

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018169.D
 Acq On : 01 Sep 2020 00:38
 Operator : JC/SP
 Sample : L3508-29
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-08-082820

Quant Time: Sep 01 05:43:28 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	5.64	168	464913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	754313	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	714762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	346518	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	329339	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
35) Dibromofluoromethane	5.47	113	257176	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
50) Toluene-d8	8.70	98	913284	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
62) 4-Bromofluorobenzene	11.12	95	342717	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	

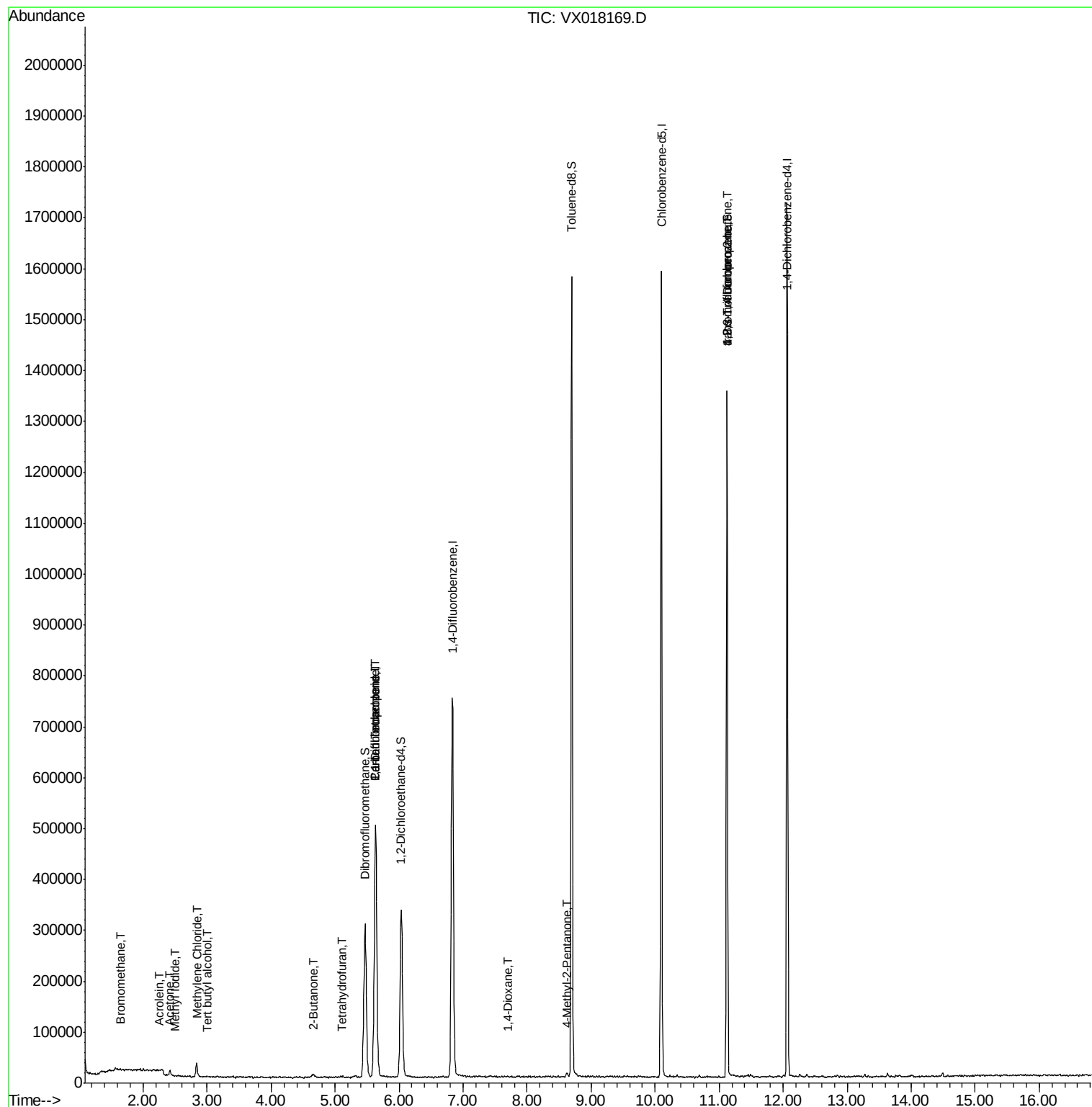
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	943	0.329	ug/l #	3
10) Methyl Iodide	2.49	142	788	5.437	ug/l #	85
11) Tert butyl alcohol	3.01	59	1432	1.141	ug/l #	54
13) Acrolein	2.26	56	153	0.294	ug/l #	1
16) Acetone	2.42	43	12043	4.789	ug/l #	78
20) Methylene Chloride	2.83	84	12807	1.354	ug/l	91
25) 2-Butanone	4.66	43	4272	1.034	ug/l	93
29) Tetrahydrofuran	5.10	42	1141	0.434	ug/l #	34
36) 1,1-Dichloropropene	5.64	75	33997	4.886	ug/l #	53
38) Carbon Tetrachloride	5.63	117	49014	6.251	ug/l #	18
49) 1,4-Dioxane	7.70	88	140	1.190	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	6426	0.797	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	175533	22.772	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	175533	61.502	ug/l #	12

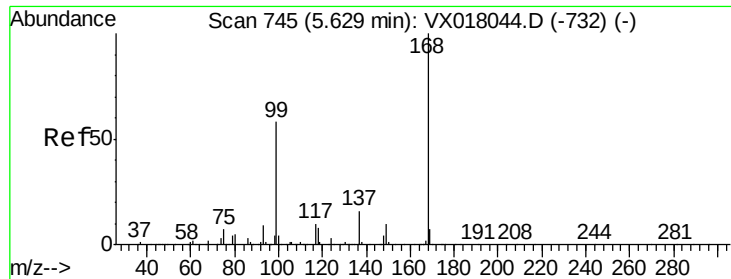
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018169.D

Acq: 01 Sep 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

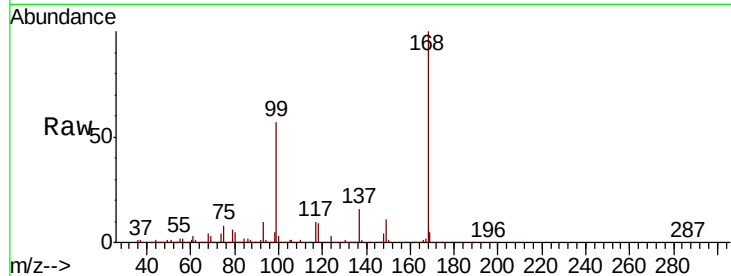
TR-08-082820

Tot Ion:168 Resp: 464913

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

5.64

150000

100000

50000

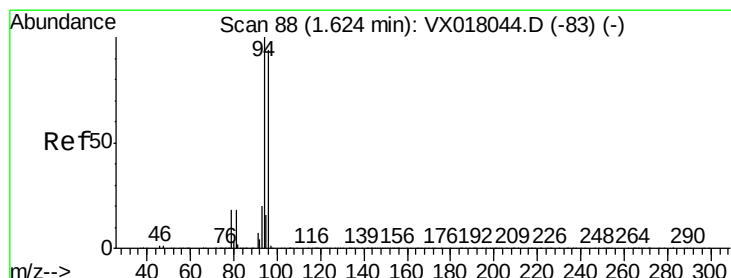
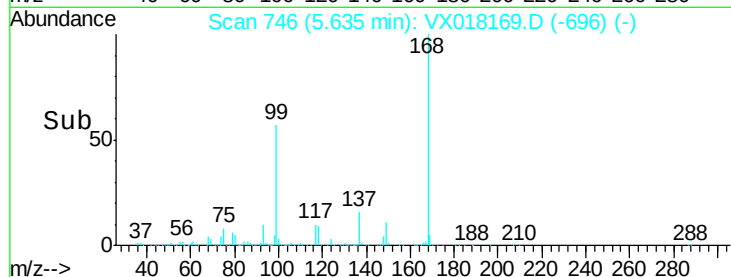
0

