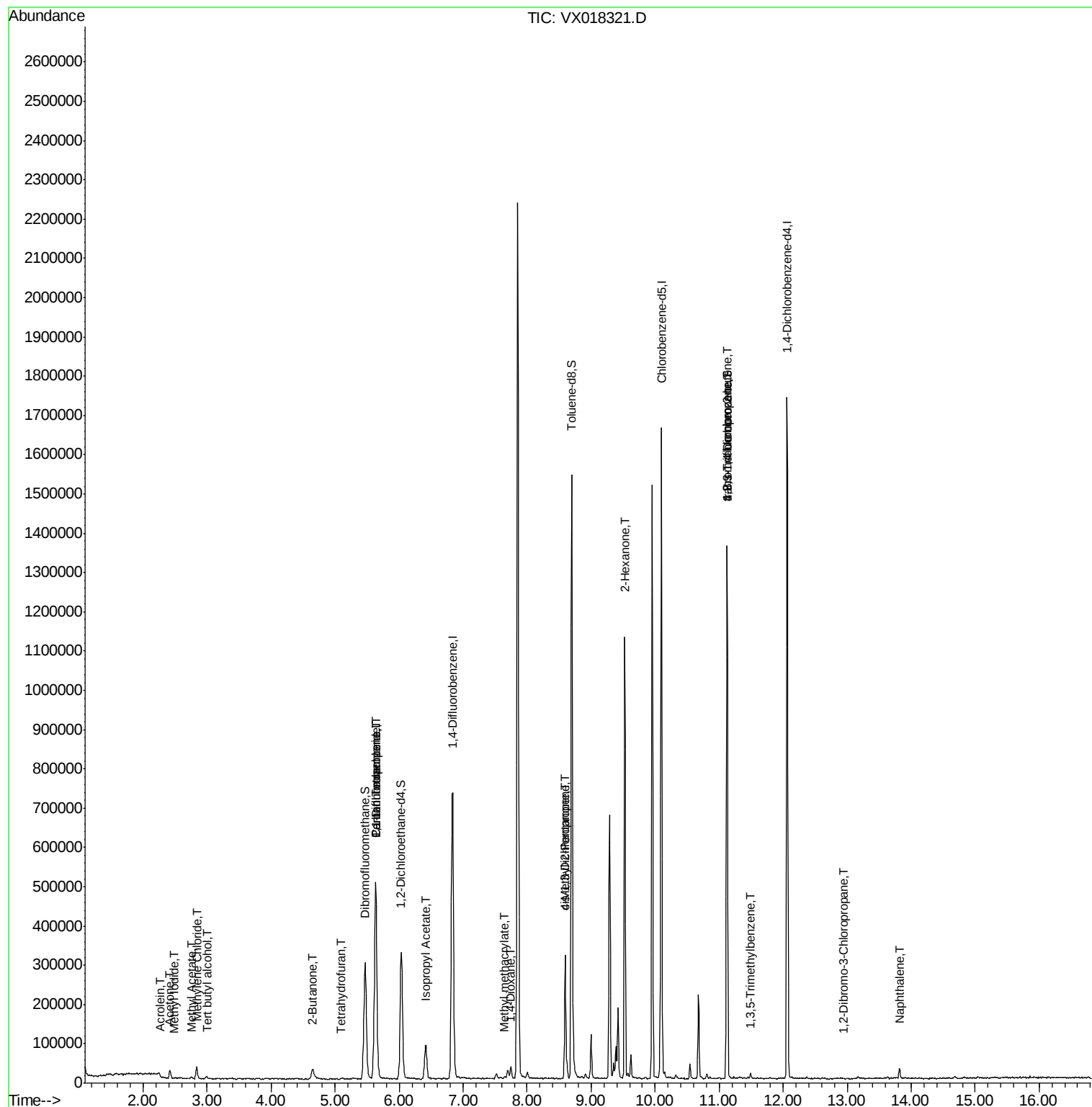
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	284	5.341	ug/l #	88
11) Tert butyl alcohol	3.00	59	2946	2.349	ug/l #	84
13) Acrolein	2.28	56	158	0.304	ug/l #	1
16) Acetone	2.42	43	22052	8.772	ug/l	96
18) Methyl Acetate	2.75	43	5550	0.915	ug/l	92
20) Methylene Chloride	2.84	84	13882	1.570	ug/l #	95
25) 2-Butanone	4.64	43	6135	1.485	ug/l #	69
29) Tetrahydrofuran	5.09	42	1267	0.482	ug/l #	79
36) 1,1-Dichloropropene	5.63	75	35666	5.248	ug/l #	51
38) Carbon Tetrachloride	5.63	117	46207	6.033	ug/l #	16
43) Isopropyl Acetate	6.42	43	123903	9.719	ug/l	97
48) Methyl methacrylate	7.65	41	6627	1.044	ug/l #	17
49) 1,4-Dioxane	7.74	88	57	0.496	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	115280	14.638	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	48519	5.468	ug/l #	66
59) 2-Hexanone	9.52	43	126997	21.208	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	178843	22.391	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	6135	0.315	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	178843	60.474	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.94	75	509	0.244	ug/l #	10
95) Naphthalene	13.82	128	16392	0.690	ug/l	100

(#) = 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: VX018321.D

Acq: 09 Sep 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

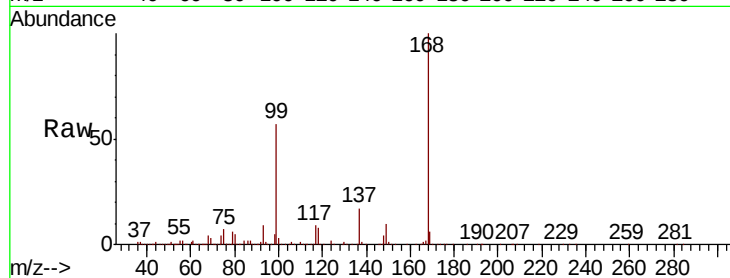
PB131488ZHE#10

Tot Ion:168 Resp: 464706

Ion Ratio Lower Upper

168 100

99 57.1 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

200000

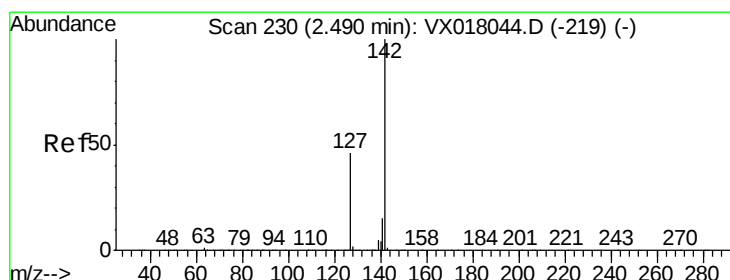
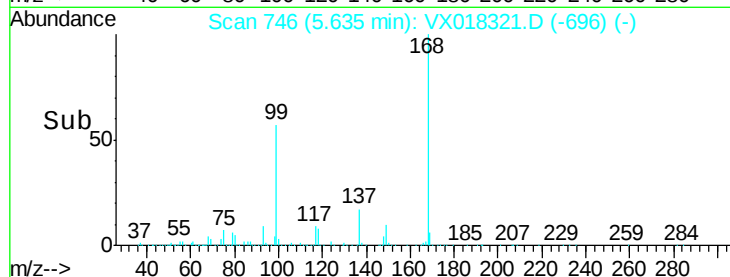
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.341 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018321.D

