

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040323\
 Data File : VX034923.D
 Acq On : 03 Apr 2023 11:42
 Operator : JC/MD
 Sample : 02159-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MS-13

Quant Time: Apr 03 21:34:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	292439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	506910	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	447746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	200674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	218680	48.895	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.800%
35) Dibromofluoromethane	5.385	113	159165	47.472	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.940%
50) Toluene-d8	8.647	98	602509	48.686	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.380%
62) 4-Bromofluorobenzene	11.079	95	229489	47.920	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.840%
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	1439	0.792	ug/l	91
31) Cyclohexane	5.550	56	7101	1.304	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	25454	5.124	ug/l #	51
38) Carbon Tetrachloride	5.550	117	32954	7.037	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	3270	0.636	ug/l #	1
60) Dibromochloromethane	9.275	129	7514	2.242	ug/l #	10
64) Tetrachloroethene	9.275	164	7417	2.315	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	123347	30.505	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	123347	91.423	ug/l #	8
94) Hexachlorobutadiene	13.719	225	808	0.489	ug/l	98

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

Quant Time: Apr 03 21:34:57 2023
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QLast Update : Sat Apr 01 01:50:18 2023
Response via : Initial Calibration

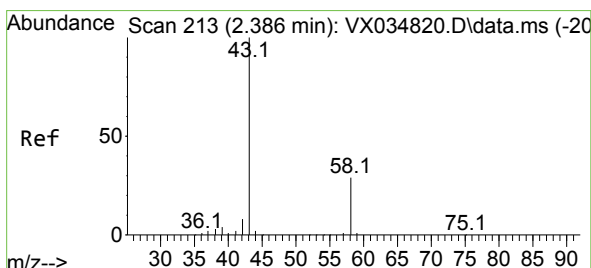
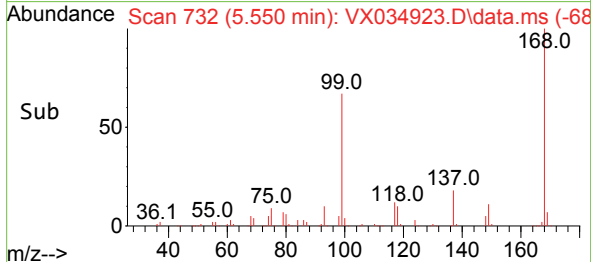
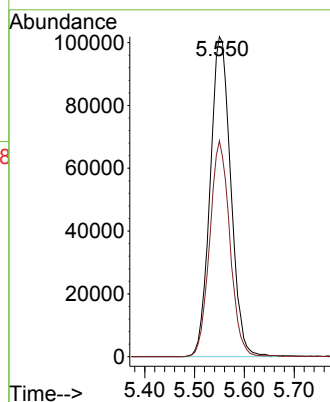
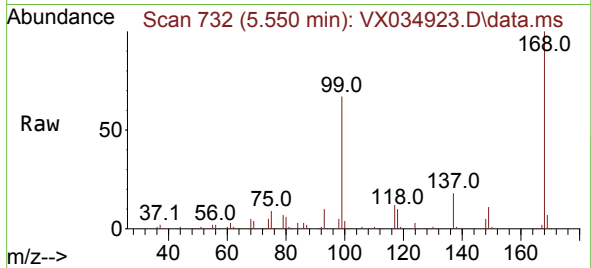




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

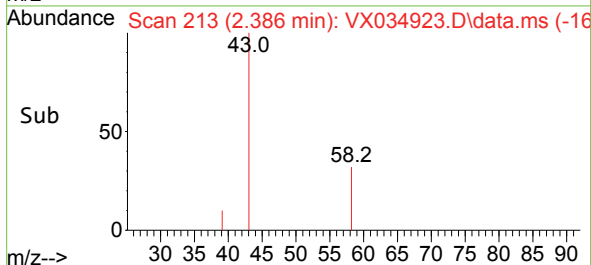
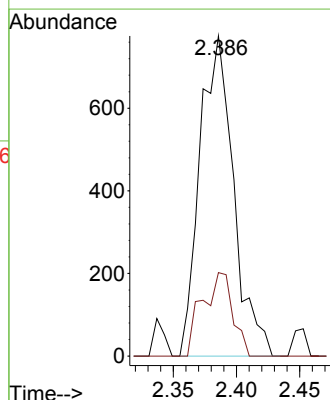
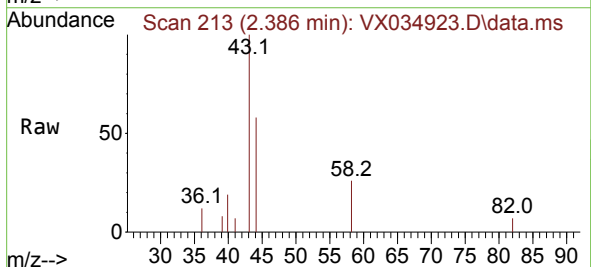
Instrument :
MSVOA_X
ClientSampleId :
MS-13

