

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100920\
 Data File : VX018880.D
 Acq On : 10 Oct 2020 02:04
 Operator : JC/SP
 Sample : L4303-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20201006

Quant Time: Oct 10 06:27:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100920W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 06:09:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	204178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	327158	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	325413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	159753	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	158460	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
35) Dibromofluoromethane	5.46	113	118695	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	8.70	98	398666	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.12	95	154316	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	

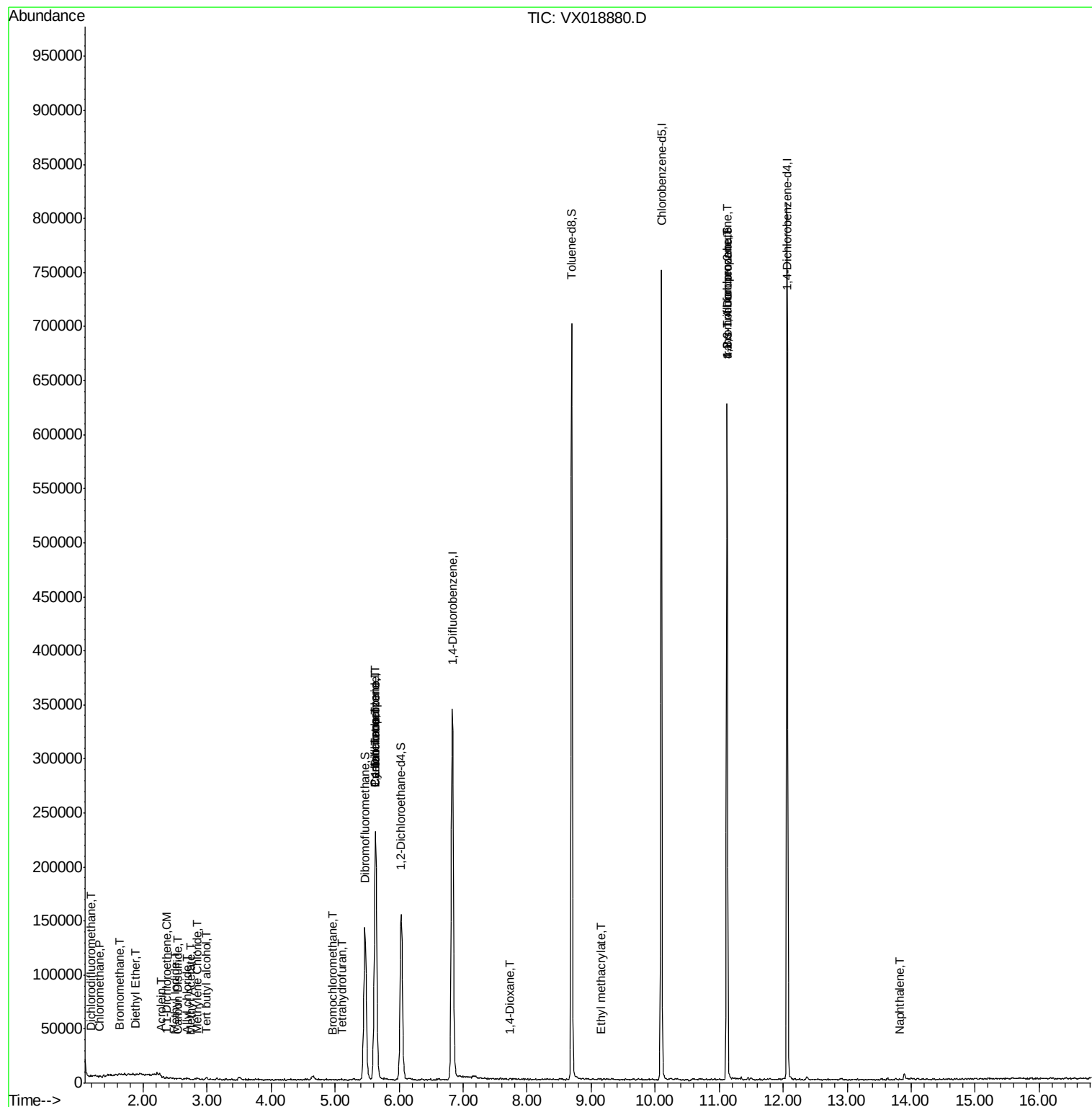
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	144	1.677	ug/l #	71
3) Chloromethane	1.31	50	574	0.300	ug/l	91
5) Bromomethane	1.64	94	363	0.305	ug/l #	53
8) Diethyl Ether	1.89	74	180	1.180	ug/l	70
10) Methyl Iodide	2.50	142	365	4.149	ug/l #	79
11) Tert butyl alcohol	2.99	59	1114	2.349	ug/l	98
12) 1,1-Dichloroethene	2.36	96	96	0.755	ug/l #	1
13) Acrolein	2.28	56	200	0.507	ug/l #	13
14) Allyl chloride	2.68	41	1523	0.445	ug/l #	58
16) Acetone	2.43	43	893	Below Cal	#	81
17) Carbon Disulfide	2.55	76	1113	0.201	ug/l #	64
18) Methyl Acetate	2.75	43	588	0.235	ug/l #	87
20) Methylene Chloride	2.83	84	724	0.838	ug/l #	64
28) Bromochloromethane	4.96	49	174	1.614	ug/l #	8
29) Tetrahydrofuran	5.10	42	286	0.327	ug/l #	51
31) Cyclohexane	5.63	56	5607	1.993	ug/l #	35
36) 1,1-Dichloropropene	5.62	75	16794	4.882	ug/l #	53
38) Carbon Tetrachloride	5.62	117	21873	5.130	ug/l #	17
49) 1,4-Dioxane	7.73	88	191	4.863	ug/l #	32
56) Ethyl methacrylate	9.15	69	29	2.942	ug/l #	1
64) Tetrachloroethene	9.31	164	99	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.12	75	84299	24.490	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	84299	69.404	ug/l #	8
95) Naphthalene	13.82	128	331	3.106	ug/l #	63

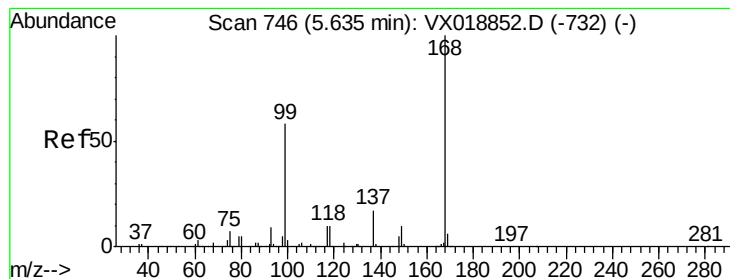
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100920\
Data File : VX018880.D
Acq On : 10 Oct 2020 02:04
Operator : JC/SP
Sample : L4303-20
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TB01-20201006

Quant Time: Oct 10 06:27:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100920W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 10 06:09:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX018880.D

Acq: 10 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampleId :

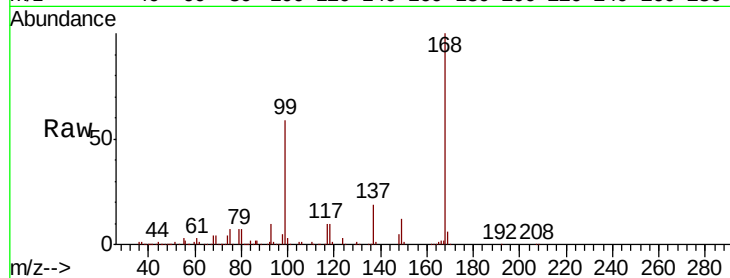
TB01-20201006

Tot Ion:168 Resp: 204178

Ion Ratio Lower Upper

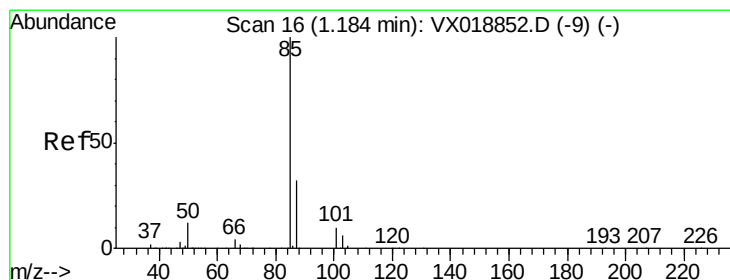
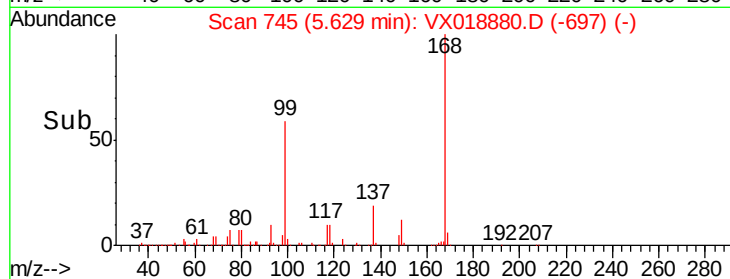
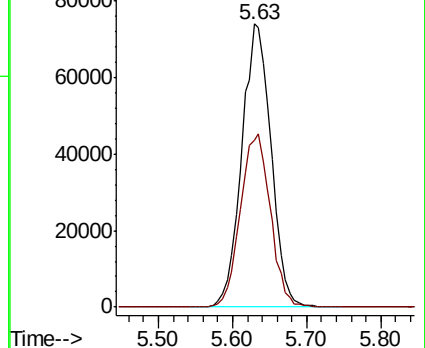
168 100

99 58.9 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.677 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018880.D

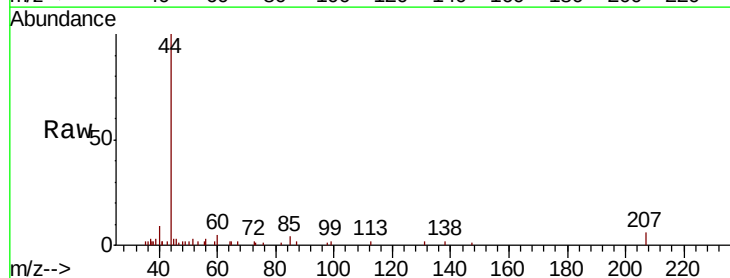
Acq: 10 Oct 2020 02:04

Tgt Ion: 85 Resp: 144

Ion Ratio Lower Upper

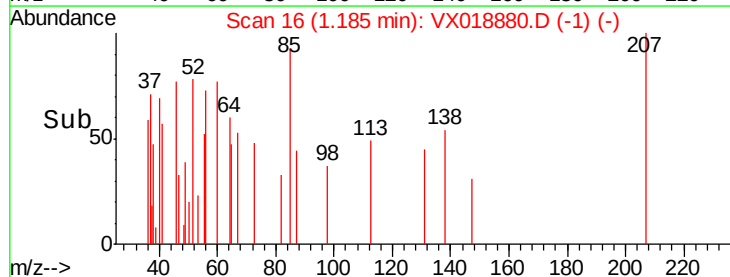
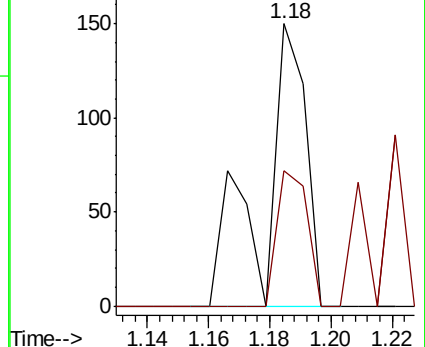
85 100

