

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030723\
 Data File : VX034369.D
 Acq On : 07 Mar 2023 13:48
 Operator : JC/MD
 Sample : 01825-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HH-TP4-0306

Quant Time: Mar 08 01:02:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

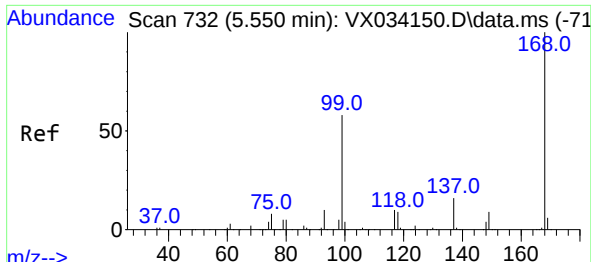
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	259590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	439846	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	400424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	175495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	164610	47.084	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.160%		
35) Dibromofluoromethane	5.391	113	137081	47.866	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.740%		
50) Toluene-d8	8.647	98	534289	51.963	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.920%		
62) 4-Bromofluorobenzene	11.079	95	188144	47.838	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.680%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	144	Below Cal	#	3
11) Tert butyl alcohol	2.953	59	5740	7.341	ug/l #	90
13) Acrolein	2.239	56	115	0.322	ug/l #	1
16) Acetone	2.380	43	34888	19.345	ug/l	97
18) Methyl Acetate	2.703	43	4771	0.855	ug/l	100
20) Methylene Chloride	2.788	84	12874	3.962	ug/l	93
25) 2-Butanone	4.568	43	19776	7.579	ug/l	99
29) Tetrahydrofuran	5.038	42	1052	0.661	ug/l #	63
31) Cyclohexane	5.544	56	5626	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19762	4.666	ug/l #	49
37) Ethyl Acetate	4.714	43	62444	13.192	ug/l	99
38) Carbon Tetrachloride	5.556	117	25088	5.756	ug/l #	16
43) Isopropyl Acetate	6.336	43	258738	30.976	ug/l	99
48) Methyl methacrylate	7.799	41	204791	51.656	ug/l #	46
49) 1,4-Dioxane	7.659	88	32	0.405	ug/l #	14
51) 4-Methyl-2-Pentanone	8.549	43	186849	40.659	ug/l #	50
52) Toluene	8.720	92	2840	0.373	ug/l	96
53) t-1,3-Dichloropropene	8.952	75	1488	0.286	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	85318	15.343	ug/l #	60
56) Ethyl methacrylate	9.244	69	1422	0.274	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	11220	2.101	ug/l #	44
59) 2-Hexanone	9.482	43	144759	41.333	ug/l #	51
74) N-amyl acetate	10.774	43	3063	0.456	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	95314	21.584	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	95314	55.448	ug/l #	8

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

Quant Time: Mar 08 01:02:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration

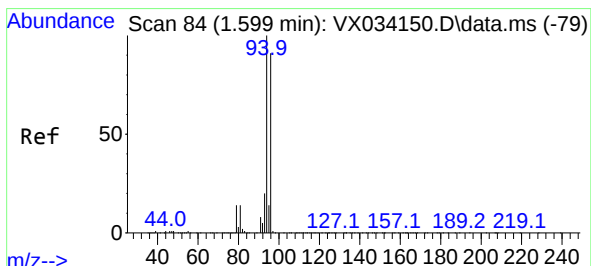
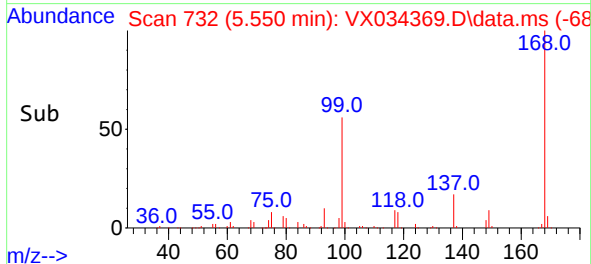
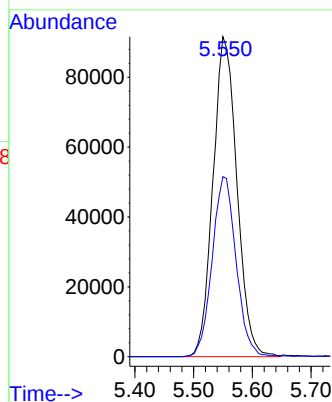
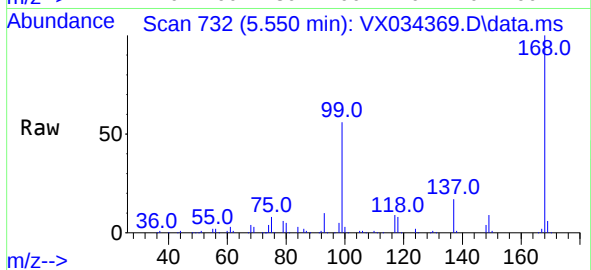




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

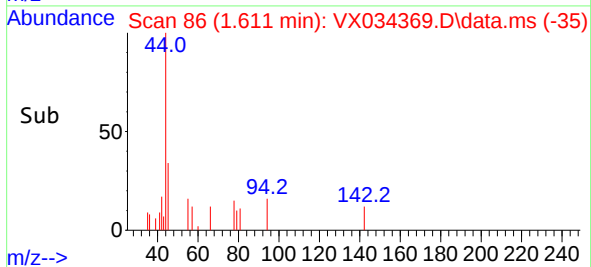
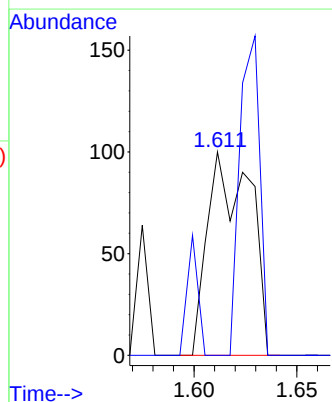
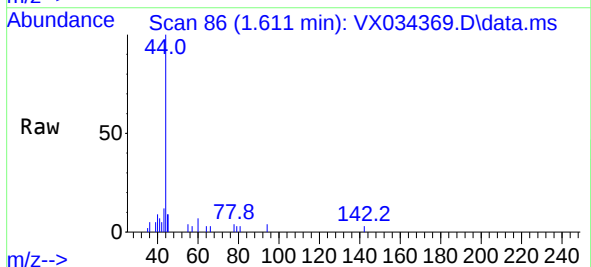
Instrument :
MSVOA_X
ClientSampleId :
HH-TP4-0306

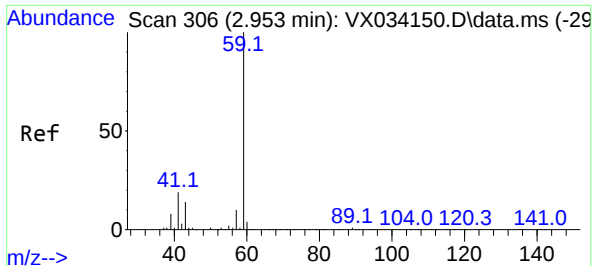
Tgt Ion:168 Resp: 259590
Ion Ratio Lower Upper
168 100
99 56.2 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

Tgt Ion: 94 Resp: 144
Ion Ratio Lower Upper
94 100
96 0.0 74.3 111.5#

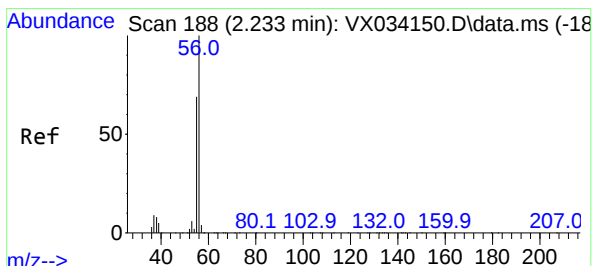
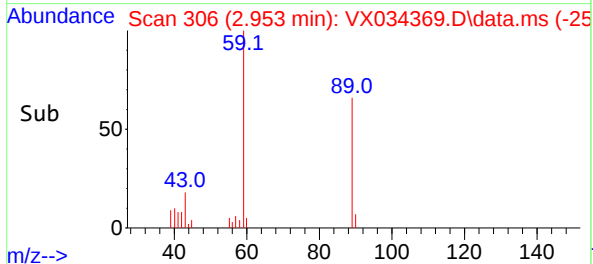
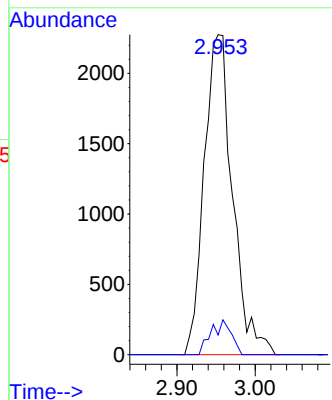
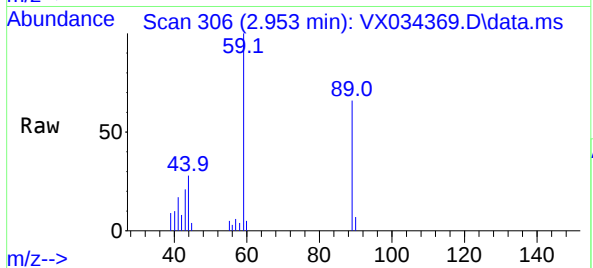




#11
Tert butyl alcohol
Concen: 7.341 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

