

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052323\
 Data File : VX035819.D
 Acq On : 23 May 2023 17:15
 Operator : JC/MD
 Sample : 02899-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP01

Quant Time: May 24 05:51:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

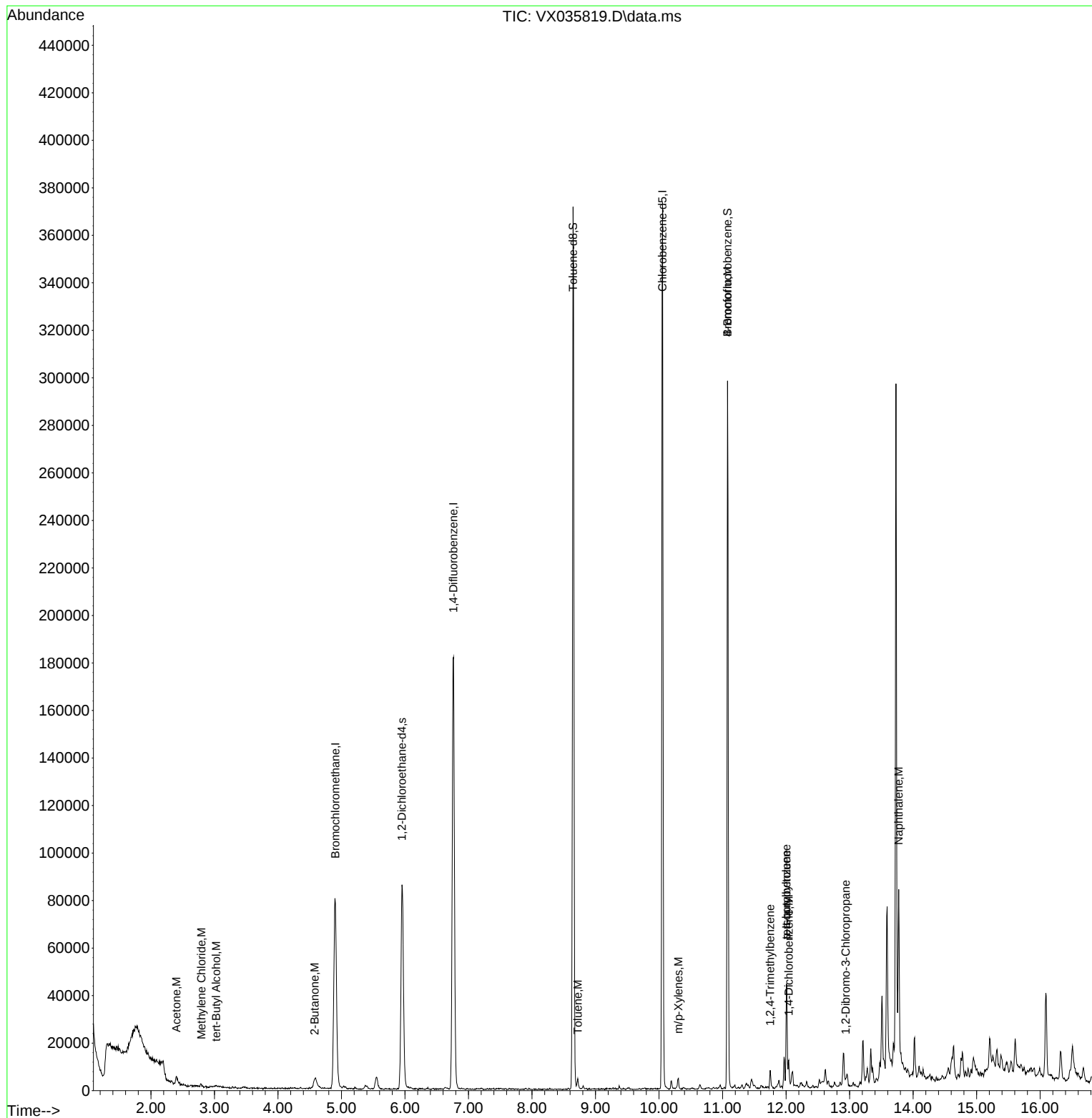
Internal Standards						
1) Bromochloromethane	4.904	128	31376	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.763	114	182966	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	160063	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	83088	31.871	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.233%
60) 4-Bromofluorobenzene	11.079	95	76569	28.509	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.033%
63) Toluene-d8	8.647	98	215903	30.512	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.700%
Target Compounds						
					Qvalue	
15) Acetone	2.398	58	1161	3.484	ug/l	87
18) Methylene Chloride	2.794	84	456	0.223	ug/l	92
23) tert-Butyl Alcohol	3.026	59	608	1.495	ug/l #	100
30) 2-Butanone	4.574	43	2103	1.261	ug/l #	96
56) Bromoform	11.079	173	622	0.500	ug/l #	1
62) Toluene	8.720	91	2590	0.314	ug/l	86
67) m/p-Xylenes	10.305	106	1131	0.324	ug/l	93
79) tert-butylbenzene	12.006	119	18535	2.537	ug/l	67
80) 1,2,4-Trimethylbenzene	11.750	105	2693	0.354	ug/l	96
82) p-Isopropyltoluene	12.006	119	18535	2.416	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	3200	0.778	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	12.939	75	136	0.226	ug/l #	3
91) Naphthalene	13.774	128	31041	3.729	ug/l	99

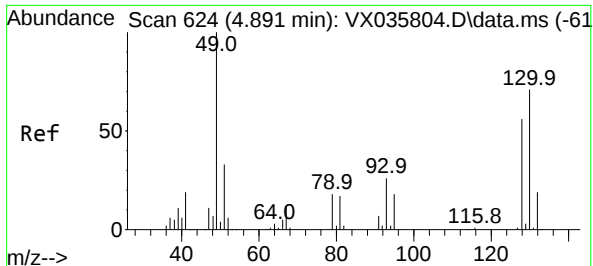
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052323\
Data File : VX035819.D
Acq On : 23 May 2023 17:15
Operator : JC/MD
Sample : 02899-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TWP01

