

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018366.D
 Acq On : 11 Sep 2020 17:21
 Operator : JC/SP
 Sample : L3984-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 12 05:59:21 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	425435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	688339	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	646029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	316948	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	306574	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
35) Dibromofluoromethane	5.46	113	237193	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
50) Toluene-d8	8.70	98	825368	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
62) 4-Bromofluorobenzene	11.12	95	309153	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	

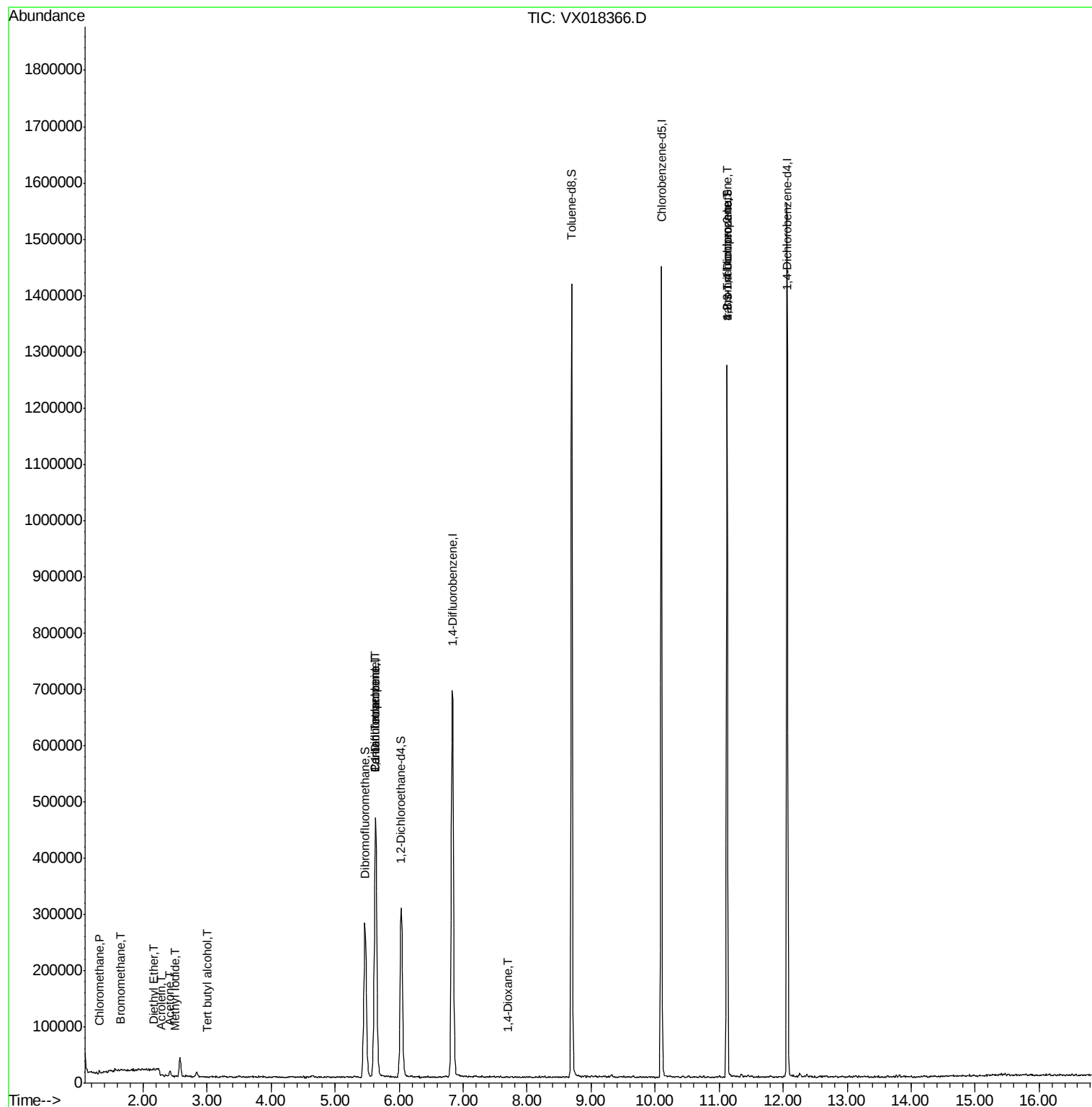
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3850	0.705	ug/l	97
5) Bromomethane	1.64	94	1189	0.453	ug/l #	53
8) Diethyl Ether	2.17	74	575	0.229	ug/l	55
10) Methyl Iodide	2.50	142	667	5.426	ug/l #	68
11) Tert butyl alcohol	3.00	59	412	0.359	ug/l #	1
13) Acrolein	2.28	56	577	1.212	ug/l #	39
16) Acetone	2.42	43	10005	4.347	ug/l	96
20) Methylene Chloride	2.84	84	4488	Below Cal	#	88
36) 1,1-Dichloropropene	5.63	75	33256	5.238	ug/l #	52
38) Carbon Tetrachloride	5.63	117	44711	6.249	ug/l #	16
49) 1,4-Dioxane	7.70	88	29	0.270	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	157202	22.296	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	157202	60.218	ug/l #	12

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018366.D

Acq: 11 Sep 2020 17:21

Instrument :

MSVOA_X

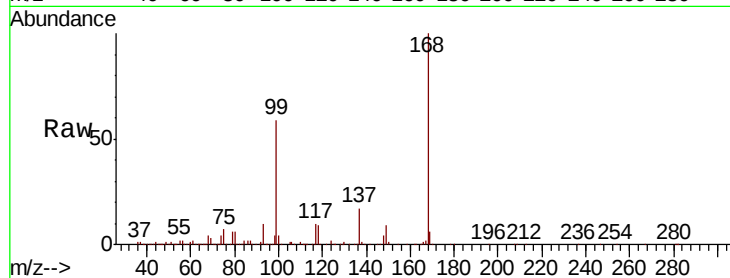
ClientSampled :

Tot Ion:168 Resp: 425435

Ion Ratio Lower Upper

168 100

99 58.7 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

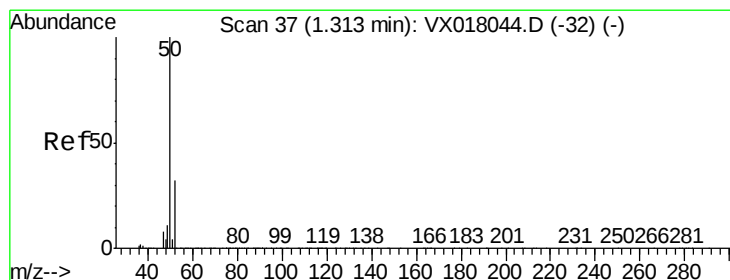
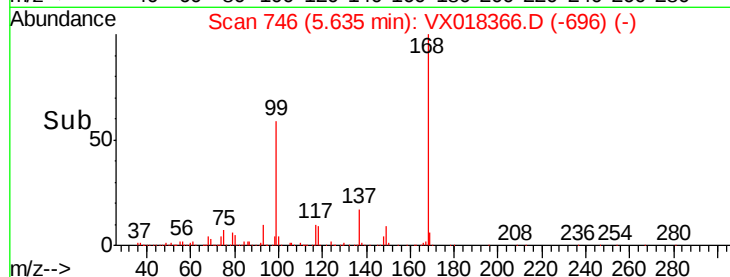
0