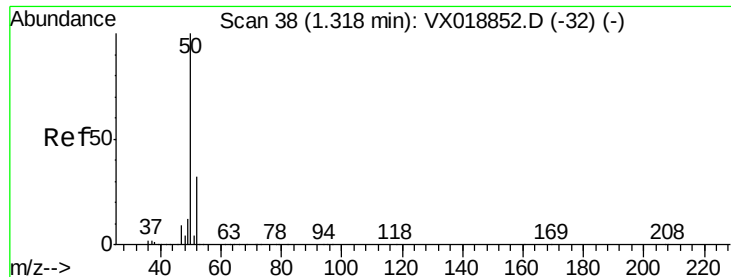
87 48.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.300 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX018880.D

Acq: 10 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampleId :

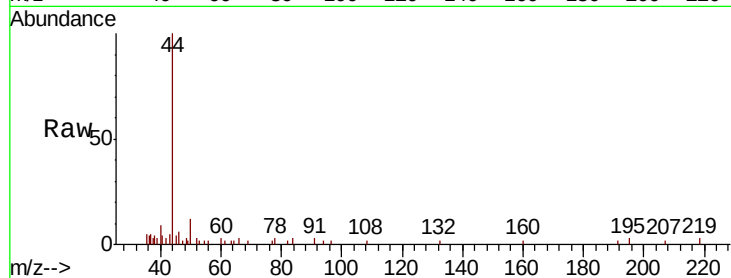
TB01-20201006

Tot Ion: 50 Resp: 574

Ion Ratio Lower Upper

50 100

52 26.4 25.2 37.8

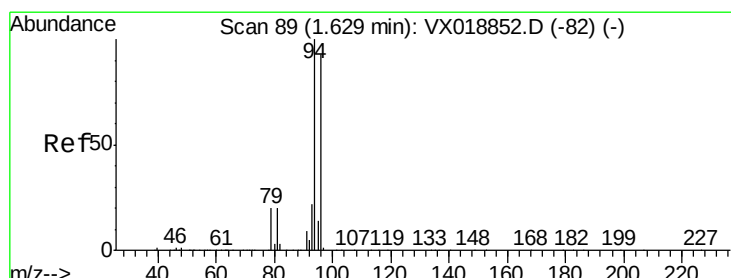
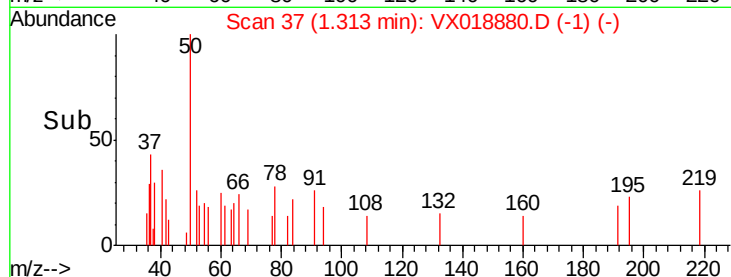


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

Time-->



#5

Bromomethane

Concen: 0.305 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018880.D

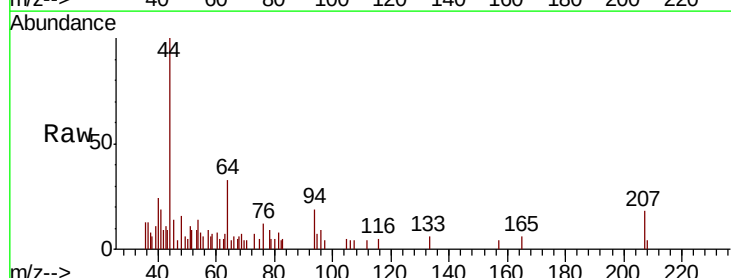
Acq: 10 Oct 2020 02:04

Tgt Ion: 94 Resp: 363

Ion Ratio Lower Upper

94 100

96 48.4 74.5 111.7#

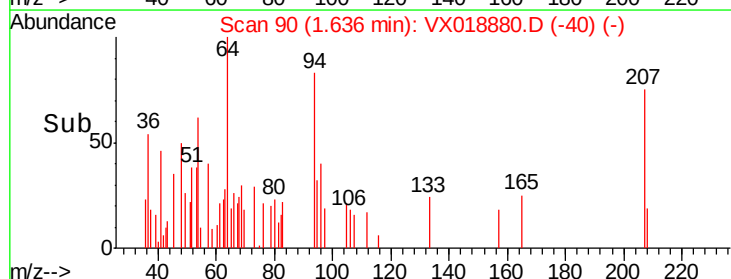


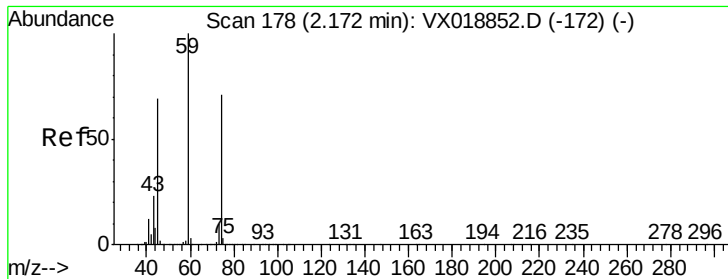
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

Time-->





#8

Diethyl Ether

Concen: 1.180 ug/l

RT: 1.89 min Scan# 131

Delta R.T. -0.29 min

Lab File: VX018880.D

Acq: 10 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampled :

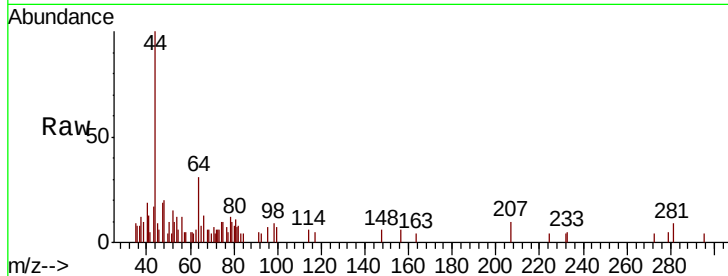
TB01-20201006

Tot Ion: 74 Resp: 180

Ion Ratio Lower Upper

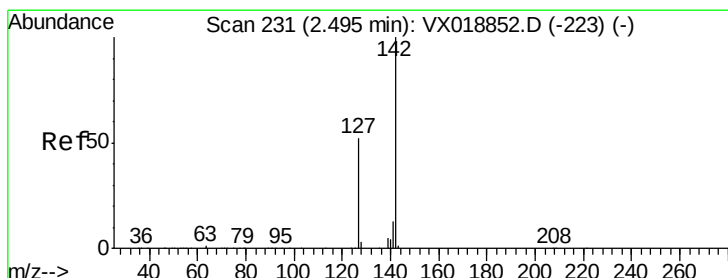
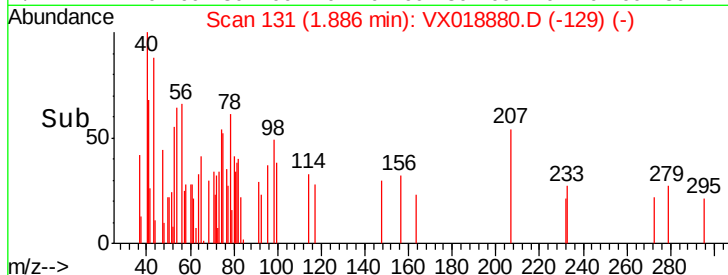
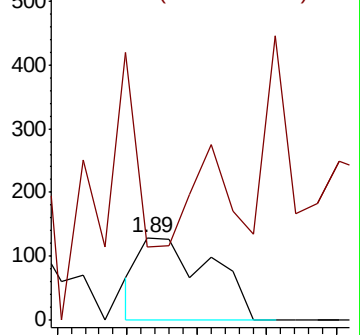
74 100

45 65.0 47.0 141.2



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 4.149 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX018880.D

Acq: 10 Oct 2020 02:04

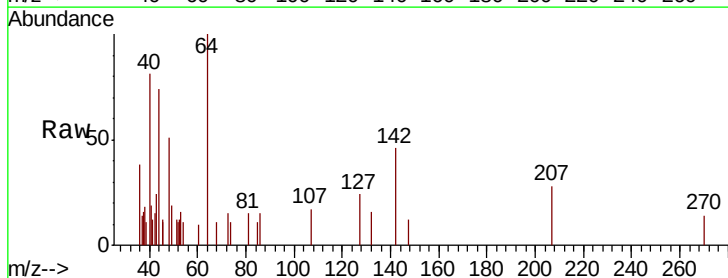
Tgt Ion: 142 Resp: 365

Ion Ratio Lower Upper

142 100

127 40.5 42.0 63.0#

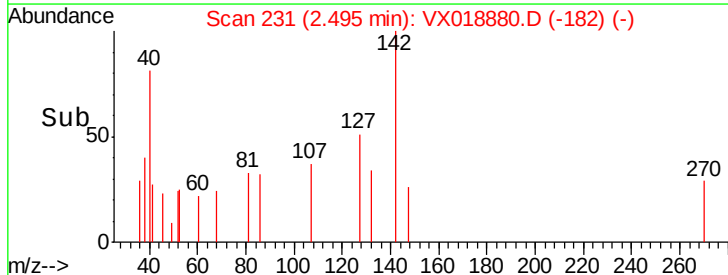
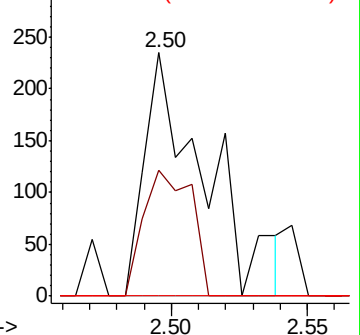
141 0.0 11.8 17.6#

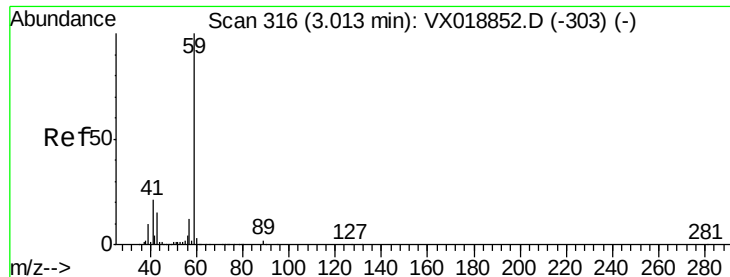


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



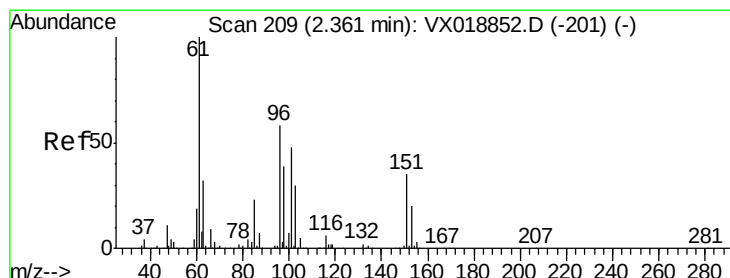
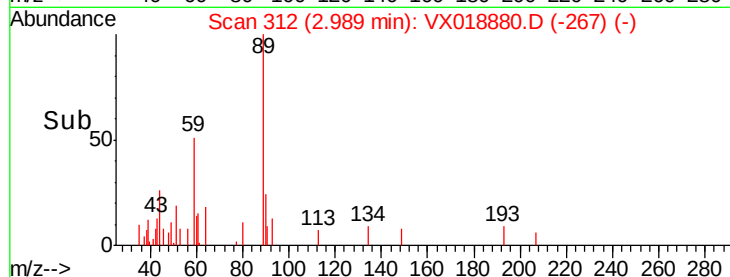
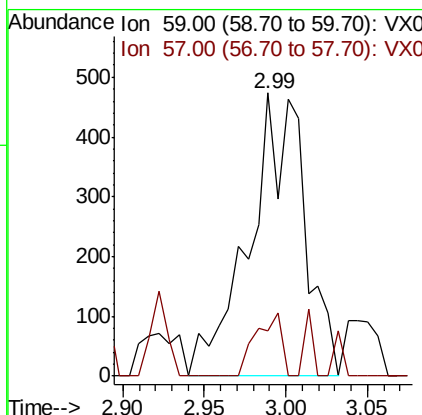
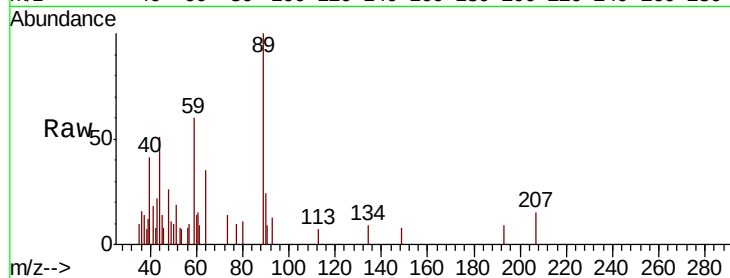