Time-->

5.50

5.60

5.70



#5

Bromomethane

Concen: 0.329 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018169.D

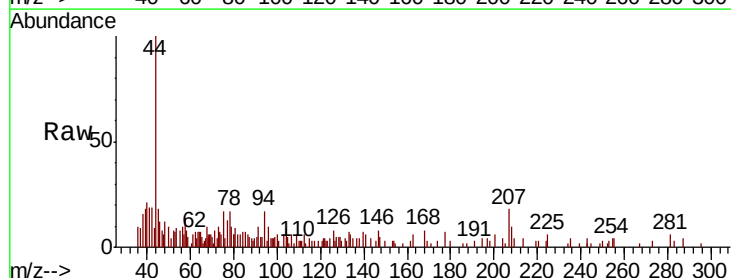
Acq: 01 Sep 2020 00:38

Tgt Ion: 94 Resp: 943

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

400

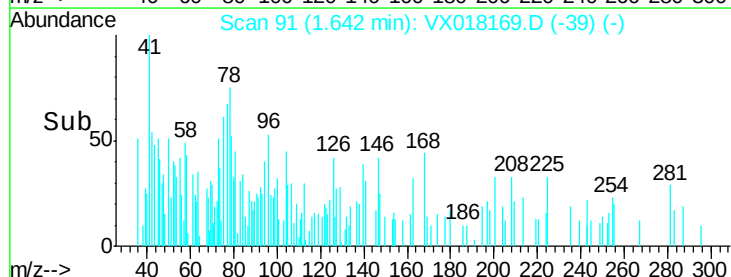
200

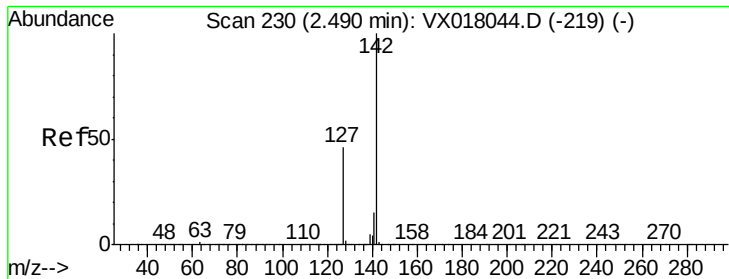
0

Time-->

1.60

1.65

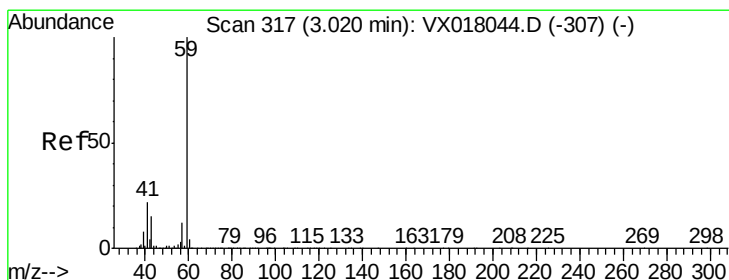
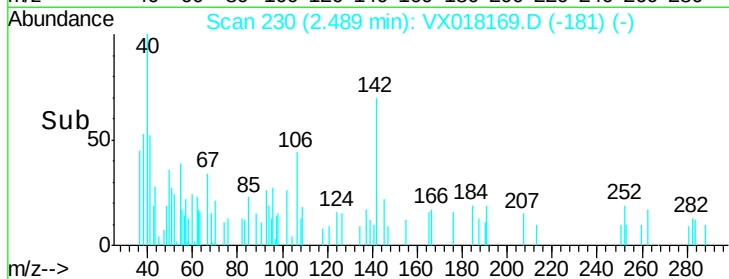
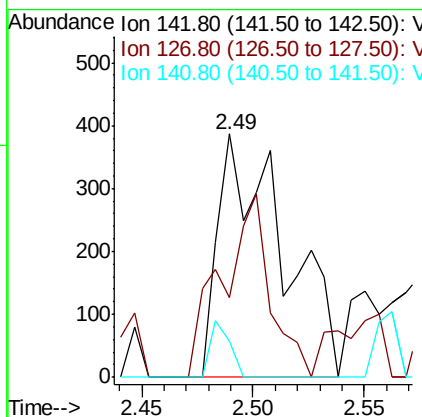
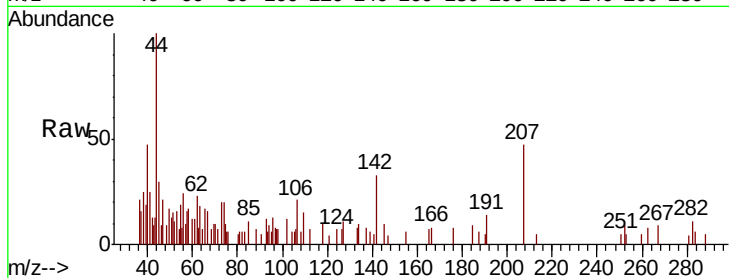




#10
Methvl Iodide
Concen: 5.437 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018169.D
Acq: 01 Sep 2020 00:38

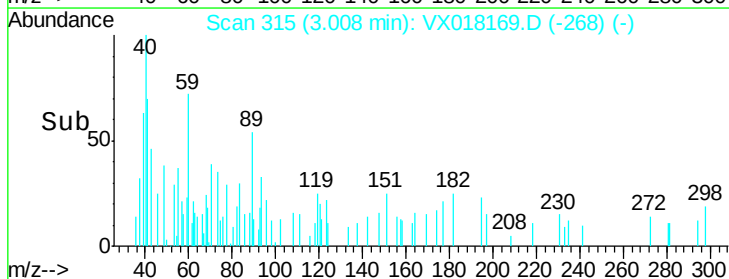
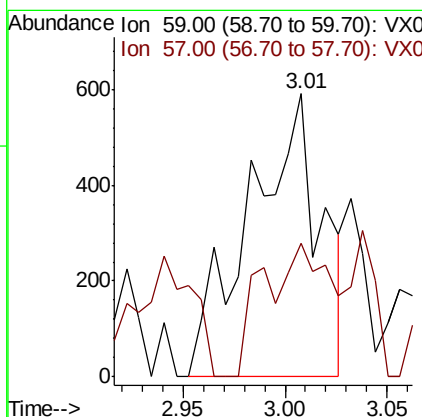
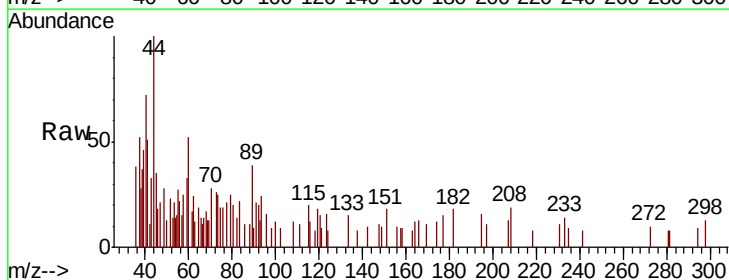
Instrument :
MSVOA_X
ClientSampleId :
TR-08-082820

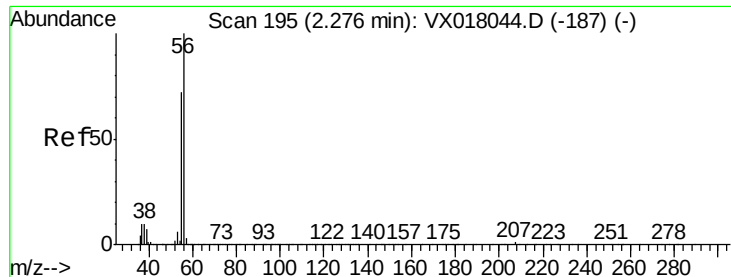
Tot Ion:142 Resp: 788
Ion Ratio Lower Upper
142 100
127 55.6 37.0 55.6#
141 6.7 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.141 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018169.D
Acq: 01 Sep 2020 00:38

