

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017736.D
 Acq On : 01 Aug 2020 05:33
 Operator : JC/SP
 Sample : L3511-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Quant Time: Aug 01 07:10:47 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	469034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	775746	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	823939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	474787	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	333670	55.38	ug/l	0.00
Spiked Amount			Recovery	=	110.76%	
35) Dibromofluoromethane	5.47	113	267565	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
50) Toluene-d8	8.70	98	938031	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	11.12	95	419687	56.03	ug/l	0.00
Spiked Amount			Recovery	=	112.06%	

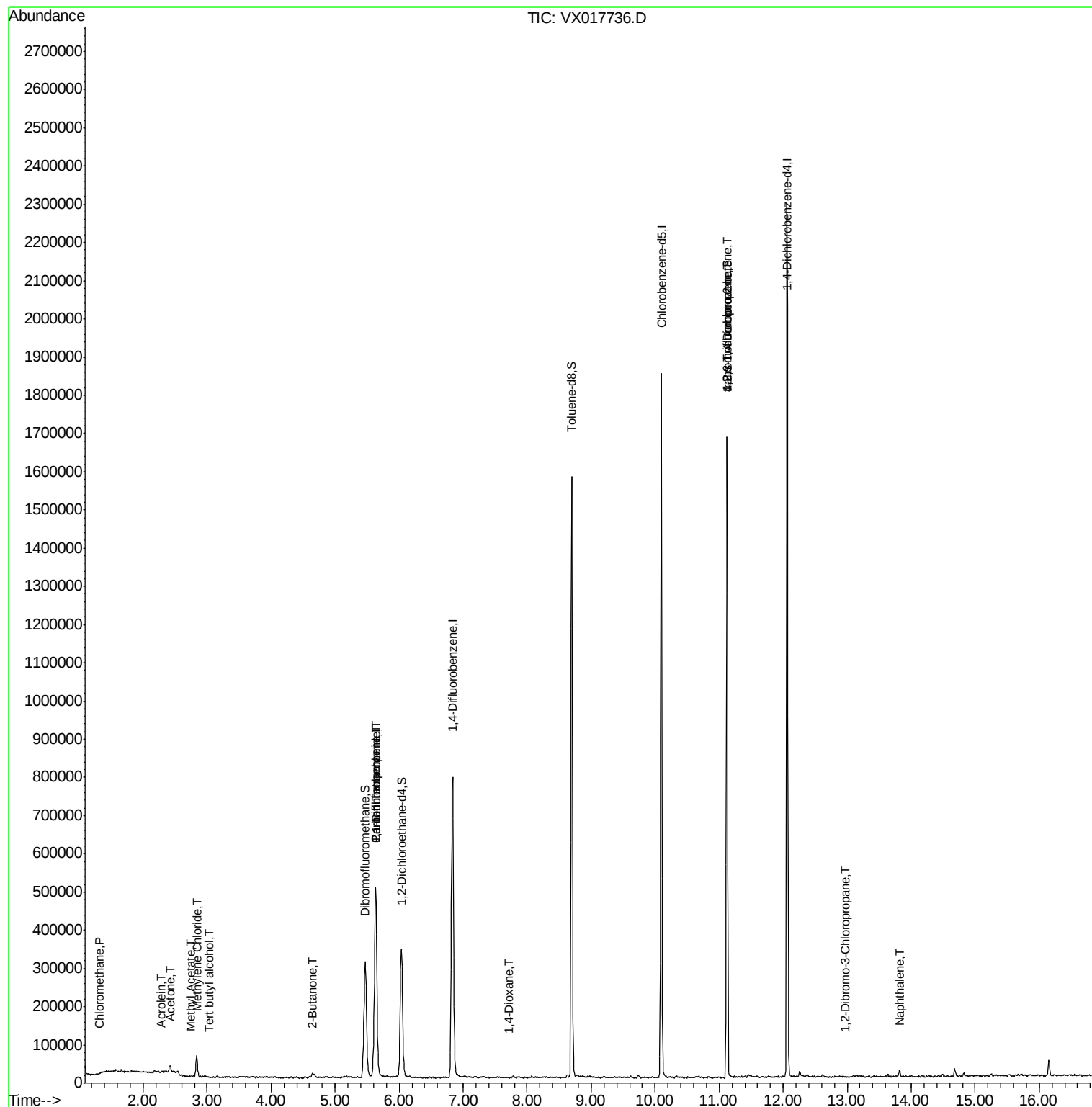
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	262	Below Cal		80
3) Chloromethane	1.32	50	890	0.519 ug/l		89
5) Bromomethane	1.65	94	1340	Below Cal	#	66
6) Chloroethane	1.68	64	884	Below Cal	#	44
8) Diethyl Ether	2.17	74	927	Below Cal		74
11) Tert butyl alcohol	3.03	59	1718	1.353 ug/l		95
13) Acrolein	2.27	56	585	4.742 ug/l	#	28
16) Acetone	2.42	43	16778	6.327 ug/l		92
18) Methyl Acetate	2.74	43	1754	0.281 ug/l	#	83
20) Methylene Chloride	2.84	84	26684	4.166 ug/l		97
25) 2-Butanone	4.65	43	3264	0.866 ug/l	#	87
36) 1,1-Dichloropropene	5.63	75	36797	4.946 ug/l	#	52
38) Carbon Tetrachloride	5.63	117	46327	5.128 ug/l	#	17
49) 1,4-Dioxane	7.71	88	37	0.290 ug/l	#	22
76) 1,2,3-Trichloropropane	11.12	75	213856	21.897 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.12	75	213856	55.175 ug/l	#	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	630	2.784 ug/l	#	8
95) Naphthalene	13.82	128	9534	0.304 ug/l	#	91

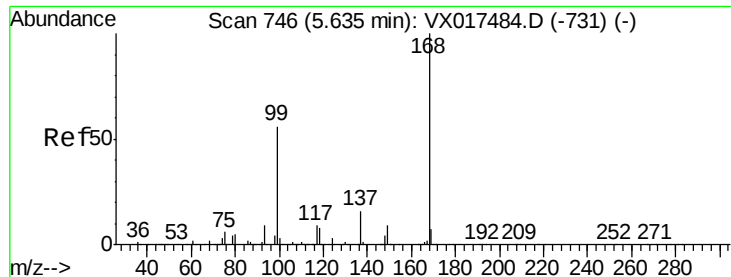
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017736.D

Acq: 01 Aug 2020 05:33

Instrument :

MSVOA_X

ClientSampleId :

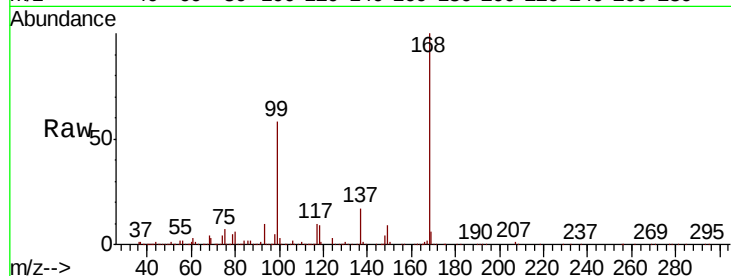
TP-3

Tot Ion:168 Resp: 469034

Ion Ratio Lower Upper

168 100

99 57.7 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

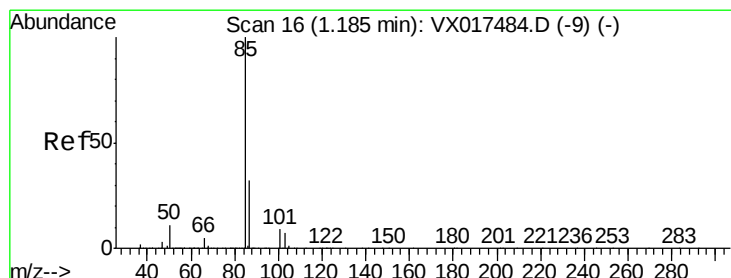
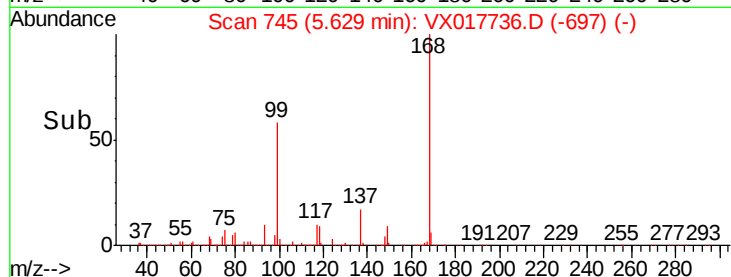
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.17 min Scan# 14