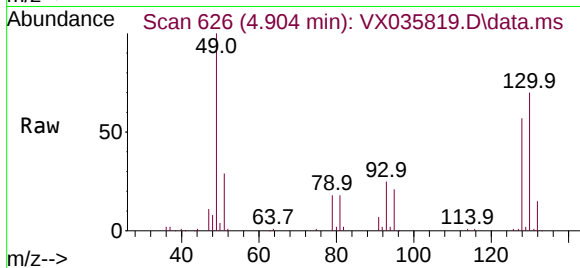
Quant Time: May 24 05:51:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 23 11:36:37 2023
Response via : Initial Calibration



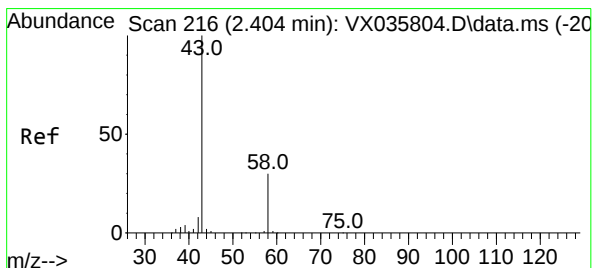
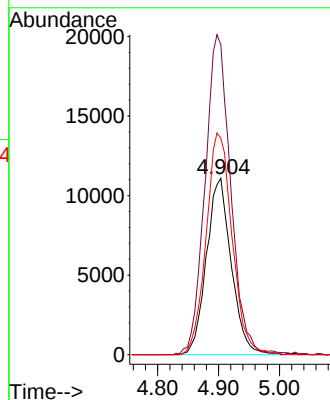
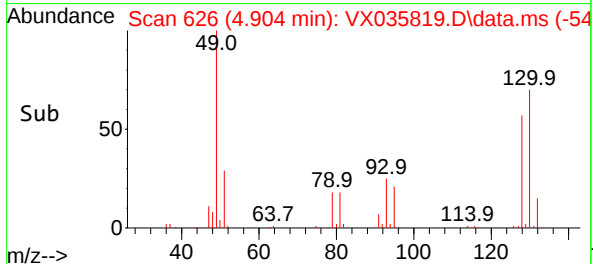


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15

Instrument :
MSVOA_X
ClientSampleId :
TWP01

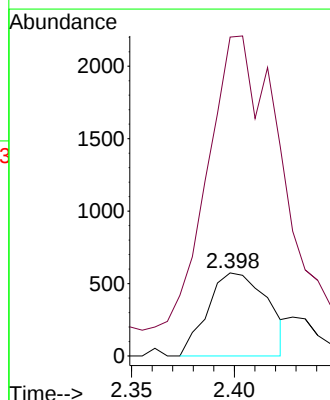
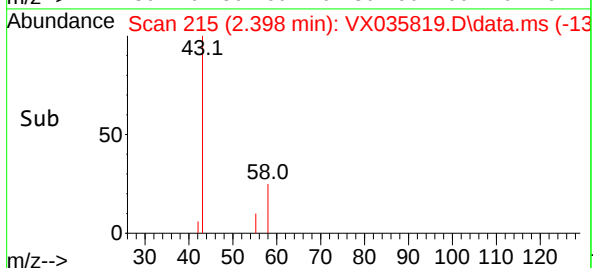
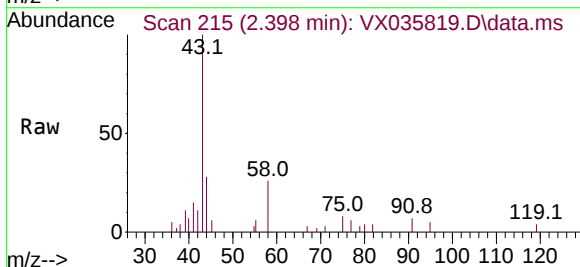


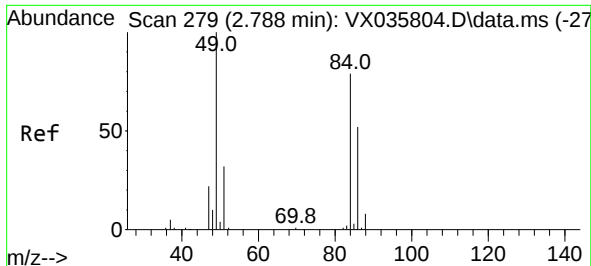
Tgt Ion:128 Resp: 31376
Ion Ratio Lower Upper
128 100
49 186.4 0.0 428.8
130 131.4 0.0 310.8



#15
Acetone
Concen: 3.484 ug/l
RT: 2.398 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15

Tgt Ion: 58 Resp: 1161
Ion Ratio Lower Upper
58 100
43 311.0 270.8 406.2





#18

Methylene Chloride

Concen: 0.223 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX035819.D

Acq: 23 May 2023 17:15

Instrument :

MSVOA_X

ClientSampleId :

TWP01

Tgt Ion: 84 Resp: 456

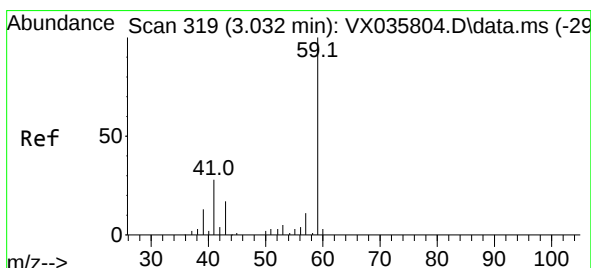
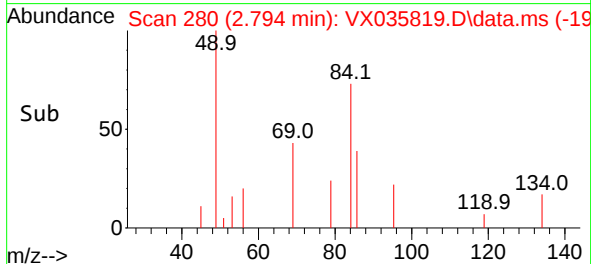
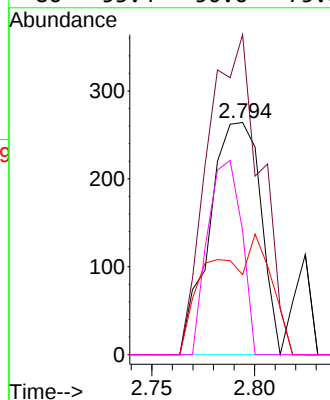
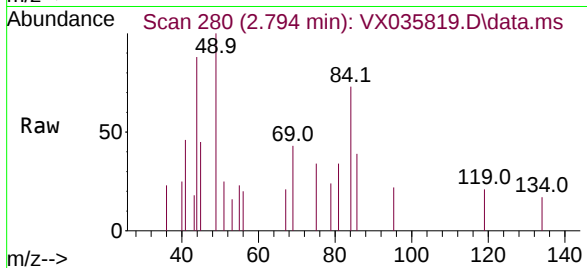
Ion Ratio Lower Upper