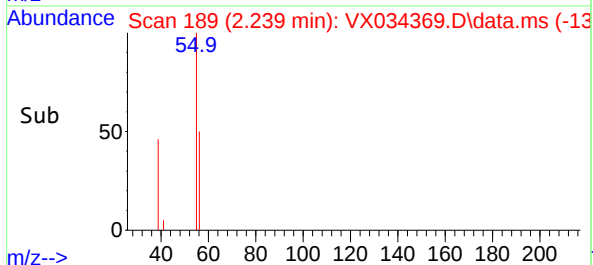
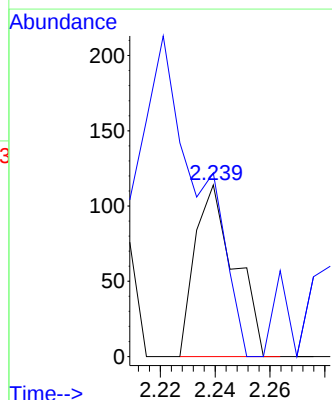
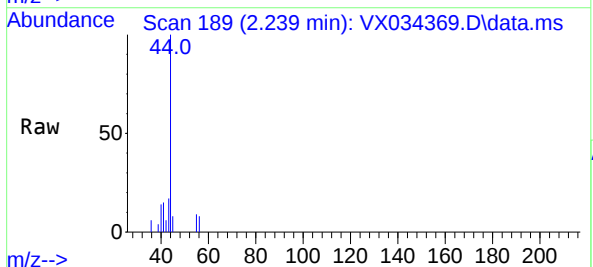
Instrument :
MSVOA_X
ClientSampleId :
HH-TP4-0306

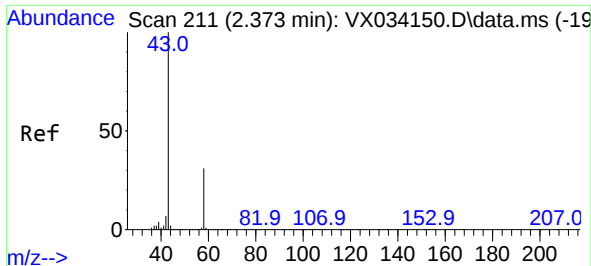
Tgt Ion: 59 Resp: 5740
Ion Ratio Lower Upper
59 100
57 7.8 3.7 5.5#



#13
Acrolein
Concen: 0.322 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 253.0 56.3 84.5#

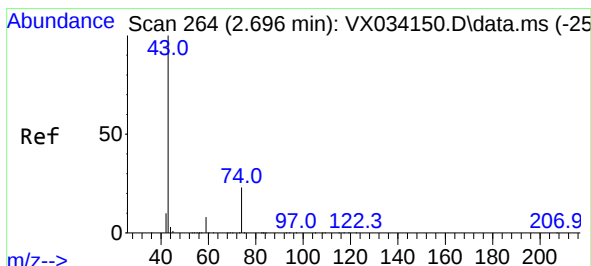
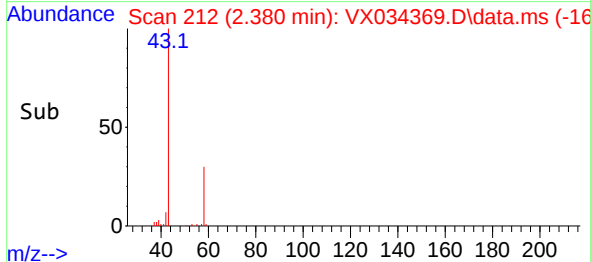
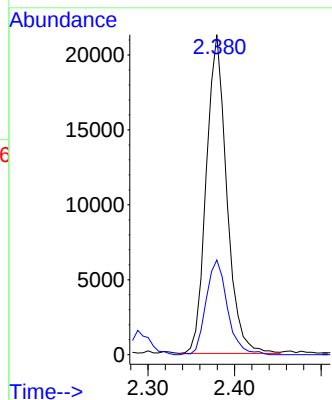
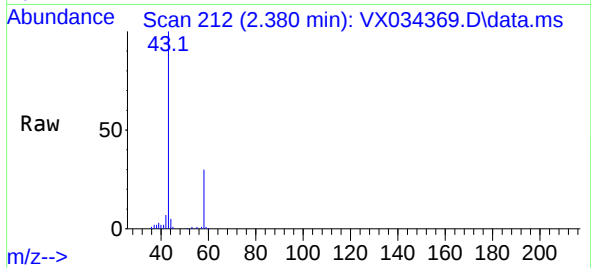




#16
Acetone
Concen: 19.345 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

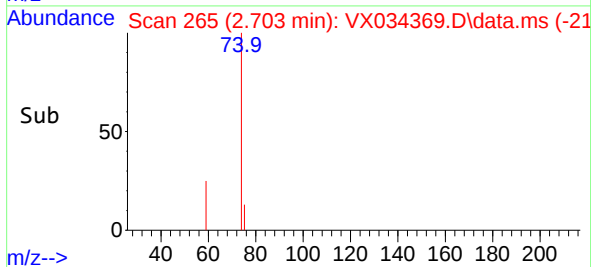
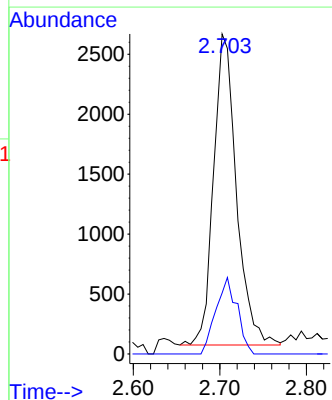
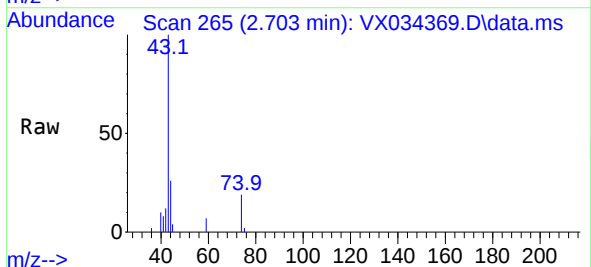
Instrument :
MSVOA_X
ClientSampleId :
HH-TP4-0306

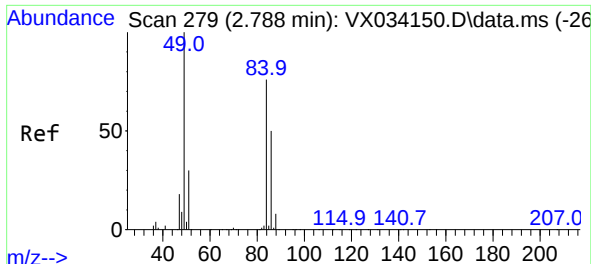
Tgt Ion: 43 Resp: 34888
Ion Ratio Lower Upper
43 100
58 29.7 22.6 33.8



#18
Methyl Acetate
Concen: 0.855 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

Tgt Ion: 43 Resp: 4771
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.4



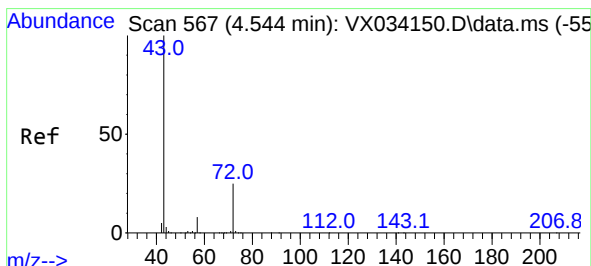
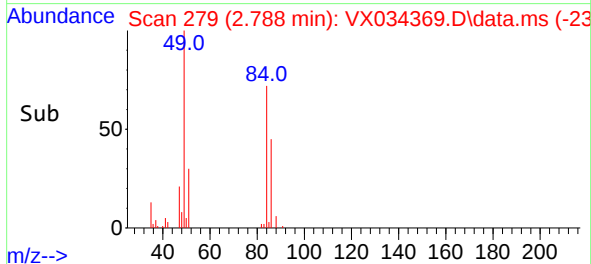
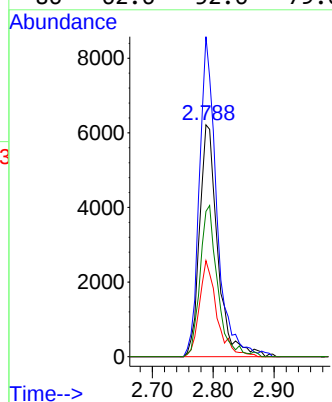
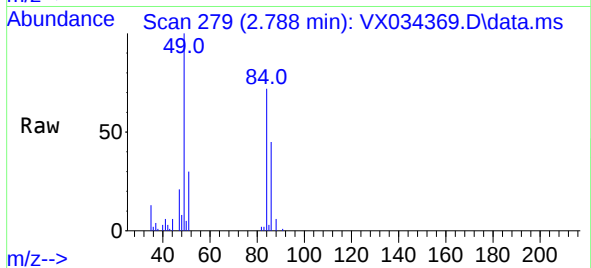


#20
Methylene Chloride
Concen: 3.962 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