Acq: 09 Sep 2020 14:44

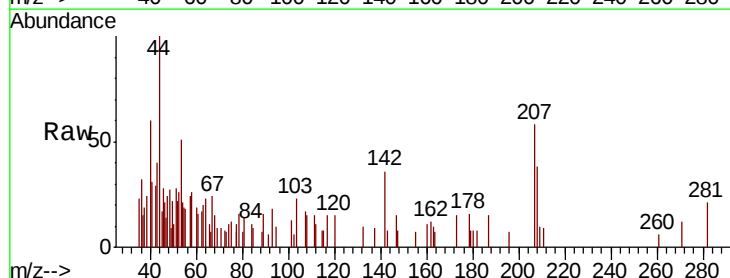
Tgt Ion:142 Resp: 284

Ion Ratio Lower Upper

142 100

127 43.0 37.0 55.6

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.50

400

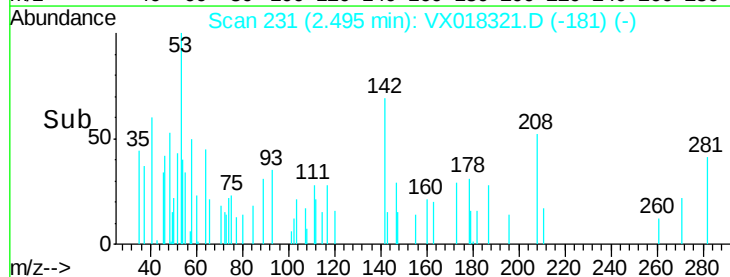
300

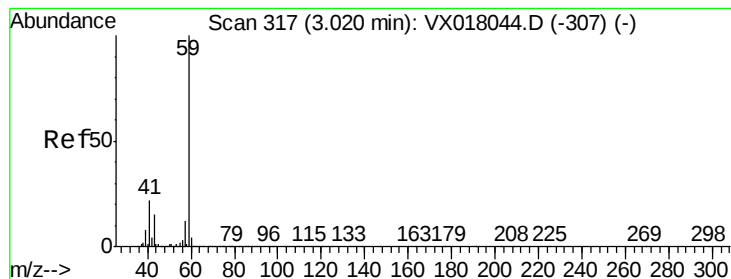
200

100

0

Time-->



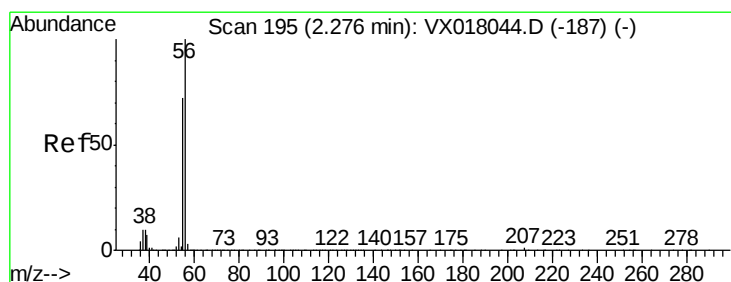
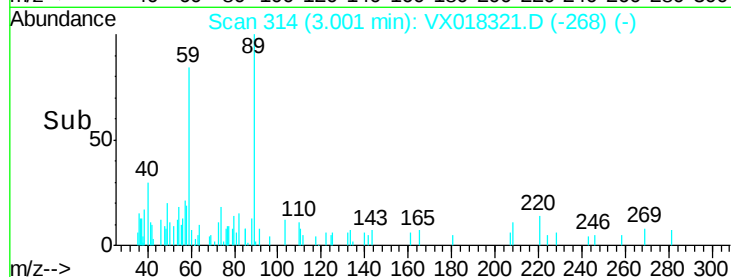
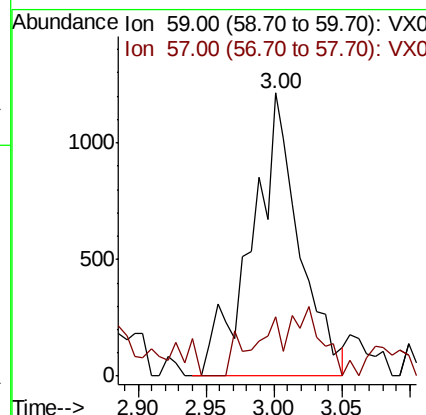
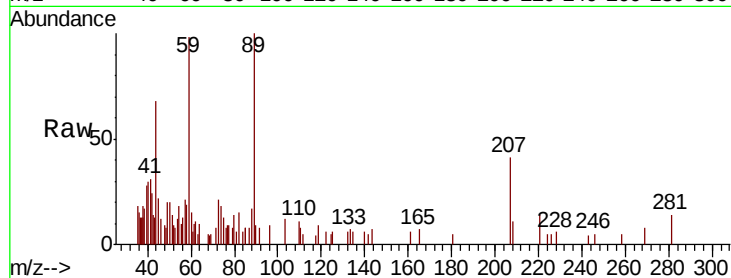


#11

Tert butyl alcohol
Concen: 2.349 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018321.D
Acq: 09 Sep 2020 14:44

Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#10

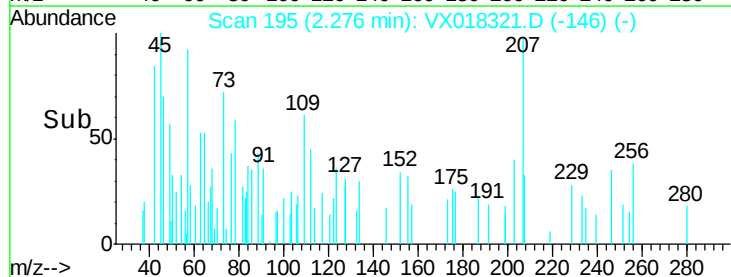
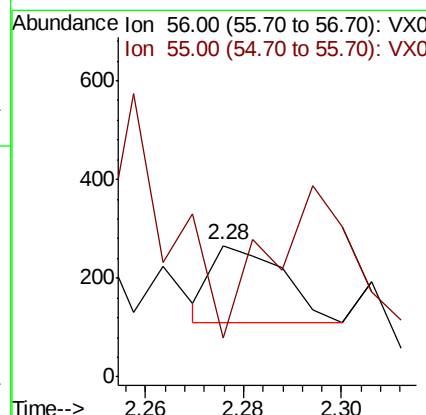
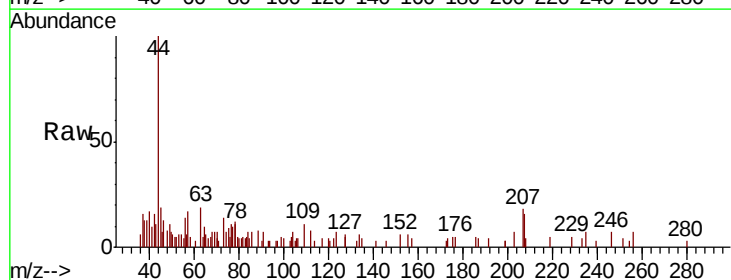
Tot Ion: 59 Resp: 2946
Ion Ratio Lower Upper
59 100
57 5.0 8.9 13.3#

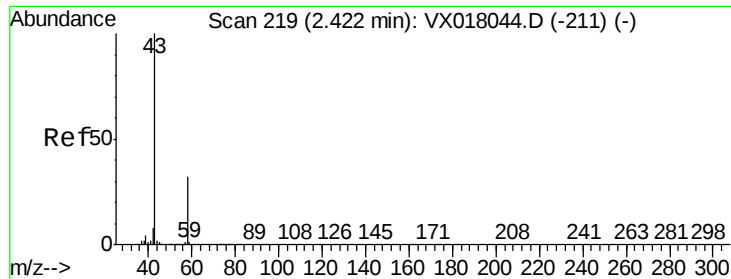


#13

Acrolein
Concen: 0.304 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018321.D
Acq: 09 Sep 2020 14:44

Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 232.9 57.0 85.6#

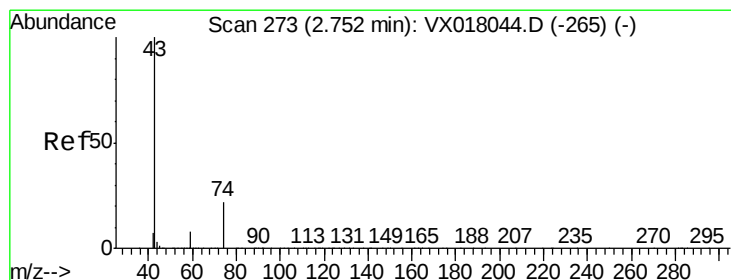
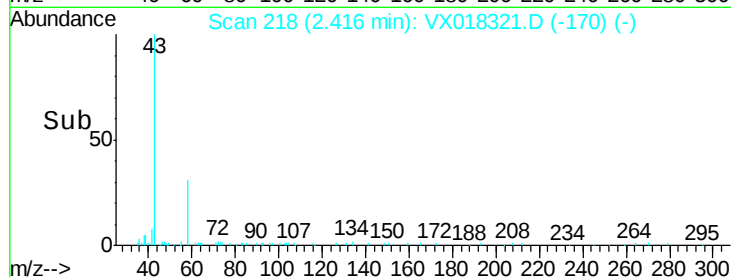
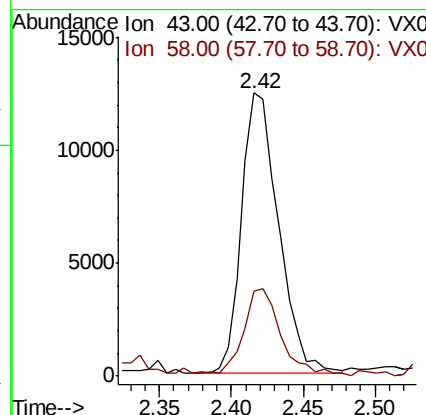
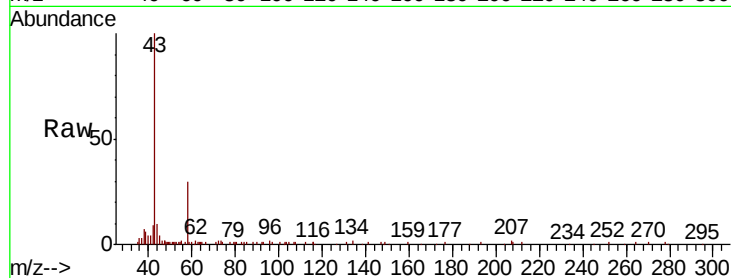




#16
Acetone
Concen: 8.772 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018321.D
Acq: 09 Sep 2020 14:44

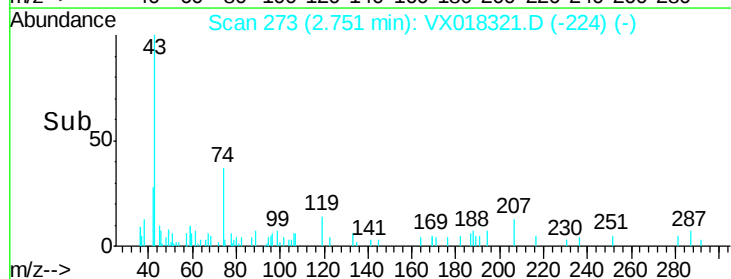
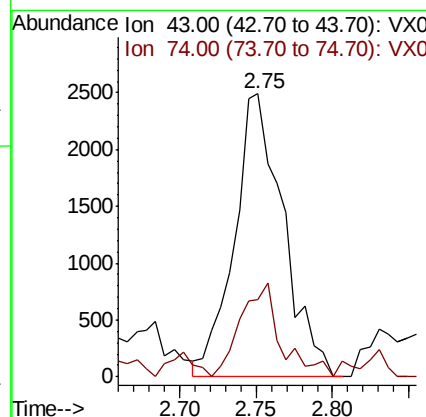
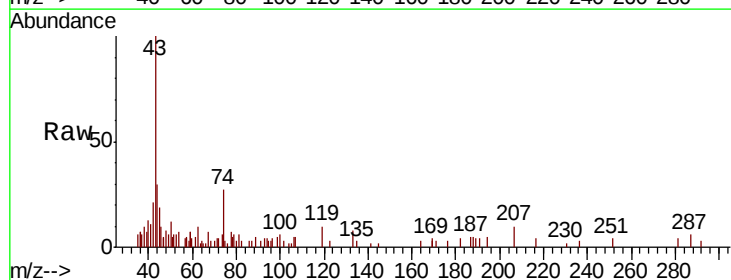
Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#10

