

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033023\
 Data File : VX034856.D
 Acq On : 30 Mar 2023 16:37
 Operator : JC/MD
 Sample : 02096-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Mar 31 01:34:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 30 11:02:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	241495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	412181	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	371403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	161411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	171652	46.476	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.960%		
35) Dibromofluoromethane	5.385	113	127632	46.816	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.640%		
50) Toluene-d8	8.647	98	494680	49.160	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.320%		
62) 4-Bromofluorobenzene	11.079	95	177450	45.570	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.140%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	101369	157.112	ug/l	98
13) Acrolein	2.239	56	497	0.745	ug/l #	63
14) Allyl chloride	2.544	41	999	0.207	ug/l #	66
15) Acrylonitrile	2.959	53	1263	0.876	ug/l #	24
16) Acetone	2.380	43	33346	22.311	ug/l	100
20) Methylene Chloride	2.794	84	1968	0.658	ug/l #	79
25) 2-Butanone	4.550	43	934	0.431	ug/l #	51
26) 2,2-Dichloropropane	4.562	77	1141	0.266	ug/l #	53
31) Cyclohexane	5.544	56	6193	1.377	ug/l #	29
36) 1,1-Dichloropropene	5.550	75	20751	5.155	ug/l #	50
38) Carbon Tetrachloride	5.550	117	24334	6.364	ug/l #	16
51) 4-Methyl-2-Pentanone	8.574	43	1232	0.296	ug/l #	72
76) 1,2,3-Trichloropropane	11.079	75	95993	29.043	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	95993	77.771	ug/l #	8

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

Quant Time: Mar 31 01:34:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 30 11:02:25 2023
Response via : Initial Calibration

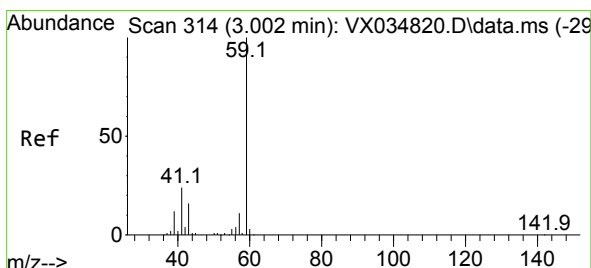
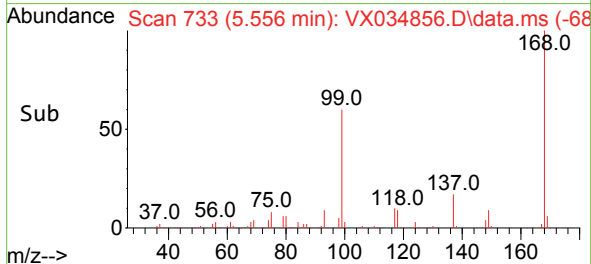
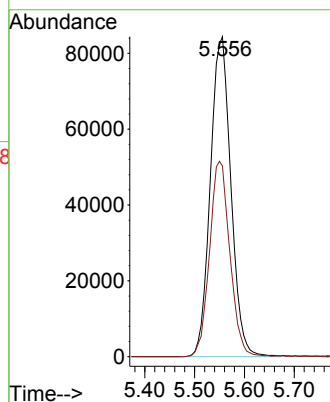
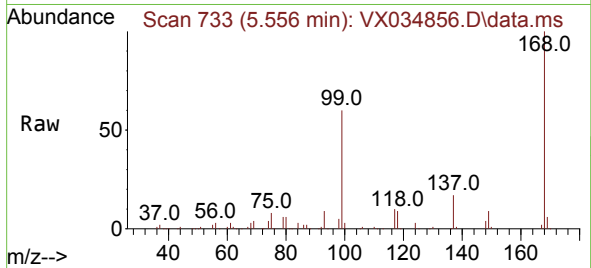




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

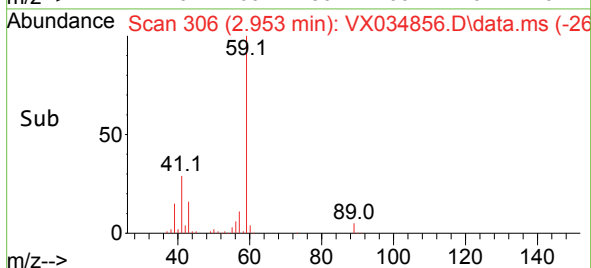
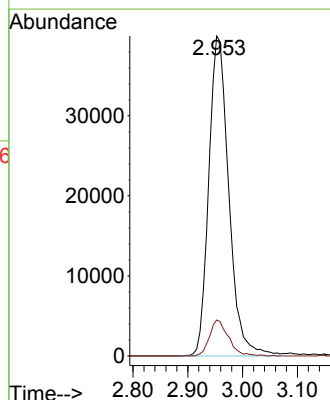
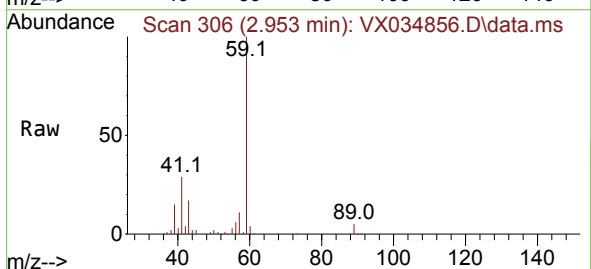
Instrument :
MSVOA_X
ClientSampleId :
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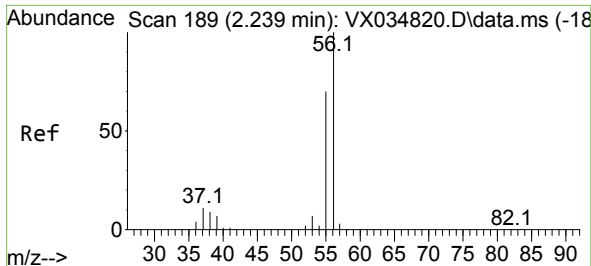
Tgt Ion:168 Resp: 241495
Ion Ratio Lower Upper
168 100
99 59.6 45.7 68.5



#11
Tert butyl alcohol
Concen: 157.112 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.049 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

Tgt Ion: 59 Resp: 101369
Ion Ratio Lower Upper
59 100
57 10.7 8.1 12.1





#13

Acrolein

Concen: 0.745 ug/l

RT: 2.239 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX034856.D

Acq: 30 Mar 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :

