

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072720\
 Data File : VX017637.D
 Acq On : 27 Jul 2020 23:06
 Operator : JC/SP
 Sample : L3421-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-7

Quant Time: Jul 28 01:39:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	475842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	766513	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	853149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	459917	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	330361	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
35) Dibromofluoromethane	5.47	113	273528	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	
50) Toluene-d8	8.70	98	966429	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	11.12	95	437348	59.09	ug/l	0.00
Spiked Amount			Recovery	=	118.18%	

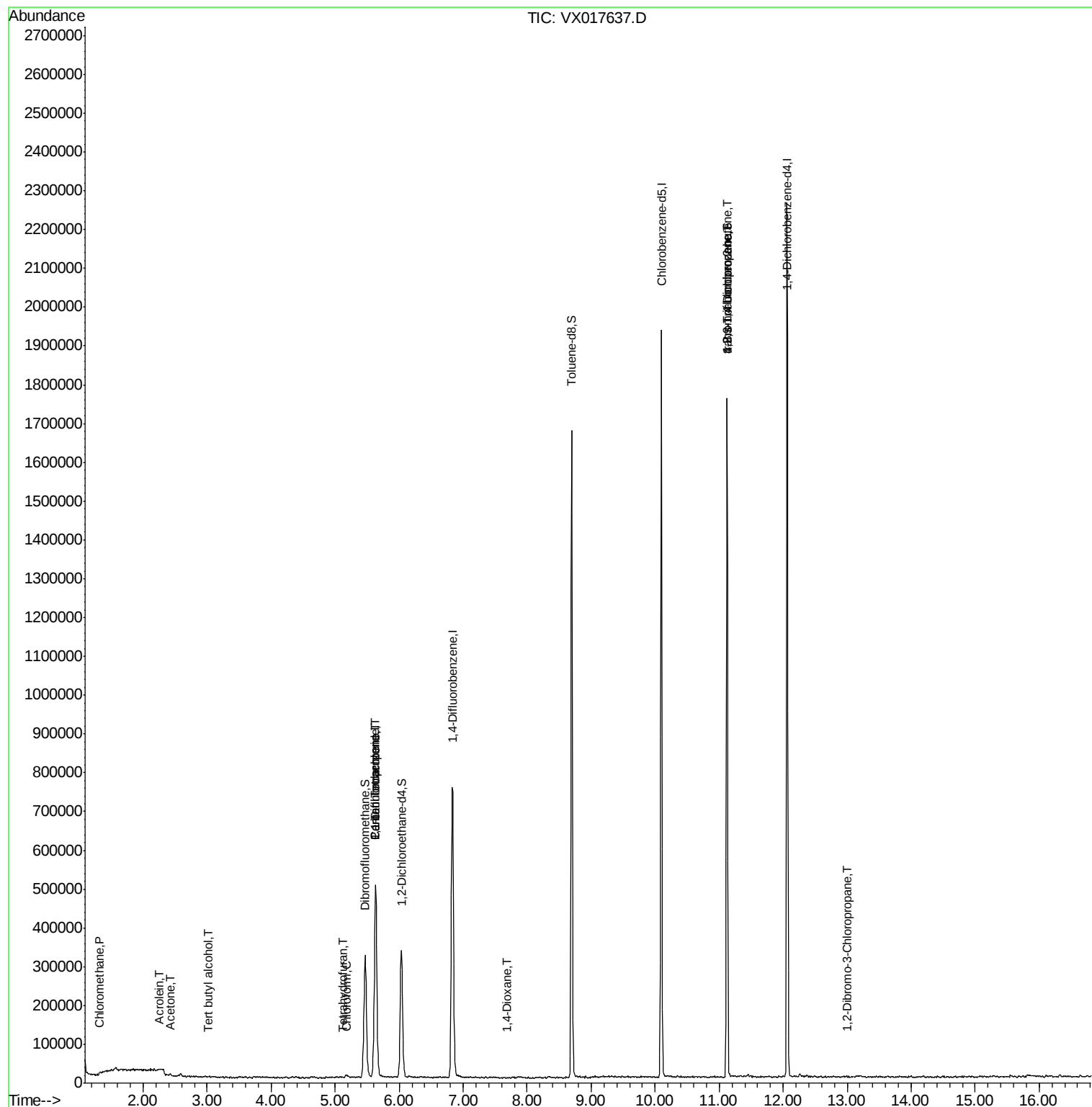
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	592	Below Cal		80
3) Chloromethane	1.31	50	940	0.525 ug/l #		68
5) Bromomethane	1.61	94	137	Below Cal #		3
6) Chloroethane	1.71	64	226	Below Cal #		44
8) Diethyl Ether	2.15	74	734	Below Cal		83
11) Tert butyl alcohol	3.02	59	549	0.426 ug/l #		23
13) Acrolein	2.25	56	212	4.361 ug/l #		28
16) Acetone	2.42	43	6191	2.301 ug/l #		85
20) Methylene Chloride	2.84	84	1723	Below Cal #		76
29) Tetrahydrofuran	5.12	42	580	0.245 ug/l #		70
30) Chloroform	5.18	83	4251	0.440 ug/l #		66
36) 1,1-Dichloropropene	5.63	75	36894	5.019 ug/l #		50
38) Carbon Tetrachloride	5.63	117	46679	5.229 ug/l #		18
49) 1,4-Dioxane	7.68	88	308	2.442 ug/l #		1
76) 1,2,3-Trichloropropane	11.12	75	221058	23.366 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.12	75	221058	58.877 ug/l #		12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	238	2.658 ug/l #		7

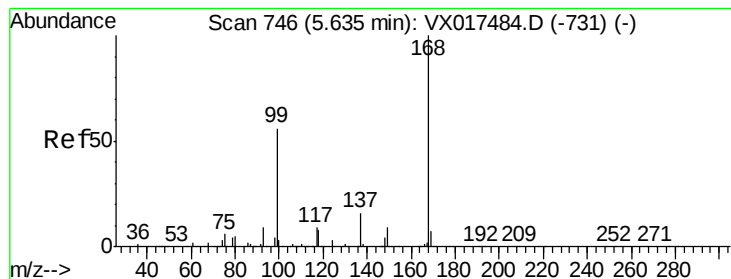
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

Instrument :

MSVOA_X

ClientSampleId :

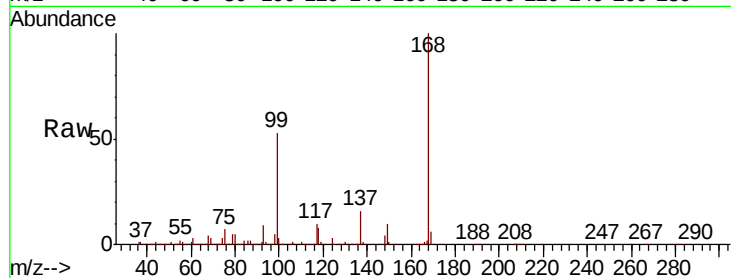
SY-7

Tot Ion:168 Resp: 475842

Ion Ratio Lower Upper

168 100

99 53.1 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

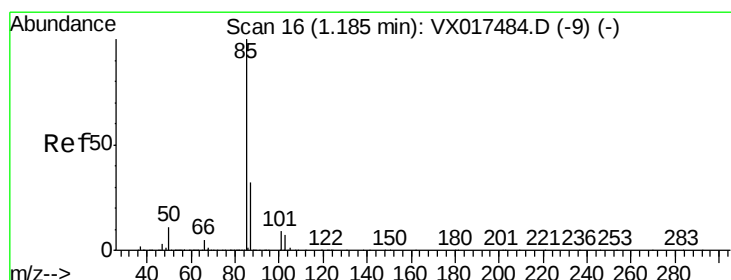
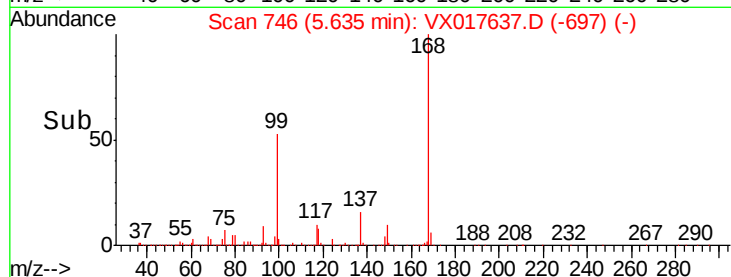
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017637.D

