

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072720\
 Data File : VX017641.D
 Acq On : 28 Jul 2020 00:38
 Operator : JC/SP
 Sample : L3442-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-2D

Quant Time: Jul 28 01:40:34 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	5.64	168	462128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	784372	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	832914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	466013	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	326237	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	
35) Dibromofluoromethane	5.47	113	262631	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
50) Toluene-d8	8.70	98	971935	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.12	95	431174	56.93	ug/l	0.00
Spiked Amount			Recovery	=	113.86%	

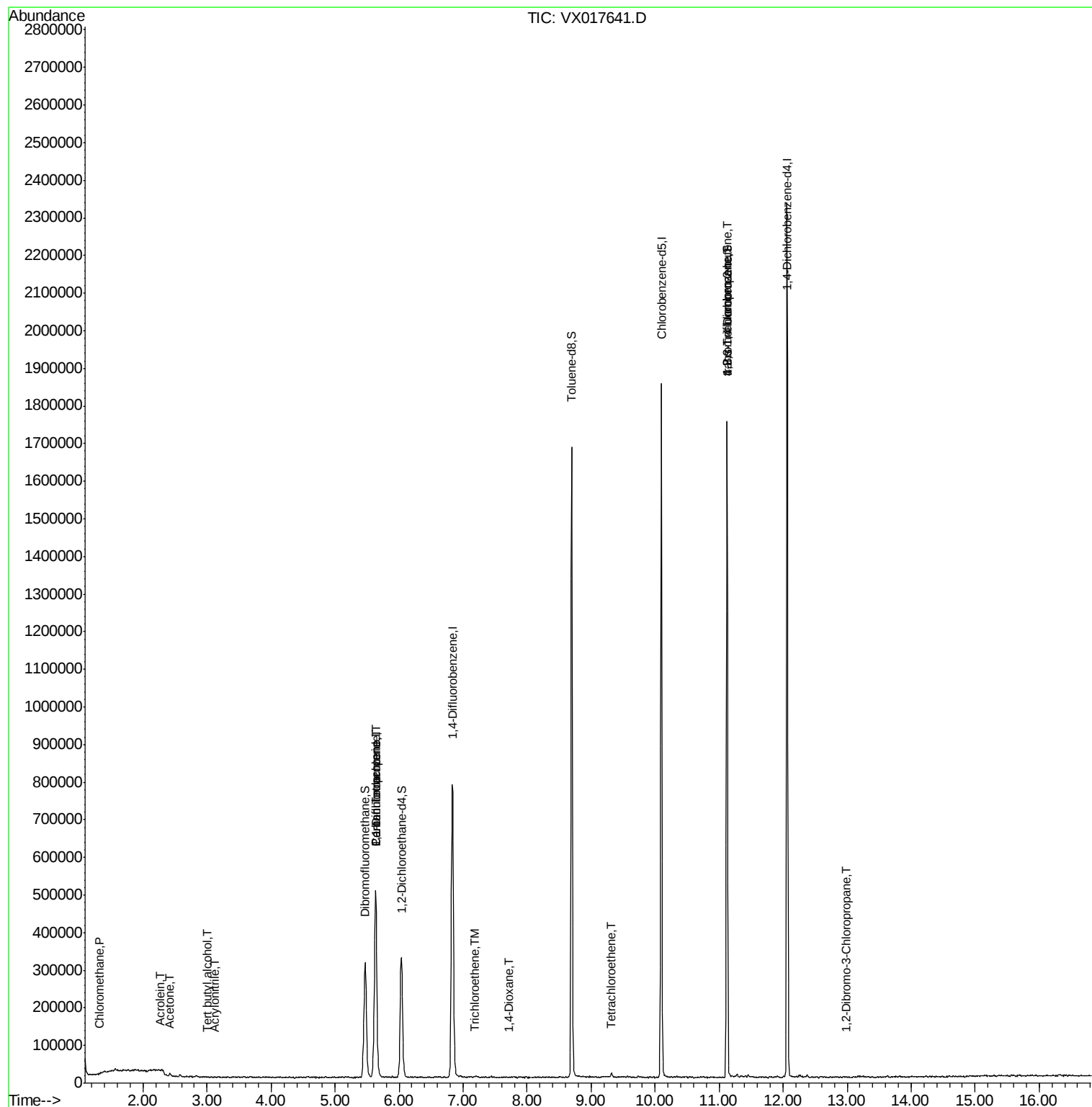
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	561	Below Cal	#	1
3) Chloromethane	1.31	50	1621	0.649	ug/l	98
5) Bromomethane	1.64	94	674	Below Cal	#	19
6) Chloroethane	1.70	64	442	Below Cal	#	46
8) Diethyl Ether	2.18	74	227	Below Cal		94
11) Tert butyl alcohol	3.00	59	623	0.498	ug/l #	63
13) Acrolein	2.27	56	291	4.448	ug/l #	71
15) Acrylonitrile	3.12	53	553	0.205	ug/l #	17
16) Acetone	2.42	43	6634	2.539	ug/l #	76
20) Methylene Chloride	2.84	84	1767	Below Cal	#	84
36) 1,1-Dichloropropene	5.64	75	34888	4.638	ug/l #	54
38) Carbon Tetrachloride	5.63	117	49490	5.417	ug/l #	17
44) Trichloroethene	7.18	130	1328	0.211	ug/l	61
49) 1,4-Dioxane	7.71	88	136	1.054	ug/l #	22
64) Tetrachloroethene	9.32	164	2153	0.288	ug/l #	62
76) 1,2,3-Trichloropropane	11.12	75	222618	23.223	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	222618	58.517	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.99	75	440	2.725	ug/l #	18

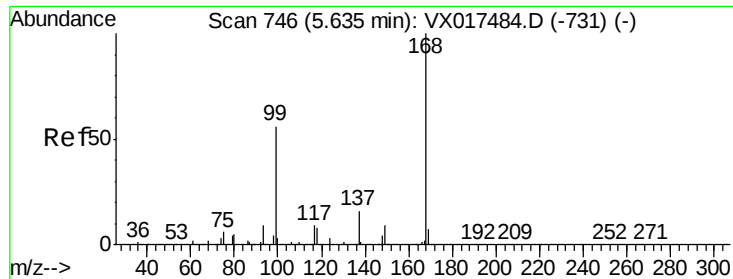
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072720\
Data File : VX017641.D
Acq On : 28 Jul 2020 00:38
Operator : JC/SP
Sample : L3442-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SY-2D

Quant Time: Jul 28 01:40:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017641.D

Acq: 28 Jul 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

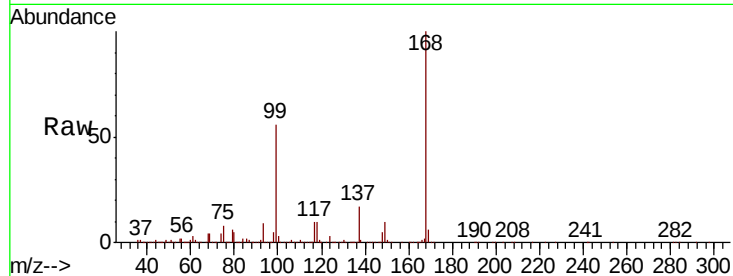
SY-2D

Tot Ion:168 Resp: 462128

Ion Ratio Lower Upper

168 100

99 55.9 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

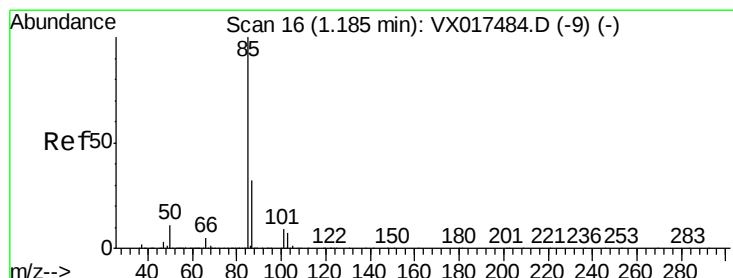
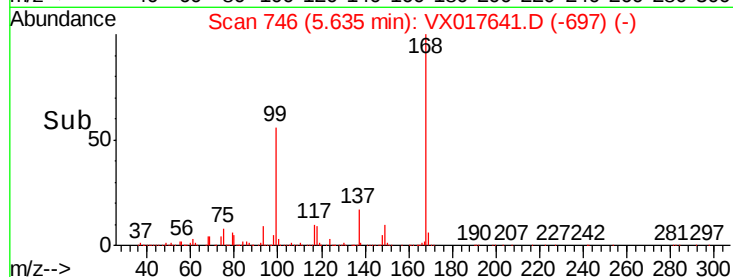
100000