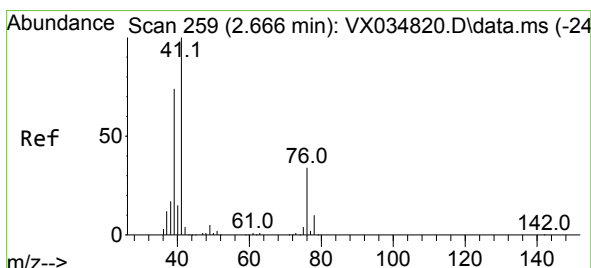
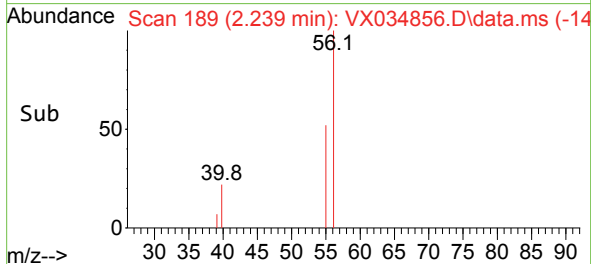
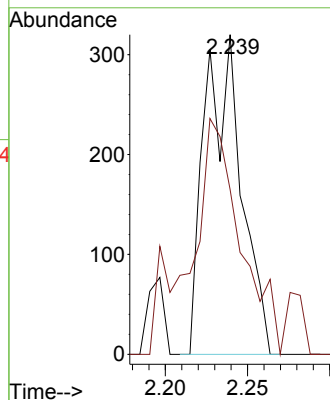
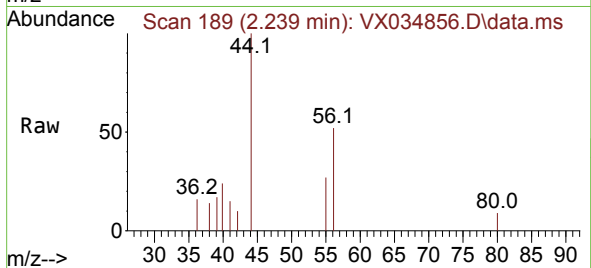
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Tgt Ion: 56 Resp: 497

Ion Ratio Lower Upper

56 100

55 101.6 56.6 85.0#



#14

Allyl chloride

Concen: 0.207 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.122 min

Lab File: VX034856.D

Acq: 30 Mar 2023 16:37

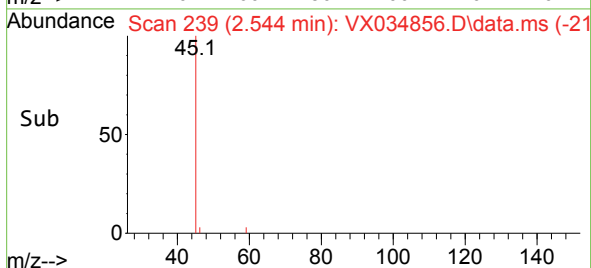
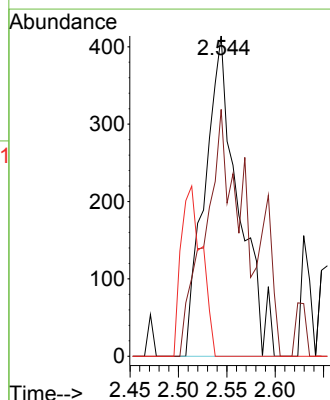
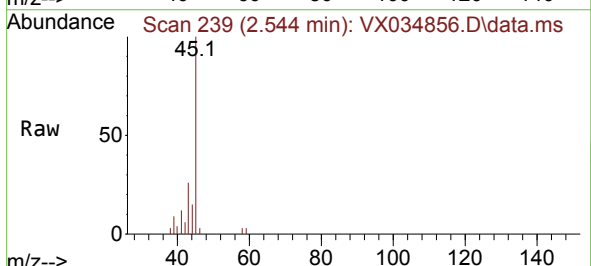
Tgt Ion: 41 Resp: 999

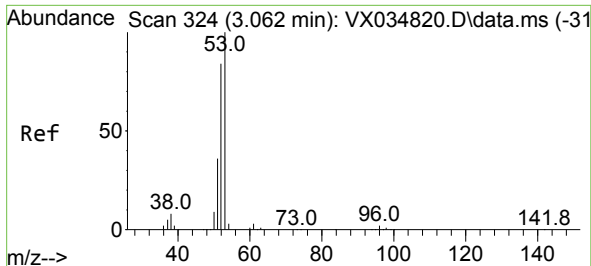
Ion Ratio Lower Upper

41 100

39 82.5 52.4 78.6#

76 0.0 26.0 39.0#

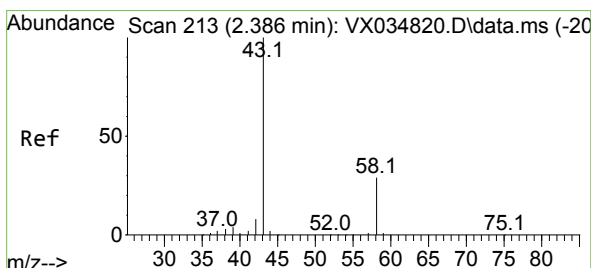
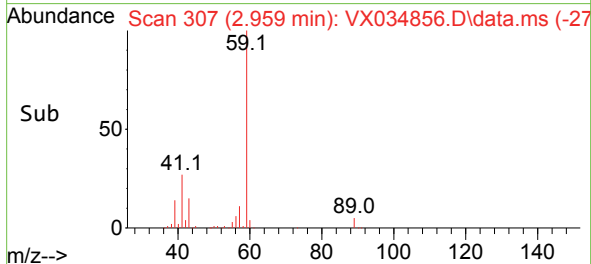
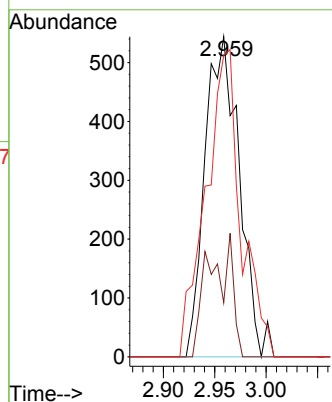
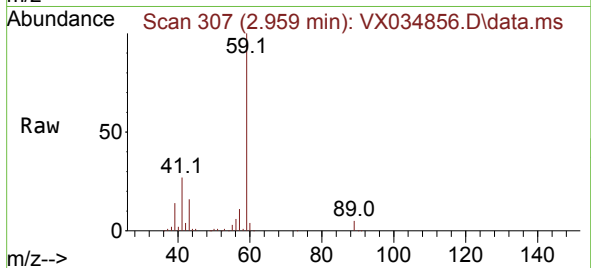