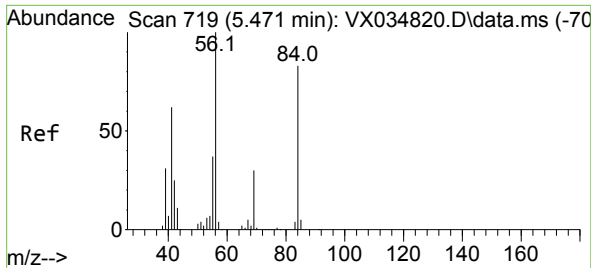
Tgt Ion:168 Resp: 292439
Ion Ratio Lower Upper
168 100
99 67.4 45.7 68.5



#16
Acetone
Concen: 0.792 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

Tgt Ion: 43 Resp: 1439
Ion Ratio Lower Upper
43 100
58 26.1 24.7 37.1

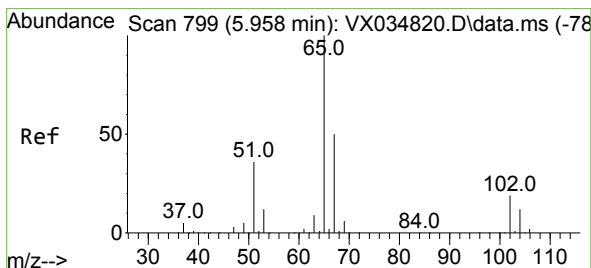
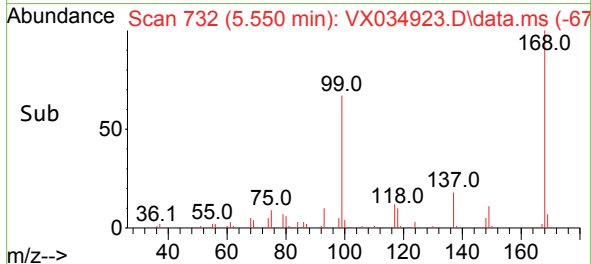
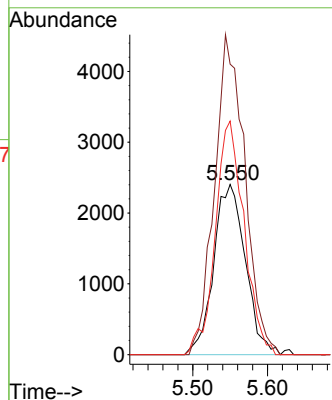
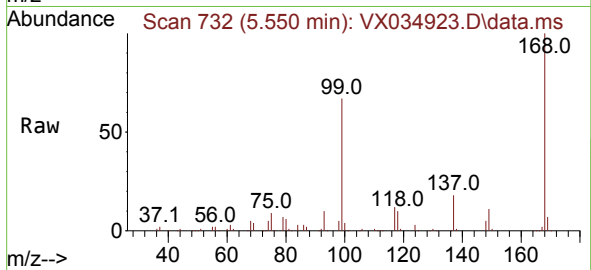




#31
Cyclohexane
Concen: 1.304 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

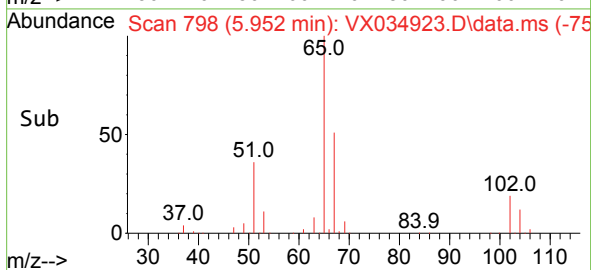
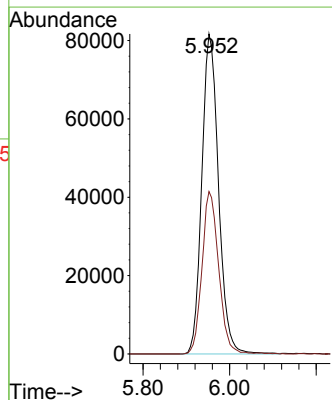
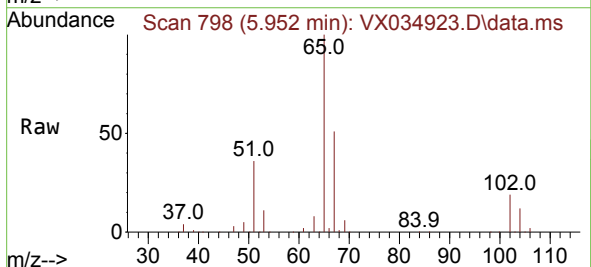
Instrument :
MSVOA_X
ClientSampleId :
MS-13

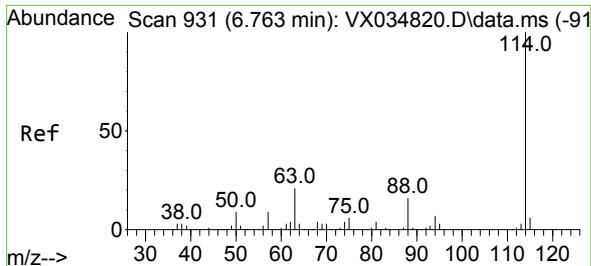
Tgt Ion: 56 Resp: 7101
Ion Ratio Lower Upper
56 100
69 170.8 23.7 35.5#
84 137.2 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.895 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

