

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
 Data File : VX034774.D
 Acq On : 28 Mar 2023 02:48
 Operator : JC/MD
 Sample : VX0327WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBL02

Quant Time: Mar 28 05:49:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 28 05:37:20 2023
 Response via : Initial Calibration

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

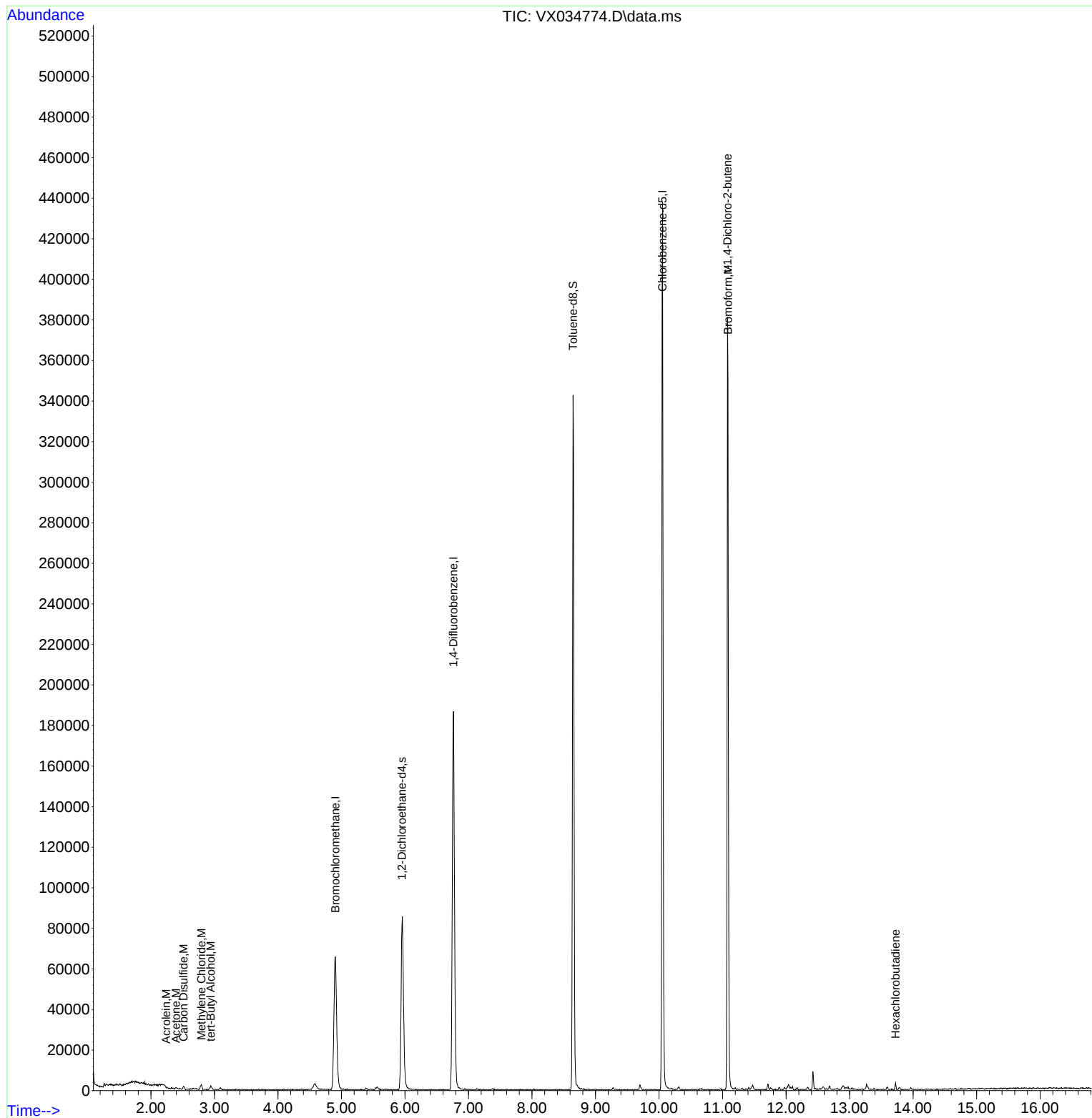
Internal Standards						
1) Bromochloromethane	4.903	128	26101	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	186419	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	190530	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	80118	38.121	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	127.067%#
60) 4-Bromofluorobenzene	11.195	95	86	0.025	ug/l	0.12
Spiked Amount	30.000	Range	63 - 112	Recovery	=	0.100%#
63) Toluene-d8	8.647	98	198085	32.349	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	107.833%
Target Compounds						
					Qvalue	
13) Acrolein	2.239	56	105	0.208	ug/l #	61
15) Acetone	2.392	58	94	0.236	ug/l #	1
16) Carbon Disulfide	2.514	76	1659	0.289	ug/l	95
18) Methylene Chloride	2.794	84	925	0.347	ug/l #	81
23) tert-Butyl Alcohol	2.940	59	947	1.938	ug/l #	1
56) Bromoform	11.085	173	825	0.367	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	53426	51.338	ug/l #	6
90) Hexachlorobutadiene	13.725	225	531	0.302	ug/l	86