#15
Acrylonitrile
Concen: 0.876 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.104 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

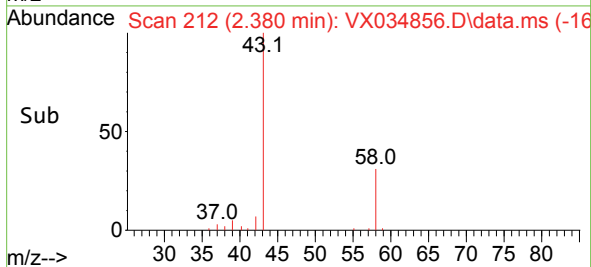
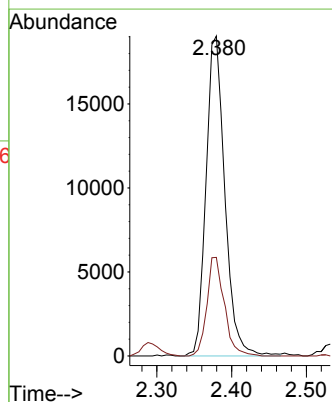
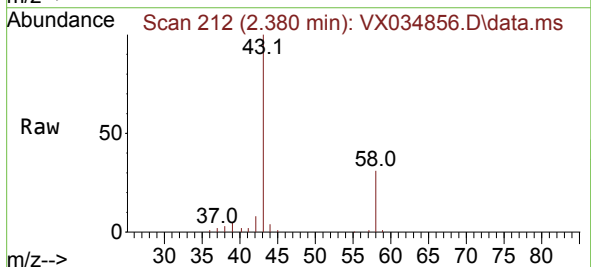
Instrument :
MSVOA_X
ClientSampleId :
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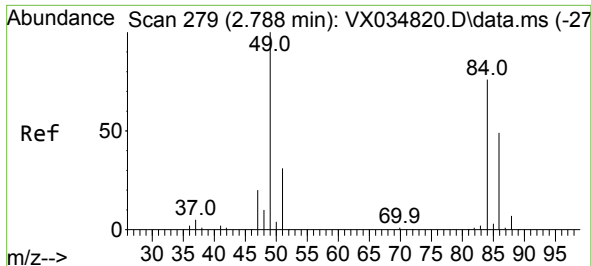
Tgt Ion: 53 Resp: 1263
Ion Ratio Lower Upper
53 100
52 26.4 66.2 99.2#
51 97.9 28.3 42.5#



#16
Acetone
Concen: 22.311 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

Tgt Ion: 43 Resp: 33346
Ion Ratio Lower Upper
43 100
58 30.8 24.7 37.1

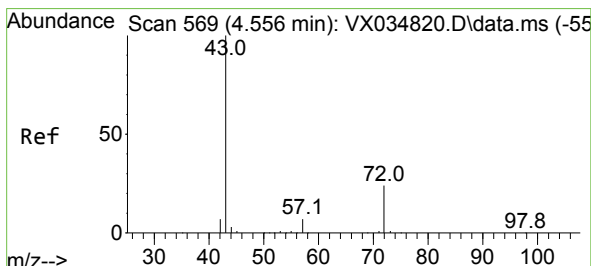
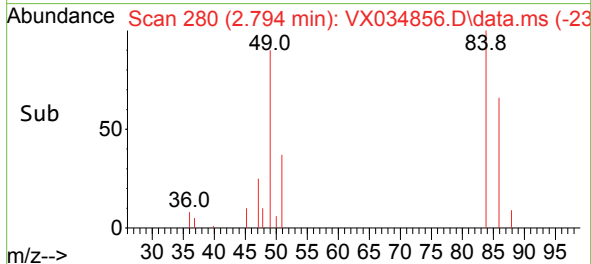
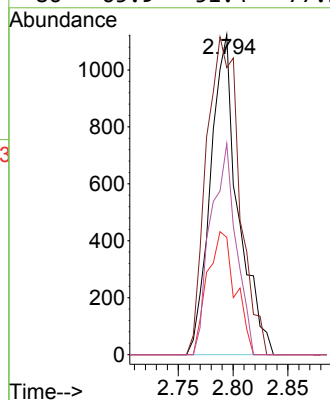
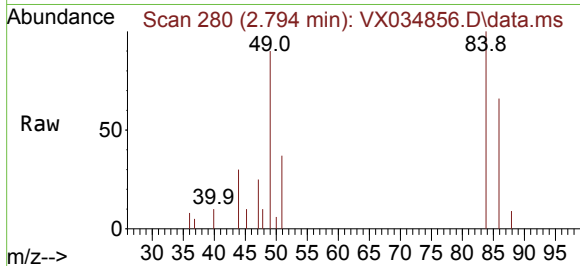




#20
Methylene Chloride
Concen: 0.658 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

