

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060123\
 Data File : VX035953.D
 Acq On : 01 Jun 2023 12:34
 Operator : JC/MD
 Sample : 02955-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP05

Quant Time: Jun 02 01:36:46 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)

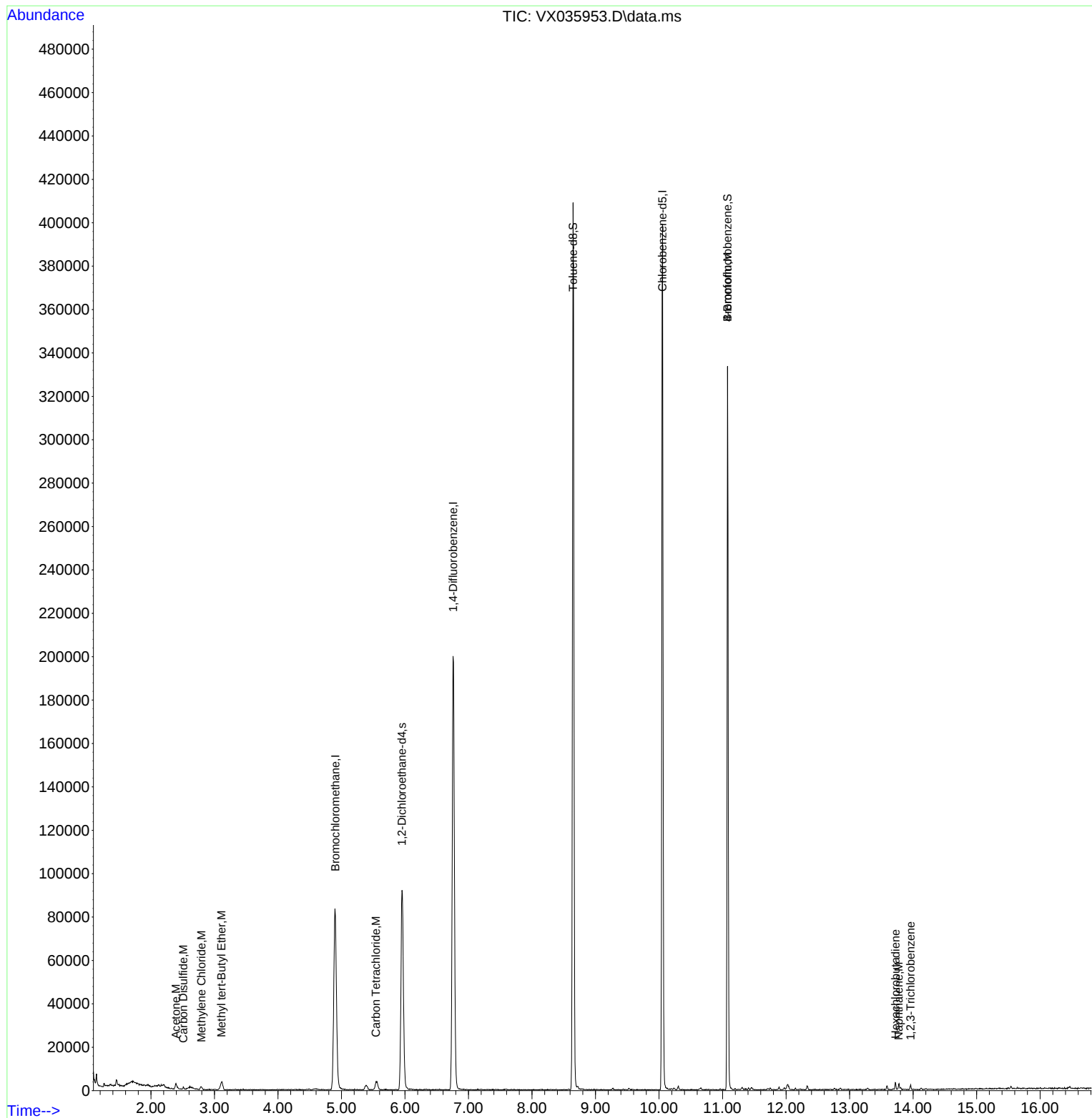
Internal Standards						
1) Bromochloromethane	4.904	128	34231	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	200420	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	178497	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	93427	32.848	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.500%
60) 4-Bromofluorobenzene	11.079	95	87237	29.126	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.100%
63) Toluene-d8	8.647	98	235145	29.799	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.333%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	1034	2.844	ug/l	86
16) Carbon Disulfide	2.508	76	1074	0.288	ug/l #	76
18) Methylene Chloride	2.794	84	745	0.333	ug/l	87
24) Methyl tert-Butyl Ether	3.111	73	3909	0.565	ug/l	94
33) Carbon Tetrachloride	5.544	117	525	0.204	ug/l #	14
56) Bromoform	11.079	173	639	0.469	ug/l #	1
90) Hexachlorobutadiene	13.725	225	500	0.506	ug/l	86
91) Naphthalene	13.774	128	2258	0.243	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	644	0.240	ug/l	73