Delta R.T. -0.01 min

Lab File: VX017736.D

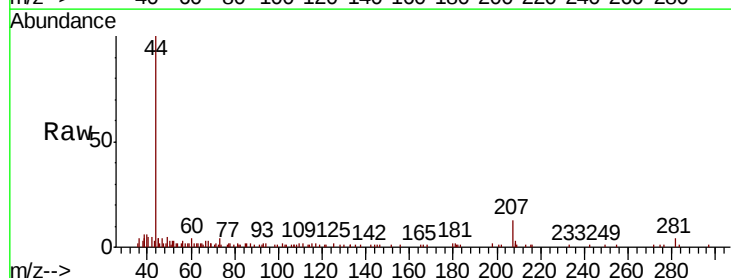
Acq: 01 Aug 2020 05:33

Tgt Ion: 85 Resp: 262

Ion Ratio Lower Upper

85 100

87 21.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.17

300

250

200

150

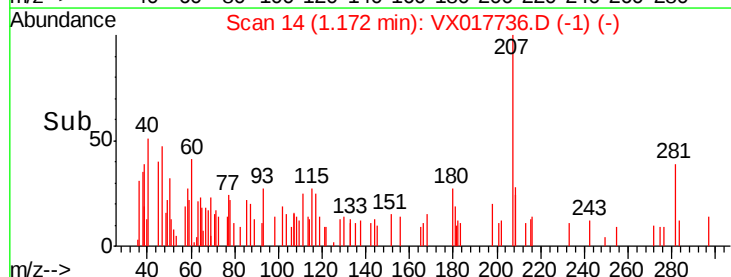
100

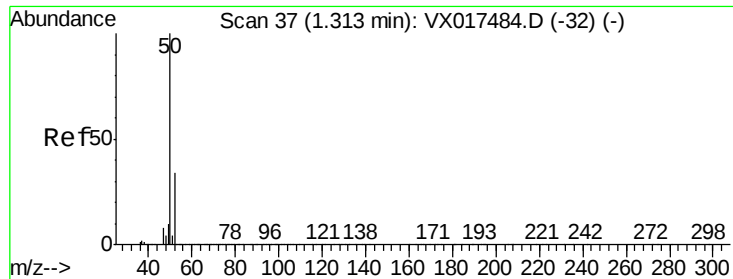
50

0

Time-->

1.14 1.16 1.18





#3

Chloromethane

Concen: 0.519 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017736.D

Acq: 01 Aug 2020 05:33

Instrument :

MSVOA_X

ClientSampled :

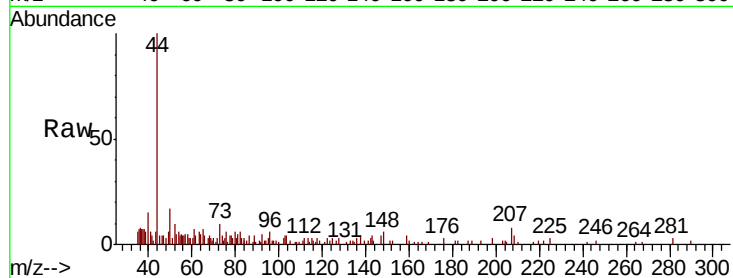
TP-3

Tot Ion: 50 Resp: 890

Ion Ratio Lower Upper

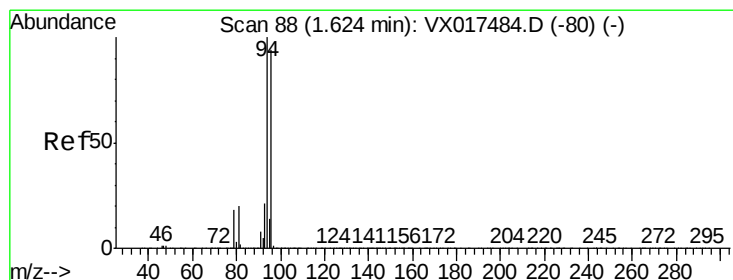
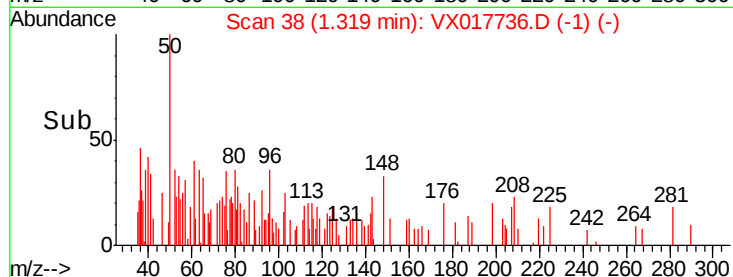
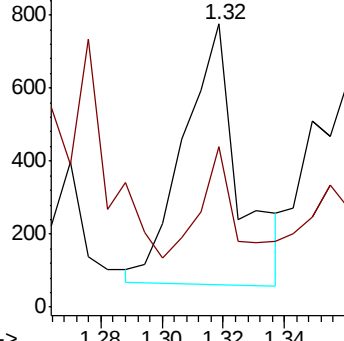
50 100

52 38.8 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: 1.65 min Scan# 93

Delta R.T. 0.03 min

Lab File: VX017736.D

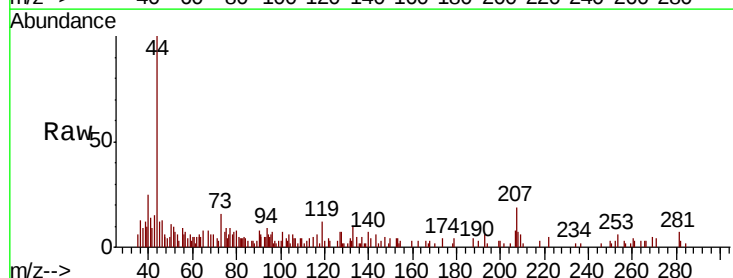
Acq: 01 Aug 2020 05:33

Tgt Ion: 94 Resp: 1340

Ion Ratio Lower Upper

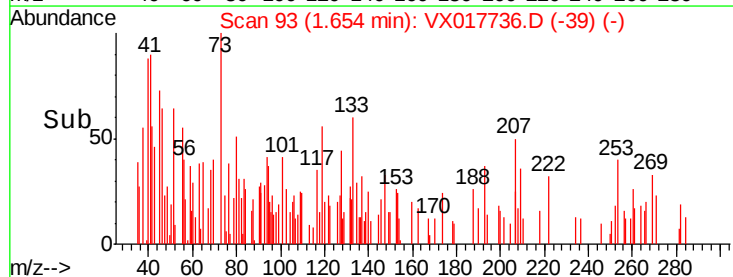
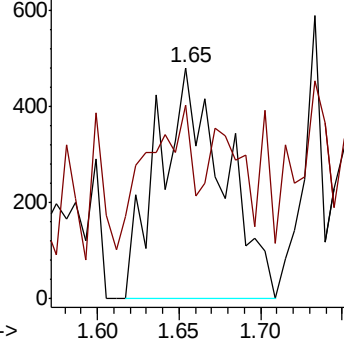
94 100

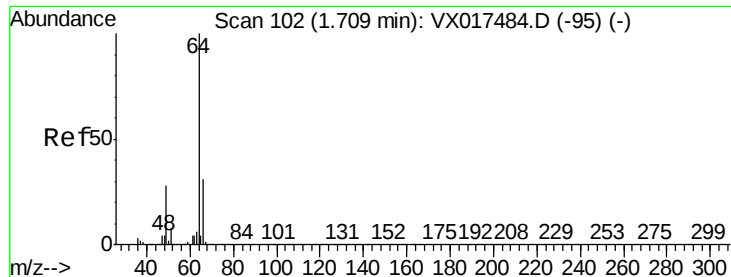
96 59.8 74.1 111.1#



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: 1.68 min Scan# 98

Delta R.T. -0.02 min

Lab File: VX017736.D

Acq: 01 Aug 2020 05:33

Instrument :

MSVOA_X

ClientSampled :

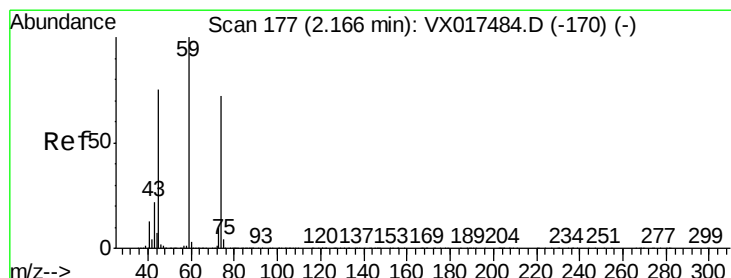
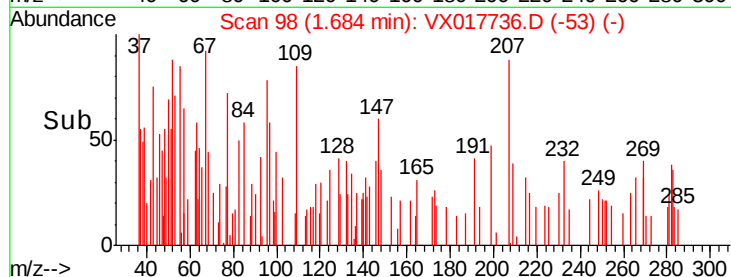
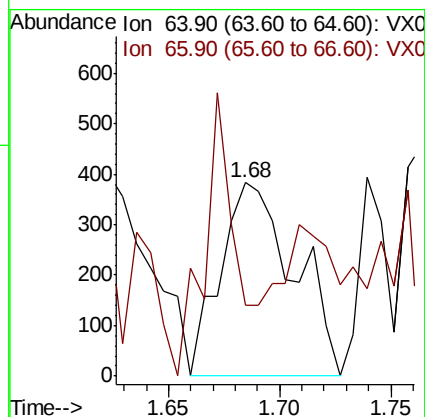
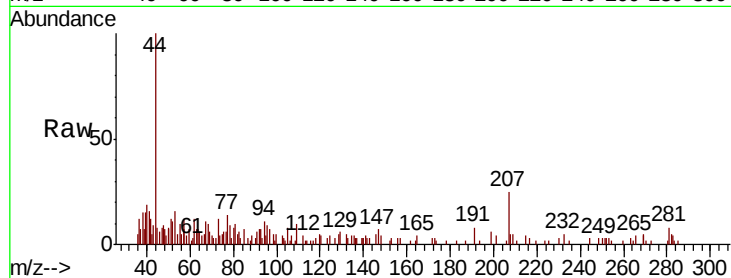
TP-3