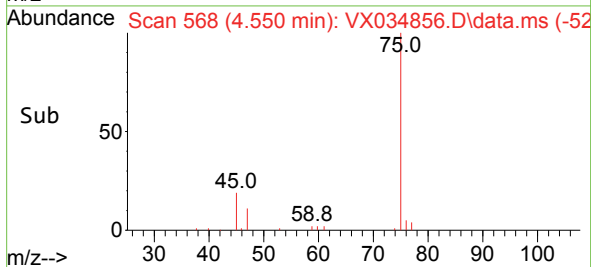
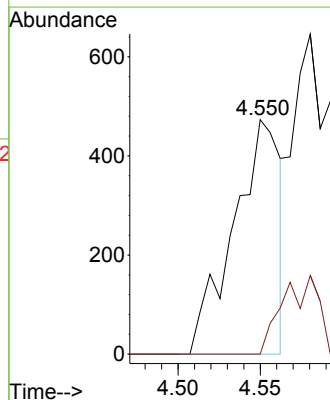
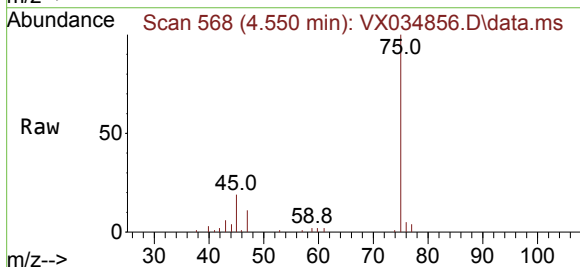
Instrument :
MSVOA_X
ClientSampleId :
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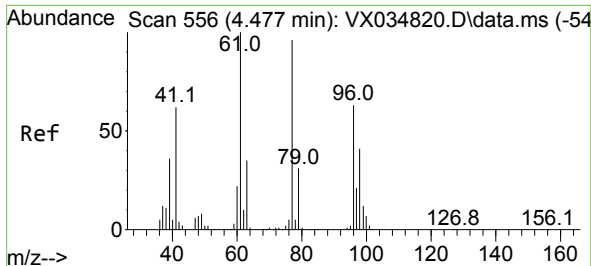
Tgt Ion:	84	Resp:	1968
Ion	Ratio	Lower	Upper
84	100		
49	89.7	103.8	155.8#
51	36.7	31.8	47.8
86	65.9	51.4	77.2



#25
2-Butanone
Concen: 0.431 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.006 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

Tgt Ion:	43	Resp:	934
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.3	28.9#





#26

2,2-Dichloropropane

Concen: 0.266 ug/l

RT: 4.562 min Scan# 511

Delta R.T. 0.085 min

Lab File: VX034856.D

Acq: 30 Mar 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :

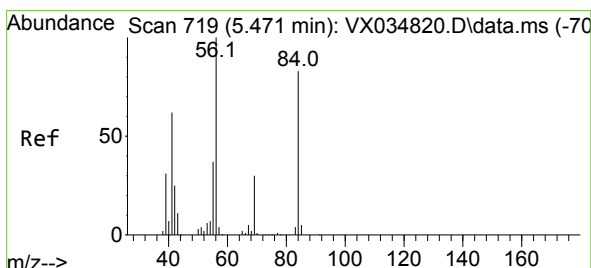
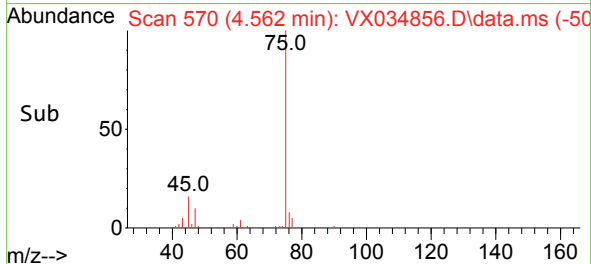
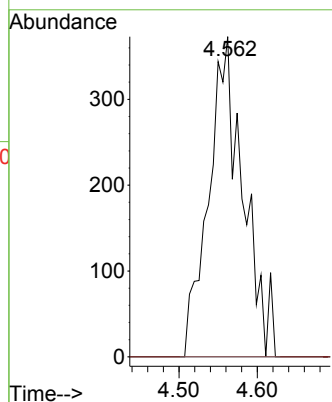
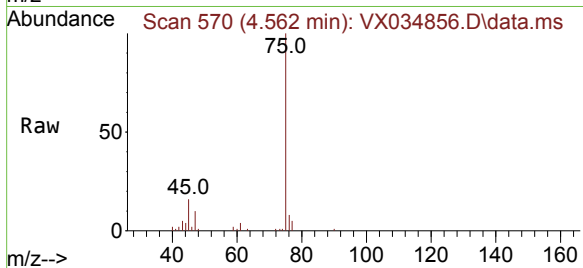
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Tgt Ion: 77 Resp: 1141

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#31

Cyclohexane

Concen: 1.377 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX034856.D

Acq: 30 Mar 2023 16:37

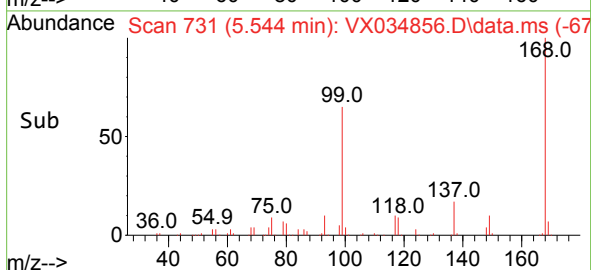
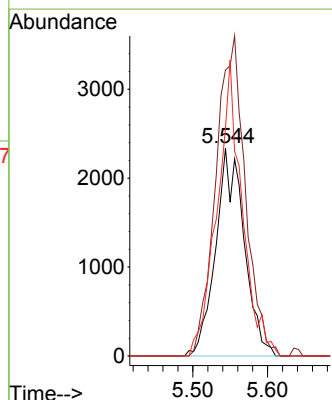
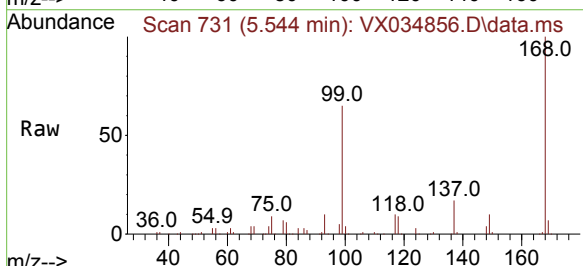
Tgt Ion: 56 Resp: 6193

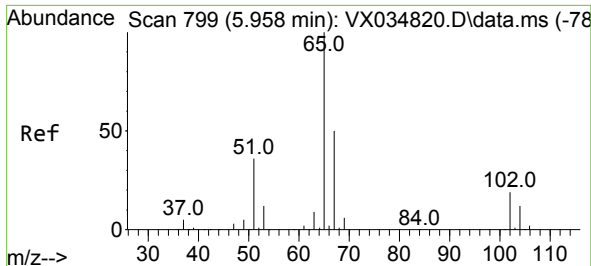
Ion Ratio Lower Upper

56 100

69 137.6 23.7 35.5#

84 109.6 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 46.476 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX034856.D