#11

Tert butyl alcohol
Concen: 2.349 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

Instrument :
MSVOA_X
ClientSampled :
TB01-20201006

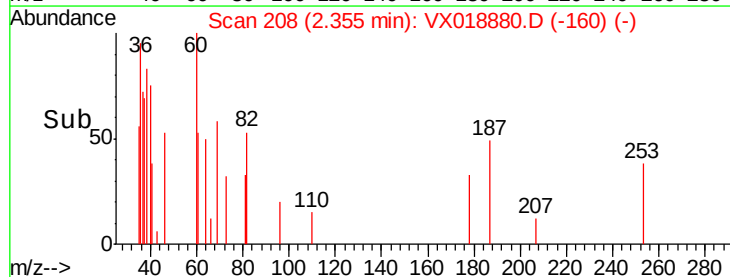
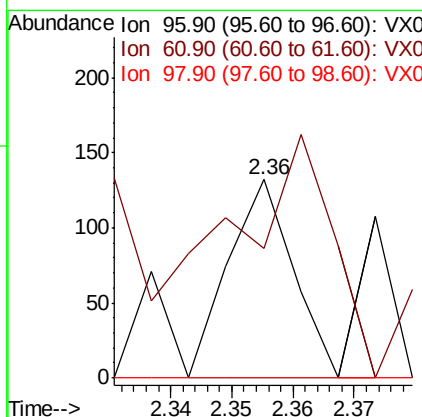
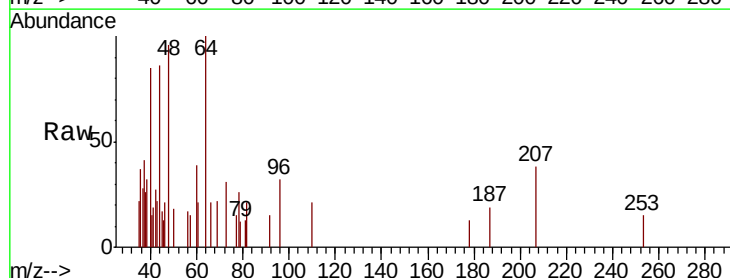
Tot Ion: 59 Resp: 1114
Ion Ratio Lower Upper
59 100
57 10.4 9.0 13.6

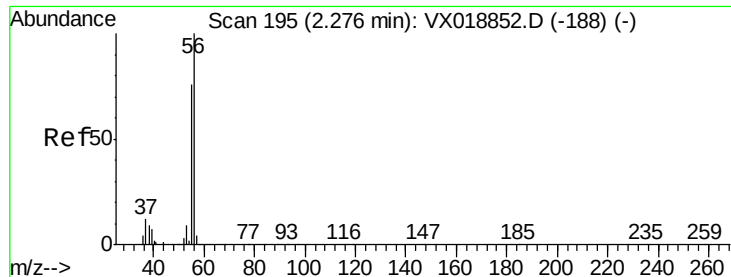


#12

1,1-Dichloroethene
Concen: 0.755 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

Tgt Ion: 96 Resp: 96
Ion Ratio Lower Upper
96 100
61 2.3 137.0 205.6#
98 0.0 53.9 80.9#





#13

Acrolein

Concen: 0.507 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX018880.D

Acq: 10 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampleId :

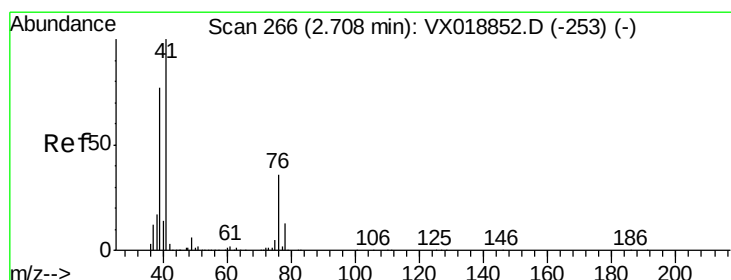
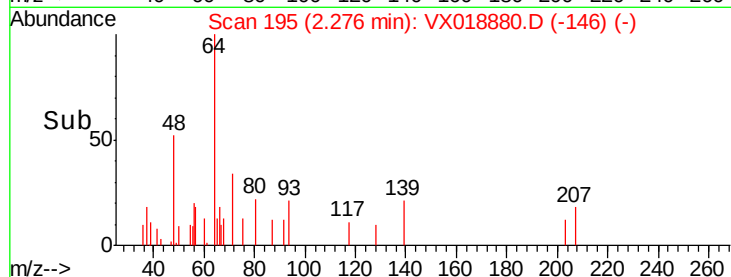
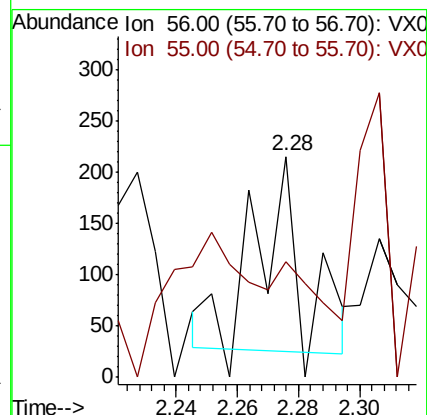
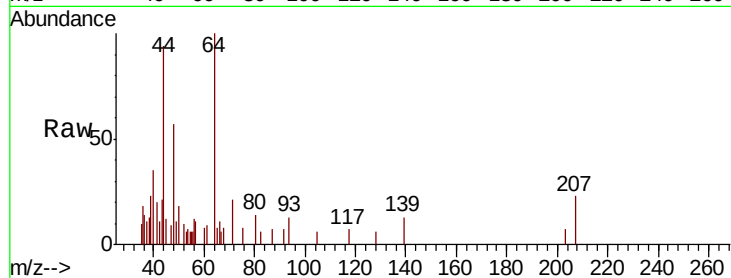
TB01-20201006

Tot Ion: 56 Resp: 200

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#



#14

Allyl chloride

Concen: 0.445 ug/l

RT: 2.68 min Scan# 262

Delta R.T. -0.02 min

Lab File: VX018880.D

Acq: 10 Oct 2020 02:04

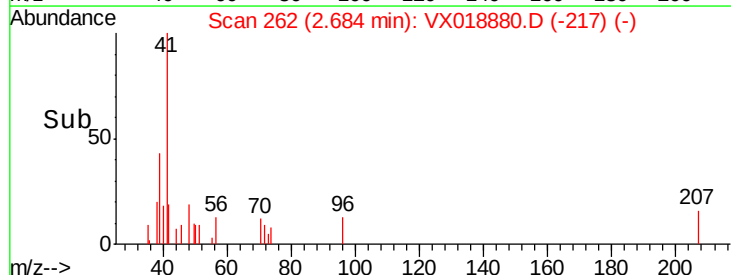
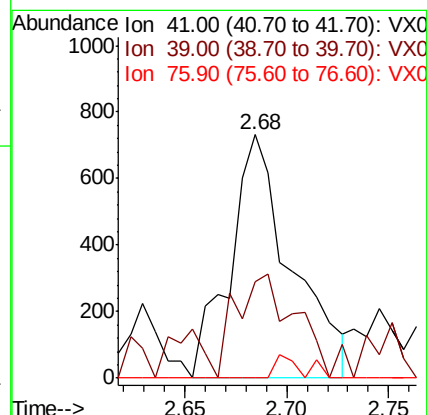
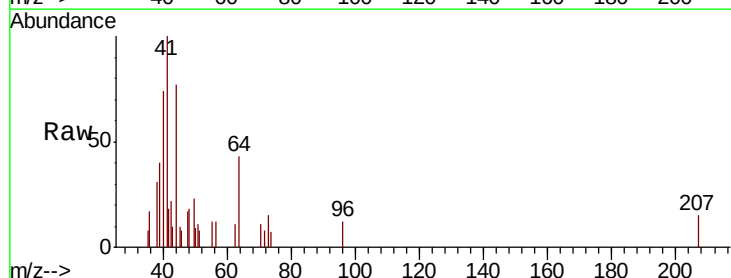
Tgt Ion: 41 Resp: 1523

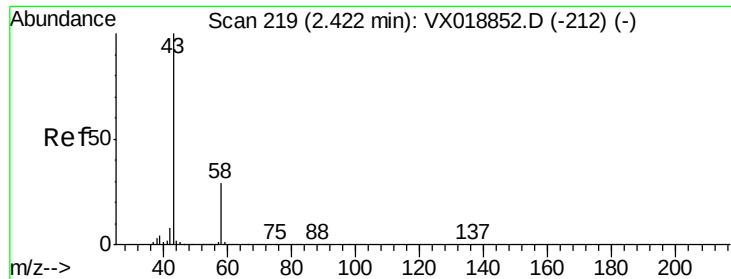
Ion Ratio Lower Upper

41 100

39 41.1 57.8 86.8#

76 4.3 26.8 40.2#

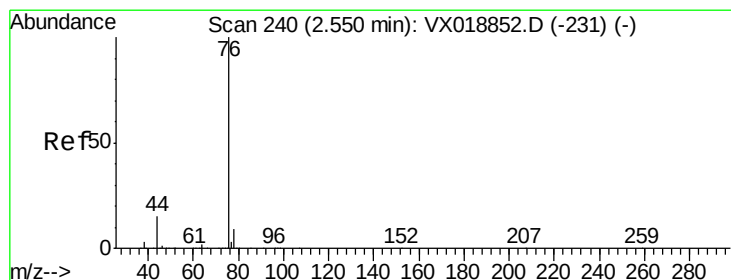
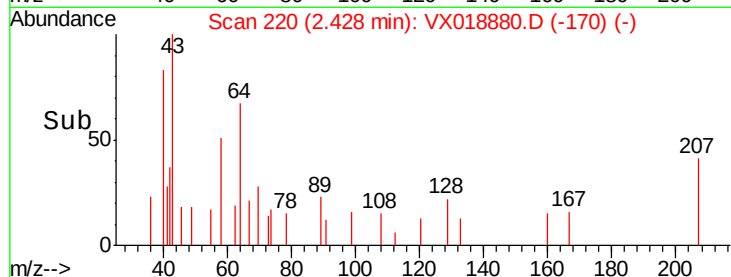
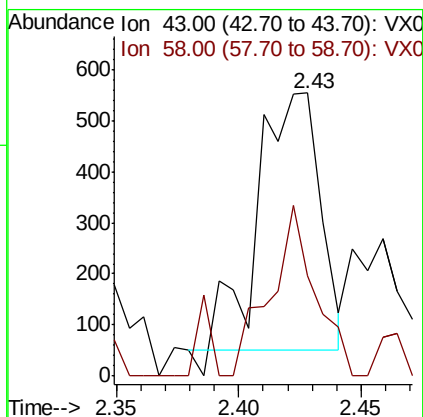
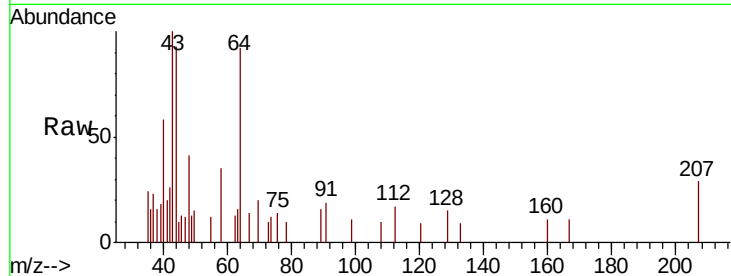