Tgt Ion: 65 Resp: 218680
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.0

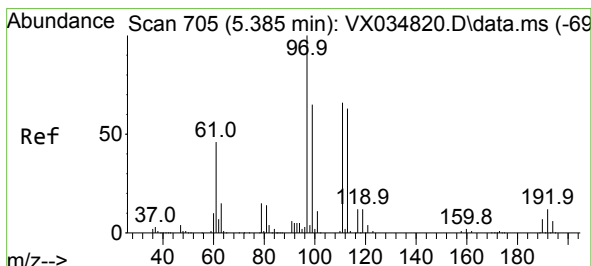
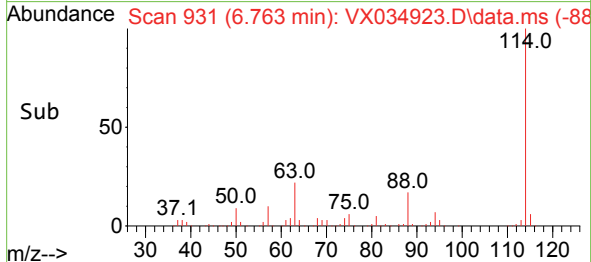
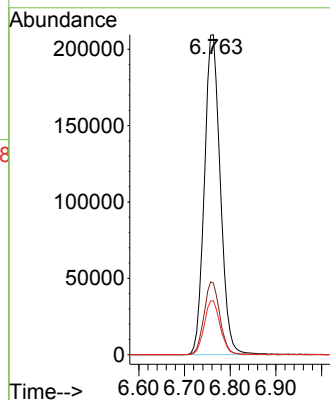
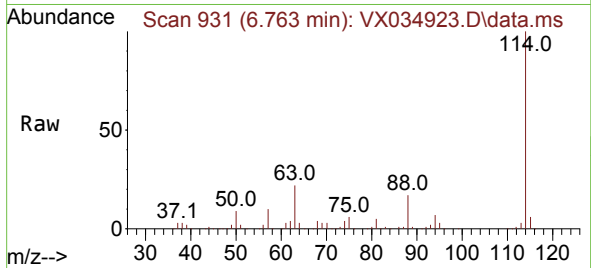




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

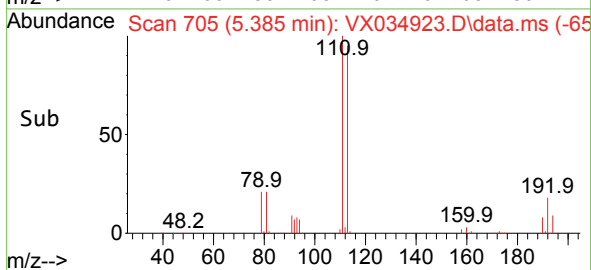
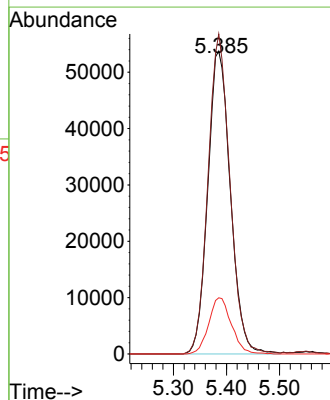
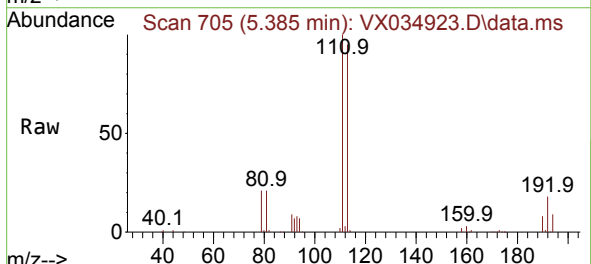
Instrument :
MSVOA_X
ClientSampleId :
MS-13

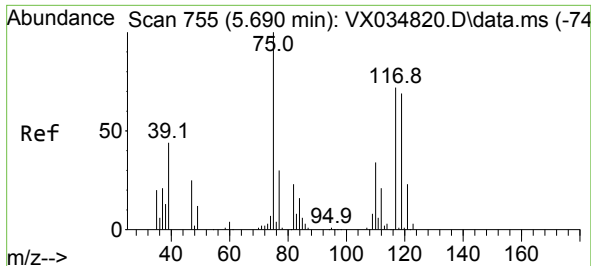
Tgt Ion:114 Resp: 506910
Ion Ratio Lower Upper
114 100
63 22.4 0.0 42.2
88 16.9 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.472 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

Tgt Ion:113 Resp: 159165
Ion Ratio Lower Upper
113 100
111 102.5 83.7 125.5
192 18.6 15.4 23.2