Tgt Ion: 59 Resp: 1432
Ion Ratio Lower Upper
59 100
57 28.5 8.9 13.3#





#13

Acrolein

Concen: 0.294 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.02 min

Lab File: VX018169.D

Acq: 01 Sep 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

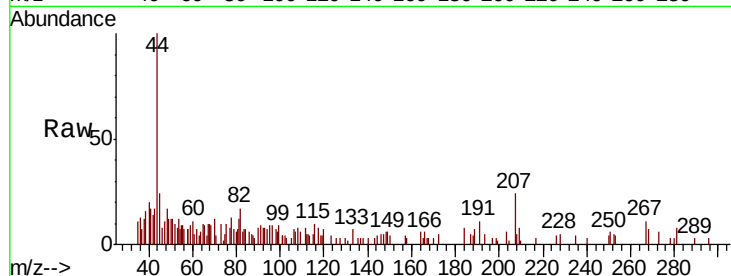
TR-08-082820

Tot Ion: 56 Resp: 153

Ion Ratio Lower Upper

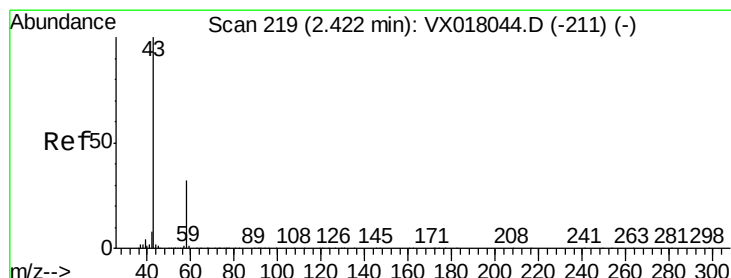
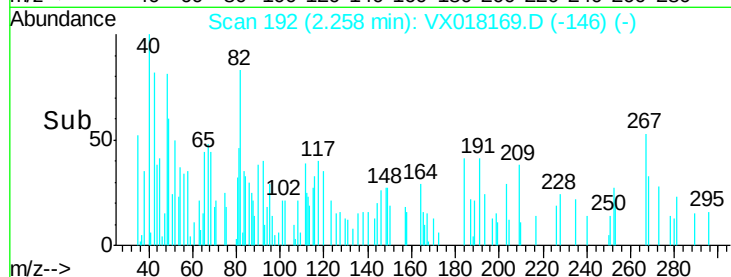
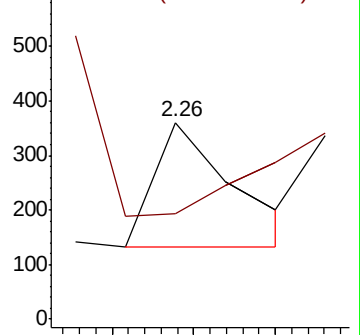
56 100

55 268.6 57.0 85.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 4.789 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018169.D

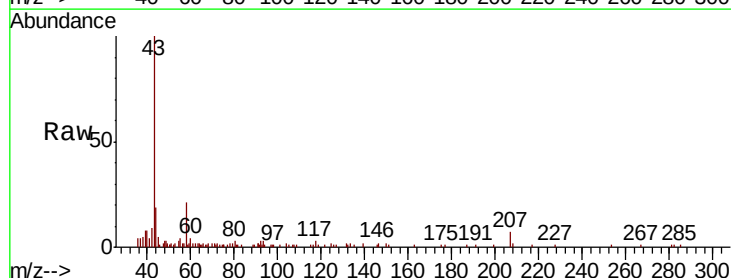
Acq: 01 Sep 2020 00:38

Tgt Ion: 43 Resp: 12043

Ion Ratio Lower Upper

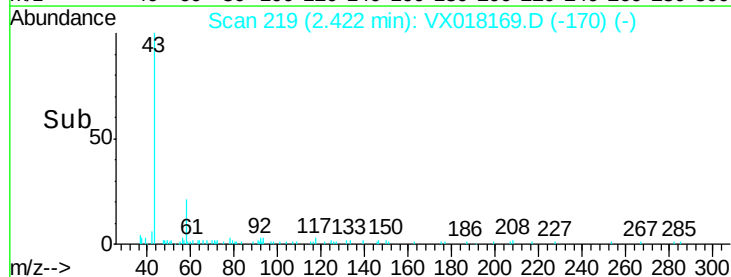
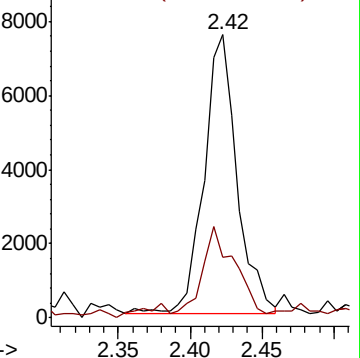
43 100

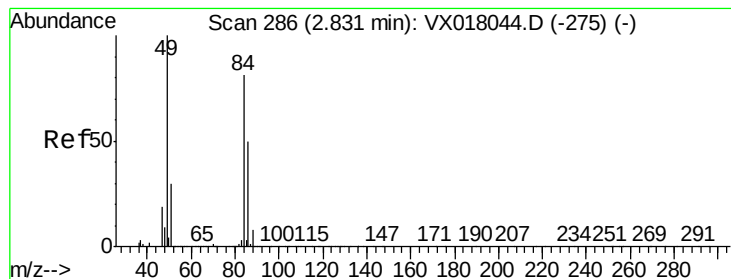
58 19.7 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methvlene Chloride

Concen: 1.354 ug/l

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX018169.D

Acq: 01 Sep 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

TR-08-082820

Tot Ion: 84 Resp: 12807

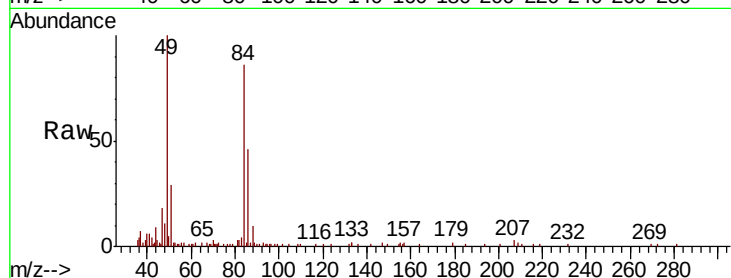
Ion Ratio Lower Upper

84 100

49 114.4 98.6 148.0

51 32.5 29.6 44.4

86 54.1 49.8 74.6

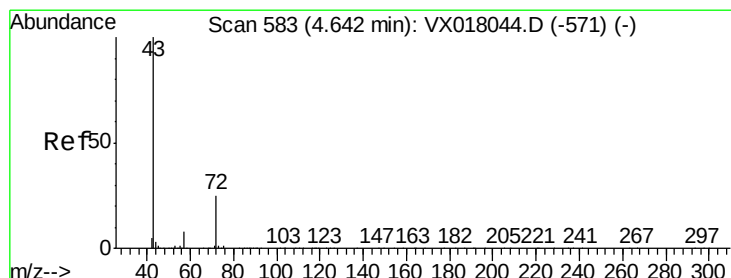
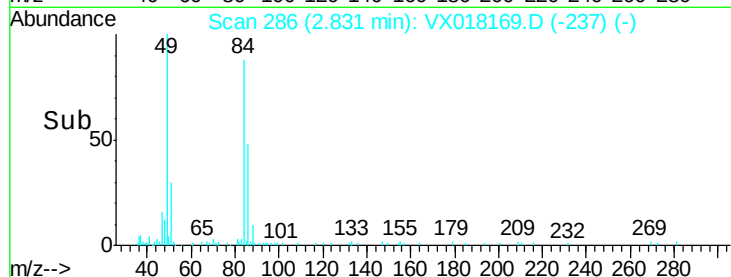
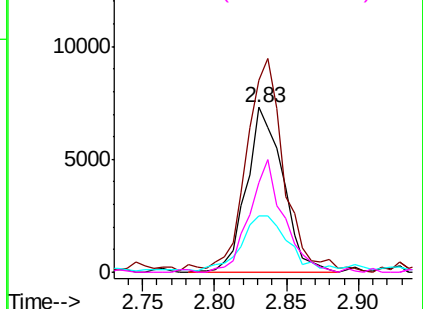