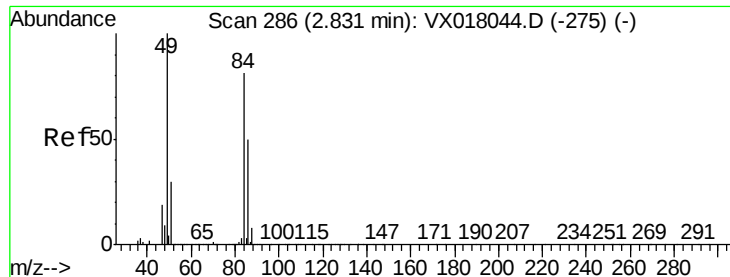
Tot Ion: 43 Resp: 22052
Ion Ratio Lower Upper
43 100
58 29.5 25.5 38.3



#18
Methyl Acetate
Concen: 0.915 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018321.D
Acq: 09 Sep 2020 14:44

Tgt Ion: 43 Resp: 5550
Ion Ratio Lower Upper
43 100
74 26.8 18.2 27.4

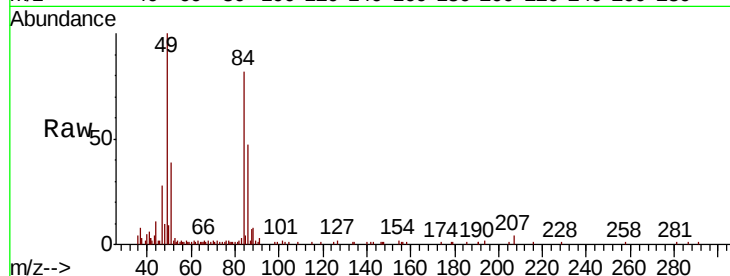




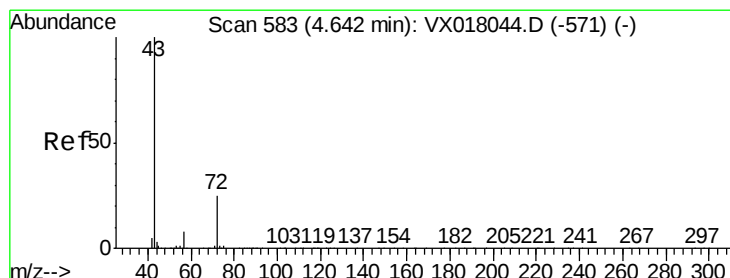
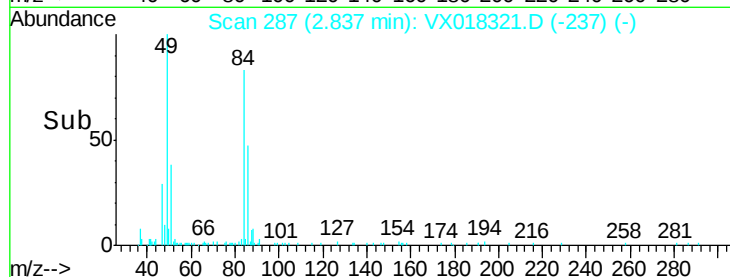
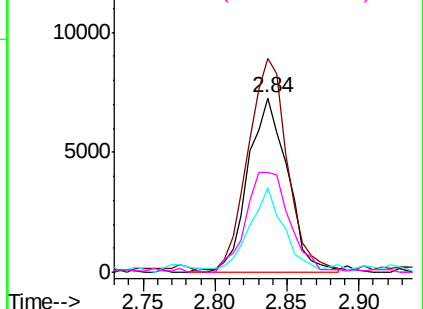
#20
Methvlene Chloride
Concen: 1.570 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018321.D
Acq: 09 Sep 2020 14:44

Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#10

Tot Ion: 84 Resp: 13882
Ion Ratio Lower Upper
84 100
49 122.0 98.6 148.0
51 46.1 29.6 44.4#
86 58.2 49.8 74.6

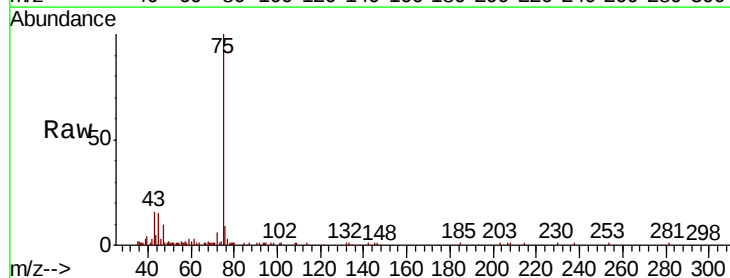


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

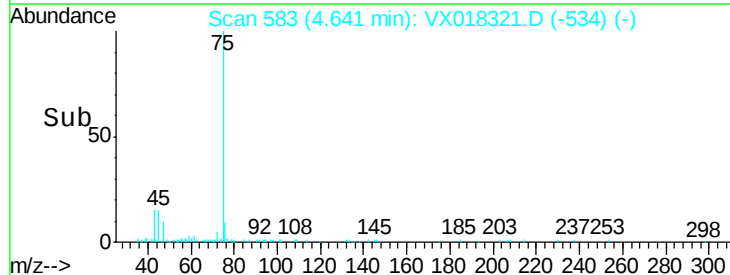
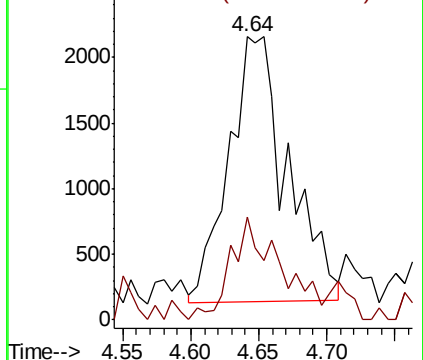


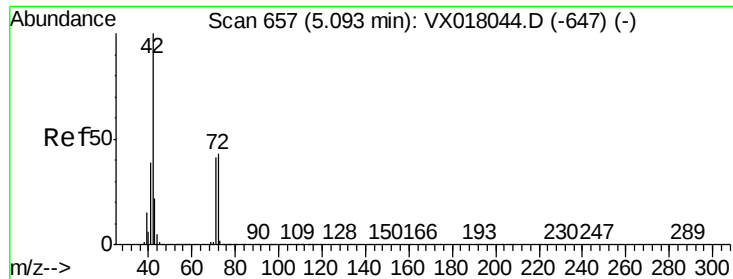
#25
2-Butanone
Concen: 1.485 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018321.D
Acq: 09 Sep 2020 14:44

Tgt Ion: 43 Resp: 6135
Ion Ratio Lower Upper
43 100
72 40.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

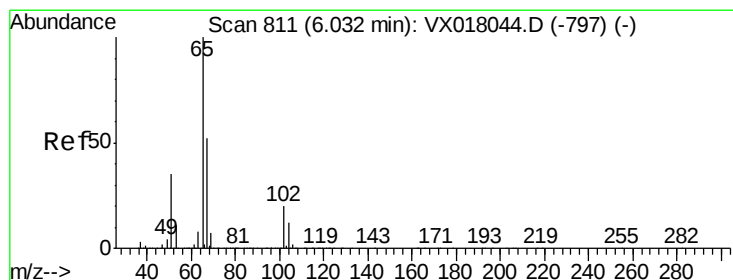
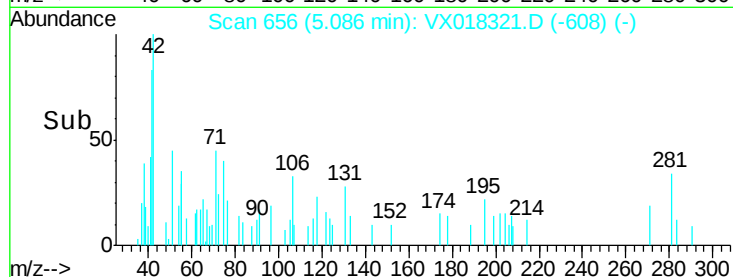
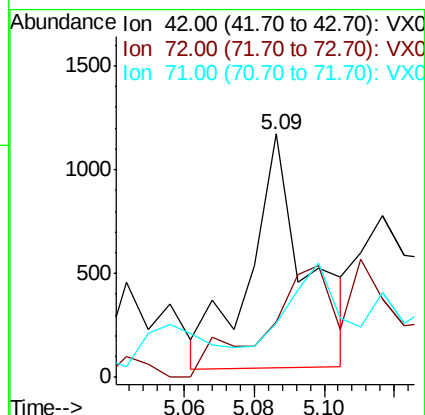
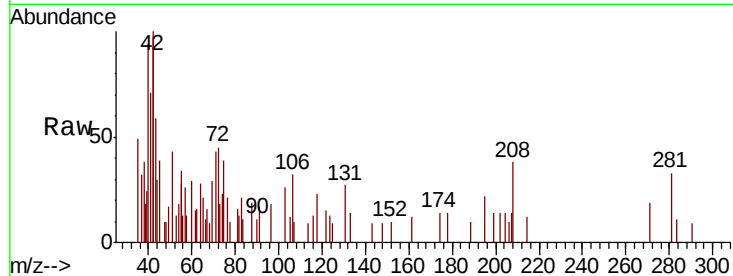




#29
Tetrahydrofuran
Concen: 0.482 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX018321.D
Acq: 09 Sep 2020 14:44

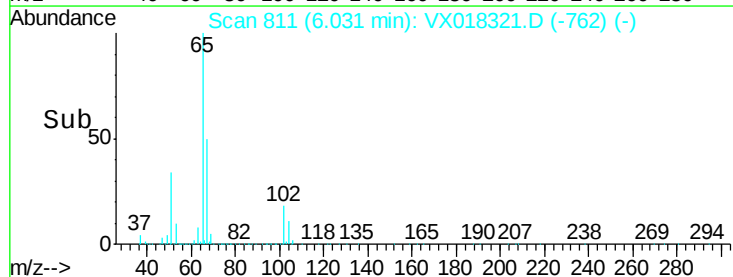
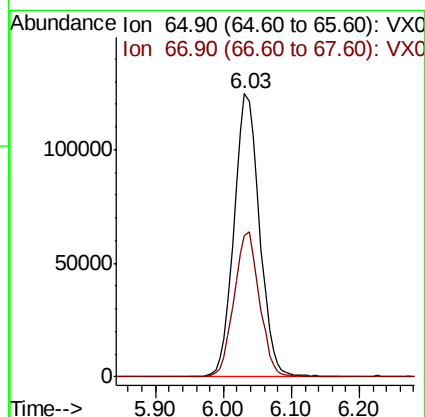
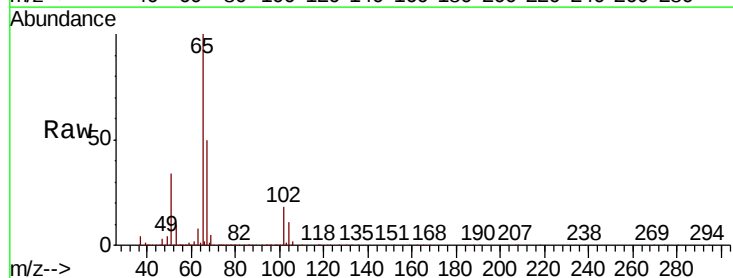
Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#10