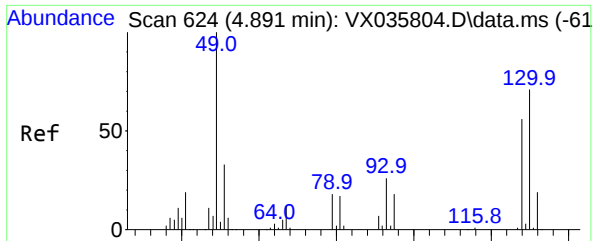
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
TWP05

Quant Time: Jun 02 01:36:46 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

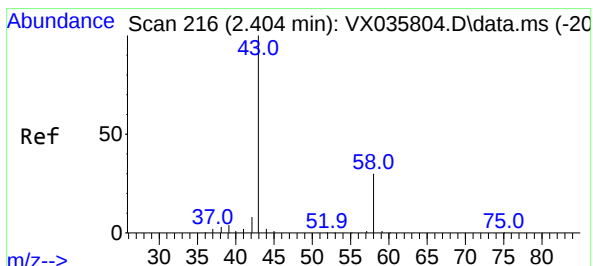
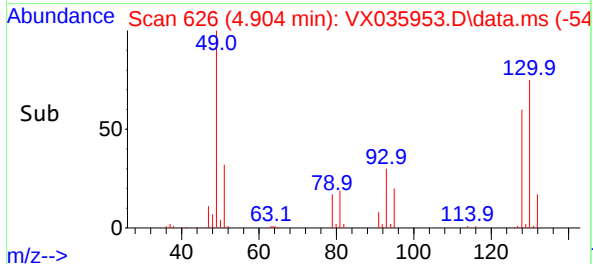
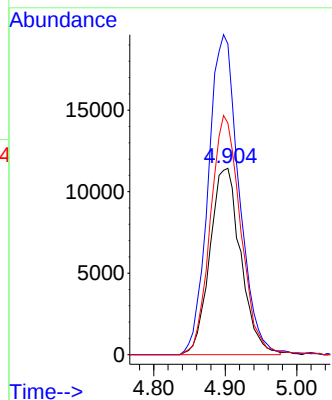
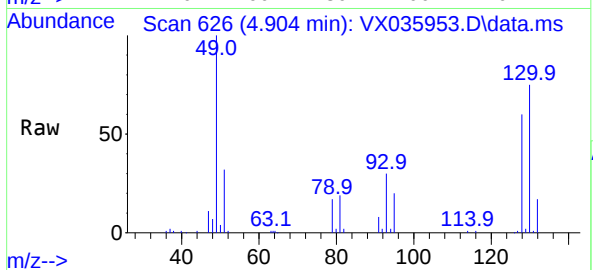




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

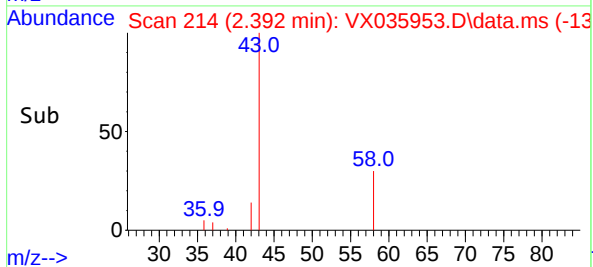
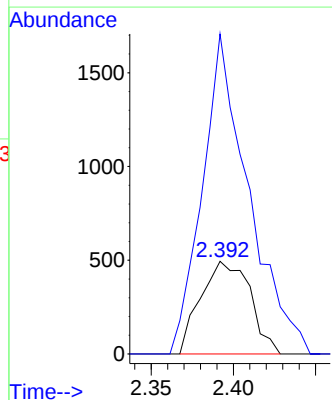
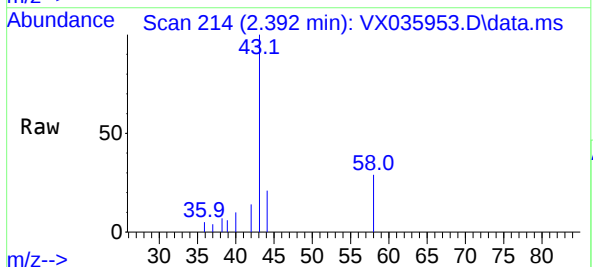
Instrument :
MSVOA_X
ClientSampleId :
TWP05