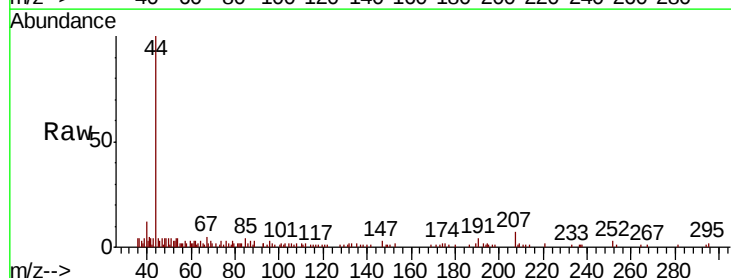
Acq: 27 Jul 2020 23:06

Tgt Ion: 85 Resp: 592

Ion Ratio Lower Upper

85 100

87 21.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

300

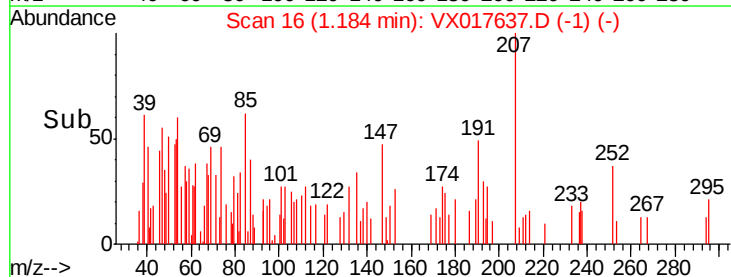
200

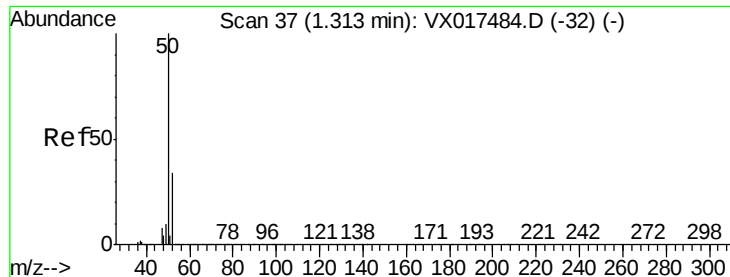
100

0

Time-->

1.15 1.20





#3

Chloromethane

Concen: 0.525 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

Instrument :

MSVOA_X

ClientSampleId :

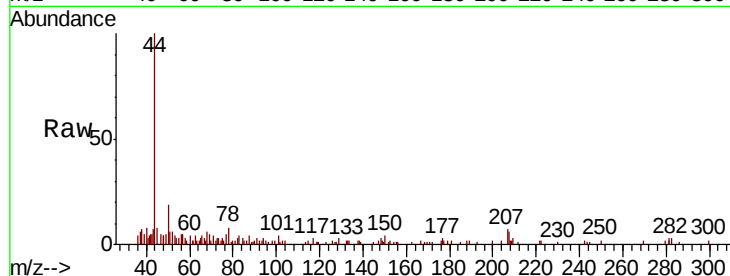
SY-7

Tot Ion: 50 Resp: 940

Ion Ratio Lower Upper

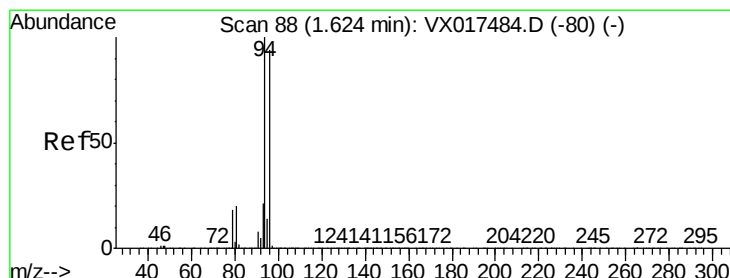
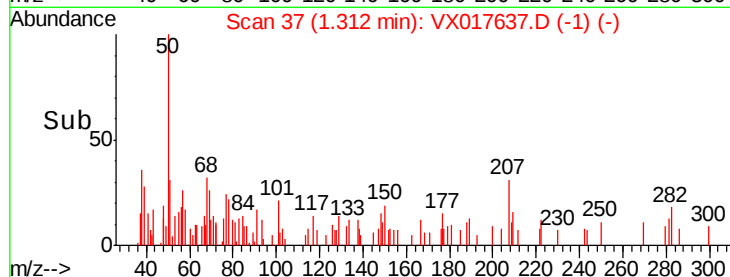
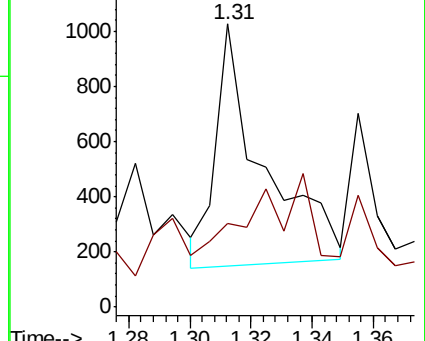
50 100

52 14.5 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 86

Delta R.T. -0.01 min

Lab File: VX017637.D

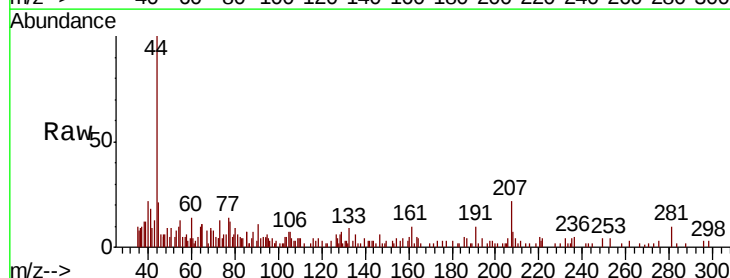
Acq: 27 Jul 2020 23:06

Tgt Ion: 94 Resp: 137

Ion Ratio Lower Upper

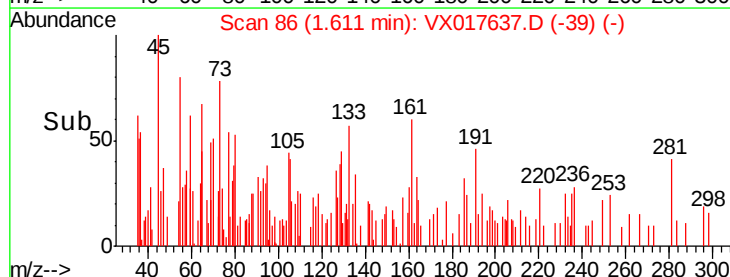
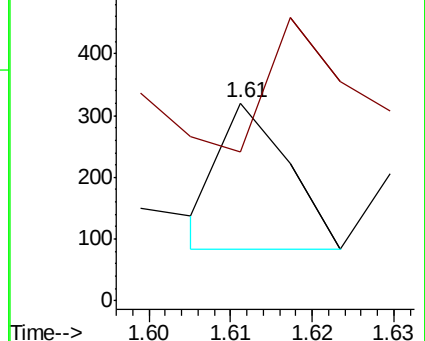
94 100

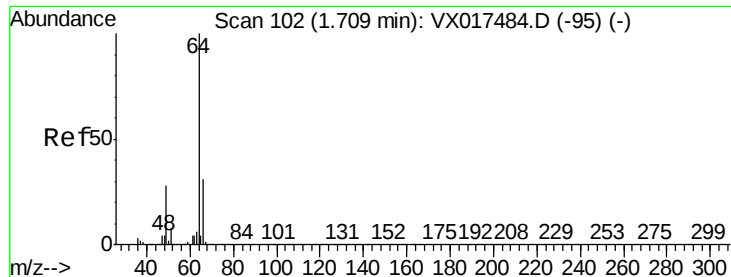
96 0.0 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

Instrument :

MSVOA_X

ClientSampled :

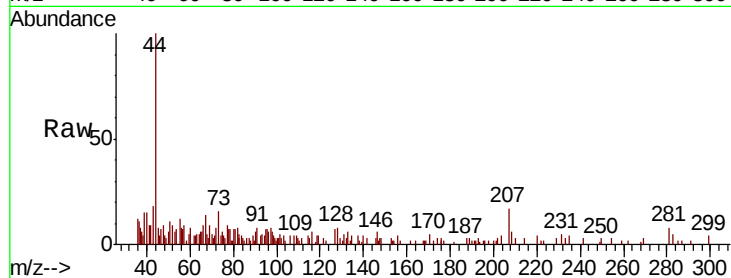
SY-7

Tot Ion: 64 Resp: 226

Ion Ratio Lower Upper

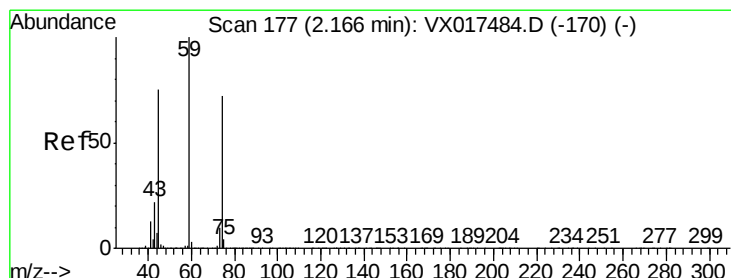
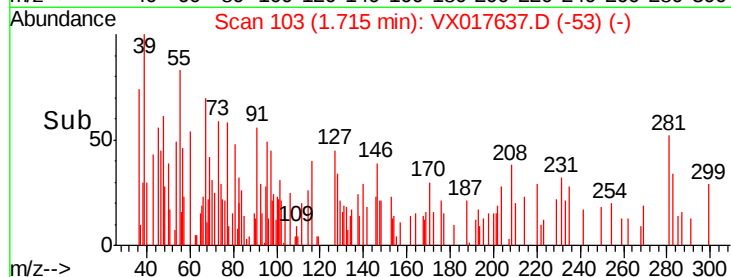
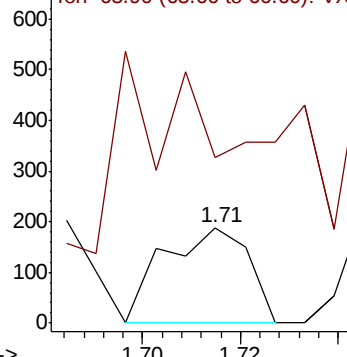
64 100

