

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX083120\
 Data File : VX018170.D
 Acq On : 01 Sep 2020 01:01
 Operator : JC/SP
 Sample : L3508-28
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-08-082820

Quant Time: Sep 01 05:43:57 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	445537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	738481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	701308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	343877	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	318589	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
35) Dibromofluoromethane	5.47	113	253753	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	8.70	98	906044	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	11.12	95	338451	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	

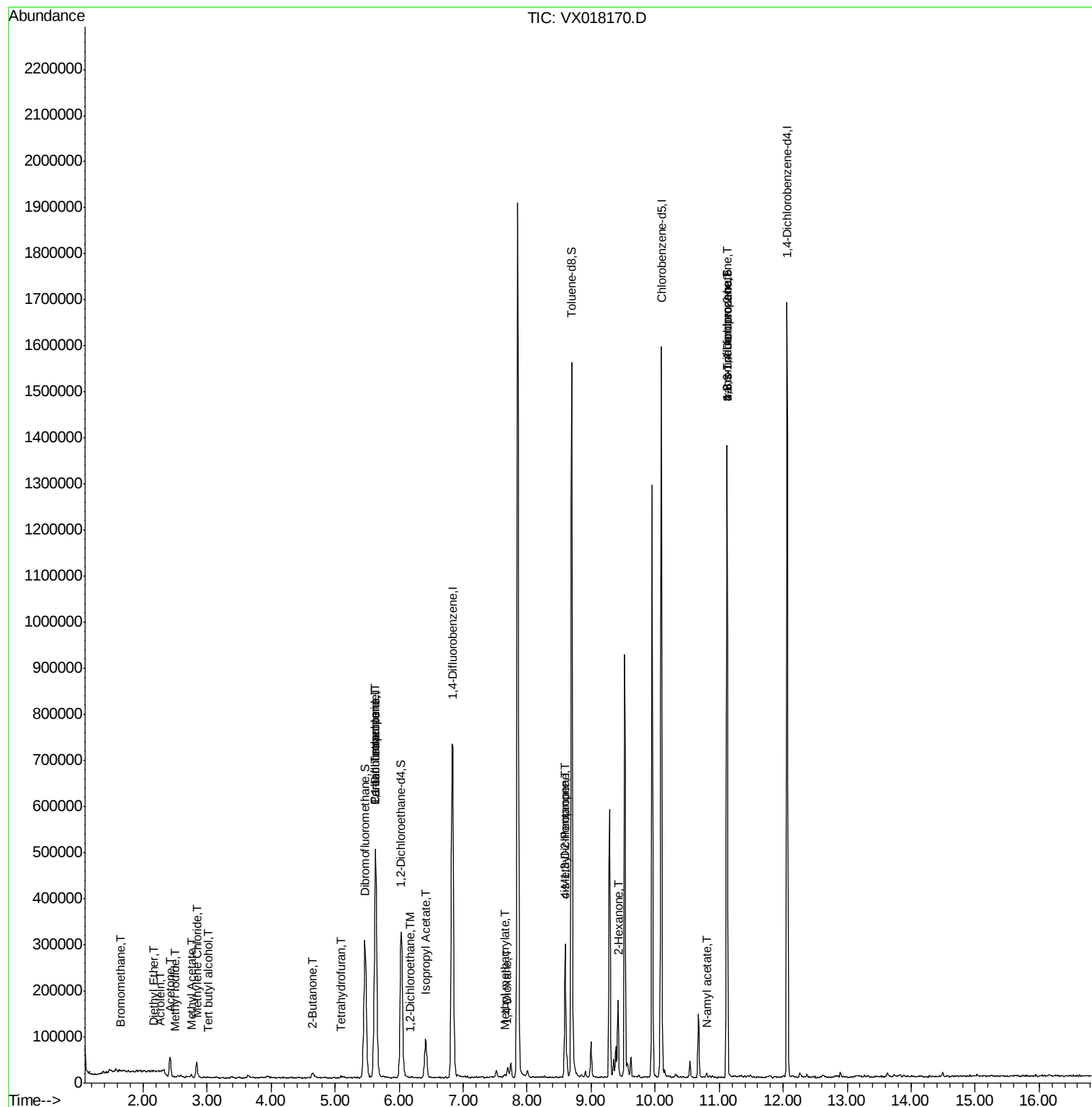
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1587	0.578	ug/l #	37
8) Diethyl Ether	2.17	74	593	0.225	ug/l	71
10) Methyl Iodide	2.50	142	789	5.444	ug/l #	95
11) Tert butyl alcohol	3.01	59	1228	1.021	ug/l #	53
13) Acrolein	2.27	56	556	1.115	ug/l	92
16) Acetone	2.42	43	47247	19.604	ug/l	94
18) Methyl Acetate	2.75	43	8692	1.495	ug/l	100
20) Methylene Chloride	2.84	84	16324	2.196	ug/l	98
25) 2-Butanone	4.65	43	10673	2.695	ug/l	98
29) Tetrahydrofuran	5.09	42	1169	0.464	ug/l #	9
36) 1,1-Dichloropropene	5.63	75	35342	5.189	ug/l #	53
38) Carbon Tetrachloride	5.63	117	47686	6.212	ug/l #	18
42) 1,2-Dichloroethane	6.17	62	1793	0.234	ug/l	95
43) Isopropyl Acetate	6.42	43	112145	8.777	ug/l	98
48) Methyl methacrylate	7.65	41	6605	1.038	ug/l #	16
49) 1,4-Dioxane	7.68	88	184	1.597	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	113393	14.366	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	45657	5.134	ug/l #	64
59) 2-Hexanone	9.42	43	107889	17.977	ug/l #	25
74) N-amyl acetate	10.80	43	5697	0.529	ug/l #	59
76) 1,2,3-Trichloropropane	11.12	75	177815	23.245	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	177815	62.780	ug/l #	12

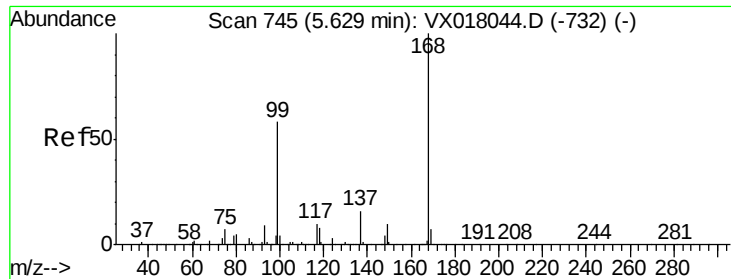
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX083120\
Data File : VX018170.D
Acq On : 01 Sep 2020 01:01
Operator : JC/SP
Sample : L3508-28
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TR-08-082820

Quant Time: Sep 01 05:43:57 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: VX018170.D

Acq: 01 Sep 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

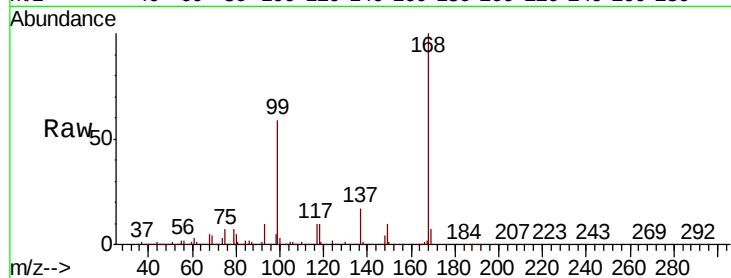
TR-08-082820

Tot Ion:168 Resp: 445537

Ion Ratio Lower Upper

168 100

99 59.1 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

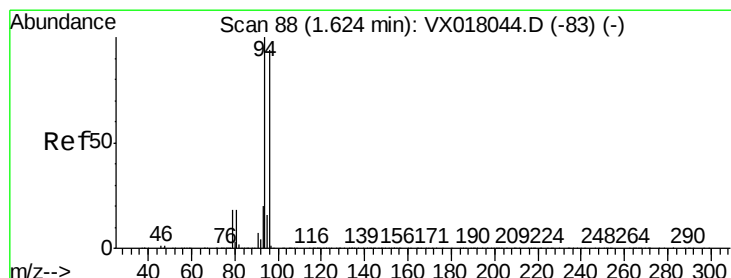
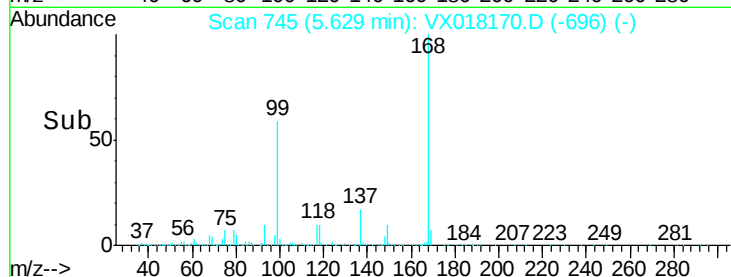
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.578 ug/l

RT: 1.66 min Scan# 94

Delta R.T. 0.04 min

Lab File: VX018170.D

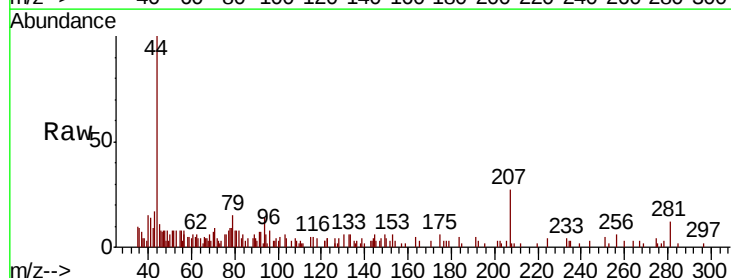
Acq: 01 Sep 2020 01:01

Tgt Ion: 94 Resp: 1587

Ion Ratio Lower Upper

94 100

96 32.5 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

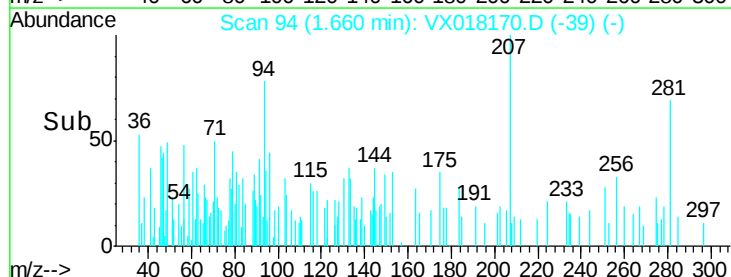
600

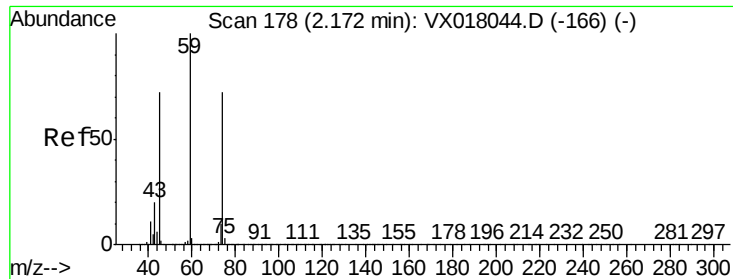
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.225 ug/l