Acq: 30 Mar 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :

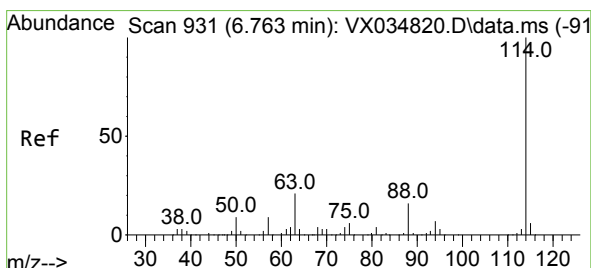
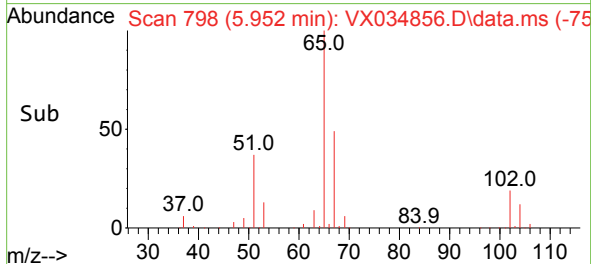
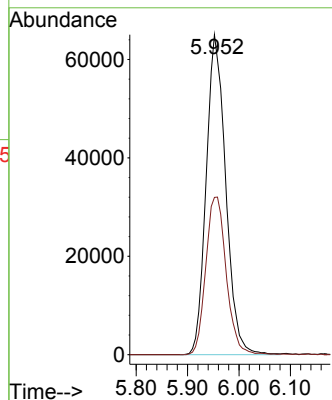
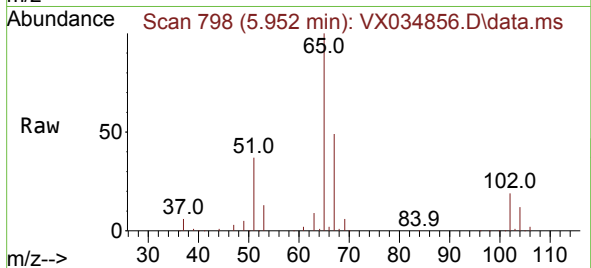
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Tgt Ion: 65 Resp: 171652

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX034856.D

Acq: 30 Mar 2023 16:37

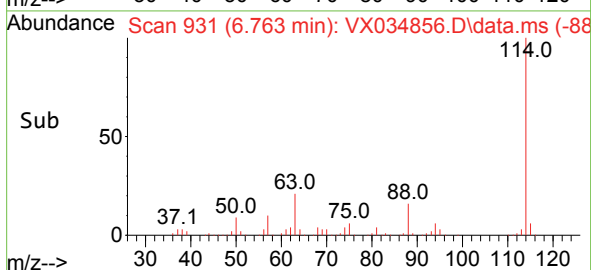
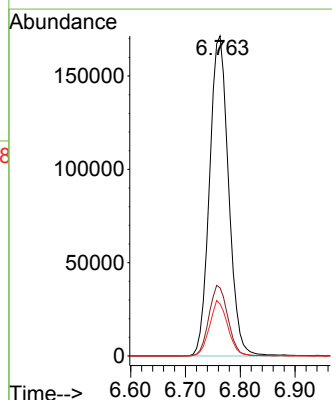
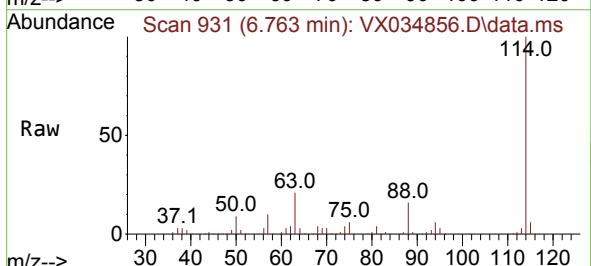
Tgt Ion: 114 Resp: 412181

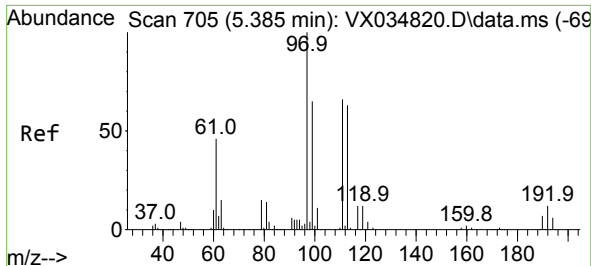
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.2

88 16.2 0.0 33.2

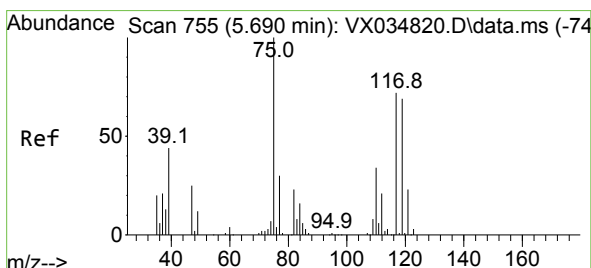
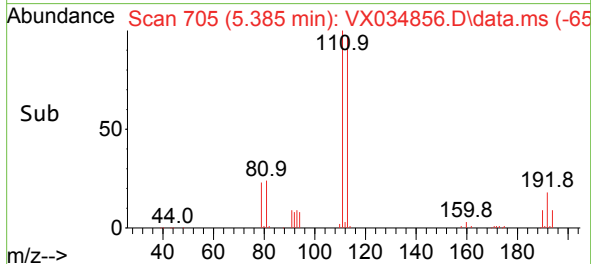
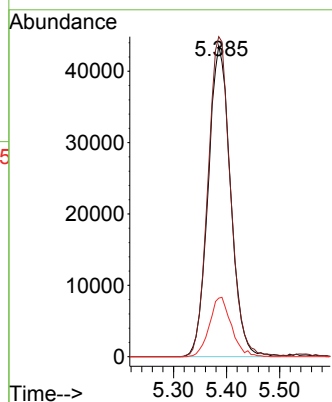
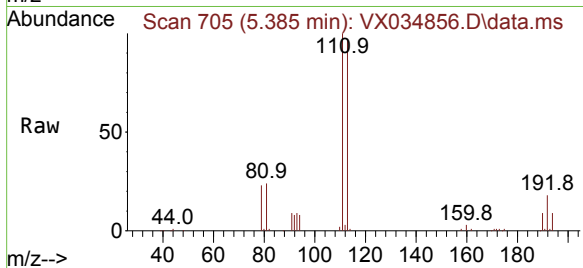