Tot Ion: 64 Resp: 884

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017736.D

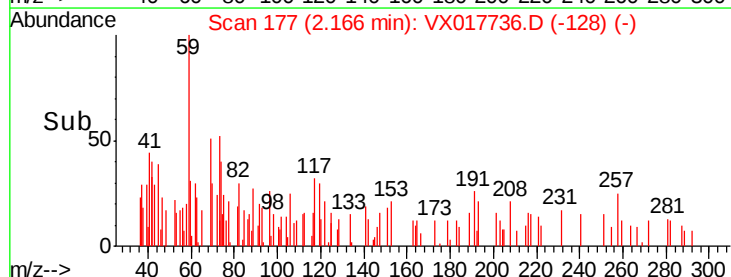
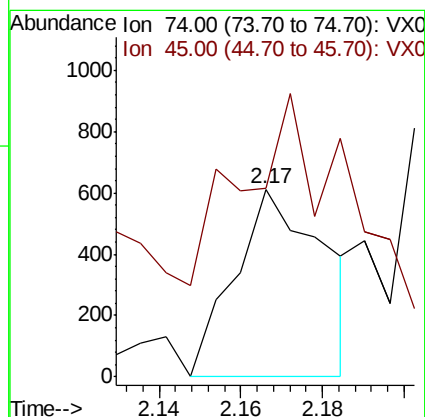
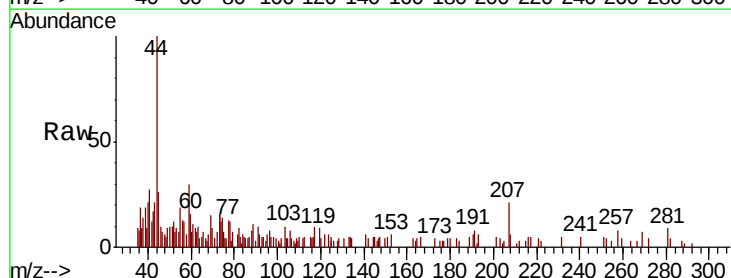
Acq: 01 Aug 2020 05:33

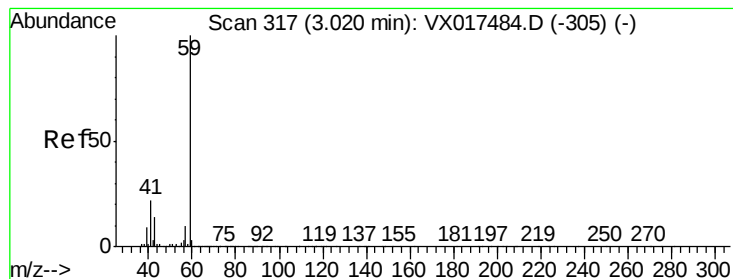
Tgt Ion: 74 Resp: 927

Ion Ratio Lower Upper

74 100

45 128.4 50.8 152.5



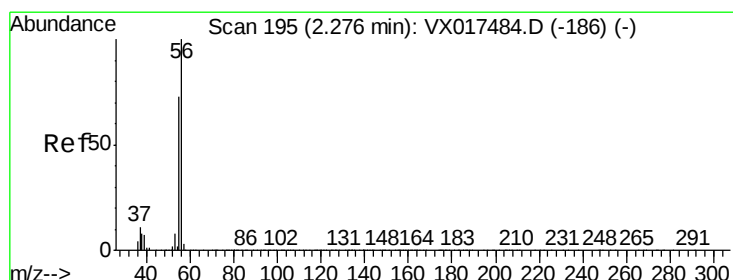
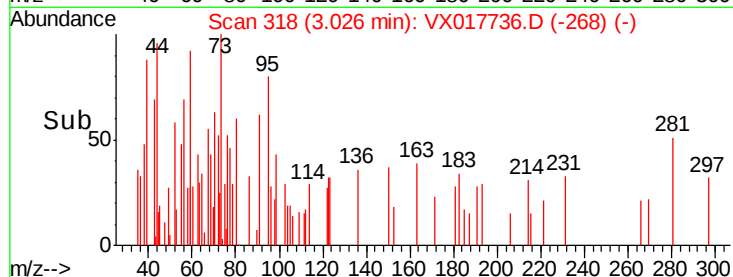
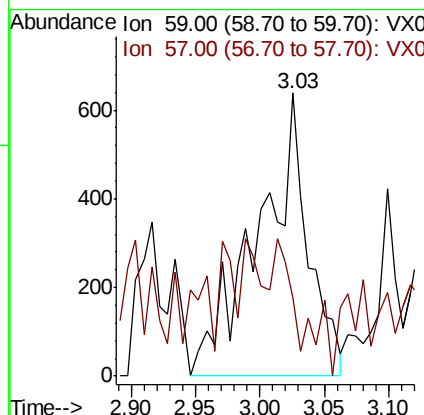
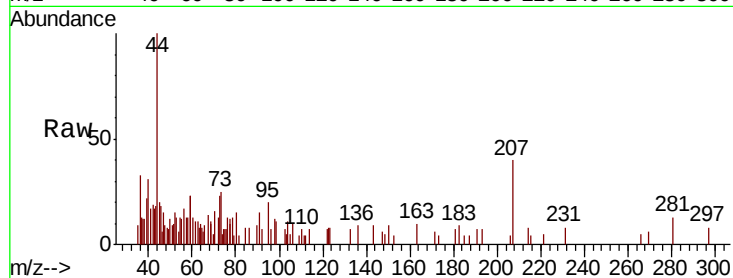


#11

Tert butyl alcohol
 Concen: 1.353 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX017736.D
 Acq: 01 Aug 2020 05:33

Instrument :
 MSVOA_X
 ClientSampled :
 TP-3

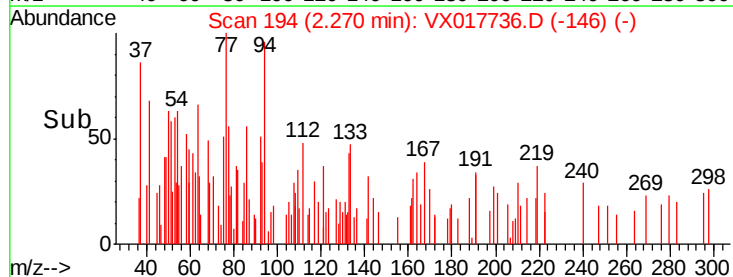
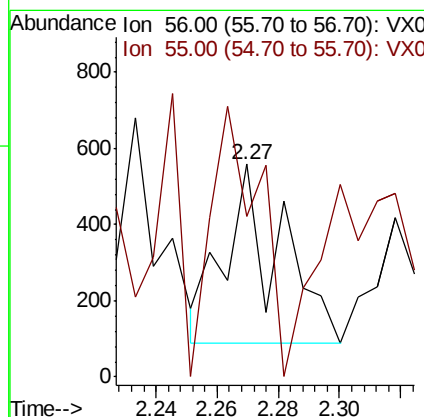
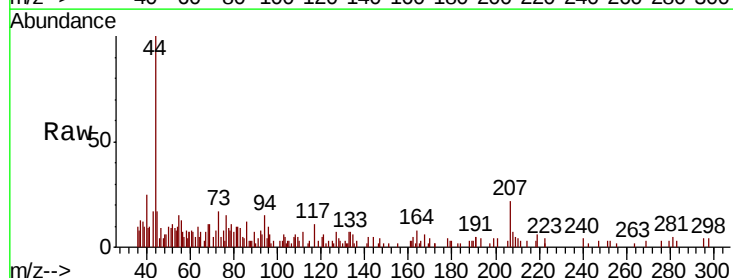
Tot Ion: 59 Resp: 1718
 Ion Ratio Lower Upper
 59 100
 57 12.4 8.6 12.8

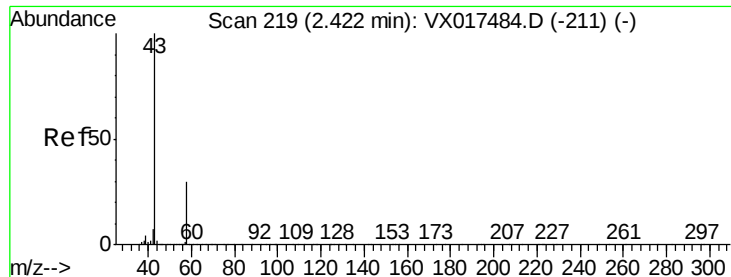


#13

Acrolein
 Concen: 4.742 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX017736.D
 Acq: 01 Aug 2020 05:33