RT: 2.17 min Scan# 178

Delta R.T. -0.00 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

Instrument :

MSVOA_X

ClientSampled :

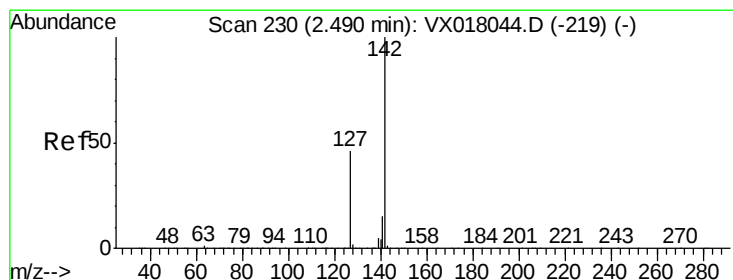
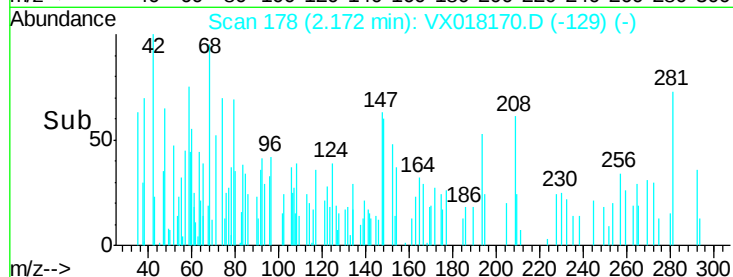
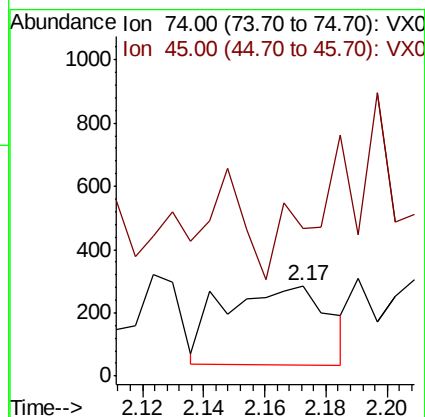
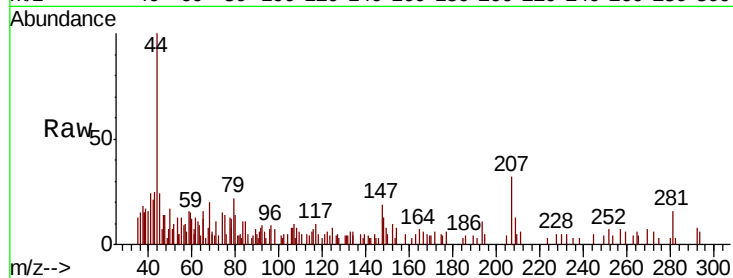
TR-08-082820

Tot Ion: 74 Resp: 593

Ion Ratio Lower Upper

74 100

45 72.0 50.7 152.3



#10

Methyl Iodide

Concen: 5.444 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

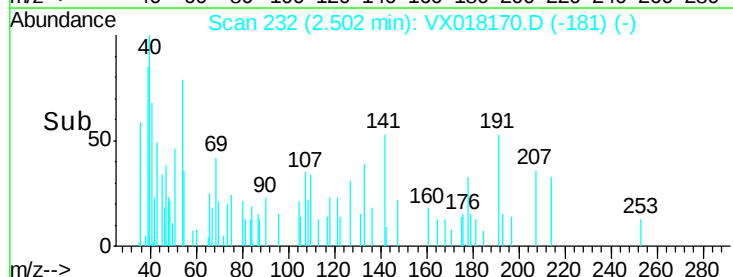
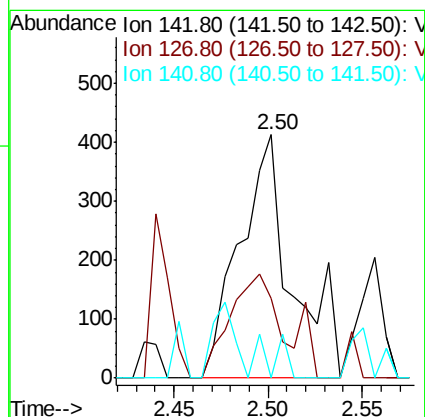
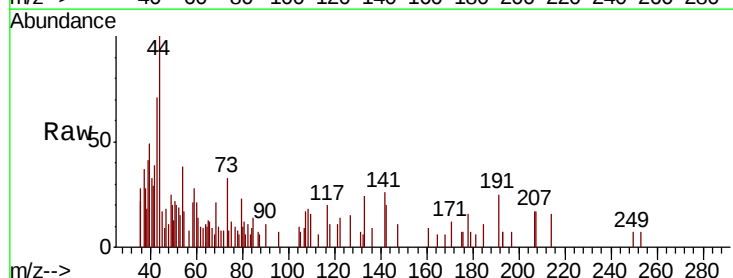
Tgt Ion: 142 Resp: 789

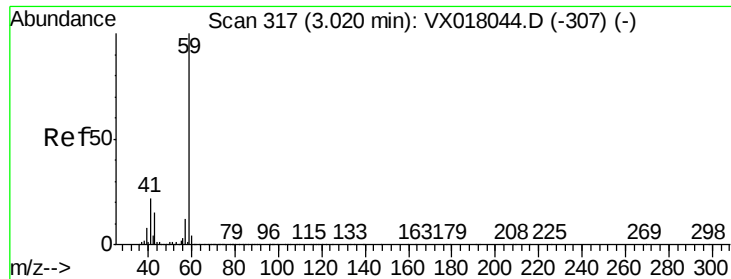
Ion Ratio Lower Upper

142 100

127 45.5 37.0 55.6

141 7.0 11.5 17.3#



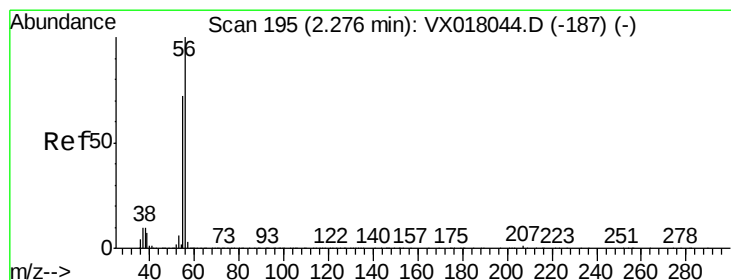
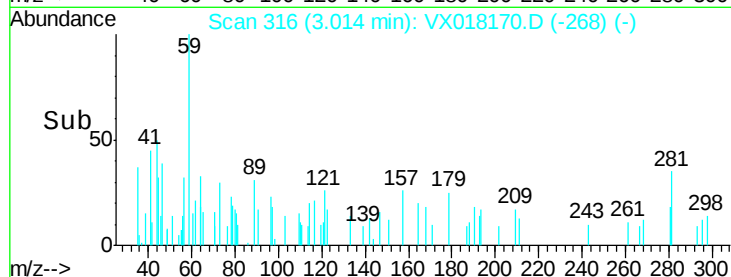
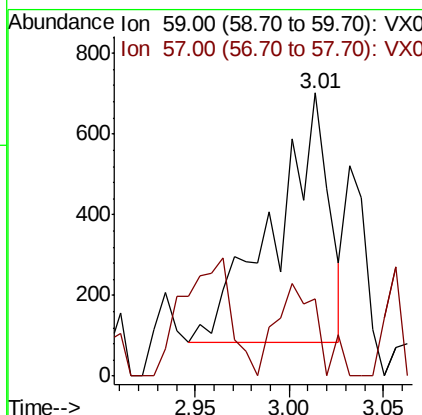
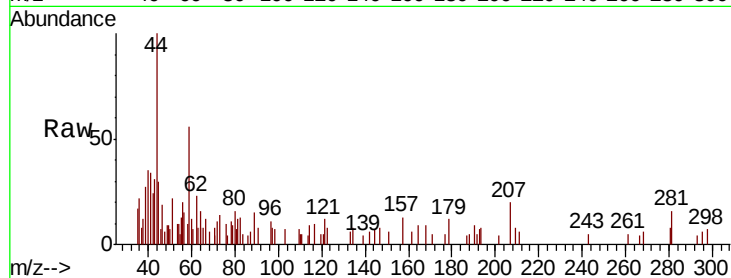


#11

Tert butyl alcohol
 Concen: 1.021 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX018170.D
 Acq: 01 Sep 2020 01:01

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-08-082820

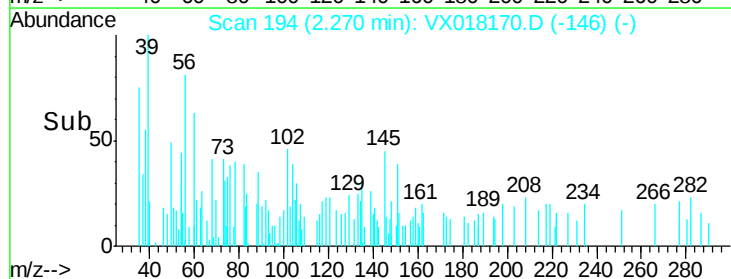
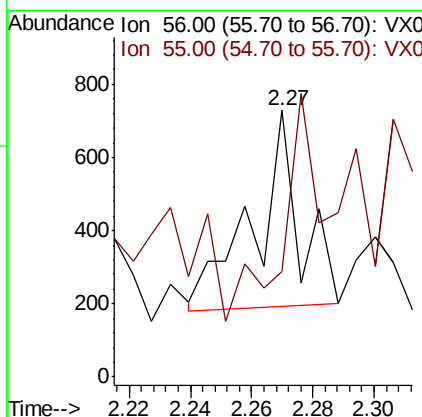
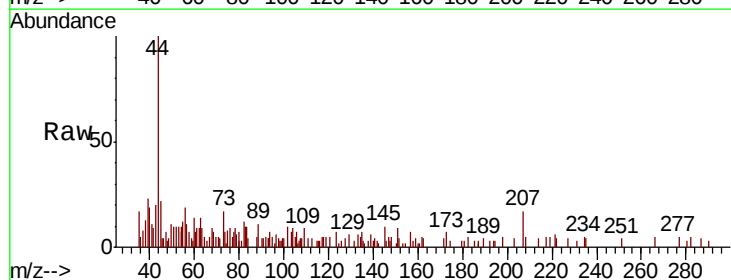
Tot Ion: 59 Resp: 1228
 Ion Ratio Lower Upper
 59 100
 57 28.8 8.9 13.3#

