

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032223\
 Data File : VX034669.D
 Acq On : 22 Mar 2023 13:45
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK

Quant Time: Mar 23 07:53:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	249544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	446871	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	398657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	183455	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	200219	55.151	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.300%
35) Dibromofluoromethane	5.385	113	145014	49.150	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.300%
50) Toluene-d8	8.646	98	530711	48.184	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.360%
62) 4-Bromofluorobenzene	11.079	95	196441	44.155	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.300%

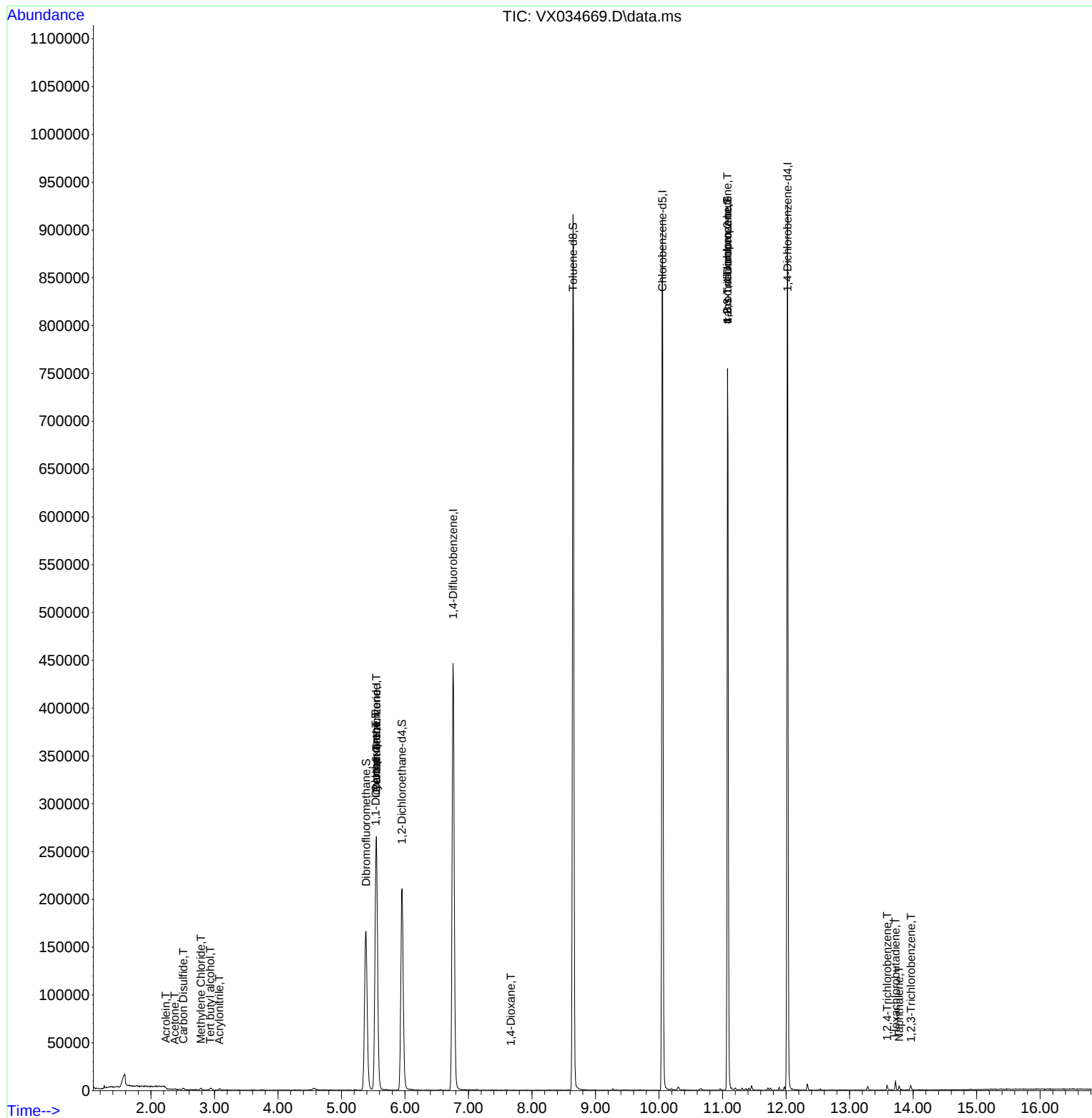
Target Compounds			Qvalue			
3) Chloromethane	1.288	50	307	Below Cal	#	42
11) Tert butyl alcohol	2.934	59	1506	1.992	ug/l #	73
13) Acrolein	2.233	56	267	0.446	ug/l #	81
15) Acrylonitrile	3.074	53	349	0.214	ug/l #	36
16) Acetone	2.373	43	797	0.466	ug/l #	86
17) Carbon Disulfide	2.507	76	2081	0.271	ug/l	98
20) Methylene Chloride	2.788	84	924	0.278	ug/l #	75
31) Cyclohexane	5.543	56	6099	1.198	ug/l #	13
36) 1,1-Dichloropropene	5.537	75	20904	4.613	ug/l #	50
38) Carbon Tetrachloride	5.549	117	25209	5.592	ug/l #	16
49) 1,4-Dioxane	7.665	88	21	0.248	ug/l #	23
76) 1,2,3-Trichloropropane	11.079	75	106173	25.205	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	106173	68.188	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.591	180	1415	0.351	ug/l	96
94) Hexachlorobutadiene	13.725	225	1074	0.662	ug/l	89
95) Naphthalene	13.780	128	2707	0.200	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.969	180	1225	0.311	ug/l	96