Instrument :
MSVOA_X
ClientSampleId :
HH-TP4-0306

Tgt Ion: 84 Resp: 12874

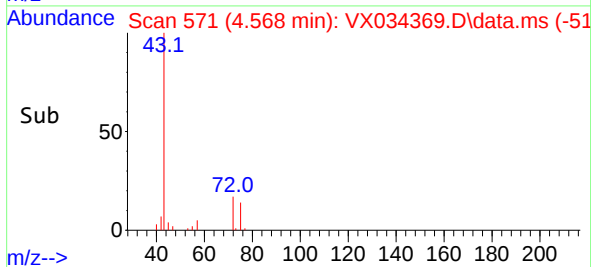
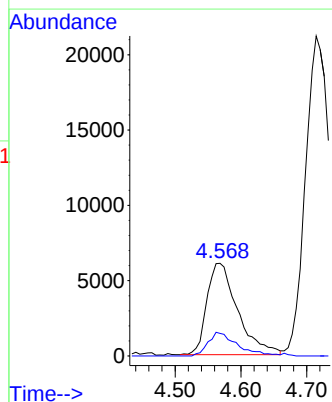
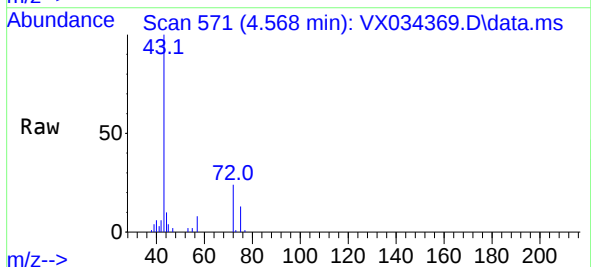
Ion	Ratio	Lower	Upper
84	100		
49	138.0	101.1	151.7
51	41.4	31.0	46.6
86	62.6	52.6	79.0

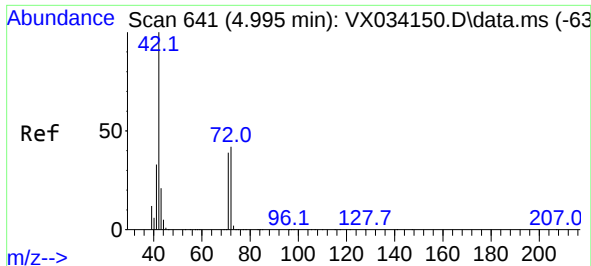


#25
2-Butanone
Concen: 7.579 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.024 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

Tgt Ion: 43 Resp: 19776

Ion	Ratio	Lower	Upper
43	100		
72	24.6	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.661 ug/l

RT: 5.038 min Scan# 641

Delta R.T. 0.043 min

Lab File: VX034369.D

Acq: 07 Mar 2023 13:48

Instrument :

MSVOA_X

ClientSampleId :

HH-TP4-0306

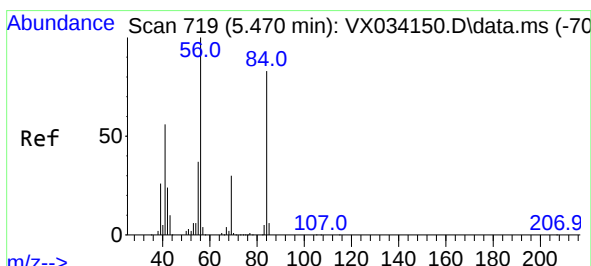
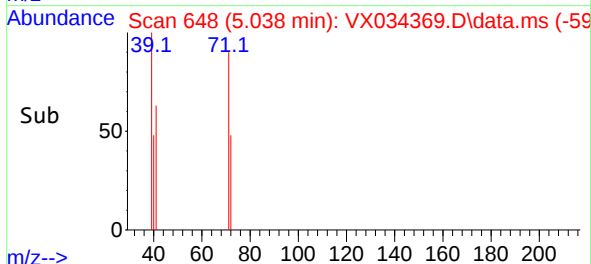
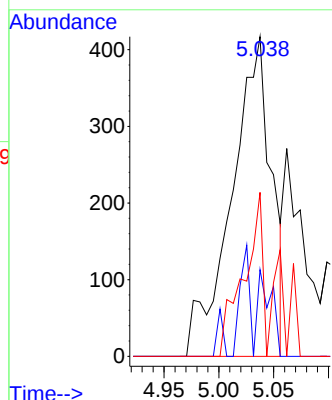
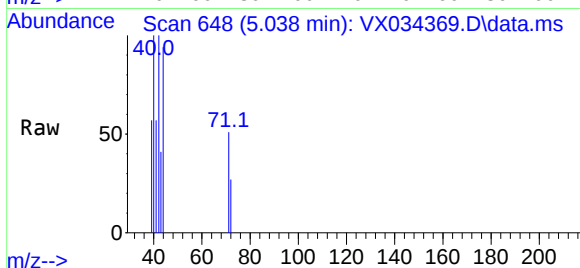
Tgt Ion: 42 Resp: 1052

Ion Ratio Lower Upper

42 100

72 9.3 34.8 52.2#

71 27.6 32.2 48.2#



#31

Cyclohexane

Concen: 1.078 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX034369.D

Acq: 07 Mar 2023 13:48

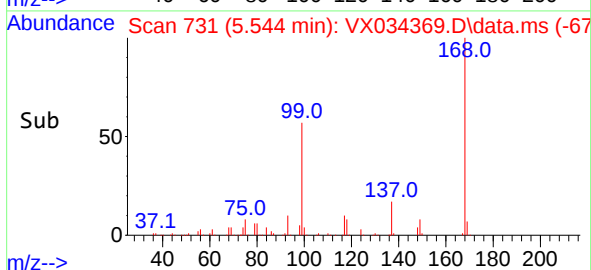
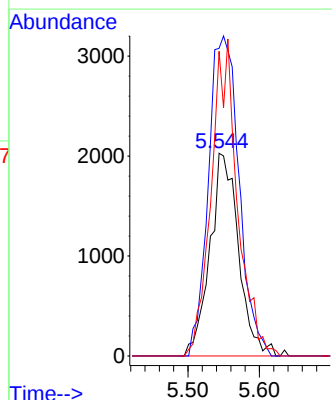
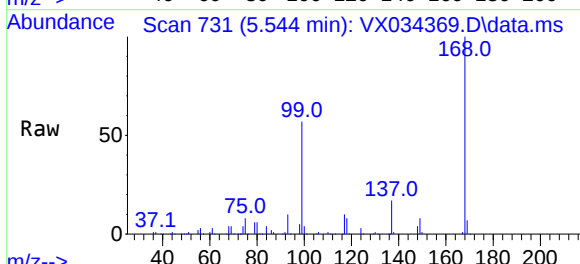
Tgt Ion: 56 Resp: 5626

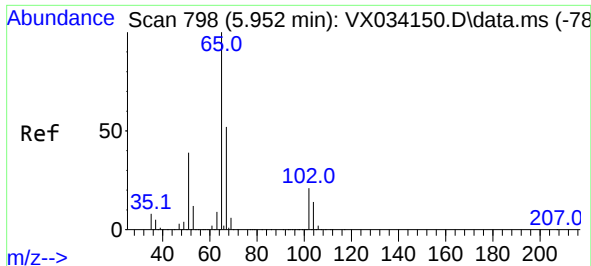
Ion Ratio Lower Upper

56 100

69 151.7 24.6 37.0#

84 150.2 71.0 106.6#

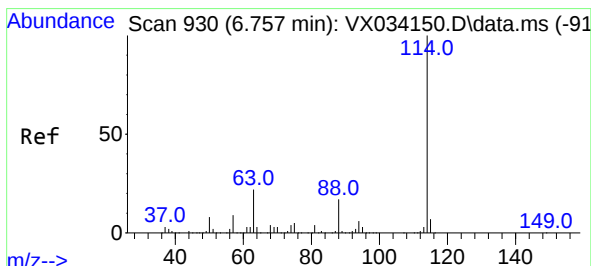
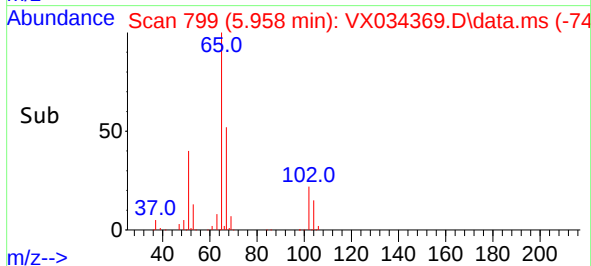
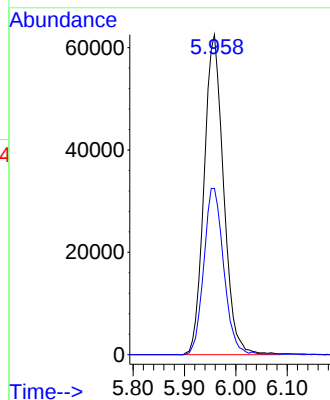
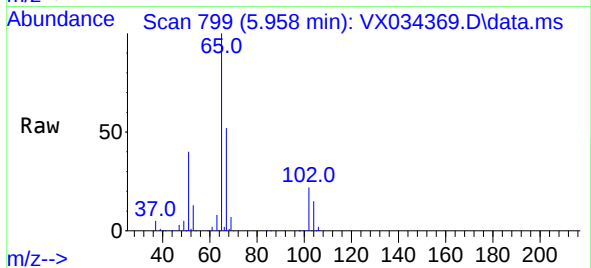




#33
1,2-Dichloroethane-d4
Concen: 47.084 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