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

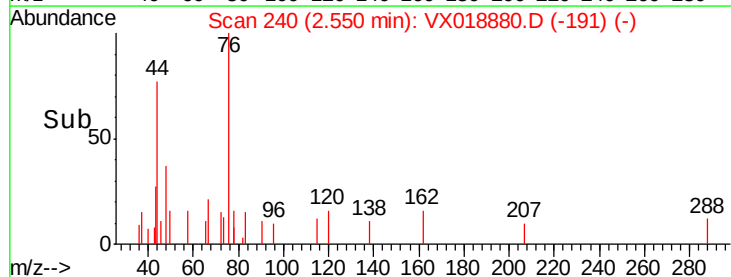
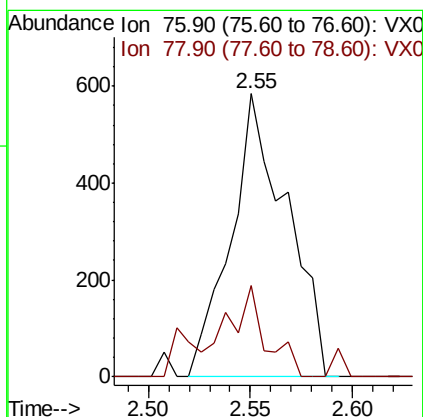
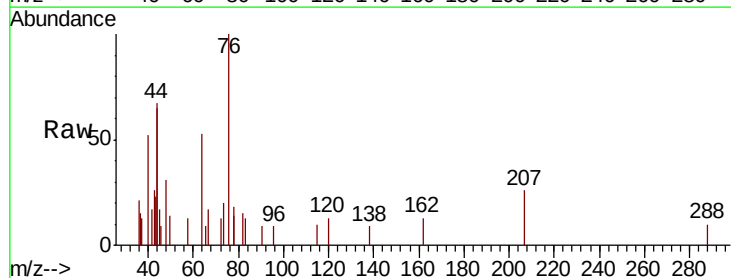
Instrument :
MSVOA_X
ClientSampled :
TB01-20201006

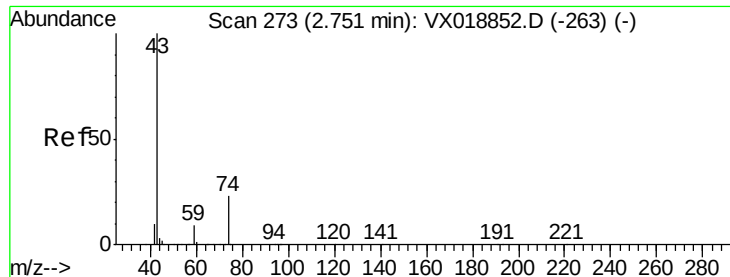
Tot Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
58 39.0 23.0 34.4#



#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

Tgt Ion: 76 Resp: 1113
Ion Ratio Lower Upper
76 100
78 22.1 7.3 10.9#

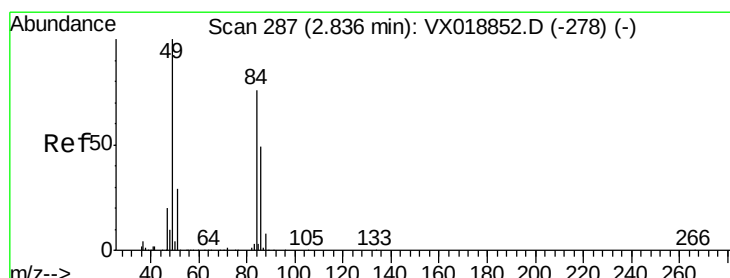
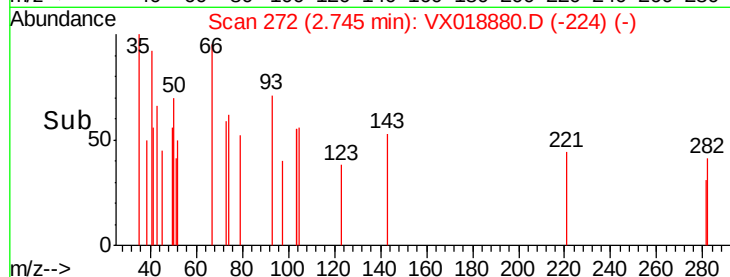
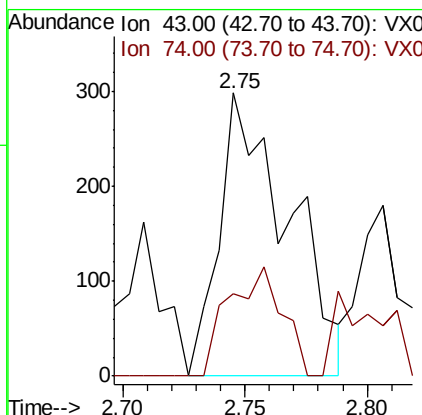
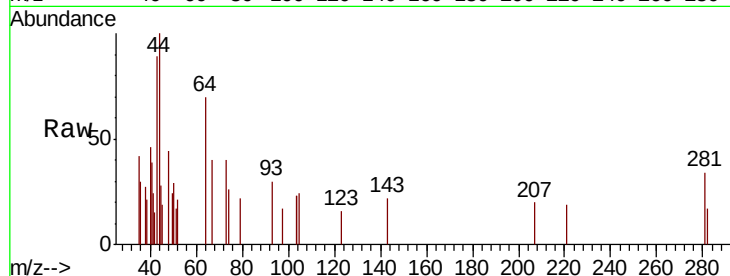




#18
Methyl Acetate
Concen: 0.235 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

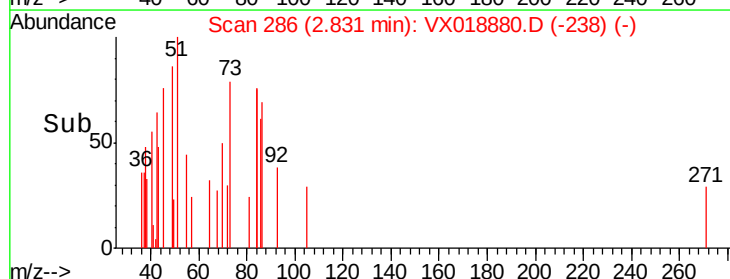
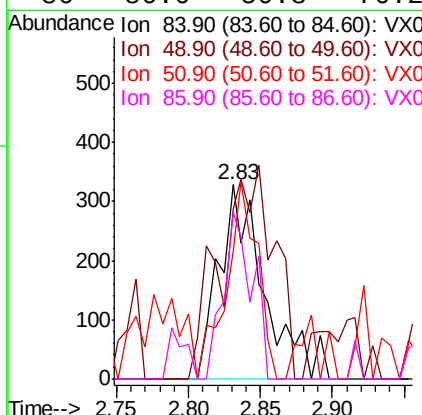
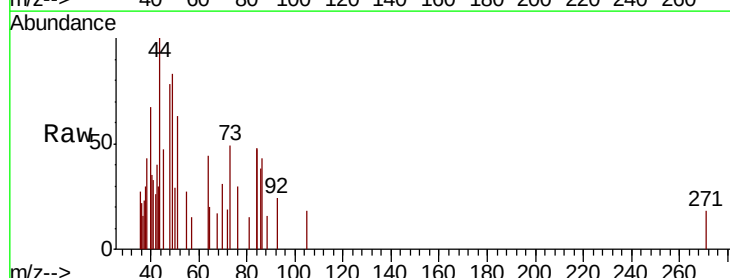
Instrument :
MSVOA_X
ClientSampleId :
TB01-20201006

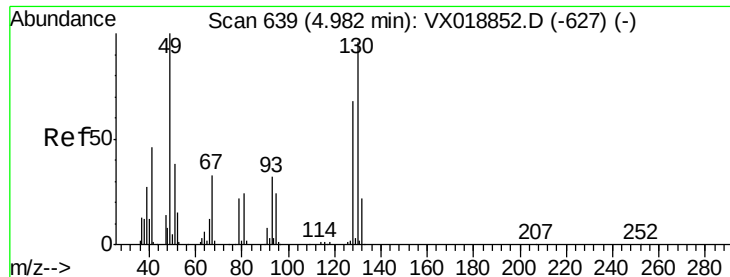
Tot Ion: 43 Resp: 588
Ion Ratio Lower Upper
43 100
74 30.1 18.9 28.3#



#20
Methylene Chloride
Concen: 0.838 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

Tgt Ion: 84 Resp: 724
Ion Ratio Lower Upper
84 100
49 87.5 104.8 157.2#
51 66.2 30.6 46.0#
86 86.0 50.8 76.2#

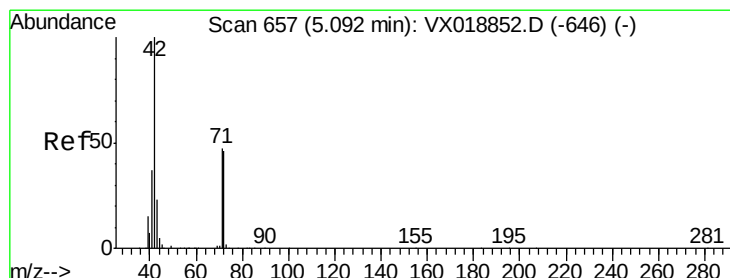
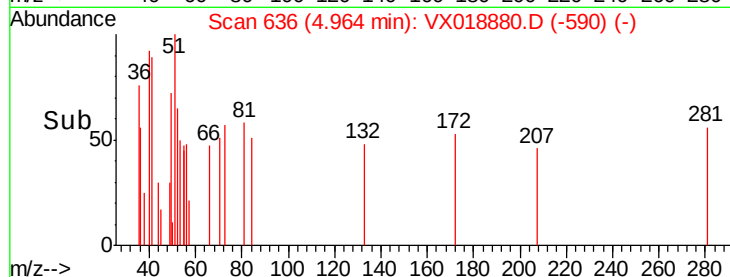
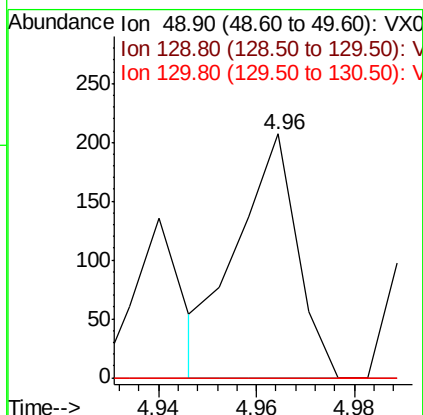
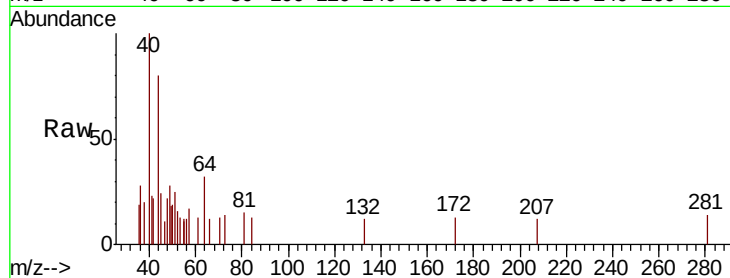