Tgt Ion: 56 Resp: 585
 Ion Ratio Lower Upper
 56 100
 55 131.6 57.4 86.2#

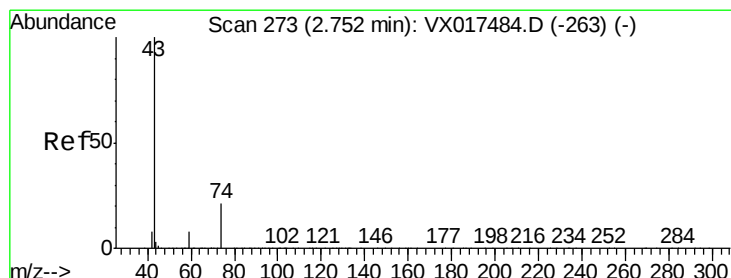
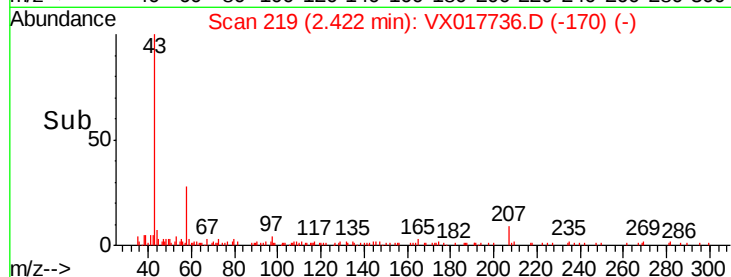
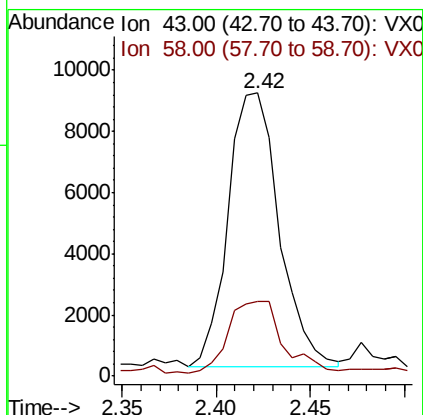
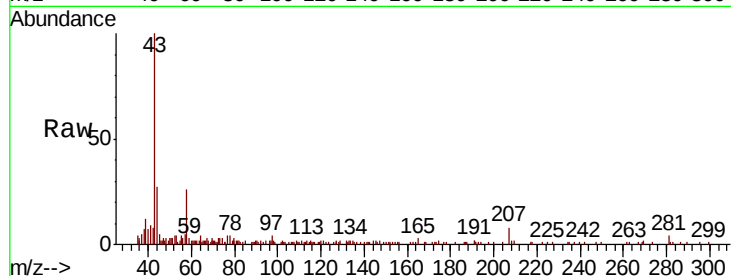




#16
Acetone
Concen: 6.327 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017736.D
Acq: 01 Aug 2020 05:33

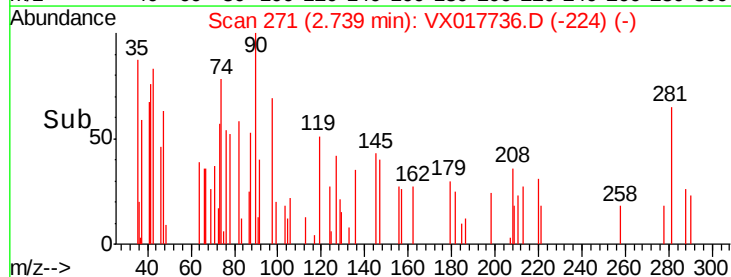
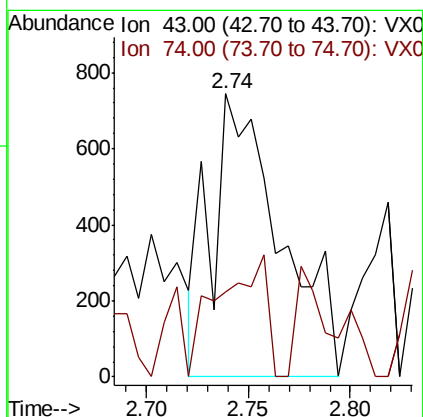
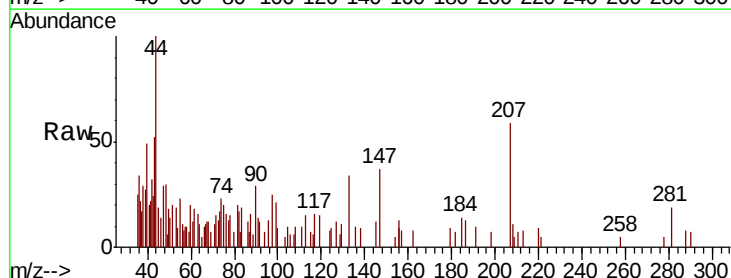
Instrument :
MSVOA_X
ClientSampled :
TP-3

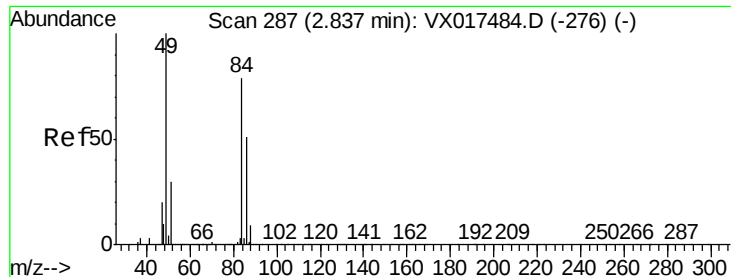
Tot Ion: 43 Resp: 16778
Ion Ratio Lower Upper
43 100
58 26.2 24.2 36.4



#18
Methyl Acetate
Concen: 0.281 ug/l
RT: 2.74 min Scan# 271
Delta R.T. -0.01 min
Lab File: VX017736.D
Acq: 01 Aug 2020 05:33

Tgt Ion: 43 Resp: 1754
Ion Ratio Lower Upper
43 100
74 30.0 17.5 26.3#

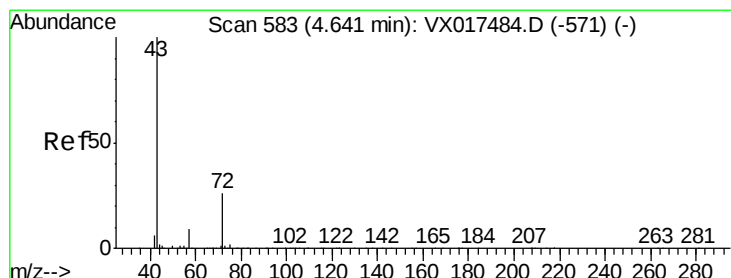
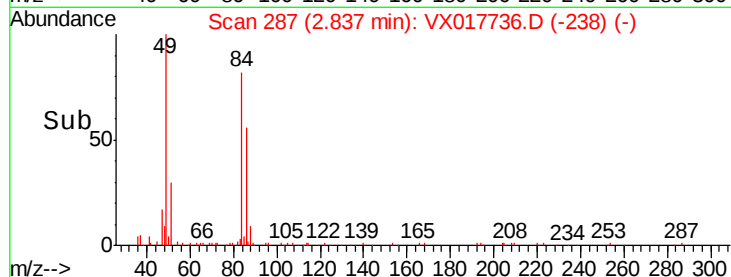
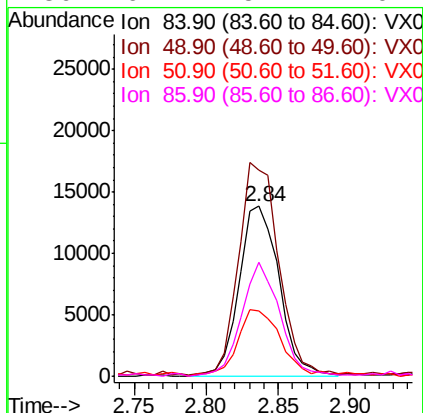
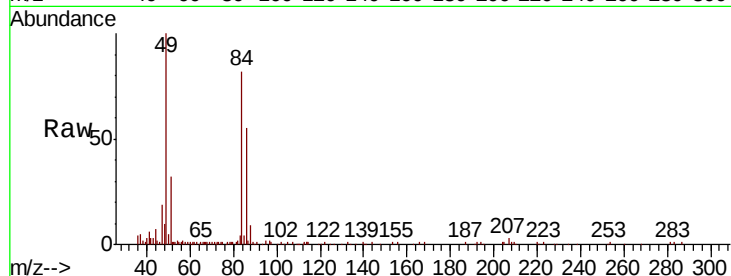




#20
Methvlene Chloride
Concen: 4.166 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017736.D
Acq: 01 Aug 2020 05:33

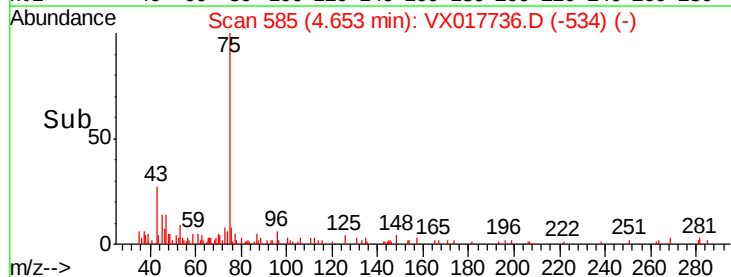
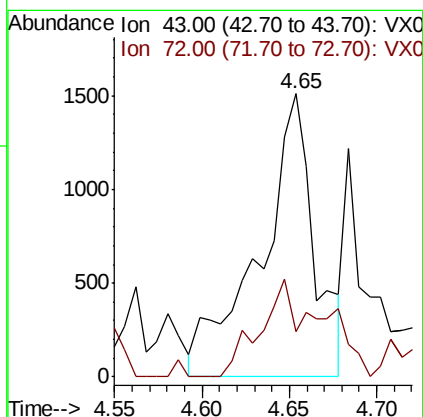
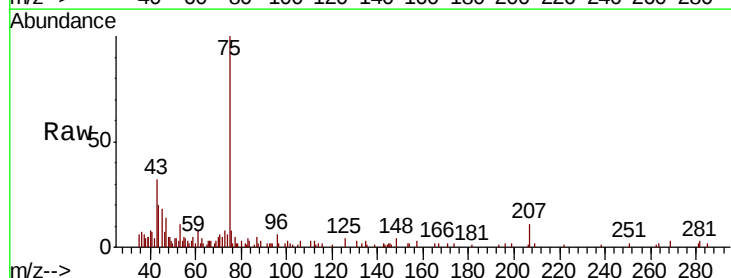
Instrument :
MSVOA_X
ClientSampled :
TP-3