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: VX017641.D

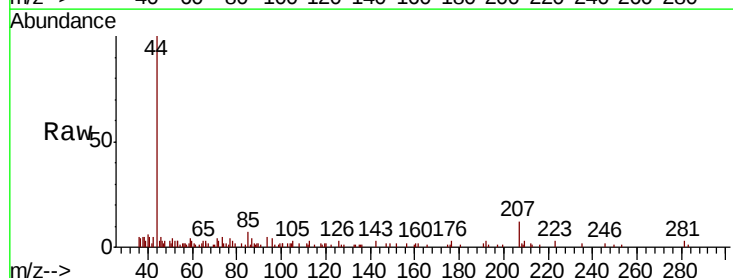
Acq: 28 Jul 2020 00:38

Tgt Ion: 85 Resp: 561

Ion Ratio Lower Upper

85 100

87 88.5 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

400

300

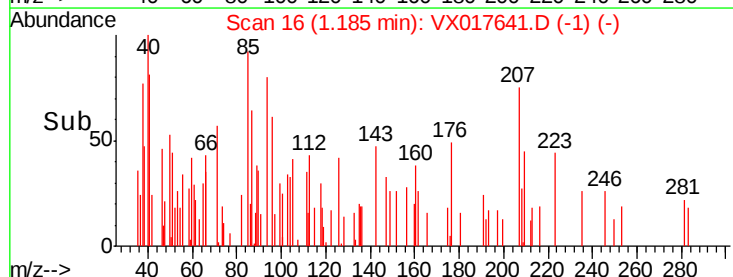
200

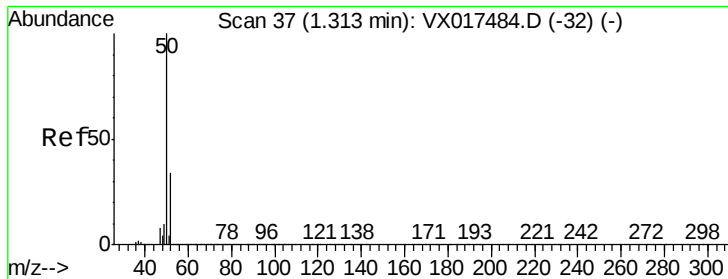
100

0

Time-->

1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.649 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017641.D

Acq: 28 Jul 2020 00:38

Instrument :

MSVOA_X

ClientSampled :

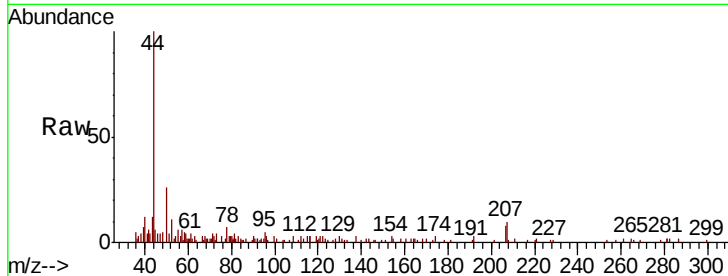
SY-2D

Tot Ion: 50 Resp: 1621

Ion Ratio Lower Upper

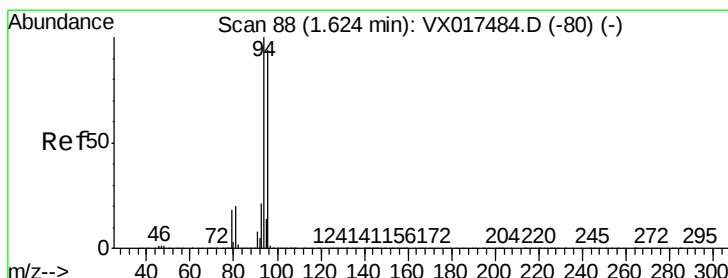
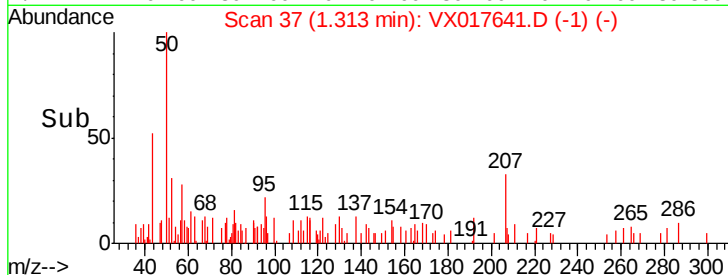
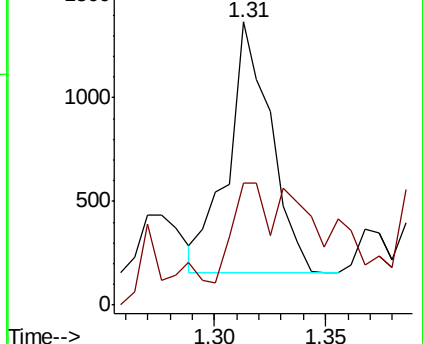
50 100

52 31.2 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: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017641.D

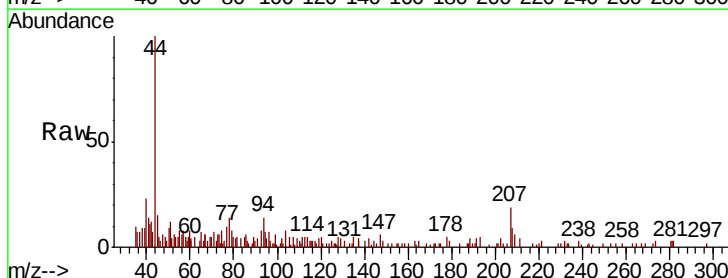
Acq: 28 Jul 2020 00:38

Tgt Ion: 94 Resp: 674

Ion Ratio Lower Upper

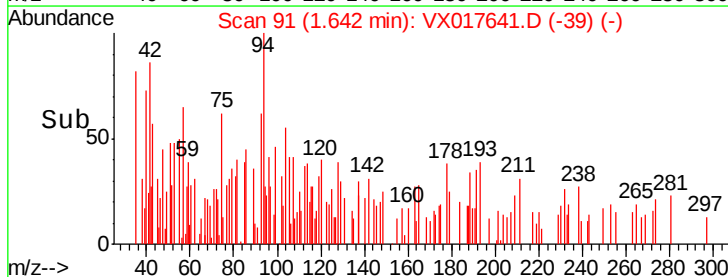
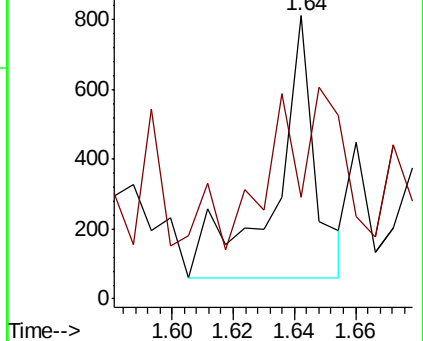
94 100

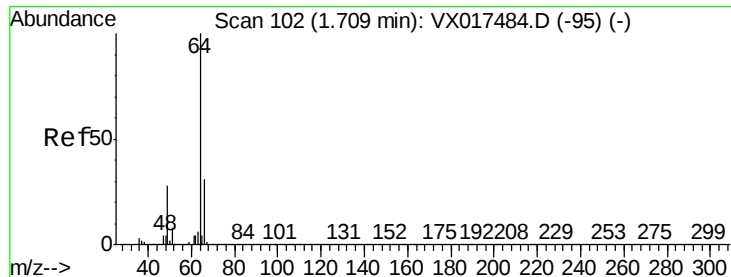
96 15.0 74.1 111.1#



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: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX017641.D

Acq: 28 Jul 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

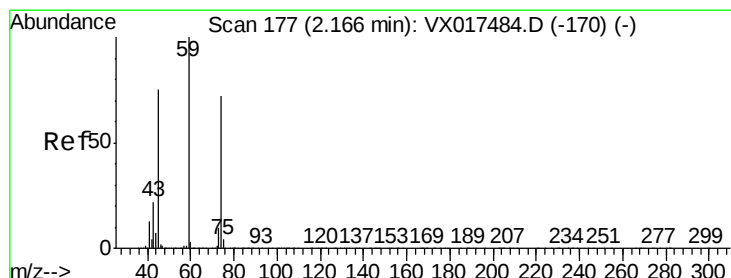
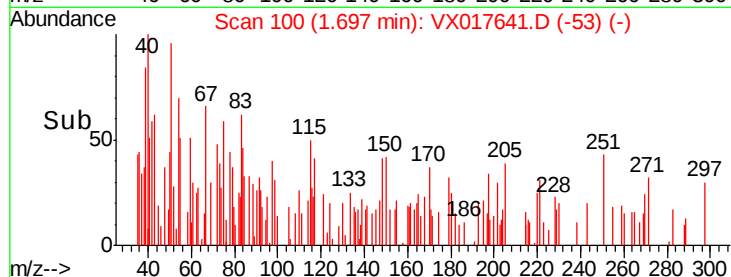
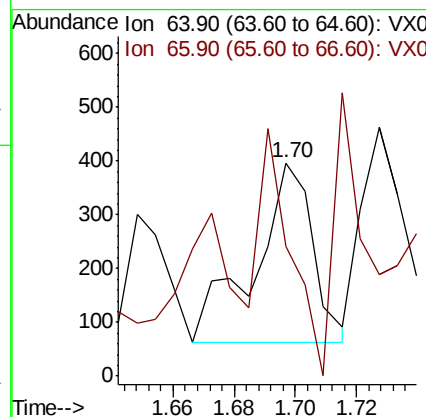
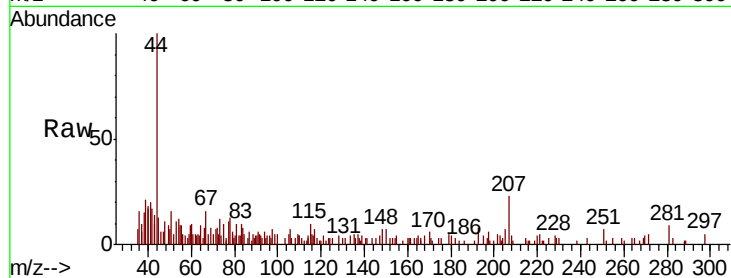
SY-2D