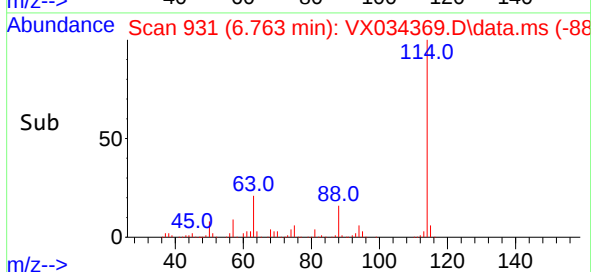
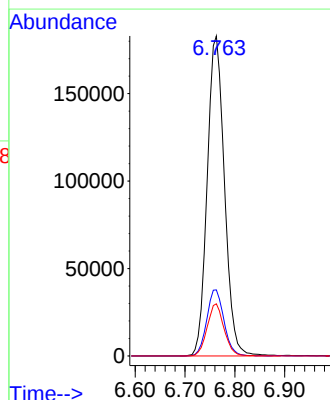
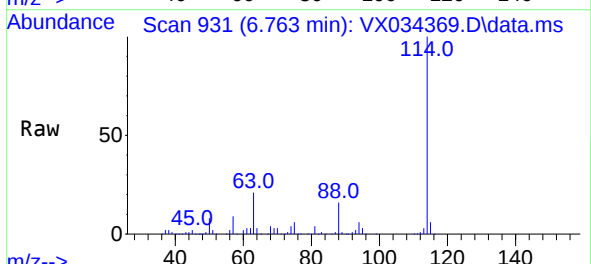
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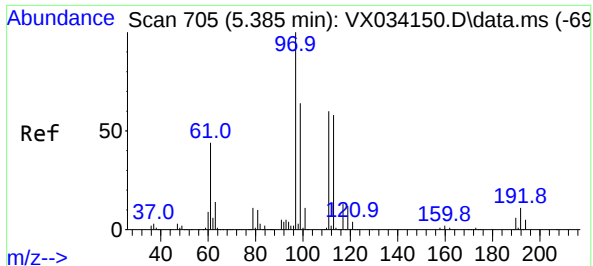
Tgt Ion: 65 Resp: 164610
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

Tgt Ion: 114 Resp: 439846
Ion Ratio Lower Upper
114 100
63 20.7 0.0 37.4
88 16.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.866 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034369.D

Acq: 07 Mar 2023 13:48

Instrument :

MSVOA_X

ClientSampleId :

HH-TP4-0306

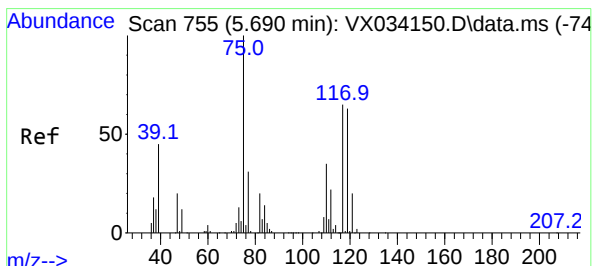
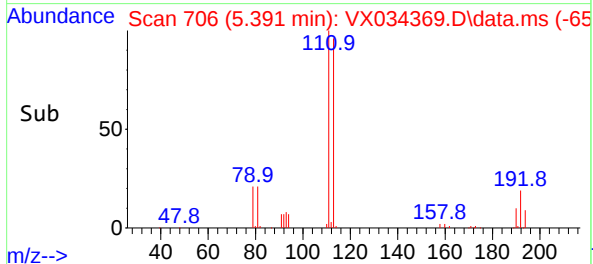
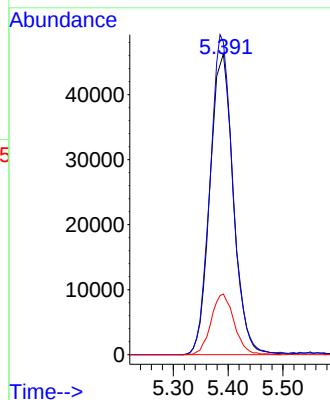
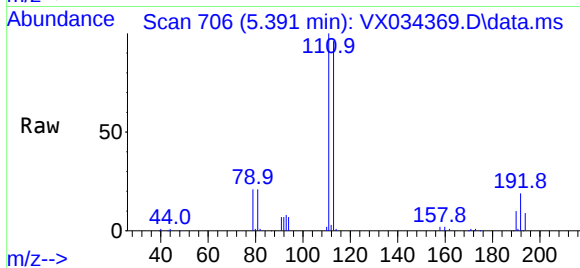
Tgt Ion:113 Resp: 137081

Ion Ratio Lower Upper

113 100

111 104.0 83.0 124.6

192 19.9 19.0 28.4



#36

1,1-Dichloropropene

Concen: 4.666 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX034369.D

Acq: 07 Mar 2023 13:48

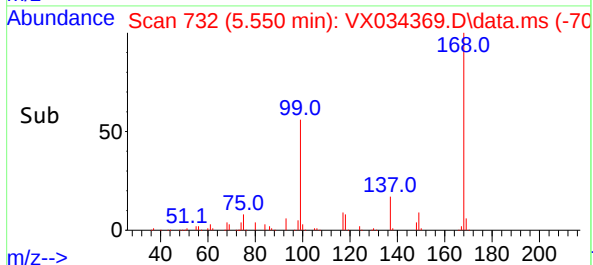
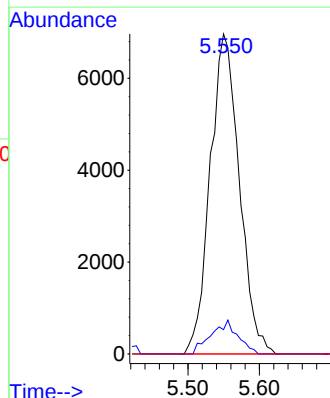
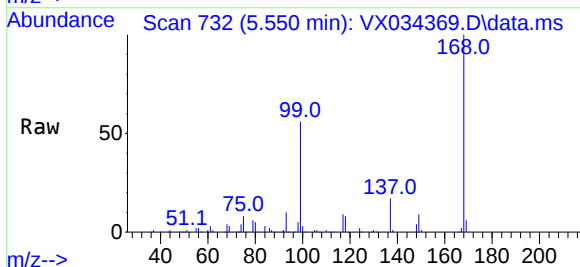
Tgt Ion: 75 Resp: 19762

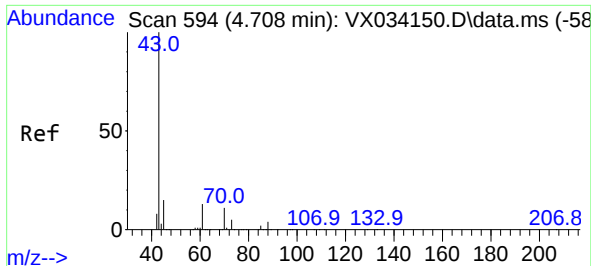
Ion Ratio Lower Upper

75 100

110 9.6 18.8 56.4#

77 0.0 25.1 37.7#

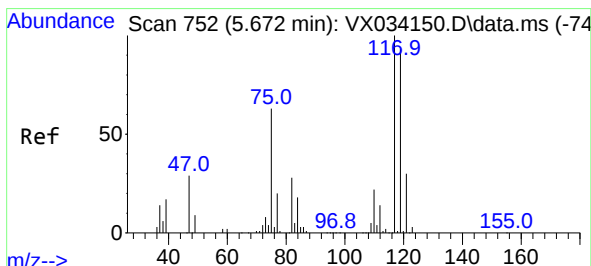
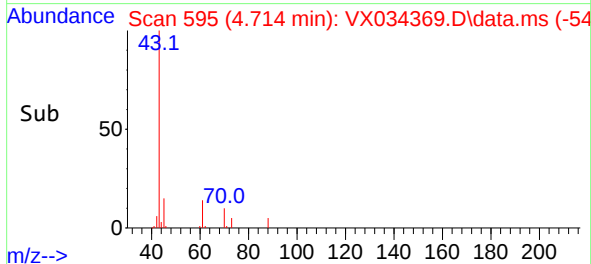
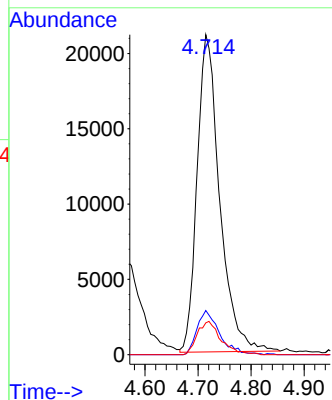
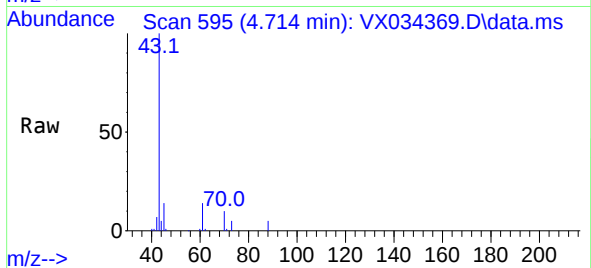




#37
Ethyl Acetate
Concen: 13.192 ug/l
RT: 4.714 min Scan# 594
Delta R.T. 0.006 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

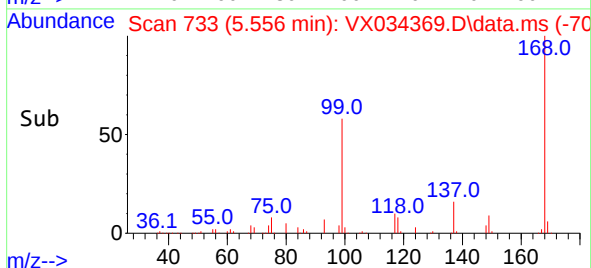
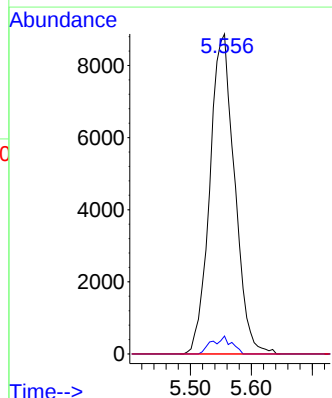
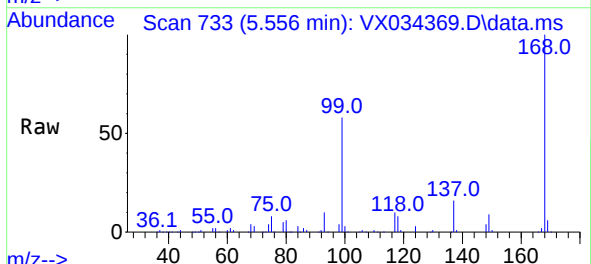
Instrument :
MSVOA_X
ClientSampleId :
HH-TP4-0306