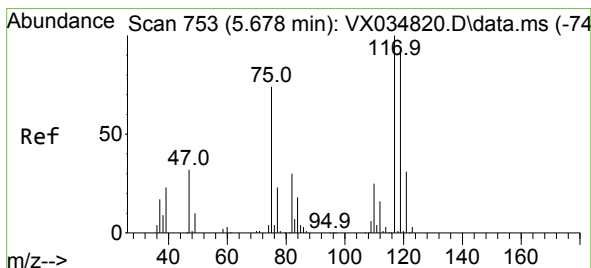
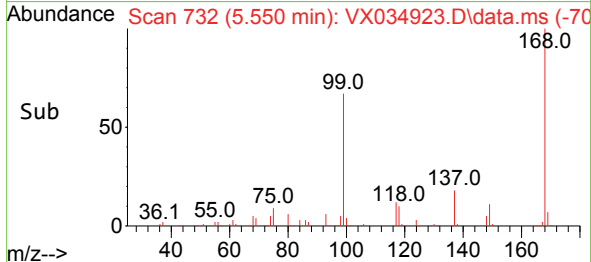
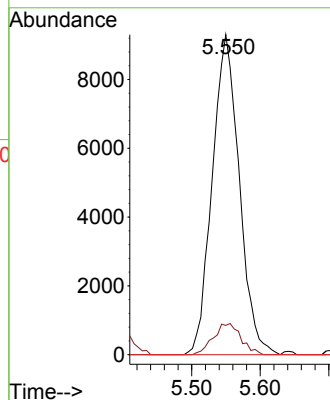
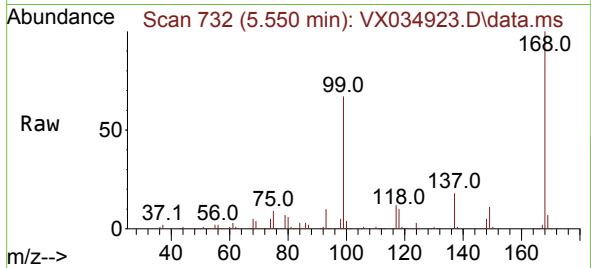




#36
1,1-Dichloropropene
Concen: 5.124 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

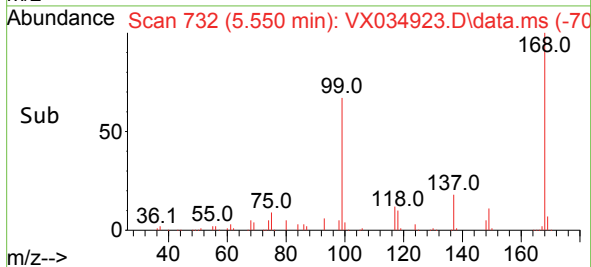
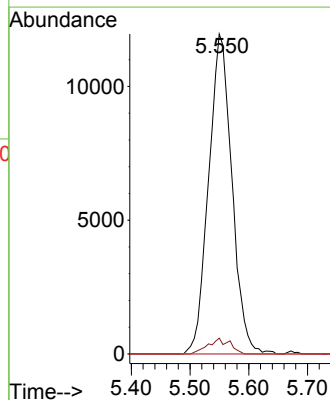
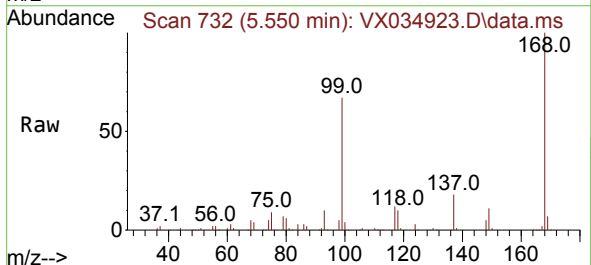
Instrument :
MSVOA_X
ClientSampleId :
MS-13

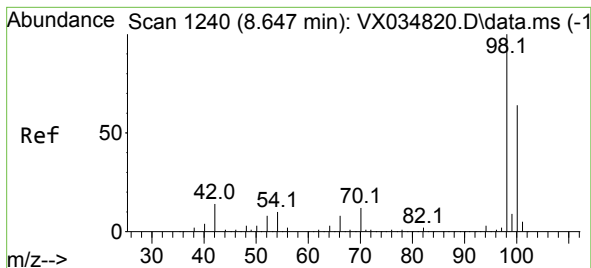
Tgt Ion: 75 Resp: 25454
Ion Ratio Lower Upper
75 100
110 10.0 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 7.037 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

Tgt Ion: 117 Resp: 32954
Ion Ratio Lower Upper
117 100
119 4.9 76.6 114.8#
121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 48.686 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034923.D

Acq: 03 Apr 2023 11:42

Instrument :

MSVOA_X

ClientSampleId :