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.034 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX018169.D

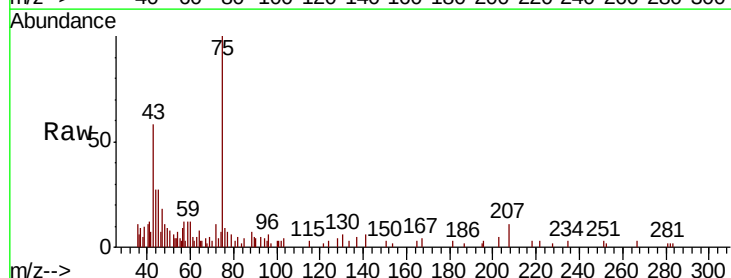
Acq: 01 Sep 2020 00:38

Tgt Ion: 43 Resp: 4272

Ion Ratio Lower Upper

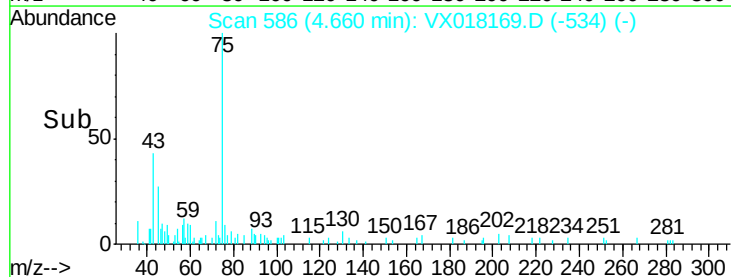
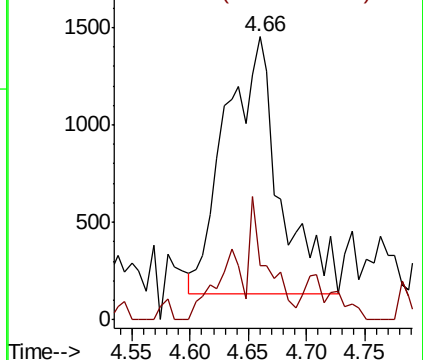
43 100

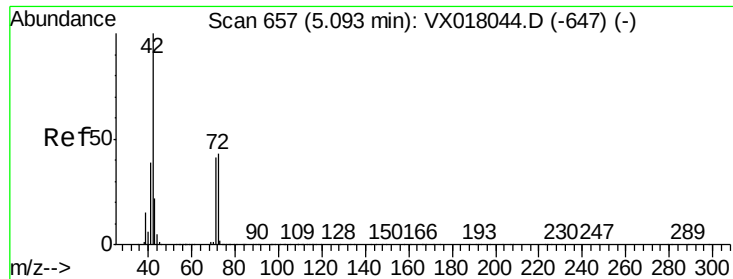
72 21.2 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

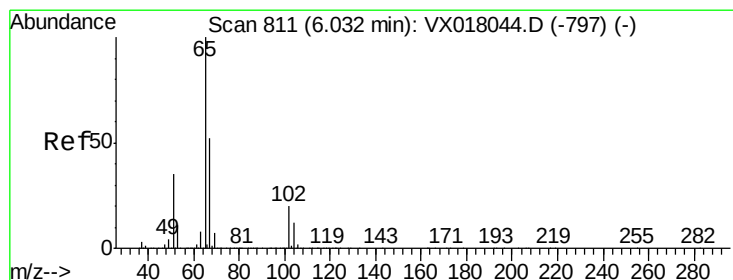
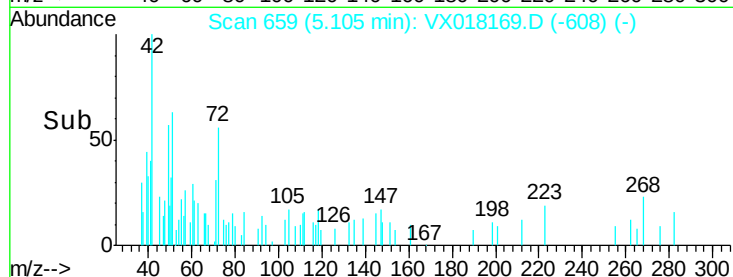
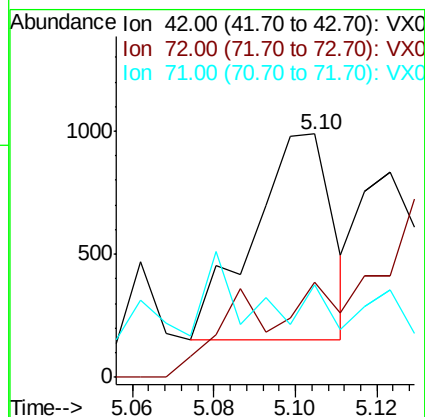
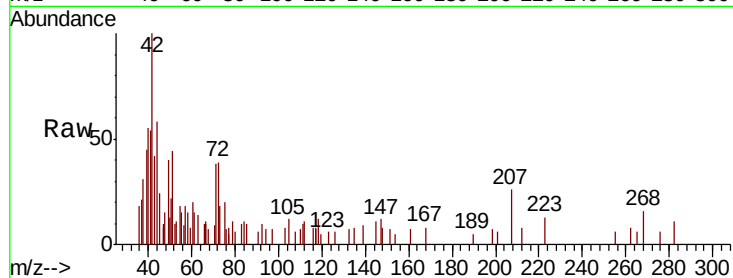




#29
Tetrahydrofuran
Concen: 0.434 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX018169.D
Acq: 01 Sep 2020 00:38

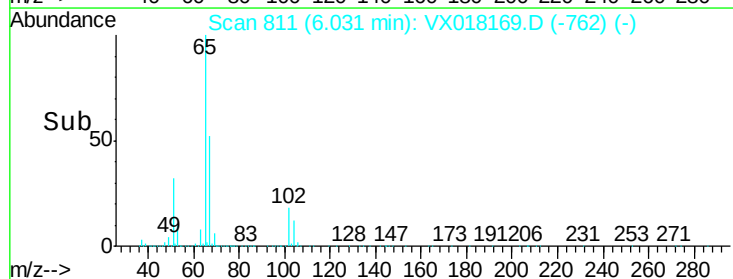
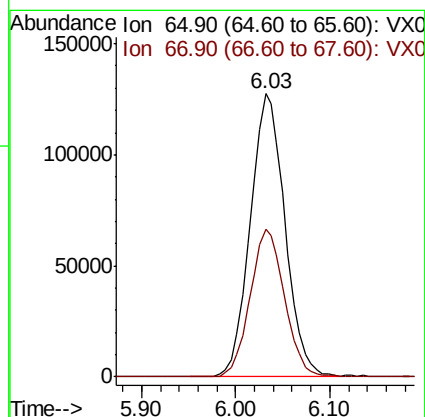
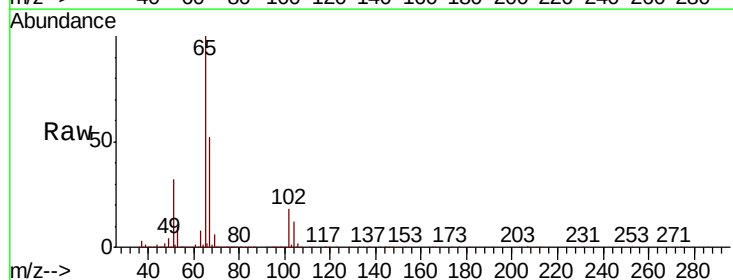
Instrument :
MSVOA_X
ClientSampled :
TR-08-082820