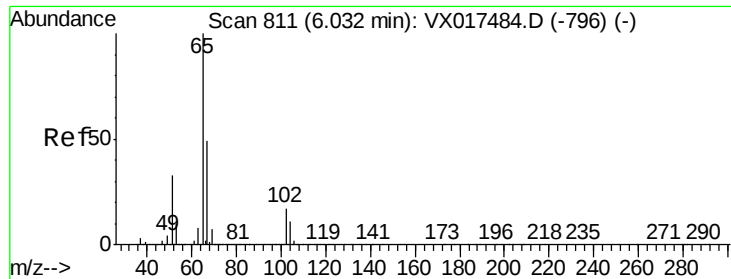
Tot Ion: 84 Resp: 26684
Ion Ratio Lower Upper
84 100
49 120.9 100.3 150.5
51 38.3 30.5 45.7
86 67.2 51.1 76.7



#25
2-Butanone
Concen: 0.866 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX017736.D
Acq: 01 Aug 2020 05:33

Tgt Ion: 43 Resp: 3264
Ion Ratio Lower Upper
43 100
72 17.5 19.0 28.4#





#33

1,2-Dichloroethane-d4

Concen: 55.381 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017736.D

Acq: 01 Aug 2020 05:33

Instrument :

MSVOA_X

ClientSampled :

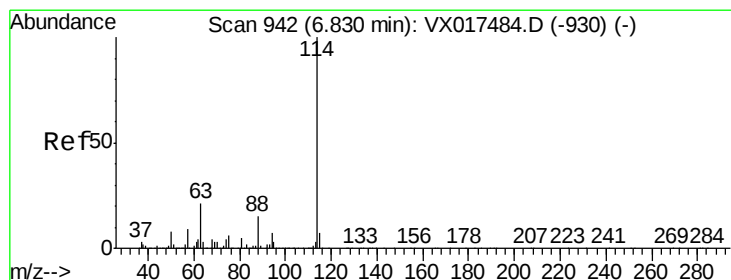
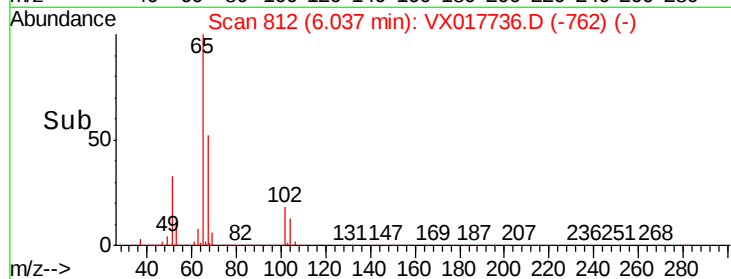
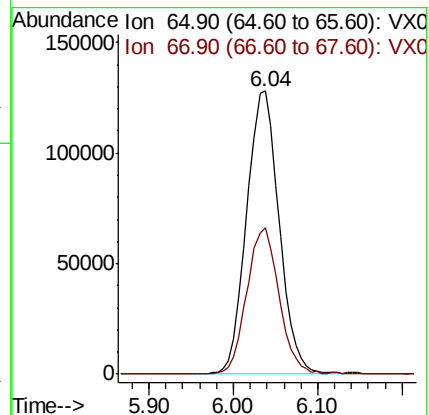
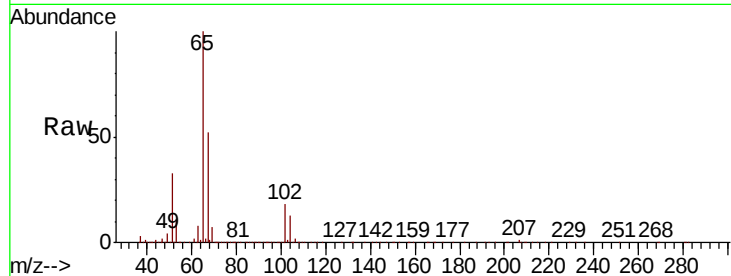
TP-3

Tot Ion: 65 Resp: 333670

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017736.D

Acq: 01 Aug 2020 05:33

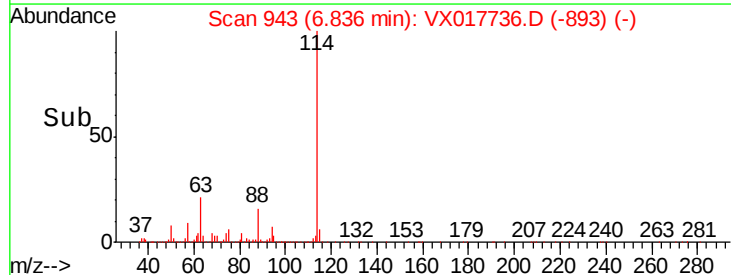
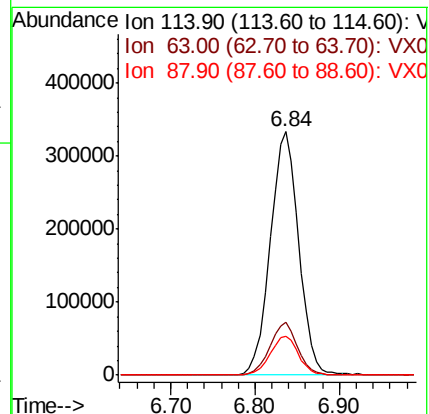
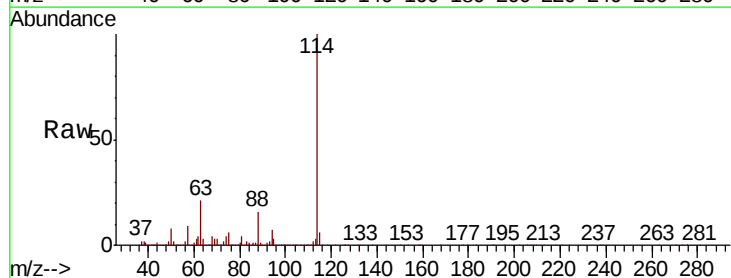
Tgt Ion: 114 Resp: 775746

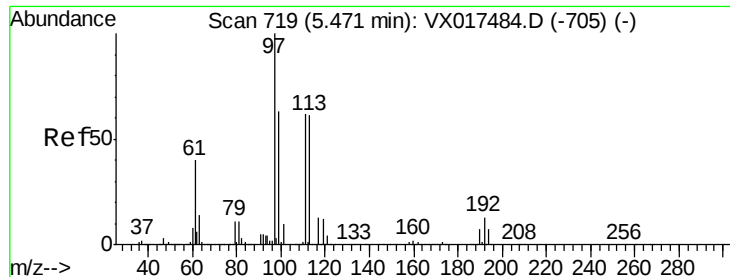
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.6

88 15.8 0.0 33.4

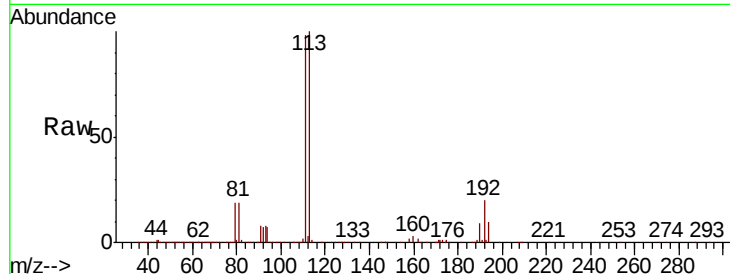




#35
 Dibromofluoromethane
 Concen: 51.572 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017736.D
 Acq: 01 Aug 2020 05:33