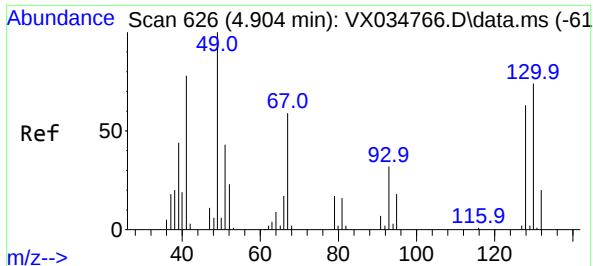
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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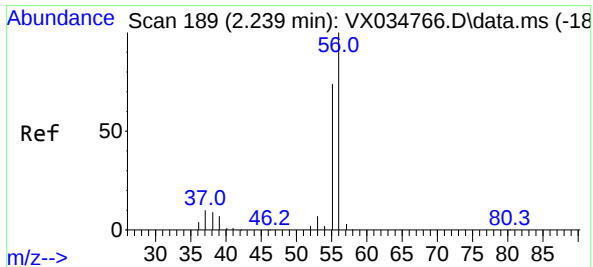
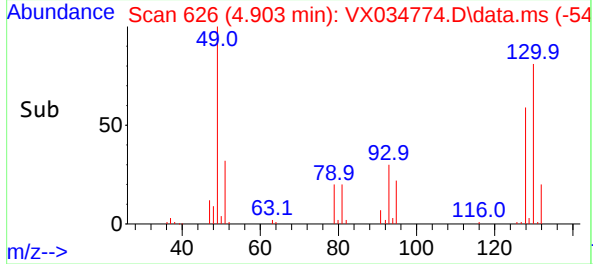
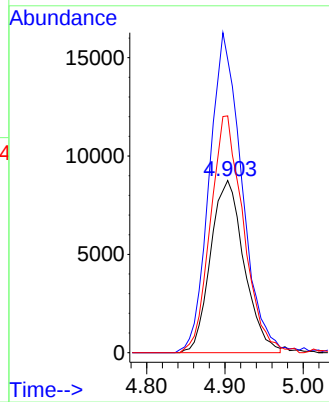
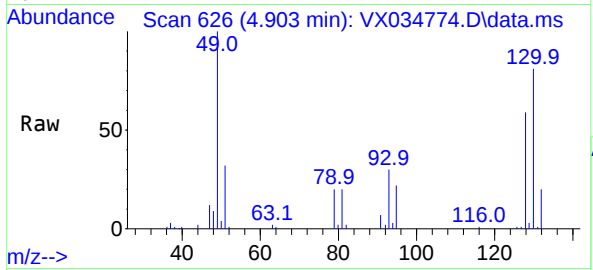




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX034774.D
Acq: 28 Mar 2023 02:48

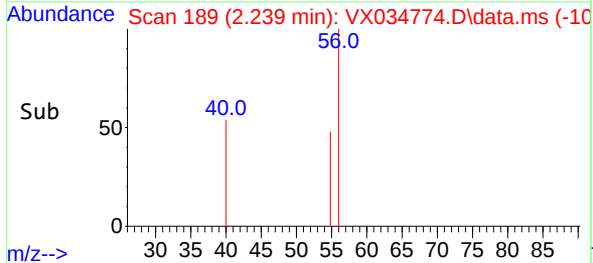
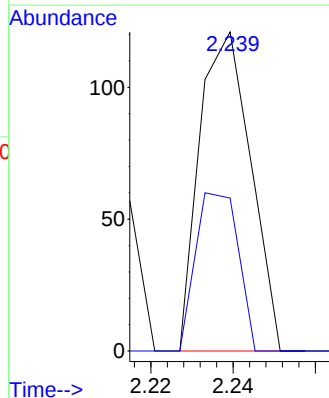
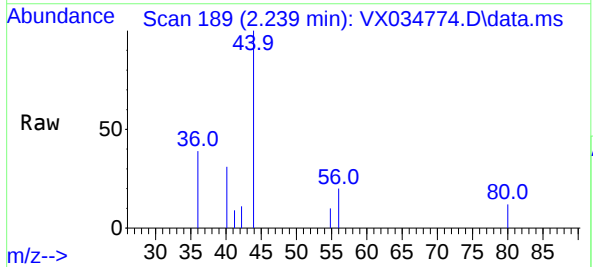
Instrument :
MSVOA_X
ClientSampleId :
VX0327WBL02