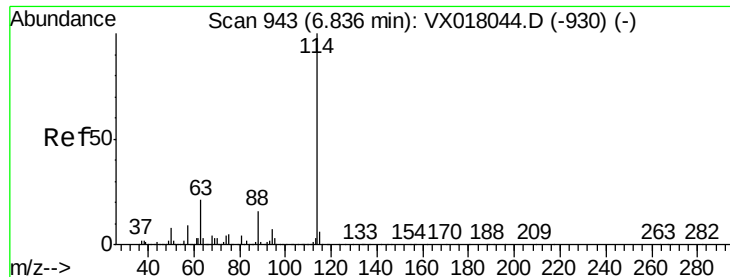
Tot Ion: 42 Resp: 1141
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.1 48.1#



#33
1,2-Dichloroethane-d4
Concen: 51.027 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018169.D
Acq: 01 Sep 2020 00:38

Tgt Ion: 65 Resp: 329339
Ion Ratio Lower Upper
65 100
67 51.6 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: VX018169.D

Acq: 01 Sep 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

TR-08-082820

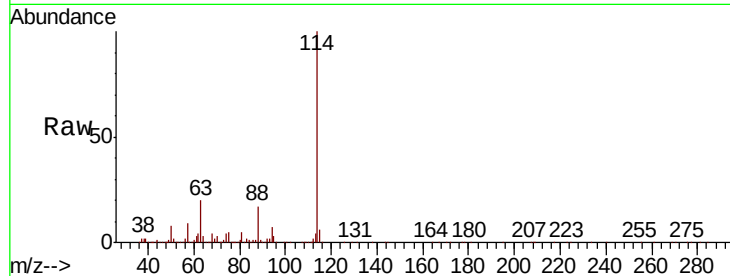
Tot Ion:114 Resp: 754313

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

88 16.7 0.0 31.8



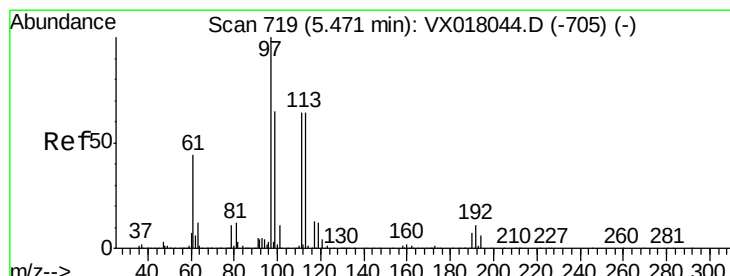
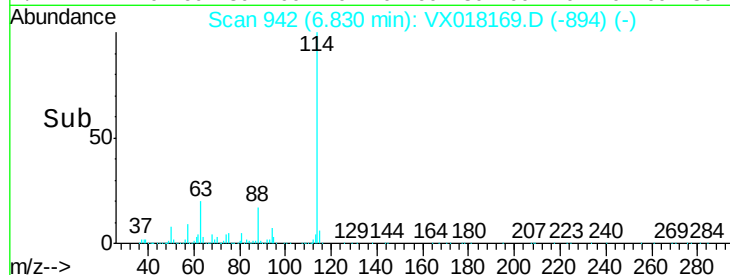
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83

Time-->



#35

Dibromofluoromethane

Concen: 50.061 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018169.D

Acq: 01 Sep 2020 00:38

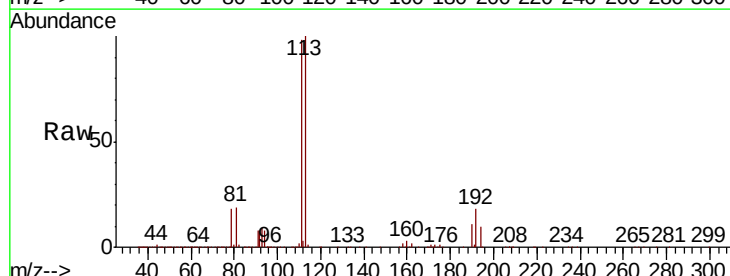
Tgt Ion:113 Resp: 257176

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

192 19.2 15.8 23.8



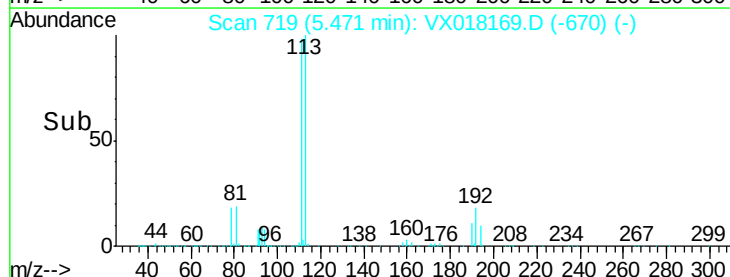
Abundance Ion 112.80 (112.50 to 113.50): V

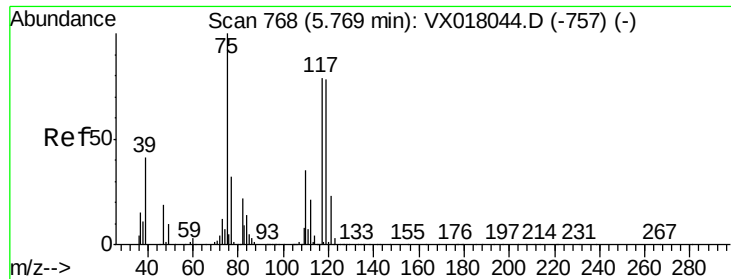
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

5.47

Time-->

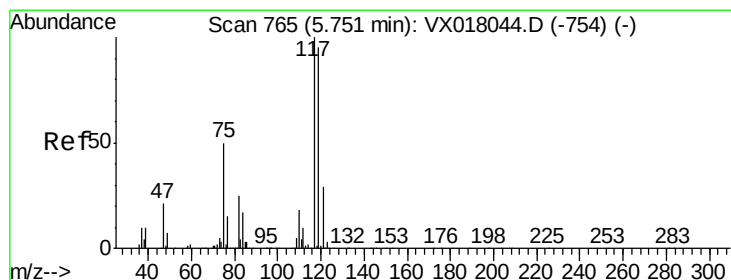
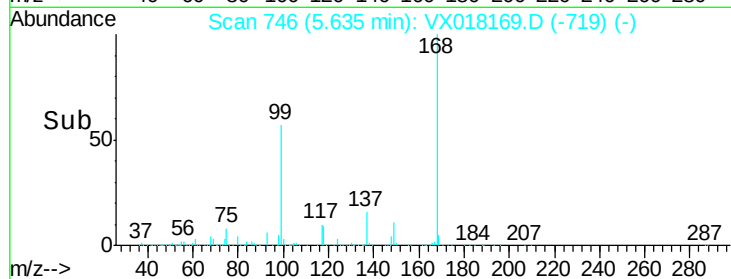
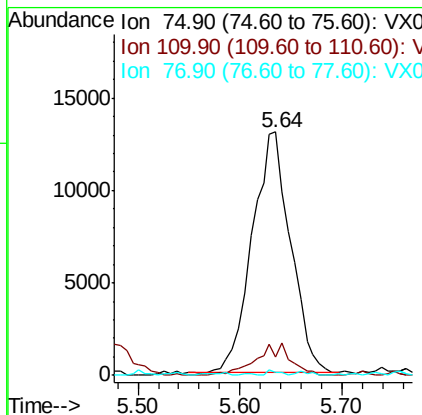
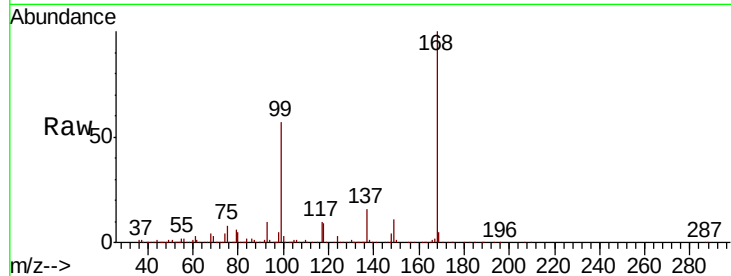