Time-->

5.50

5.60

5.70



#3

Chloromethane

Concen: 0.705 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018366.D

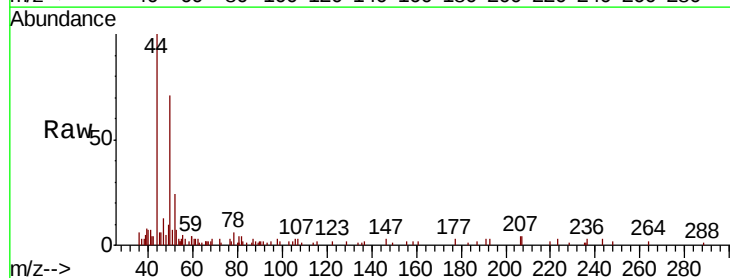
Acq: 11 Sep 2020 17:21

Tgt Ion: 50 Resp: 3850

Ion Ratio Lower Upper

50 100

52 30.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

4000

3000

2000

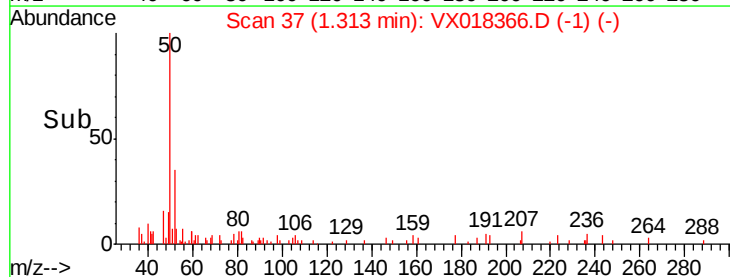
1000

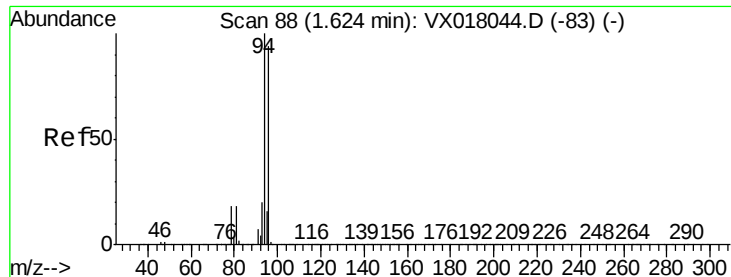
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Time-->

1.30

1.35





#5

Bromomethane

Concen: 0.453 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018366.D

Acq: 11 Sep 2020 17:21

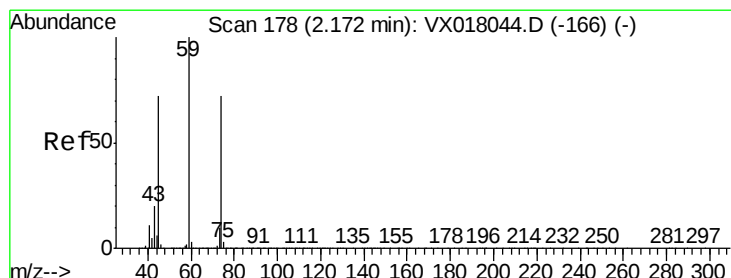
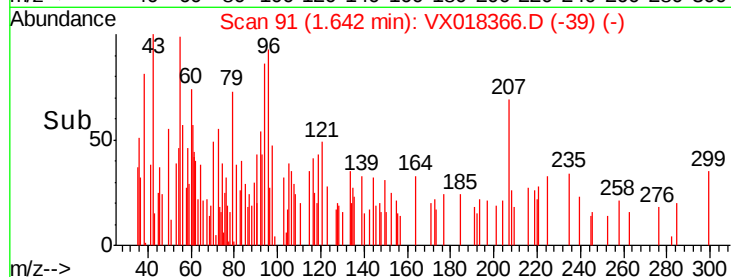
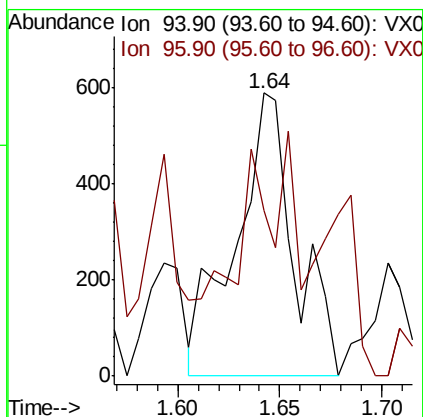
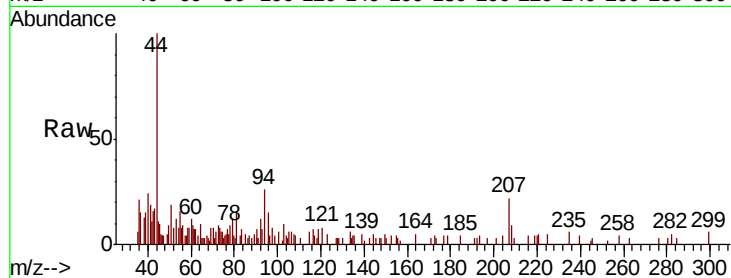
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 1189

Ion Ratio Lower Upper

94 100

96 48.1 74.8 112.2#



#8

Diethyl Ether

Concen: 0.229 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.01 min

Lab File: VX018366.D

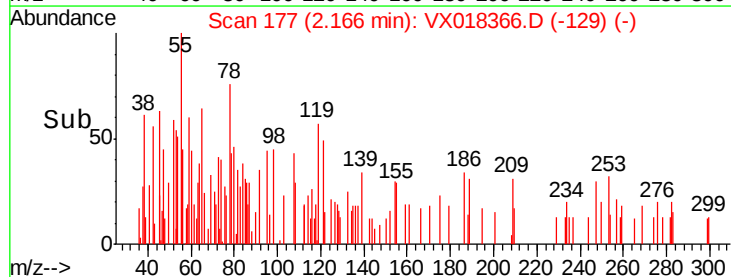
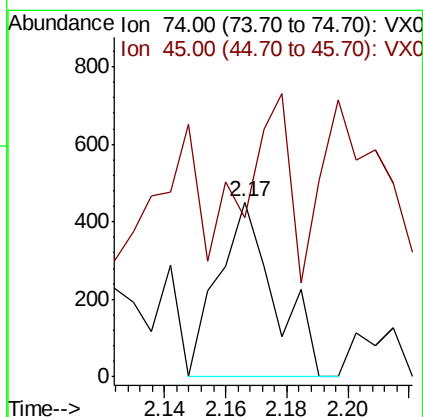
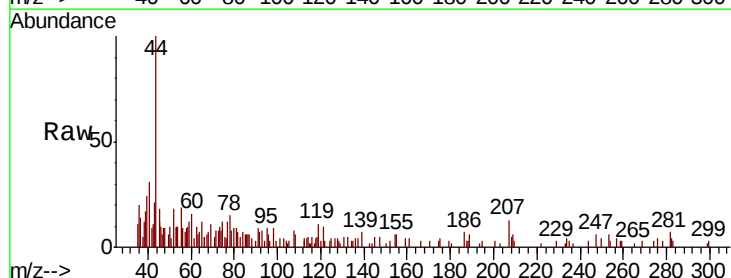
Acq: 11 Sep 2020 17:21

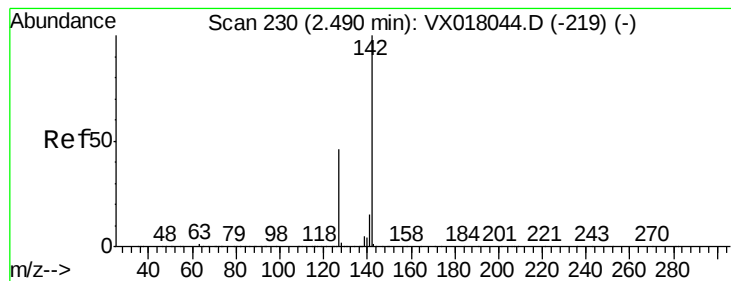
Tgt Ion: 74 Resp: 575

Ion Ratio Lower Upper

74 100

45 56.3 50.7 152.3





#10

Methyl Iodide

Concen: 5.426 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018366.D

Acq: 11 Sep 2020 17:21

Instrument :
MSVOA_X
ClientSampled :