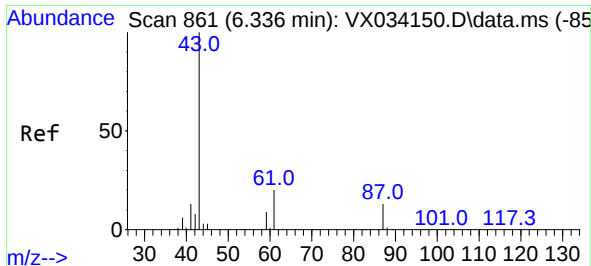
Tgt Ion: 43 Resp: 62444
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 11.0 8.5 12.7



#38
Carbon Tetrachloride
Concen: 5.756 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

Tgt Ion: 117 Resp: 25088
Ion Ratio Lower Upper
117 100
119 5.6 78.0 117.0#
121 0.0 24.4 36.6#

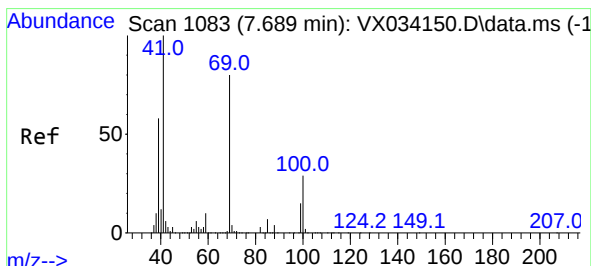
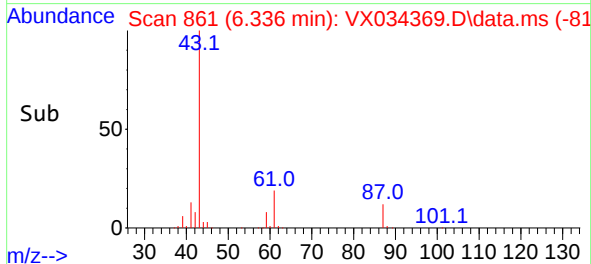
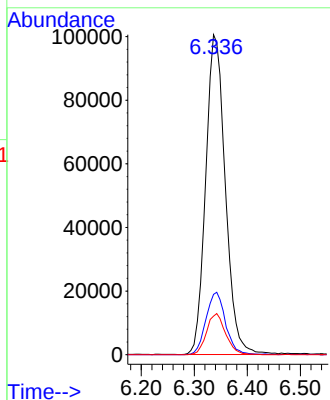
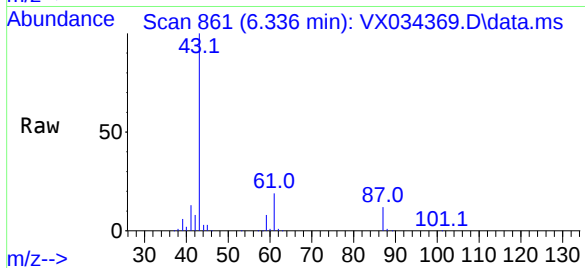




#43
Isopropyl Acetate
Concen: 30.976 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

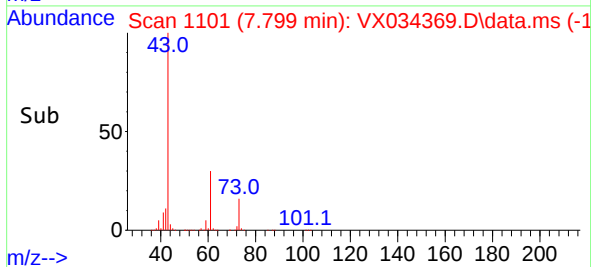
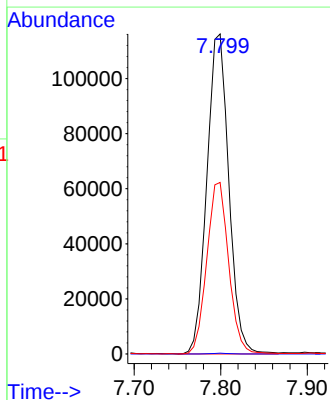
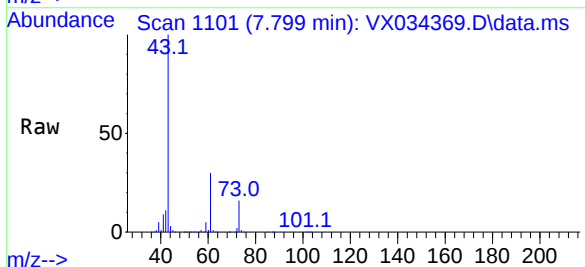
Instrument :
MSVOA_X
ClientSampleId :
HH-TP4-0306

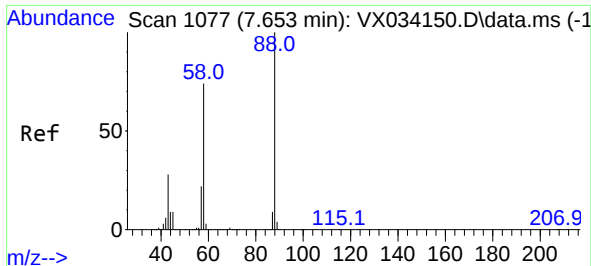
Tgt Ion: 43 Resp: 258738
Ion Ratio Lower Upper
43 100
61 19.6 15.7 23.5
87 12.5 10.6 15.8



#48
Methyl methacrylate
Concen: 51.656 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

Tgt Ion: 41 Resp: 204791
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 53.5 43.2 64.8





#49

1,4-Dioxane

Concen: 0.405 ug/l

RT: 7.659 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VX034369.D

Acq: 07 Mar 2023 13:48

Instrument :

MSVOA_X

ClientSampleId :

HH-TP4-0306

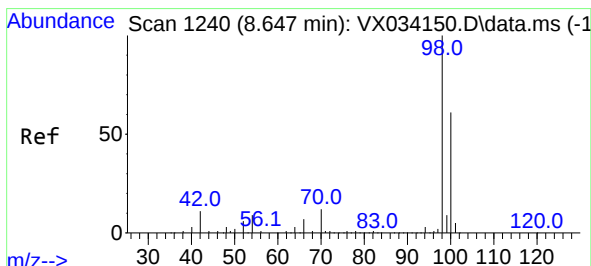
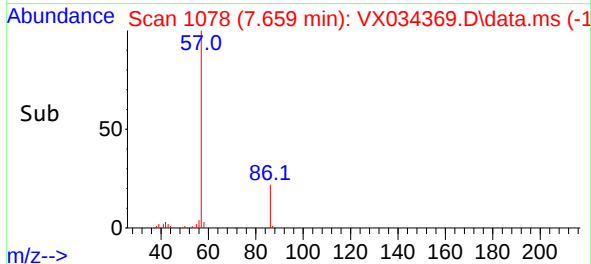
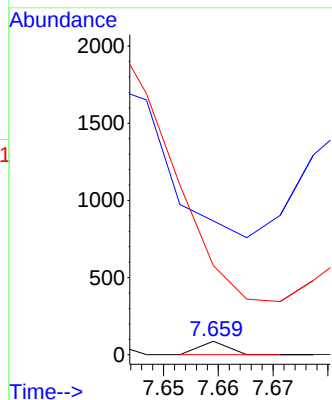
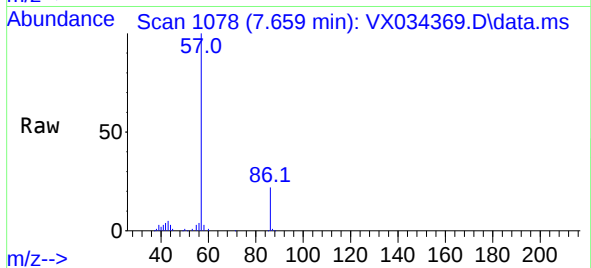
Tgt Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 56.5 84.7#



#50

Toluene-d8

Concen: 51.963 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034369.D

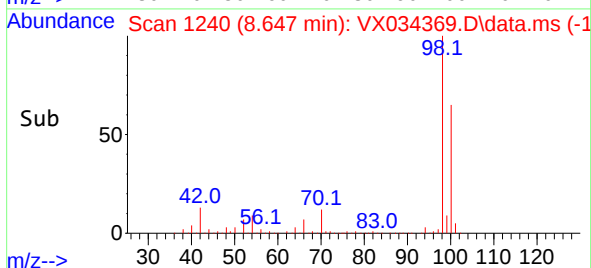
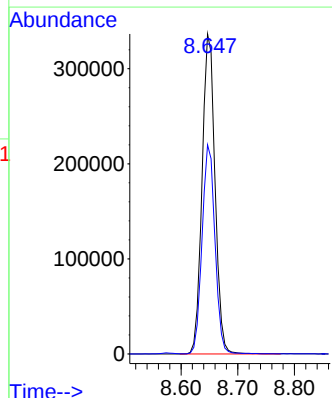
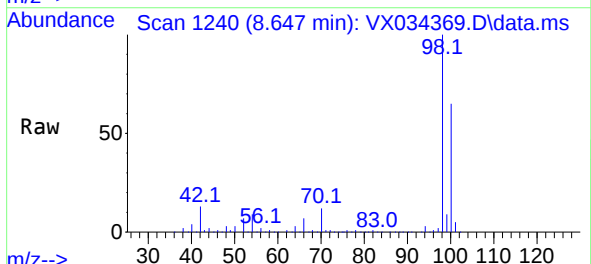
Acq: 07 Mar 2023 13:48