#28
Bromochloromethane
Concen: 1.614 ug/l
RT: 4.96 min Scan# 636
Delta R.T. -0.02 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

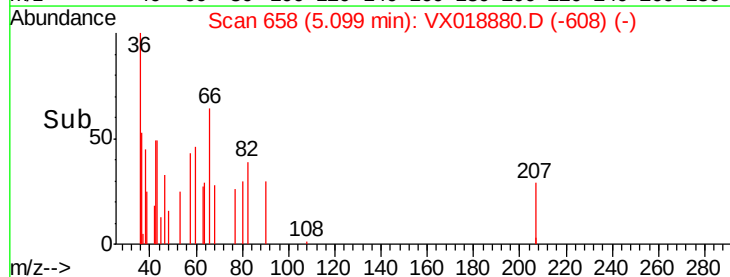
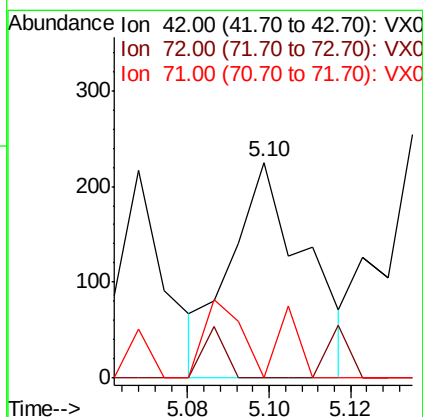
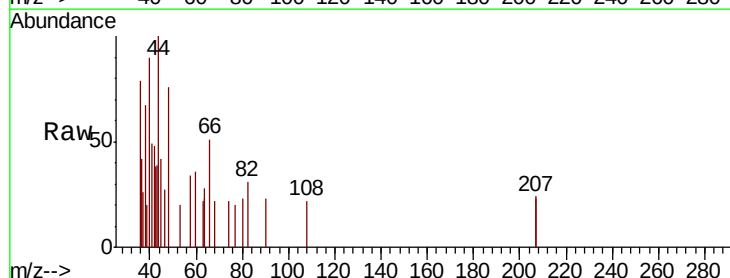
Instrument :
MSVOA_X
ClientSampled :
TB01-20201006

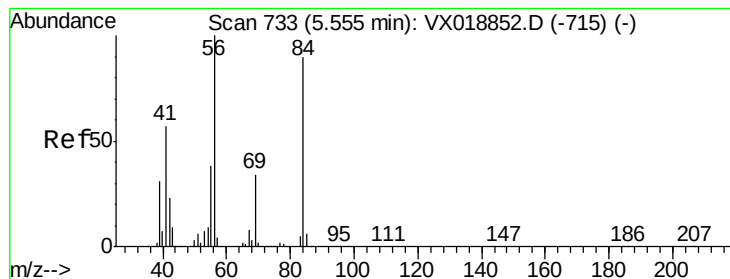
Tot Ion: 49 Resp: 174
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 0.0 71.2 106.8#



#29
Tetrahydrofuran
Concen: 0.327 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

Tgt Ion: 42 Resp: 286
Ion Ratio Lower Upper
42 100
72 7.0 36.4 54.6#
71 18.2 35.2 52.8#





#31

Cyclohexane

Concen: 1.993 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.07 min

Lab File: VX018880.D

Acq: 10 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampleId :

TB01-20201006

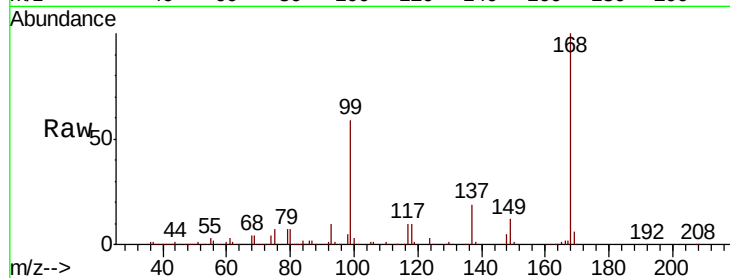
Tot Ion: 56 Resp: 5607

Ion Ratio Lower Upper

56 100

69 163.0 27.1 40.7#

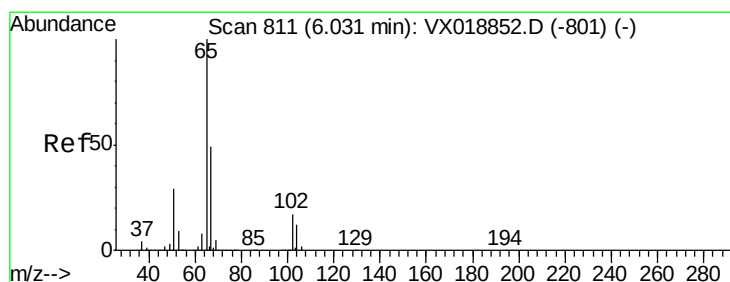
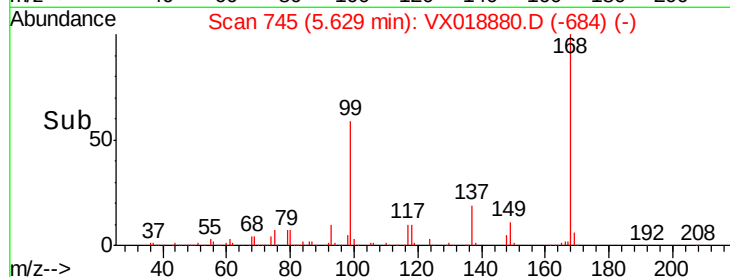
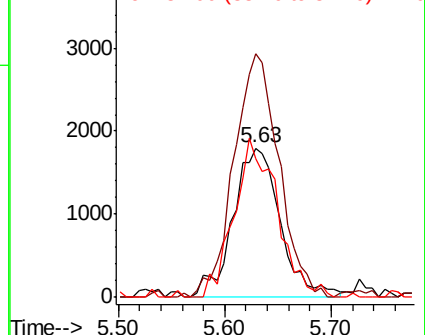
84 93.2 71.7 107.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.620 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018880.D

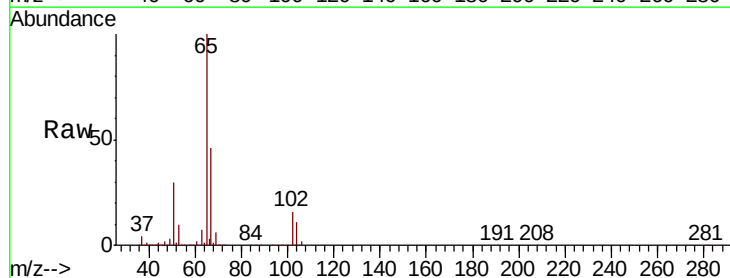
Acq: 10 Oct 2020 02:04

Tgt Ion: 65 Resp: 158460

Ion Ratio Lower Upper

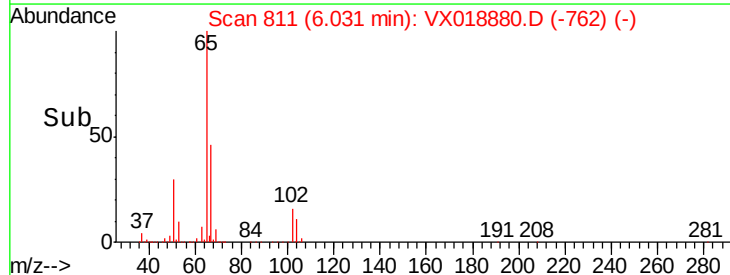
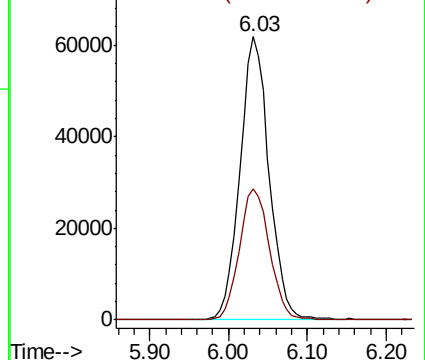
65 100

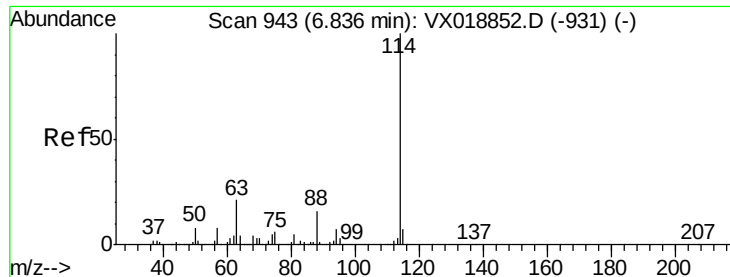
67 48.4 0.0 97.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018880.D

Acq: 10 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampleId :

TB01-20201006

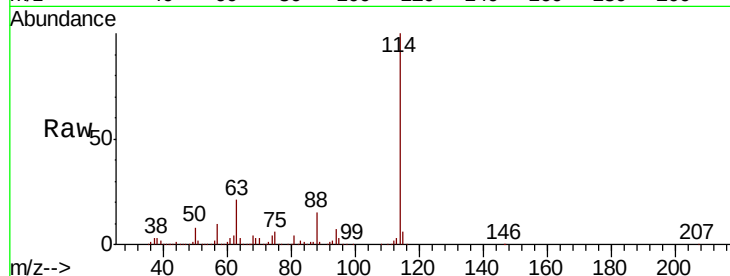
Tot Ion:114 Resp: 327158

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

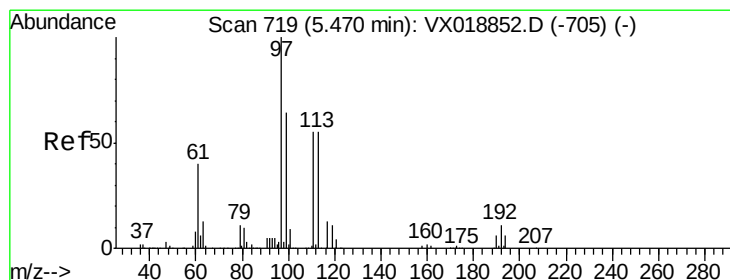
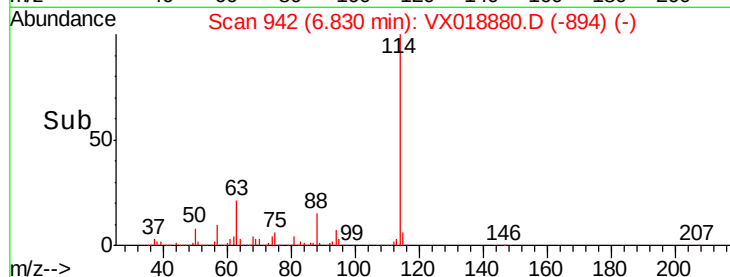
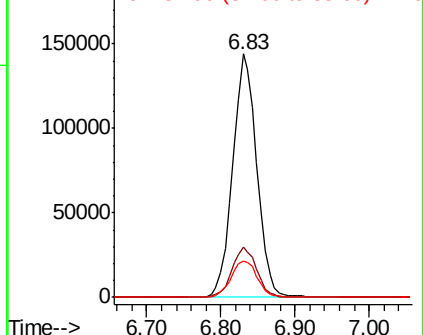
88 15.1 0.0 32.6