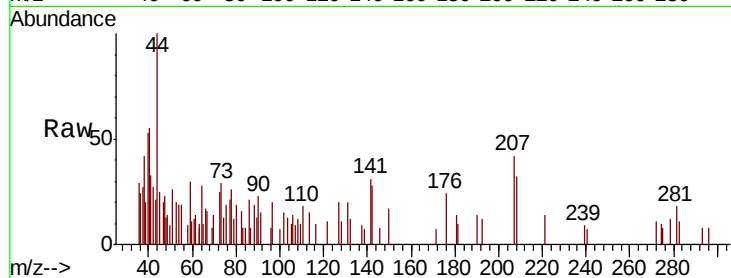
Tot Ion:142 Resp: 667

Ion Ratio Lower Upper

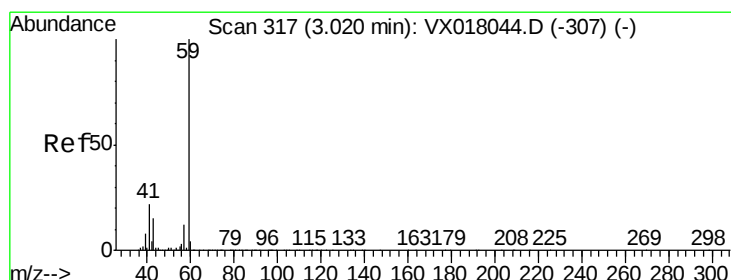
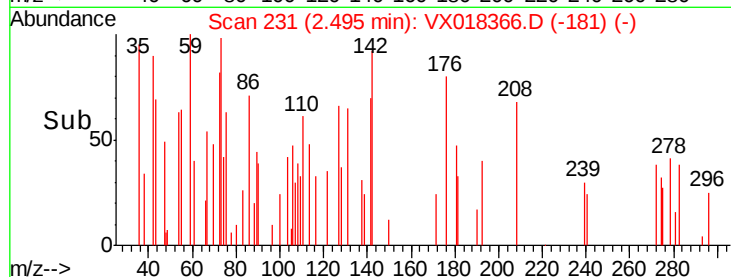
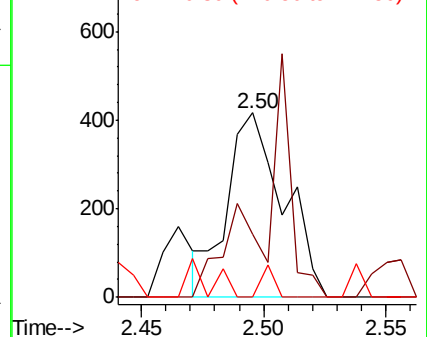
142 100

127 69.3 37.0 55.6#

141 3.9 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



#11

Tert butyl alcohol

Concen: 0.359 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX018366.D

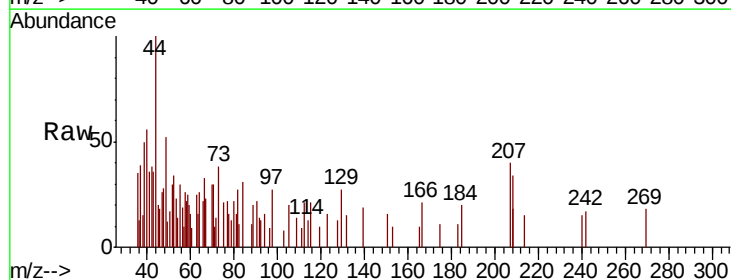
Acq: 11 Sep 2020 17:21

Tgt Ion: 59 Resp: 412

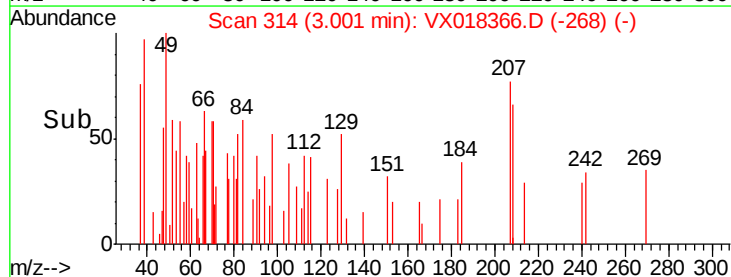
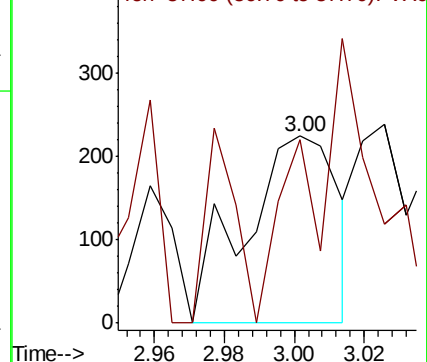
Ion Ratio Lower Upper

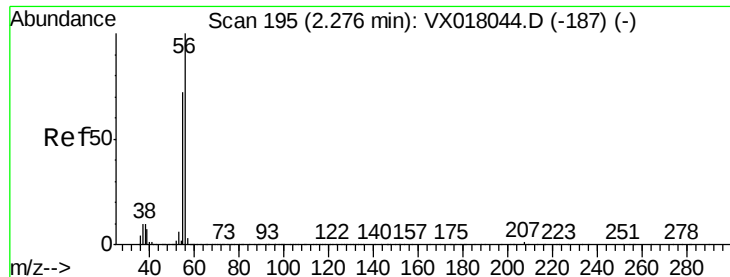
59 100

57 111.2 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.212 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX018366.D

Acq: 11 Sep 2020 17:21

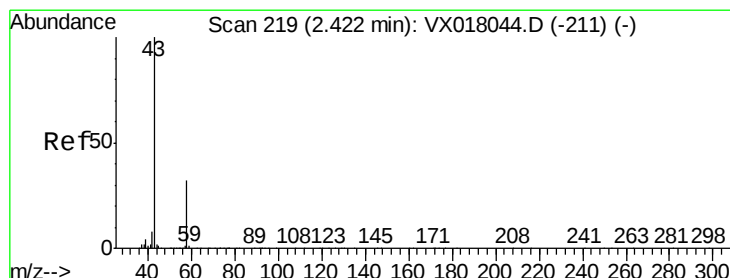
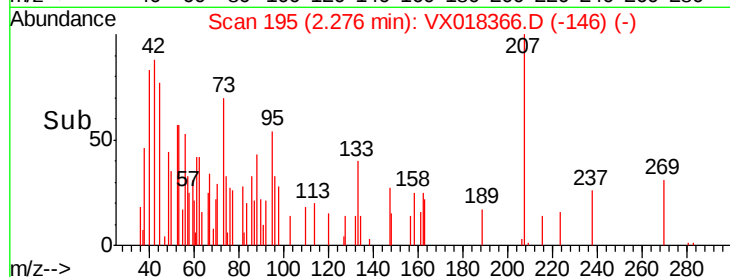
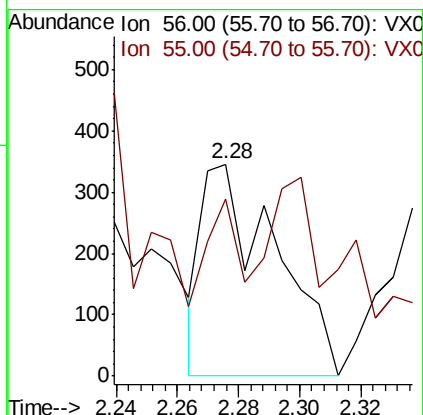
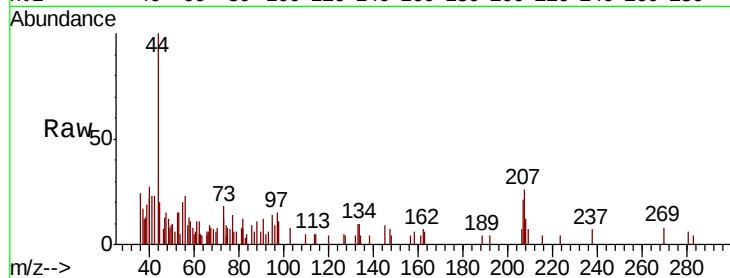
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 577