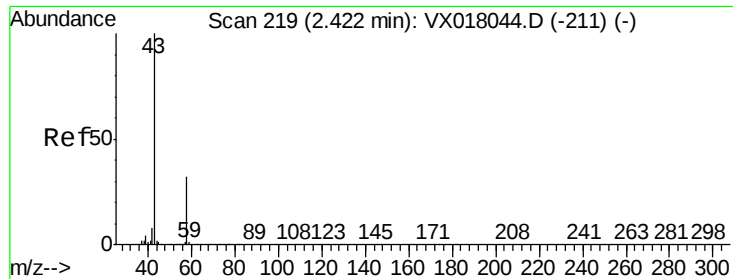


#13

Acrolein
 Concen: 1.115 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX018170.D
 Acq: 01 Sep 2020 01:01

Tgt Ion: 56 Resp: 556
 Ion Ratio Lower Upper
 56 100
 55 64.9 57.0 85.6

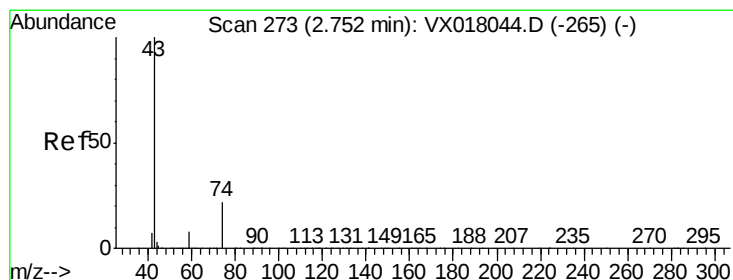
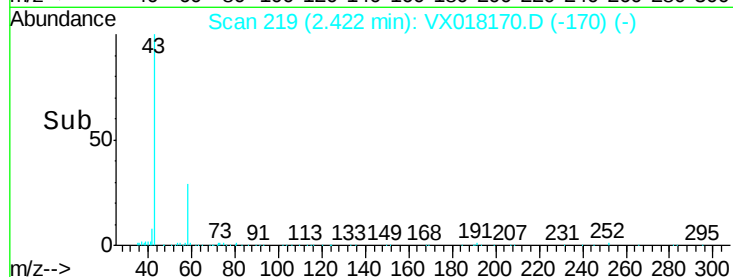
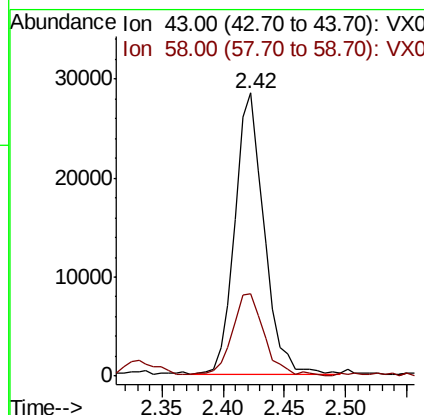
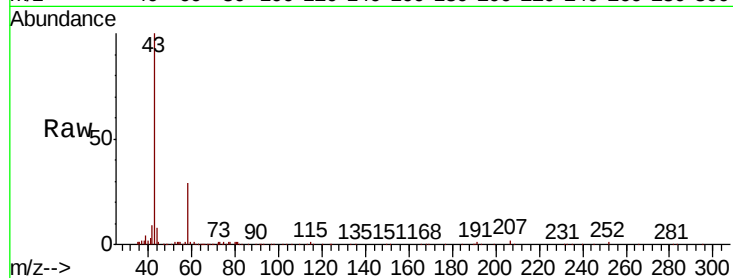




#16
Acetone
Concen: 19.604 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018170.D
Acq: 01 Sep 2020 01:01

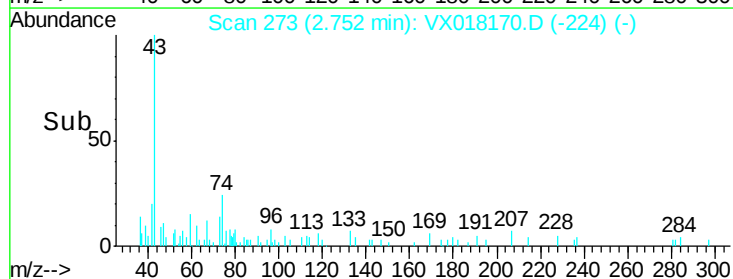
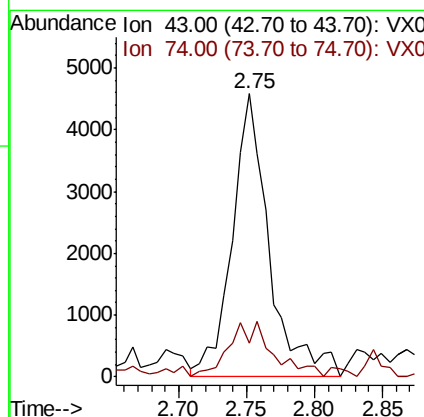
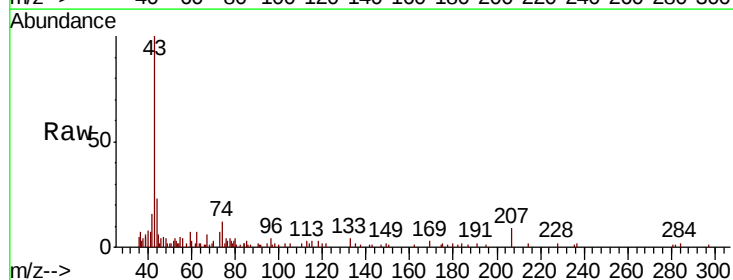
Instrument :
MSVOA_X
ClientSampleId :
TR-08-082820

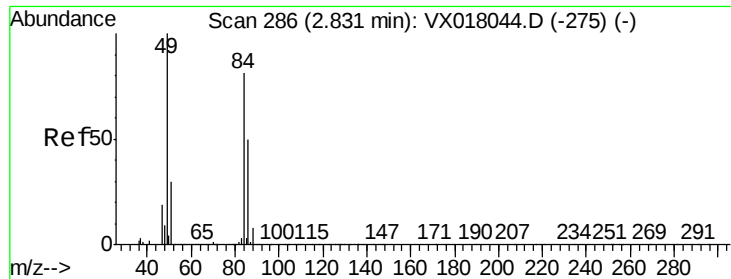
Tot Ion: 43 Resp: 47247
Ion Ratio Lower Upper
43 100
58 28.3 25.5 38.3



#18
Methyl Acetate
Concen: 1.495 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018170.D
Acq: 01 Sep 2020 01:01

Tgt Ion: 43 Resp: 8692
Ion Ratio Lower Upper
43 100
74 22.9 18.2 27.4



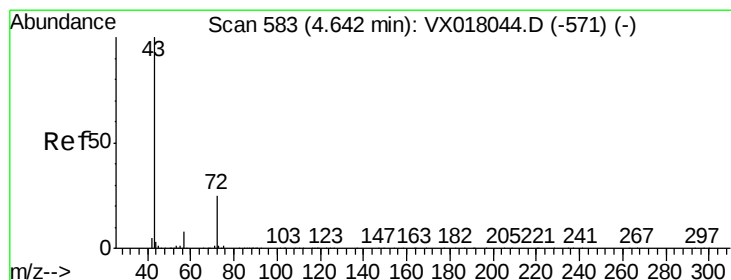
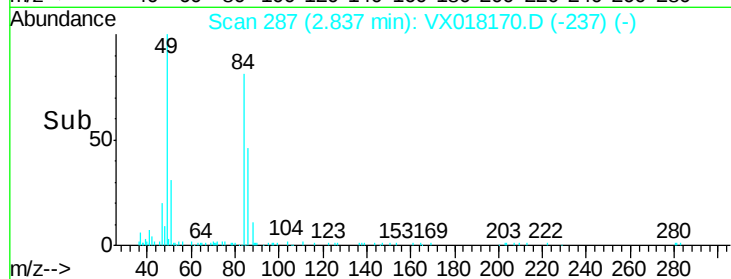
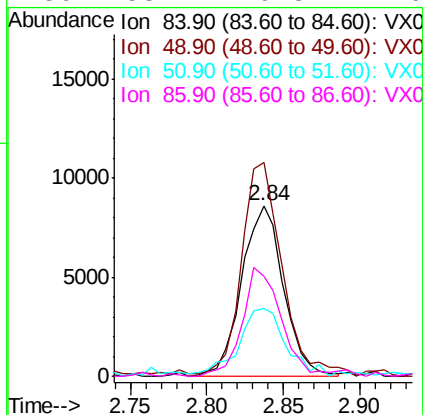
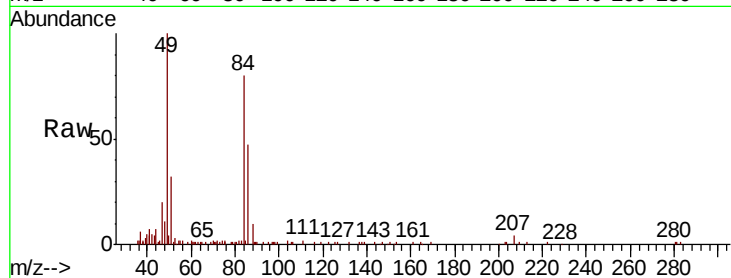


#20
Methvlene Chloride
Concen: 2.196 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018170.D
Acq: 01 Sep 2020 01:01