Tot Ion: 64 Resp: 442

Ion Ratio Lower Upper

64 100

66 1.5 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX017641.D

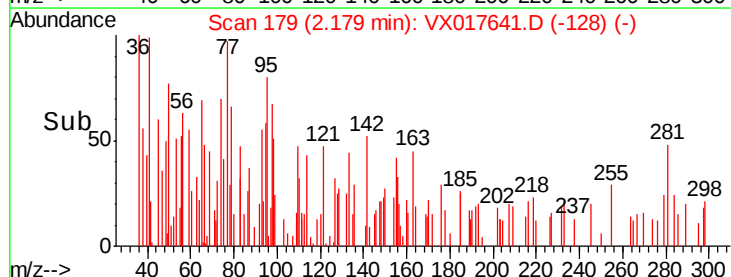
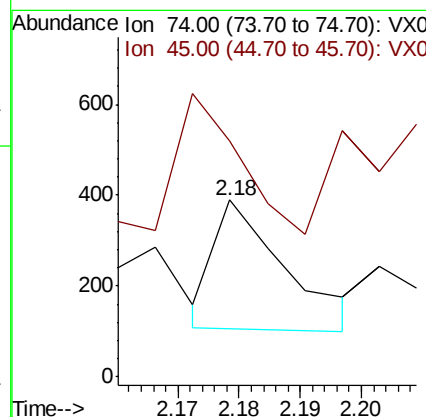
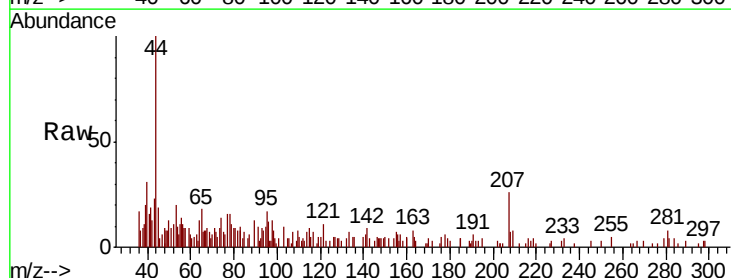
Acq: 28 Jul 2020 00:38

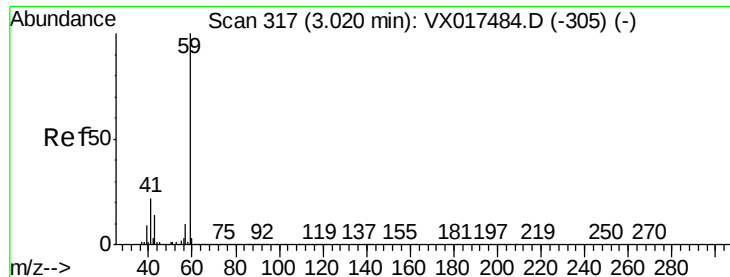
Tgt Ion: 74 Resp: 227

Ion Ratio Lower Upper

74 100

45 107.5 50.8 152.5





#11

Tert butyl alcohol

Concen: 0.498 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX017641.D

Acq: 28 Jul 2020 00:38

Instrument :

MSVOA_X

ClientSampled :

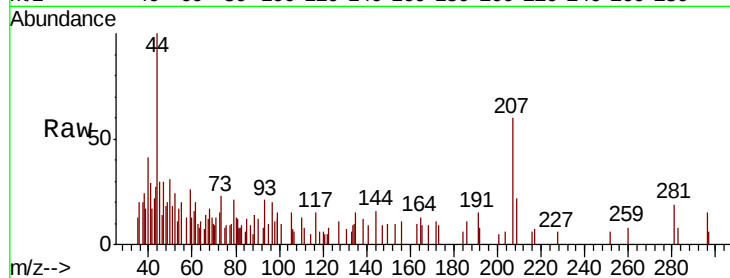
SY-2D

Tot Ion: 59 Resp: 623

Ion Ratio Lower Upper

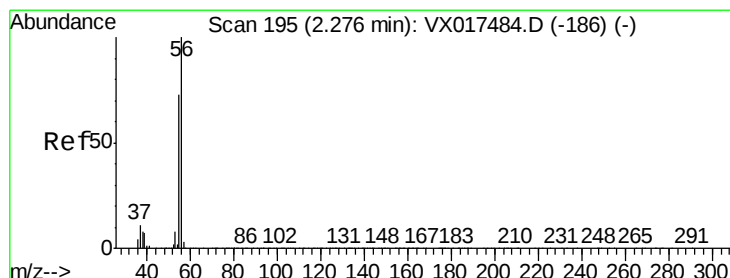
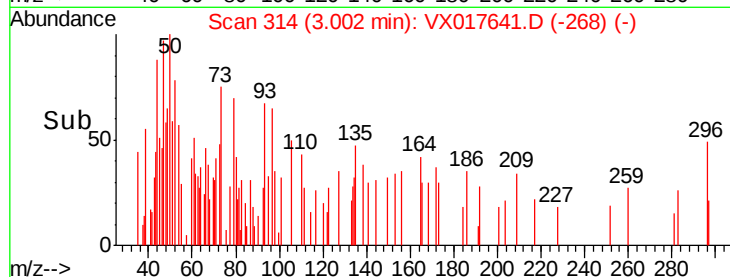
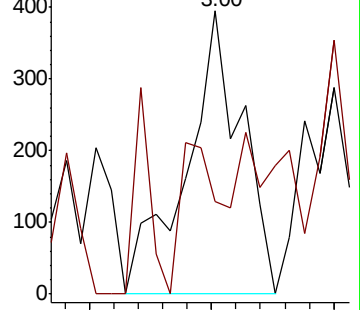
59 100

57 24.6 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 4.448 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017641.D

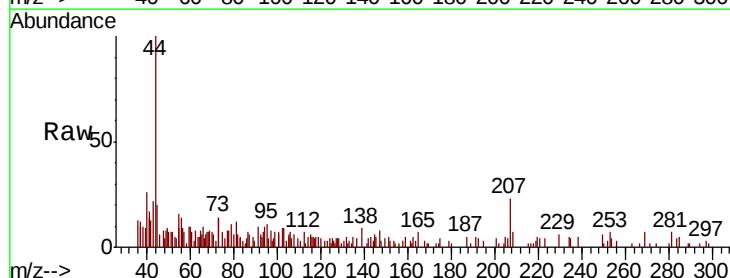
Acq: 28 Jul 2020 00:38

Tgt Ion: 56 Resp: 291

Ion Ratio Lower Upper

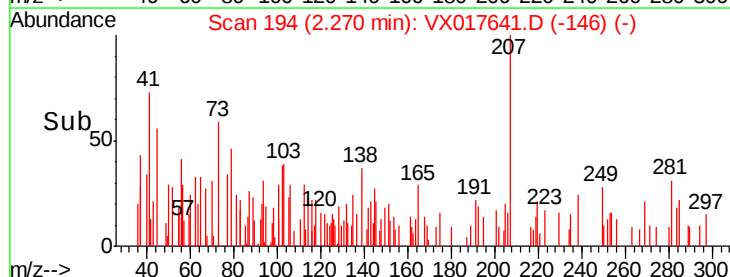
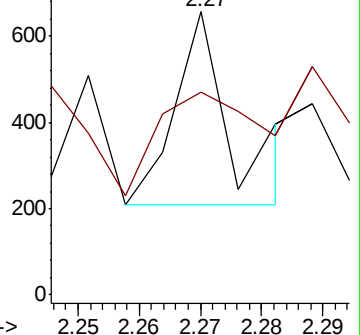
56 100

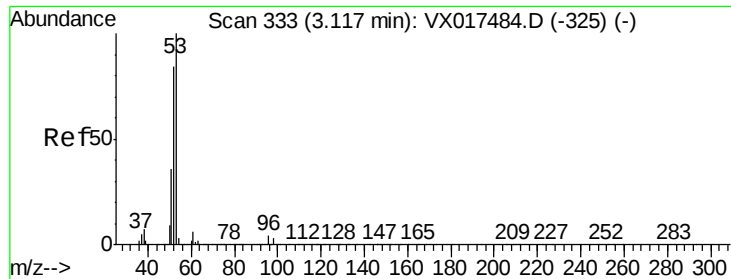
55 95.9 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