#35
Dibromofluoromethane
Concen: 46.816 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

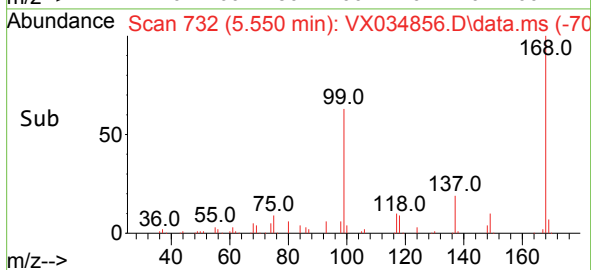
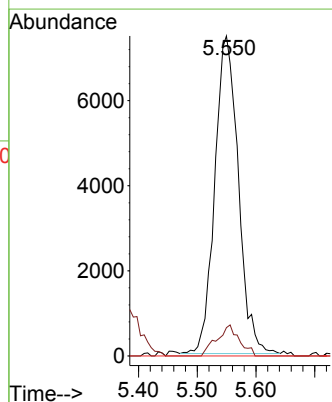
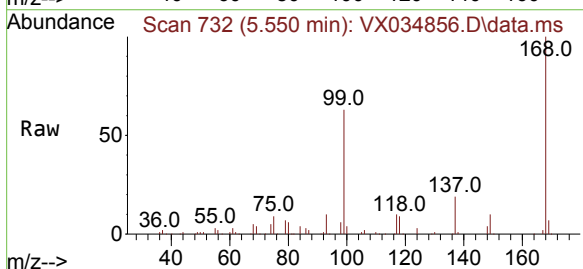
Instrument :
MSVOA_X
ClientSampleId :
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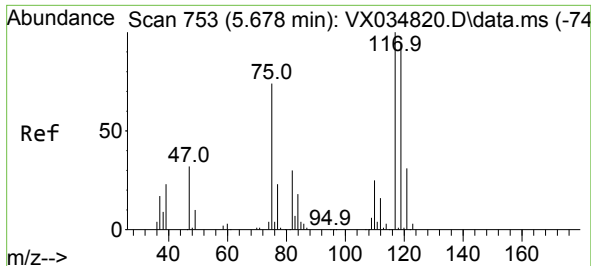
Tgt Ion:113 Resp: 127632
Ion Ratio Lower Upper
113 100
111 103.3 83.7 125.5
192 18.8 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.155 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

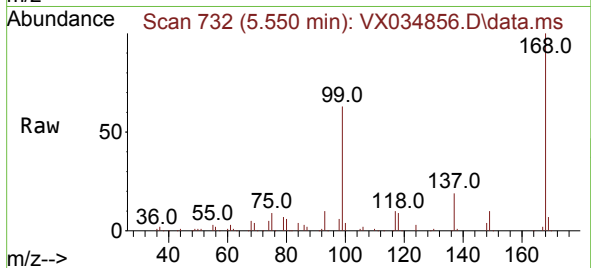
Tgt Ion: 75 Resp: 20751
Ion Ratio Lower Upper
75 100
110 9.3 17.5 52.5#
77 0.0 24.3 36.5#



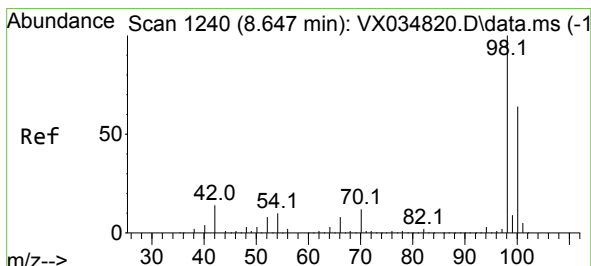
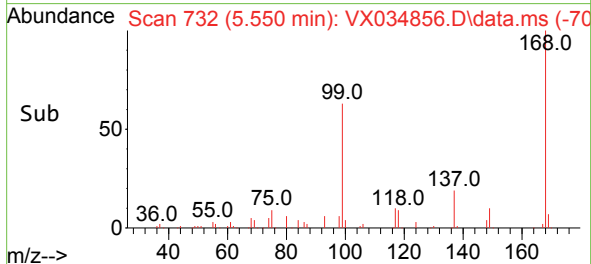
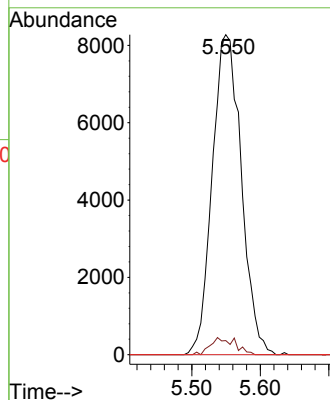


#38
Carbon Tetrachloride
Concen: 6.364 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

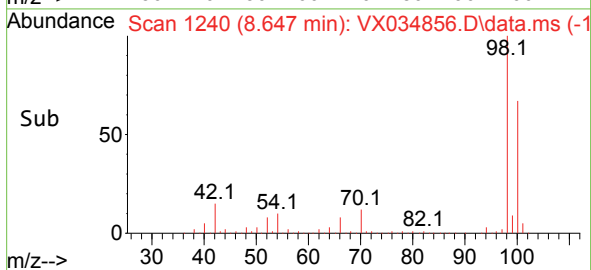
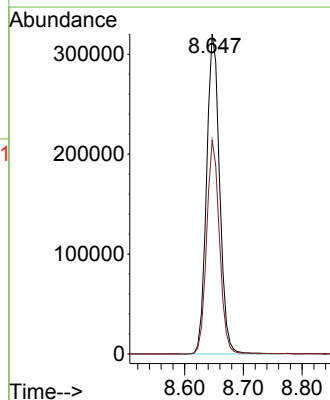
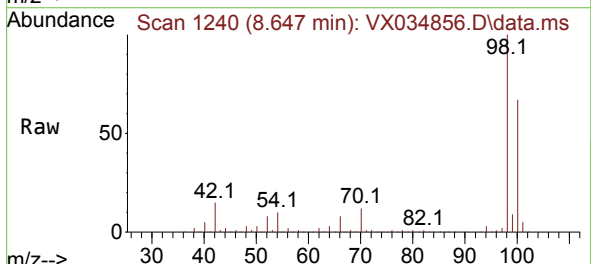