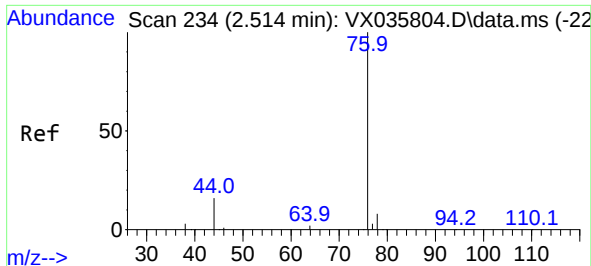
Tgt Ion:128 Resp: 34231
Ion Ratio Lower Upper
128 100
49 170.5 0.0 428.8
130 126.6 0.0 310.8



#15
Acetone
Concen: 2.844 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

Tgt Ion: 58 Resp: 1034
Ion Ratio Lower Upper
58 100
43 309.3 270.8 406.2

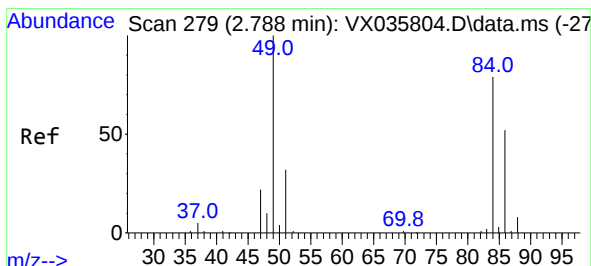
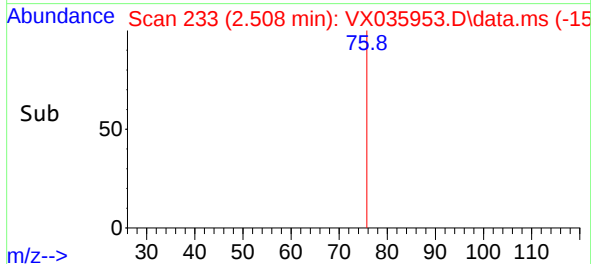
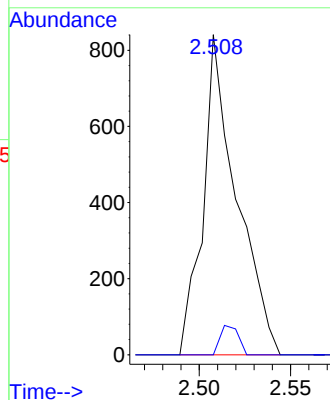
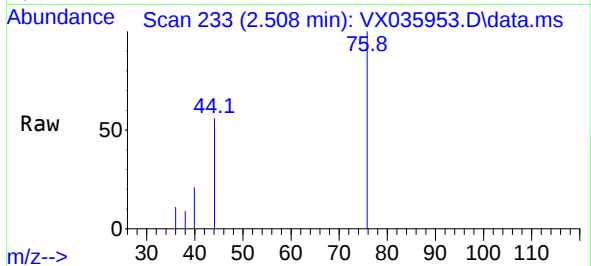




#16
Carbon Disulfide
Concen: 0.288 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

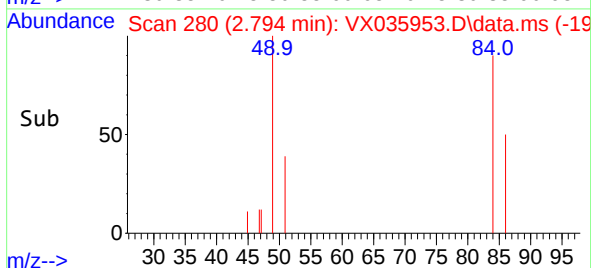
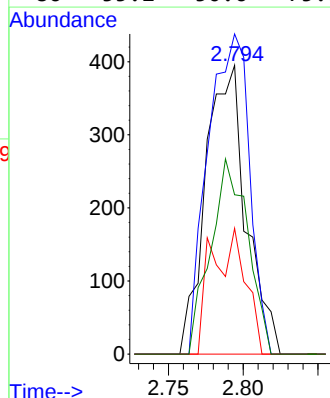
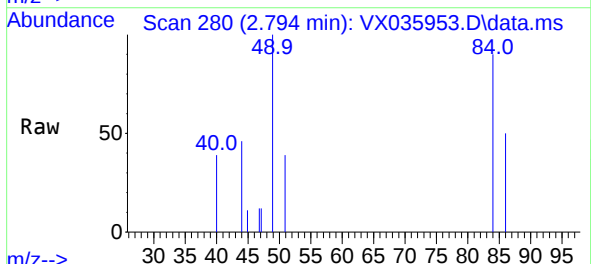
Instrument :
MSVOA_X
ClientSampleId :
TWP05

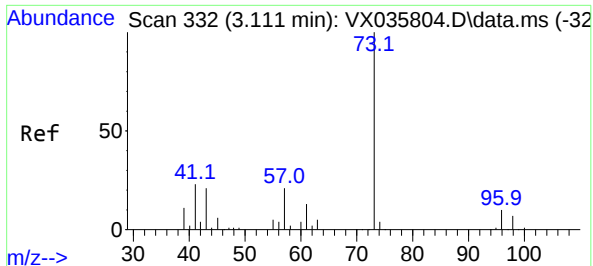
Tgt Ion: 76 Resp: 1074
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methylene Chloride
Concen: 0.333 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