#36
 1,1-Dichloropropene
 Concen: 4.886 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018169.D
 Acq: 01 Sep 2020 00:38

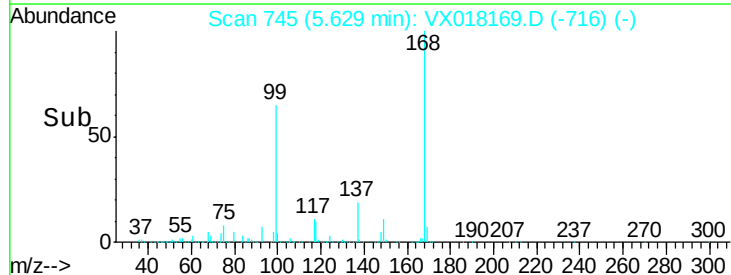
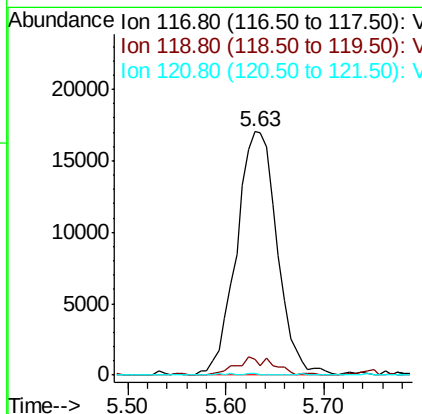
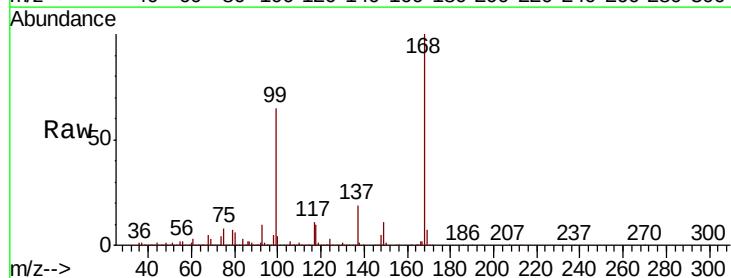
Instrument :
 MSVOA_X
 ClientSampleId :
 TR-08-082820

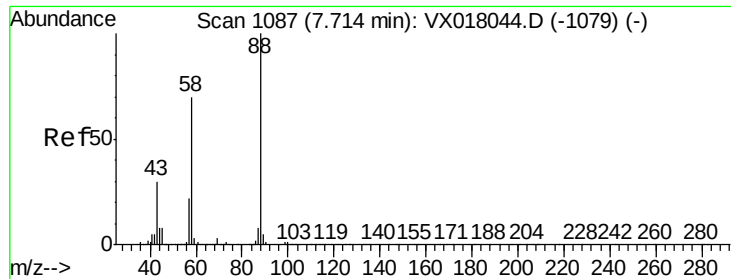
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.8	18.0	54.0#
77	0.7	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.251 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018169.D
 Acq: 01 Sep 2020 00:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	75.8	113.6#
121	0.5	23.4	35.0#





#49

1,4-Dioxane

Concen: 1.190 ug/l

RT: 7.70 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VX018169.D

Acq: 01 Sep 2020 00:38

Instrument :

MSVOA_X

ClientSampled :

TR-08-082820

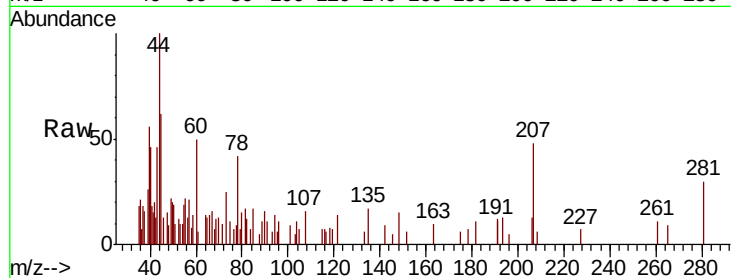
Tot Ion: 88 Resp: 140

Ion Ratio Lower Upper

88 100

43 189.3 27.4 41.0#

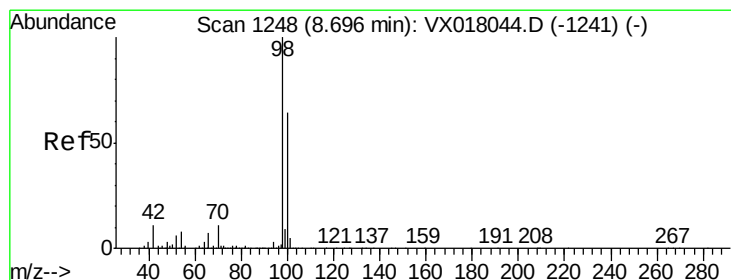
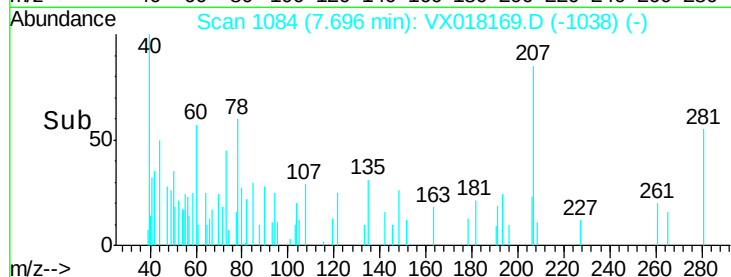
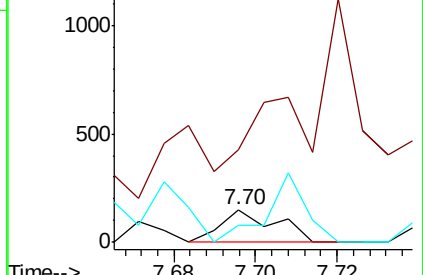
58 0.0 56.4 84.6#



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: 47.731 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018169.D

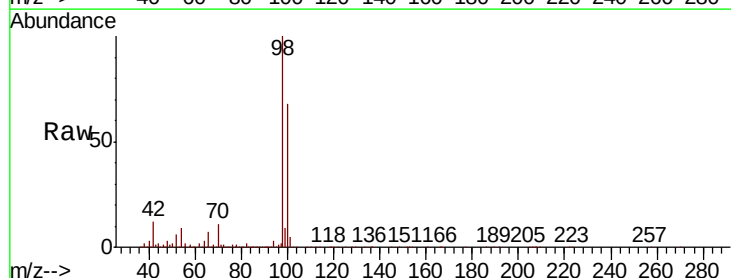
Acq: 01 Sep 2020 00:38

Tgt Ion: 98 Resp: 913284

Ion Ratio Lower Upper

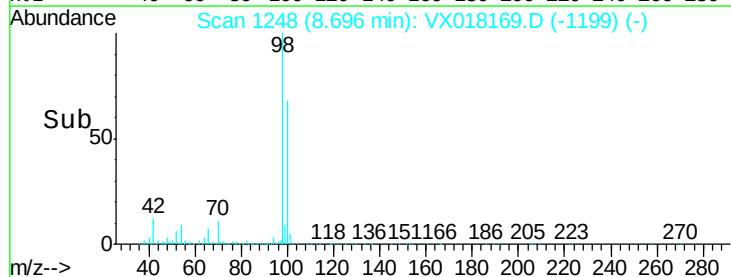
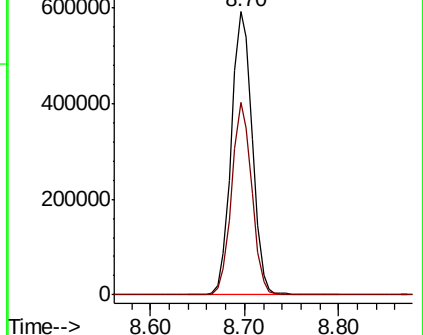
98 100