Instrument :
MSVOA_X
ClientSampleId :
TR-08-082820

Tot Ion: 84 Resp: 16324

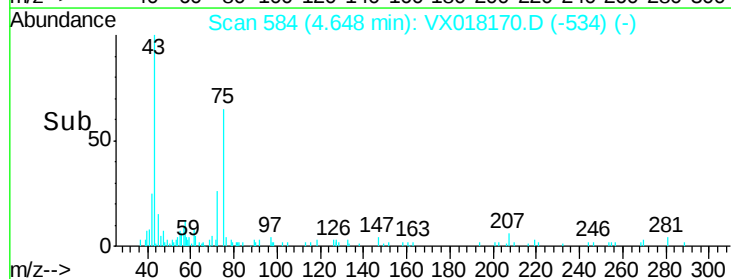
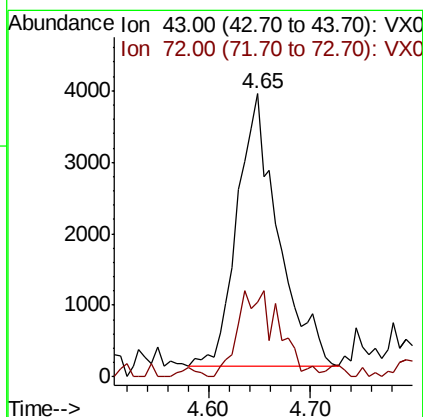
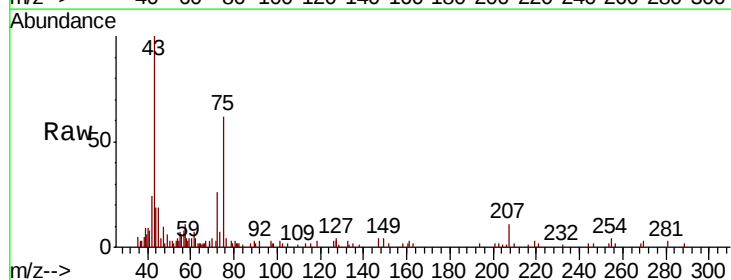
Ion	Ratio	Lower	Upper
84	100		
49	123.5	98.6	148.0
51	38.0	29.6	44.4
86	58.4	49.8	74.6

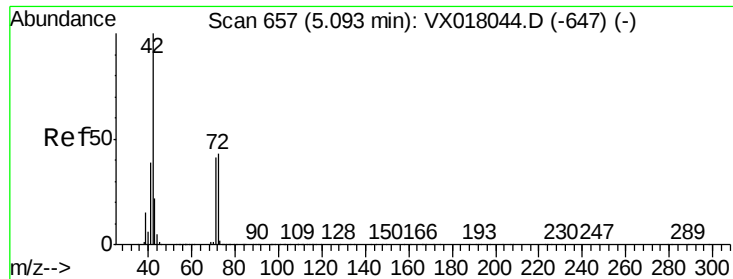


#25
2-Butanone
Concen: 2.695 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018170.D
Acq: 01 Sep 2020 01:01

Tgt Ion: 43 Resp: 10673

Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.8	29.6

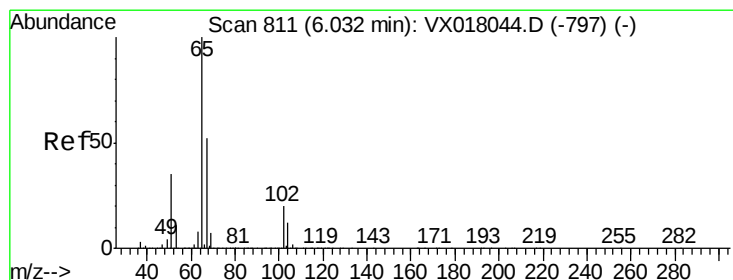
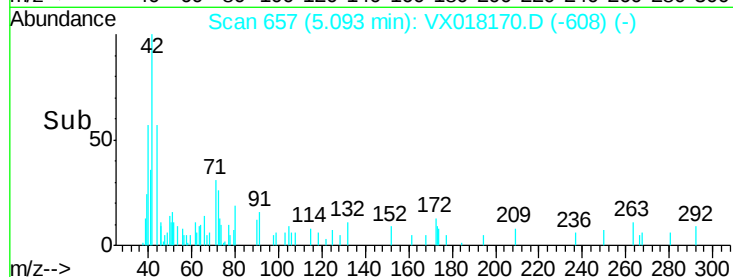
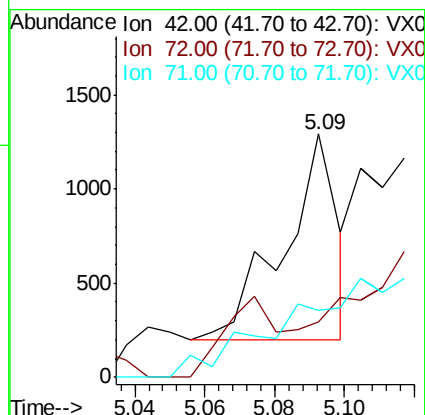
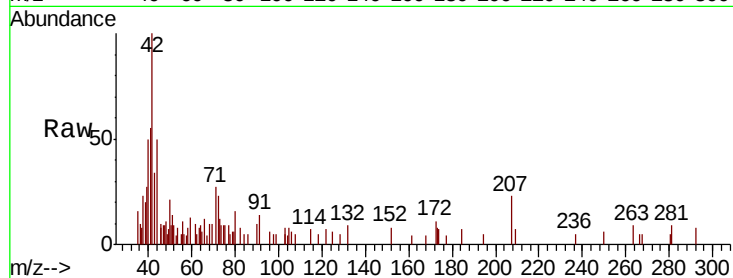




#29
Tetrahydrofuran
Concen: 0.464 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX018170.D
Acq: 01 Sep 2020 01:01

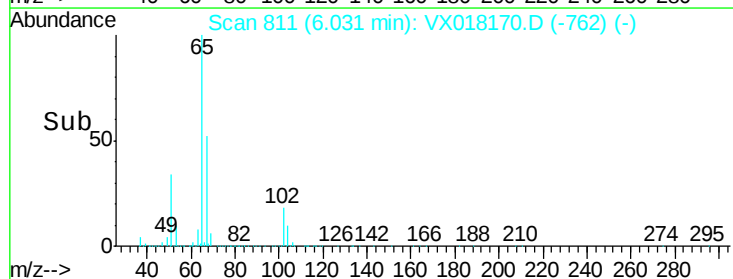
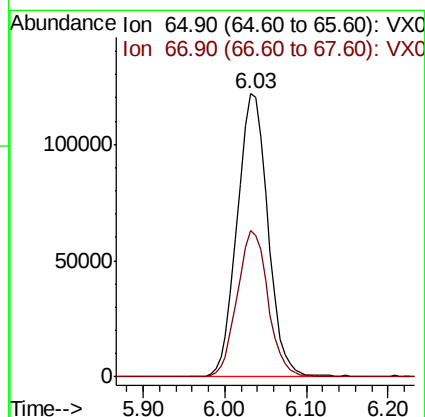
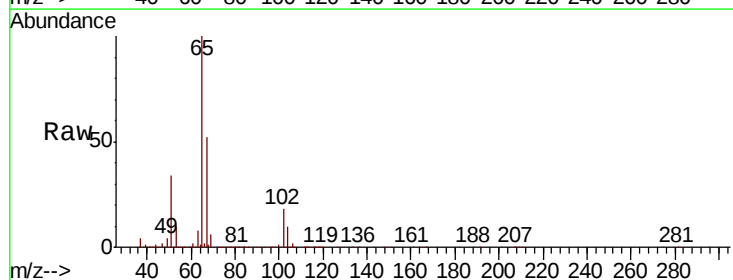
Instrument :
MSVOA_X
ClientSampled :
TR-08-082820

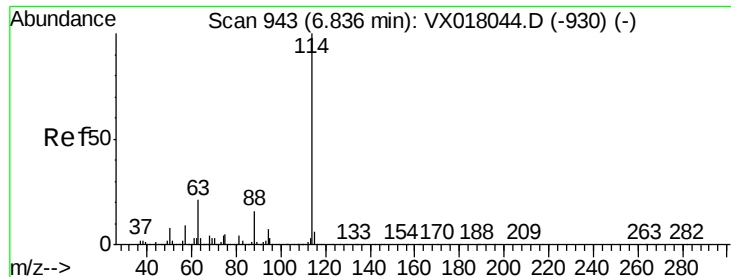
Tot Ion: 42 Resp: 1169
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 112.2 32.1 48.1#



#33
1,2-Dichloroethane-d4
Concen: 51.508 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018170.D
Acq: 01 Sep 2020 01:01

Tgt Ion: 65 Resp: 318589
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

TR-08-082820

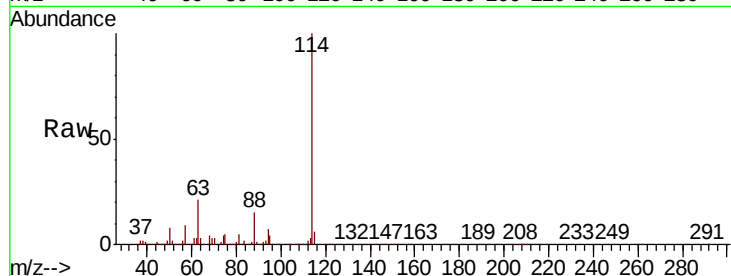
Tot Ion:114 Resp: 738481

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

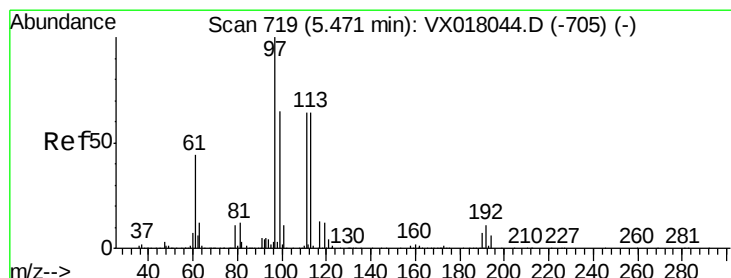
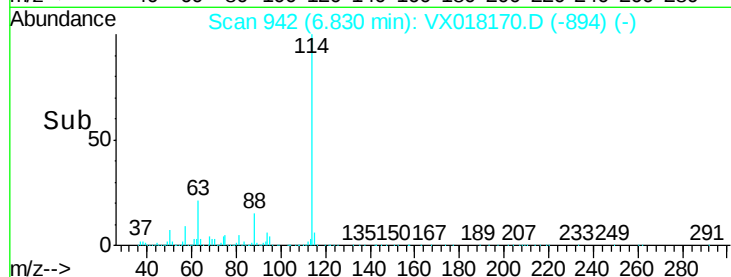
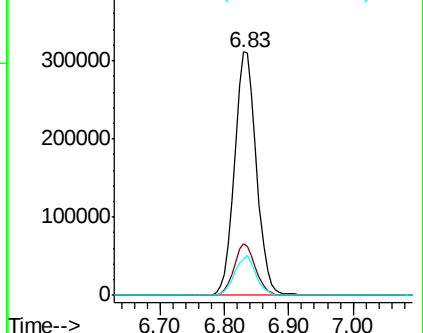
88 15.0 0.0 31.8



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: 50.454 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