66 0.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VX017637.D

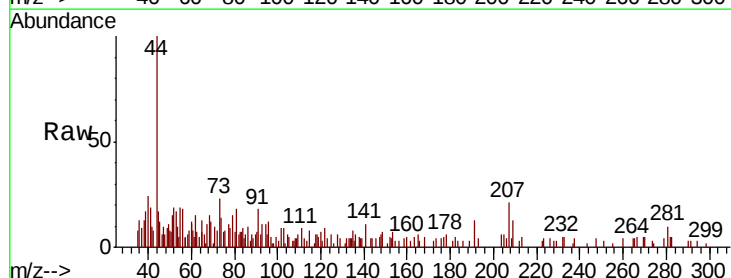
Acq: 27 Jul 2020 23:06

Tgt Ion: 74 Resp: 734

Ion Ratio Lower Upper

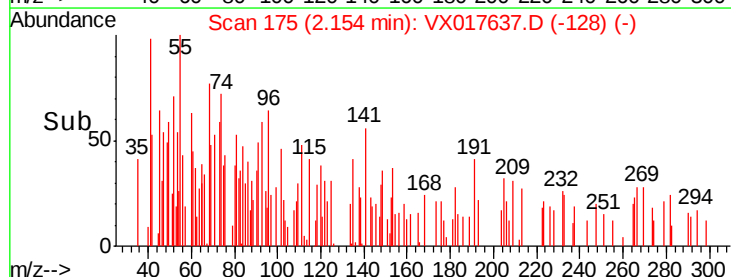
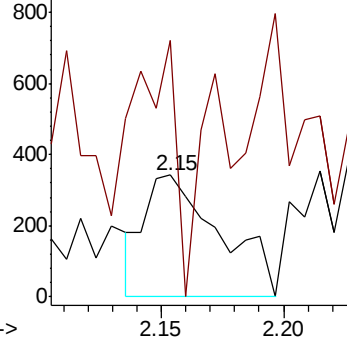
74 100

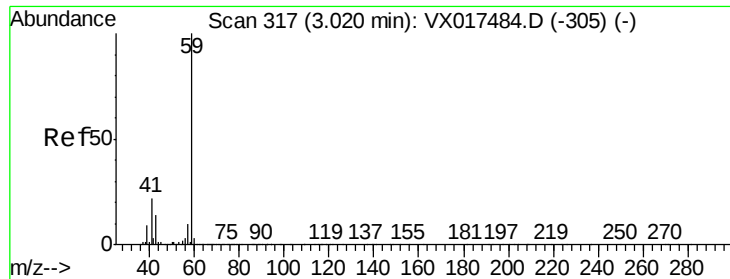
45 118.9 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

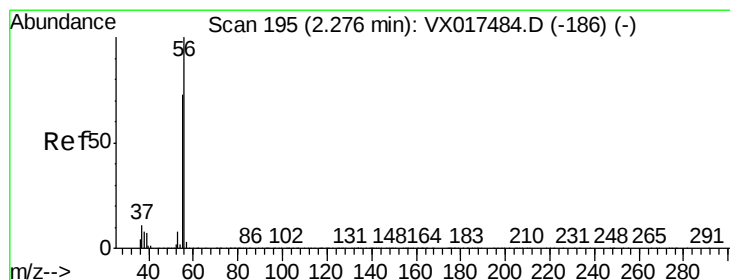
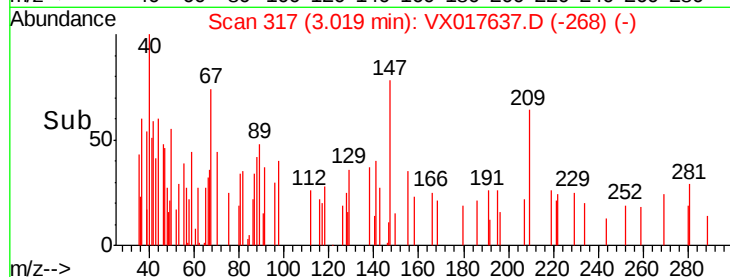
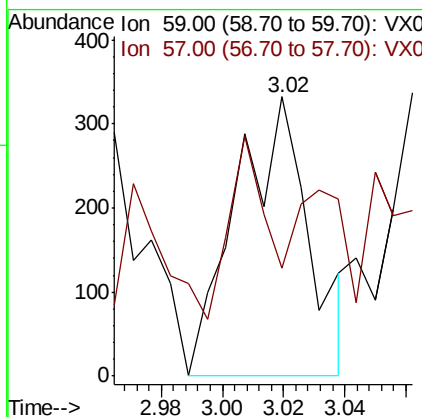
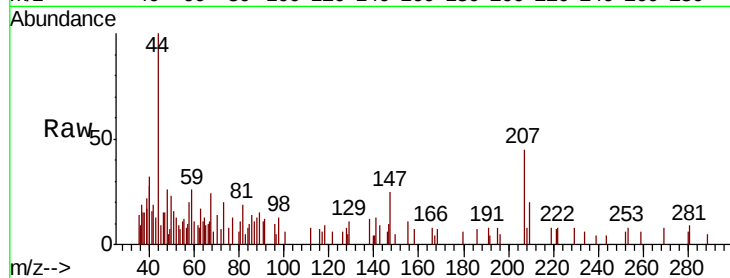




#11
Tert butyl alcohol
Concen: 0.426 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX017637.D
Acq: 27 Jul 2020 23:06

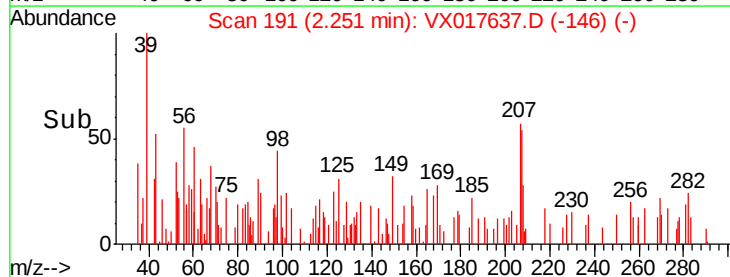
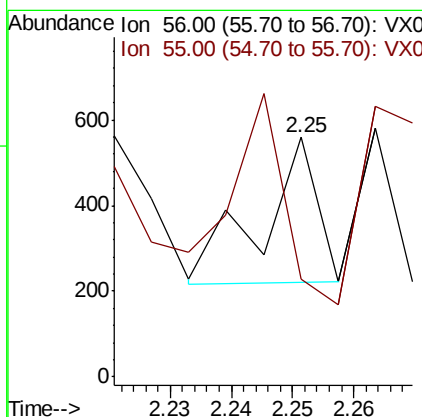
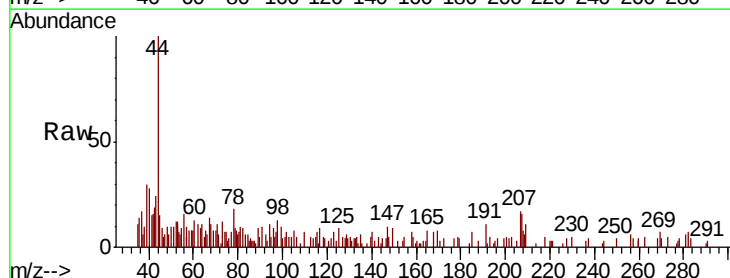
Instrument :
MSVOA_X
ClientSampled :
SY-7

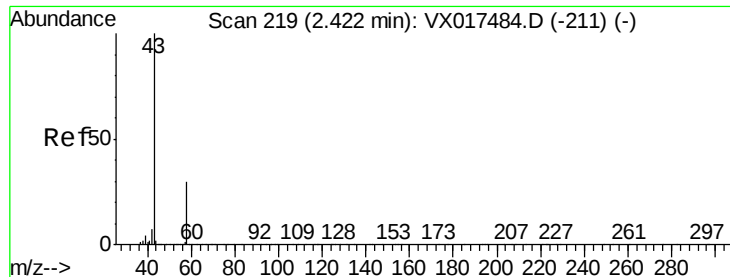
Tot Ion: 59 Resp: 549
Ion Ratio Lower Upper
59 100
57 39.7 8.6 12.8#