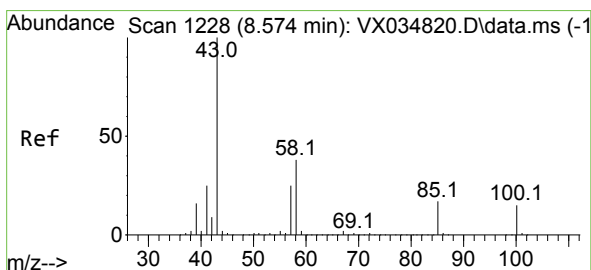
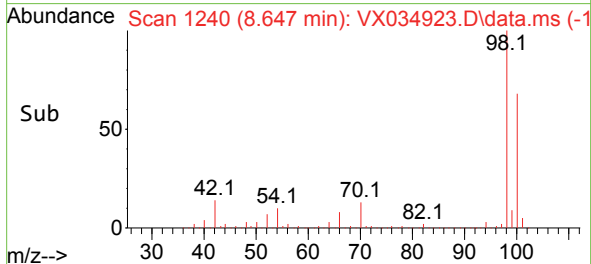
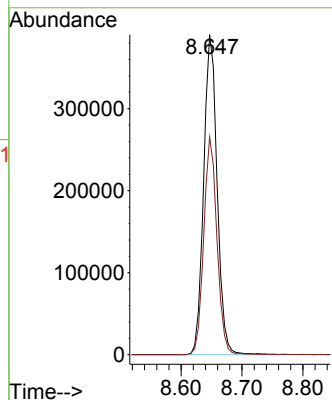
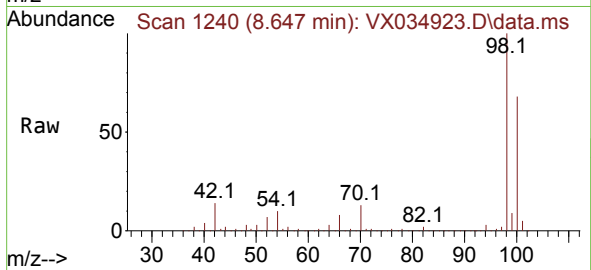
MS-13

Tgt Ion: 98 Resp: 602509

Ion Ratio Lower Upper

98 100

100 66.9 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.636 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX034923.D

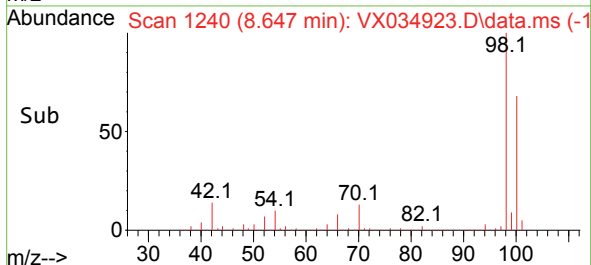
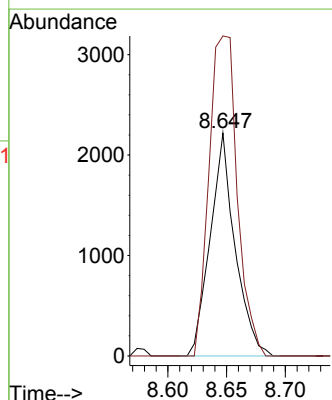
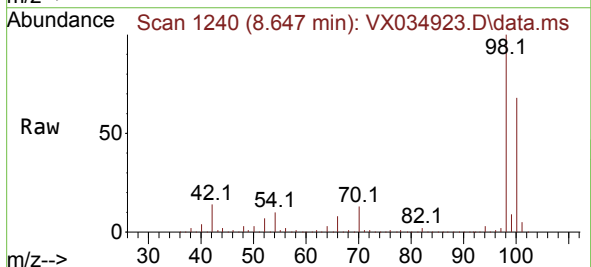
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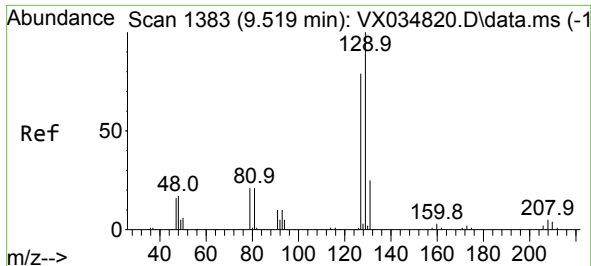
Tgt Ion: 43 Resp: 3270

Ion Ratio Lower Upper

43 100

58 163.7 30.6 46.0#

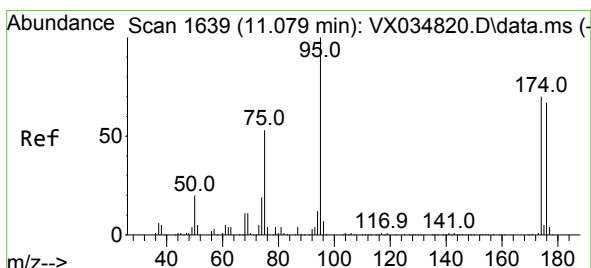
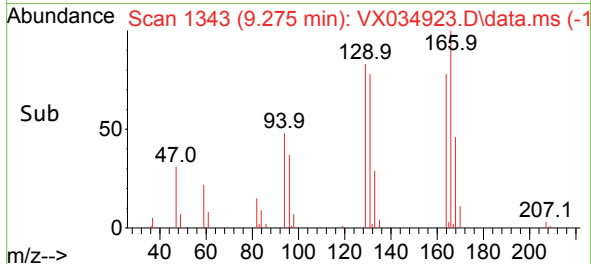
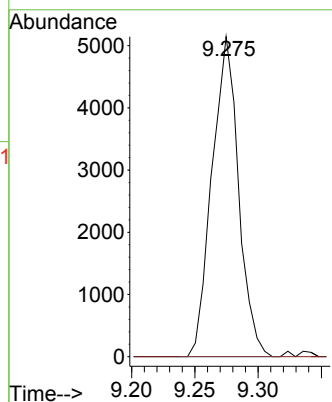
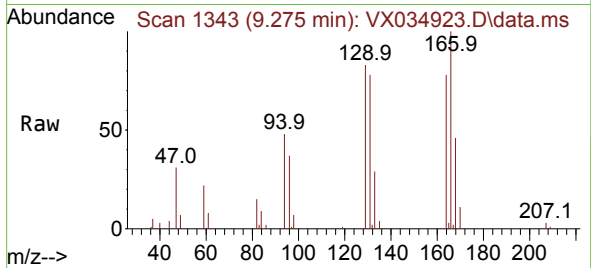