Tgt Ion: 84 Resp: 745
Ion Ratio Lower Upper
84 100
49 110.9 103.9 155.9
51 43.5 30.6 45.8
86 55.2 50.6 75.8

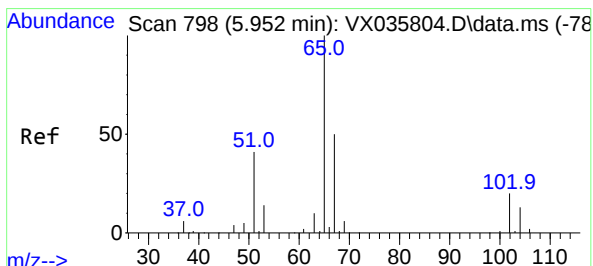
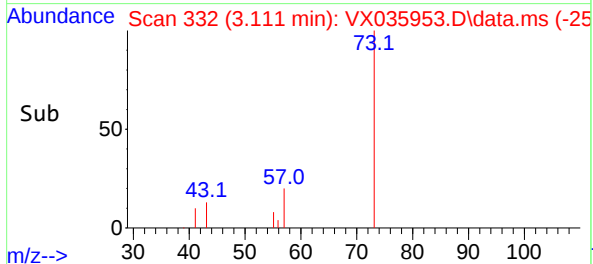
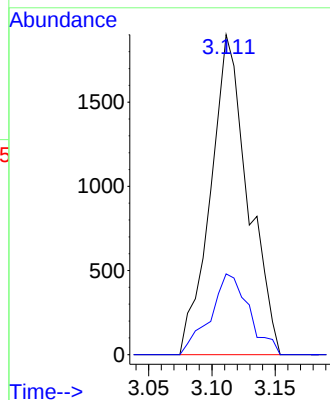
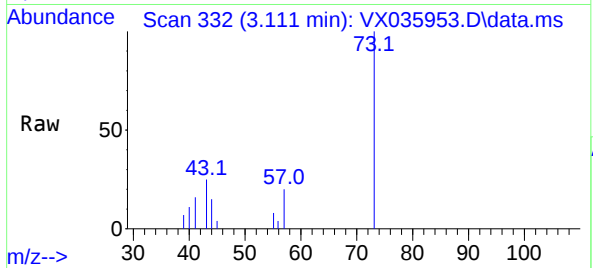




#24
Methyl tert-Butyl Ether
Concen: 0.565 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

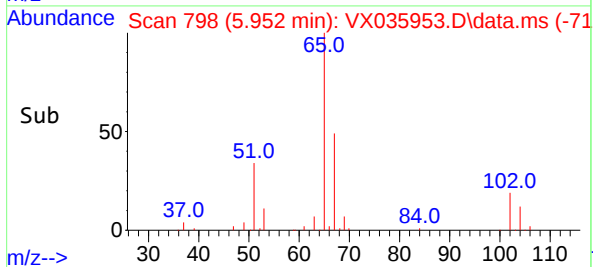
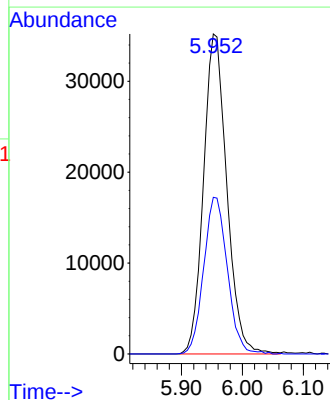
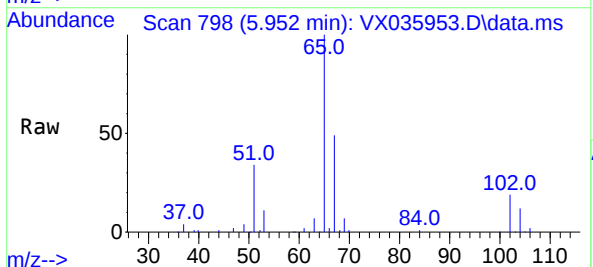
Instrument :
MSVOA_X
ClientSampleId :
TWP05

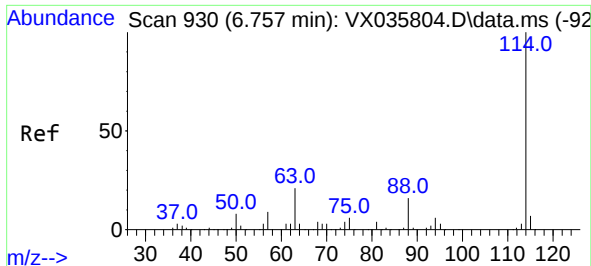
Tgt Ion: 73 Resp: 3909
Ion Ratio Lower Upper
73 100
43 25.4 17.9 26.9