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.7	121.1
192	20.7	16.9	25.3

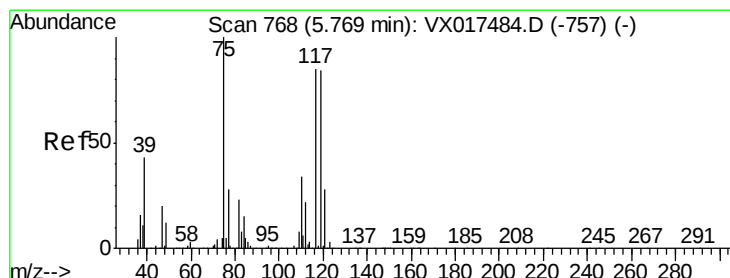
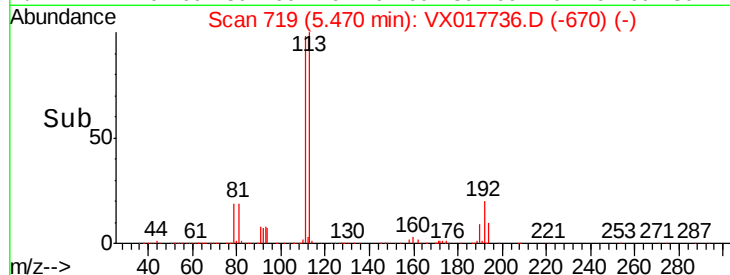
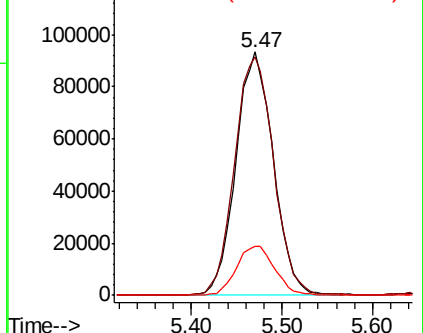


Abundance

Ion 112.80 (112.50 to 113.50): V

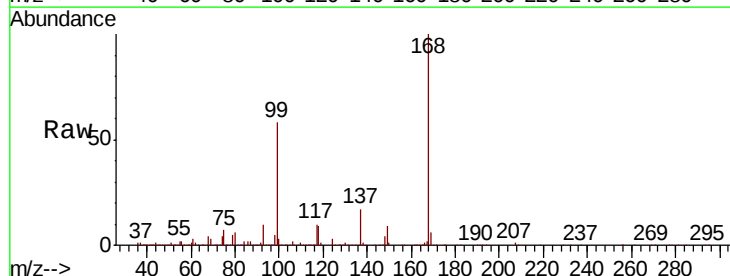
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.946 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017736.D
 Acq: 01 Aug 2020 05:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.1	54.3#
77	1.1	24.6	37.0#

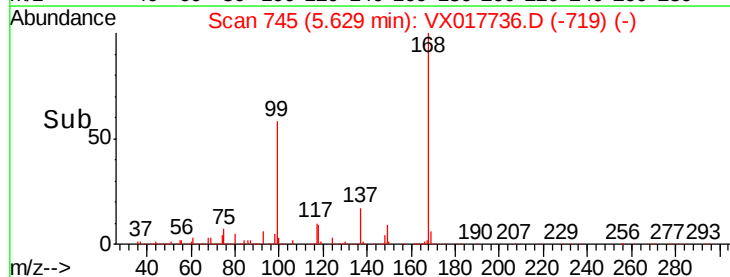
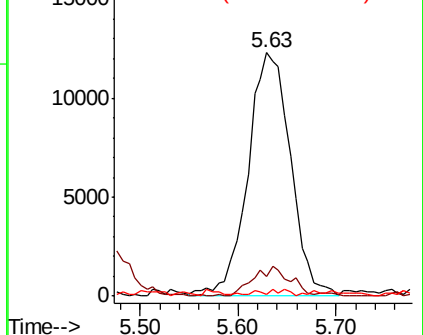


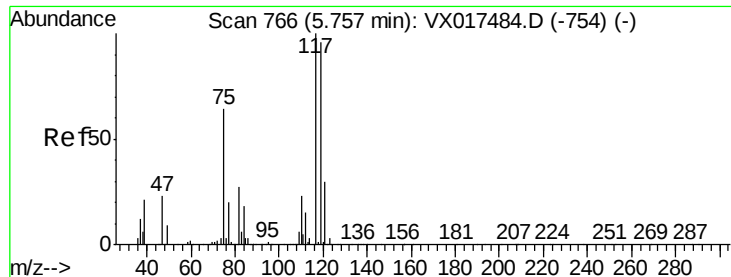
Abundance

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: 5.128 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017736.D

Acq: 01 Aug 2020 05:33

Instrument :

MSVOA_X

ClientSampleId :

TP-3

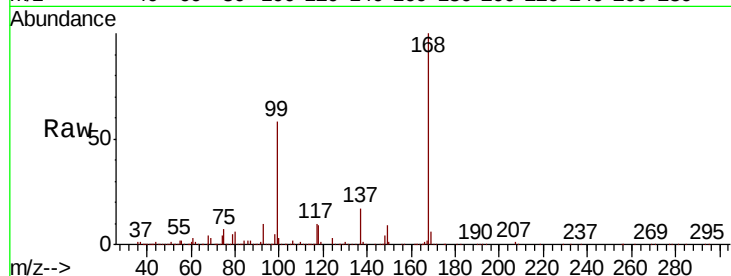
Tot Ion:117 Resp: 46327

Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.0#

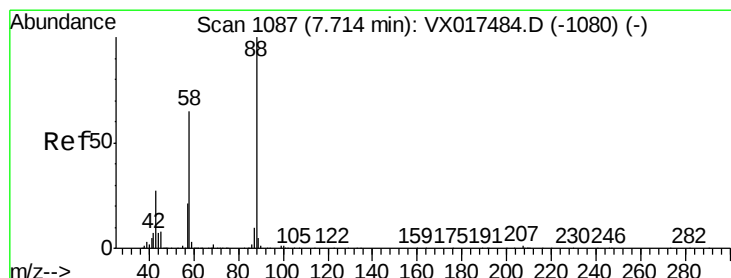
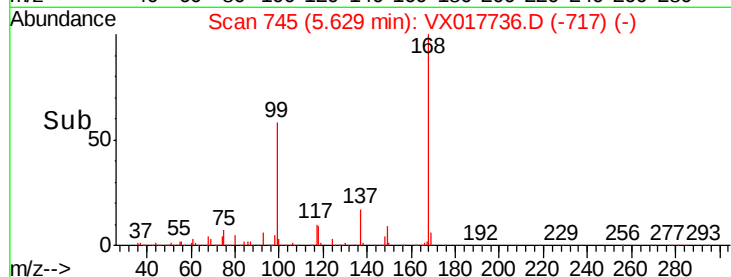
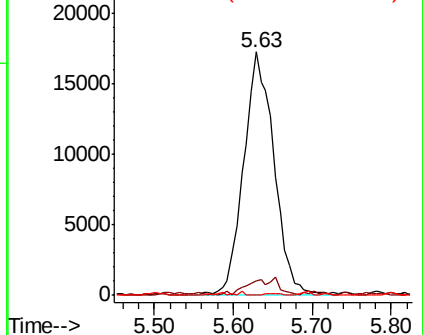
121 0.0 24.3 36.5#



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: 0.290 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX017736.D

Acq: 01 Aug 2020 05:33

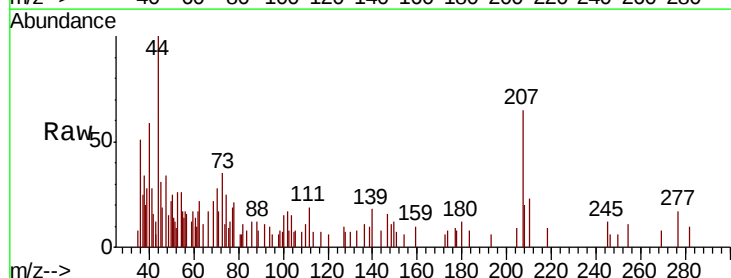
Tgt Ion: 88 Resp: 37

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

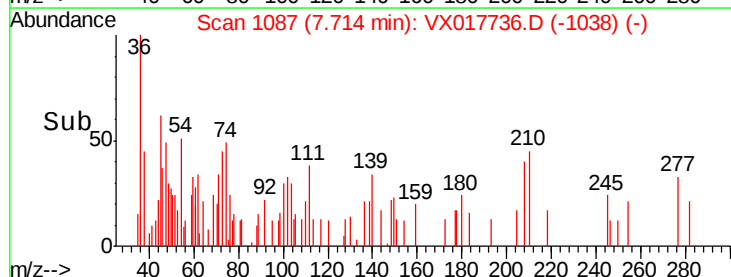
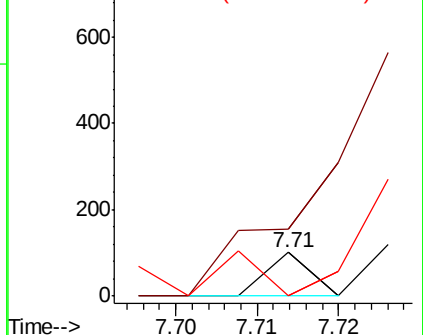
58 0.0 58.3 87.5#

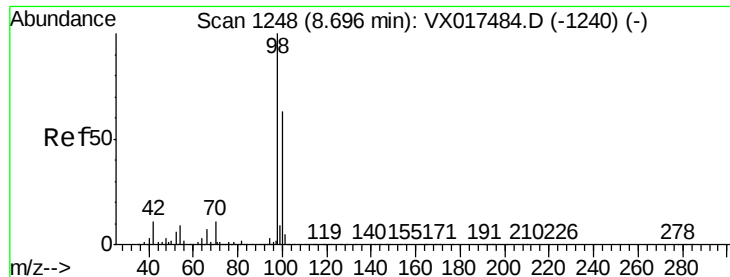


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.118 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017736.D

Acq: 01 Aug 2020 05:33

Instrument :

MSVOA_X

ClientSampleId :