#13
Acrolein
Concen: 4.361 ug/l
RT: 2.25 min Scan# 191
Delta R.T. -0.02 min
Lab File: VX017637.D
Acq: 27 Jul 2020 23:06

Tgt Ion: 56 Resp: 212
Ion Ratio Lower Upper
56 100
55 132.1 57.4 86.2#

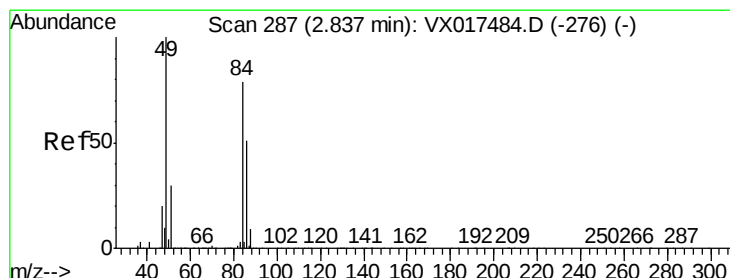
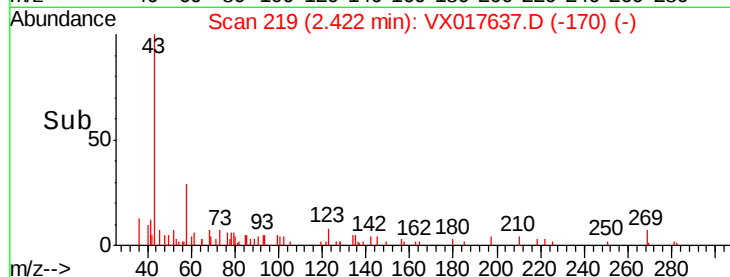
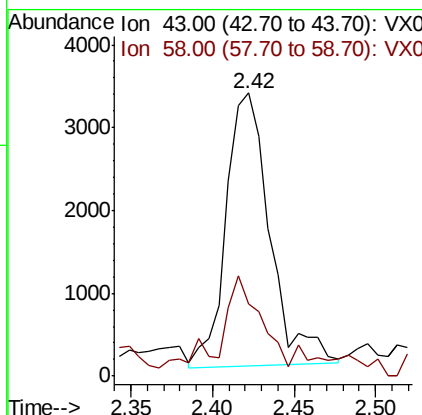
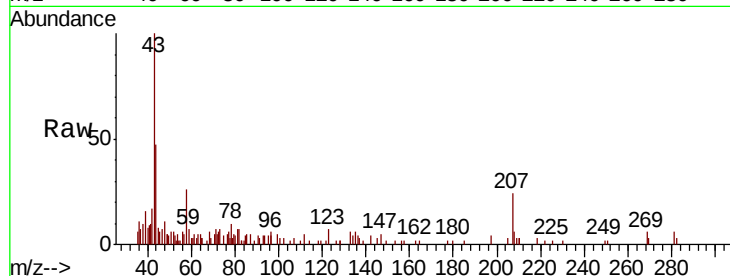




#16
Acetone
Concen: 2.301 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017637.D
Acq: 27 Jul 2020 23:06

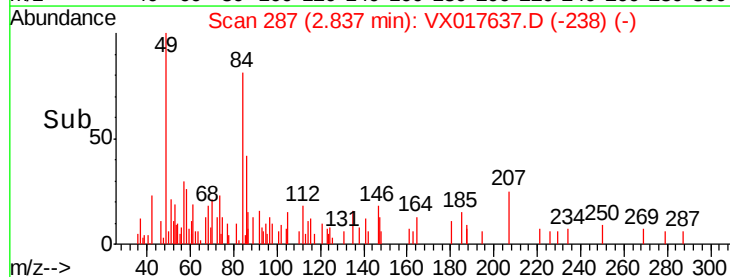
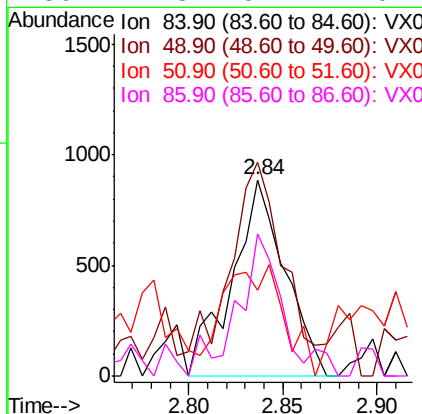
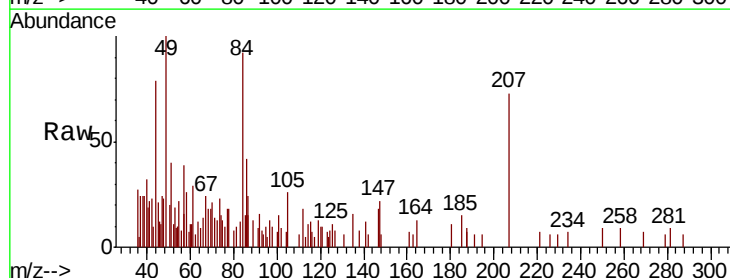
Instrument :
MSVOA_X
ClientSampleId :
SY-7

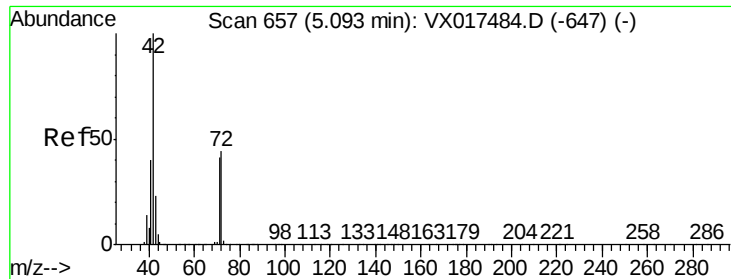
Tot Ion: 43 Resp: 6191
Ion Ratio Lower Upper
43 100
58 22.1 24.2 36.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017637.D
Acq: 27 Jul 2020 23:06

Tgt Ion: 84 Resp: 1723
Ion Ratio Lower Upper
84 100
49 85.7 100.3 150.5#
51 31.2 30.5 45.7
86 72.3 51.1 76.7

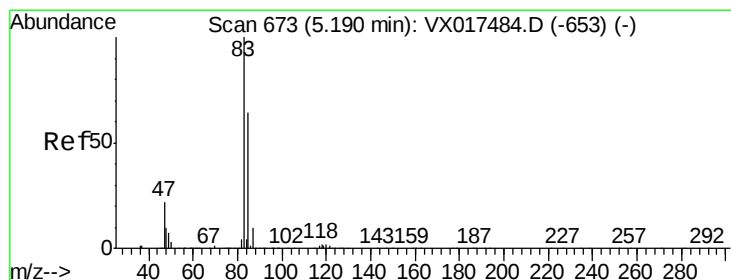
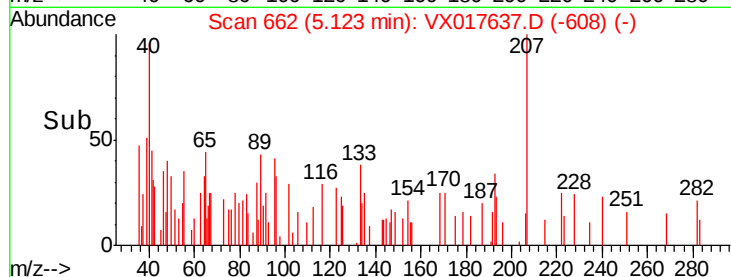
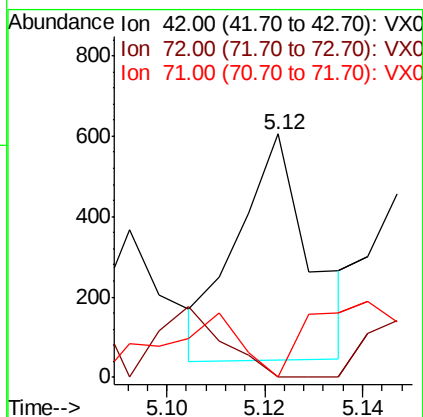
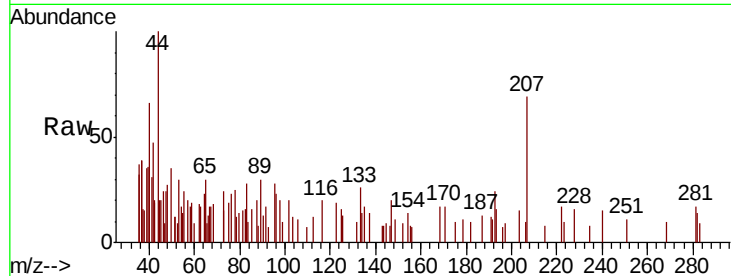