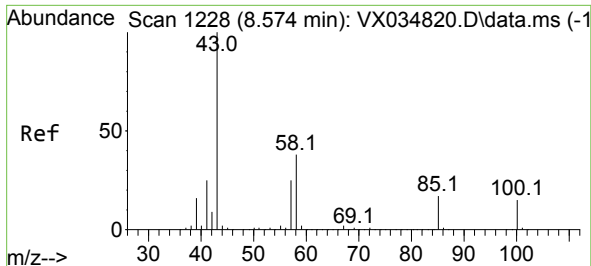
Tgt Ion:117 Resp: 24334
Ion Ratio Lower Upper
117 100
119 4.4 76.6 114.8#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 49.160 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

Tgt Ion: 98 Resp: 494680
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.296 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX034856.D

Acq: 30 Mar 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :

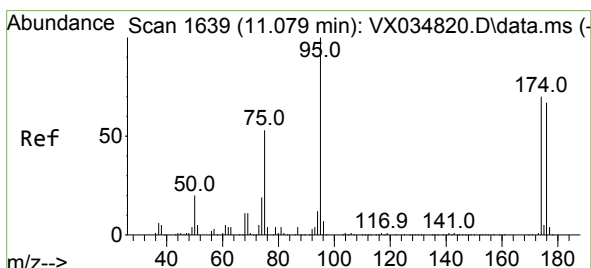
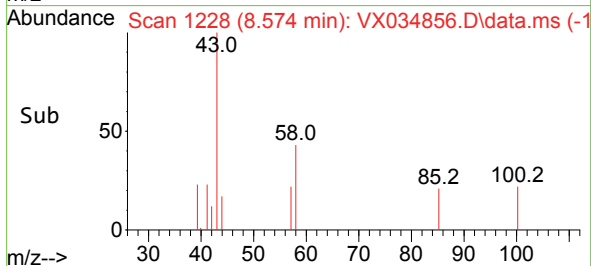
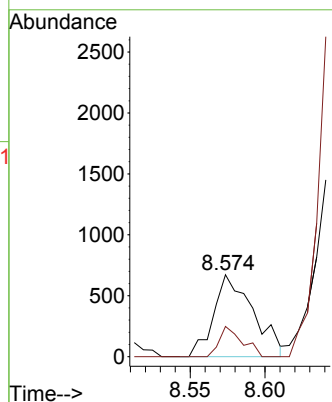
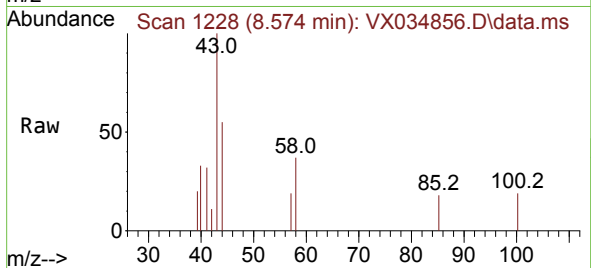
TRIP-BLANK

Tgt Ion: 43 Resp: 1232

Ion Ratio Lower Upper

43 100

58 21.3 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 45.570 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX034856.D

Acq: 30 Mar 2023 16:37

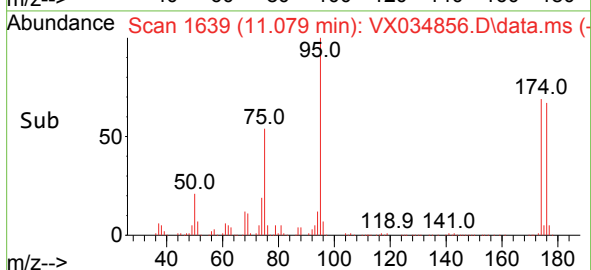
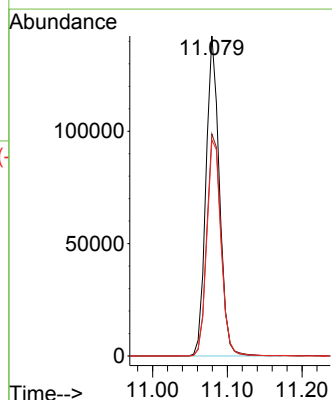
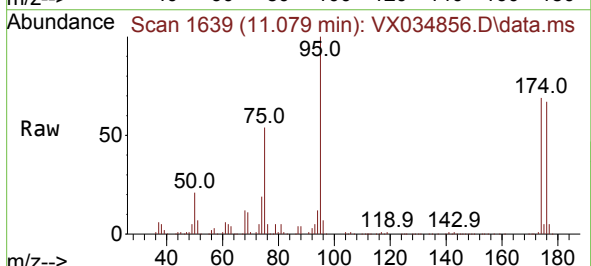
Tgt Ion: 95 Resp: 177450