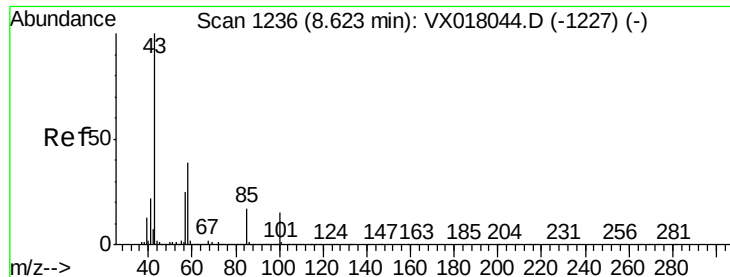
100 65.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

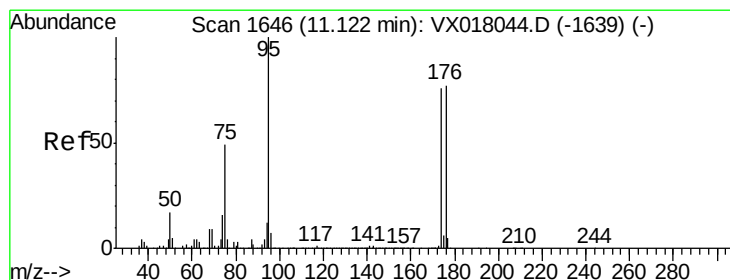
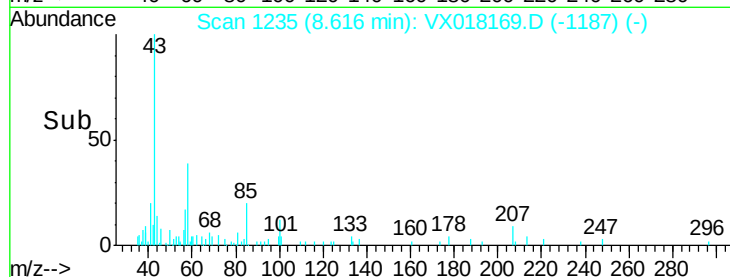
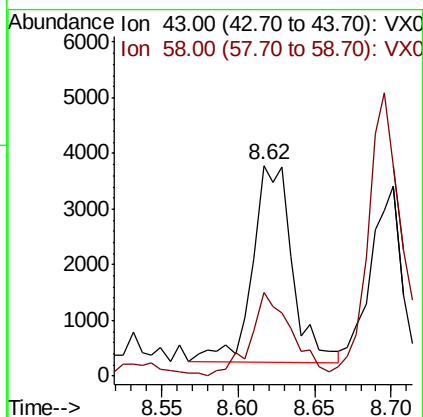
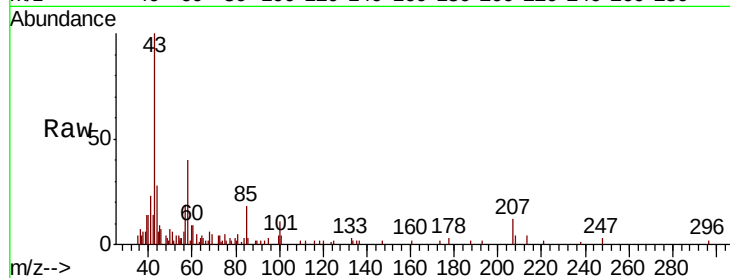




#51
4-Methyl-2-Pentanone
Concen: 0.797 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX018169.D
Acq: 01 Sep 2020 00:38

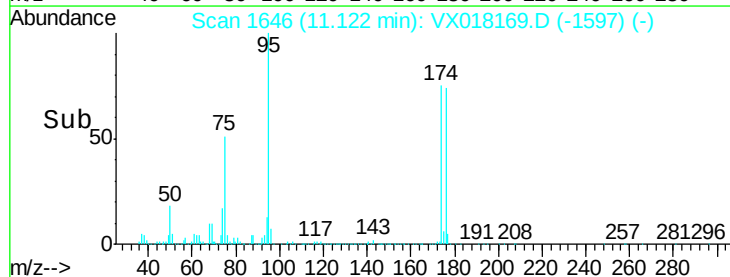
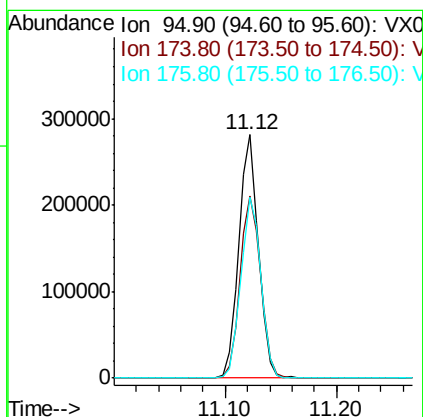
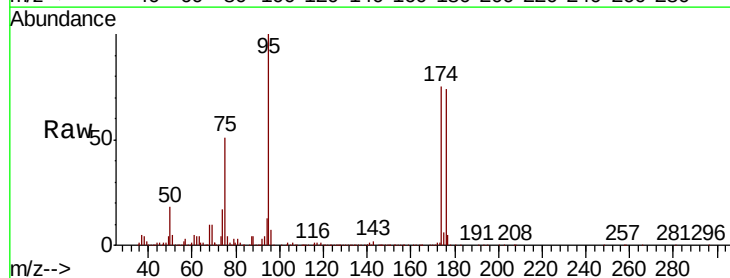
Instrument :
MSVOA_X
ClientSampleId :
TR-08-082820

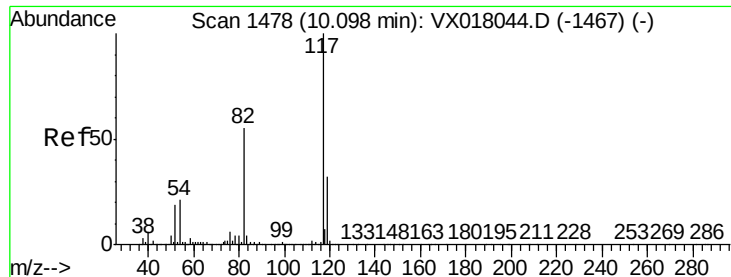
Tot Ion: 43 Resp: 6426
Ion Ratio Lower Upper
43 100
58 43.8 30.7 46.1



#62
4-Bromofluorobenzene
Concen: 45.525 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018169.D
Acq: 01 Sep 2020 00:38

Tgt Ion: 95 Resp: 342717
Ion Ratio Lower Upper
95 100
174 78.1 0.0 160.2
176 75.8 0.0 155.8