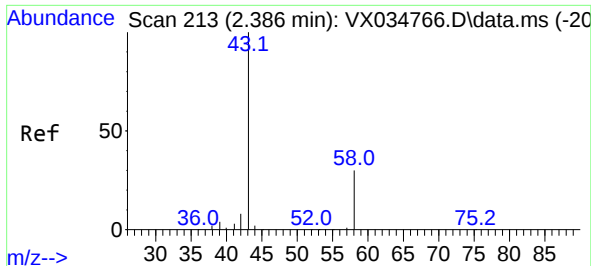
Tgt Ion:128 Resp: 26101
Ion Ratio Lower Upper
128 100
49 180.1 0.0 369.0
130 134.9 0.0 327.5



#13
Acrolein
Concen: 0.208 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX034774.D
Acq: 28 Mar 2023 02:48

Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 41.0 58.8 88.2#





#15

Acetone

Concen: 0.236 ug/l

RT: 2.392 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX034774.D

Acq: 28 Mar 2023 02:48

Instrument :

MSVOA_X

ClientSampleId :

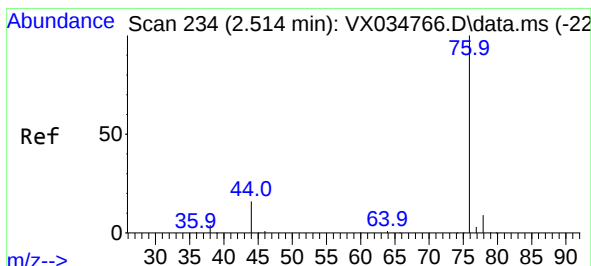
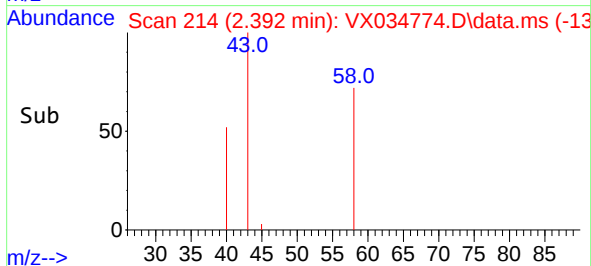
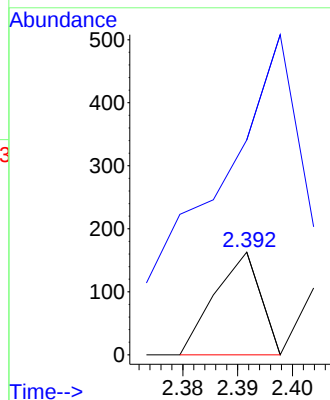
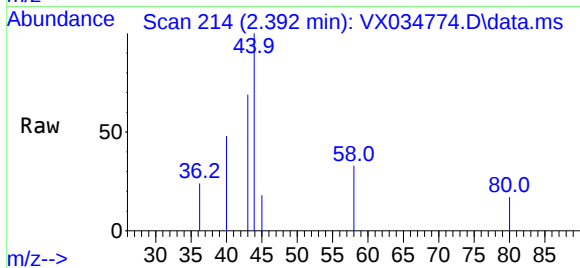
VX0327WBL02

Tgt Ion: 58 Resp: 94

Ion Ratio Lower Upper

58 100

43 72.4 258.6 388.0#



#16

Carbon Disulfide

Concen: 0.289 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX034774.D

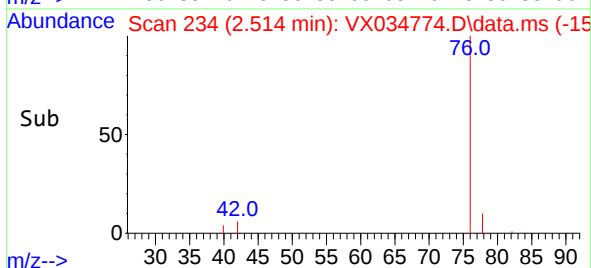
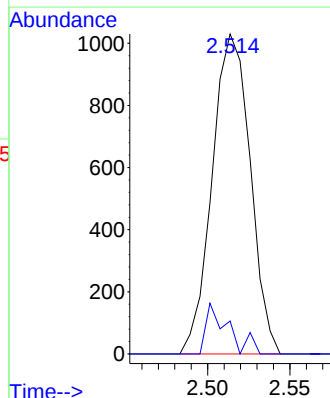
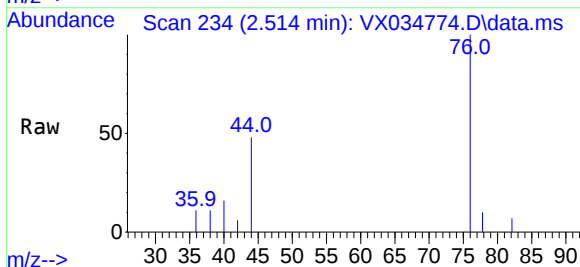
Acq: 28 Mar 2023 02:48