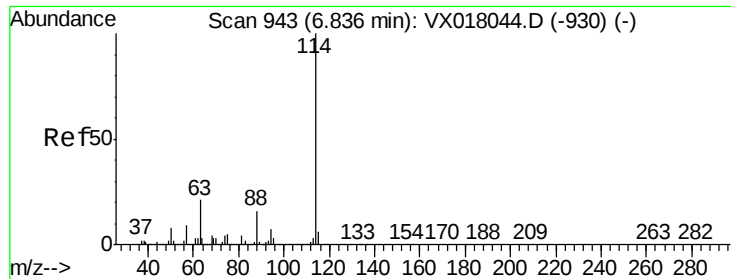
Tot Ion: 42 Resp: 1267
Ion Ratio Lower Upper
42 100
72 58.8 34.2 51.4#
71 30.2 32.1 48.1#



#33
1,2-Dichloroethane-d4
Concen: 50.391 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018321.D
Acq: 09 Sep 2020 14:44

Tgt Ion: 65 Resp: 325087
Ion Ratio Lower Upper
65 100
67 50.9 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: VX018321.D

Acq: 09 Sep 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#10

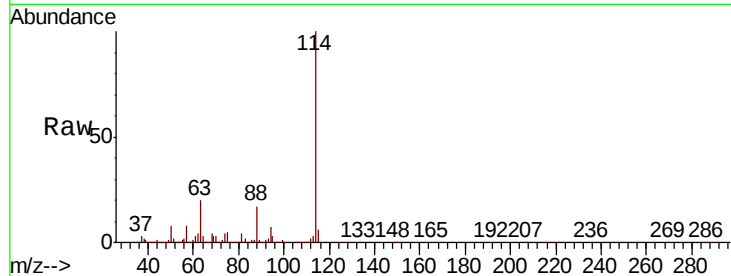
Tot Ion:114 Resp: 736824

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

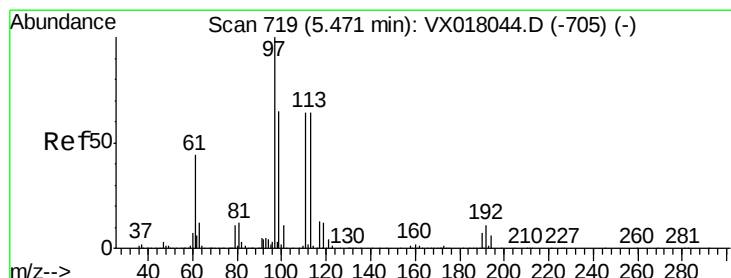
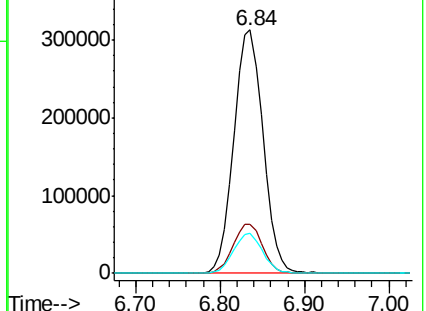
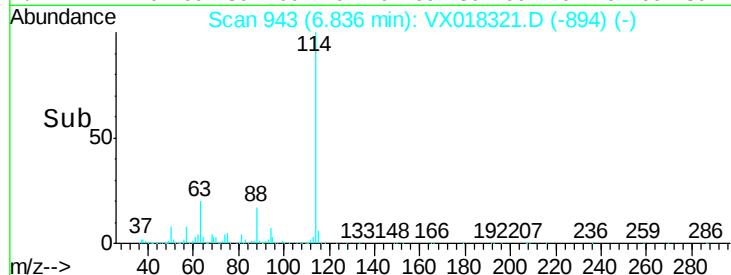
88 16.6 0.0 31.8



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: 51.187 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018321.D

Acq: 09 Sep 2020 14:44

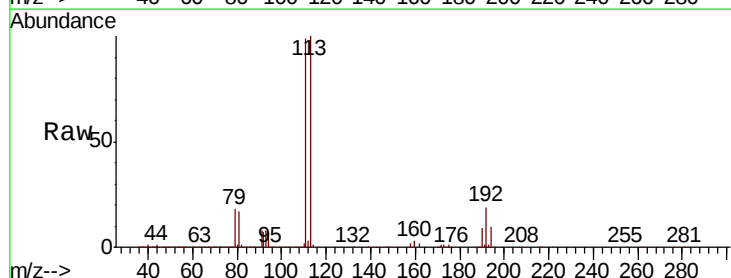
Tgt Ion:113 Resp: 256865

Ion Ratio Lower Upper

113 100

111 101.2 81.6 122.4

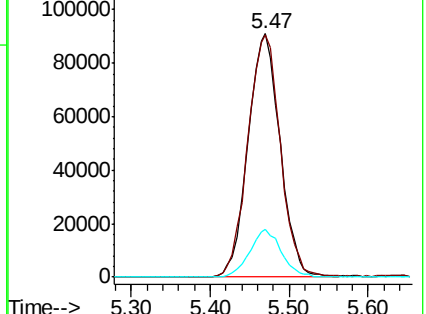
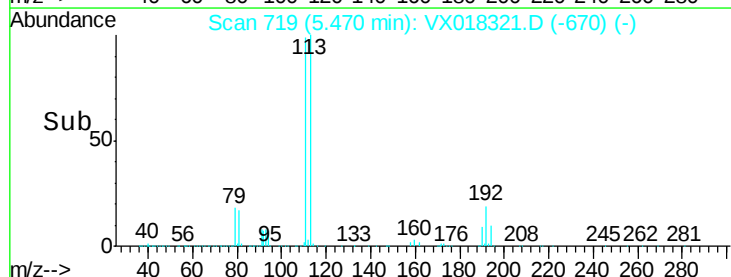
192 19.5 15.8 23.8

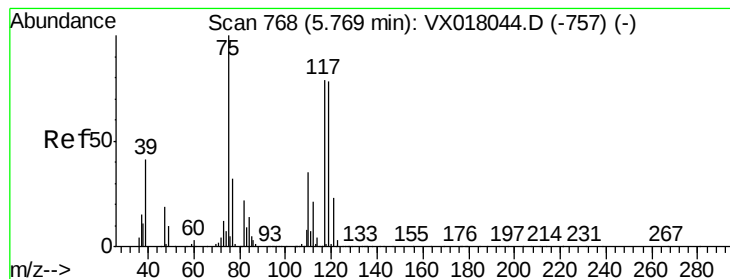


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.248 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018321.D

Acq: 09 Sep 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#10

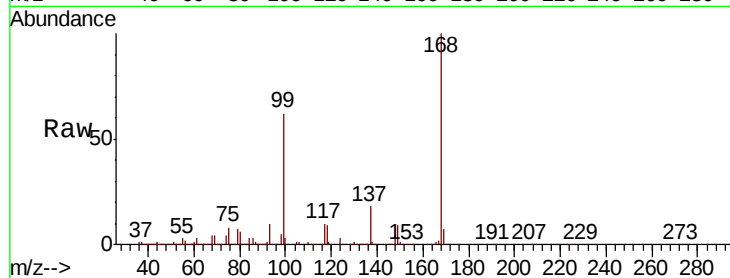
Tot Ion: 75 Resp: 35666

Ion Ratio Lower Upper

75 100

110 9.9 18.0 54.0#

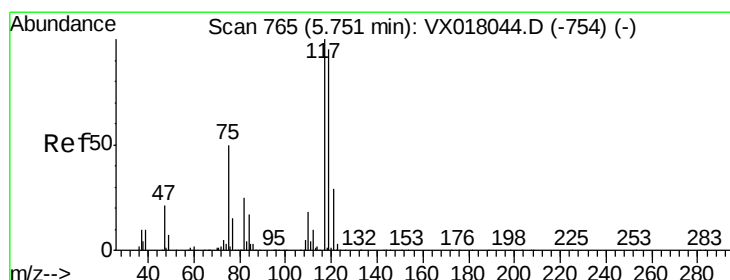
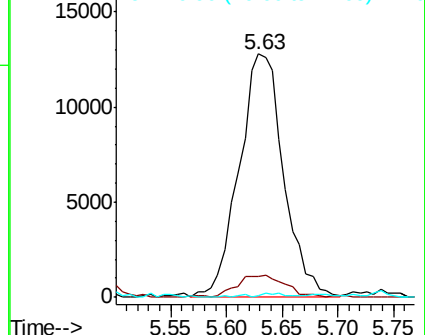
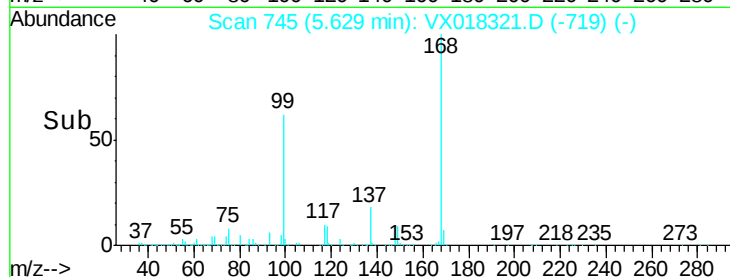
77 0.4 24.4 36.6#



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: 6.033 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018321.D