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: 50.909 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018880.D

Acq: 10 Oct 2020 02:04

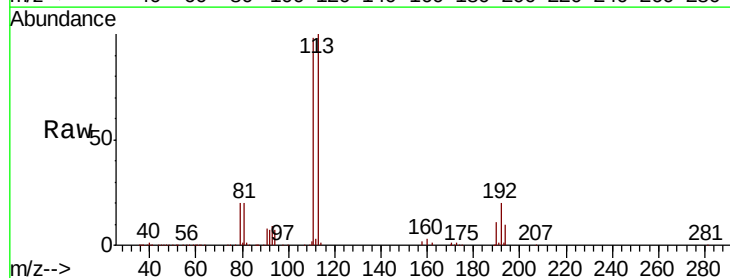
Tgt Ion:113 Resp: 118695

Ion Ratio Lower Upper

113 100

111 100.3 80.1 120.1

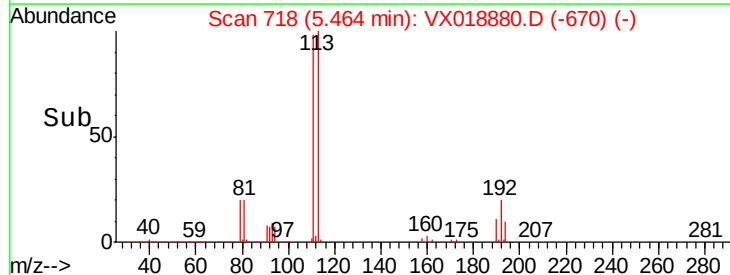
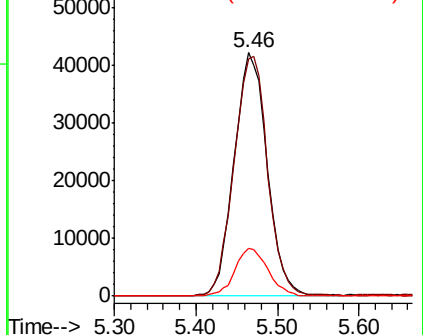
192 19.8 16.0 24.0

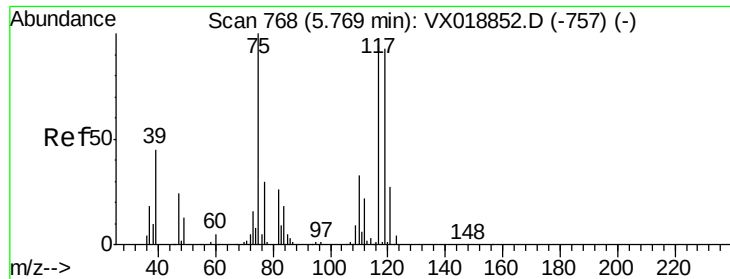


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

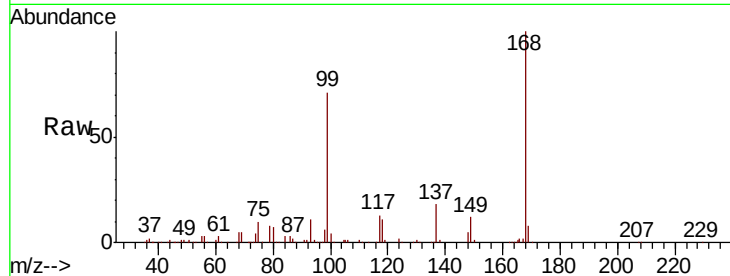




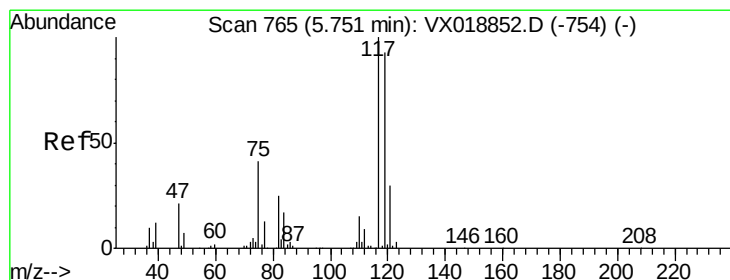
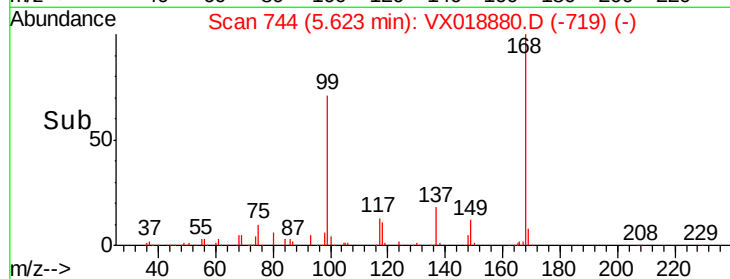
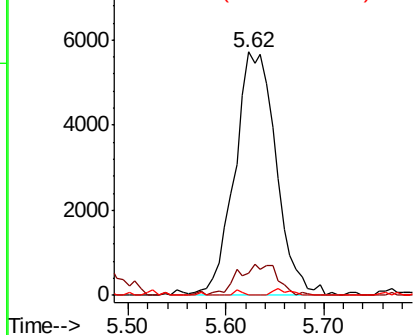
#36
 1,1-Dichloropropene
 Concen: 4.882 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX018880.D
 Acq: 10 Oct 2020 02:04

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20201006

Tot Ion	Ratio	Lower	Upper
75	100		
110	12.3	17.8	53.5#
77	0.4	24.2	36.4#

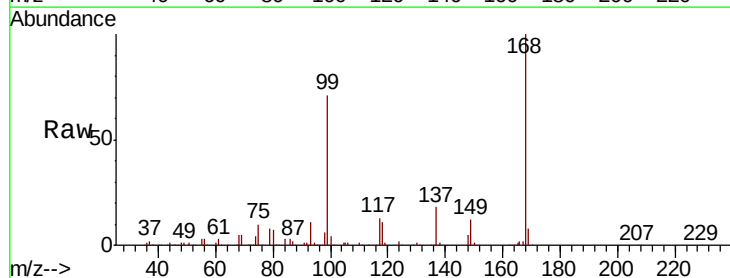


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

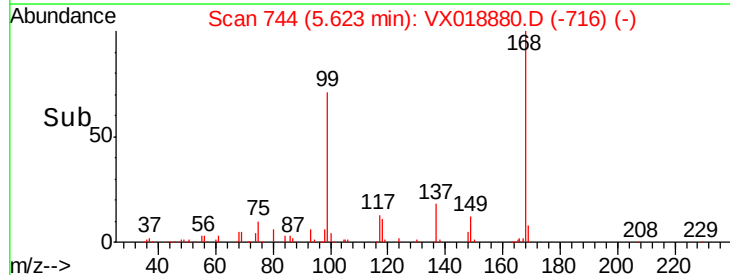
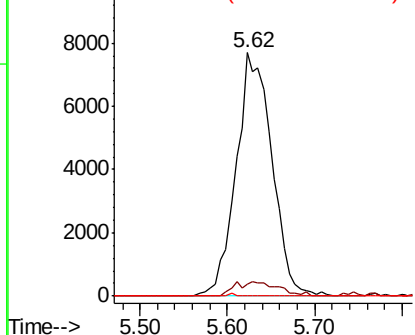


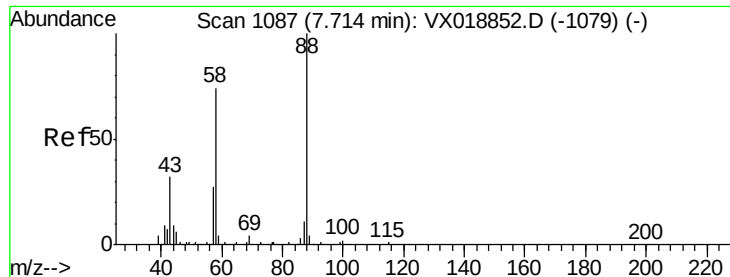
#38
 Carbon Tetrachloride
 Concen: 5.130 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX018880.D
 Acq: 10 Oct 2020 02:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	73.9	110.9#
121	0.0	23.6	35.4#



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

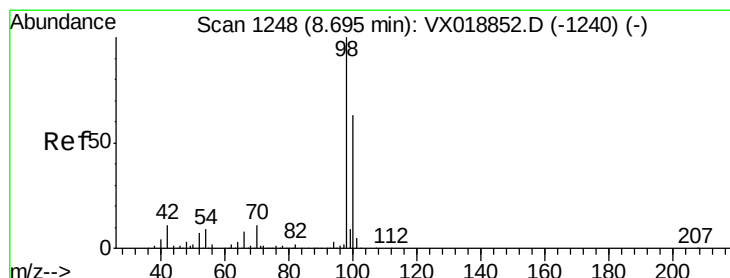
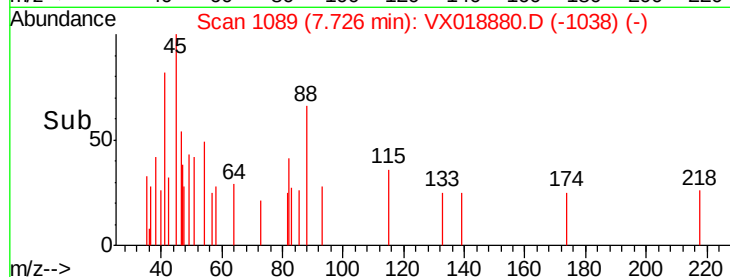
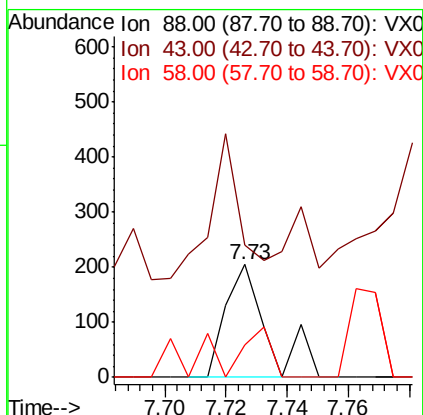
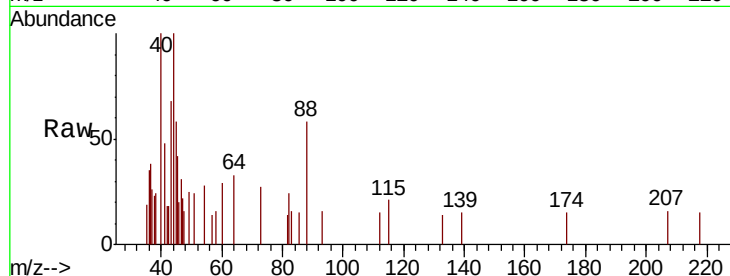




#49
1,4-Dioxane
Concen: 4.863 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