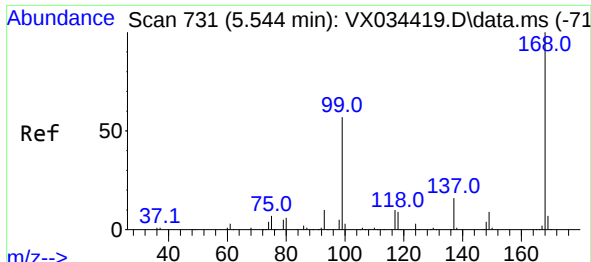
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

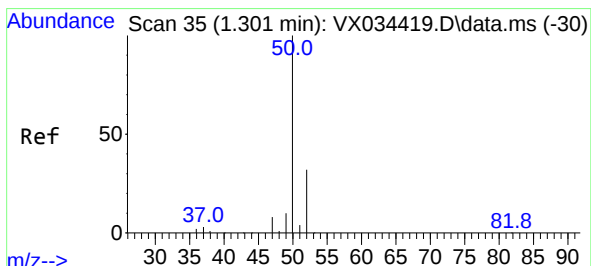
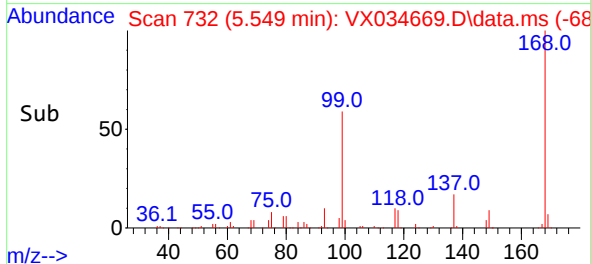
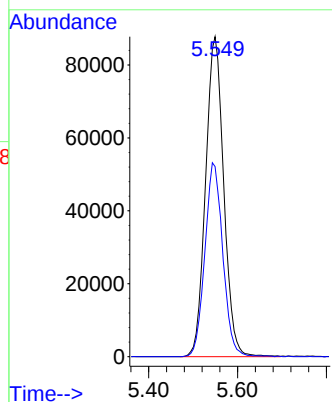
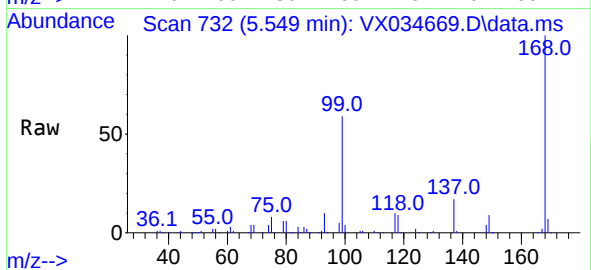