#29
Tetrahydrofuran
Concen: 0.245 ug/l
RT: 5.12 min Scan# 662
Delta R.T. 0.03 min
Lab File: VX017637.D
Acq: 27 Jul 2020 23:06

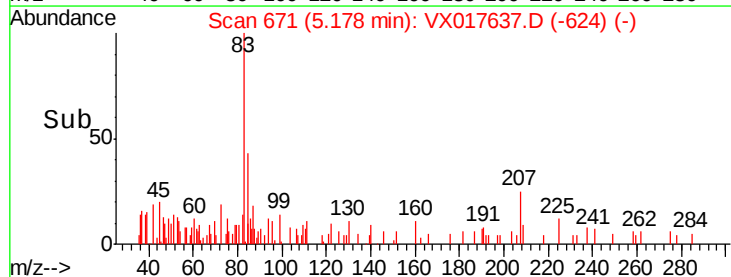
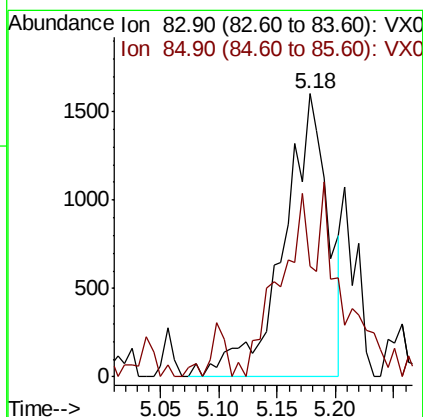
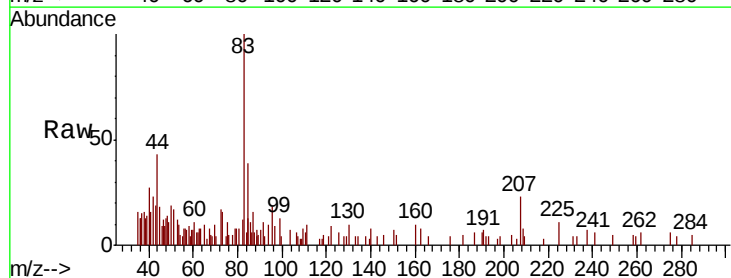
Instrument :
MSVOA_X
ClientSampleId :
SY-7

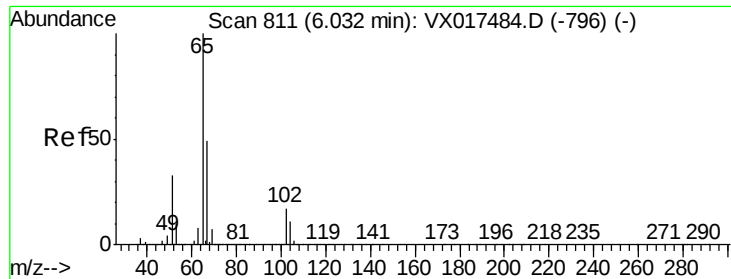
Tot Ion: 42 Resp: 580
Ion Ratio Lower Upper
42 100
72 27.8 35.5 53.3#
71 20.0 33.0 49.4#



#30
Chloroform
Concen: 0.440 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX017637.D
Acq: 27 Jul 2020 23:06

Tgt Ion: 83 Resp: 4251
Ion Ratio Lower Upper
83 100
85 37.4 51.4 77.2#





#33

1,2-Dichloroethane-d4

Concen: 54.048 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

Instrument :

MSVOA_X

ClientSampled :

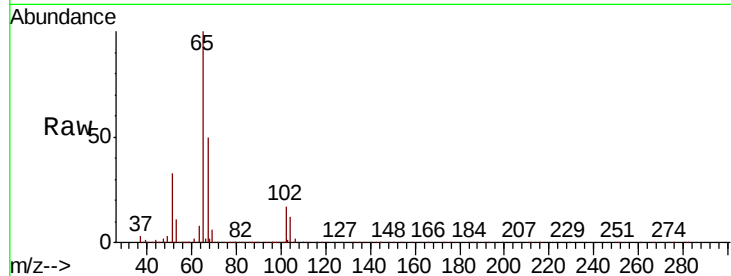
SY-7

Tot Ion: 65 Resp: 330361

Ion Ratio Lower Upper

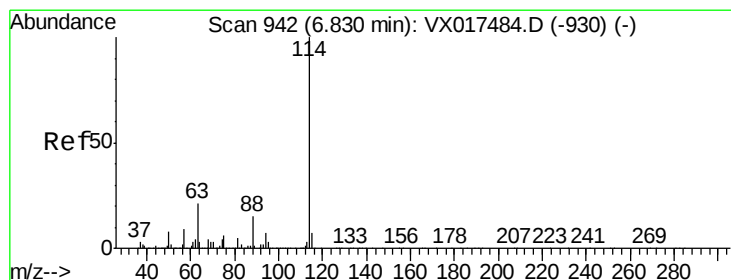
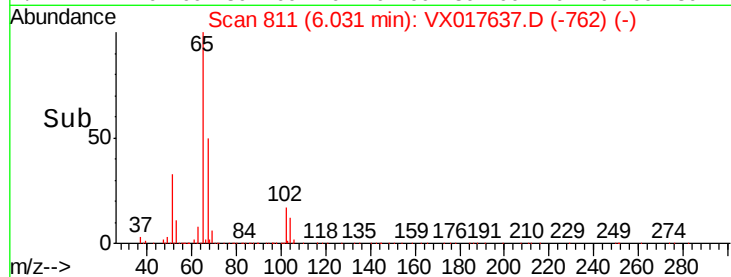
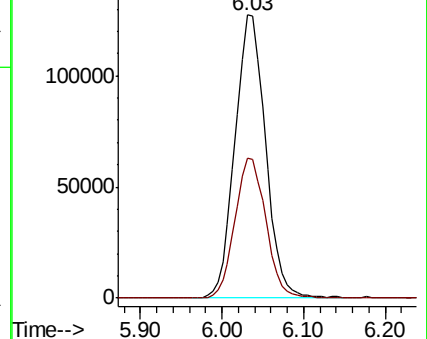
65 100

67 49.9 0.0 102.8



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

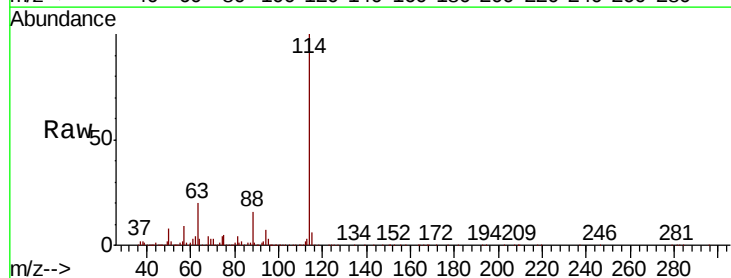
Tgt Ion: 114 Resp: 766513

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.6

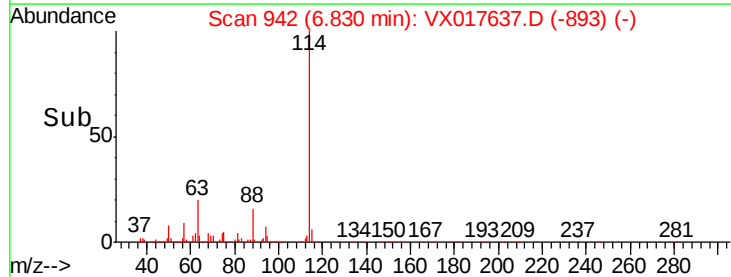
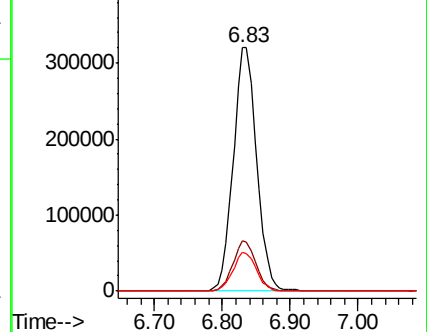
88 16.1 0.0 33.4

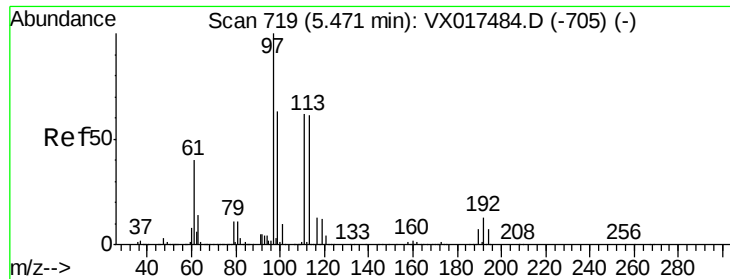


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.356 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

Instrument :

MSVOA_X

ClientSampled :