Acq: 09 Sep 2020 14:44

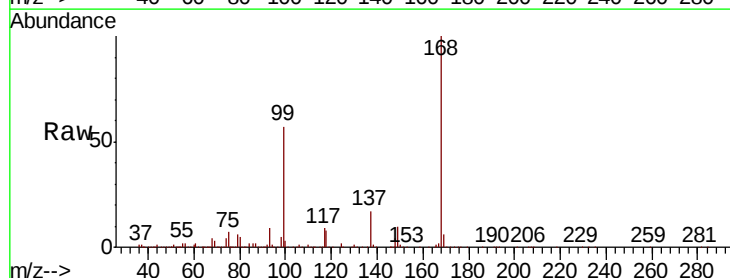
Tgt Ion: 117 Resp: 46207

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.6#

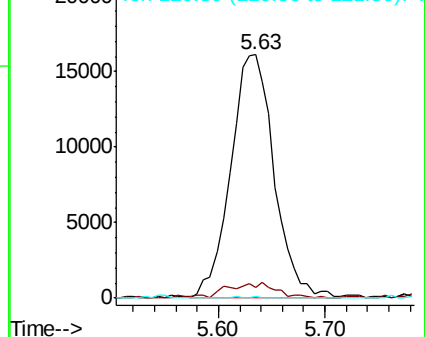
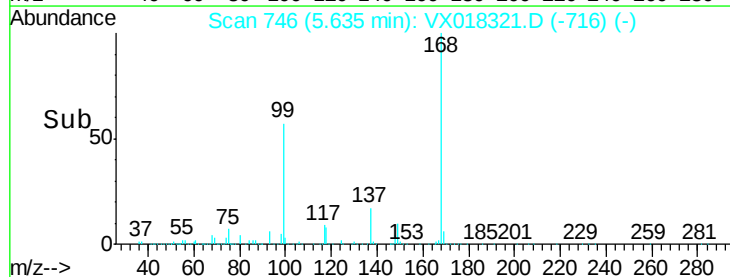
121 0.8 23.4 35.0#

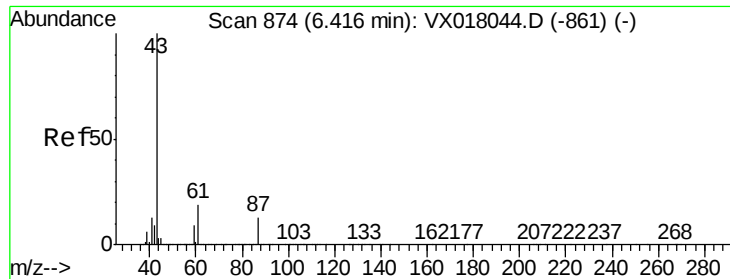


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 9.719 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018321.D

Acq: 09 Sep 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#10

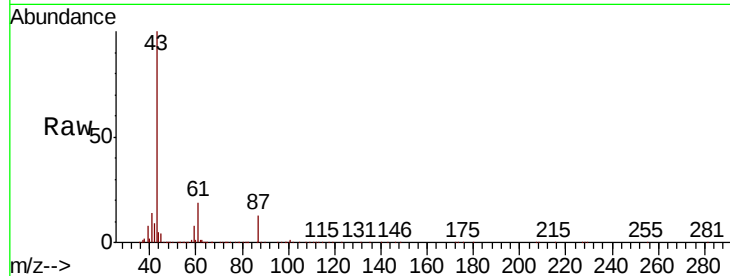
Tot Ion: 43 Resp: 123903

Ion Ratio Lower Upper

43 100

61 18.1 15.7 23.5

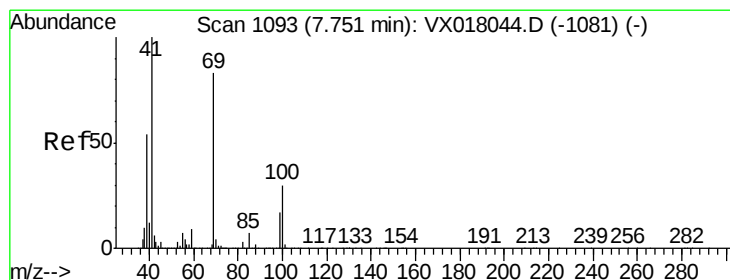
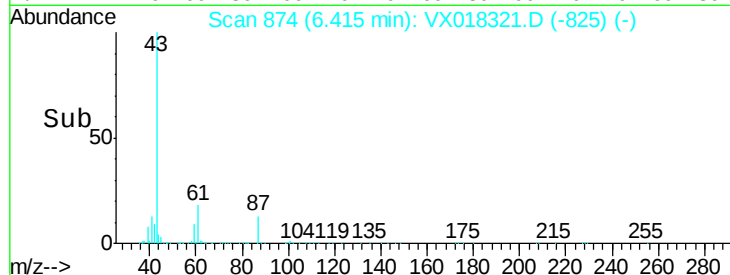
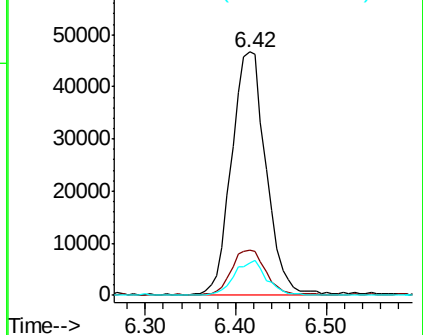
87 13.6 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 1.044 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.10 min

Lab File: VX018321.D

Acq: 09 Sep 2020 14:44

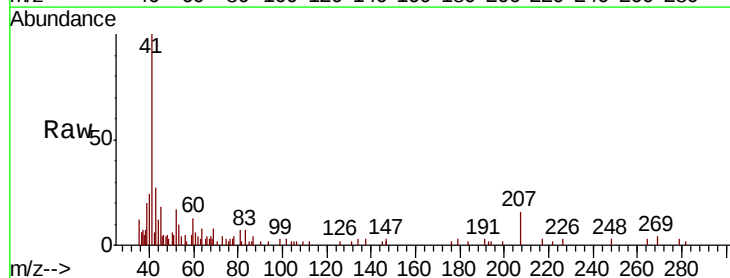
Tgt Ion: 41 Resp: 6627

Ion Ratio Lower Upper

41 100

69 3.2 65.5 98.3#

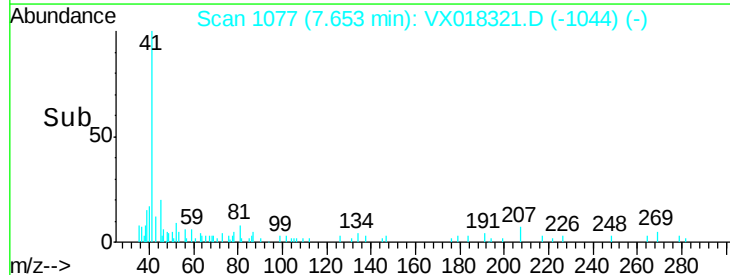
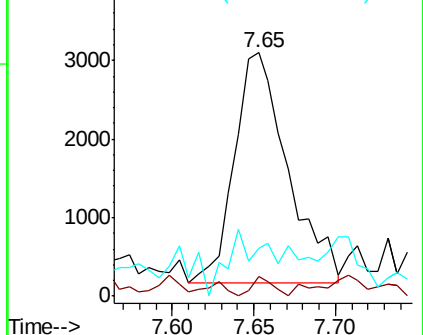
39 0.0 44.5 66.7#

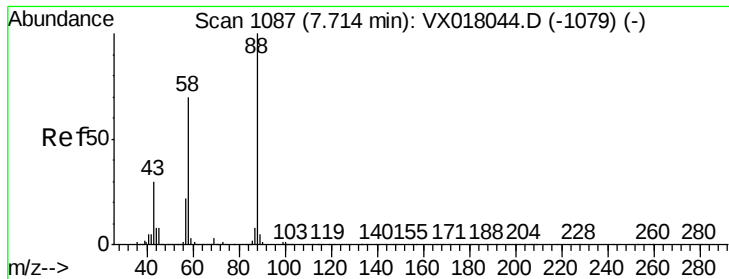


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.496 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX018321.D

Acq: 09 Sep 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#10

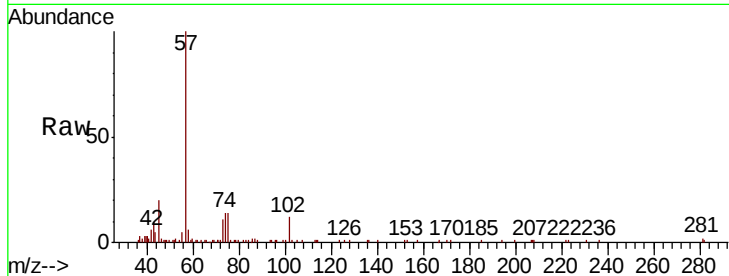
Tot Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

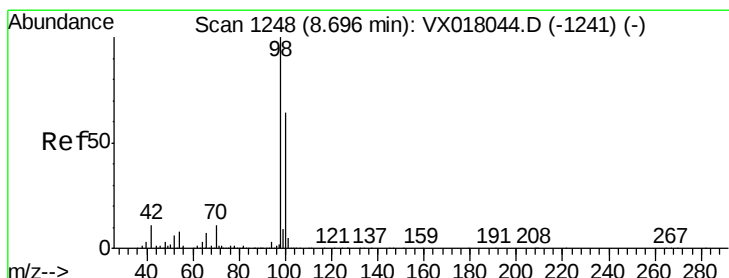
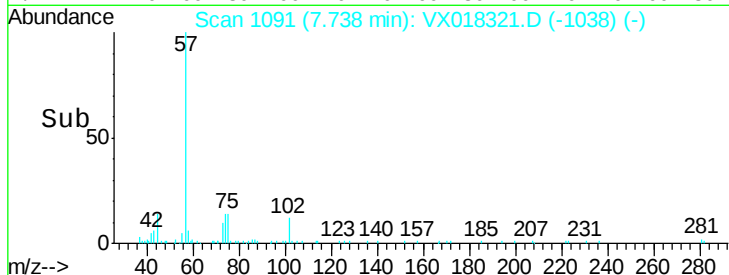
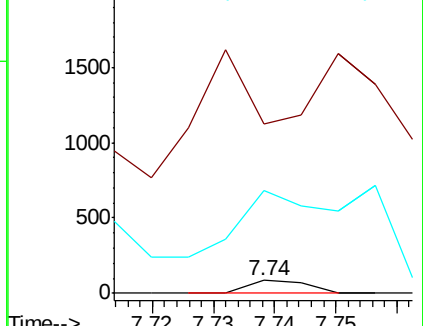
58 0.0 56.4 84.6#