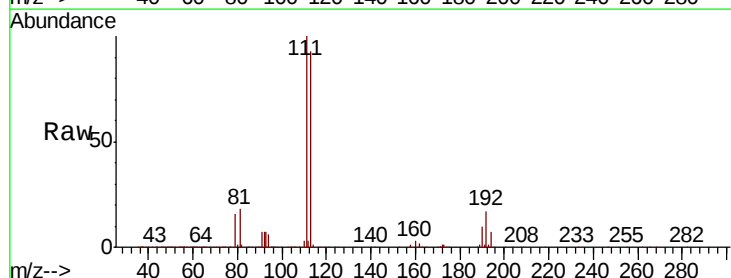
Tgt Ion:113 Resp: 253753

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

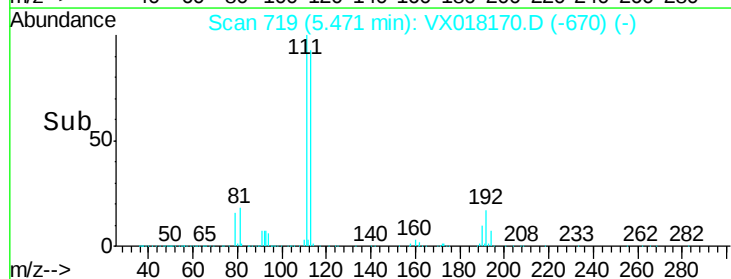
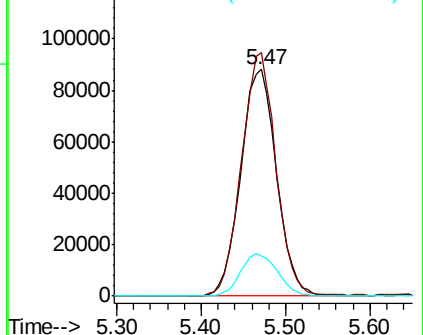
192 19.3 15.8 23.8

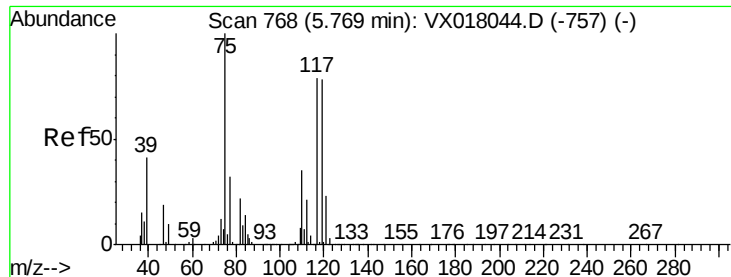


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

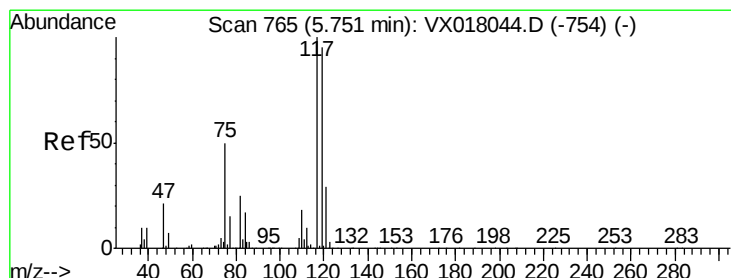
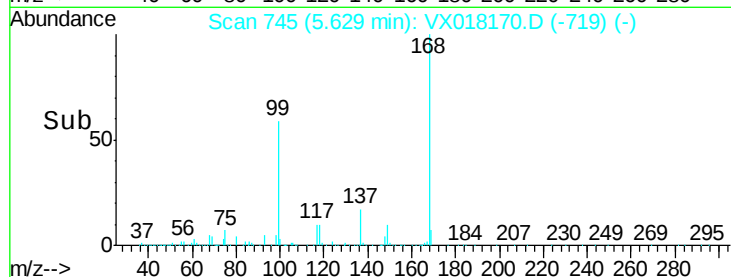
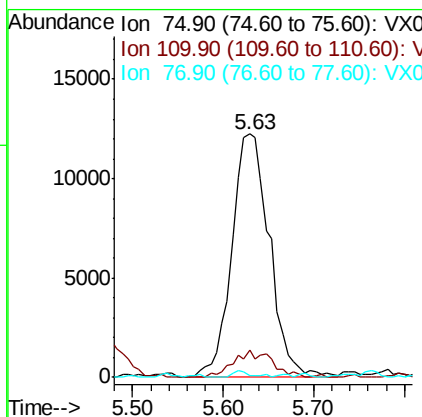
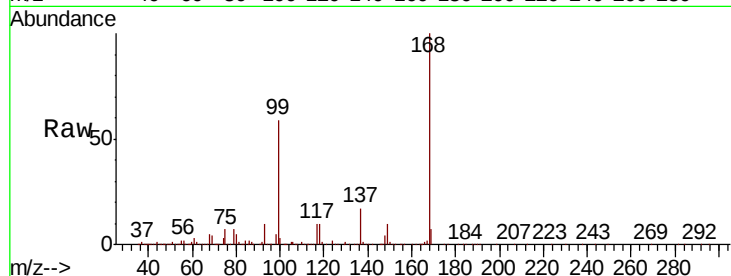




#36
 1,1-Dichloropropene
 Concen: 5.189 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018170.D
 Acq: 01 Sep 2020 01:01

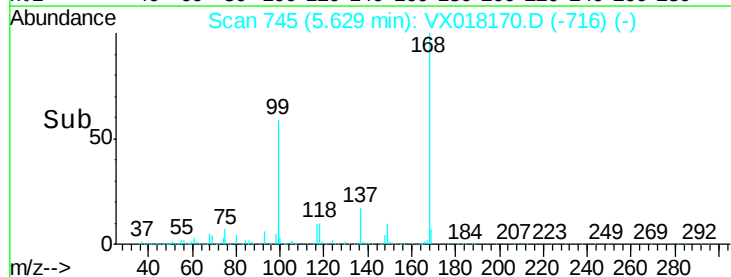
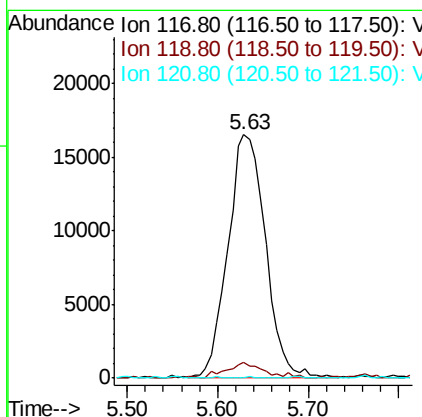
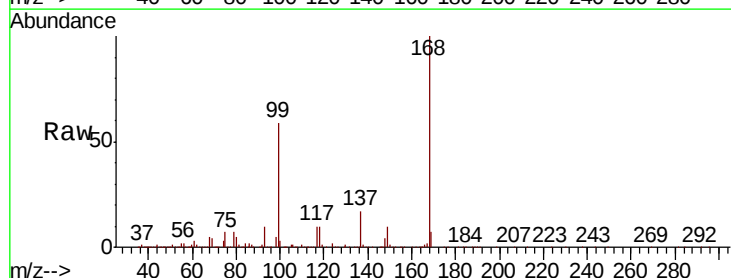
Instrument :
 MSVOA_X
 ClientSampleId :
 TR-08-082820

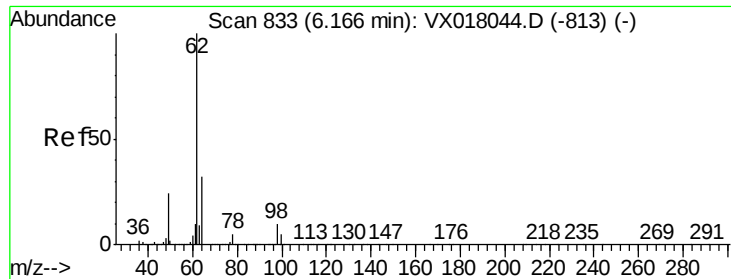
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.3	18.0	54.0#
77	1.1	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.212 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018170.D
 Acq: 01 Sep 2020 01:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	75.8	113.6#
121	0.4	23.4	35.0#





#42

1,2-Dichloroethane

Concen: 0.234 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

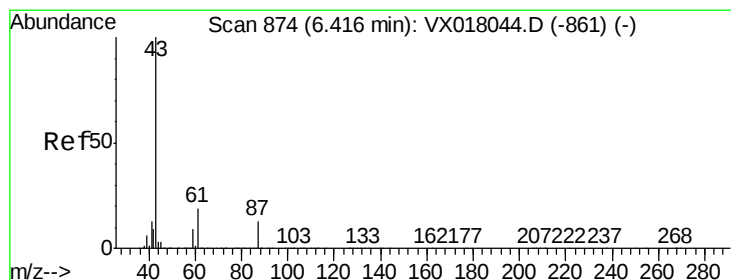
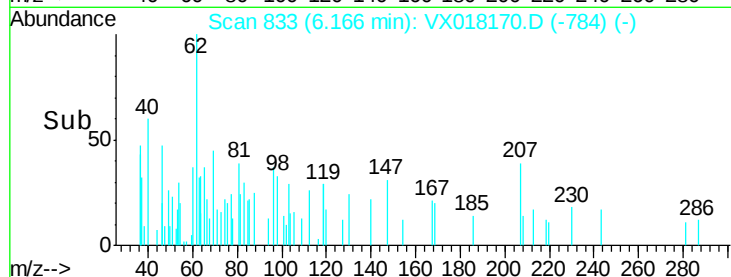
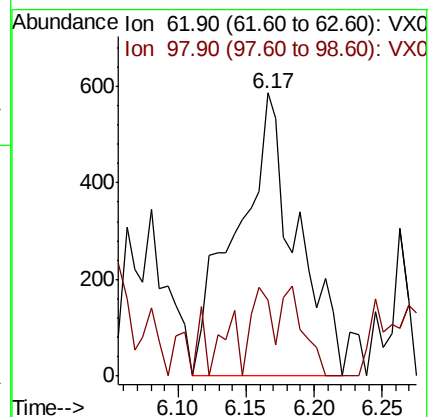
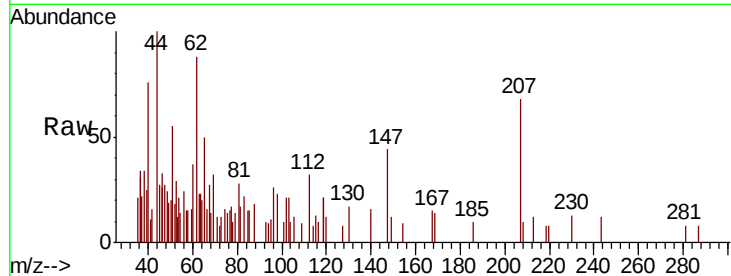
TR-08-082820