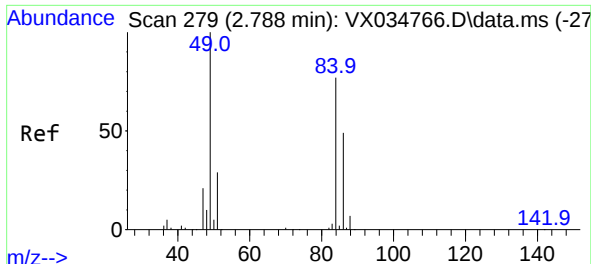
Tgt Ion: 76 Resp: 1659

Ion Ratio Lower Upper

76 100

78 10.3 6.9 10.3



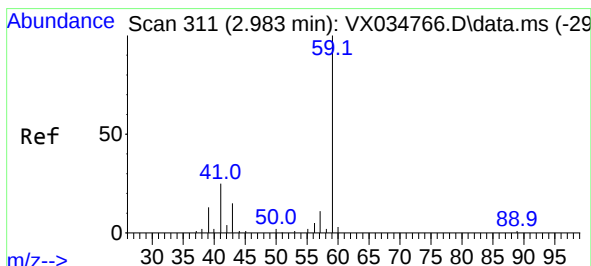
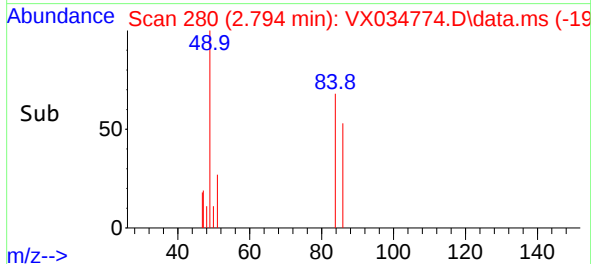
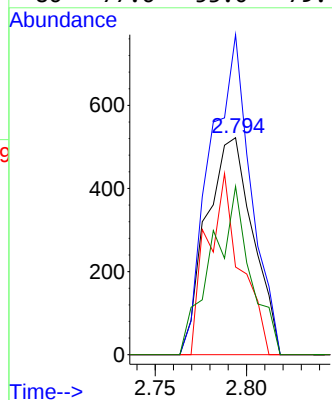
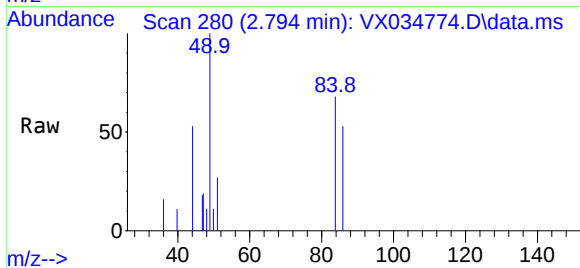


#18
Methylene Chloride
Concen: 0.347 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034774.D
Acq: 28 Mar 2023 02:48

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBL02

Tgt Ion: 84 Resp: 925

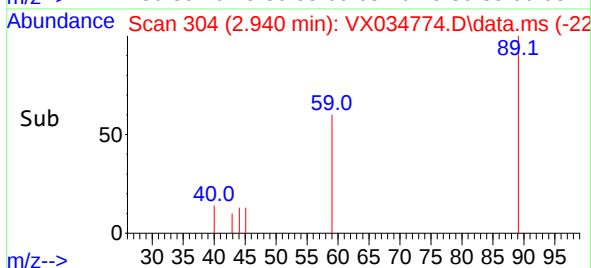
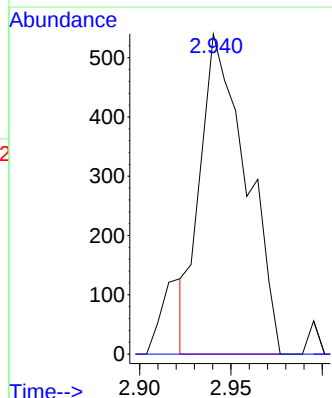
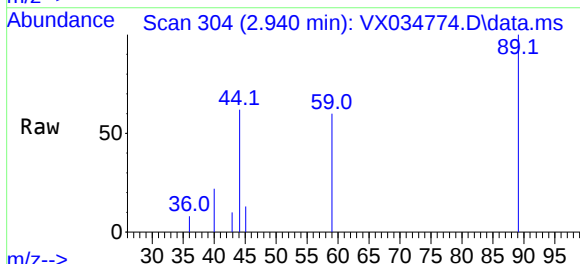
Ion	Ratio	Lower	Upper
84	100		
49	147.5	95.0	142.6#
51	40.4	30.3	45.5
86	77.6	53.0	79.4