84 100

49 137.9 103.9 155.9

51 34.5 30.6 45.8

86 53.4 50.6 75.8



#23

tert-Butyl Alcohol

Concen: 1.495 ug/l

RT: 3.026 min Scan# 318

Delta R.T. -0.006 min

Lab File: VX035819.D

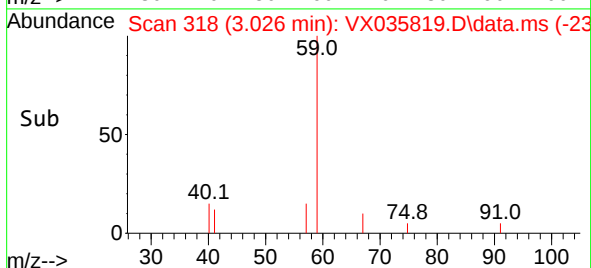
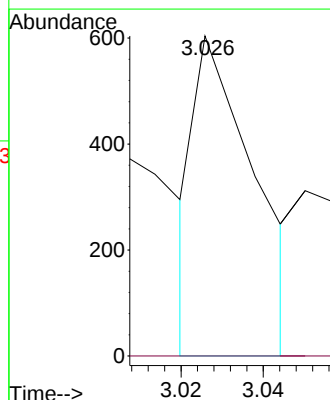
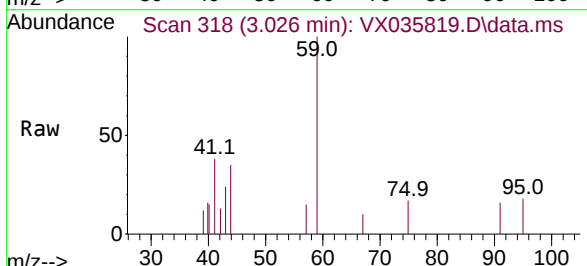
Acq: 23 May 2023 17:15

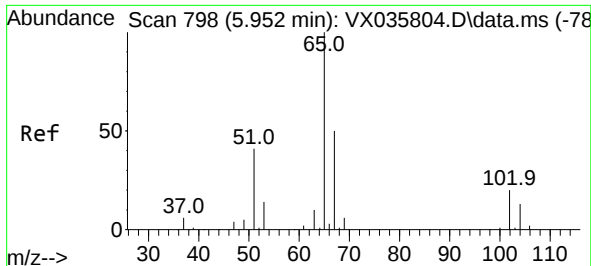
Tgt Ion: 59 Resp: 608

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.4#

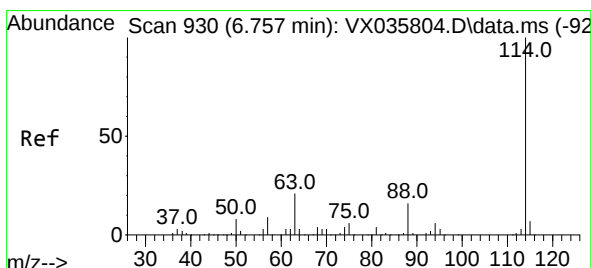
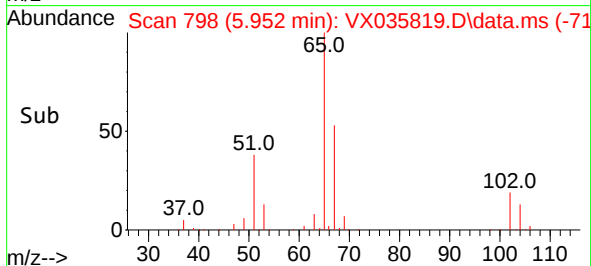
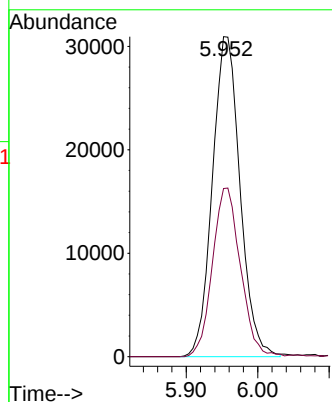
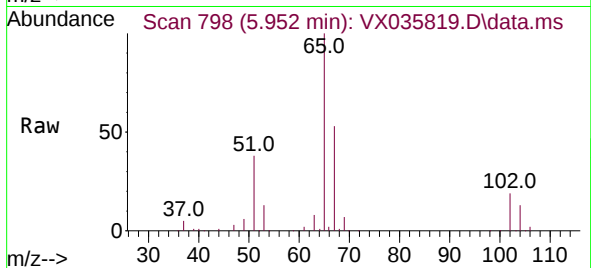




#27
 1,2-Dichloroethane-d4
 Concen: 31.871 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX035819.D
 Acq: 23 May 2023 17:15