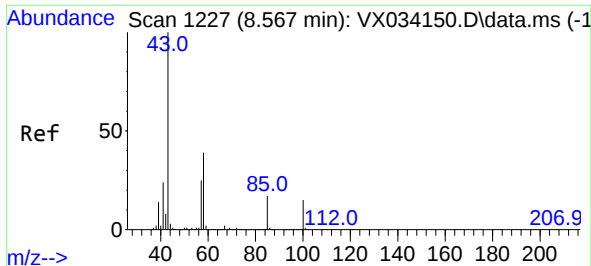
Tgt Ion: 98 Resp: 534289

Ion Ratio Lower Upper

98 100

100 65.0 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 40.659 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX034369.D

Acq: 07 Mar 2023 13:48

Instrument :

MSVOA_X

ClientSampleId :

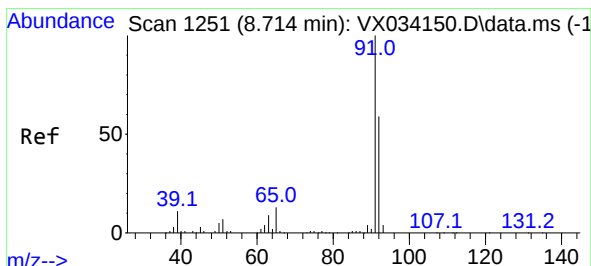
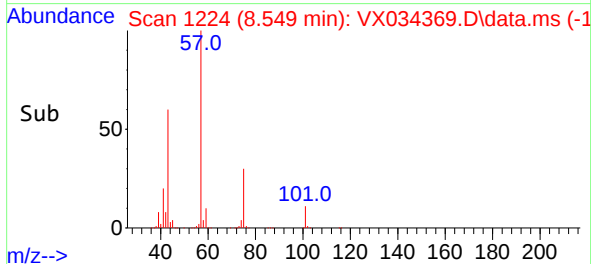
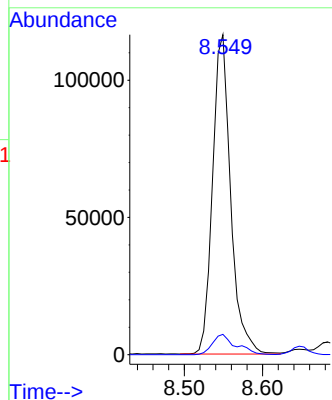
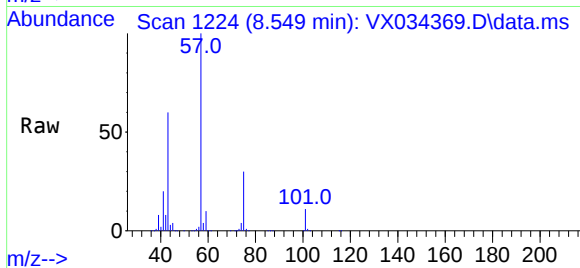
HH-TP4-0306

Tgt Ion: 43 Resp: 186849

Ion Ratio Lower Upper

43 100

58 8.2 31.2 46.8#



#52

Toluene

Concen: 0.373 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX034369.D

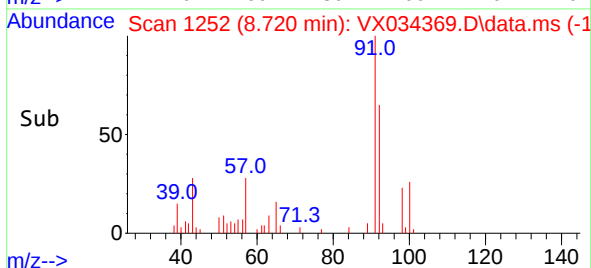
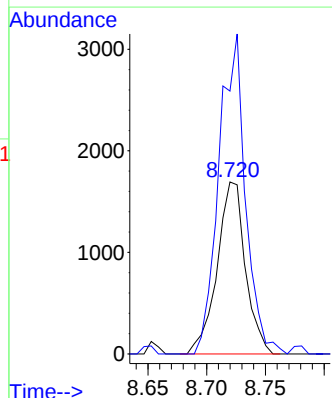
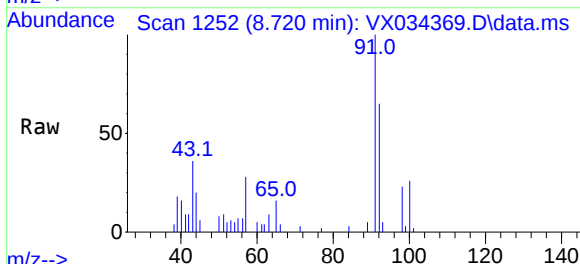
Acq: 07 Mar 2023 13:48

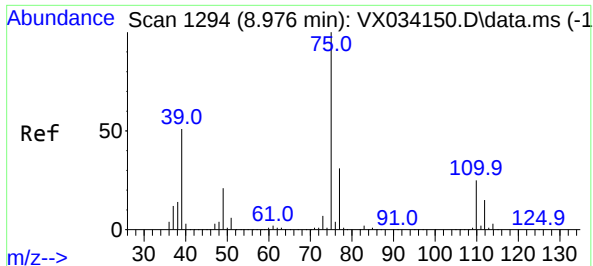
Tgt Ion: 92 Resp: 2840

Ion Ratio Lower Upper

92 100

91 174.9 135.5 203.3

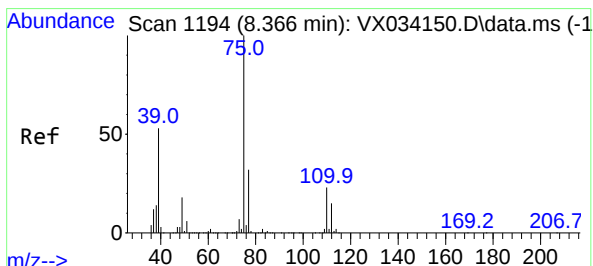
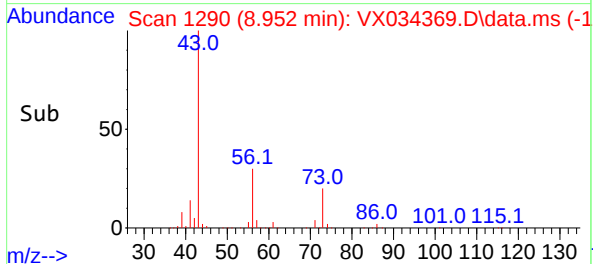
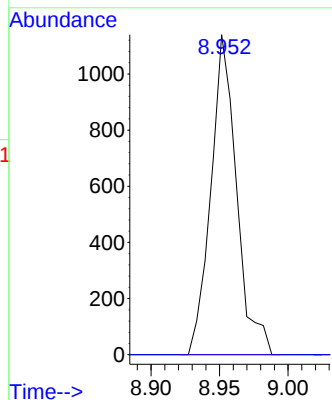
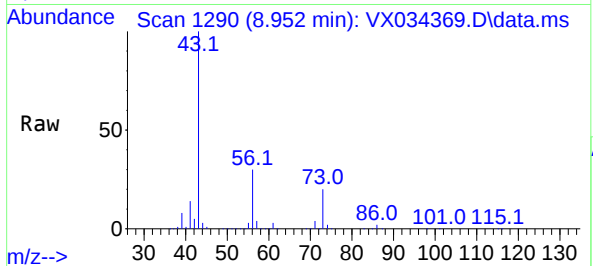




#53
 t-1,3-Dichloropropene
 Concen: 0.286 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX034369.D
 Acq: 07 Mar 2023 13:48

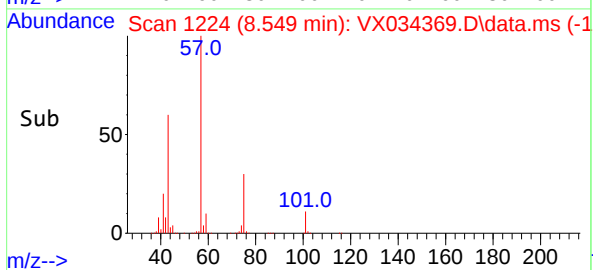
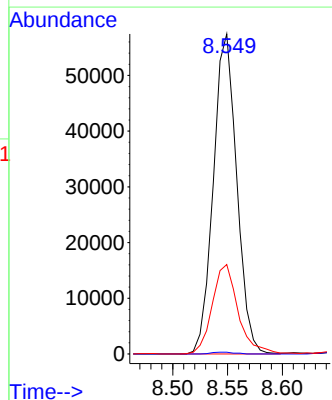
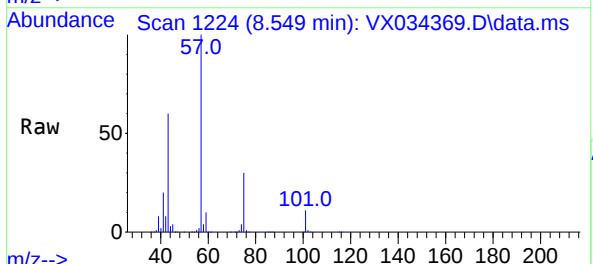
Instrument :
 MSVOA_X
 ClientSampleId :
 HH-TP4-0306

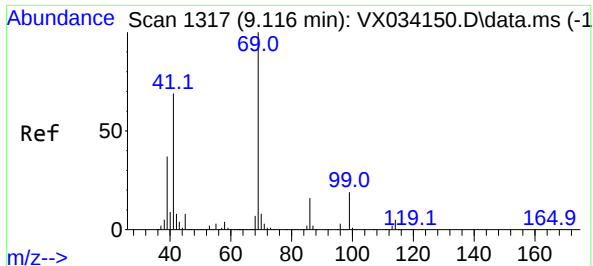
Tgt Ion: 75 Resp: 1488
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 15.343 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX034369.D
 Acq: 07 Mar 2023 13:48