#60
Dibromochloromethane
Concen: 2.242 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

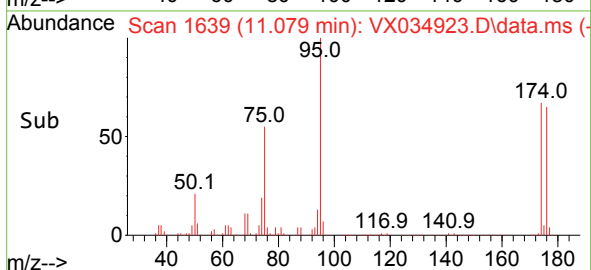
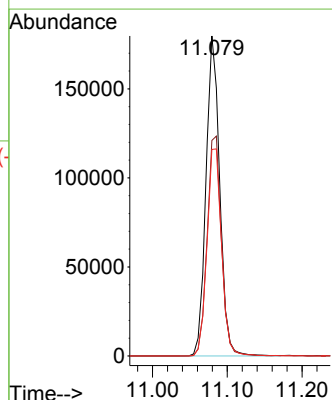
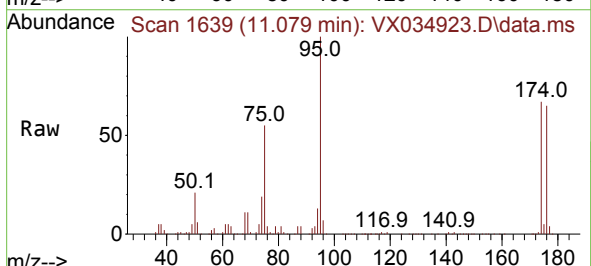
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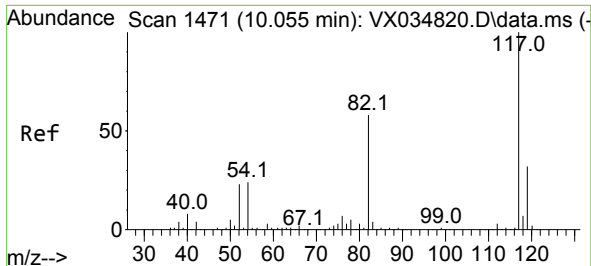
Tgt Ion:129 Resp: 7514
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 47.920 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

Tgt Ion: 95 Resp: 229489
Ion Ratio Lower Upper
95 100
174 71.3 0.0 147.4
176 68.7 0.0 140.6

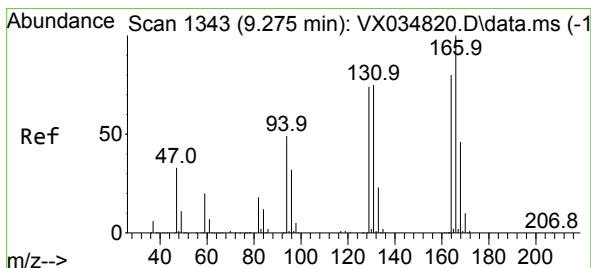
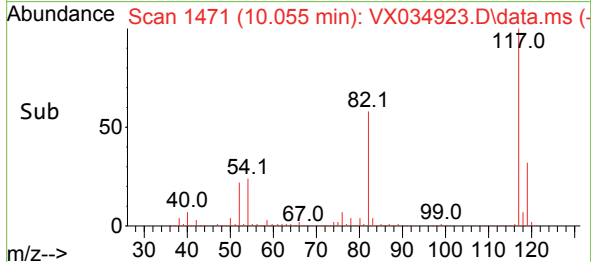
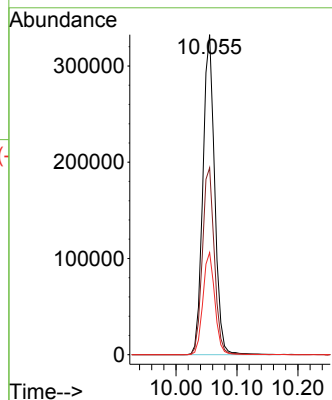
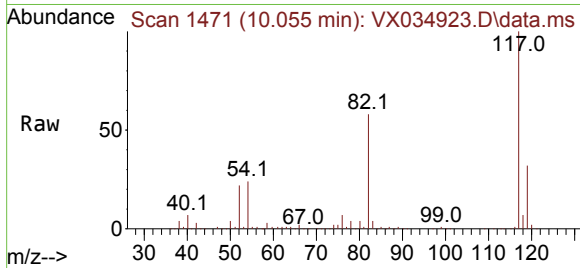