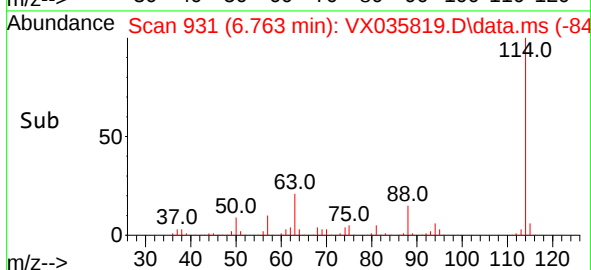
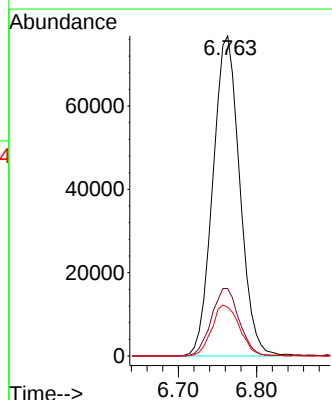
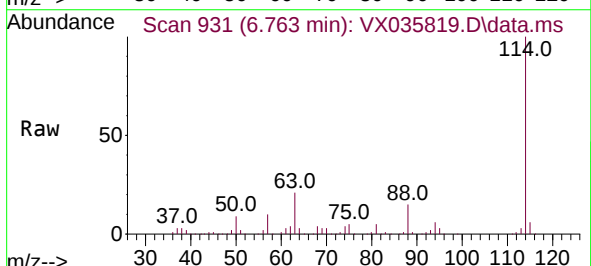
Instrument :
 MSVOA_X
 ClientSampleId :
 TWP01

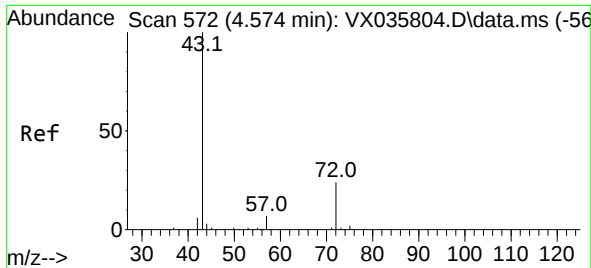
Tgt Ion: 65 Resp: 83088
 Ion Ratio Lower Upper
 65 100
 67 53.3 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX035819.D
 Acq: 23 May 2023 17:15

Tgt Ion: 114 Resp: 182966
 Ion Ratio Lower Upper
 114 100
 63 21.8 18.0 27.0
 88 16.4 13.3 19.9

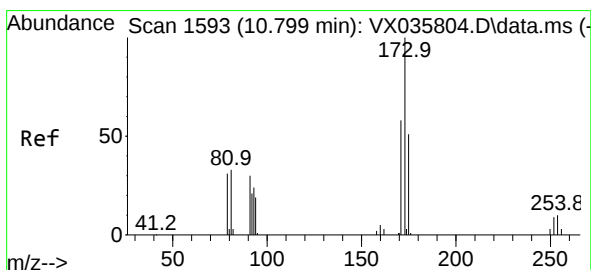
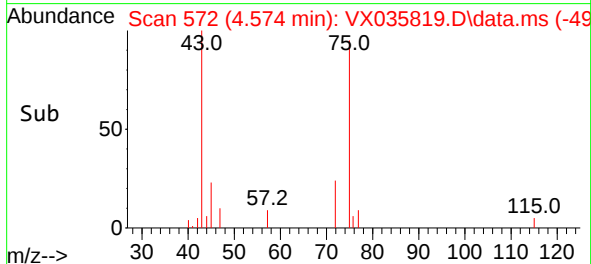
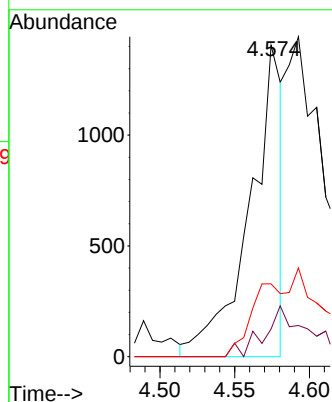
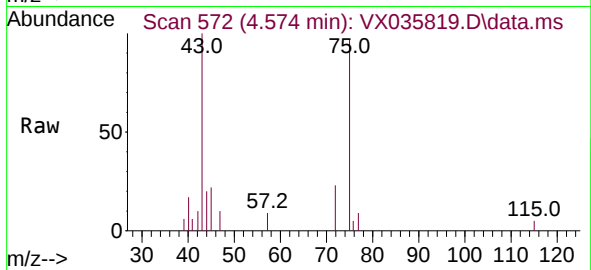




#30
2-Butanone
Concen: 1.261 ug/l
RT: 4.574 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15

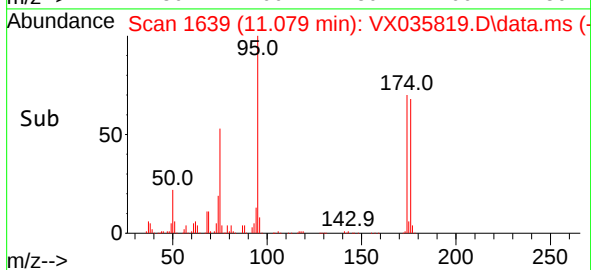
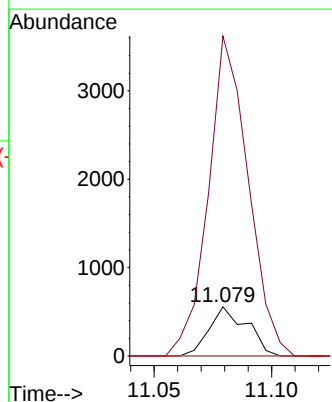
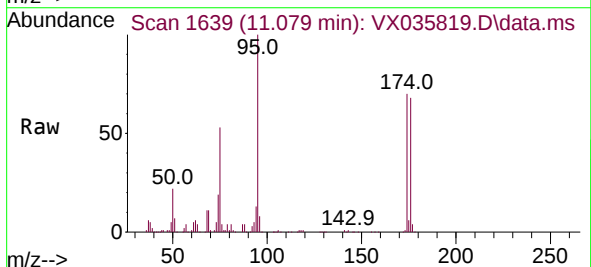
Instrument :
MSVOA_X
ClientSampleId :
TWP01

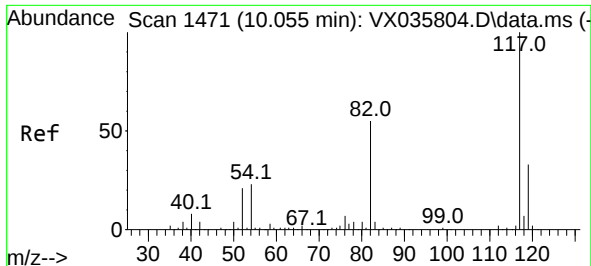
Tgt Ion: 43 Resp: 2103
Ion Ratio Lower Upper
43 100
57 5.4 6.3 9.5#
72 22.8 19.6 29.4