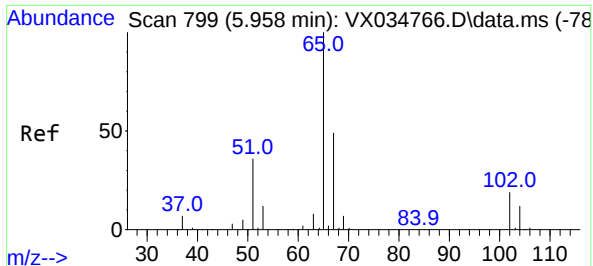


#23
tert-Butyl Alcohol
Concen: 1.938 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX034774.D
Acq: 28 Mar 2023 02:48

Tgt Ion: 59 Resp: 947

Ion	Ratio	Lower	Upper
59	100		
52	0.0	186.7	280.1#

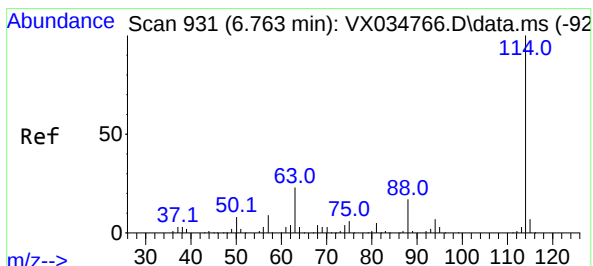
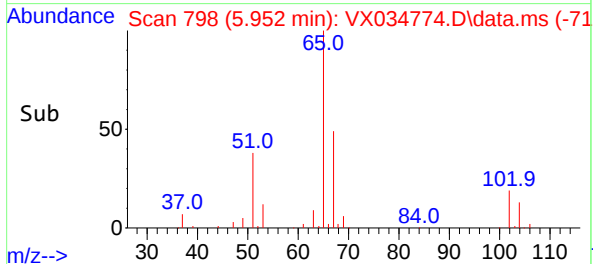
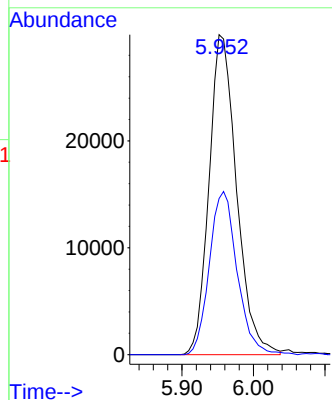
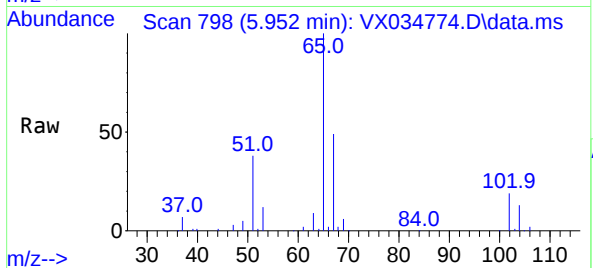




#27
 1,2-Dichloroethane-d4
 Concen: 38.121 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX034774.D
 Acq: 28 Mar 2023 02:48

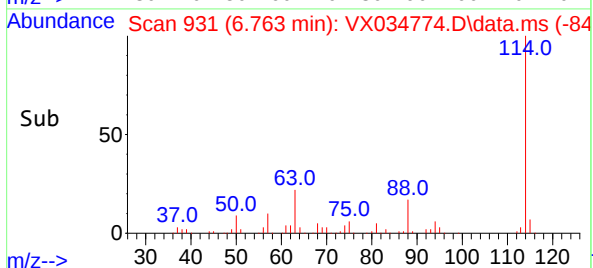
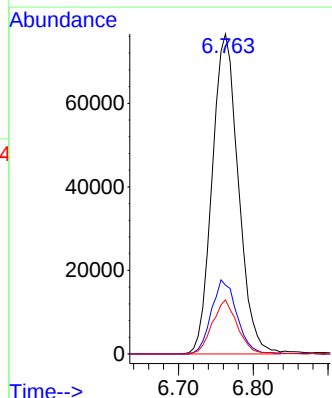
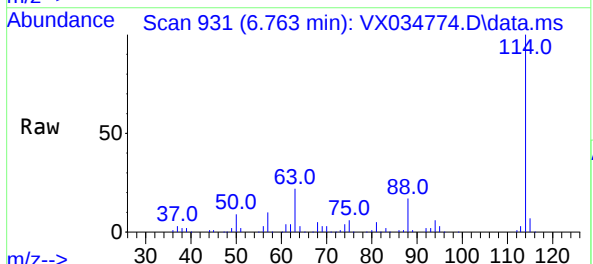
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBL02