SY-7

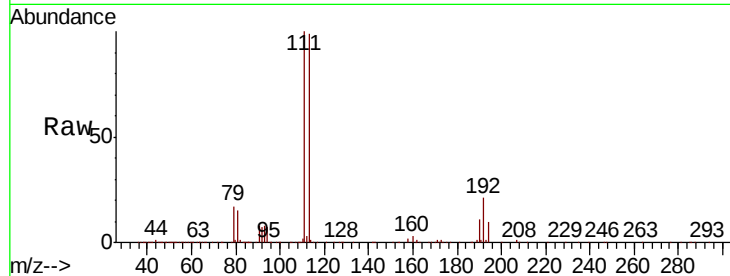
Tot Ion:113 Resp: 273528

Ion Ratio Lower Upper

113 100

111 101.3 80.7 121.1

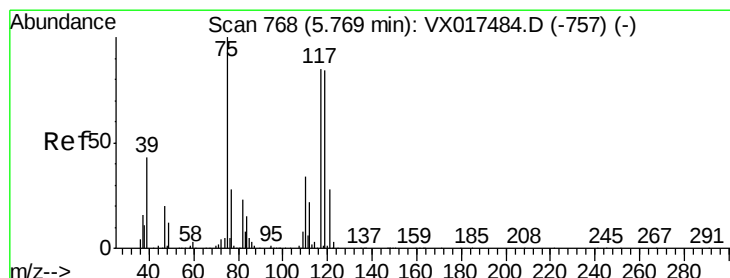
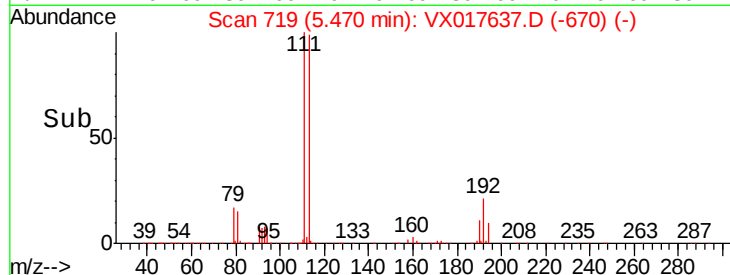
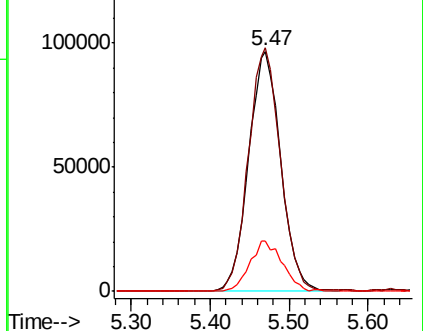
192 21.3 16.9 25.3



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: 5.019 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

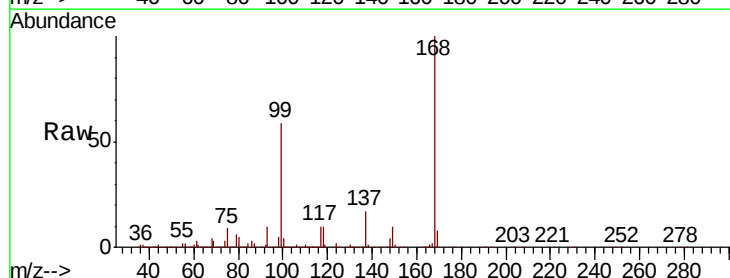
Tgt Ion: 75 Resp: 36894

Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.3#

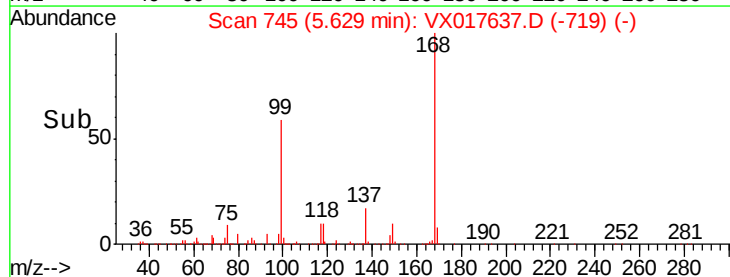
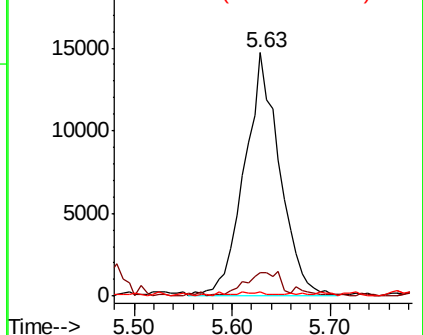
77 0.0 24.6 37.0#

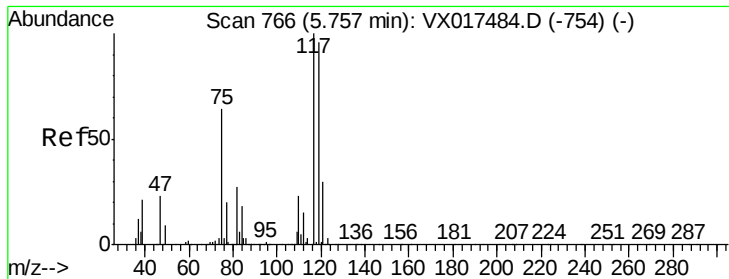


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.229 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

Instrument :

MSVOA_X

ClientSampled :

SY-7

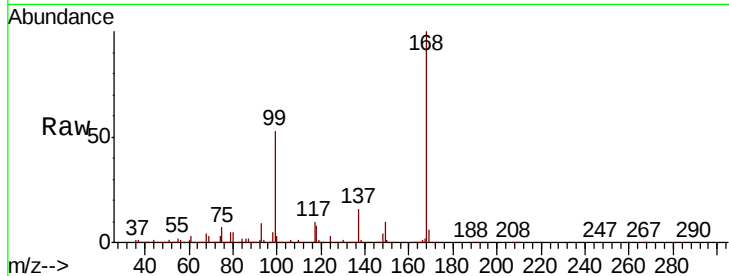
Tot Ion:117 Resp: 46679

Ion Ratio Lower Upper

117 100

119 7.1 75.4 113.0#

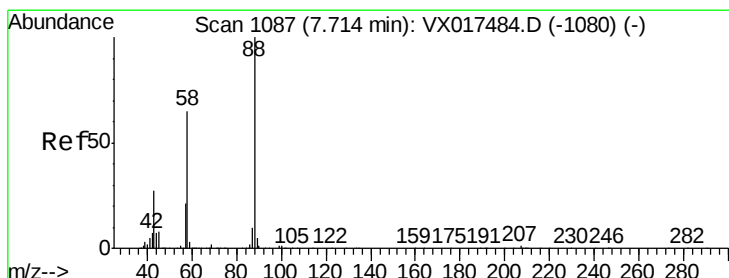
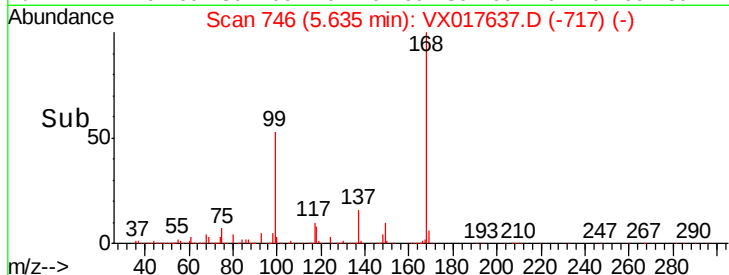
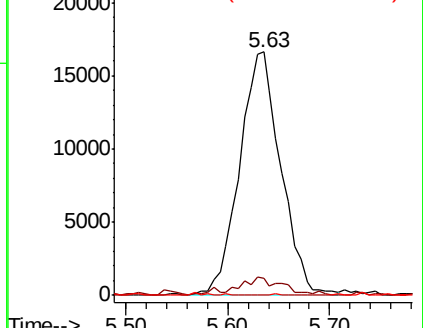
121 0.0 24.3 36.5#