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: 49.305 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018321.D

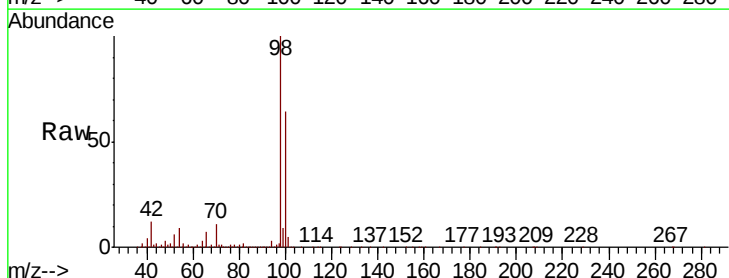
Acq: 09 Sep 2020 14:44

Tgt Ion: 98 Resp: 921525

Ion Ratio Lower Upper

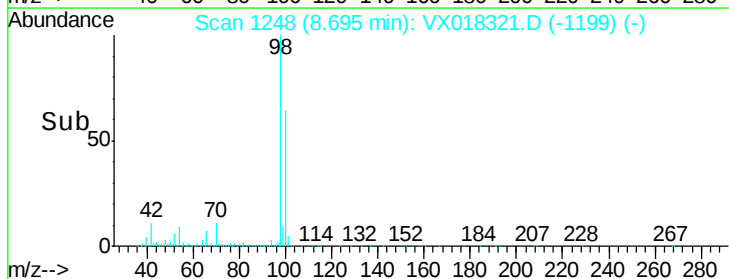
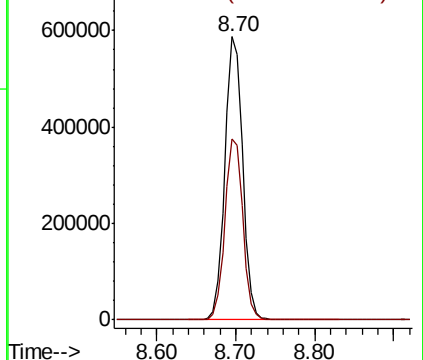
98 100

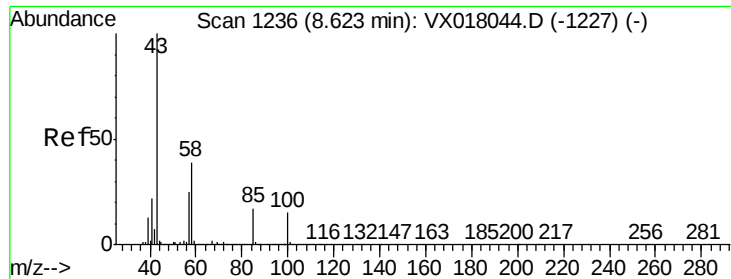
100 64.2 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

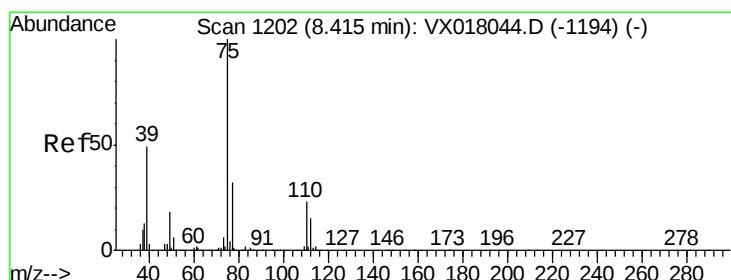
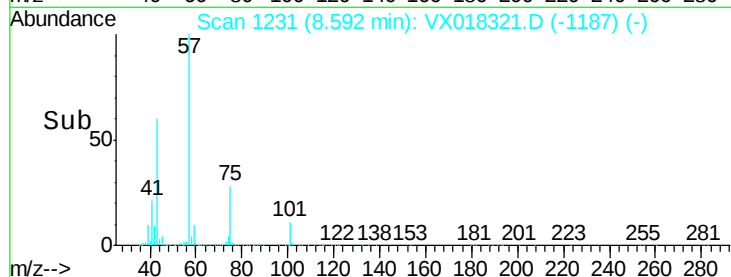
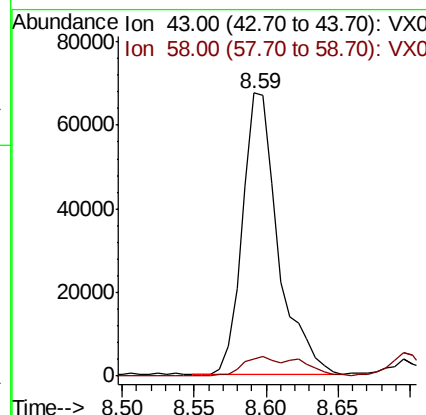
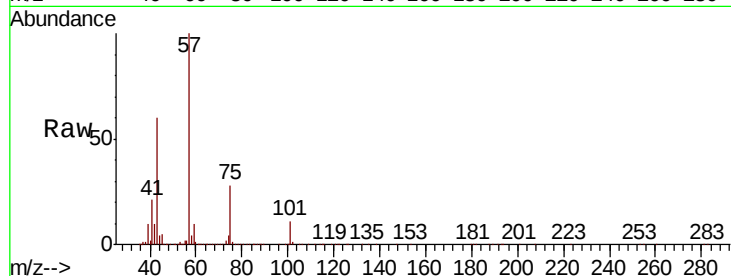




#51
 4-Methyl-2-Pentanone
 Concen: 14.638 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: VX018321.D
 Acq: 09 Sep 2020 14:44

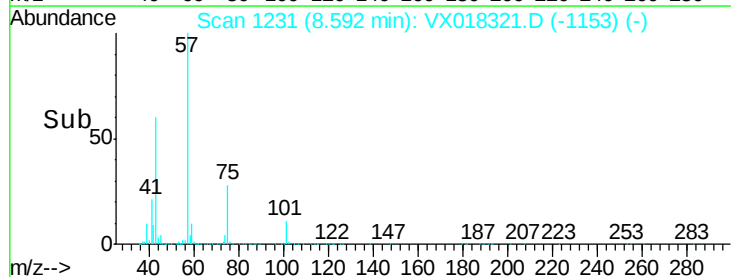
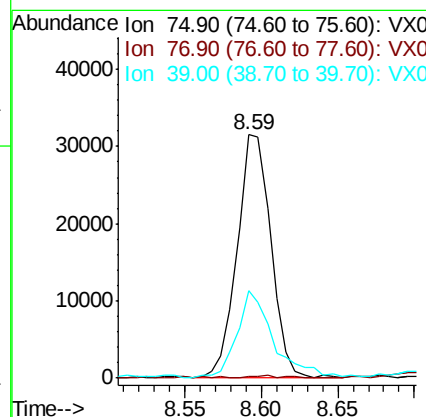
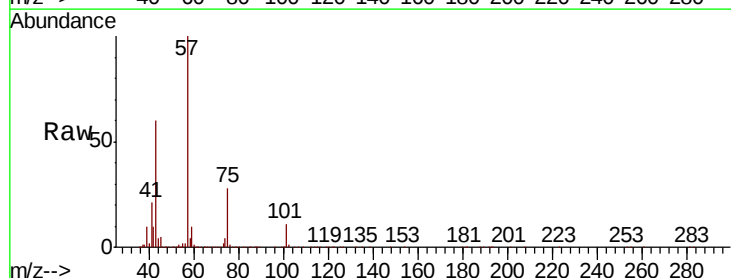
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131488ZHE#10

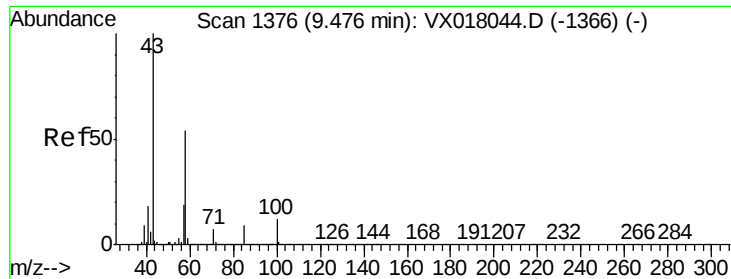
Tot Ion: 43 Resp: 115280
 Ion Ratio Lower Upper
 43 100
 58 6.9 30.7 46.1#



#54
 cis-1,3-Dichloropropene
 Concen: 5.468 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX018321.D
 Acq: 09 Sep 2020 14:44

Tgt Ion: 75 Resp: 48519
 Ion Ratio Lower Upper
 75 100
 77 0.1 25.8 38.8#
 39 35.7 38.8 58.2#