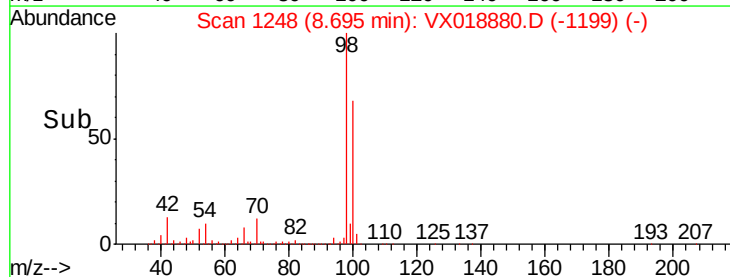
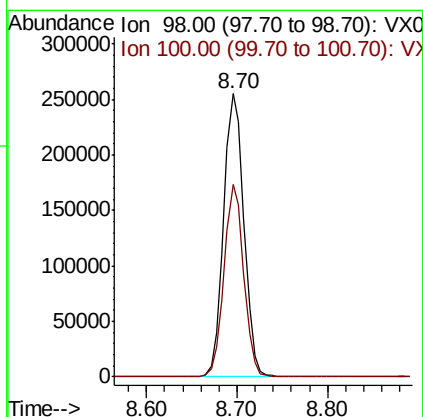
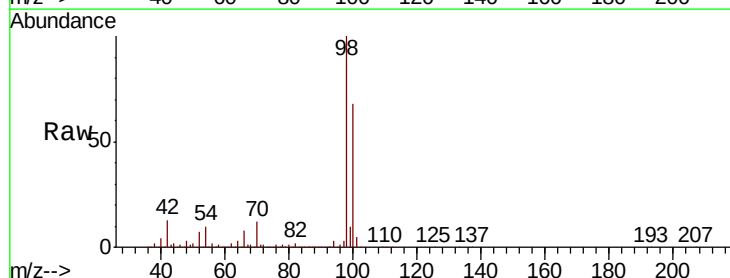
Instrument :
MSVOA_X
ClientSampleId :
TB01-20201006

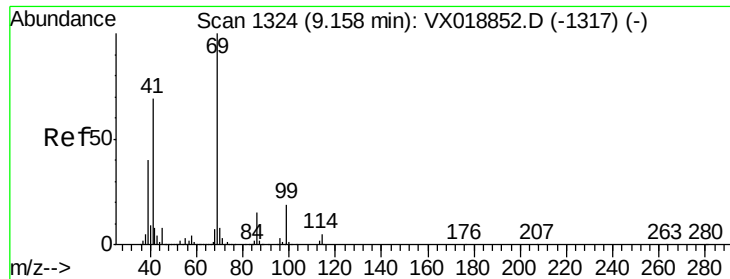
Tot Ion: 88 Resp: 191
Ion Ratio Lower Upper
88 100
43 97.4 31.0 46.6#
58 28.8 59.3 88.9#



#50
Toluene-d8
Concen: 49.294 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

Tgt Ion: 98 Resp: 398666
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7





#56

Ethyl methacrylate

Concen: 2.942 ug/l

RT: 9.15 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX018880.D

Acq: 10 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampleId :

TB01-20201006

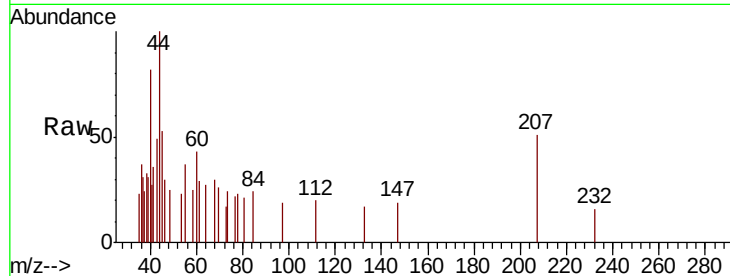
Tot Ion: 69 Resp: 29

Ion Ratio Lower Upper

69 100

41 0.0 54.6 81.8#

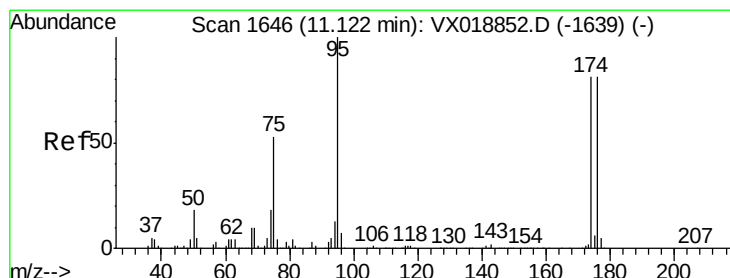
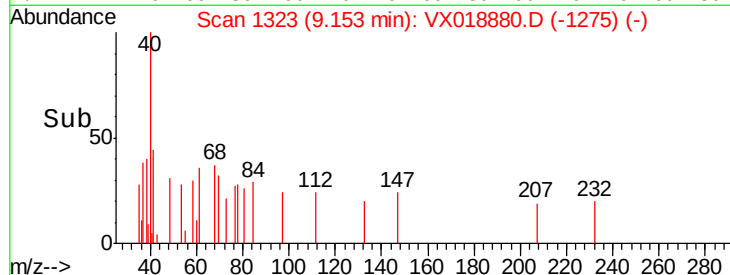
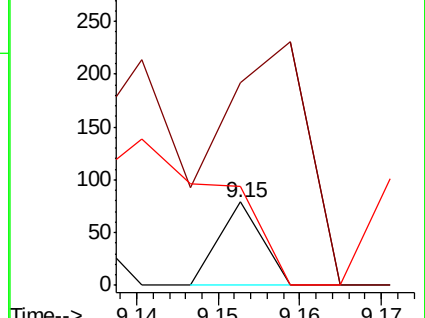
39 637.9 31.5 47.3#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.875 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018880.D

Acq: 10 Oct 2020 02:04

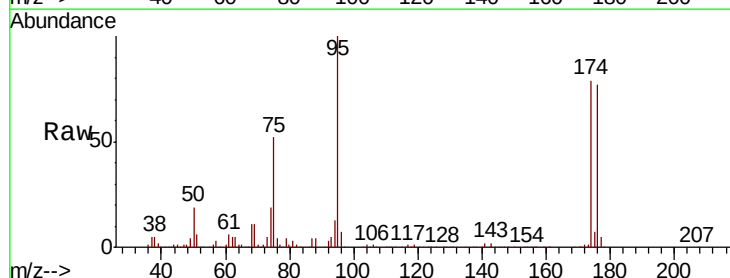
Tgt Ion: 95 Resp: 154316

Ion Ratio Lower Upper

95 100

174 81.4 0.0 160.0

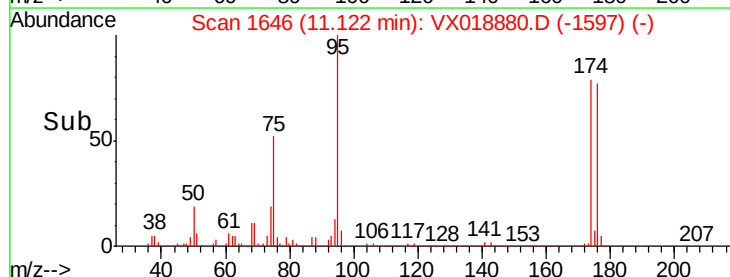
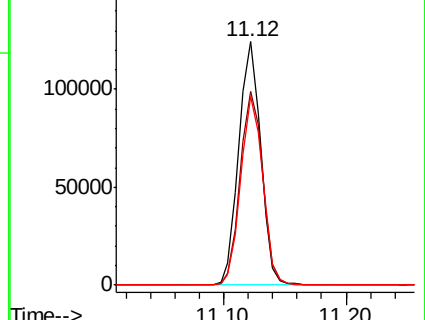
176 77.7 0.0 161.2

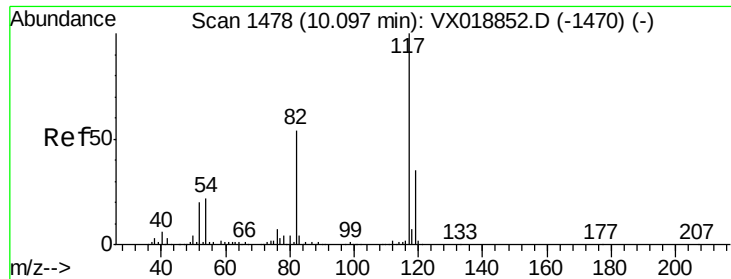


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

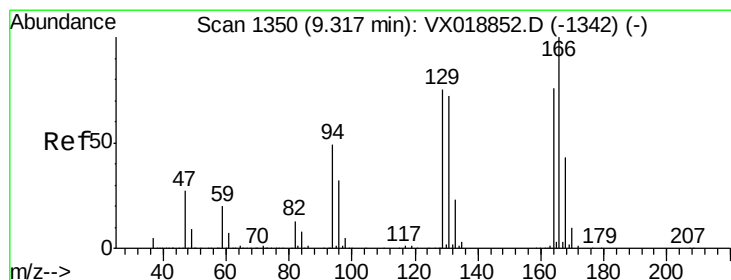
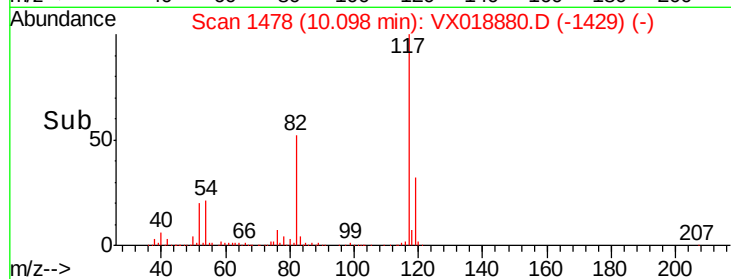
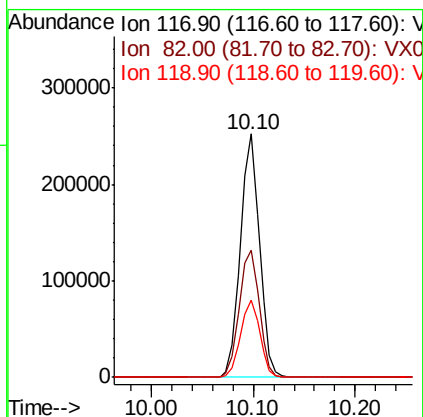
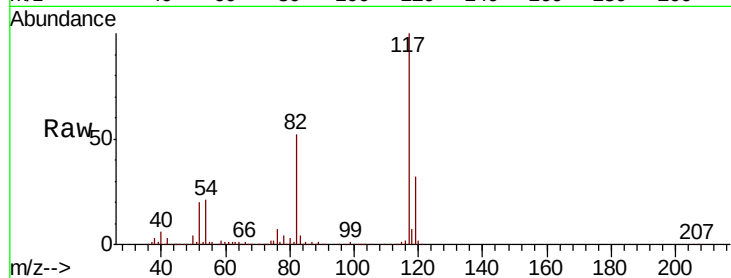