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: 2.442 ug/l

RT: 7.68 min Scan# 1081

Delta R.T. -0.04 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

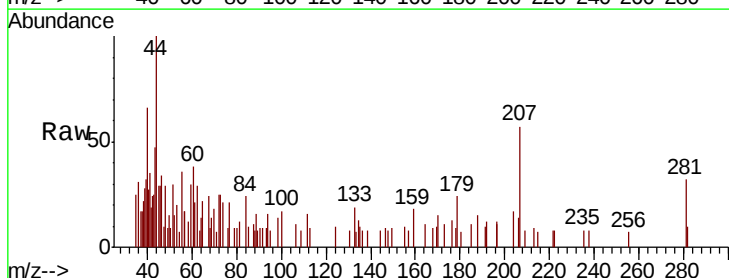
Tgt Ion: 88 Resp: 308

Ion Ratio Lower Upper

88 100

43 136.0 27.8 41.6#

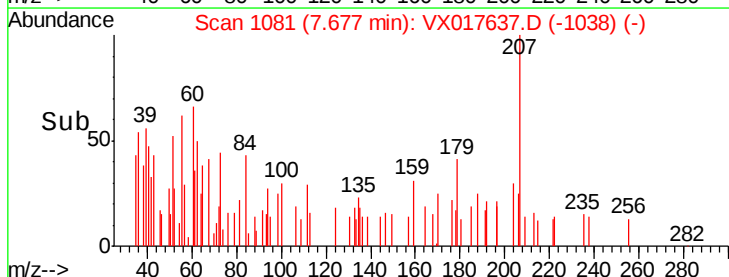
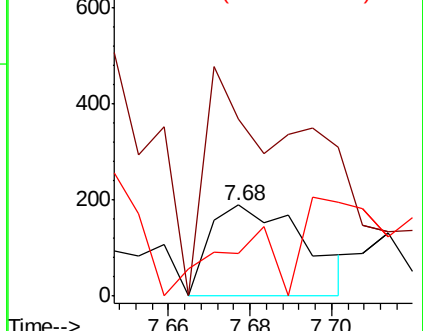
58 0.0 58.3 87.5#

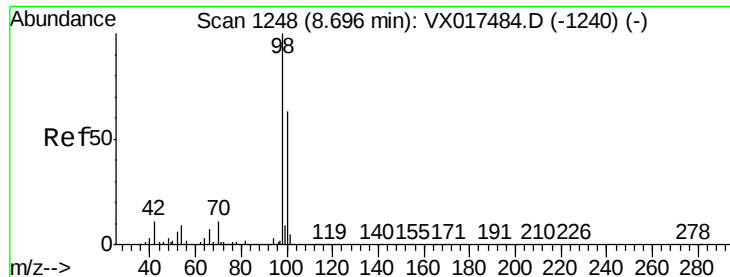


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.257 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

Instrument :

MSVOA_X

ClientSampleId :

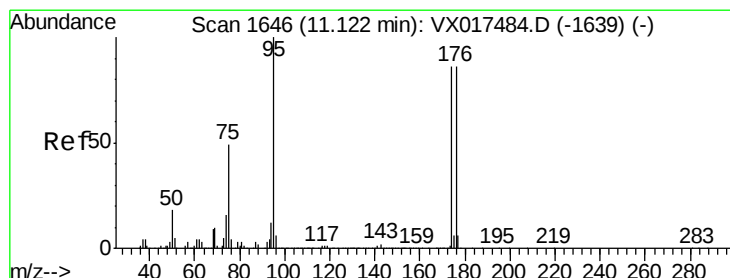
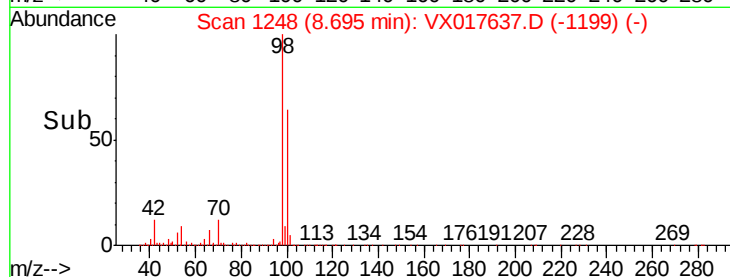
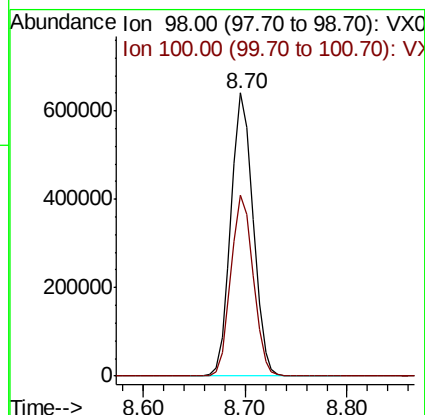
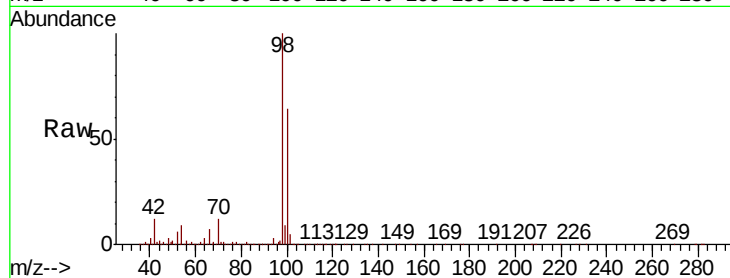
SY-7

Tot Ion: 98 Resp: 966429

Ion Ratio Lower Upper

98 100

100 64.4 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 59.091 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

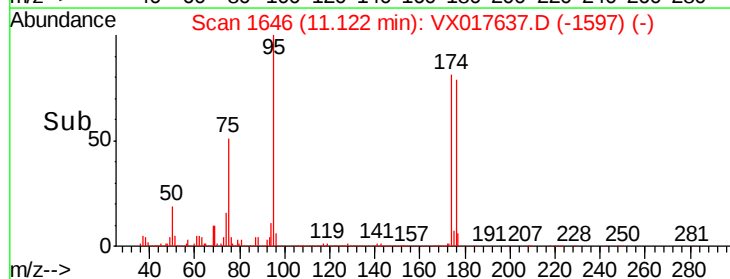
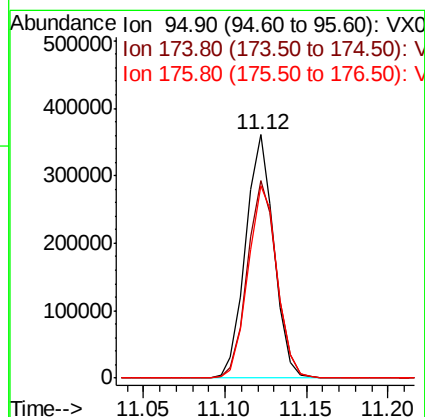
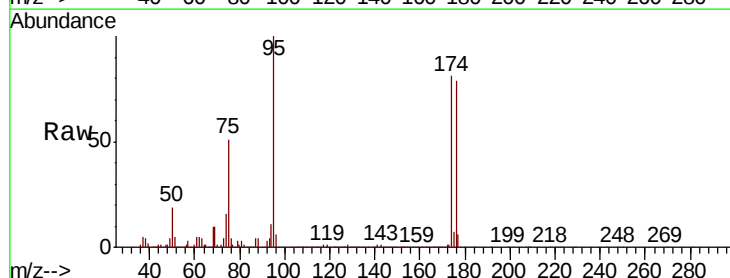
Tgt Ion: 95 Resp: 437348

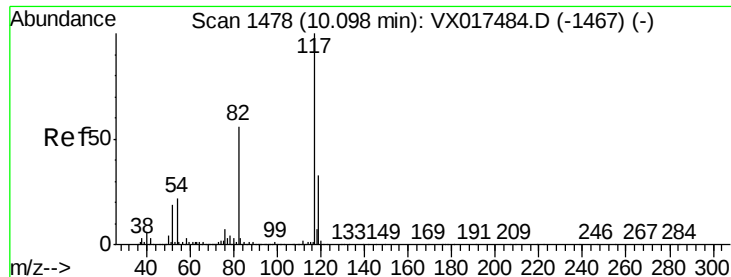
Ion Ratio Lower Upper

95 100

174 83.6 0.0 169.0

176 81.5 0.0 161.0

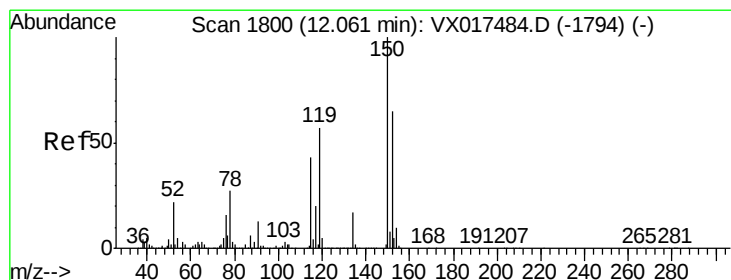
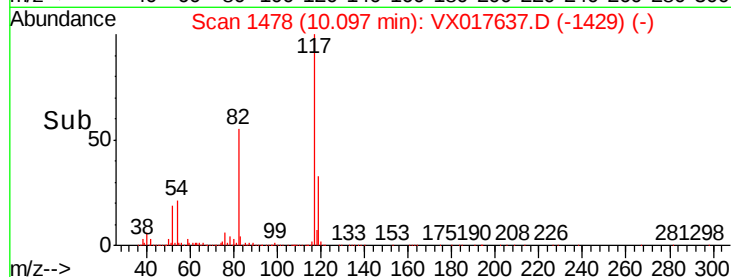
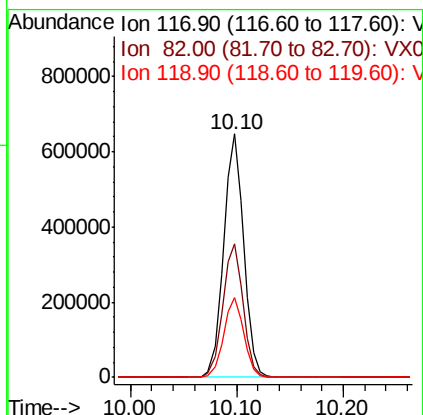
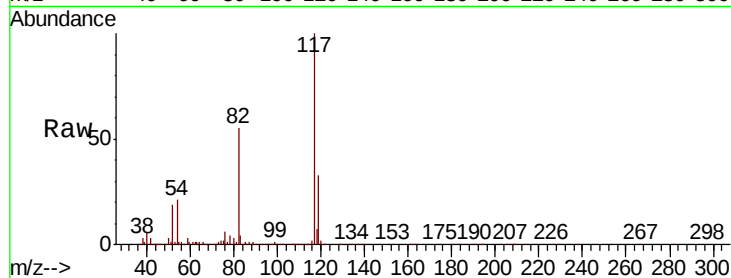