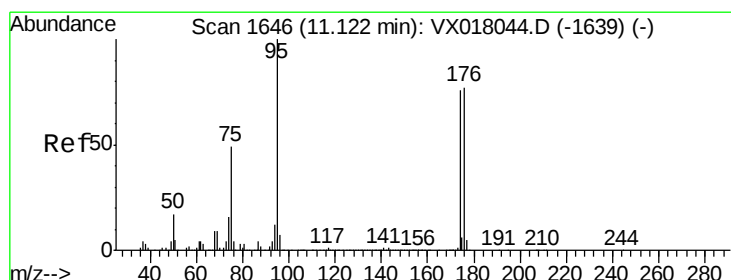
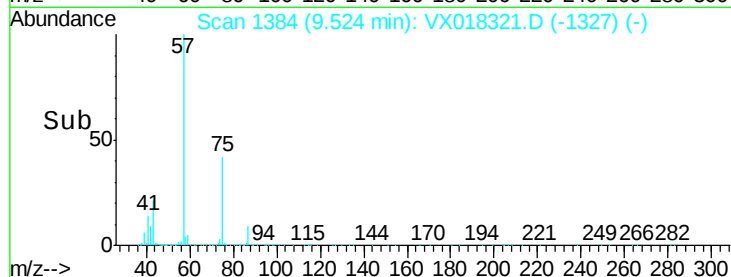
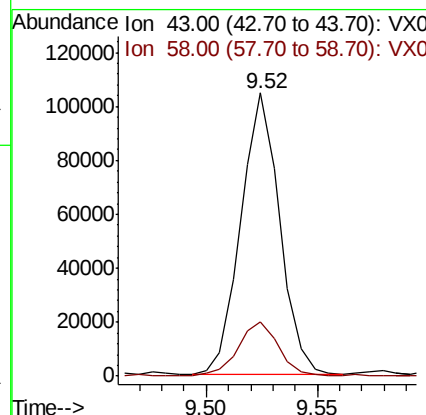
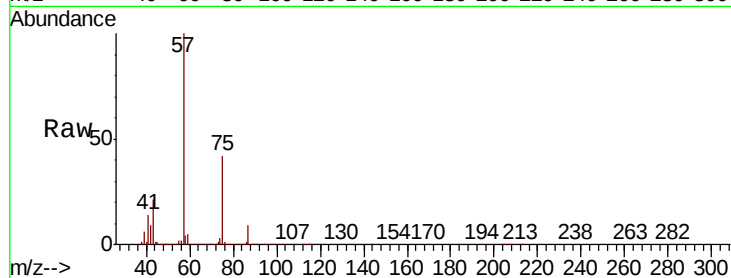




#59
2-Hexanone
Concen: 21.208 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX018321.D
Acq: 09 Sep 2020 14:44

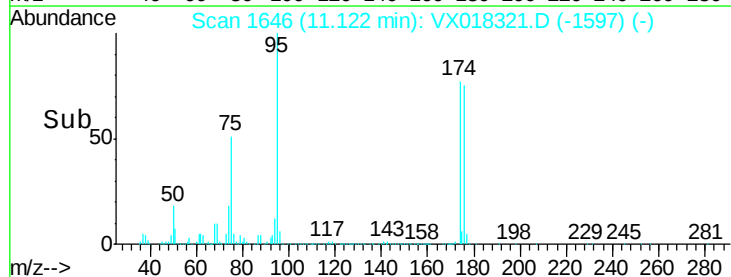
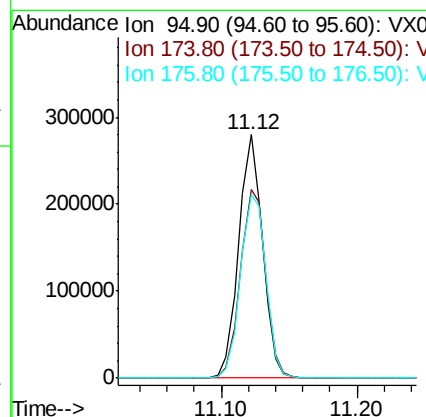
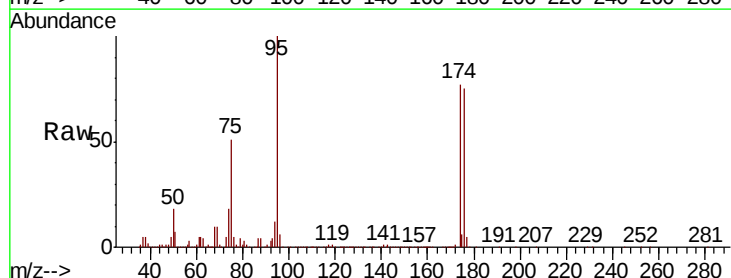
Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#10

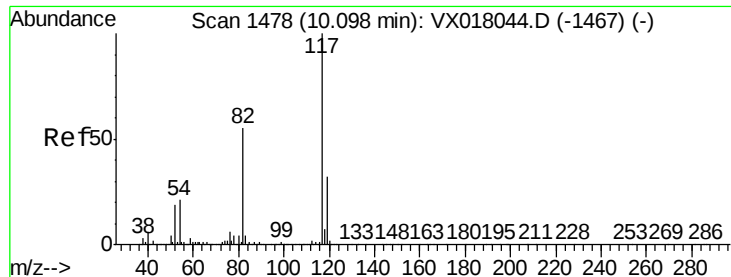
Tot Ion: 43 Resp: 126997
Ion Ratio Lower Upper
43 100
58 19.7 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 46.667 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018321.D
Acq: 09 Sep 2020 14:44

Tgt Ion: 95 Resp: 343164
Ion Ratio Lower Upper
95 100
174 81.3 0.0 160.2
176 79.9 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: VX018321.D

Acq: 09 Sep 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#10

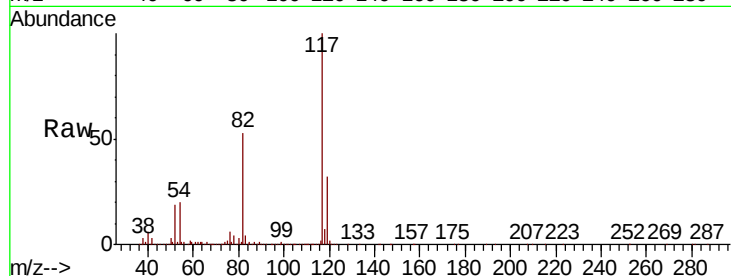
Tot Ion:117 Resp: 728574

Ion Ratio Lower Upper

117 100

82 53.2 44.2 66.2

119 31.8 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

600000

400000

200000

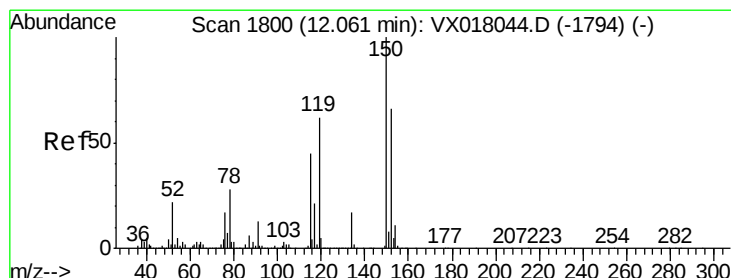
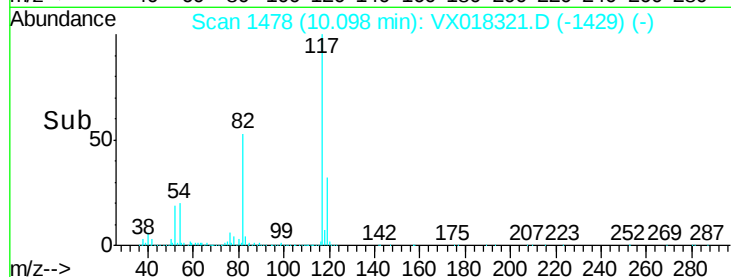
0

10.10

10.00

10.20

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018321.D

Acq: 09 Sep 2020 14:44

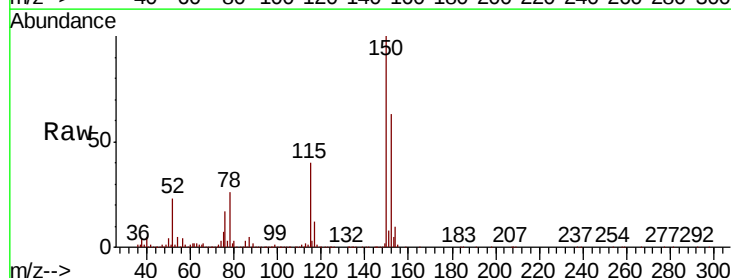
Tgt Ion:152 Resp: 359054

Ion Ratio Lower Upper

152 100

115 60.0 41.5 124.5

150 156.4 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

600000

500000

400000

300000

200000

100000

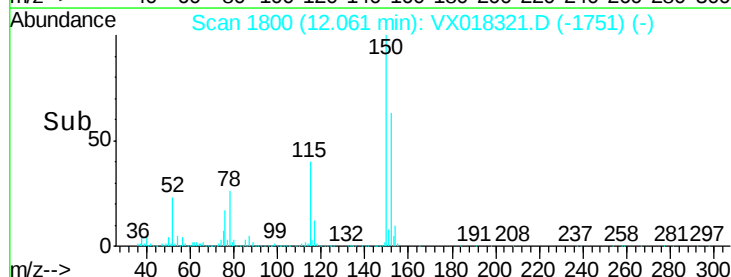
0

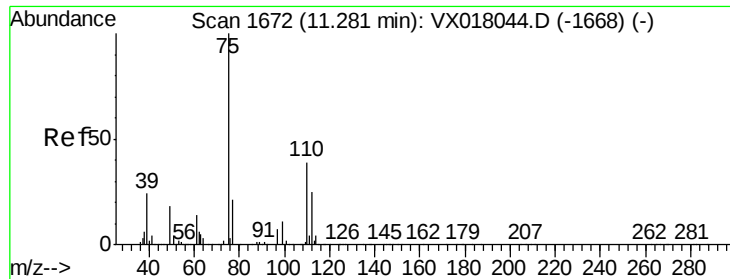
12.06

12.00

12.10

Time-->





#76

1,2,3-Trichloropropane

Concen: 22.391 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018321.D

Acq: 09 Sep 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

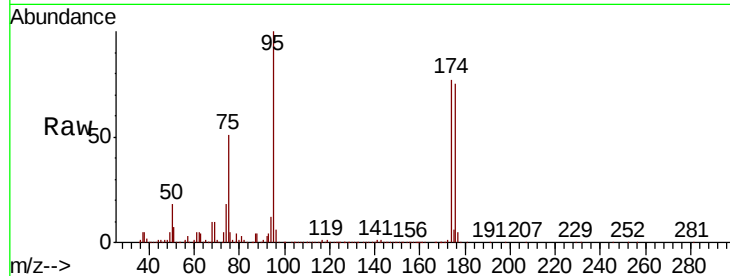
PB131488ZHE#10

Tot Ion: 75 Resp: 178843

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

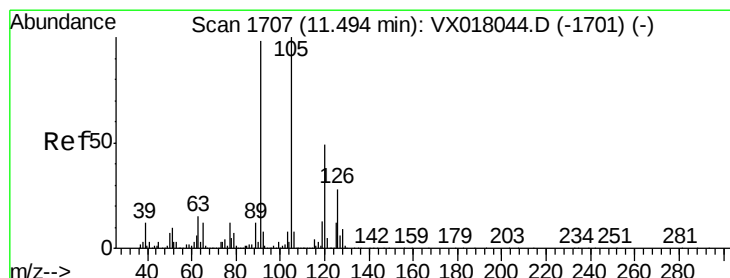
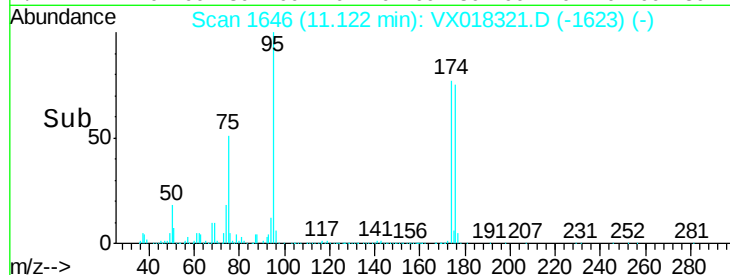
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.315 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018321.D