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

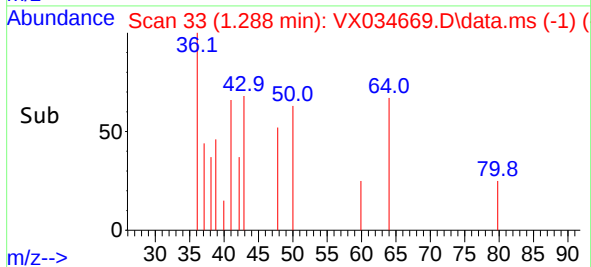
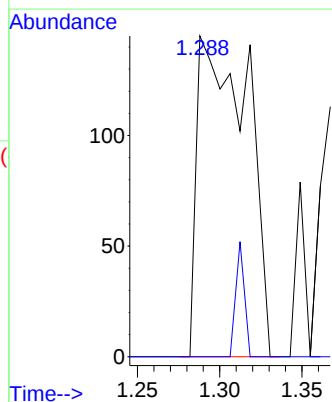
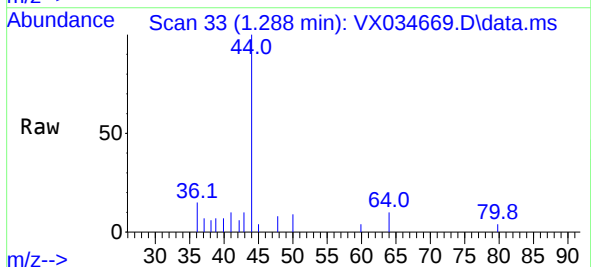
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

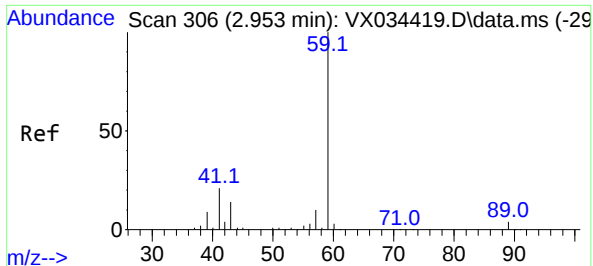
Tgt Ion:168 Resp: 249544
Ion Ratio Lower Upper
168 100
99 59.4 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.013 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

Tgt Ion: 50 Resp: 307
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

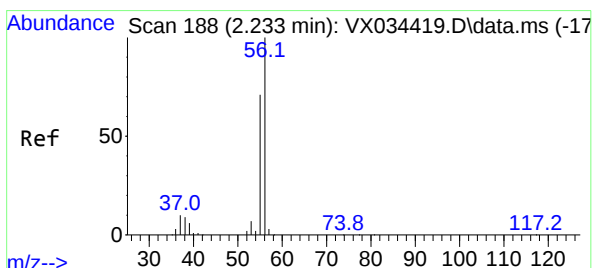
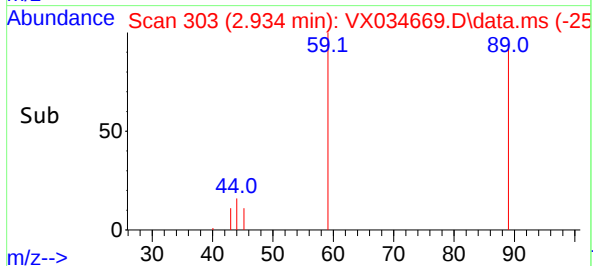
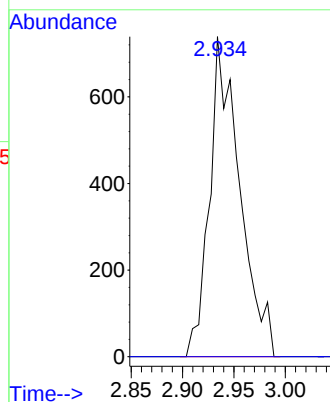
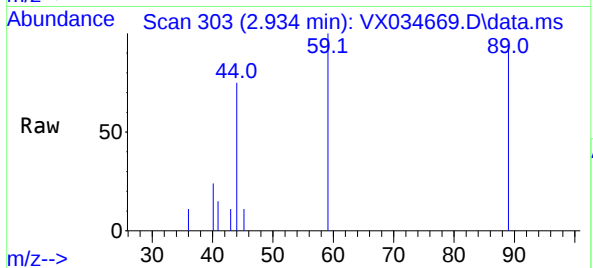




#11
Tert butyl alcohol
Concen: 1.992 ug/l
RT: 2.934 min Scan# 306
Delta R.T. -0.019 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