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

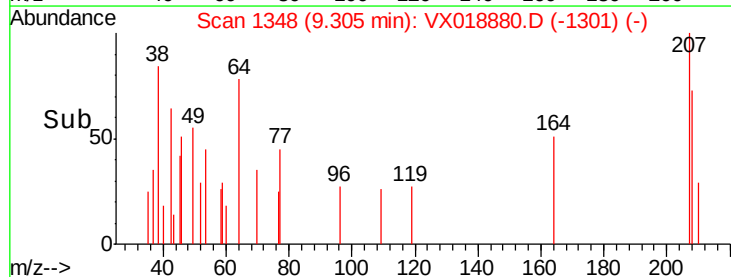
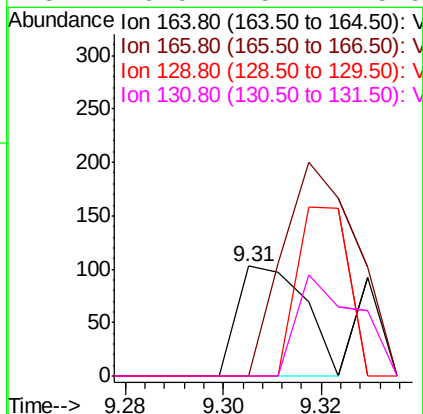
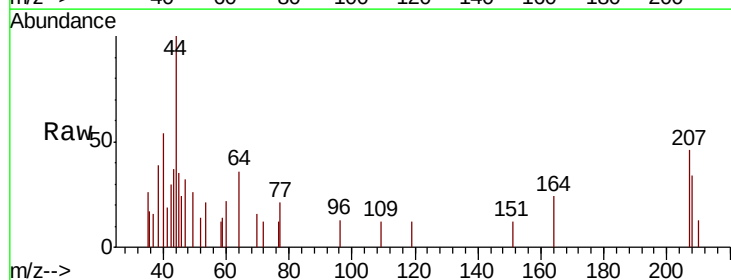
Instrument :
MSVOA_X
ClientSampleId :
TB01-20201006

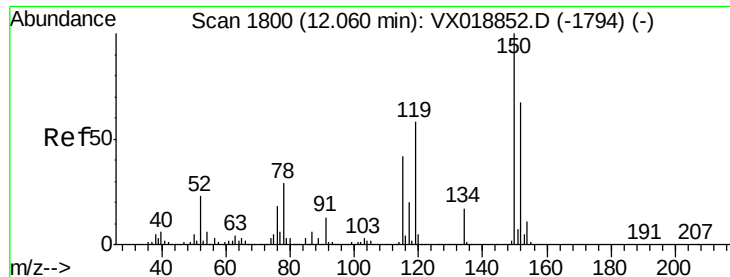
Tot Ion:117 Resp: 325413
Ion Ratio Lower Upper
117 100
82 52.3 43.4 65.2
119 31.8 28.3 42.5



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.31 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

Tgt Ion:164 Resp: 99
Ion Ratio Lower Upper
164 100
166 0.0 105.4 158.0#
129 0.0 79.0 118.6#
131 0.0 75.7 113.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018880.D

Acq: 10 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampled :

TB01-20201006

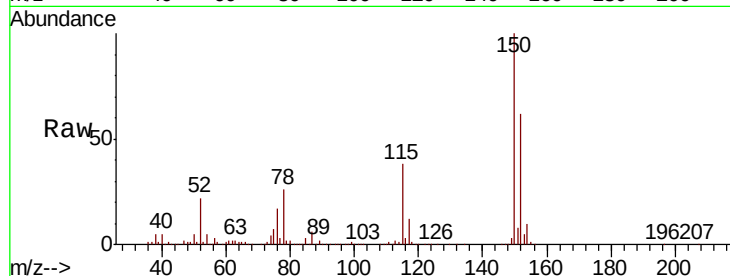
Tot Ion:152 Resp: 159753

Ion Ratio Lower Upper

152 100

115 60.9 41.8 125.4

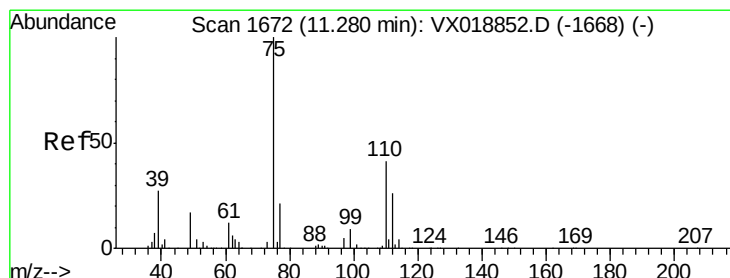
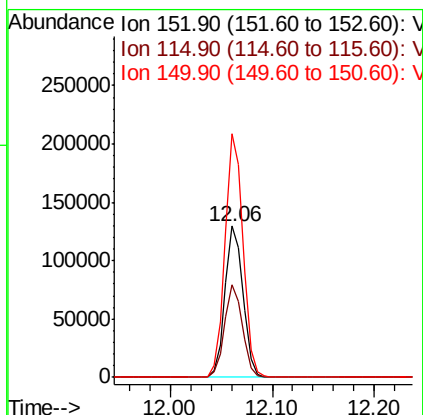
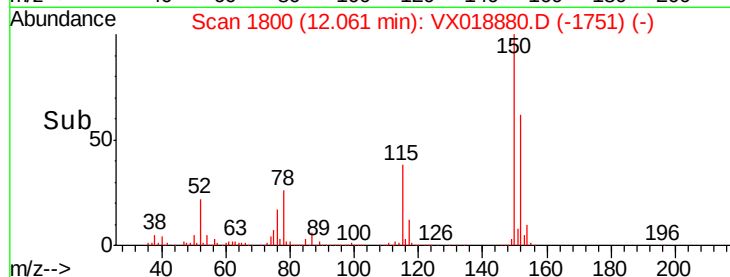
150 159.2 0.0 347.6



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



#76

1,2,3-Trichloropropane

Concen: 24.490 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018880.D

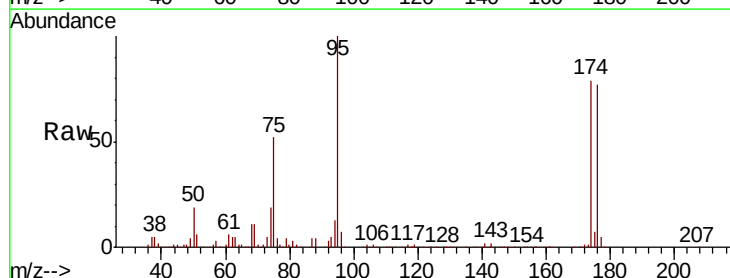
Acq: 10 Oct 2020 02:04

Tgt Ion: 75 Resp: 84299

Ion Ratio Lower Upper

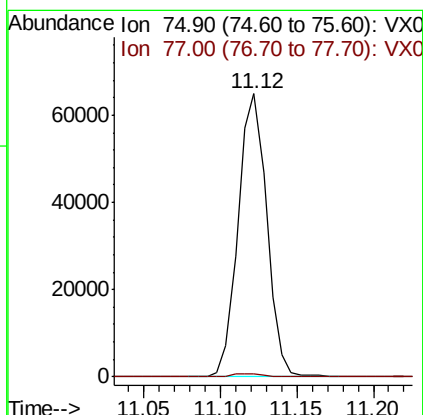
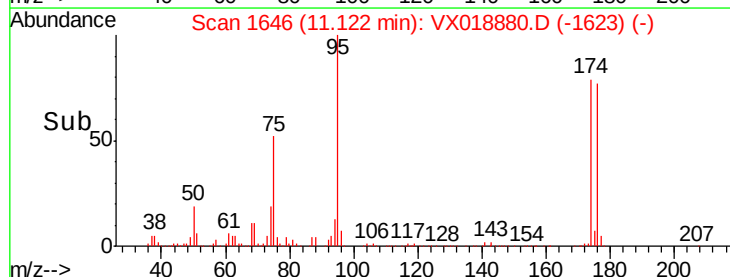
75 100

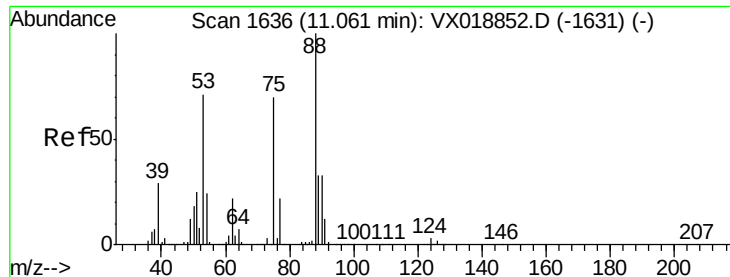
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

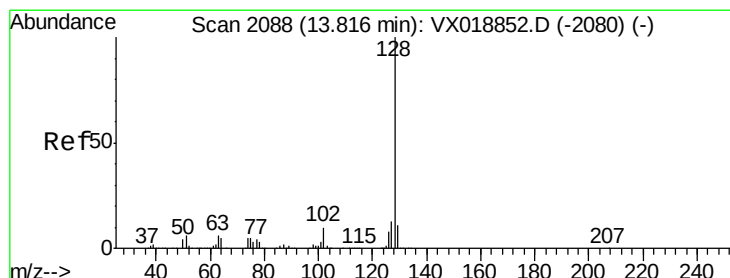
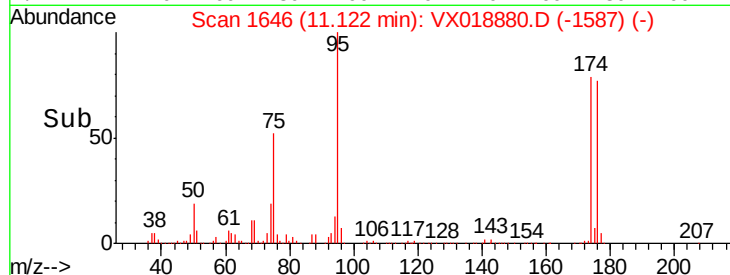
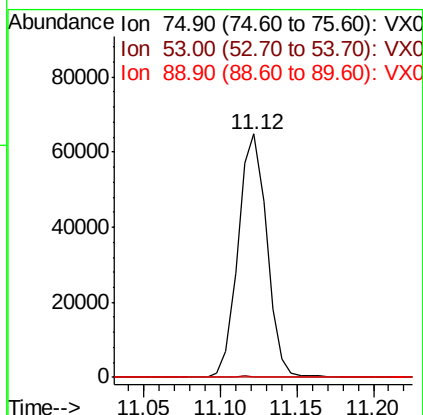
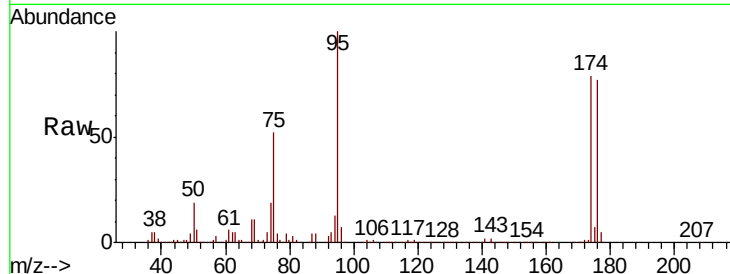




#81
trans-1,4-Dichloro-2-butene
Concen: 69.404 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

Instrument :
MSVOA_X
ClientSampleId :
TB01-20201006

Tot Ion: 75 Resp: 84299
Ion Ratio Lower Upper
75 100
53 0.6 85.0 127.4#
89 0.0 39.0 58.4#



#95
Naphthalene
Concen: 3.106 ug/l
RT: 13.82 min Scan# 2089
Delta R.T. 0.01 min
Lab File: VX018880.D
Acq: 10 Oct 2020 02:04

Tgt Ion:128 Resp: 331
Ion Ratio Lower Upper
128 100
127 30.2 10.1 15.1#
129 0.0 8.6 13.0#