#27
1,2-Dichloroethane-d4
Concen: 32.848 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

Tgt Ion: 65 Resp: 93427
Ion Ratio Lower Upper
65 100
67 49.5 40.9 61.3

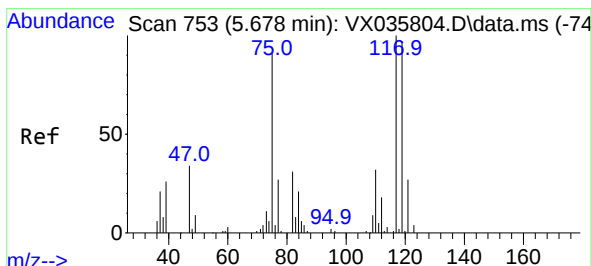
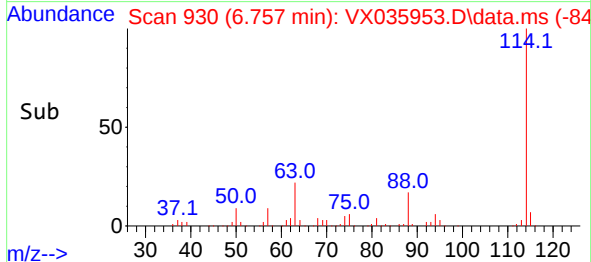
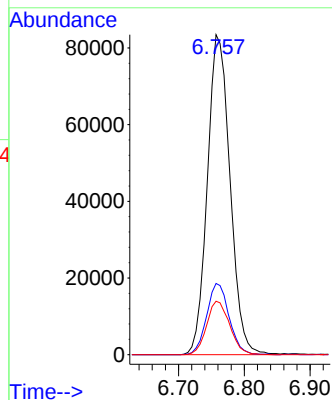
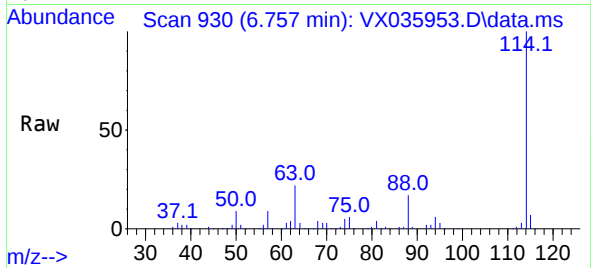




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

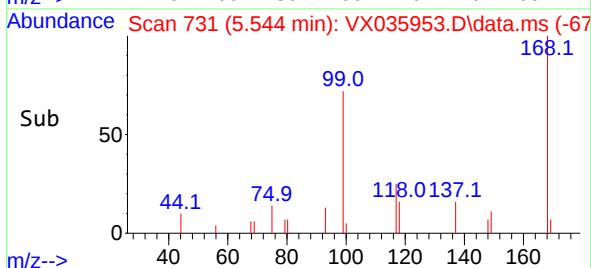
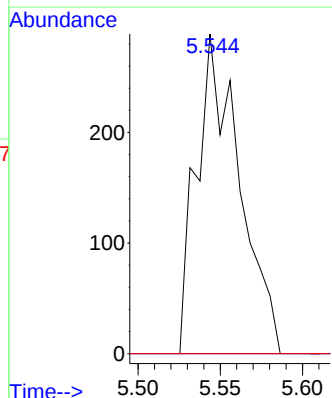
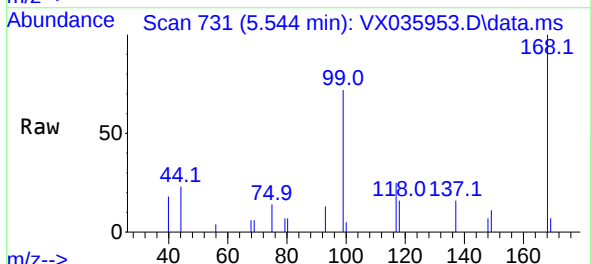
Instrument :
MSVOA_X
ClientSampleId :
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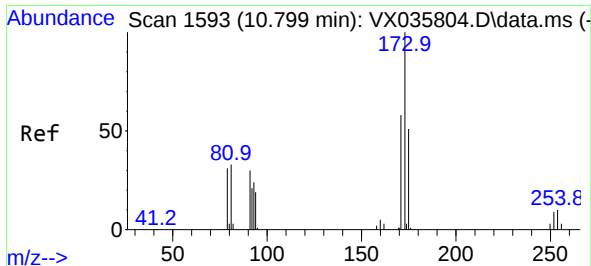
Tgt Ion:114 Resp: 200420
Ion Ratio Lower Upper
114 100
63 22.0 18.0 27.0
88 17.0 13.3 19.9