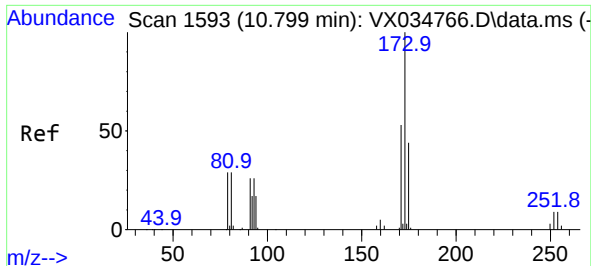
Tgt Ion: 65 Resp: 80118
 Ion Ratio Lower Upper
 65 100
 67 51.5 43.0 64.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX034774.D
 Acq: 28 Mar 2023 02:48

Tgt Ion: 114 Resp: 186419
 Ion Ratio Lower Upper
 114 100
 63 22.3 15.2 22.8
 88 16.2 12.4 18.6

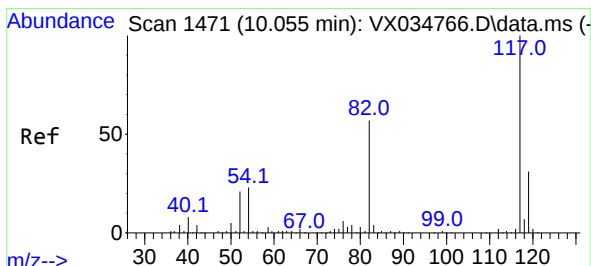
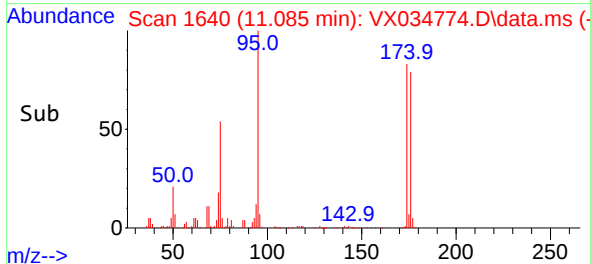
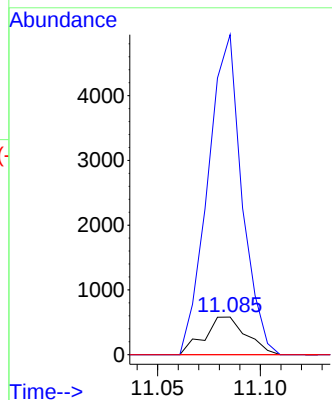
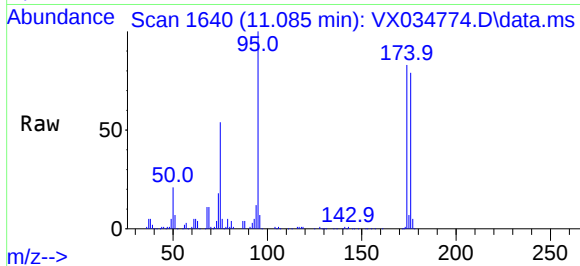




#56
Bromoform
Concen: 0.367 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.286 min
Lab File: VX034774.D
Acq: 28 Mar 2023 02:48