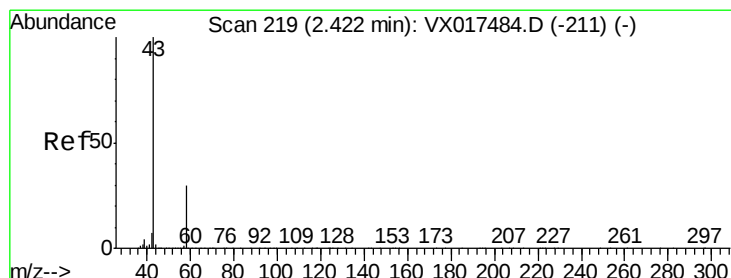
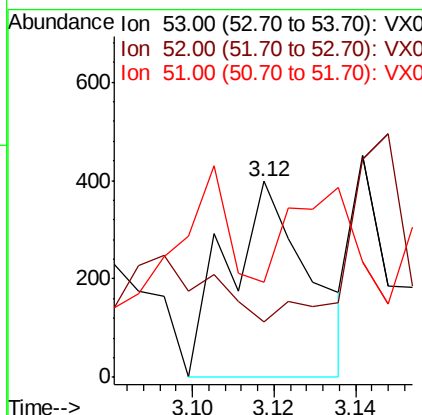
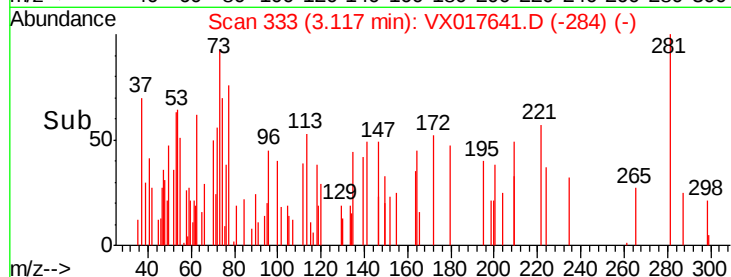
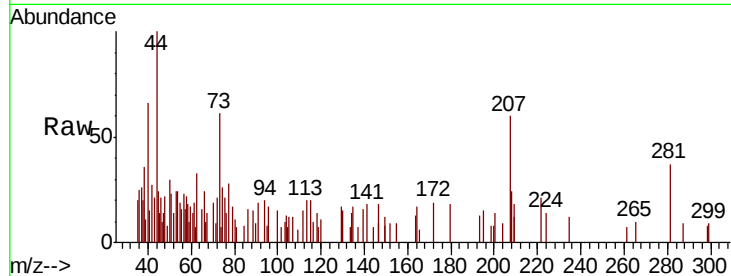




#15
 Acrylonitrile
 Concen: 0.205 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX017641.D
 Acq: 28 Jul 2020 00:38

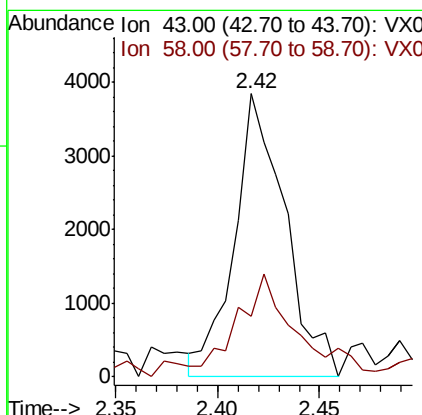
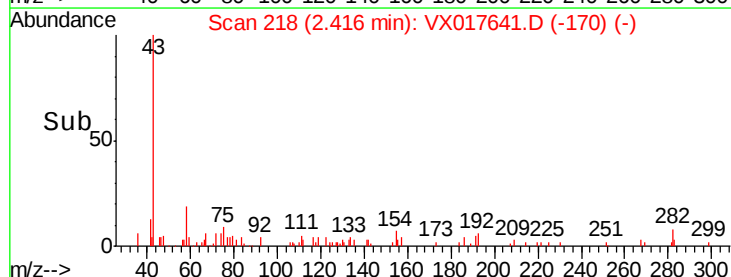
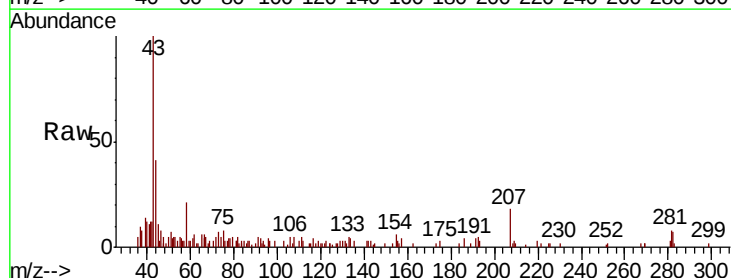
Instrument :
 MSVOA_X
 ClientSampled :
 SY-2D

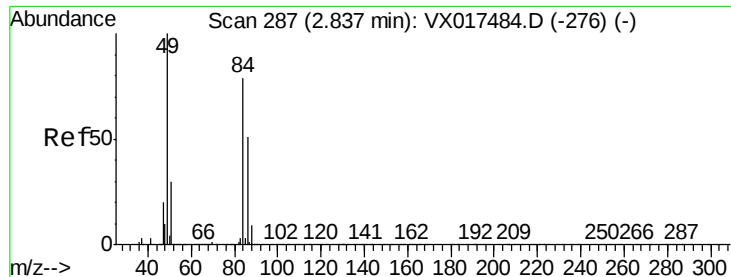
Tot Ion: 53 Resp: 553
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.6 99.8#
 51 0.0 29.4 44.2#



#16
 Acetone
 Concen: 2.539 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX017641.D
 Acq: 28 Jul 2020 00:38

Tgt Ion: 43 Resp: 6634
 Ion Ratio Lower Upper
 43 100
 58 17.4 24.2 36.4#

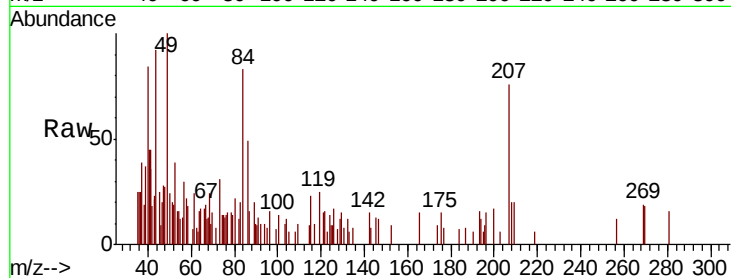




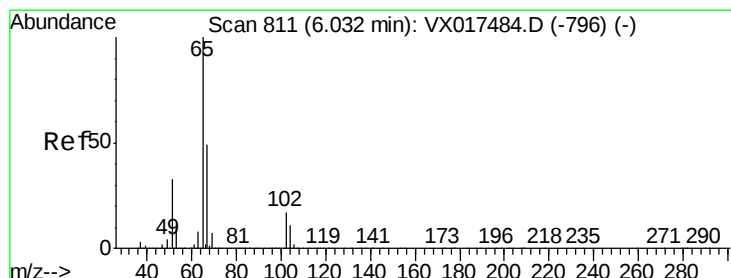
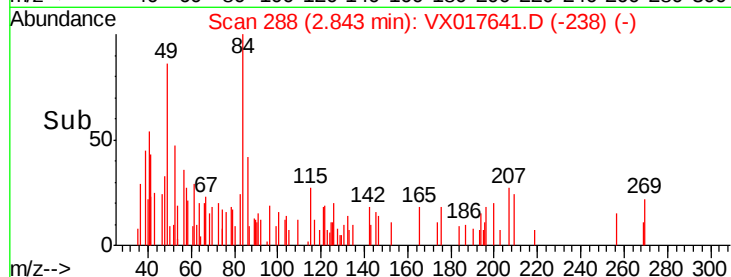
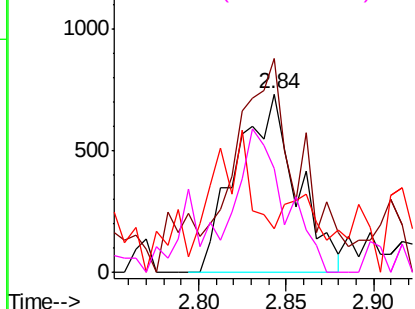
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX017641.D
Acq: 28 Jul 2020 00:38

Instrument :
MSVOA_X
ClientSampled :
SY-2D

Tot Ion: 84 Resp: 1767
Ion Ratio Lower Upper
84 100
49 97.4 100.3 150.5#
51 38.5 30.5 45.7
86 58.2 51.1 76.7

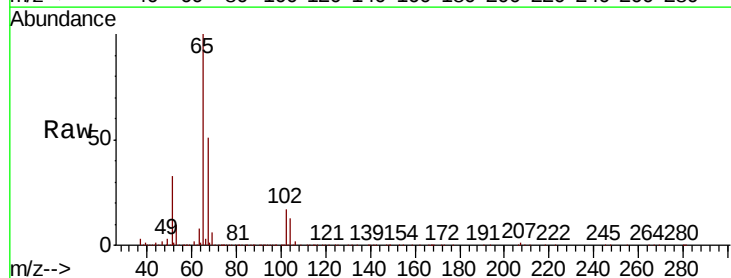


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

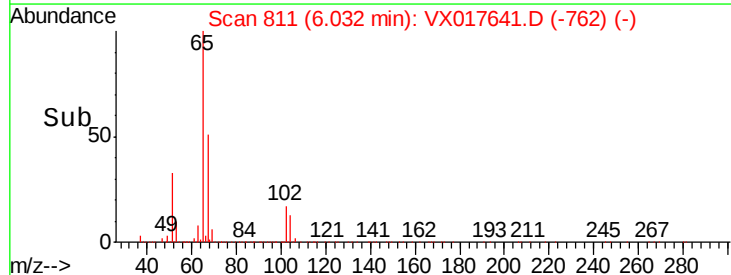
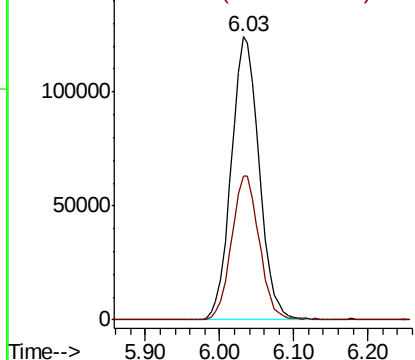