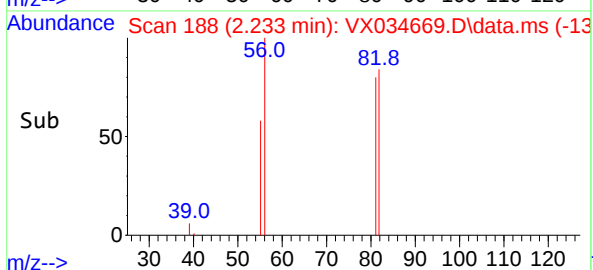
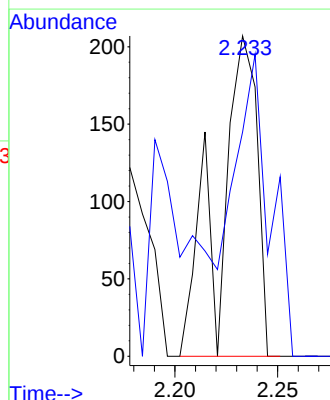
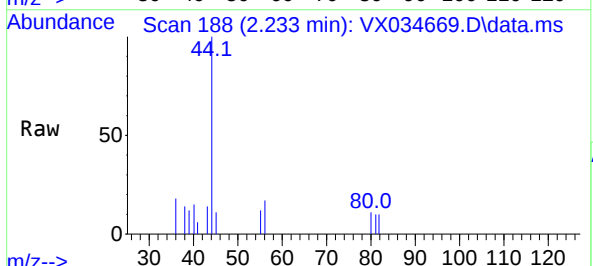
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

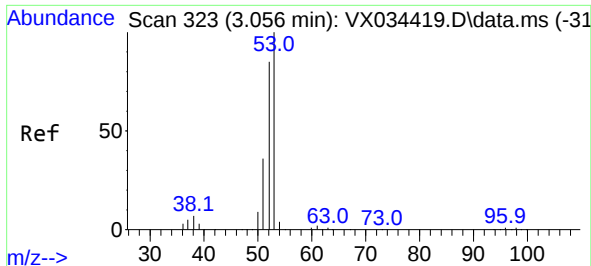
Tgt Ion: 59 Resp: 1506
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 0.446 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

Tgt Ion: 56 Resp: 267
Ion Ratio Lower Upper
56 100
55 86.1 56.6 85.0#

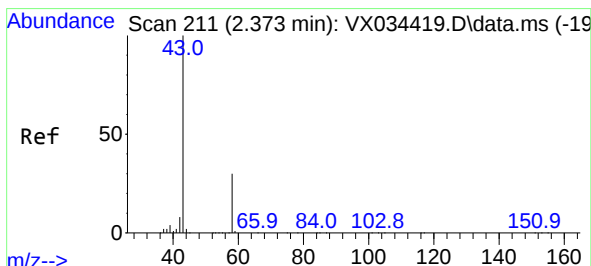
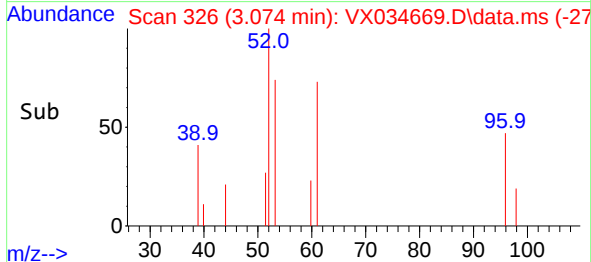
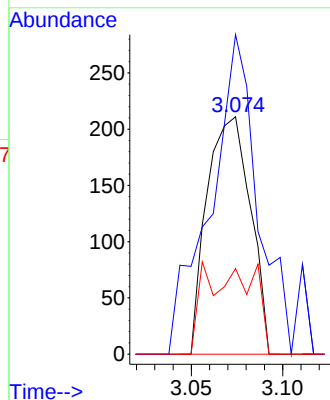
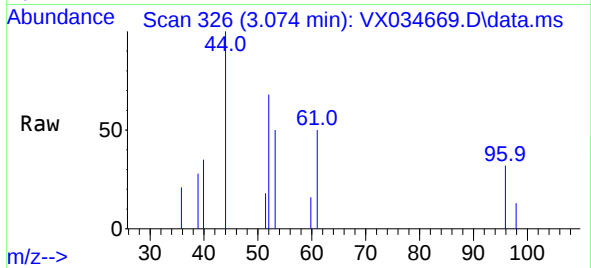




#15
Acrylonitrile
Concen: 0.214 ug/l
RT: 3.074 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