#33
Carbon Tetrachloride
Concen: 0.204 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

Tgt Ion:117 Resp: 525
Ion Ratio Lower Upper
117 100
119 0.0 73.3 109.9#
121 0.0 24.0 36.0#

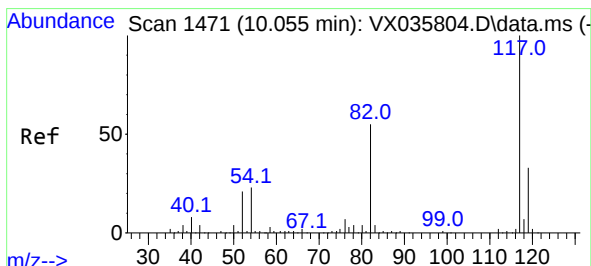
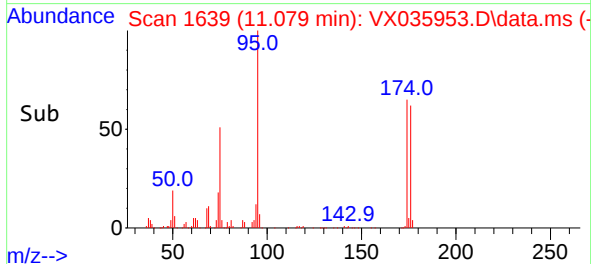
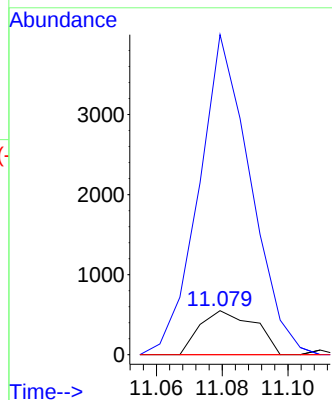
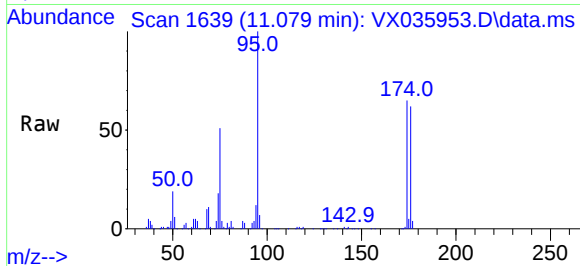




#56
Bromoform
Concen: 0.469 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

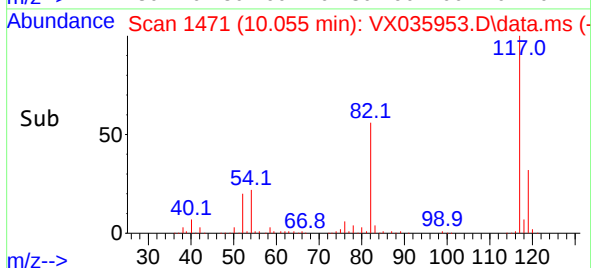
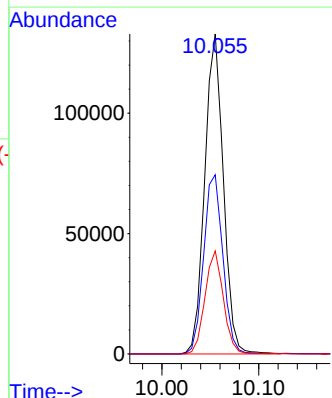
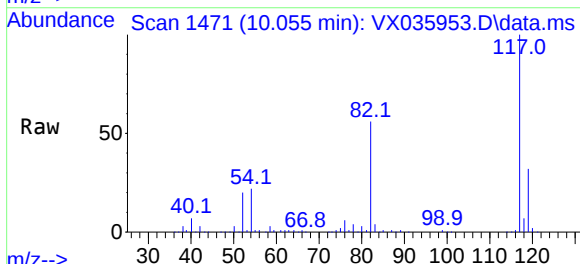
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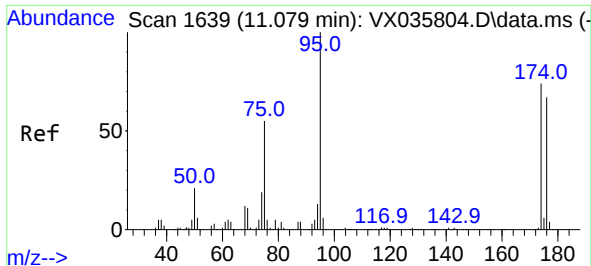
Tgt Ion:173 Resp: 639
Ion Ratio Lower Upper
173 100
175 685.4 37.0 55.4#
254 0.0 6.7 10.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

Tgt Ion:117 Resp: 178497
Ion Ratio Lower Upper
117 100
82 57.8 45.8 68.8
119 31.7 25.4 38.0