Tot Ion: 62 Resp: 1793

Ion Ratio Lower Upper

62 100

98 10.9 0.0 18.2



#43

Isopropyl Acetate

Concen: 8.777 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

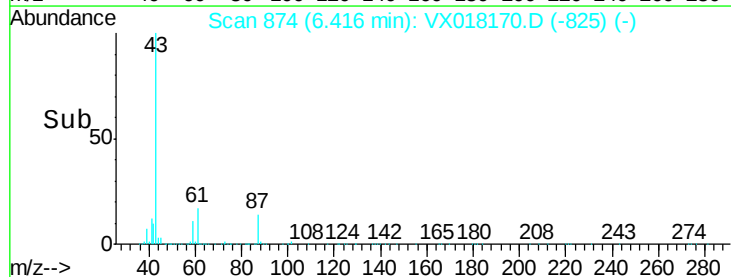
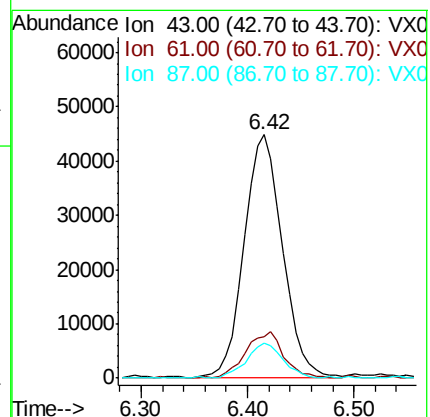
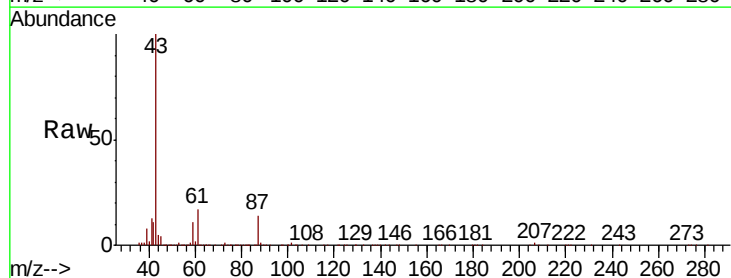
Tgt Ion: 43 Resp: 112145

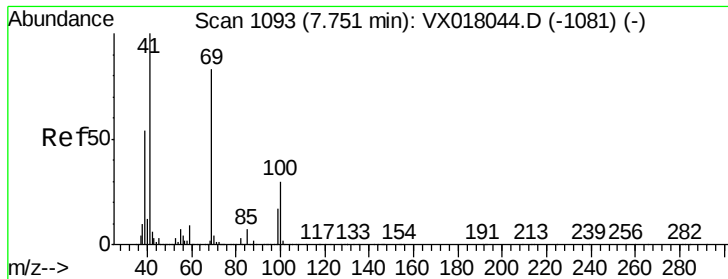
Ion Ratio Lower Upper

43 100

61 18.9 15.7 23.5

87 13.5 10.3 15.5





#48

Methyl methacrylate

Concen: 1.038 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. -0.10 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

TR-08-082820

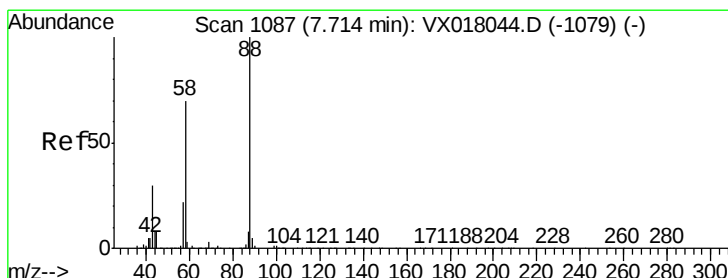
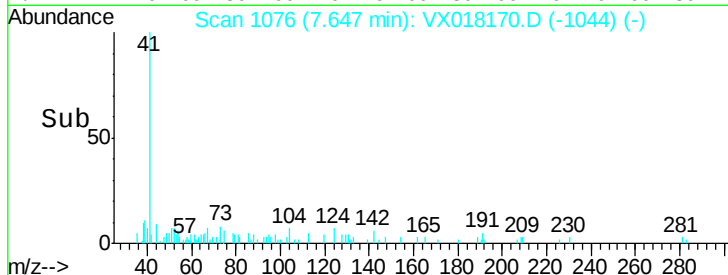
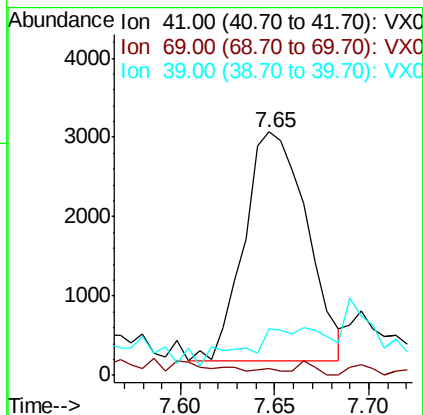
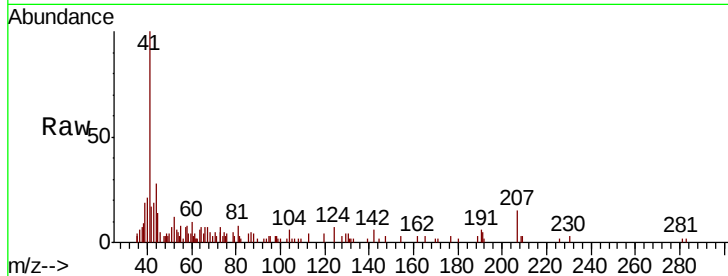
Tot Ion: 41 Resp: 6605

Ion Ratio Lower Upper

41 100

69 1.9 65.5 98.3#

39 0.0 44.5 66.7#



#49

1,4-Dioxane

Concen: 1.597 ug/l

RT: 7.68 min Scan# 1082

Delta R.T. -0.03 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

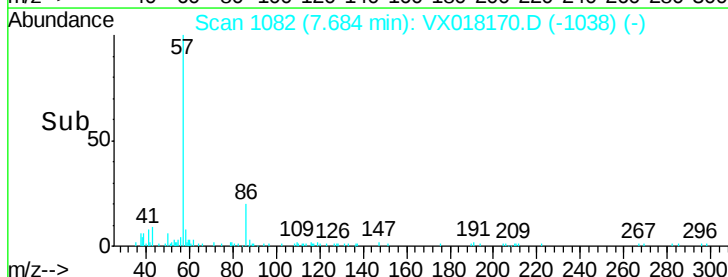
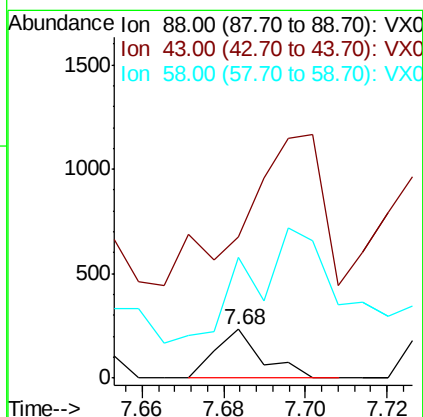
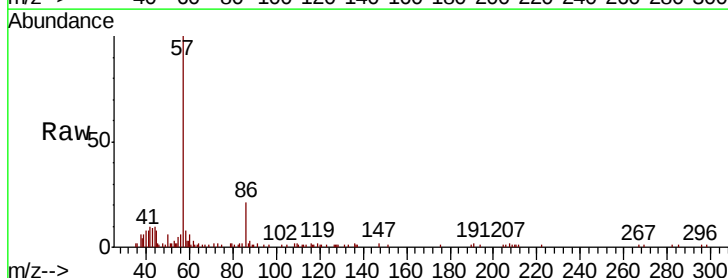
Tgt Ion: 88 Resp: 184

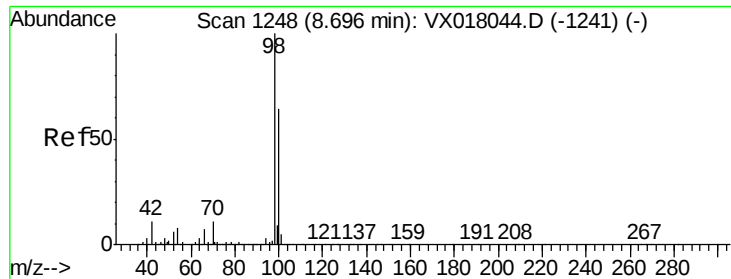
Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 640.2 56.4 84.6#





#50

Toluene-d8

Concen: 48.368 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

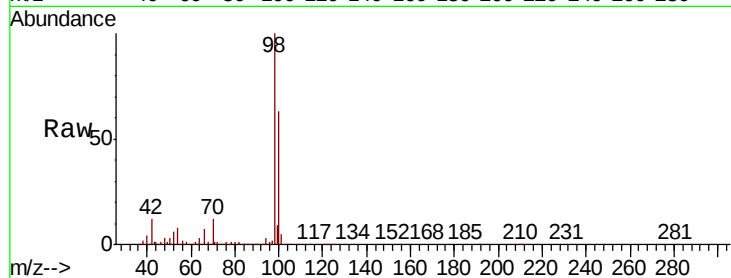
TR-08-082820

Tot Ion: 98 Resp: 906044

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

600000

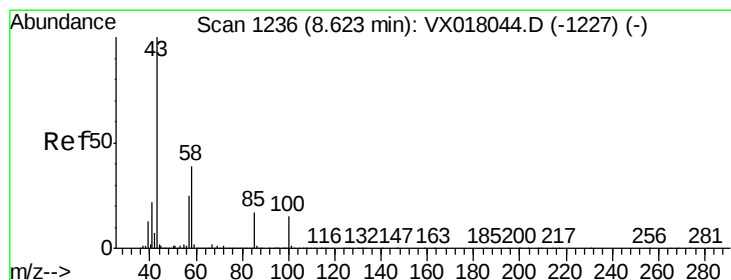
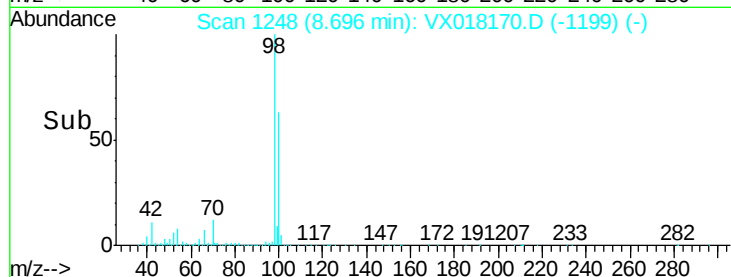
400000