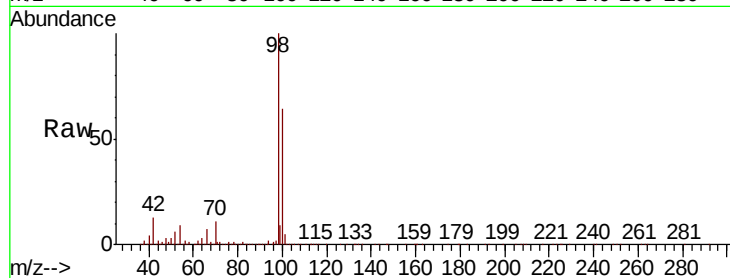
TP-3

Tot Ion: 98 Resp: 938031

Ion Ratio Lower Upper

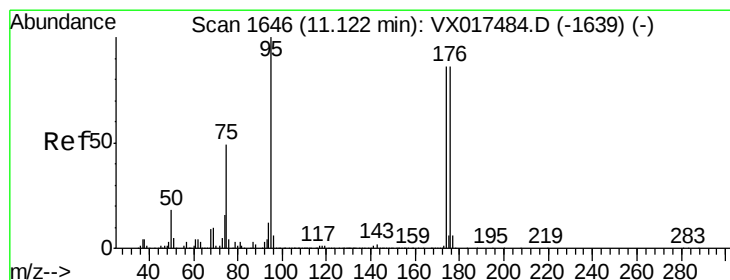
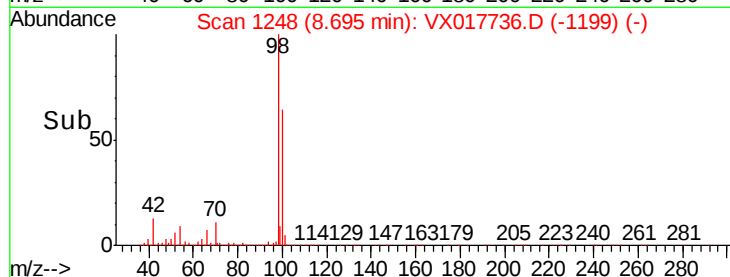
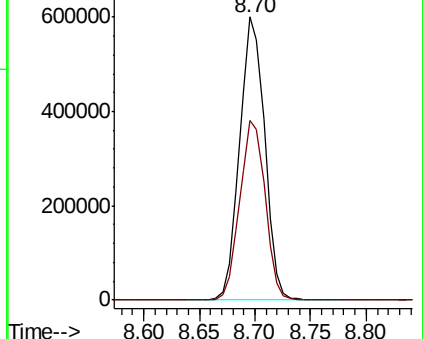
98 100

100 64.4 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 56.030 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017736.D

Acq: 01 Aug 2020 05:33

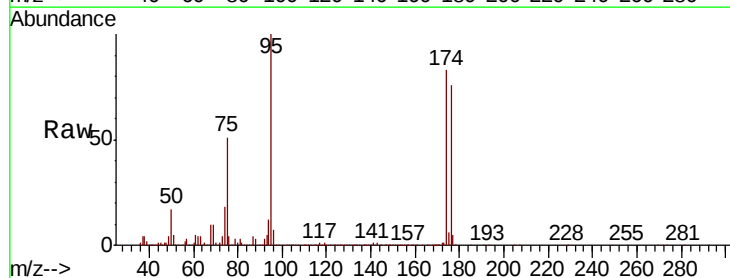
Tgt Ion: 95 Resp: 419687

Ion Ratio Lower Upper

95 100

174 82.9 0.0 169.0

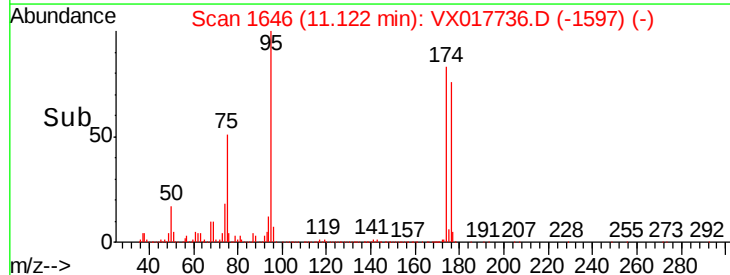
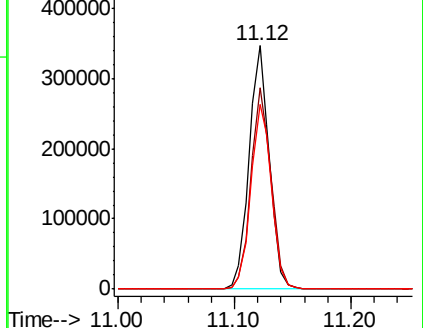
176 77.5 0.0 161.0

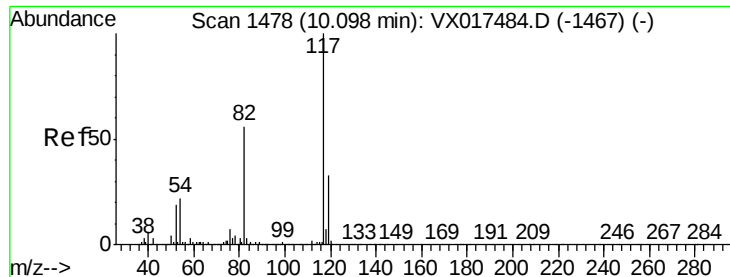


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

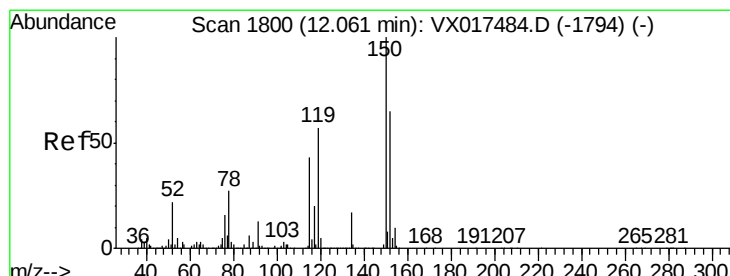
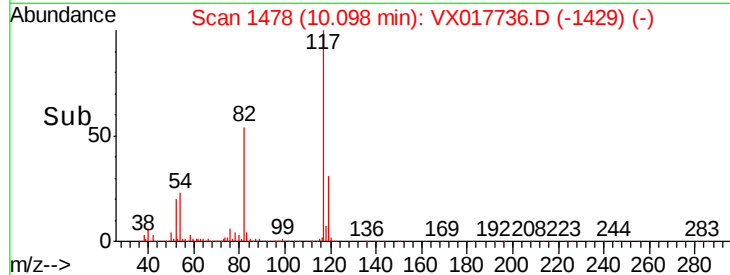
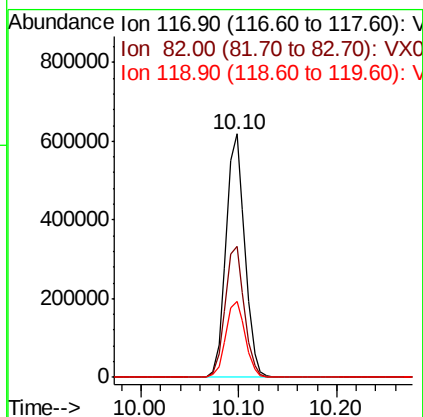
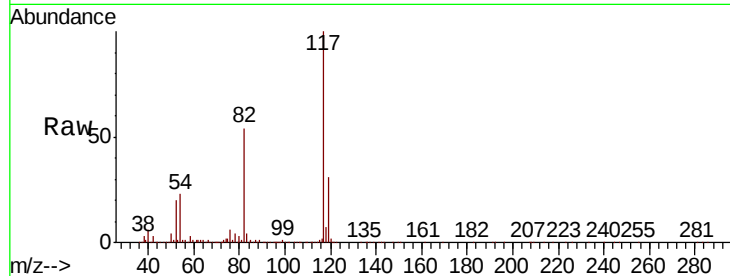




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017736.D
Acq: 01 Aug 2020 05:33

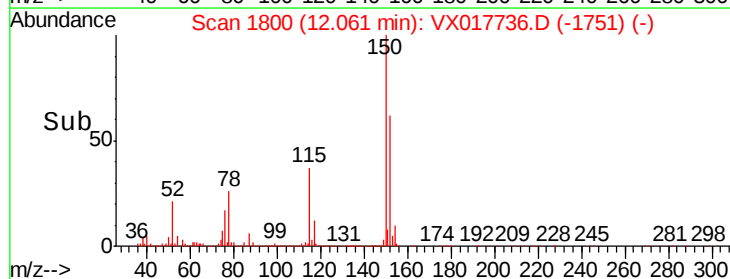
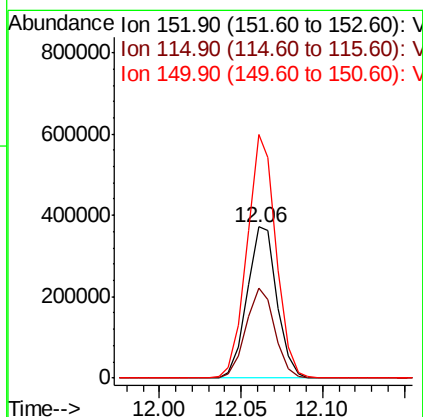
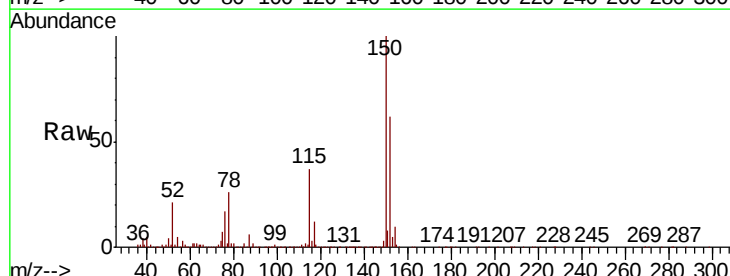
Instrument :
MSVOA_X
ClientSampled :
TP-3