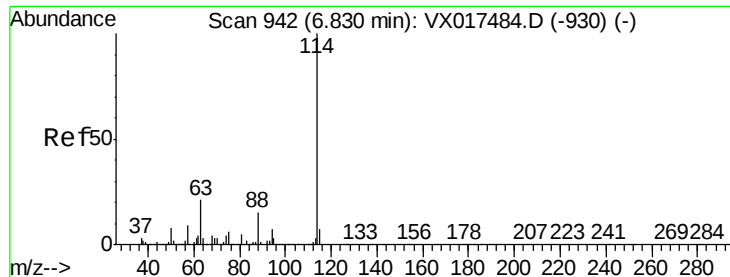
#33
1,2-Dichloroethane-d4
Concen: 54.957 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX017641.D
Acq: 28 Jul 2020 00:38

Tgt Ion: 65 Resp: 326237
Ion Ratio Lower Upper
65 100
67 50.6 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: VX017641.D

Acq: 28 Jul 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

SY-2D

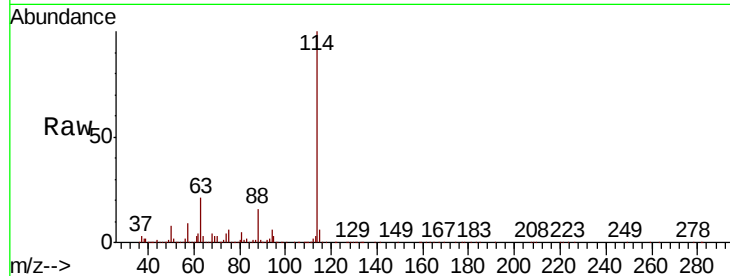
Tot Ion:114 Resp: 784372

Ion Ratio Lower Upper

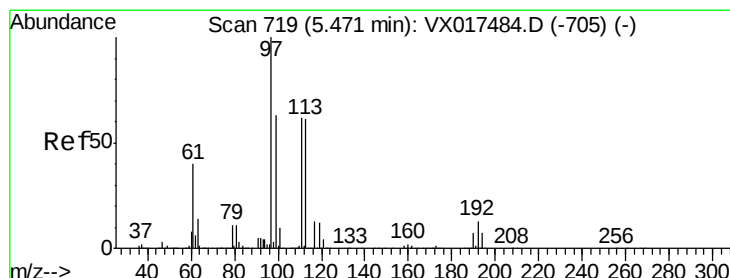
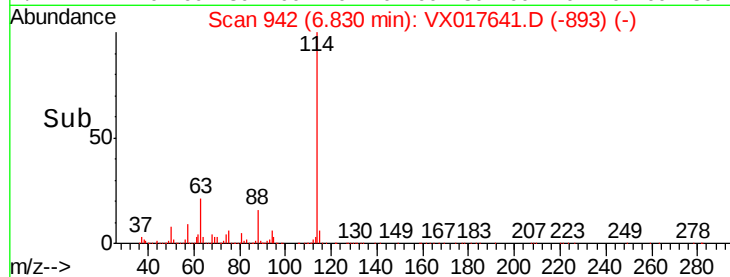
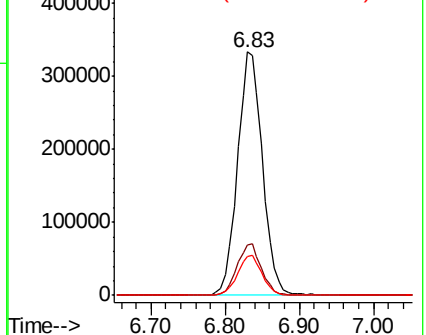
114 100

63 20.8 0.0 40.6

88 15.7 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: 50.064 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017641.D

Acq: 28 Jul 2020 00:38

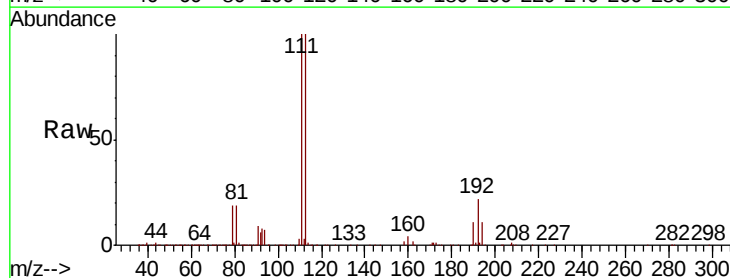
Tgt Ion:113 Resp: 262631

Ion Ratio Lower Upper

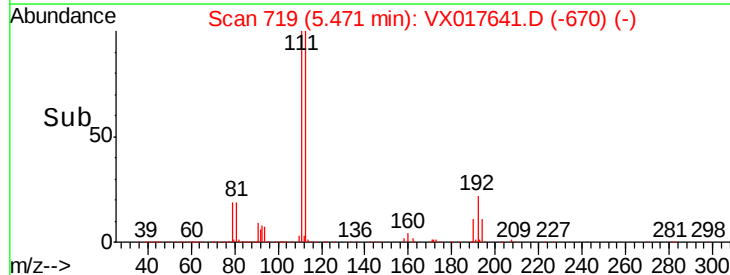
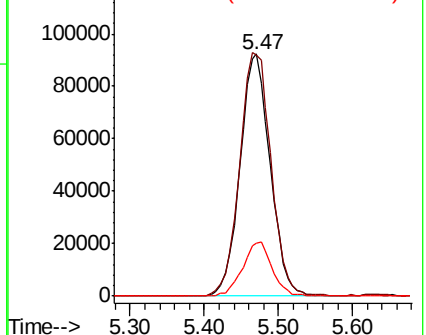
113 100

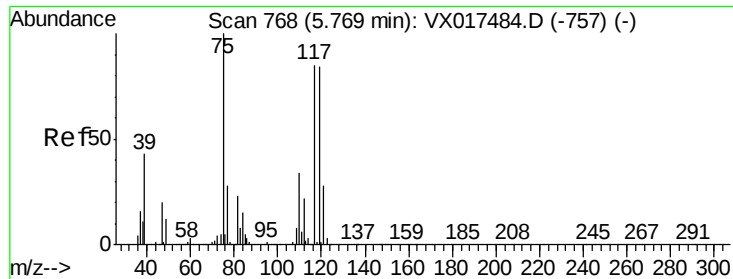
111 104.3 80.7 121.1

192 21.8 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

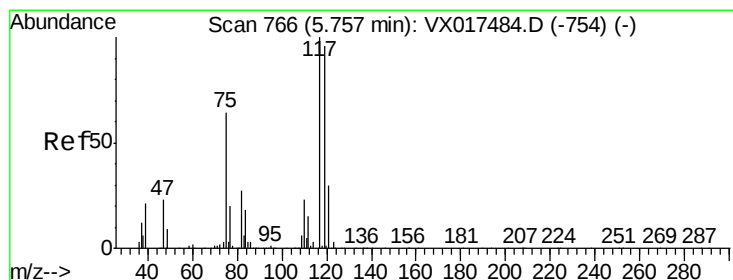
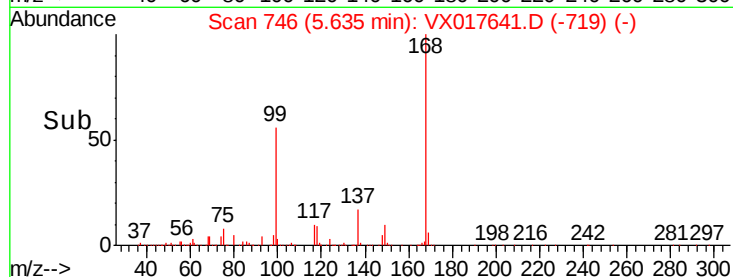
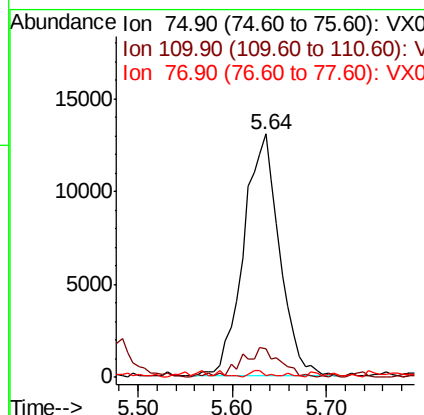
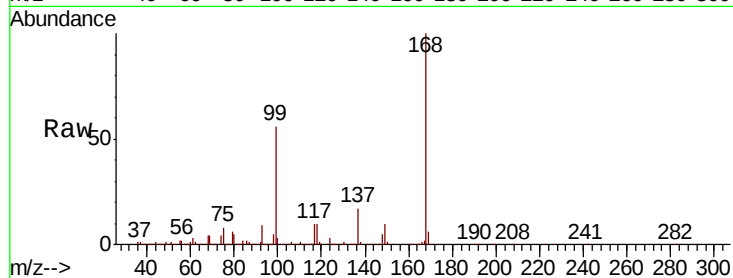




#36
 1,1-Dichloropropene
 Concen: 4.638 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017641.D
 Acq: 28 Jul 2020 00:38