200000

0

8.60 8.70 8.80

Time-->



#51

4-Methyl-2-Pentanone

Concen: 14.366 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018170.D

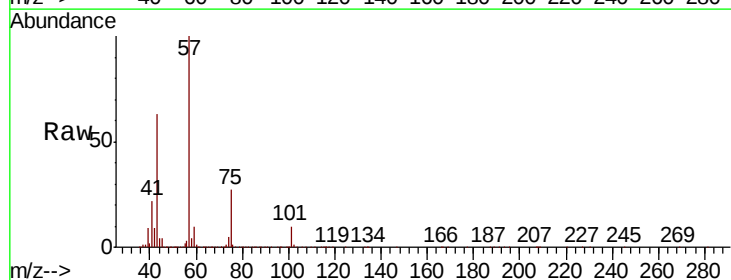
Acq: 01 Sep 2020 01:01

Tgt Ion: 43 Resp: 113393

Ion Ratio Lower Upper

43 100

58 6.7 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

60000

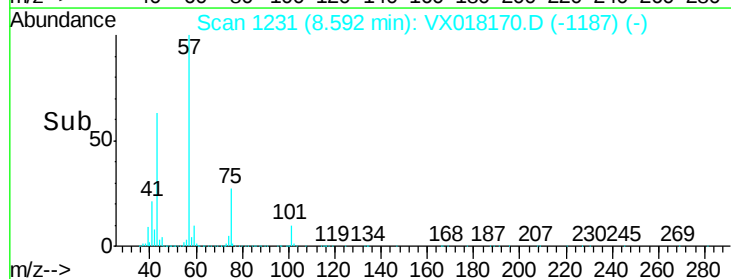
40000

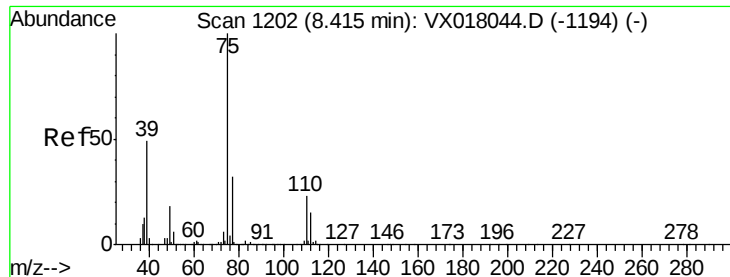
20000

0

8.55 8.60 8.65

Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.134 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

TR-08-082820

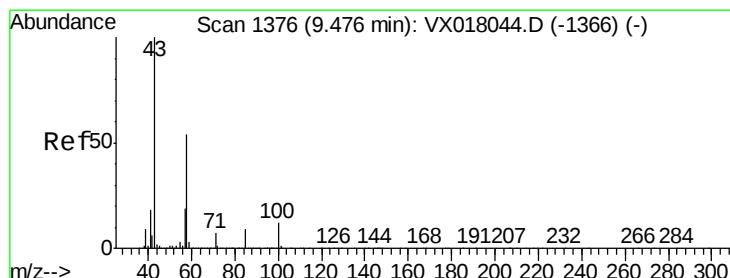
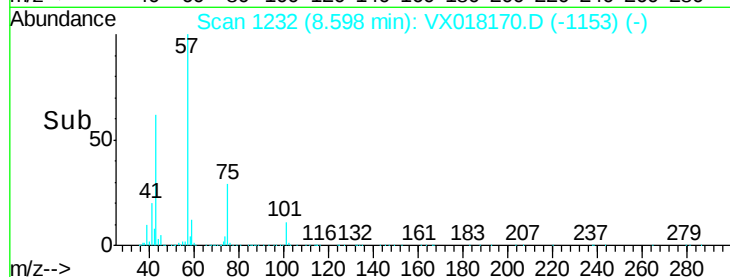
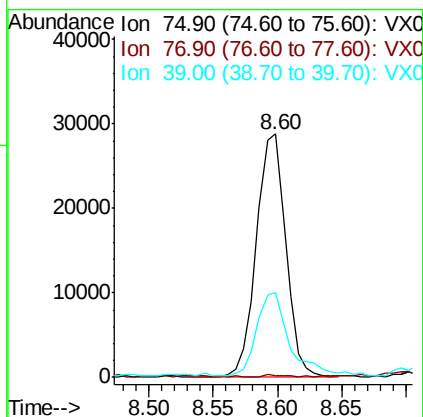
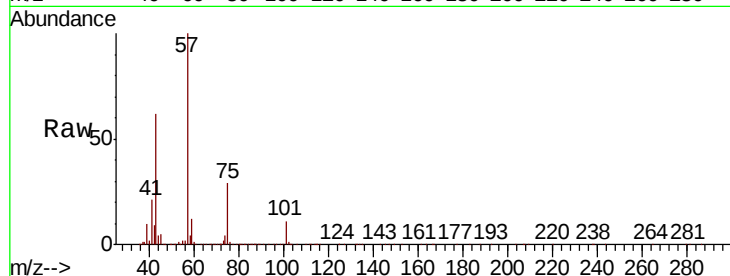
Tot Ion: 75 Resp: 45657

Ion Ratio Lower Upper

75 100

77 0.3 25.8 38.8#

39 33.8 38.8 58.2#



#59

2-Hexanone

Concen: 17.977 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VX018170.D

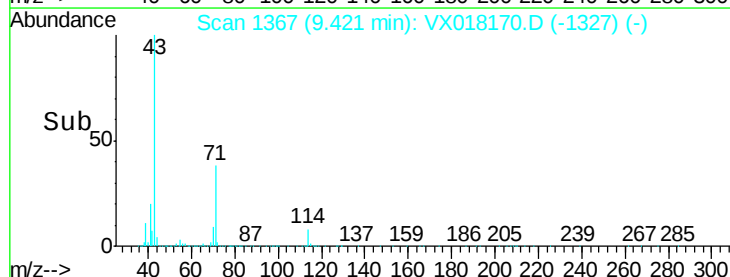
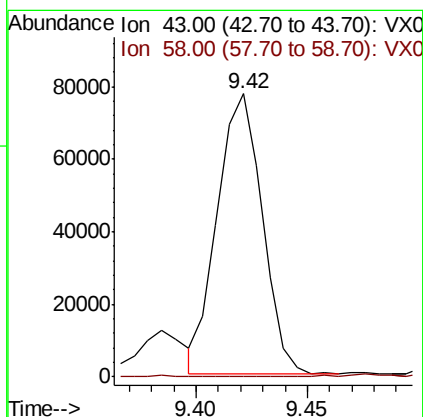
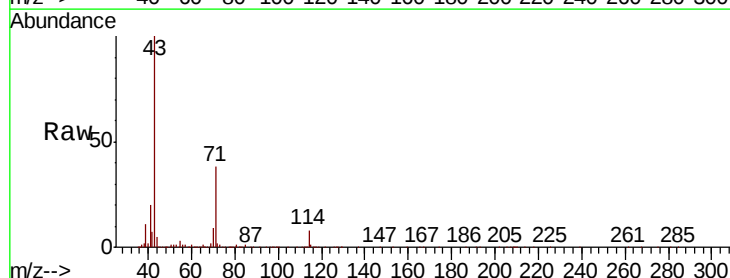
Acq: 01 Sep 2020 01:01

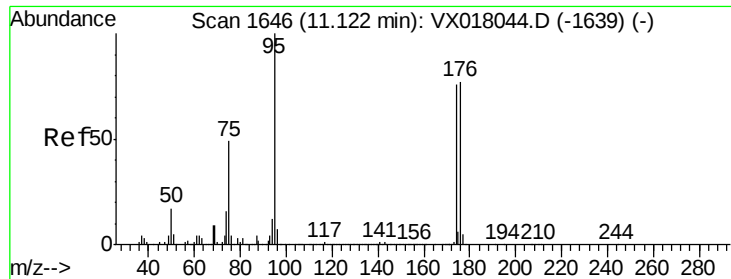
Tgt Ion: 43 Resp: 107889

Ion Ratio Lower Upper

43 100

58 0.0 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 45.922 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

TR-08-082820

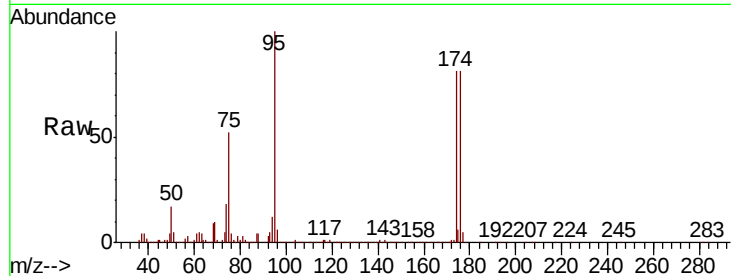
Tot Ion: 95 Resp: 338451

Ion Ratio Lower Upper

95 100

174 80.8 0.0 160.2

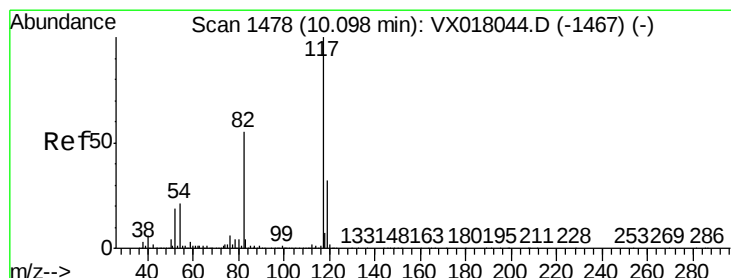
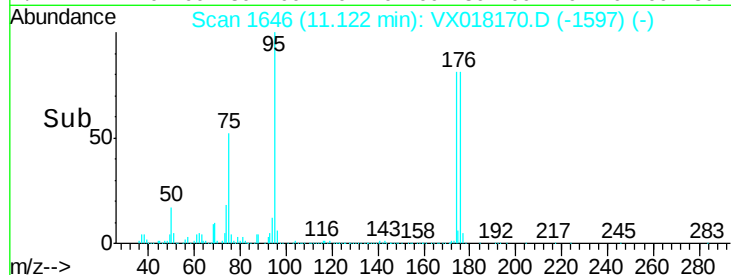
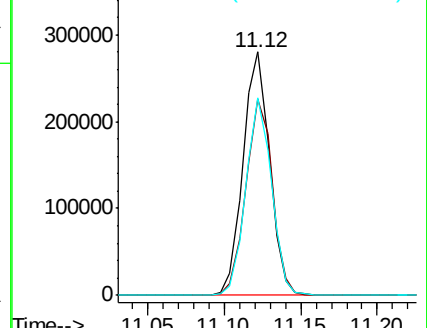
176 78.3 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018170.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018170.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018170.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