Tgt Ion: 75 Resp: 85318
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 28.0 38.6 58.0#





#56

Ethyl methacrylate

Concen: 0.274 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX034369.D

Acq: 07 Mar 2023 13:48

Instrument :

MSVOA_X

ClientSampleId :

HH-TP4-0306

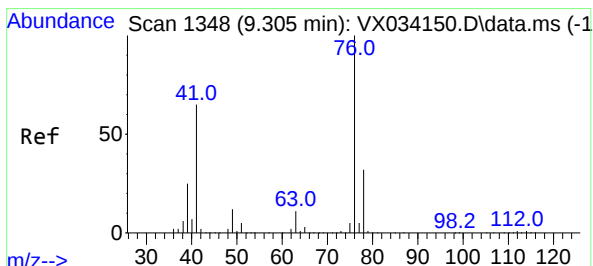
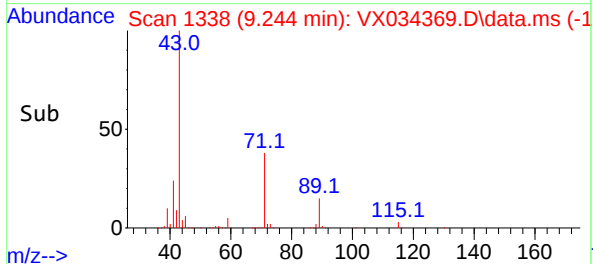
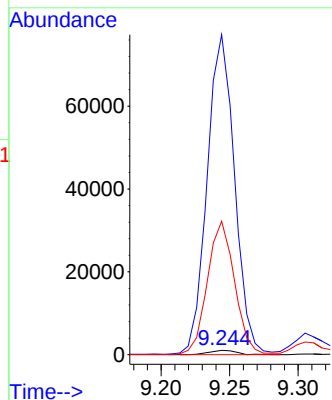
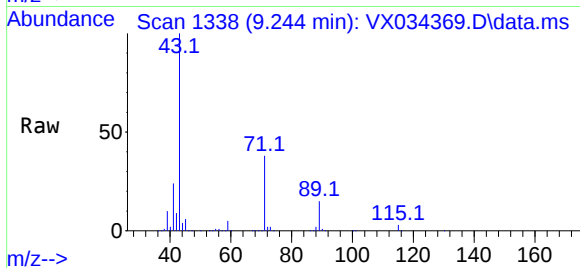
Tgt Ion: 69 Resp: 1422

Ion Ratio Lower Upper

69 100

41 7574.9 55.1 82.7#

39 3126.7 28.5 42.7#



#57

1,3-Dichloropropane

Concen: 2.101 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034369.D

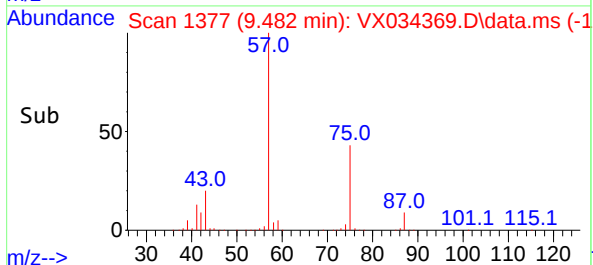
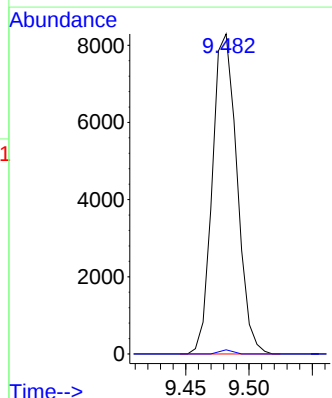
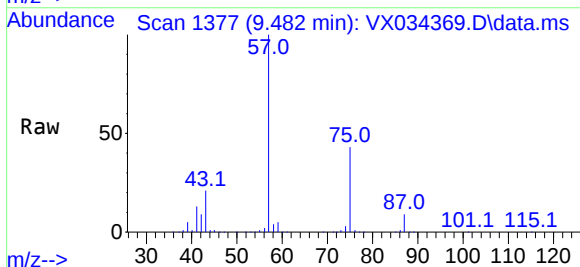
Acq: 07 Mar 2023 13:48

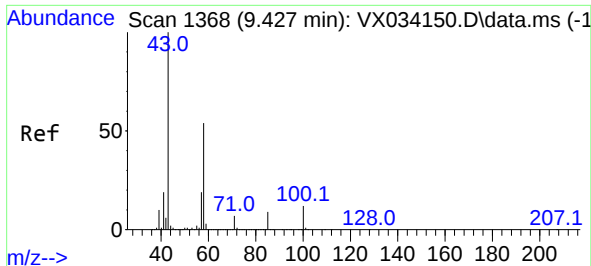
Tgt Ion: 76 Resp: 11220

Ion Ratio Lower Upper

76 100

78 0.7 25.6 38.4#





#59

2-Hexanone

Concen: 41.333 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.055 min

Lab File: VX034369.D

Acq: 07 Mar 2023 13:48

Instrument :

MSVOA_X

ClientSampleId :

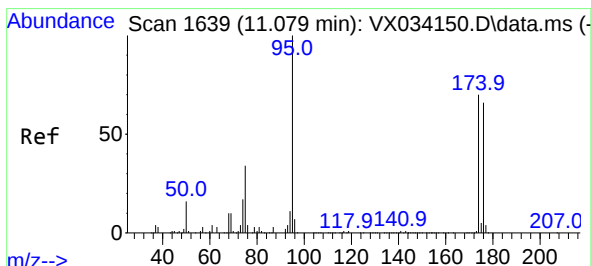
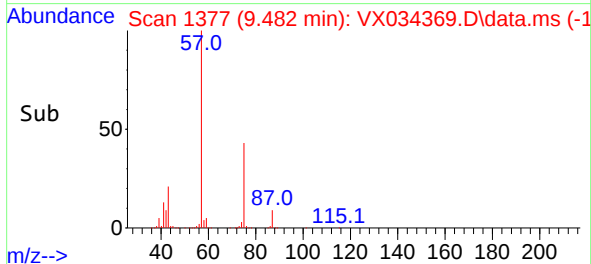
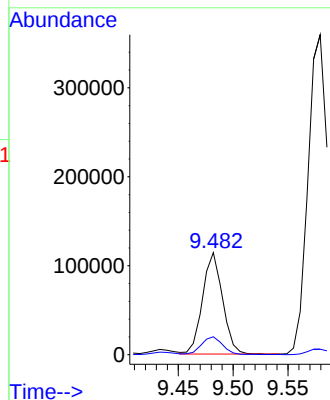
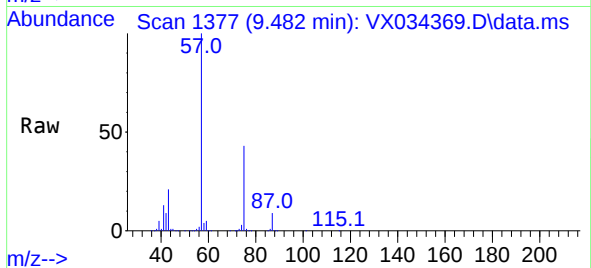
HH-TP4-0306

Tgt Ion: 43 Resp: 144759

Ion Ratio Lower Upper

43 100

58 19.1 27.4 82.0#



#62

4-Bromofluorobenzene

Concen: 47.838 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX034369.D

Acq: 07 Mar 2023 13:48

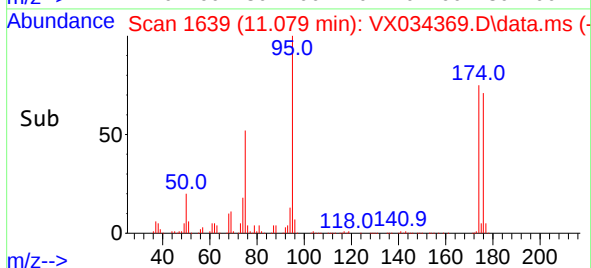
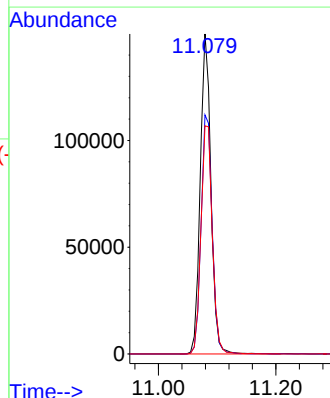
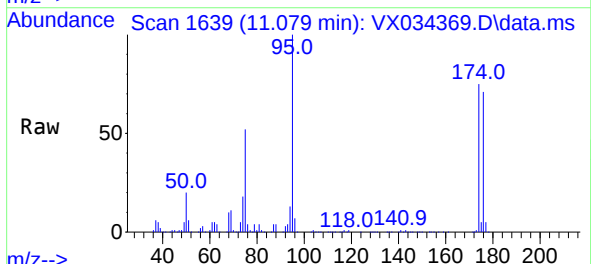
Tgt Ion: 95 Resp: 188144