Ion Ratio Lower Upper

56 100

55 20.5 57.0 85.6#



#16

Acetone

Concen: 4.347 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018366.D

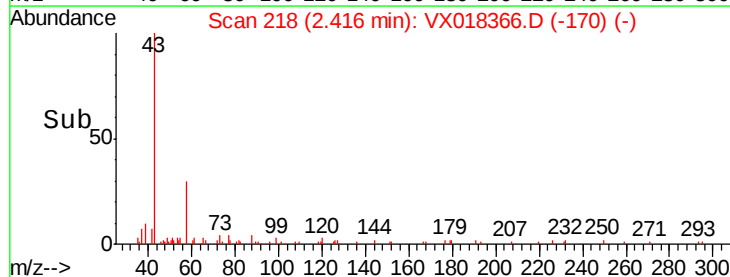
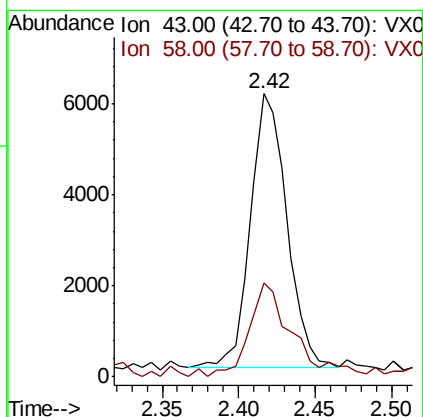
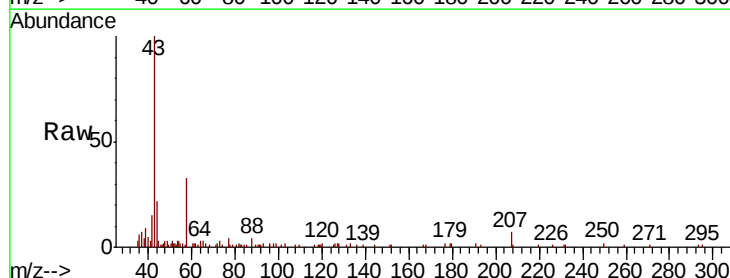
Acq: 11 Sep 2020 17:21

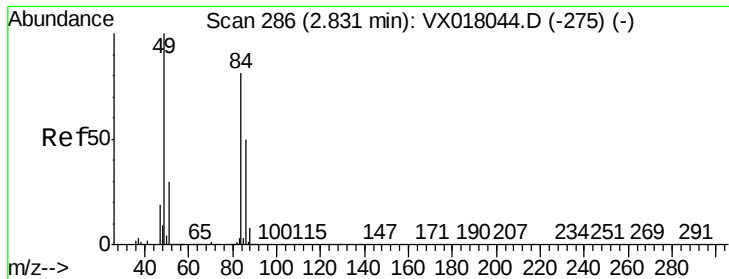
Tgt Ion: 43 Resp: 10005

Ion Ratio Lower Upper

43 100

58 34.1 25.5 38.3

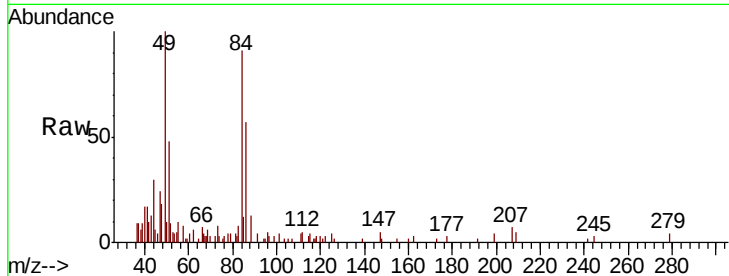




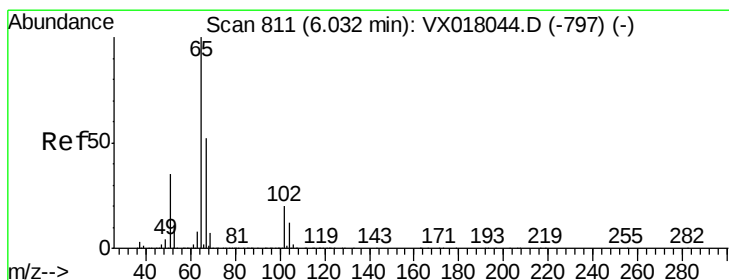
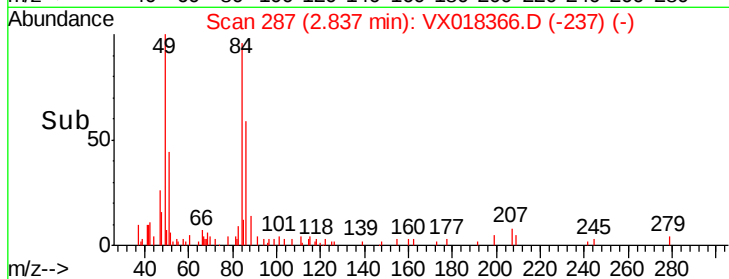
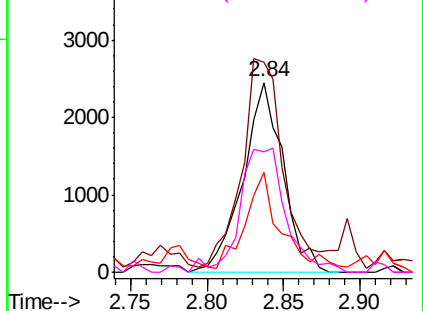
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018366.D
Acq: 11 Sep 2020 17:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 4488
Ion Ratio Lower Upper
84 100
49 106.2 98.6 148.0
51 49.3 29.6 44.4#
86 63.0 49.8 74.6

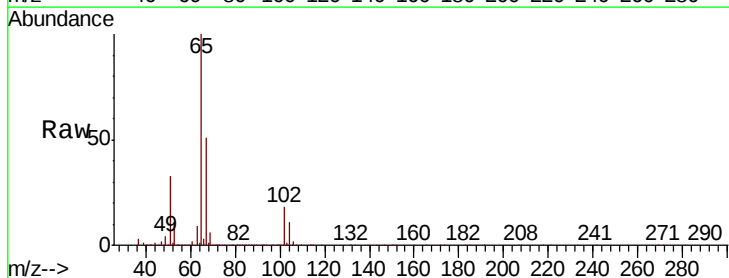


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

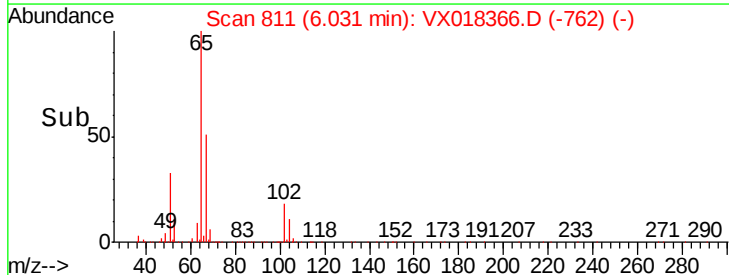
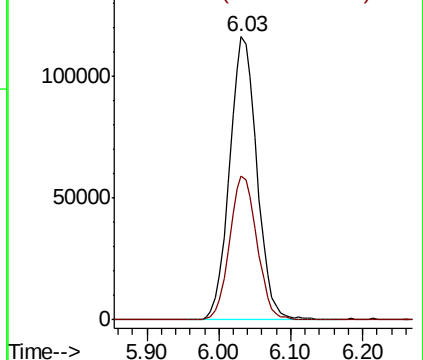