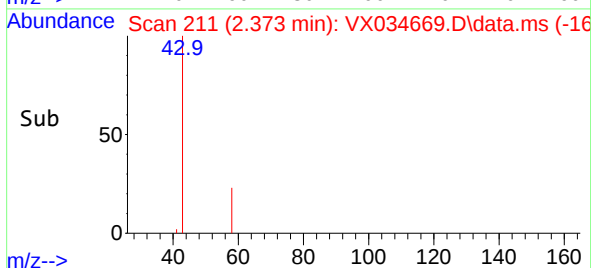
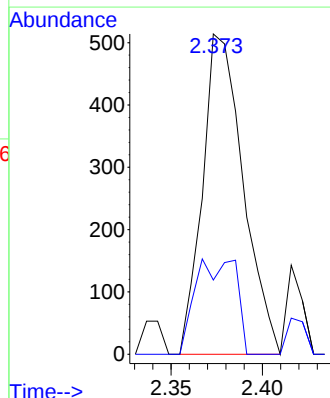
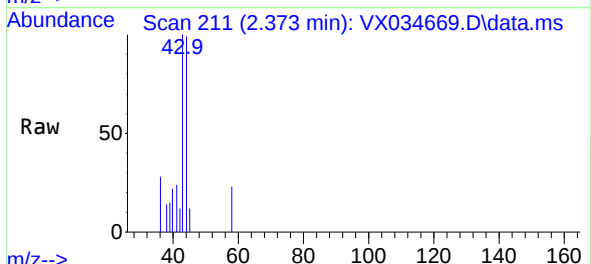
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

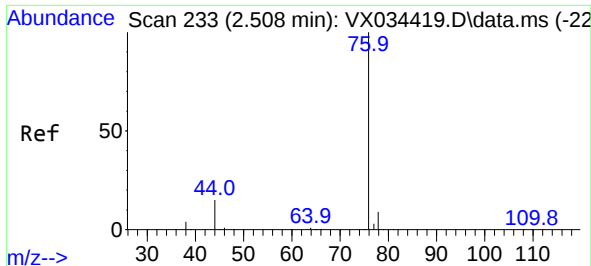
Tgt Ion: 53 Resp: 349
Ion Ratio Lower Upper
53 100
52 154.7 66.2 99.2#
51 20.3 28.3 42.5#



#16
Acetone
Concen: 0.466 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

Tgt Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
58 23.2 24.7 37.1#

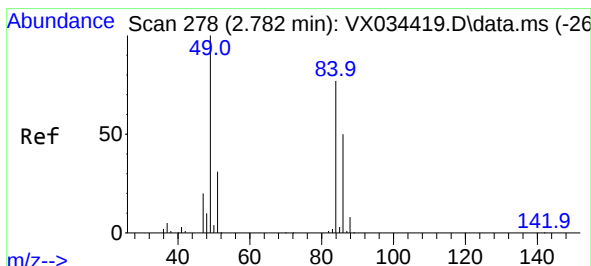
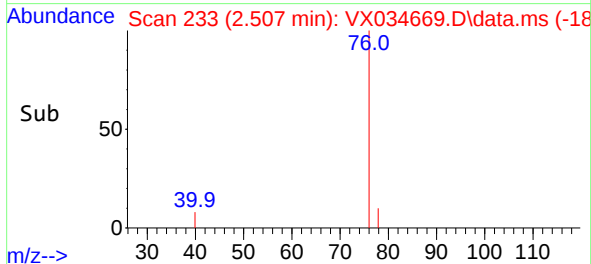
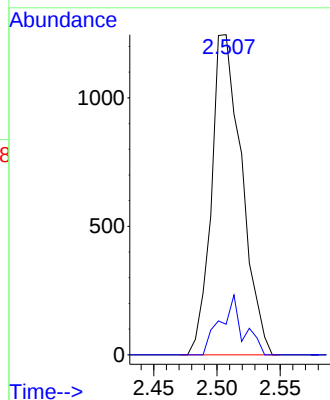
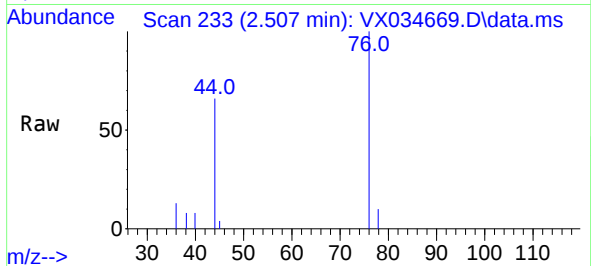