#56
Bromoform
Concen: 0.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15

Tgt Ion:173 Resp: 622
Ion Ratio Lower Upper
173 100
175 687.9 37.0 55.4#
254 0.0 6.7 10.1#

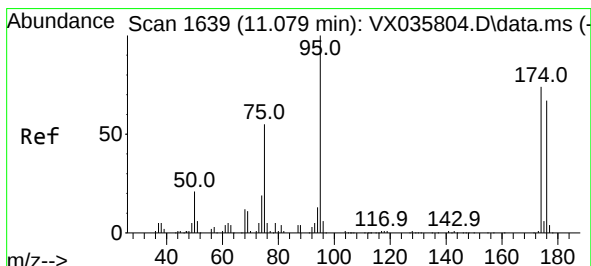
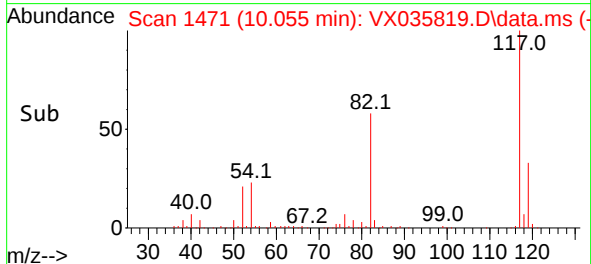
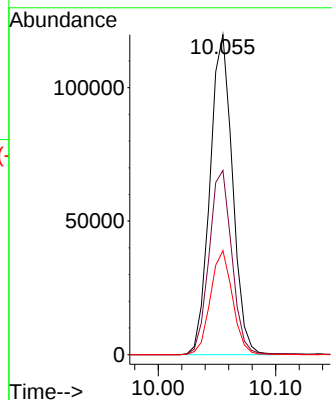
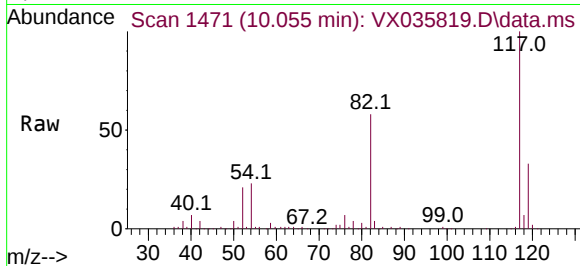




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15

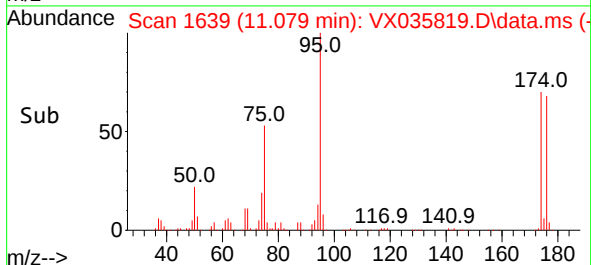
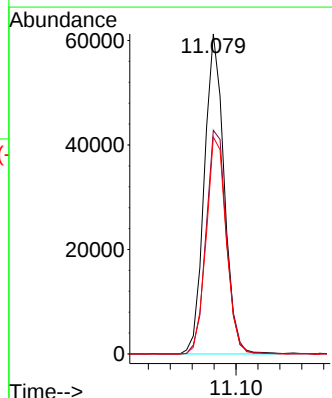
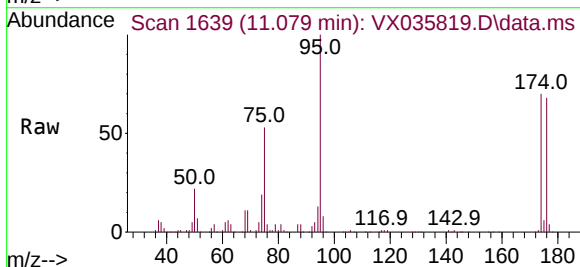
Instrument :
MSVOA_X
ClientSampleId :
TWP01

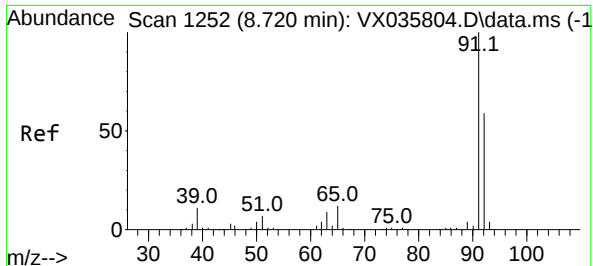
Tgt Ion:117 Resp: 160063
Ion Ratio Lower Upper
117 100
82 58.0 45.8 68.8
119 32.0 25.4 38.0



#60
4-Bromofluorobenzene
Concen: 28.509 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15

Tgt Ion: 95 Resp: 76569
Ion Ratio Lower Upper
95 100
174 71.7 0.2 0.4#
176 68.9 0.2 0.2#





#62

Toluene

Concen: 0.314 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX035819.D

Acq: 23 May 2023 17:15

Instrument :

MSVOA_X

ClientSampleId :