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

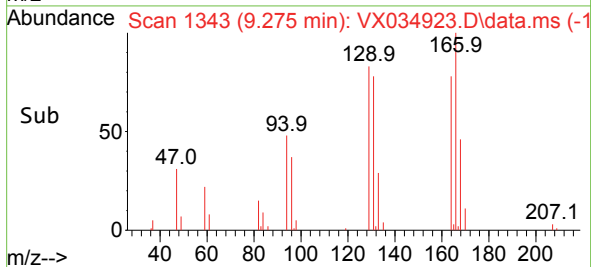
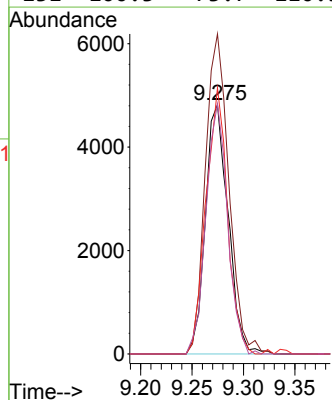
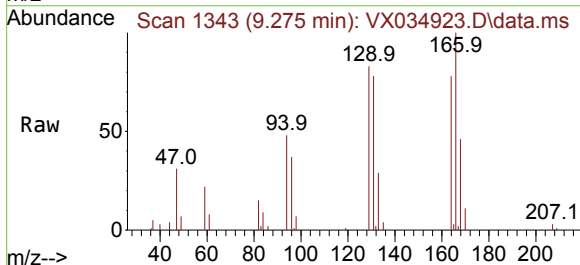
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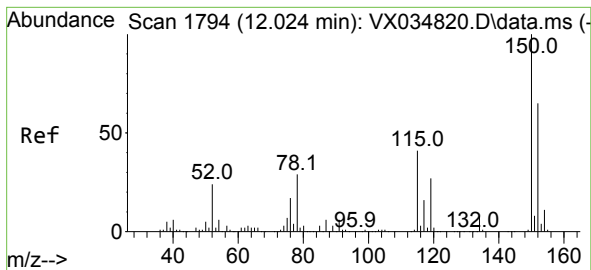
Tgt Ion:117 Resp: 447746
Ion Ratio Lower Upper
117 100
82 58.4 45.0 67.4
119 31.9 26.0 39.0



#64
Tetrachloroethene
Concen: 2.315 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

Tgt Ion:164 Resp: 7417
Ion Ratio Lower Upper
164 100
166 128.3 102.7 154.1
129 106.7 75.6 113.4
131 100.3 73.7 110.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034923.D

Acq: 03 Apr 2023 11:42

Instrument :

MSVOA_X

ClientSampleId :

MS-13

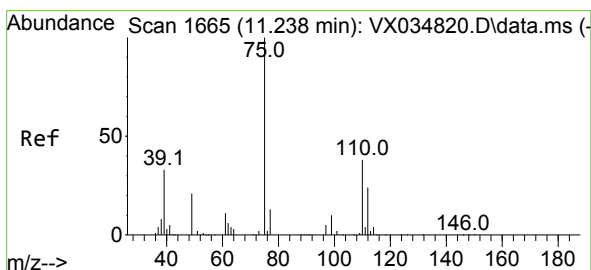
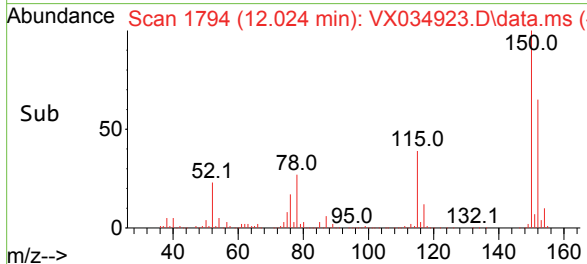
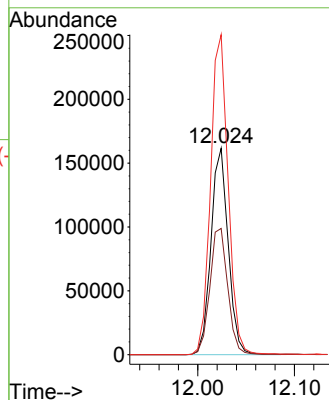
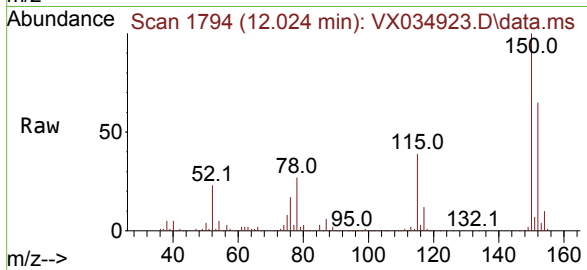
Tgt Ion:152 Resp: 200674