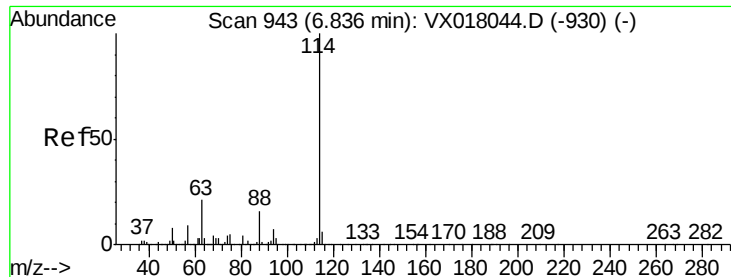
#33
1,2-Dichloroethane-d4
Concen: 51.908 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018366.D
Acq: 11 Sep 2020 17:21

Tgt Ion: 65 Resp: 306574
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.8



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: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018366.D

Acq: 11 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

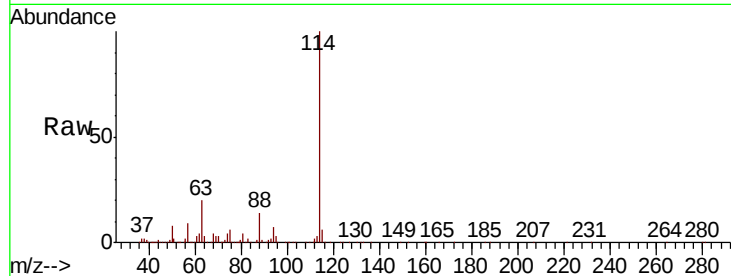
Tot Ion:114 Resp: 688339

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

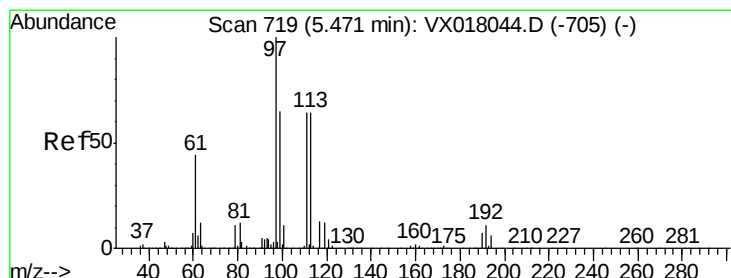
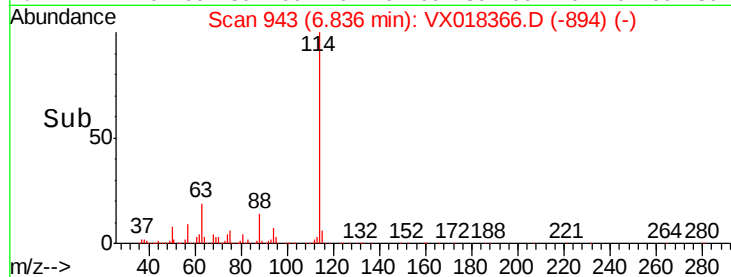
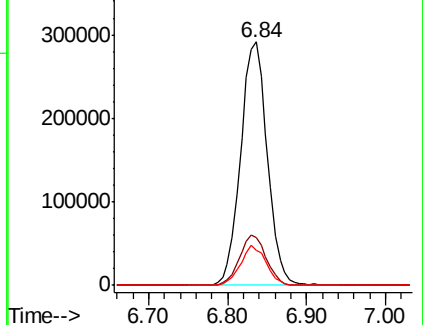
88 14.4 0.0 31.8



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: 50.597 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018366.D

Acq: 11 Sep 2020 17:21

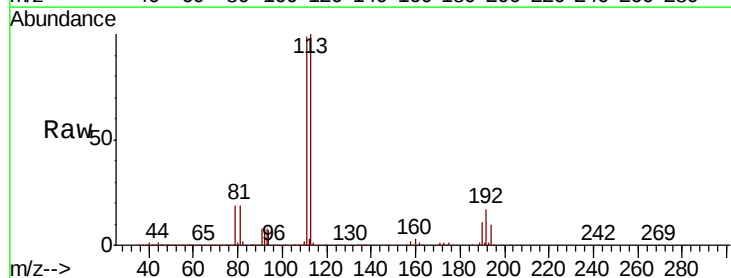
Tgt Ion:113 Resp: 237193

Ion Ratio Lower Upper

113 100

111 103.7 81.6 122.4

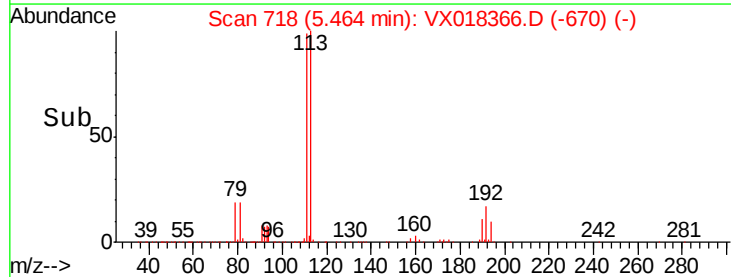
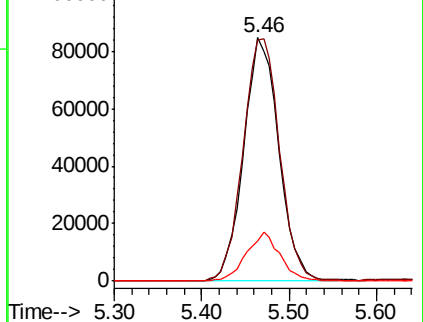
192 19.2 15.8 23.8

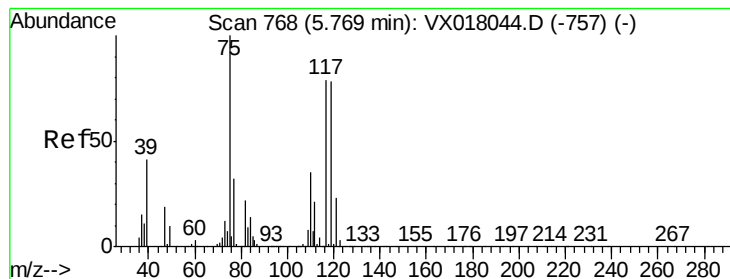


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.238 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018366.D