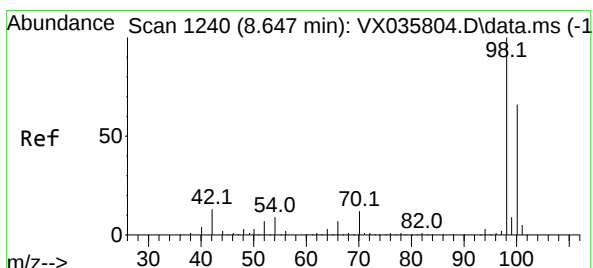
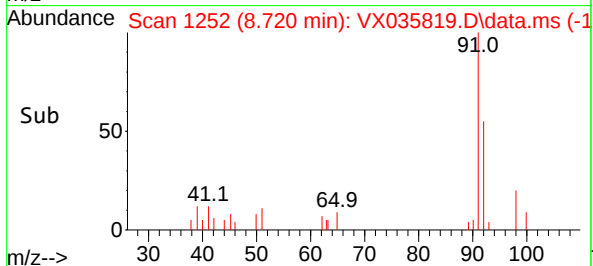
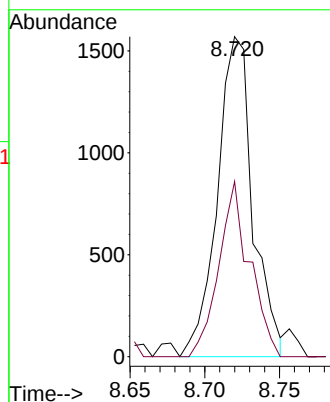
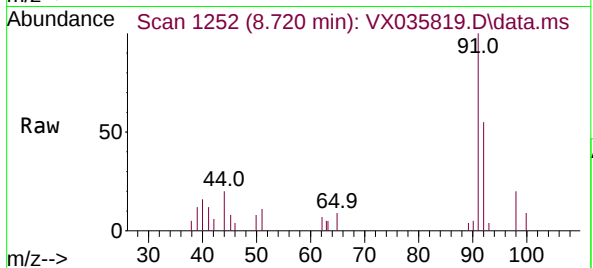
TWP01

Tgt Ion: 91 Resp: 2590

Ion Ratio Lower Upper

91 100

92 47.5 46.5 69.7



#63

Toluene-d8

Concen: 30.512 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035819.D

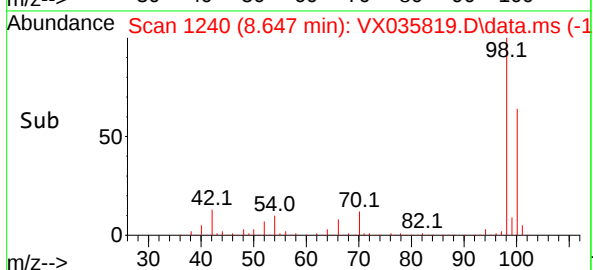
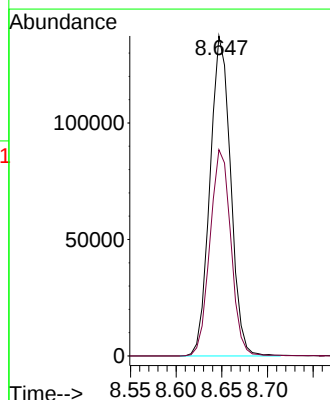
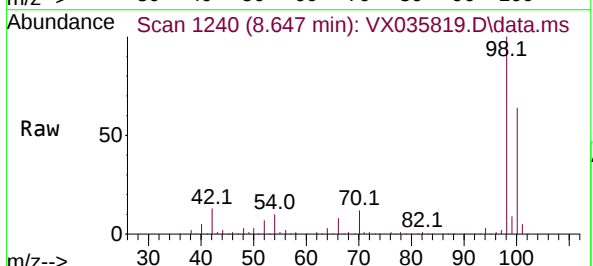
Acq: 23 May 2023 17:15

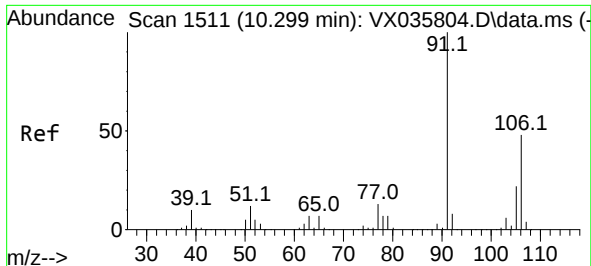
Tgt Ion: 98 Resp: 215903

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1





#67

m/p-Xylenes

Concen: 0.324 ug/l

RT: 10.305 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX035819.D

Acq: 23 May 2023 17:15

Instrument :

MSVOA_X

ClientSampleId :

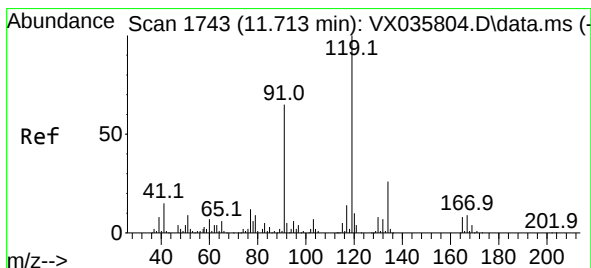
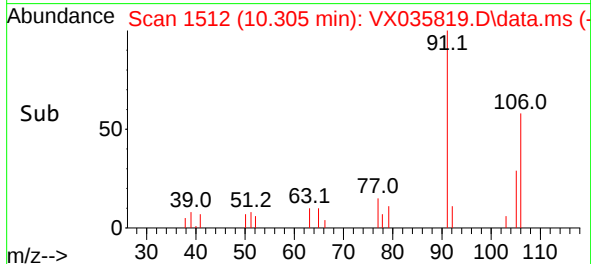
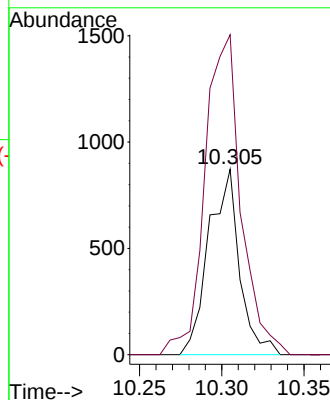
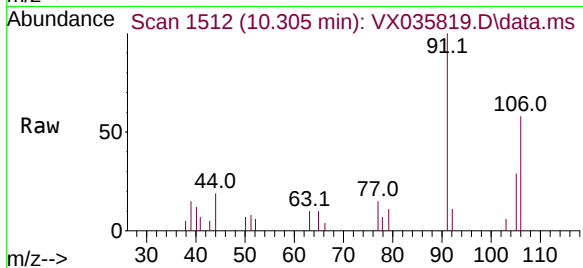
TWP01