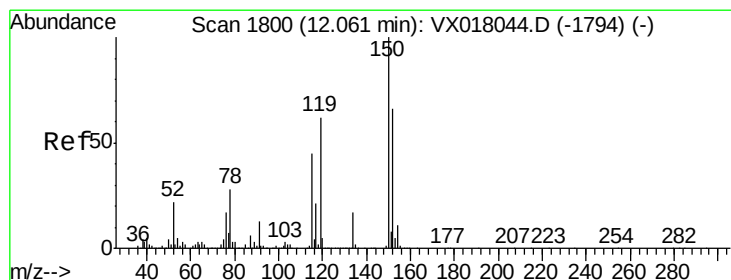
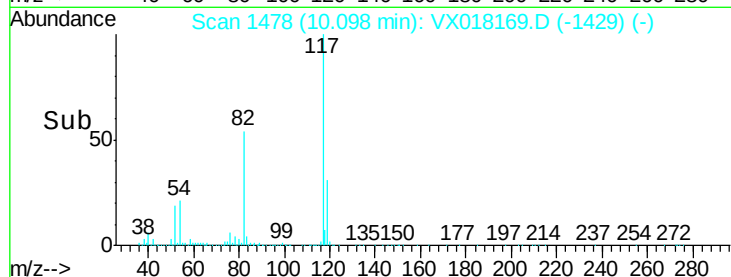
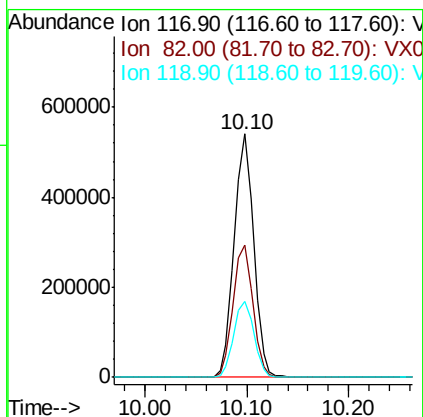
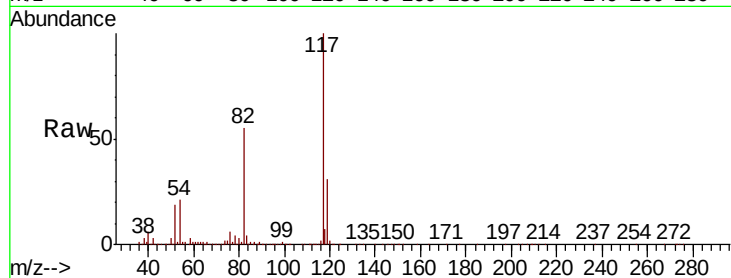




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018169.D
Acq: 01 Sep 2020 00:38

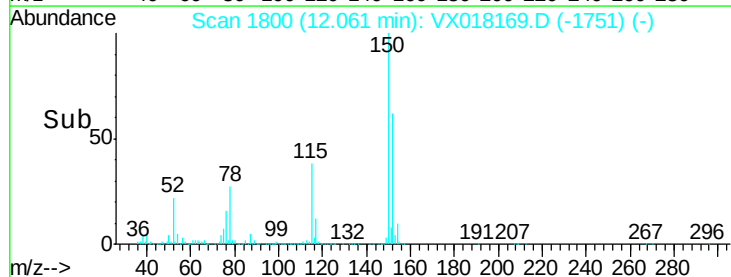
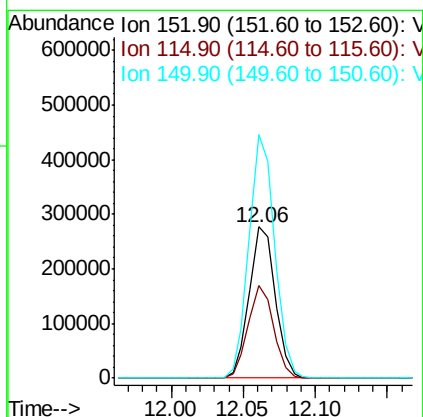
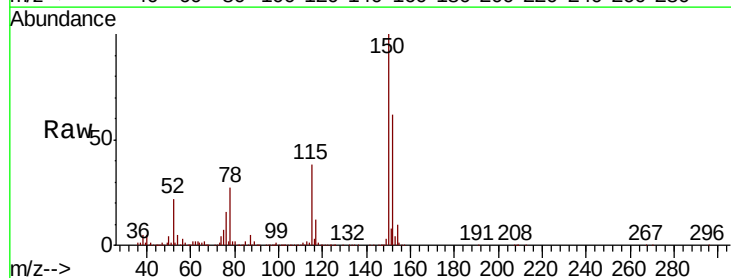
Instrument :
MSVOA_X
ClientSampleId :
TR-08-082820

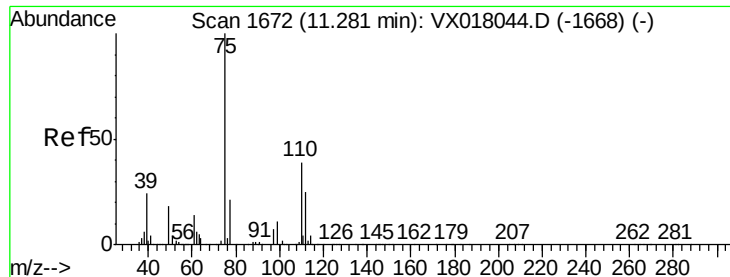
Tot Ion:117 Resp: 714762
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 31.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018169.D
Acq: 01 Sep 2020 00:38

Tgt Ion:152 Resp: 346518
Ion Ratio Lower Upper
152 100
115 59.7 41.5 124.5
150 158.5 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 22.772 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018169.D

Acq: 01 Sep 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

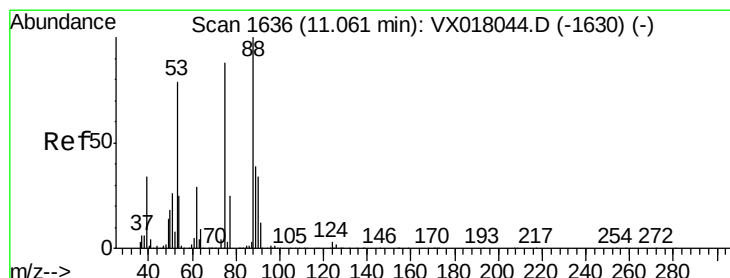
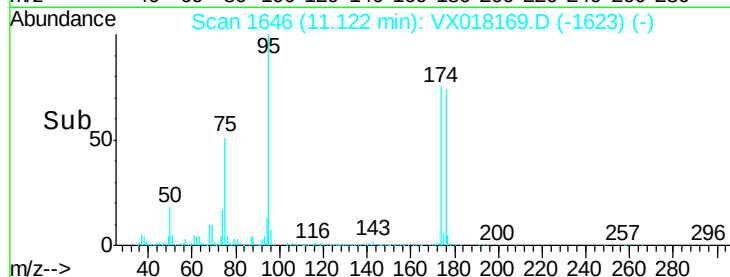
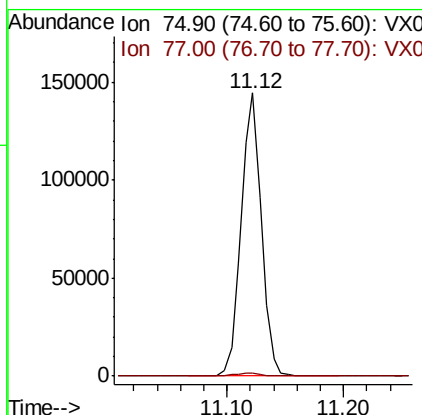
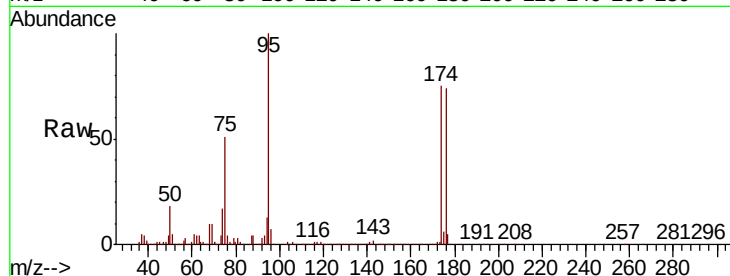
TR-08-082820

Tot Ion: 75 Resp: 175533

Ion Ratio Lower Upper

75 100

77 1.5 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.502 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018169.D

Acq: 01 Sep 2020 00:38

Tgt Ion: 75 Resp: 175533

Ion Ratio Lower Upper

75 100

53 0.6 74.7 112.1#

89 0.1 36.6 54.8#