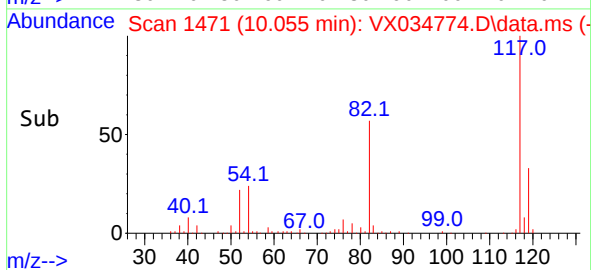
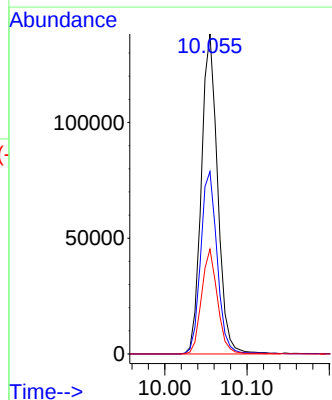
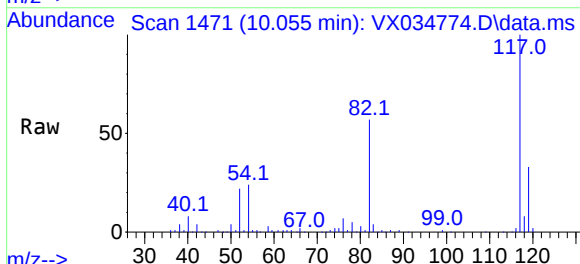
Instrument :
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ClientSampleId :
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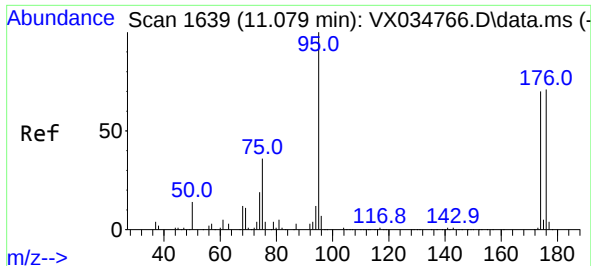
Tgt Ion:173 Resp: 825
Ion Ratio Lower Upper
173 100
175 691.3 39.8 59.6#
254 0.0 9.0 13.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034774.D
Acq: 28 Mar 2023 02:48

Tgt Ion:117 Resp: 190530
Ion Ratio Lower Upper
117 100
82 57.8 42.6 64.0
119 31.9 26.4 39.6

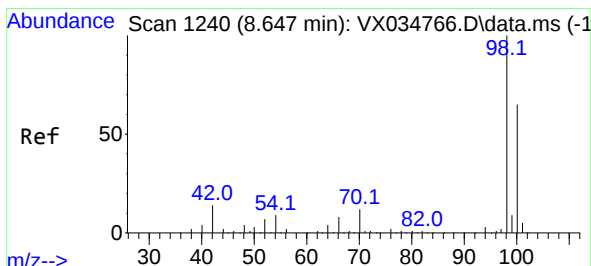
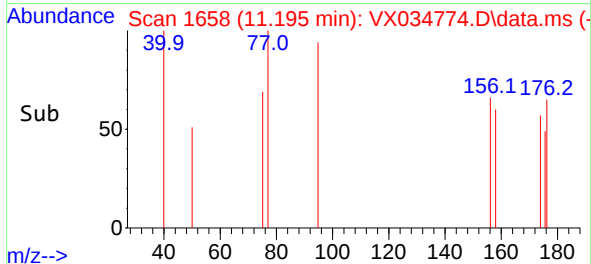
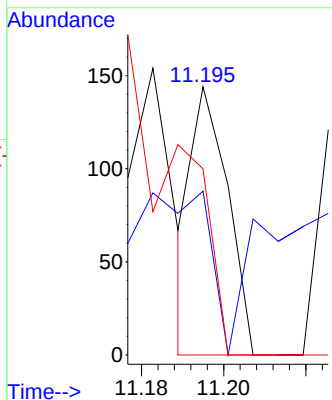
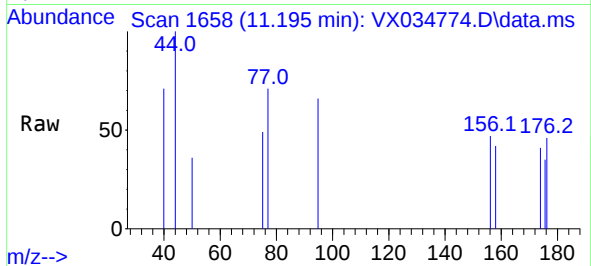




#60
4-Bromofluorobenzene
Concen: 0.025 ug/l
RT: 11.195 min Scan# 1639
Delta R.T. 0.116 min
Lab File: VX034774.D
Acq: 28 Mar 2023 02:48