Tgt Ion:106 Resp: 1131

Ion Ratio Lower Upper

106 100

91 197.8 167.4 251.2



#79

tert-butylbenzene

Concen: 2.537 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.293 min

Lab File: VX035819.D

Acq: 23 May 2023 17:15

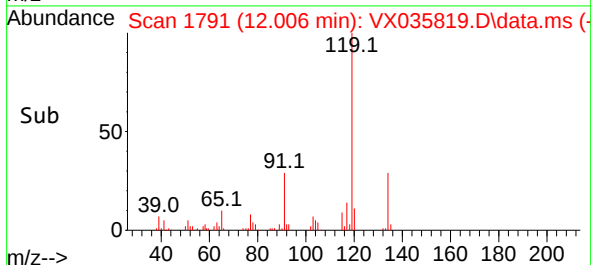
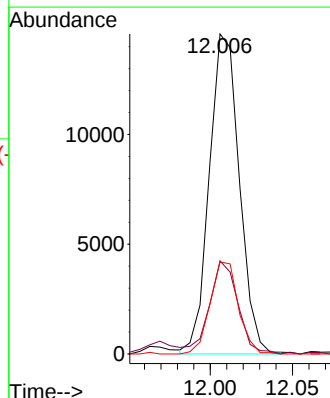
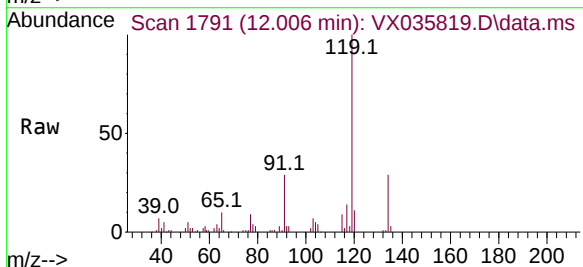
Tgt Ion:119 Resp: 18535

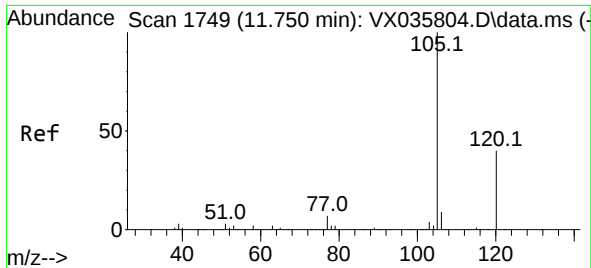
Ion Ratio Lower Upper

119 100

91 27.6 0.0 122.4

134 26.9 0.0 49.2

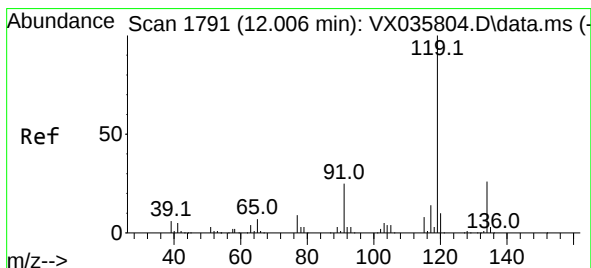
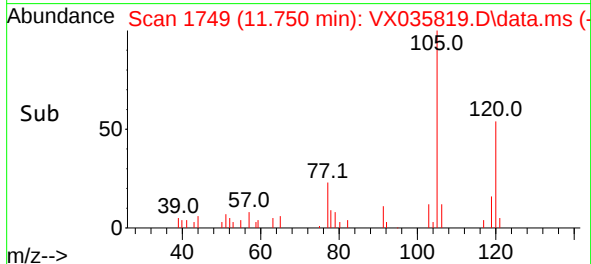
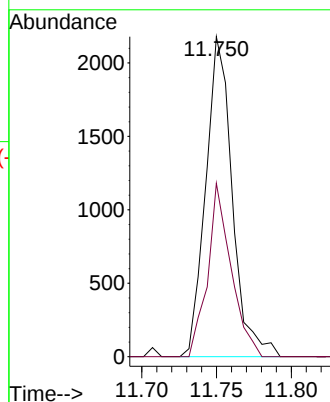
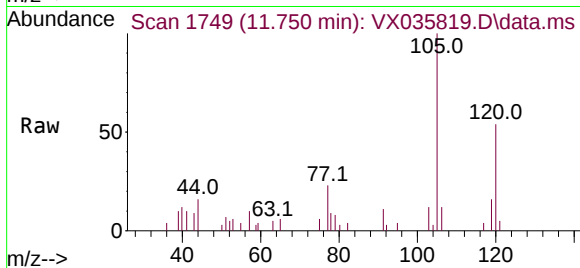




#80
1,2,4-Trimethylbenzene
Concen: 0.354 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15

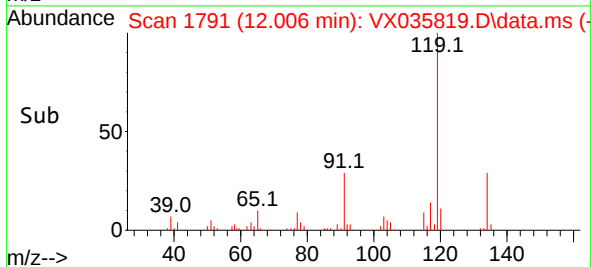
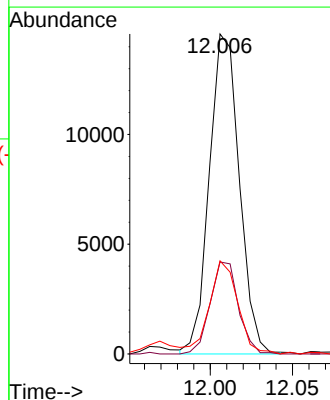
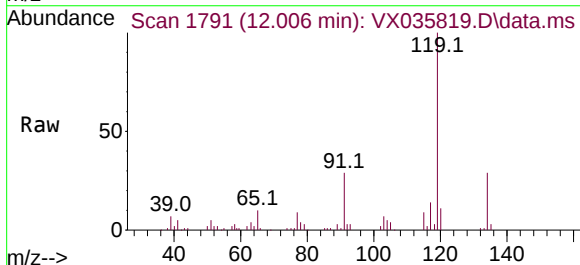
Instrument :
MSVOA_X
ClientSampleId :
TWP01