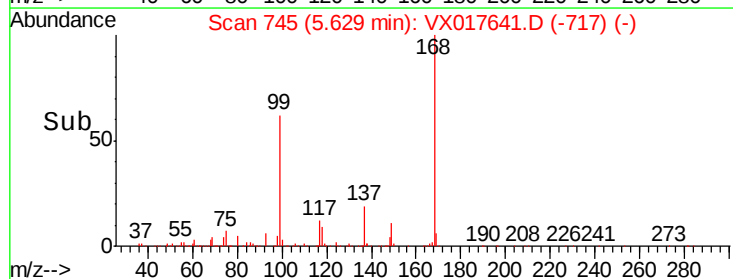
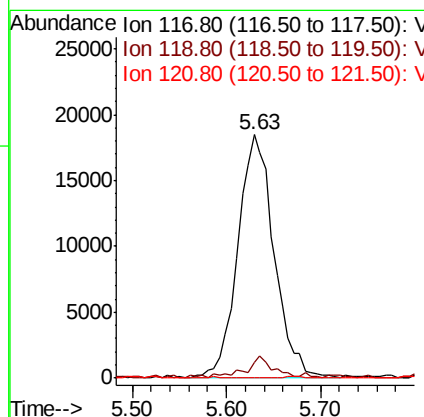
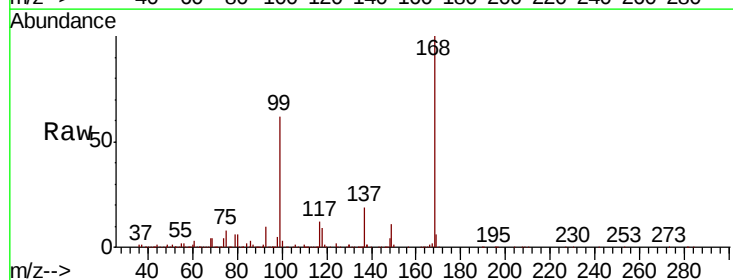
Instrument :
 MSVOA_X
 ClientSampleId :
 SY-2D

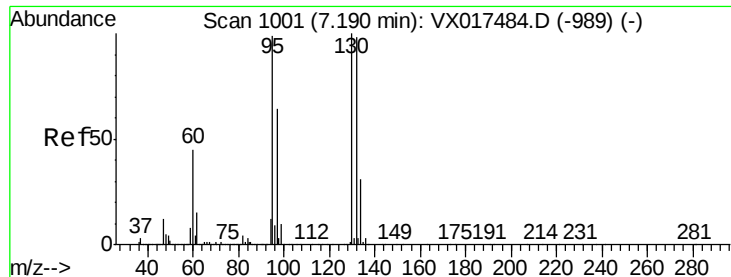
Tot Ion	Ratio	Lower	Upper
75	100		
110	13.1	18.1	54.3#
77	1.4	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.417 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX017641.D
 Acq: 28 Jul 2020 00:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.4	113.0#
121	0.3	24.3	36.5#





#44

Trichloroethene

Concen: 0.211 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX017641.D

Acq: 28 Jul 2020 00:38

Instrument :

MSVOA_X

ClientSampleID :

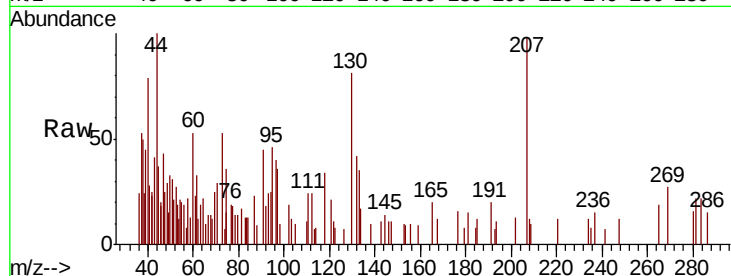
SY-2D

Tot Ion:130 Resp: 1328

Ion Ratio Lower Upper

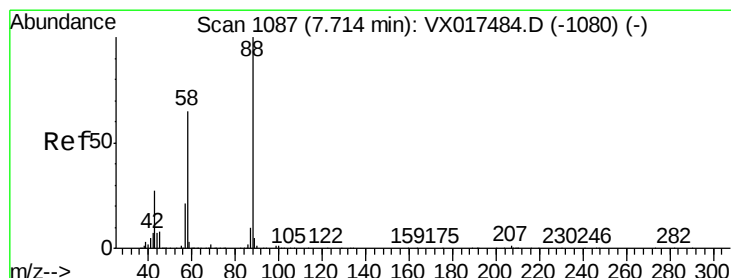
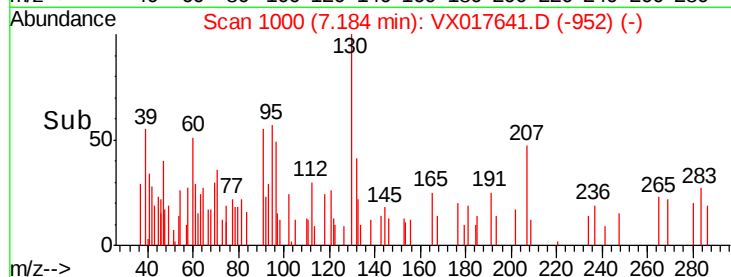
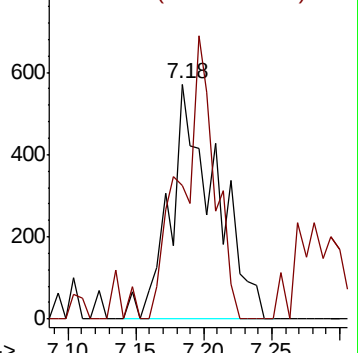
130 100

95 56.6 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.054 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX017641.D

Acq: 28 Jul 2020 00:38

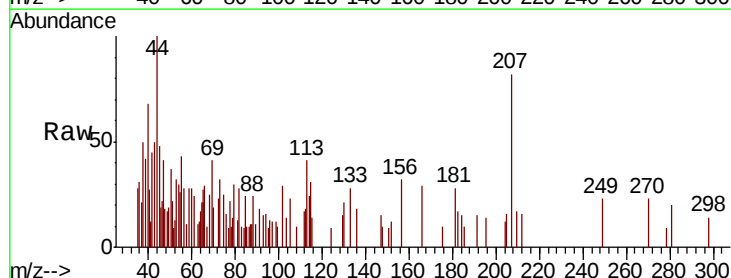
Tgt Ion: 88 Resp: 136

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

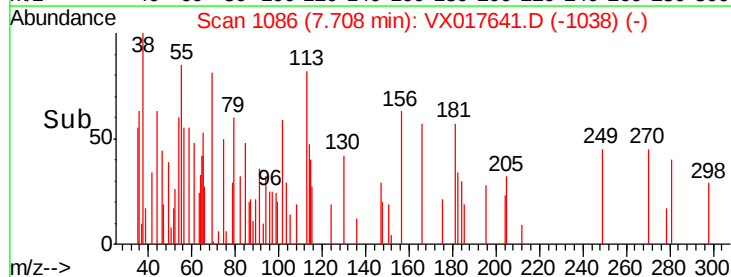
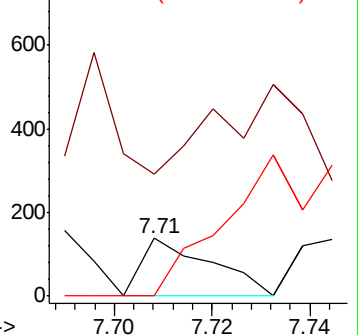
58 0.0 58.3 87.5#

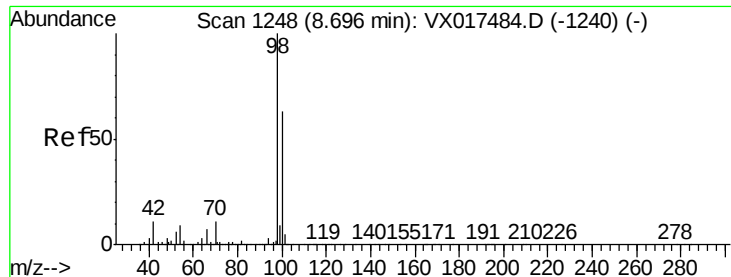


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.358 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017641.D

Acq: 28 Jul 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

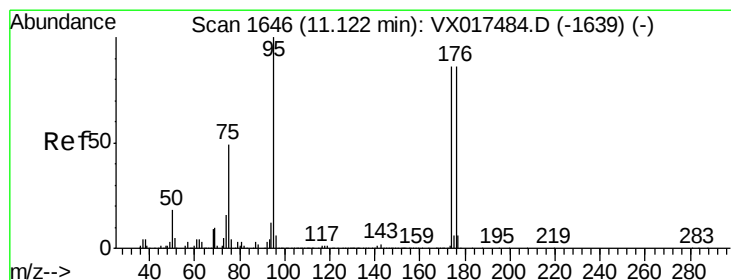
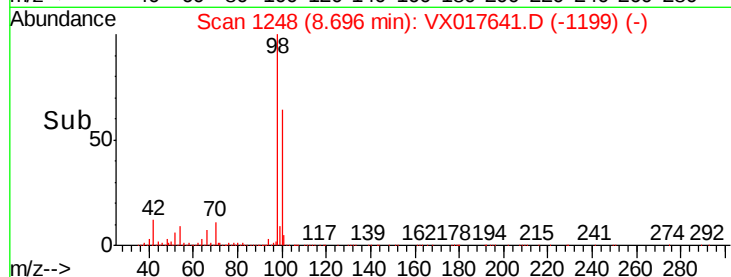
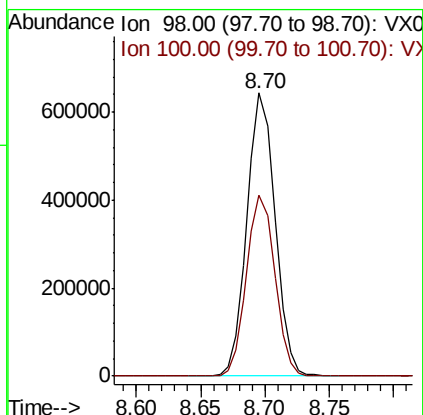
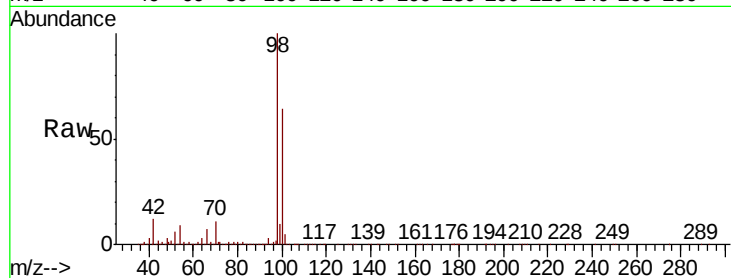
SY-2D