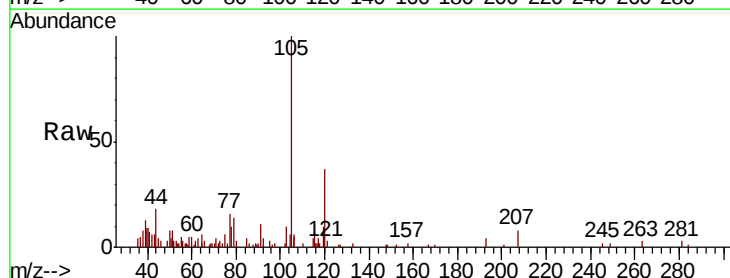
Acq: 09 Sep 2020 14:44

Tgt Ion:105 Resp: 6135

Ion Ratio Lower Upper

105 100

120 44.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

6000

5000

4000

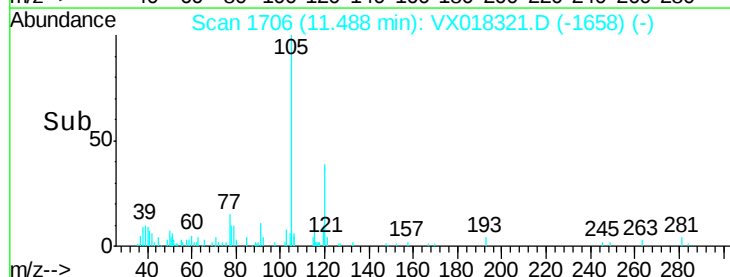
3000

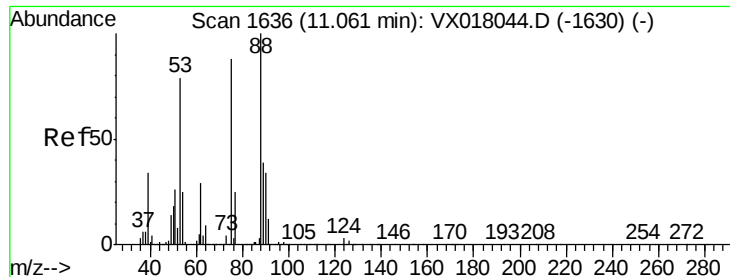
2000

1000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 60.474 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018321.D

Acq: 09 Sep 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#10

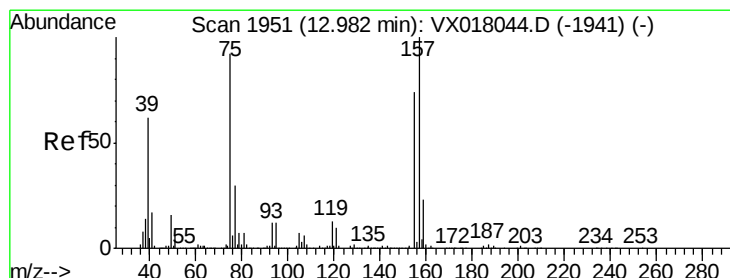
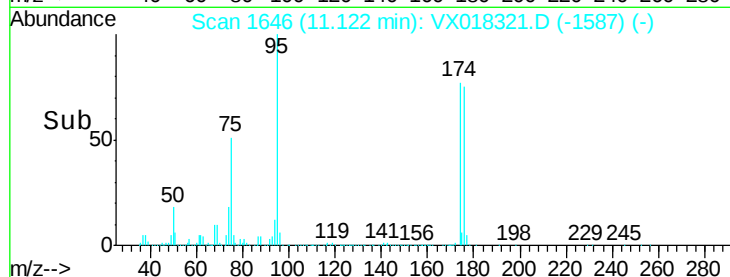
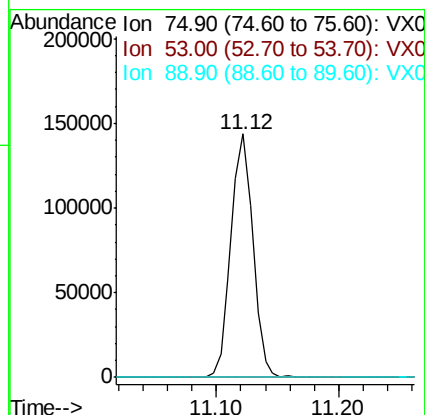
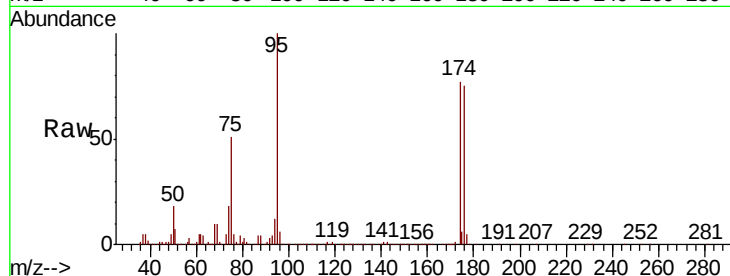
Tot Ion: 75 Resp: 178843

Ion Ratio Lower Upper

75 100

53 0.5 74.7 112.1#

89 0.0 36.6 54.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.244 ug/l

RT: 12.94 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VX018321.D

Acq: 09 Sep 2020 14:44

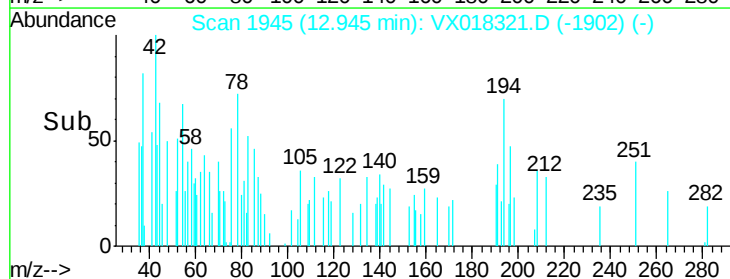
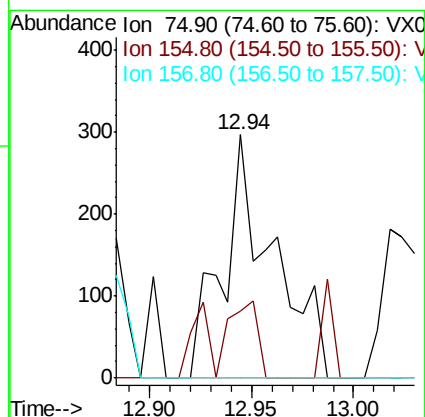
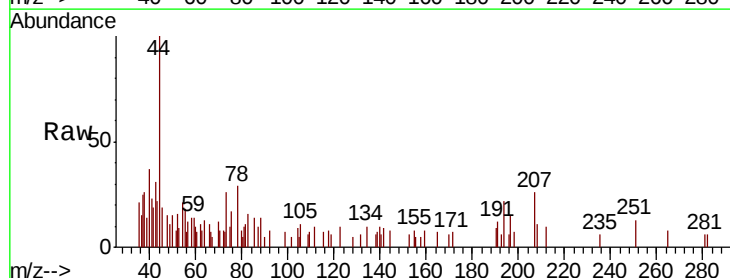
Tgt Ion: 75 Resp: 509

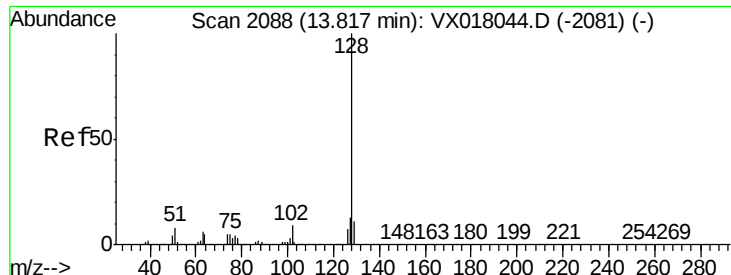
Ion Ratio Lower Upper

75 100

155 17.9 40.2 120.6#

157 0.0 55.0 165.2#





#95

Naphthalene

Concen: 0.690 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018321.D

Acq: 09 Sep 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#10

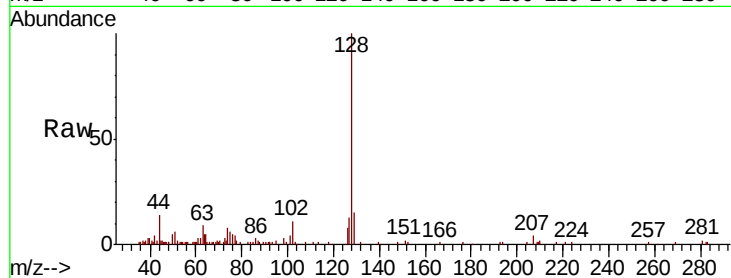
Tot Ion:128 Resp: 16392

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