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017637.D
Acq: 27 Jul 2020 23:06

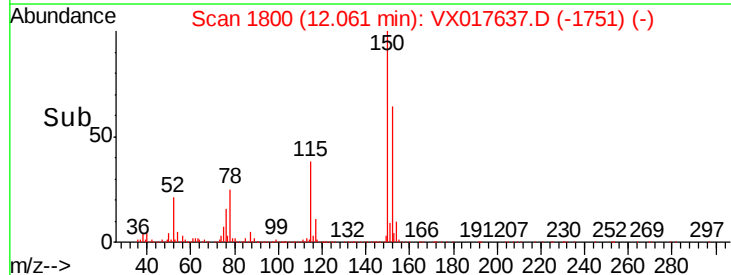
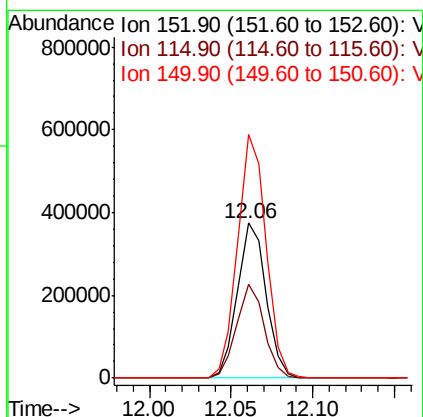
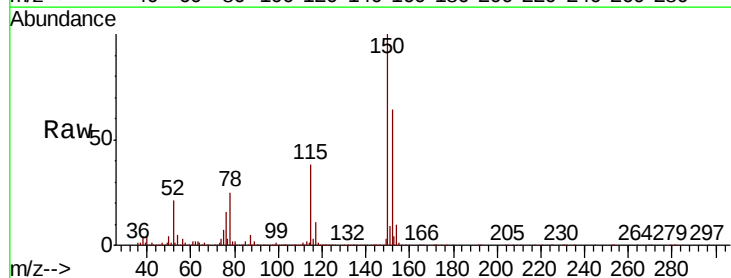
Instrument :
MSVOA_X
ClientSampled :
SY-7

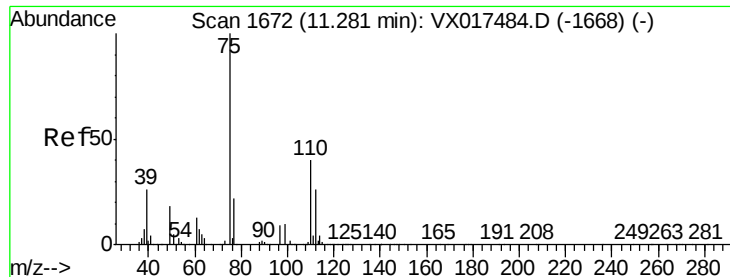
Tot Ion:117 Resp: 853149
Ion Ratio Lower Upper
117 100
82 54.9 44.0 66.0
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017637.D
Acq: 27 Jul 2020 23:06

Tgt Ion:152 Resp: 459917
Ion Ratio Lower Upper
152 100
115 58.1 65.5 196.6#
150 156.3 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 23.366 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

Instrument :

MSVOA_X

ClientSampled :

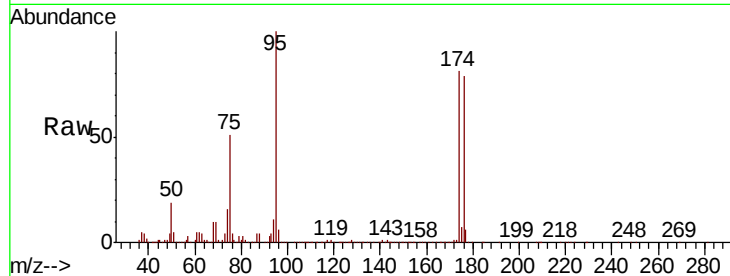
SY-7

Tot Ion: 75 Resp: 221058

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

200000

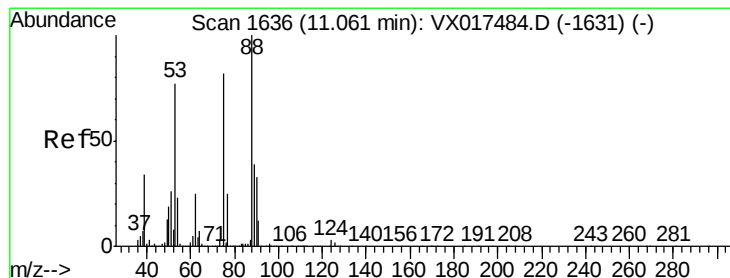
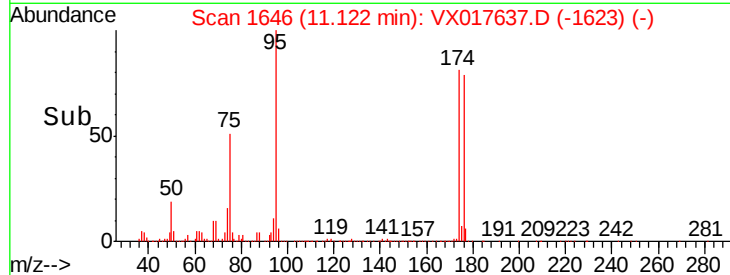
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 58.877 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

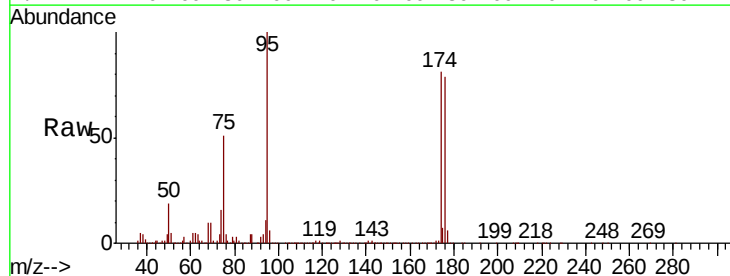
Tgt Ion: 75 Resp: 221058

Ion Ratio Lower Upper

75 100

53 0.5 75.9 113.9#

89 0.1 37.8 56.6#



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

250000

200000

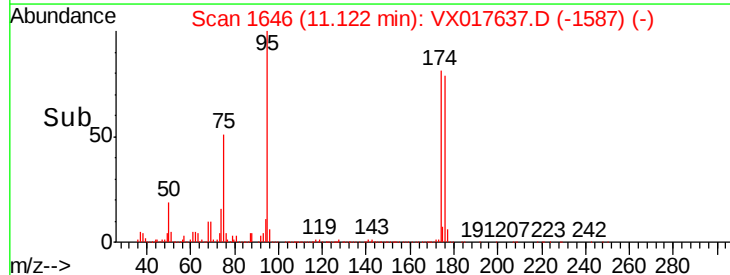
150000

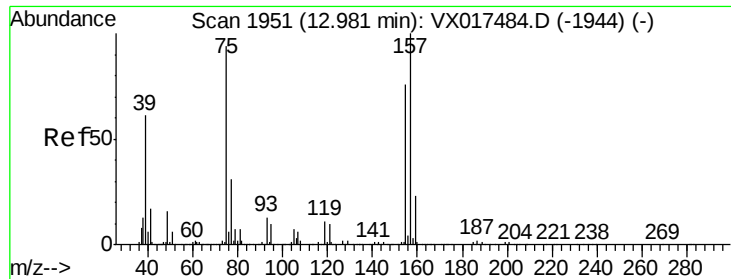
100000

50000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.658 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017637.D

Acq: 27 Jul 2020 23:06

Instrument :

MSVOA_X

ClientSampleId :

SY-7

Tot Ion: 75 Resp: 238

Ion Ratio Lower Upper

75 100

155 0.0 42.3 126.8#

157 10.5 54.3 162.9#