Acq: 11 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

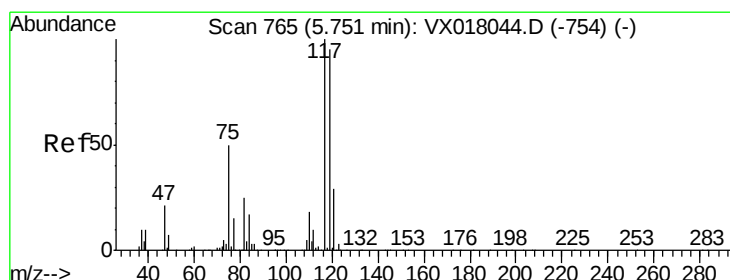
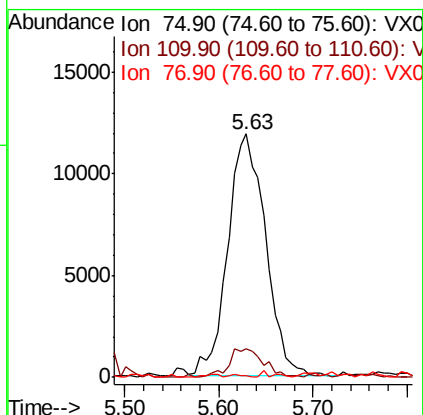
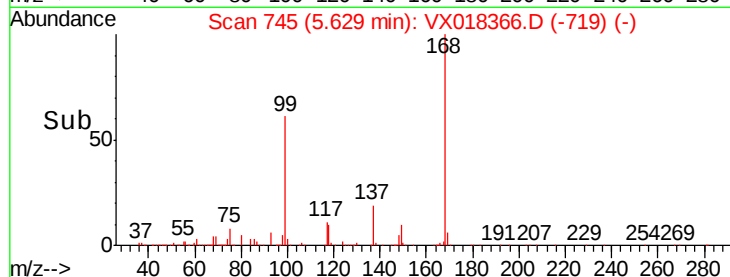
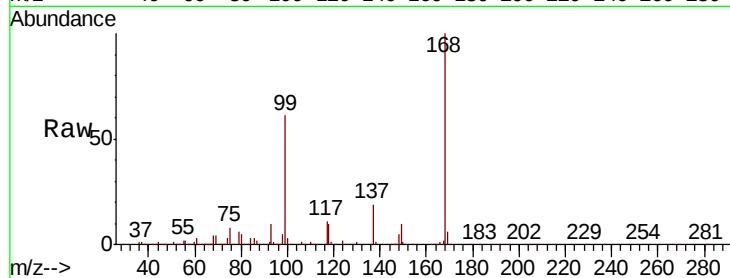
Tot Ion: 75 Resp: 33256

Ion Ratio Lower Upper

75 100

110 11.0 18.0 54.0#

77 0.4 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.249 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018366.D

Acq: 11 Sep 2020 17:21

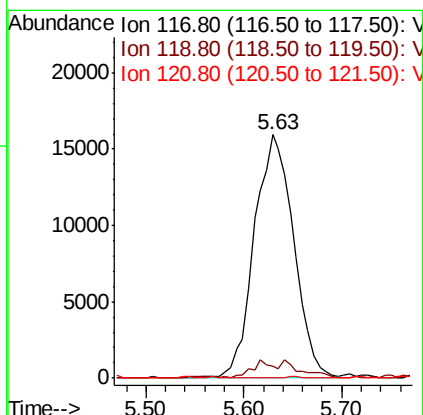
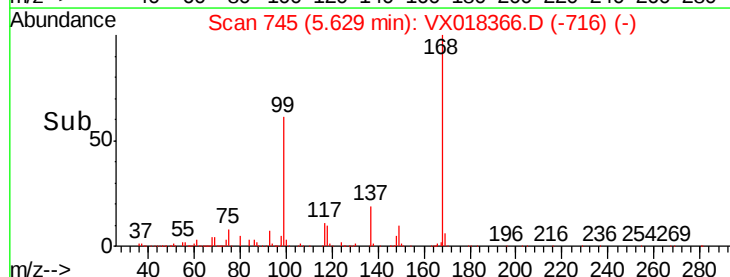
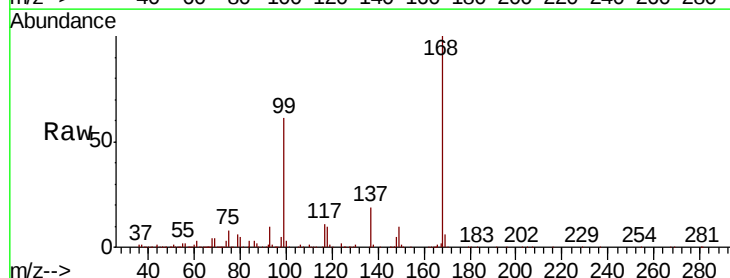
Tgt Ion:117 Resp: 44711

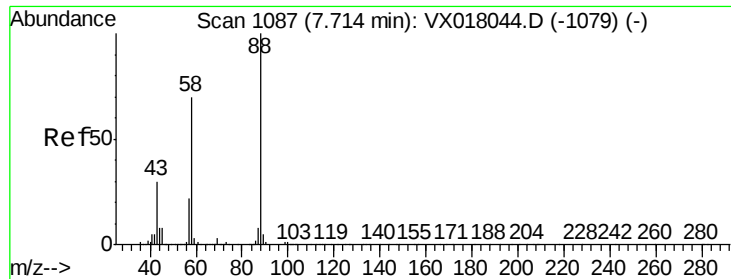
Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

121 0.0 23.4 35.0#

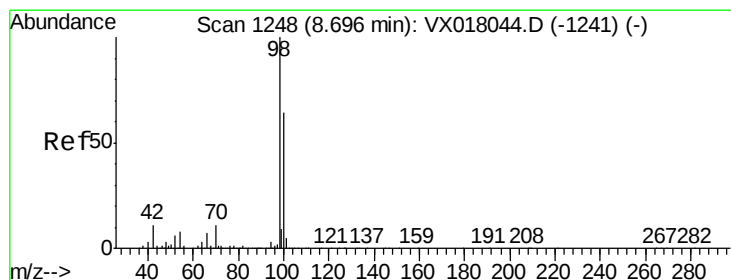
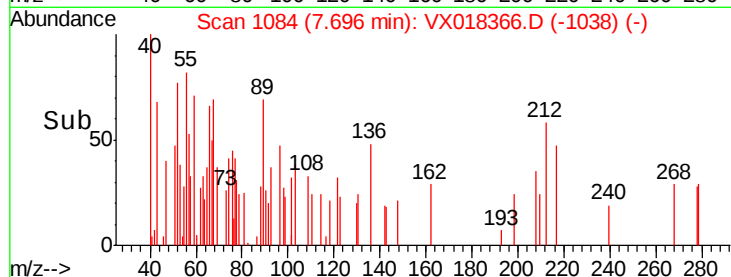
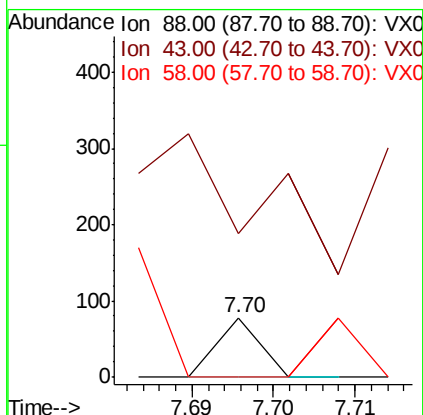
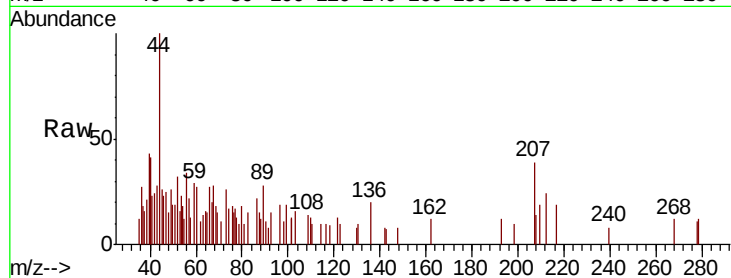