#17
Carbon Disulfide
Concen: 0.271 ug/l
RT: 2.507 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

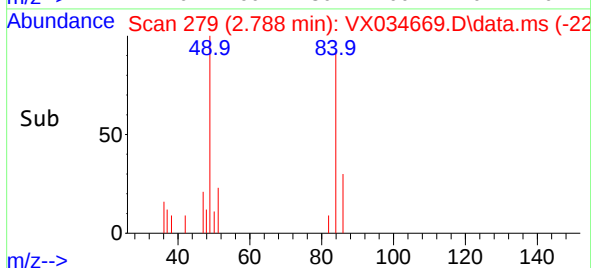
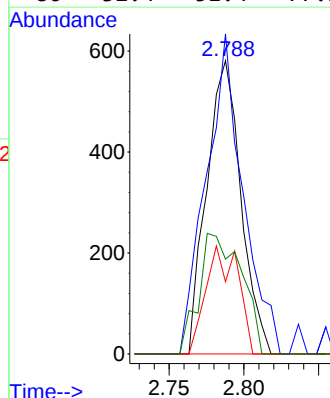
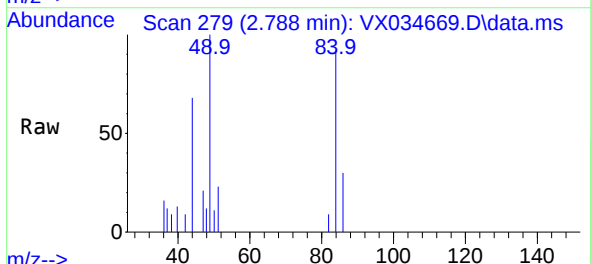
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

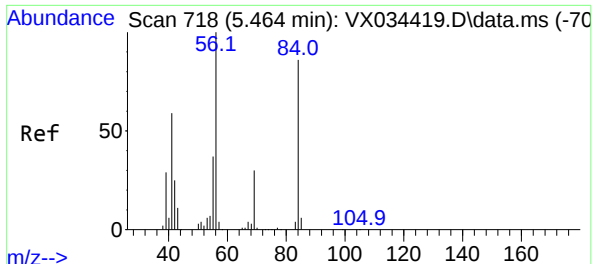
Tgt Ion: 76 Resp: 2081
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#20
Methylene Chloride
Concen: 0.278 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

Tgt Ion: 84 Resp: 924
Ion Ratio Lower Upper
84 100
49 109.1 103.8 155.8
51 24.6 31.8 47.8#
86 32.4 51.4 77.2#

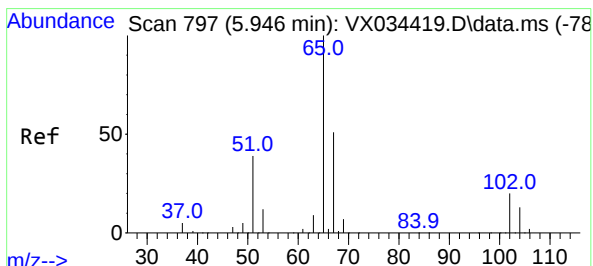
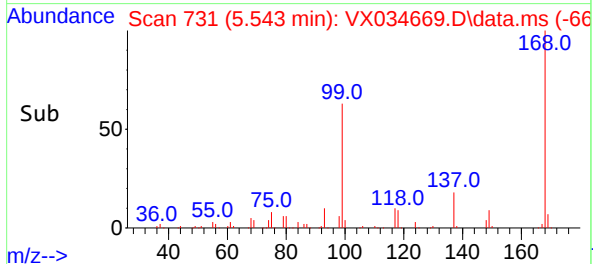
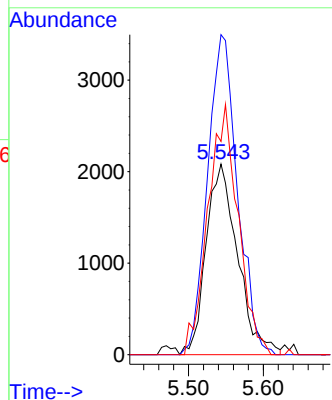
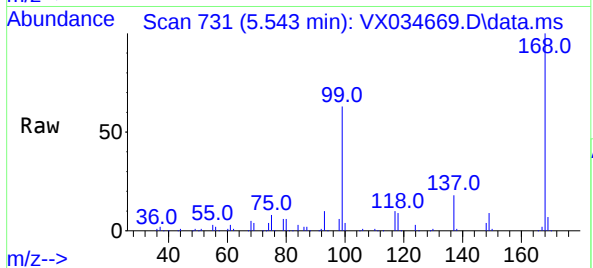