Tot Ion: 98 Resp: 971935

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 56.931 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017641.D

Acq: 28 Jul 2020 00:38

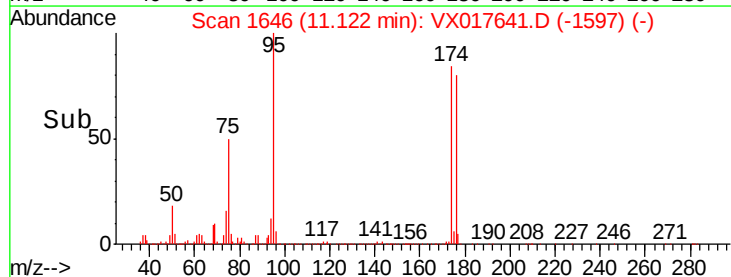
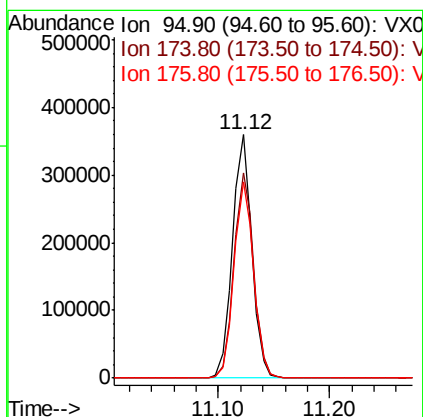
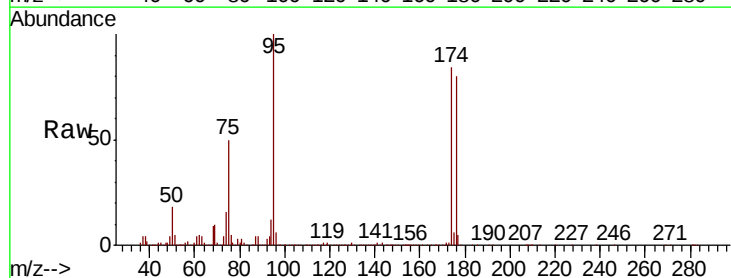
Tgt Ion: 95 Resp: 431174

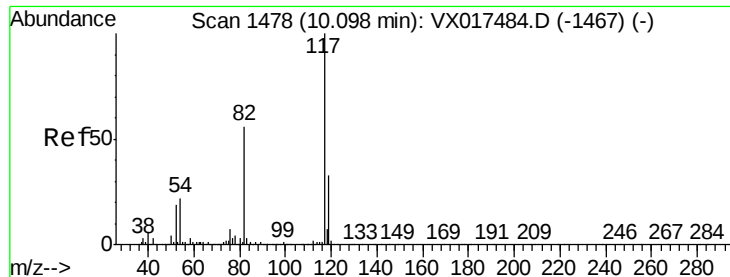
Ion Ratio Lower Upper

95 100

174 86.3 0.0 169.0

176 81.5 0.0 161.0

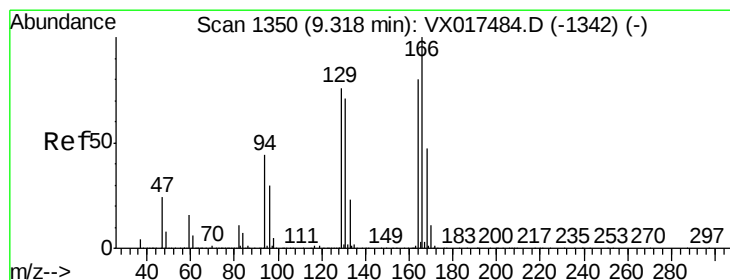
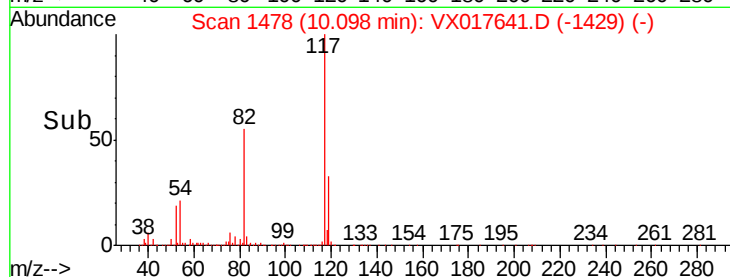
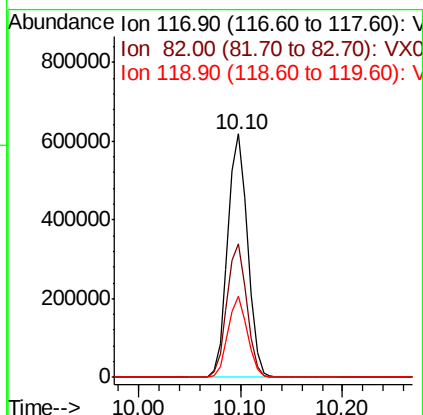
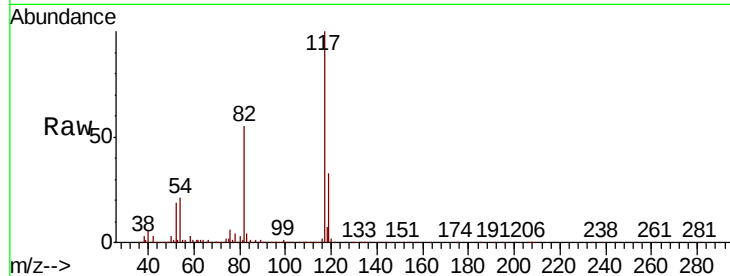




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017641.D
Acq: 28 Jul 2020 00:38

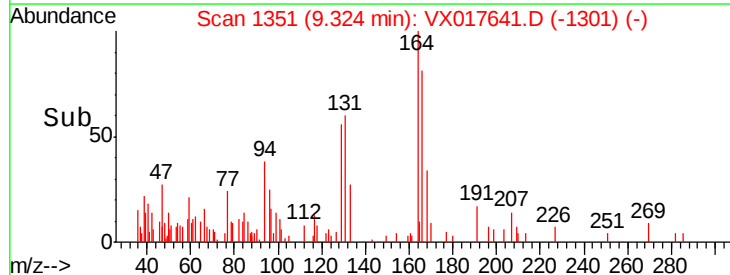
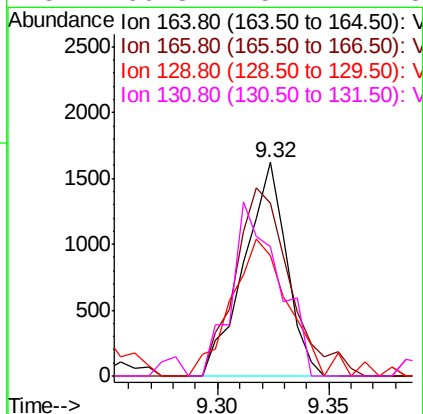
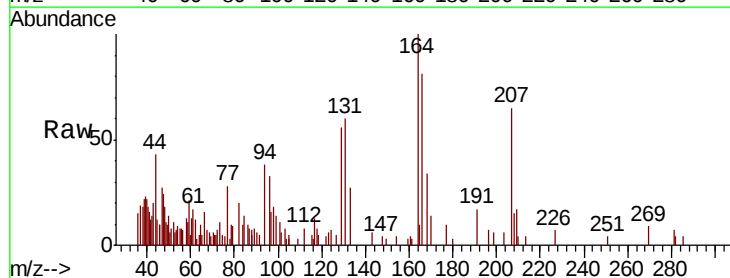
Instrument :
MSVOA_X
ClientSampleId :
SY-2D

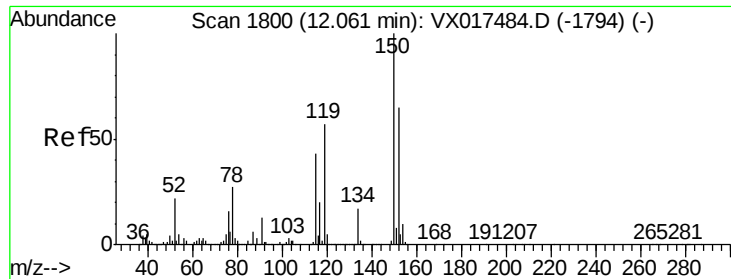
Tot Ion:117 Resp: 832914
Ion Ratio Lower Upper
117 100
82 54.9 44.0 66.0
119 33.2 25.4 38.0