Ion Ratio Lower Upper

152 100

115 63.6 45.0 135.0

150 158.2 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 30.505 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034923.D

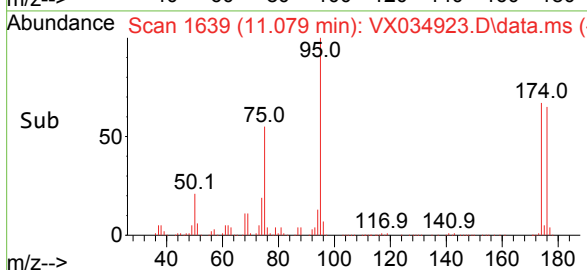
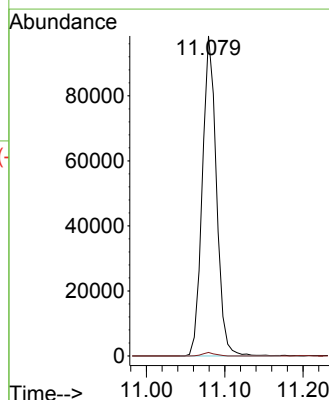
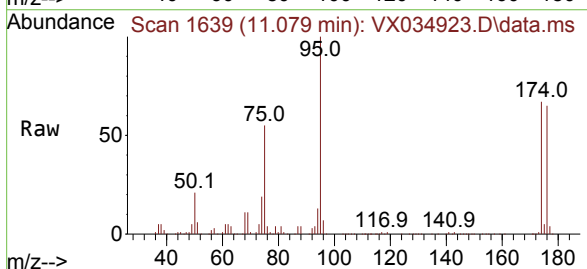
Acq: 03 Apr 2023 11:42

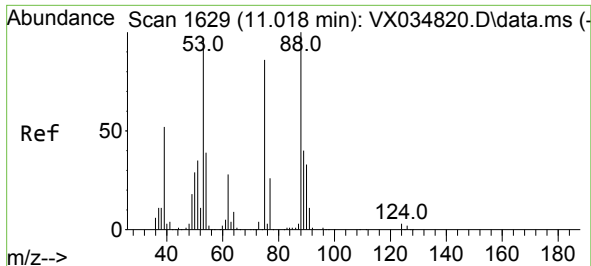
Tgt Ion: 75 Resp: 123347

Ion Ratio Lower Upper

75 100

77 1.0 21.6 64.8#

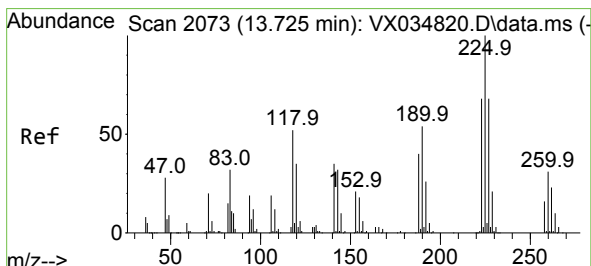
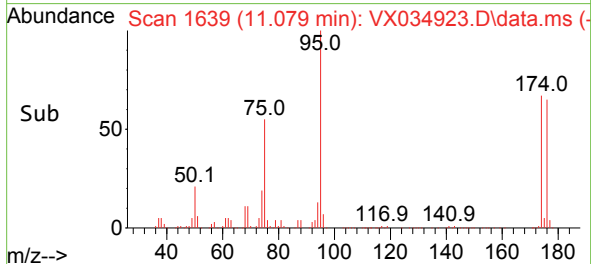
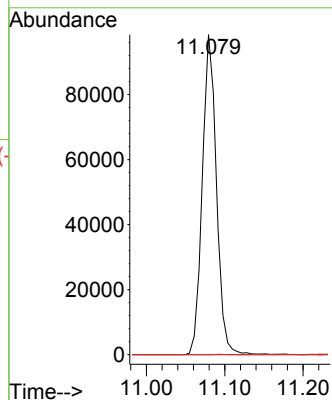
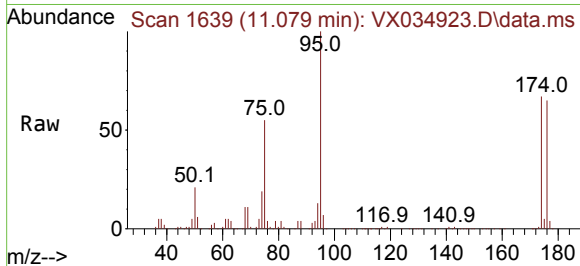




#81
trans-1,4-Dichloro-2-butene
Concen: 91.423 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

Instrument :
MSVOA_X
ClientSampleId :
MS-13

Tgt Ion: 75 Resp: 123347
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#



#94
Hexachlorobutadiene
Concen: 0.489 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX034923.D
Acq: 03 Apr 2023 11:42

Tgt Ion: 225 Resp: 808
Ion Ratio Lower Upper
225 100
223 61.3 32.1 96.5
227 63.7 31.8 95.4