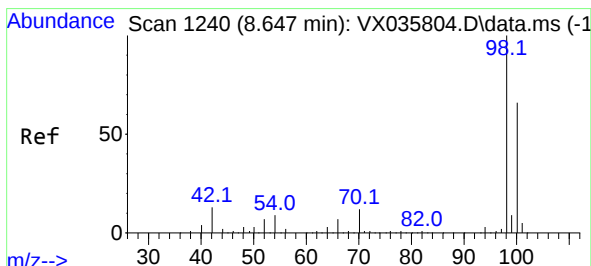
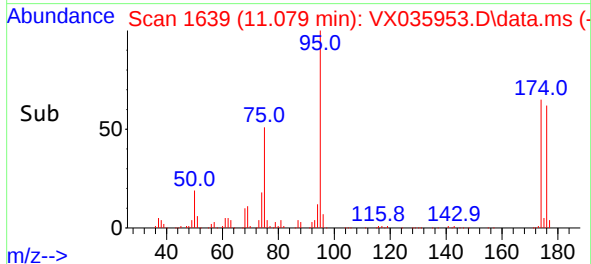
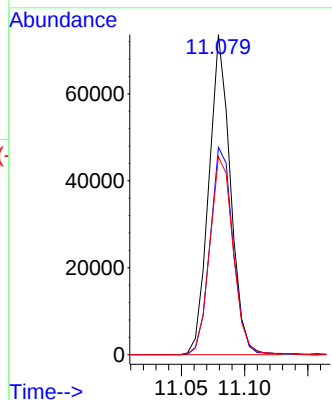
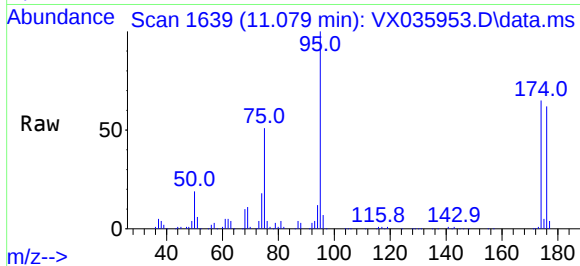




#60
4-Bromofluorobenzene
Concen: 29.126 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

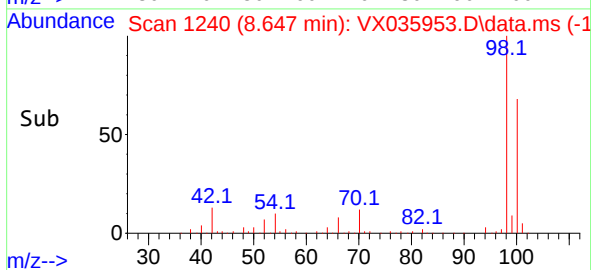
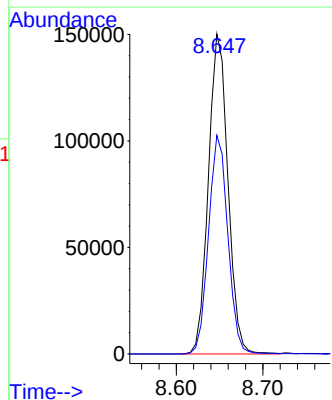
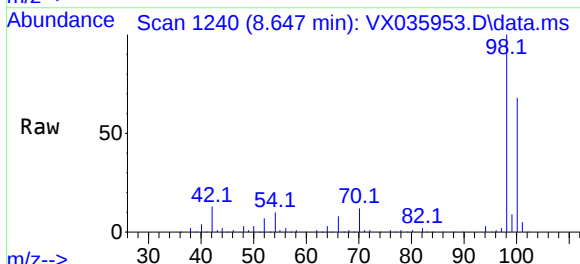
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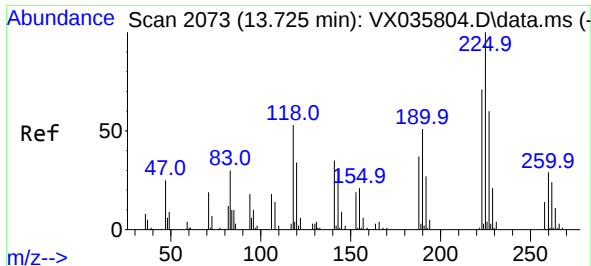
Tgt Ion: 95 Resp: 87237
Ion Ratio Lower Upper
95 100
174 69.0 0.2 0.4#
176 67.0 0.2 0.2#



#63
Toluene-d8
Concen: 29.799 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