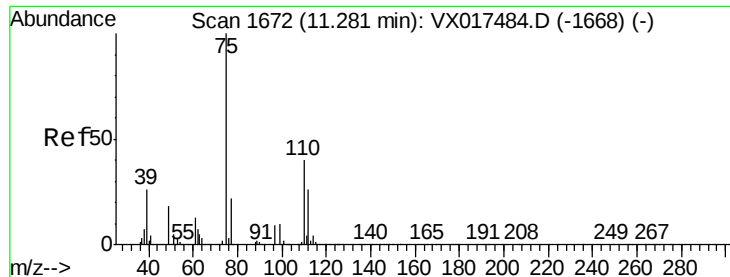
Tot Ion:117 Resp: 823939
Ion Ratio Lower Upper
117 100
82 53.6 44.0 66.0
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017736.D
Acq: 01 Aug 2020 05:33

Tgt Ion:152 Resp: 474787
Ion Ratio Lower Upper
152 100
115 57.8 65.5 196.6#
150 156.2 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 21.897 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017736.D

Acq: 01 Aug 2020 05:33

Instrument :

MSVOA_X

ClientSampleId :

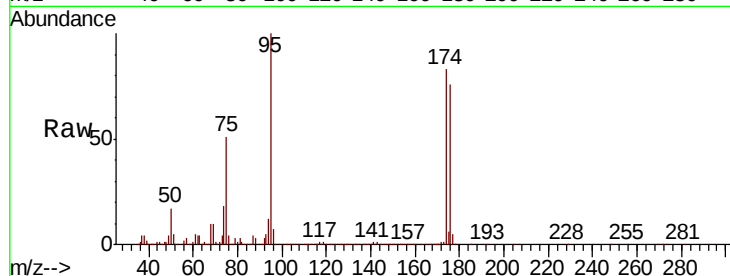
TP-3

Tot Ion: 75 Resp: 213856

Ion Ratio Lower Upper

75 100

77 1.2 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

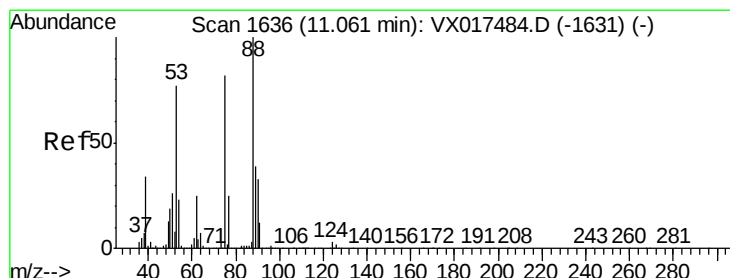
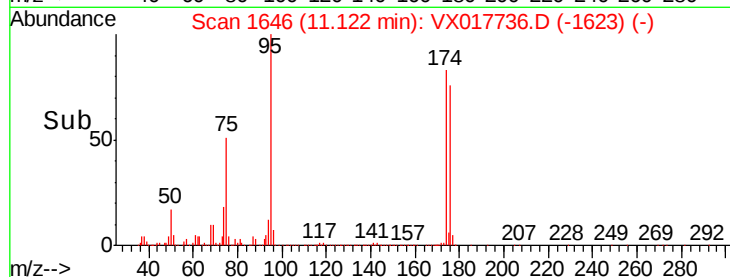
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 55.175 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017736.D

Acq: 01 Aug 2020 05:33

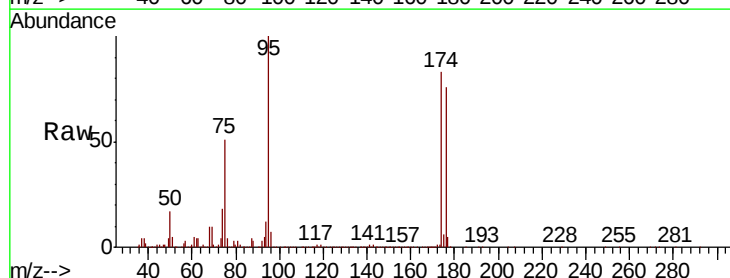
Tgt Ion: 75 Resp: 213856

Ion Ratio Lower Upper

75 100

53 0.5 75.9 113.9#

89 0.0 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

200000

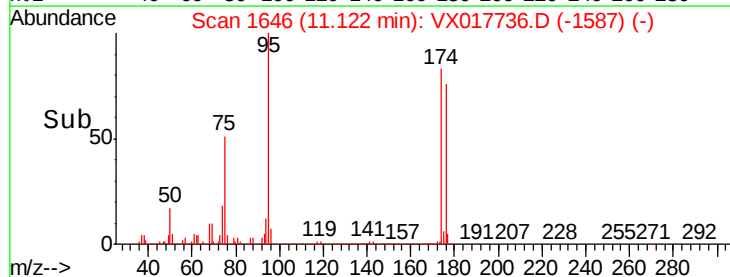
150000

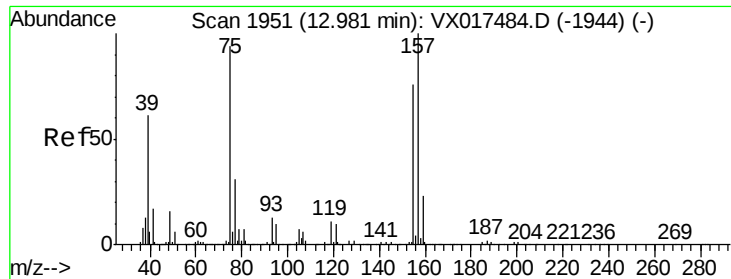
100000

50000

0

Time-->

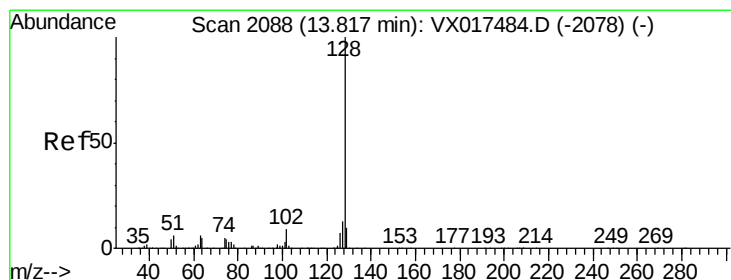
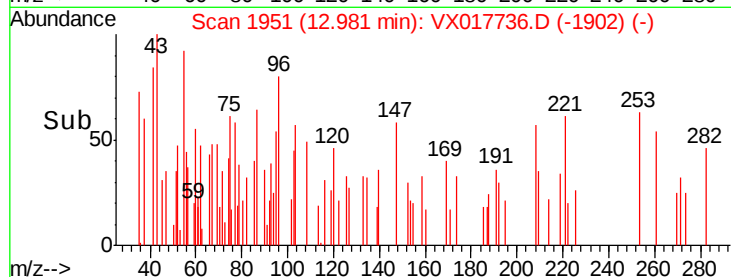
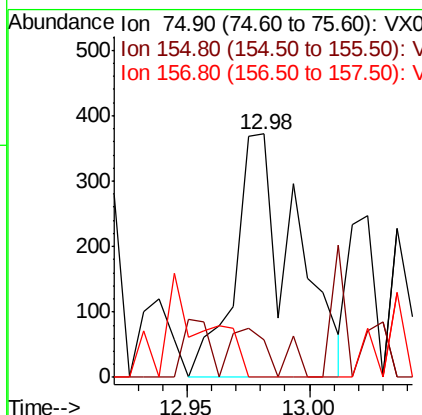
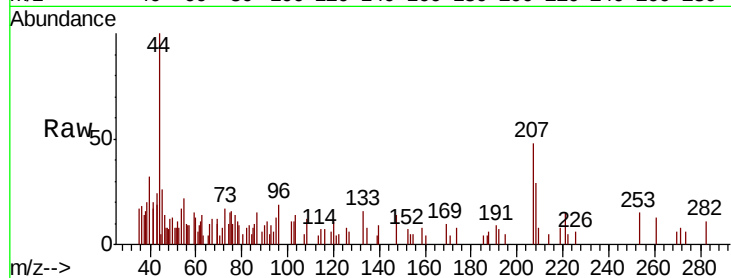




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.784 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017736.D
 Acq: 01 Aug 2020 05:33

Instrument :
 MSVOA_X
 ClientSampled :
 TP-3

Tot Ion: 75 Resp: 630
 Ion Ratio Lower Upper
 75 100
 155 15.2 42.3 126.8#
 157 0.0 54.3 162.9#



#95
 Naphthalene
 Concen: 0.304 ug/l
 RT: 13.82 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VX017736.D
 Acq: 01 Aug 2020 05:33

Tgt Ion: 128 Resp: 9534
 Ion Ratio Lower Upper
 128 100
 127 16.7 10.4 15.6#
 129 14.8 8.9 13.3#