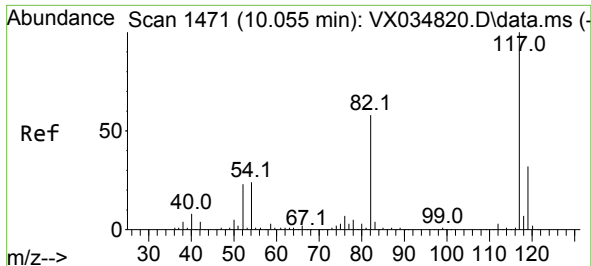
Ion Ratio Lower Upper

95 100

174 73.5 0.0 147.4

176 71.4 0.0 140.6

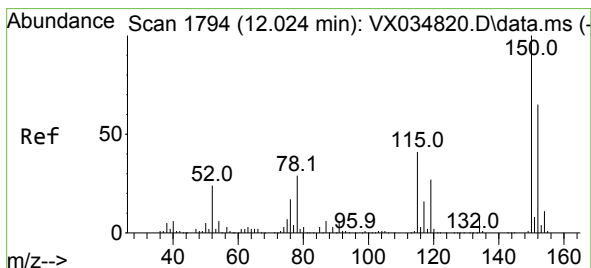
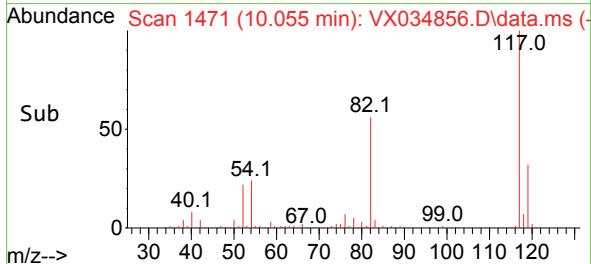
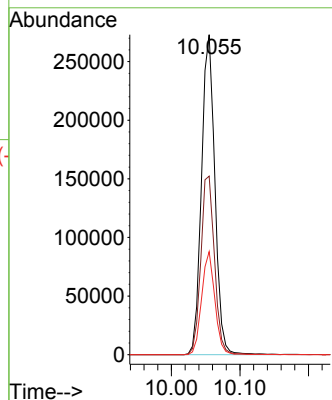
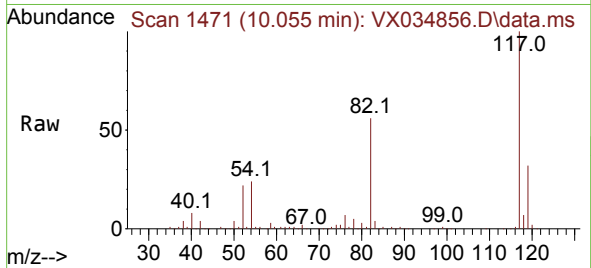




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

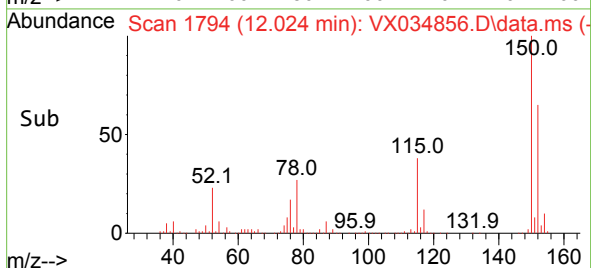
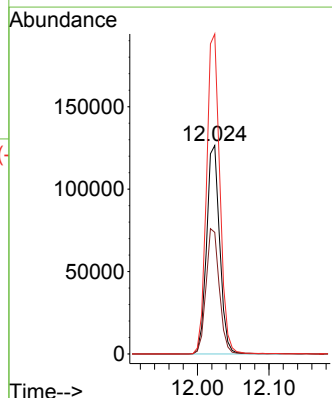
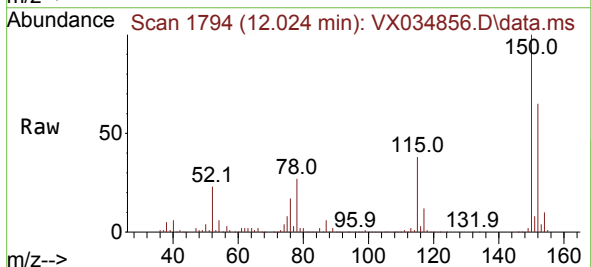
Instrument :
MSVOA_X
ClientSampleId :
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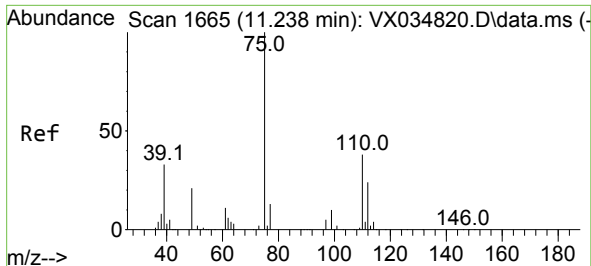
Tgt Ion:117 Resp: 371403
Ion Ratio Lower Upper
117 100
82 55.8 45.0 67.4
119 32.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

Tgt Ion:152 Resp: 161411
Ion Ratio Lower Upper
152 100
115 60.7 45.0 135.0
150 155.5 0.0 352.4

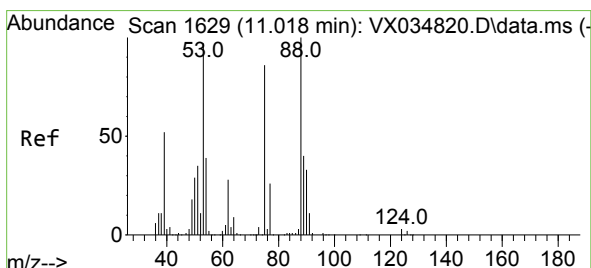
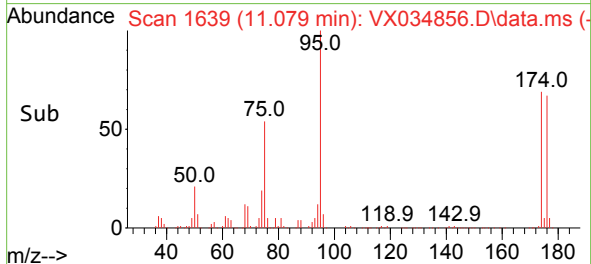
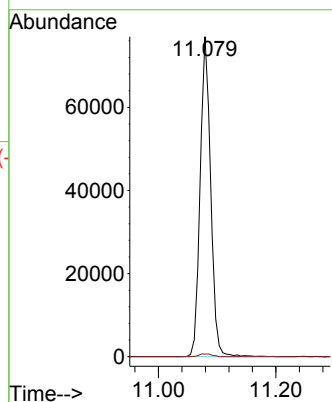
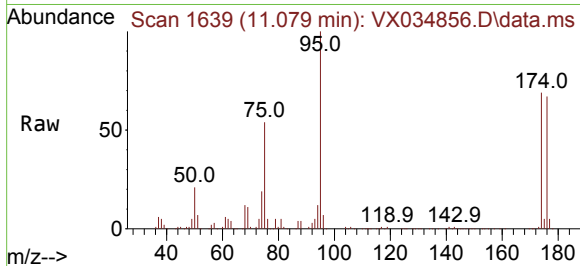




#76
1,2,3-Trichloropropane
Concen: 29.043 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tgt Ion: 75 Resp: 95993
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.771 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034856.D
Acq: 30 Mar 2023 16:37

Tgt Ion: 75 Resp: 95993
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