#64
Tetrachloroethene
Concen: 0.288 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX017641.D
Acq: 28 Jul 2020 00:38

Tgt Ion:164 Resp: 2153
Ion Ratio Lower Upper
164 100
166 80.9 100.6 150.8#
129 56.5 75.0 112.6#
131 60.3 75.2 112.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017641.D

Acq: 28 Jul 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

SY-2D

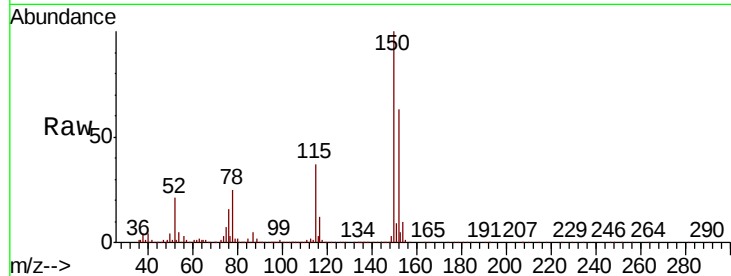
Tot Ion:152 Resp: 466013

Ion Ratio Lower Upper

152 100

115 58.0 65.5 196.6#

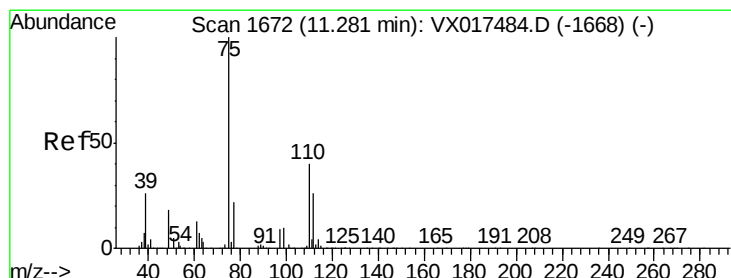
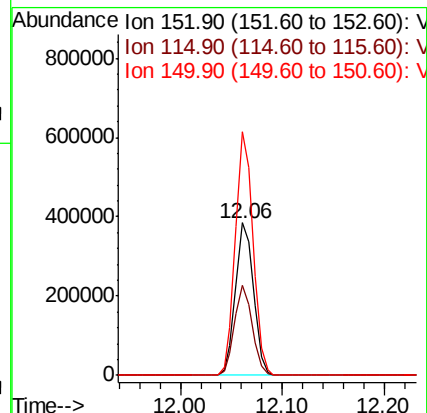
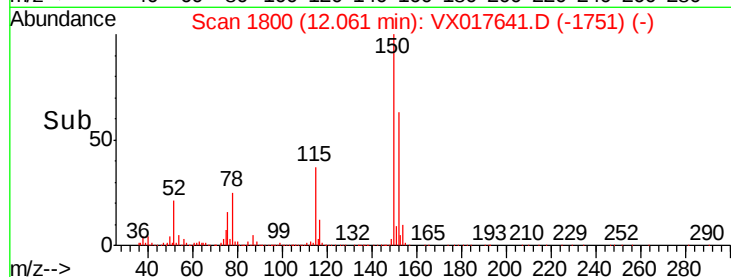
150 156.7 0.0 412.6



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: 23.223 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017641.D

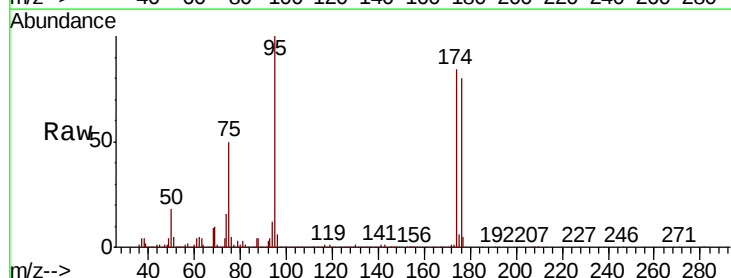
Acq: 28 Jul 2020 00:38

Tgt Ion: 75 Resp: 222618

Ion Ratio Lower Upper

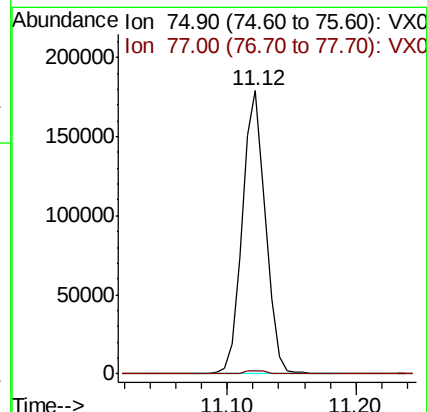
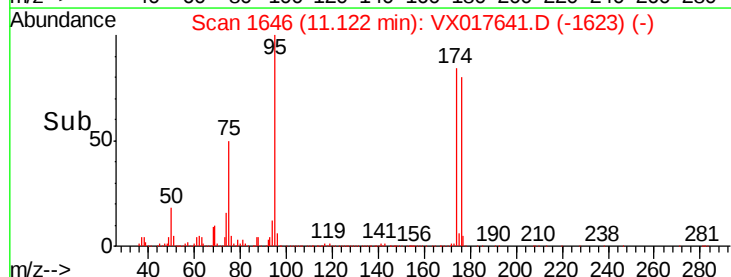
75 100

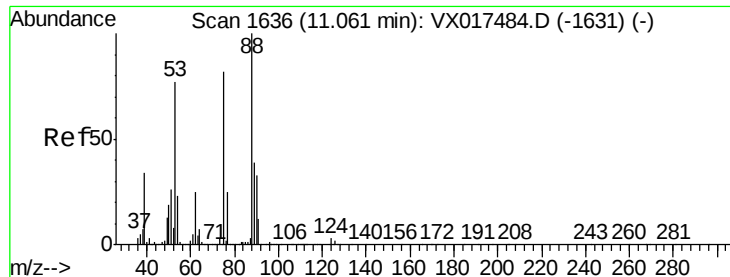
77 1.4 21.8 65.3#



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: 58.517 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017641.D

Acq: 28 Jul 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

SY-2D

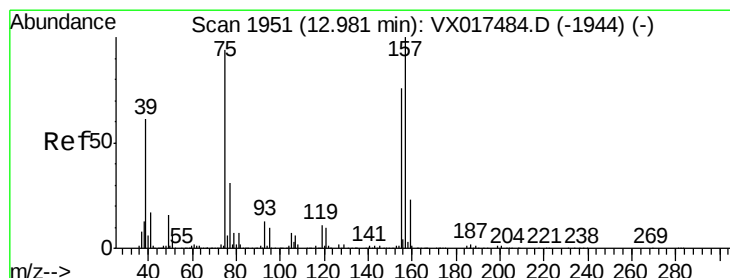
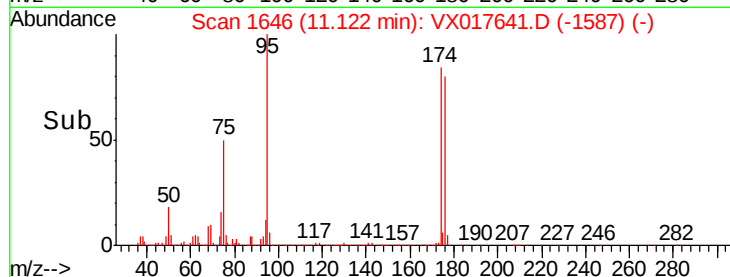
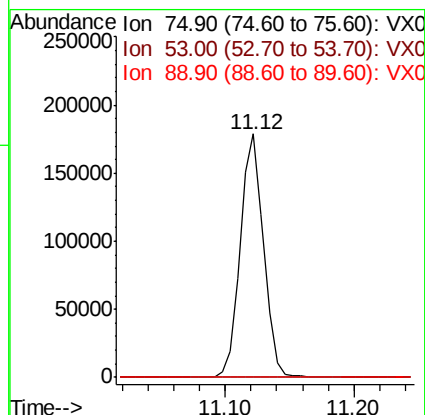
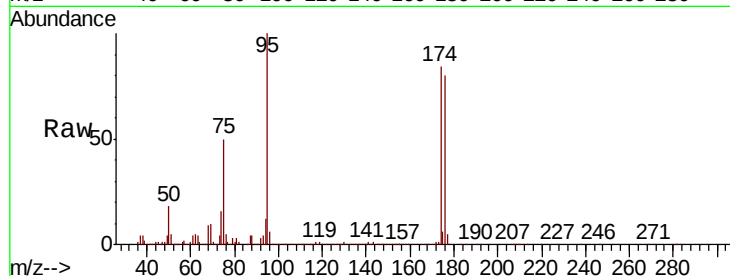
Tot Ion: 75 Resp: 222618

Ion Ratio Lower Upper

75 100

53 0.2 75.9 113.9#

89 0.1 37.8 56.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.725 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017641.D

Acq: 28 Jul 2020 00:38

Tgt Ion: 75 Resp: 440

Ion Ratio Lower Upper

75 100

155 19.3 42.3 126.8#

157 14.8 54.3 162.9#