#31
Cyclohexane
Concen: 1.198 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

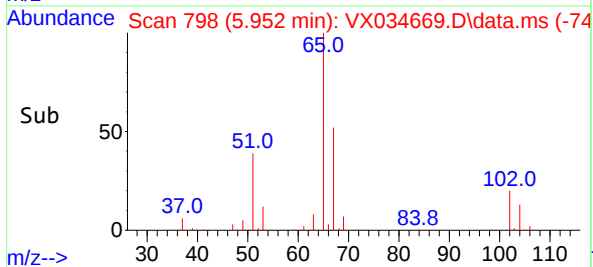
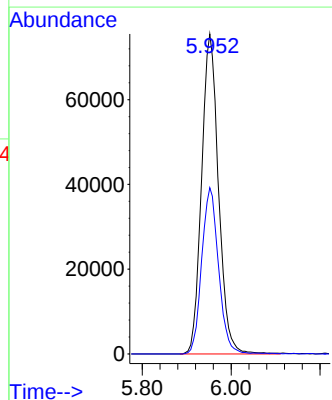
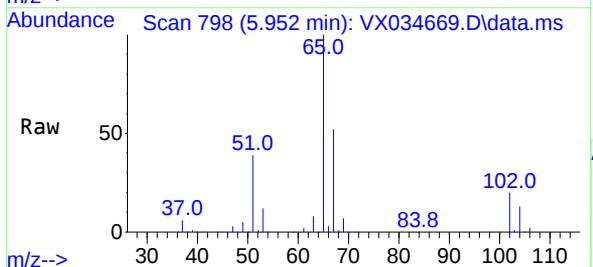
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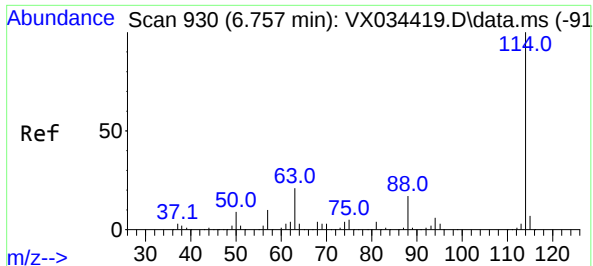
Tgt Ion: 56 Resp: 6099
Ion Ratio Lower Upper
56 100
69 168.0 23.7 35.5#
84 111.9 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 55.151 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

Tgt Ion: 65 Resp: 200219
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.0

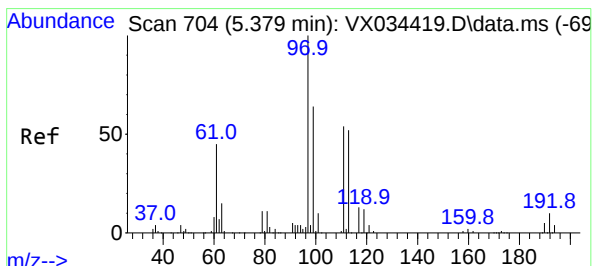
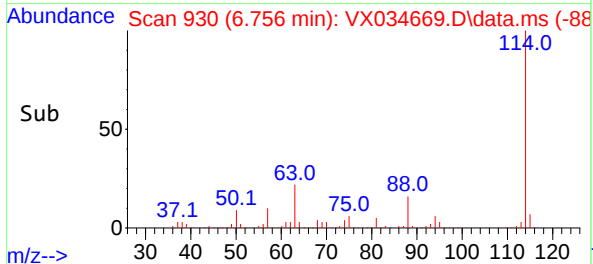
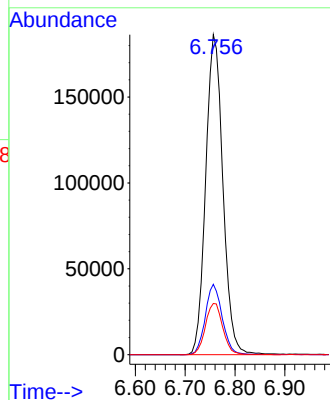
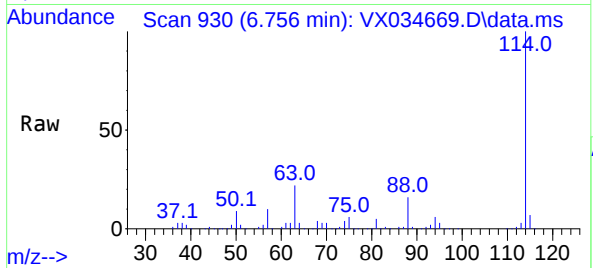