#49
1,4-Dioxane
Concen: 0.270 ug/l
RT: 7.70 min Scan# 1084
Delta R.T. -0.02 min
Lab File: VX018366.D
Acq: 11 Sep 2020 17:21

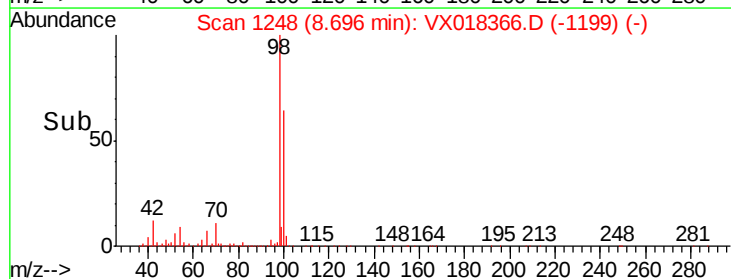
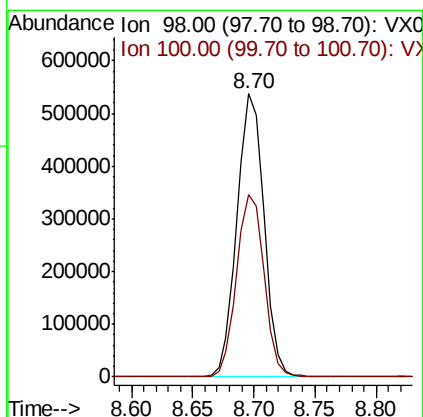
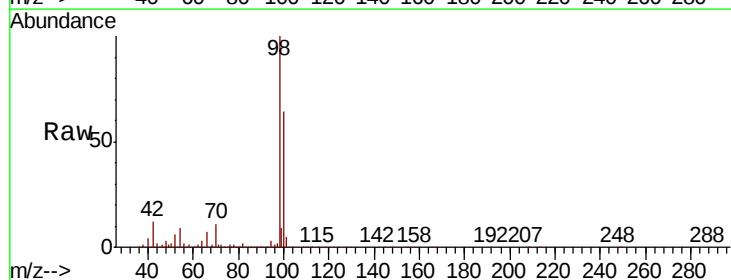
Instrument :
MSVOA_X
ClientSampleId :

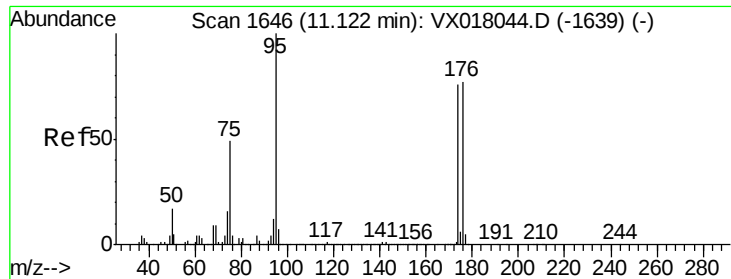
Tot Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 682.8 27.4 41.0#
58 1124.1 56.4 84.6#



#50
Toluene-d8
Concen: 47.271 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018366.D
Acq: 11 Sep 2020 17:21

Tgt Ion: 98 Resp: 825368
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 45.003 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018366.D

Acq: 11 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

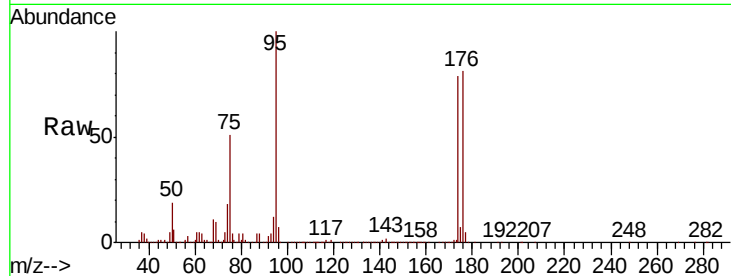
Tot Ion: 95 Resp: 309153

Ion Ratio Lower Upper

95 100

174 79.4 0.0 160.2

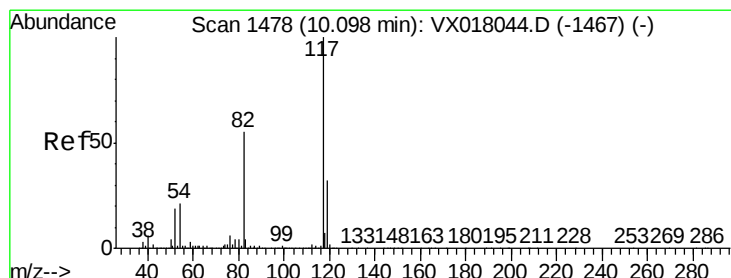
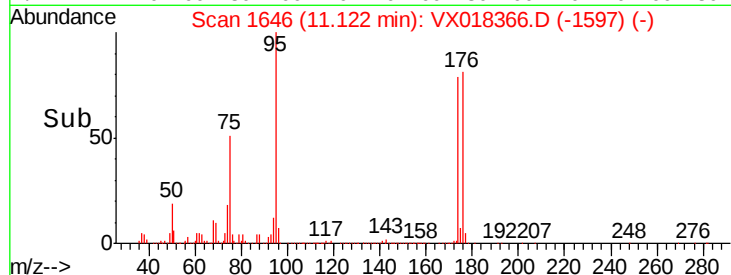
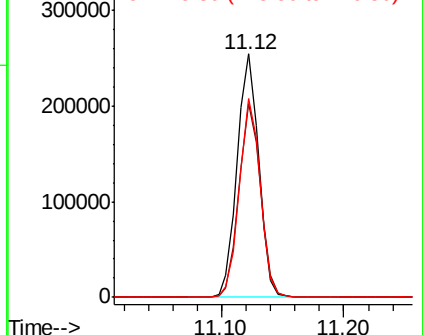
176 79.4 0.0 155.8



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: VX018366.D

Acq: 11 Sep 2020 17:21

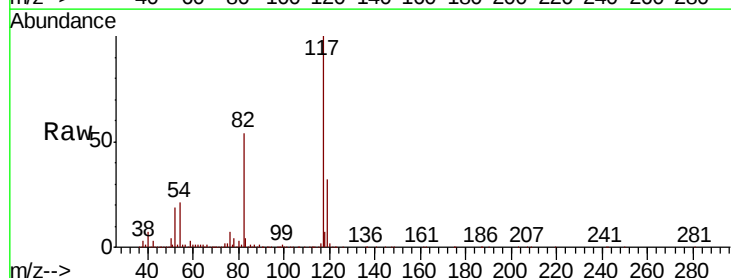
Tgt Ion: 117 Resp: 646029

Ion Ratio Lower Upper

117 100

82 53.8 44.2 66.2

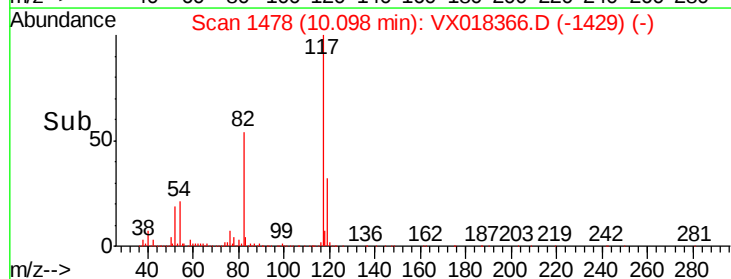
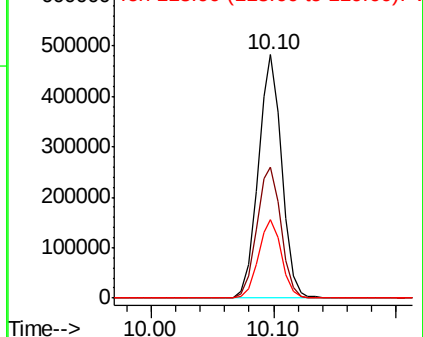
119 32.1 25.7 38.5