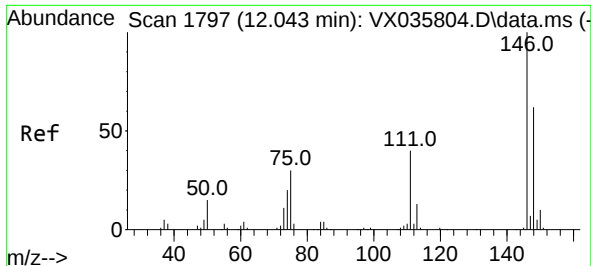
Tgt Ion:105 Resp: 2693
Ion Ratio Lower Upper
105 100
120 47.8 0.0 90.4



#82
p-Isopropyltoluene
Concen: 2.416 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15

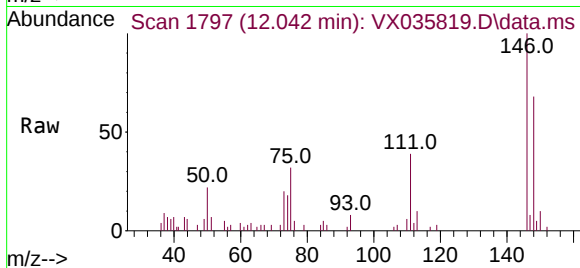
Tgt Ion:119 Resp: 18535
Ion Ratio Lower Upper
119 100
134 26.9 0.0 52.2
91 27.6 0.0 51.0



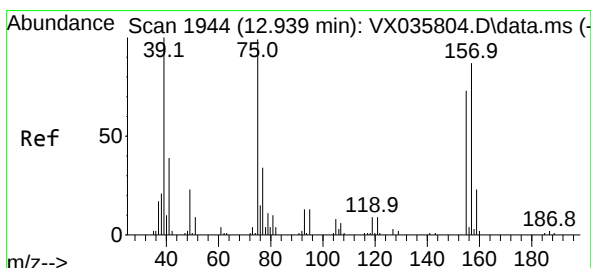
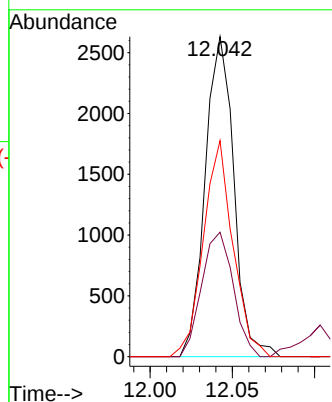
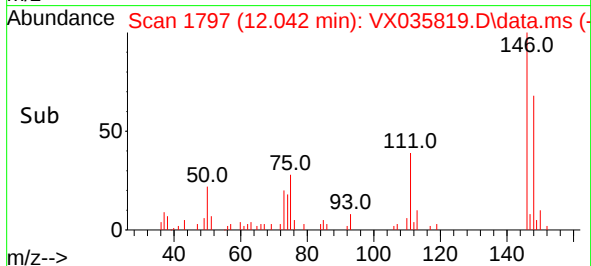


#84
1,4-Dichlorobenzene
Concen: 0.778 ug/l
RT: 12.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15

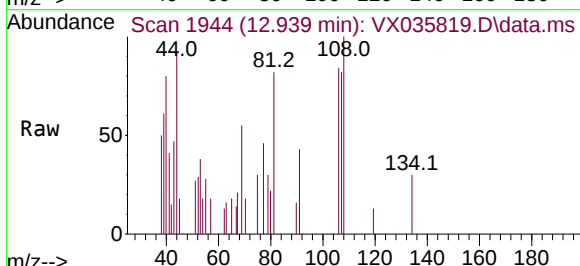
Instrument :
MSVOA_X
ClientSampleId :
TWP01



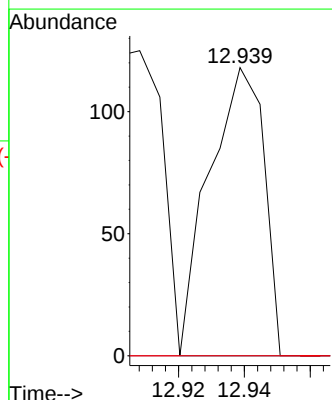
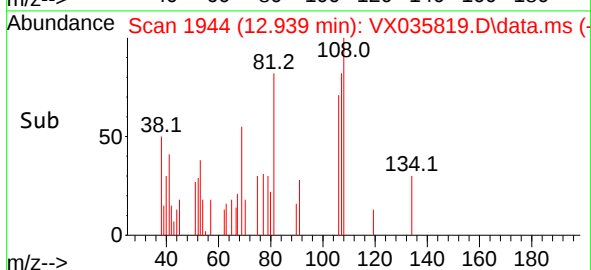
Tgt Ion:146 Resp: 3200
Ion Ratio Lower Upper
146 100
111 42.8 20.3 60.9
148 69.6 31.8 95.3

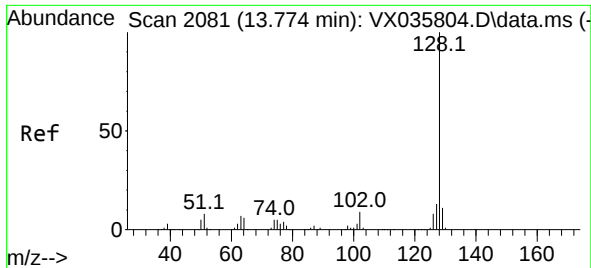


#88
1,2-Dibromo-3-Chloropropane
Concen: 0.226 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15



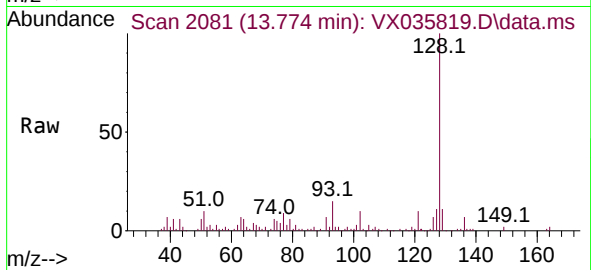
Tgt Ion: 75 Resp: 136
Ion Ratio Lower Upper
75 100
155 0.0 63.7 95.5#
157 0.0 83.7 125.5#





#91
Naphthalene
Concen: 3.729 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15

Instrument :
MSVOA_X
ClientSampleId :
TWP01



Tgt Ion:	128	Resp:	31041
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.8	8.8	13.2