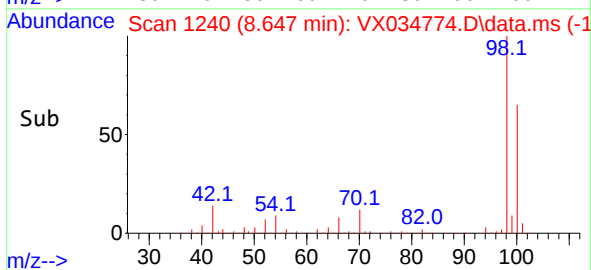
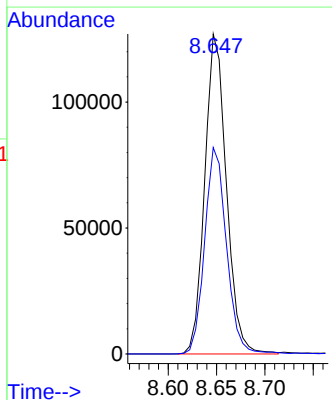
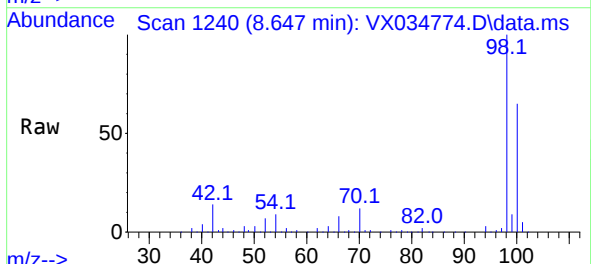
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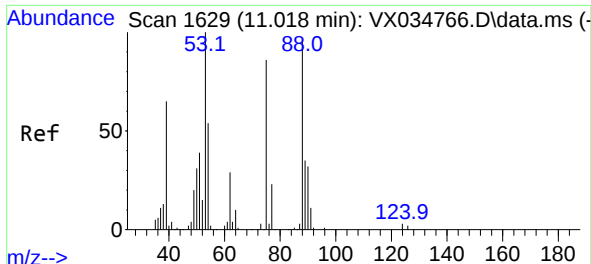
Tgt Ion: 95 Resp: 86
Ion Ratio Lower Upper
95 100
174 107.0 74.6 111.8
176 90.7 72.2 108.2



#63
Toluene-d8
Concen: 32.349 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034774.D
Acq: 28 Mar 2023 02:48

Tgt Ion: 98 Resp: 198085
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1

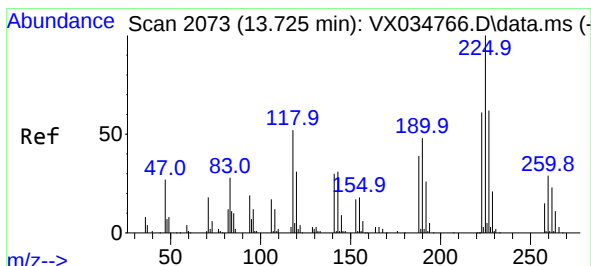
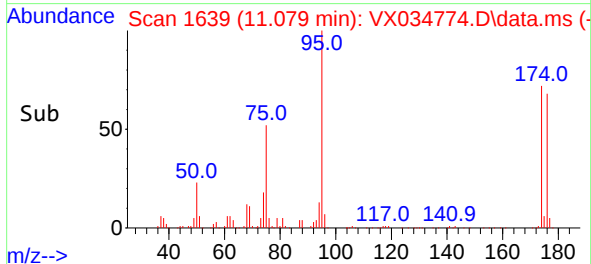
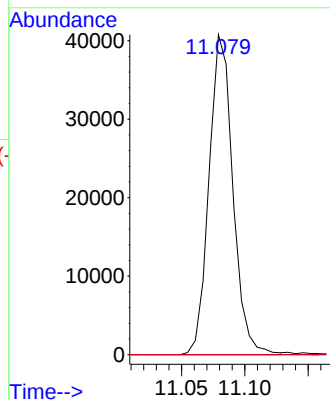
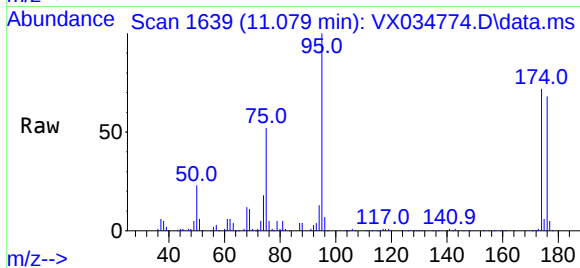




#77
t-1,4-Dichloro-2-butene
Concen: 51.338 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034774.D
Acq: 28 Mar 2023 02:48

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBL02

Tgt Ion: 75 Resp: 53426
Ion Ratio Lower Upper
75 100
53 0.0 55.5 166.3#
89 0.0 23.3 69.8#



#90
Hexachlorobutadiene
Concen: 0.302 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX034774.D
Acq: 28 Mar 2023 02:48

Tgt Ion: 225 Resp: 531
Ion Ratio Lower Upper
225 100
223 67.8 0.0 127.6
227 48.4 0.0 131.2