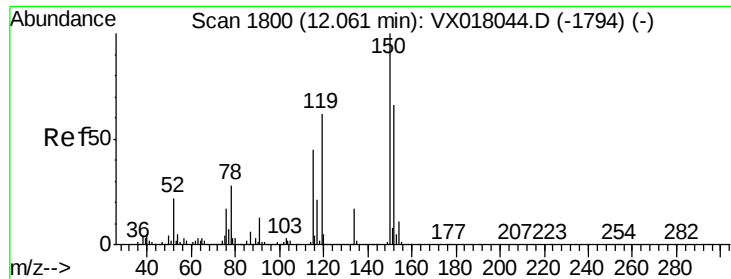


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018366.D

Acq: 11 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

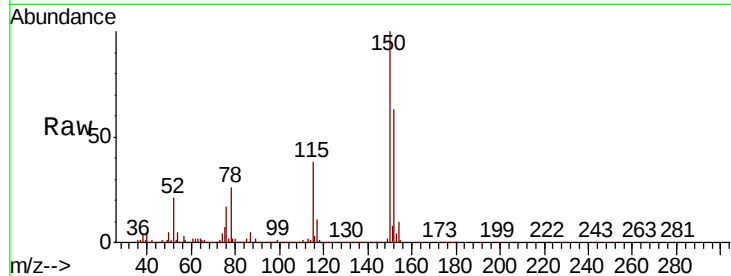
Tot Ion:152 Resp: 316948

Ion Ratio Lower Upper

152 100

115 59.0 41.5 124.5

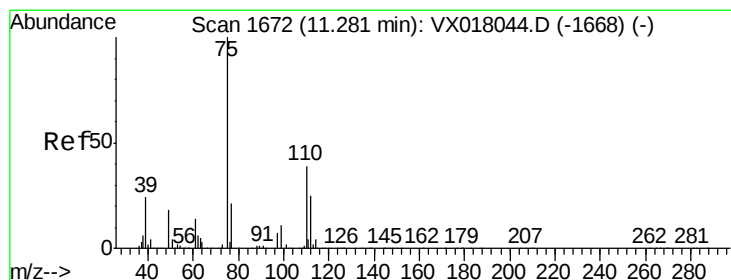
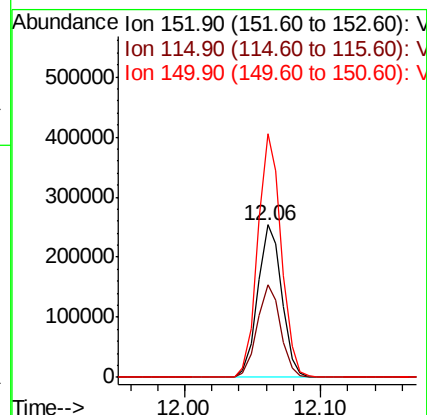
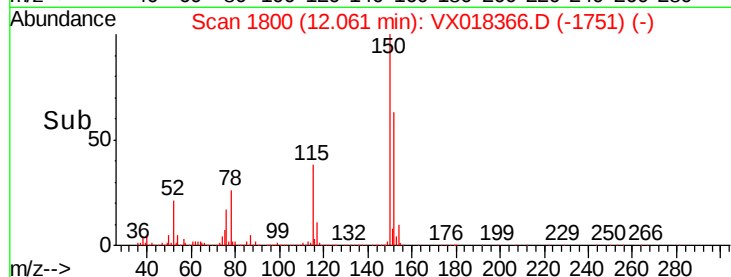
150 155.4 0.0 343.8



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



#76

1,2,3-Trichloropropane

Concen: 22.296 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018366.D

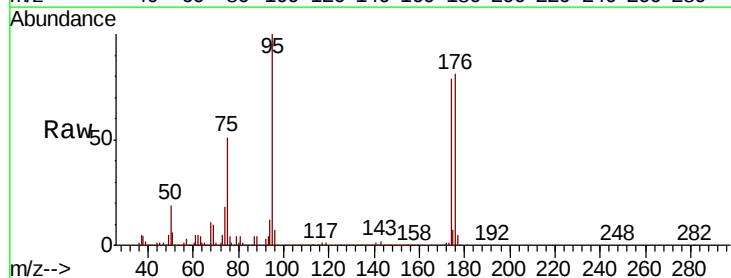
Acq: 11 Sep 2020 17:21

Tgt Ion: 75 Resp: 157202

Ion Ratio Lower Upper

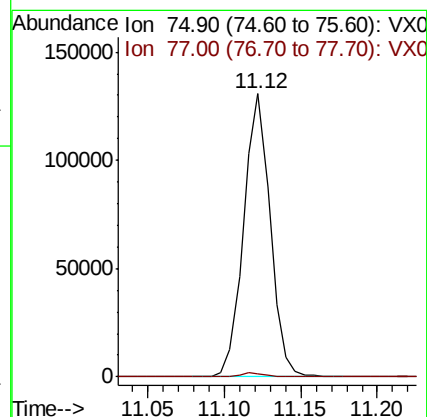
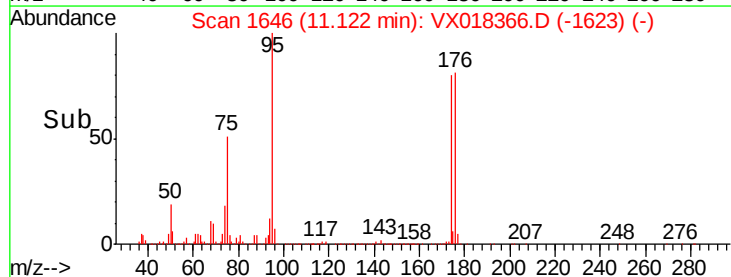
75 100

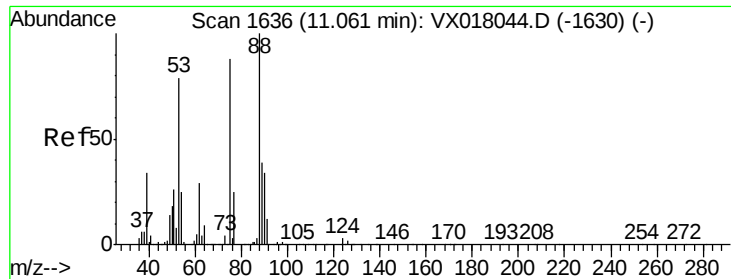
77 1.5 20.8 62.2#



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: 60.218 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018366.D

Acq: 11 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

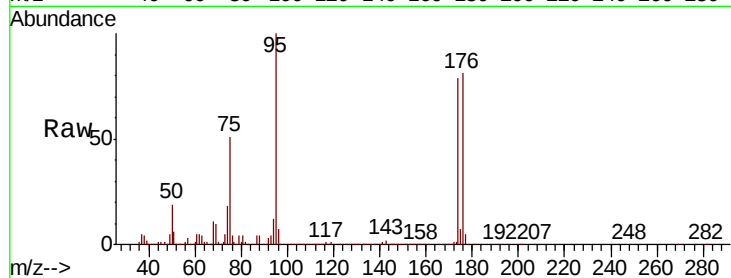
Tot Ion: 75 Resp: 157202

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.2 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