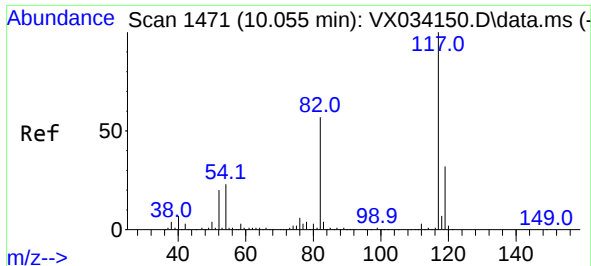
Ion Ratio Lower Upper

95 100

174 77.4 0.0 184.4

176 76.2 0.0 178.8

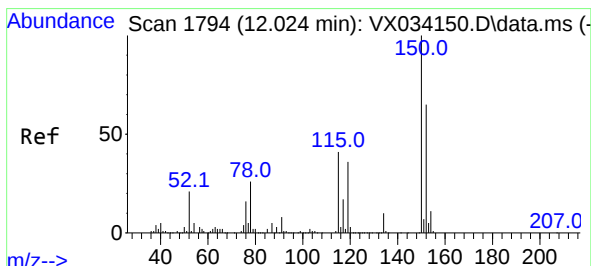
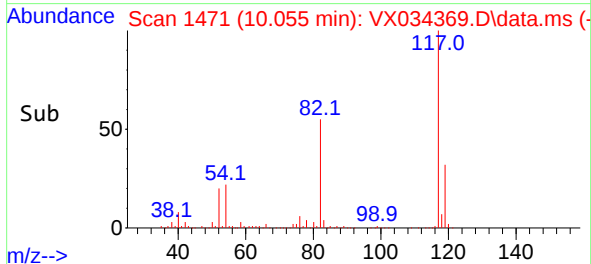
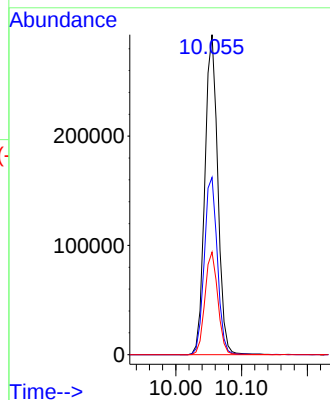
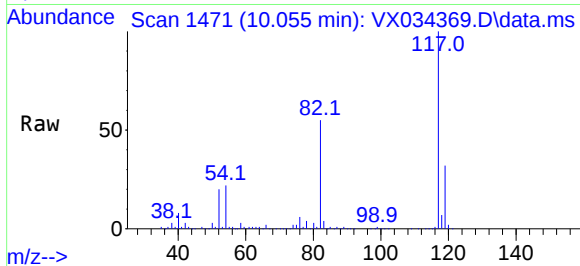




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

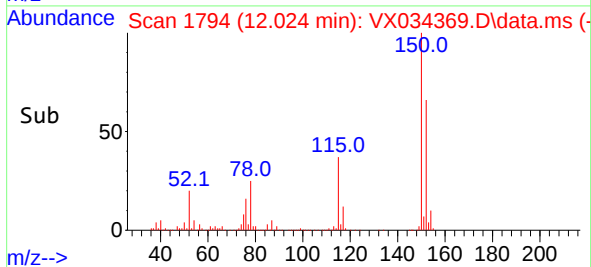
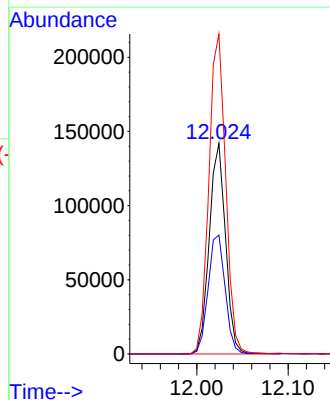
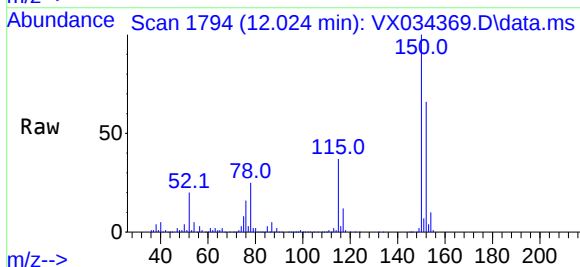
Instrument :
MSVOA_X
ClientSampleId :
HH-TP4-0306

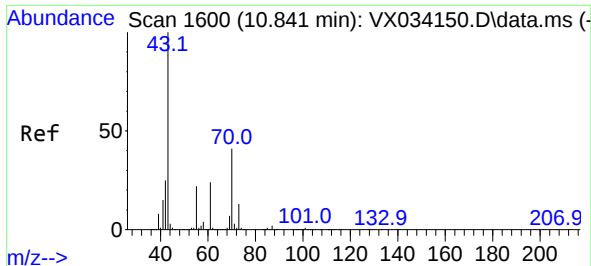
Tgt Ion:117 Resp: 400424
Ion Ratio Lower Upper
117 100
82 55.4 40.6 60.8
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

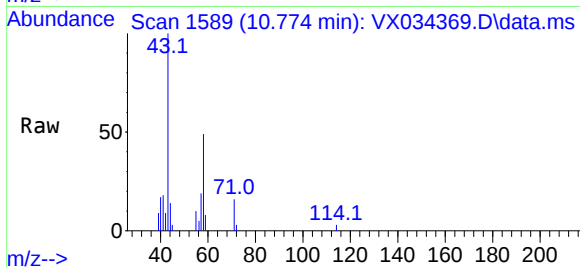
Tgt Ion:152 Resp: 175495
Ion Ratio Lower Upper
152 100
115 59.3 38.7 116.1
150 156.3 0.0 348.2





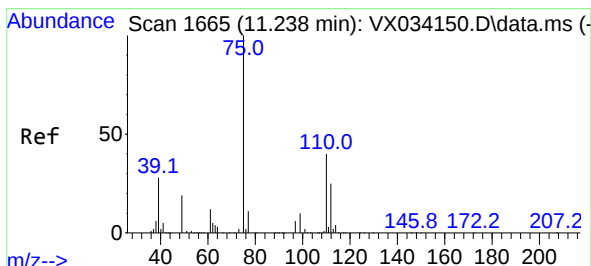
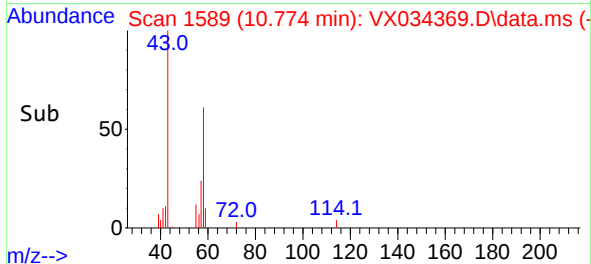
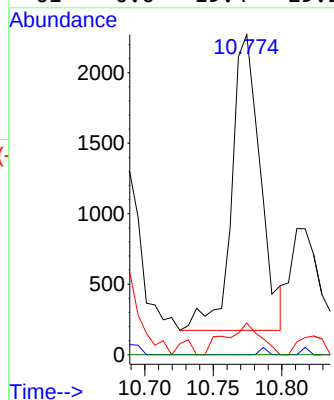
#74
N-amy1 acetate
Concen: 0.456 ug/l
RT: 10.774 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

Instrument :
MSVOA_X
ClientSampleId :
HH-TP4-0306



Tgt Ion: 43 Resp: 3063

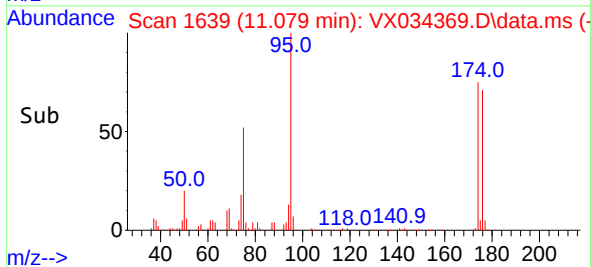
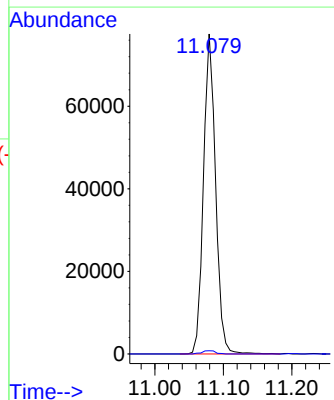
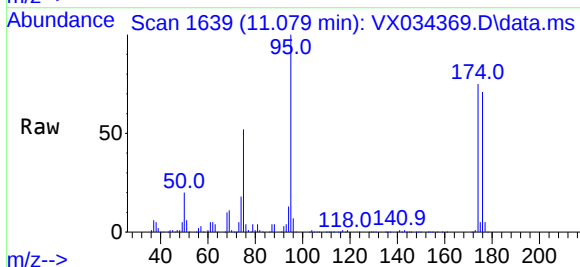
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.8	52.2#
55	13.0	19.4	29.0#
61	0.0	19.4	29.2#

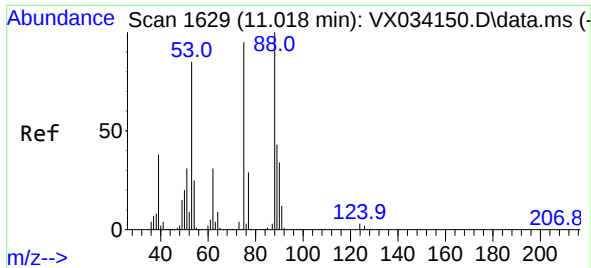


#76
1,2,3-Trichloropropane
Concen: 21.584 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

Tgt Ion: 75 Resp: 95314

Ion	Ratio	Lower	Upper
75	100		
77	1.2	21.8	65.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 55.448 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX034369.D
Acq: 07 Mar 2023 13:48

Instrument :
MSVOA_X
ClientSampleId :
HH-TP4-0306

Tgt Ion: 75 Resp: 95314
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