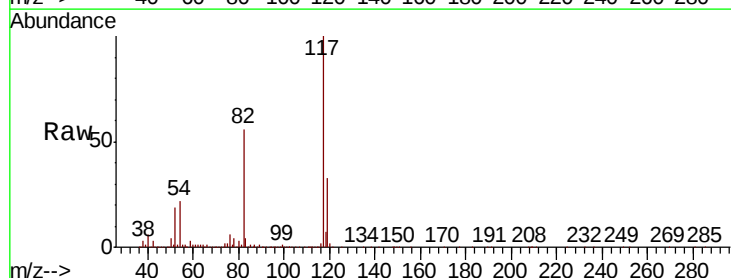
Tgt Ion: 117 Resp: 701308

Ion Ratio Lower Upper

117 100

82 56.1 44.2 66.2

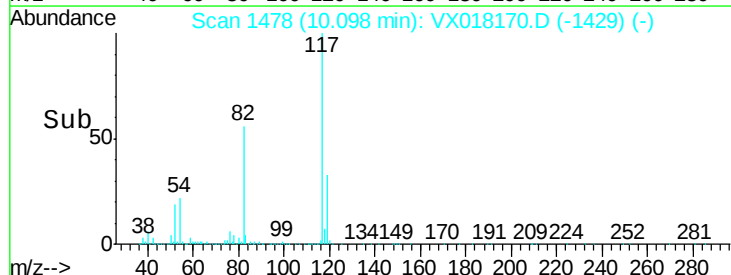
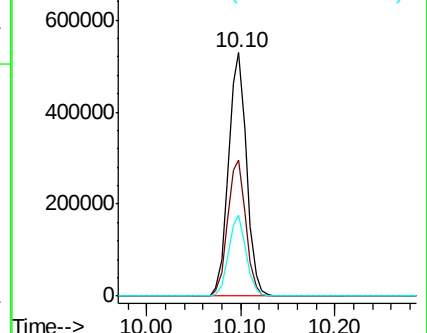
119 33.2 25.7 38.5

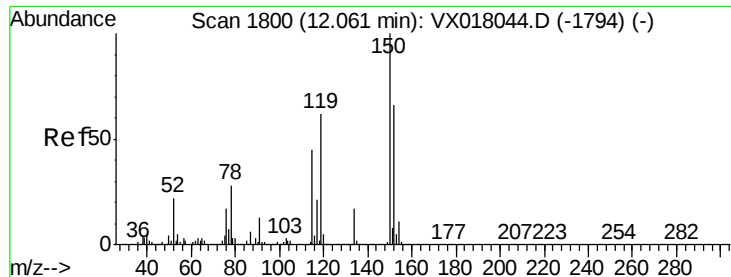


Abundance Ion 116.90 (116.60 to 117.60): VX018170.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018170.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018170.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

TR-08-082820

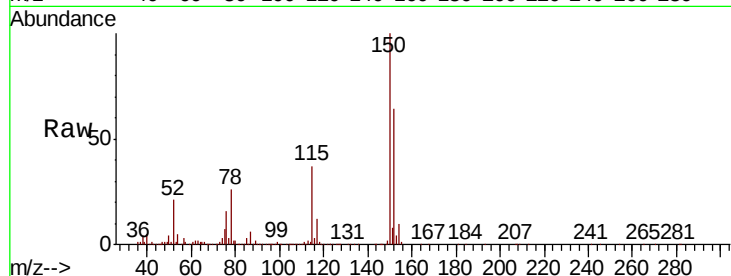
Tot Ion:152 Resp: 343877

Ion Ratio Lower Upper

152 100

115 58.9 41.5 124.5

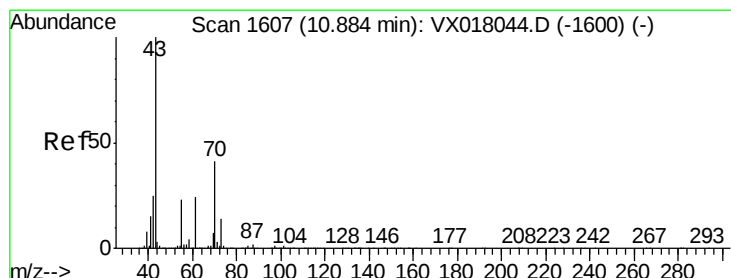
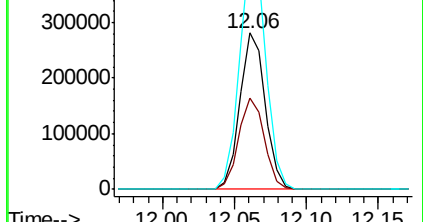
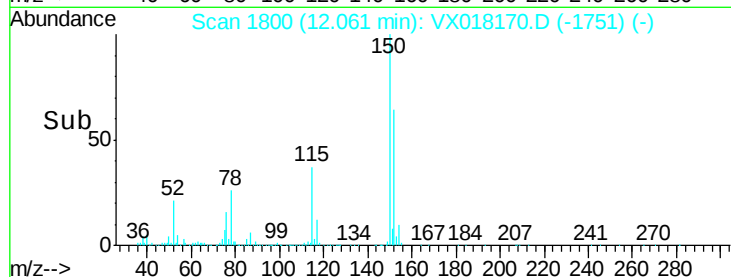
150 156.0 0.0 343.8



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



#74

N-ethyl acetate

Concen: 0.529 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

Tgt Ion: 43 Resp: 5697

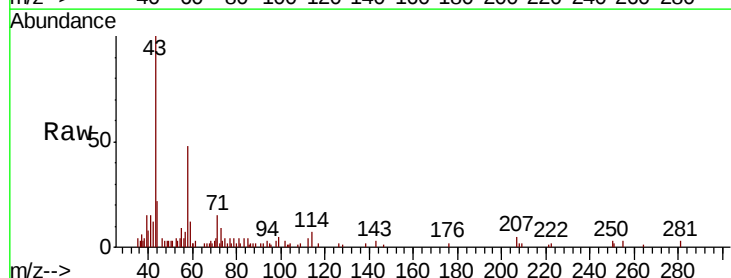
Ion Ratio Lower Upper

43 100

70 6.4 32.3 48.5#

55 18.7 18.2 27.2

61 0.0 18.9 28.3#

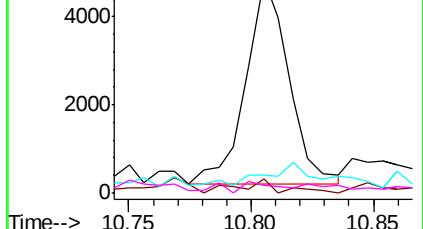
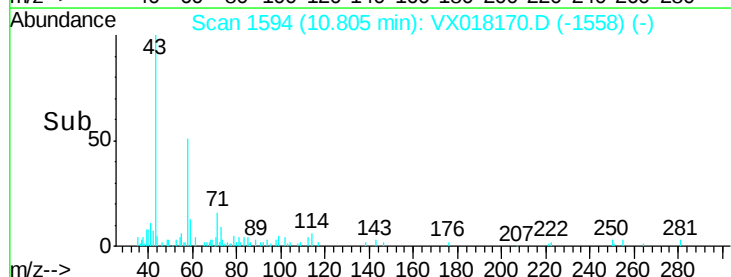


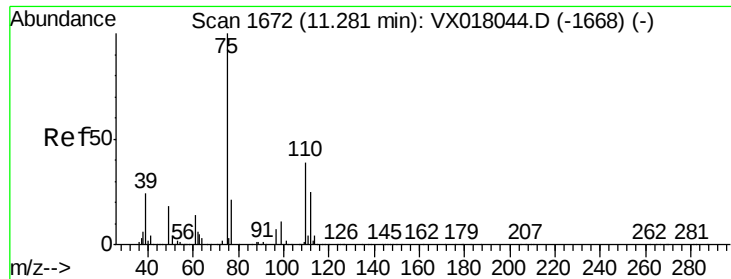
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 23.245 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

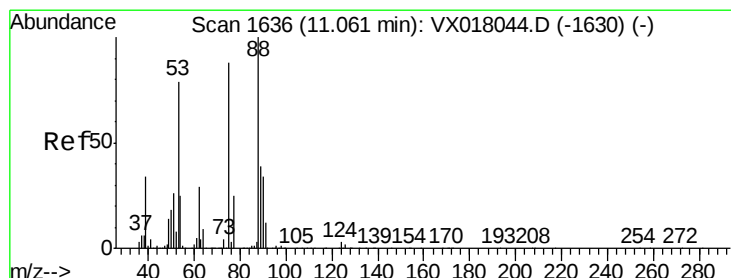
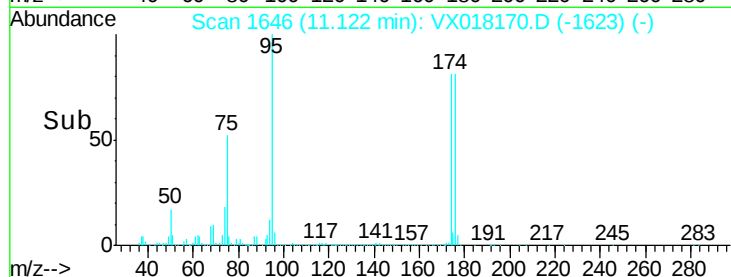
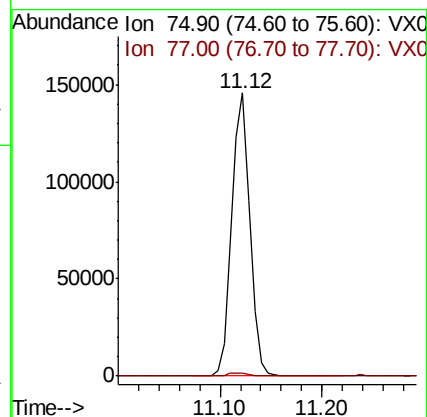
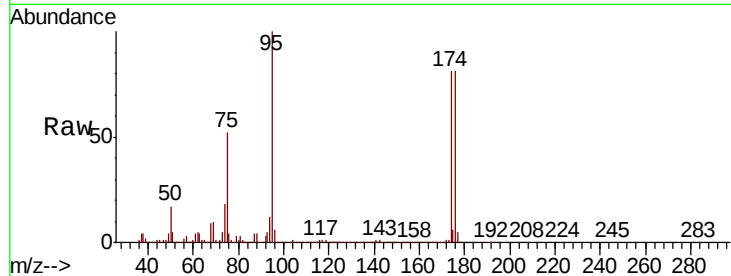
TR-08-082820

Tot Ion: 75 Resp: 177815

Ion Ratio Lower Upper

75 100

77 1.5 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.780 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018170.D

Acq: 01 Sep 2020 01:01

Tgt Ion: 75 Resp: 177815

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.1 36.6 54.8#