Tgt Ion: 98 Resp: 235145
Ion Ratio Lower Upper
98 100
100 67.6 52.1 78.1

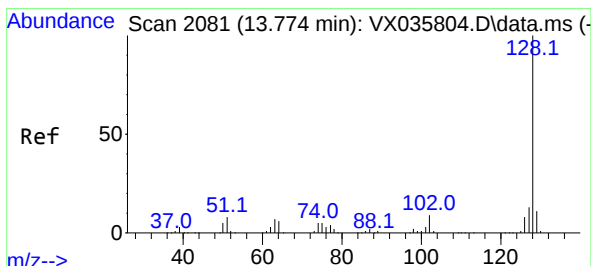
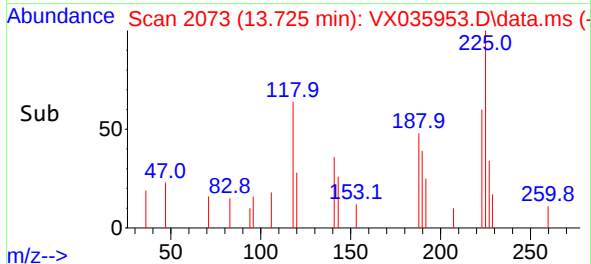
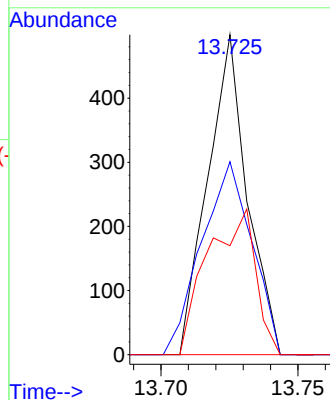
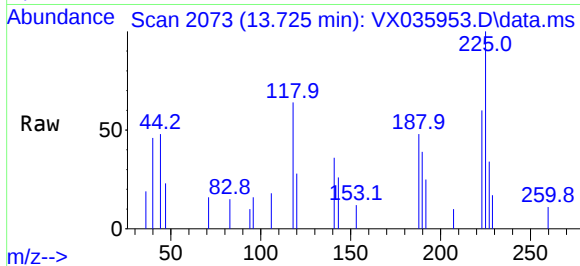




#90
Hexachlorobutadiene
Concen: 0.506 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

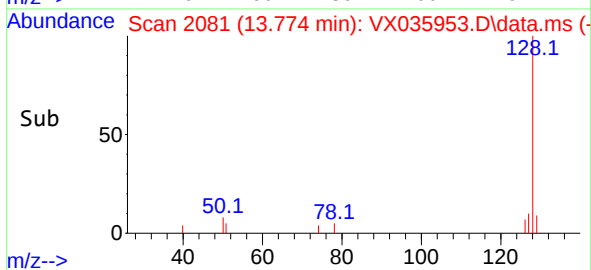
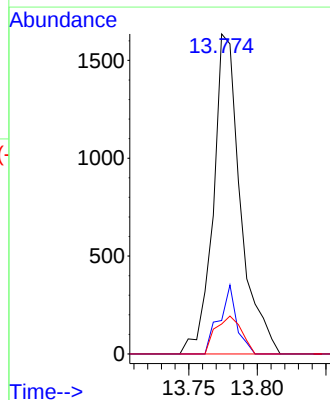
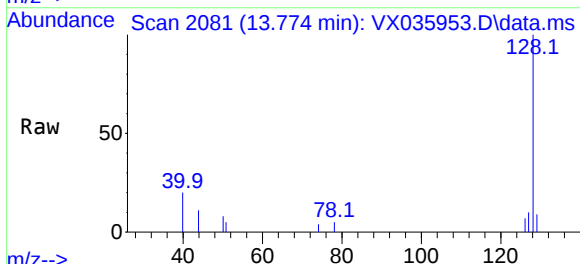
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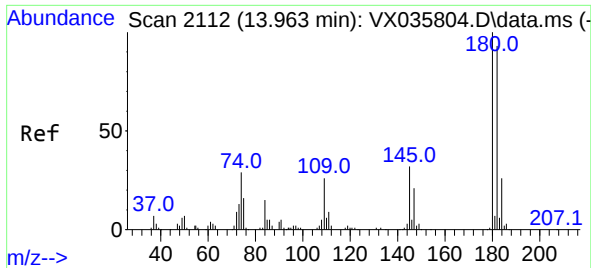
Tgt Ion:	225	Resp:	500
Ion	Ratio	Lower	Upper
225	100		
223	77.0	0.0	124.2
227	55.2	0.0	122.8



#91
Naphthalene
Concen: 0.243 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX035953.D
Acq: 01 Jun 2023 12:34

Tgt Ion:	128	Resp:	2258
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	11.2	8.8	13.2





#92
 1,2,3-Trichlorobenzene
 Concen: 0.240 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX035953.D
 Acq: 01 Jun 2023 12:34

Instrument :
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Tgt Ion:180 Resp: 644
 Ion Ratio Lower Upper
 180 100
 182 65.4 0.0 191.0
 145 25.5 0.0 66.8