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.756 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

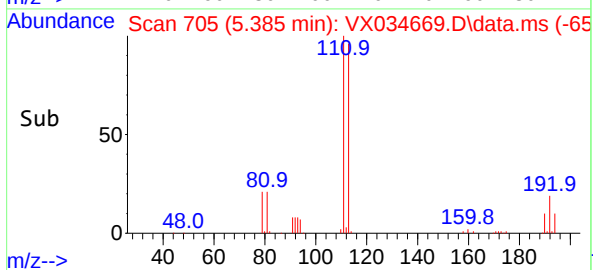
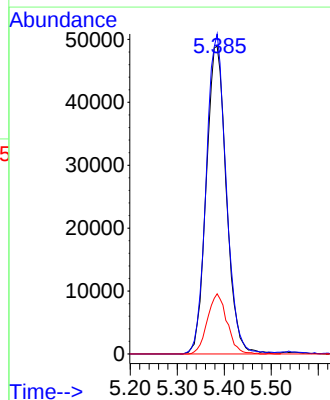
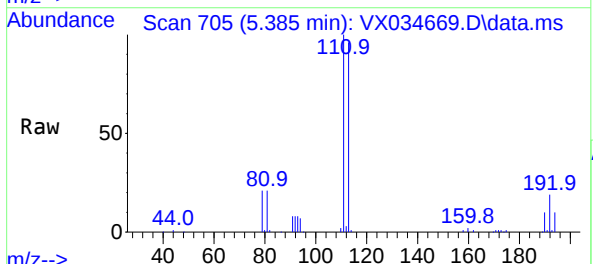
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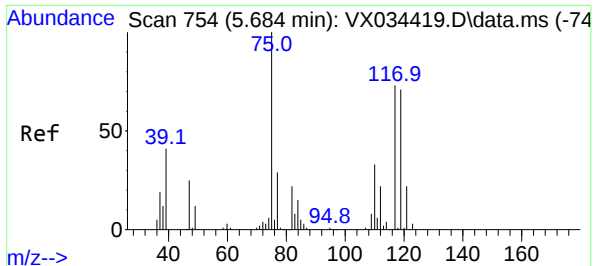
Tgt Ion:114 Resp: 446871
Ion Ratio Lower Upper
114 100
63 22.0 0.0 42.2
88 16.0 0.0 33.2



#35
Dibromofluoromethane
Concen: 49.150 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

Tgt Ion:113 Resp: 145014
Ion Ratio Lower Upper
113 100
111 103.1 83.7 125.5
192 19.1 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.613 ug/l

RT: 5.537 min Scan# 71

Delta R.T. -0.147 min

Lab File: VX034669.D

Acq: 22 Mar 2023 13:45

Instrument :

MSVOA_X

ClientSampleId :

VIBLK

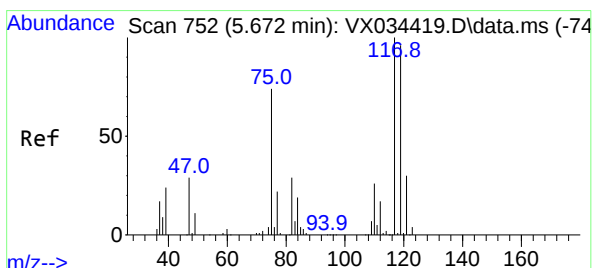
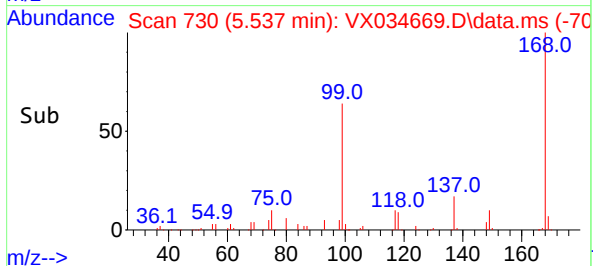
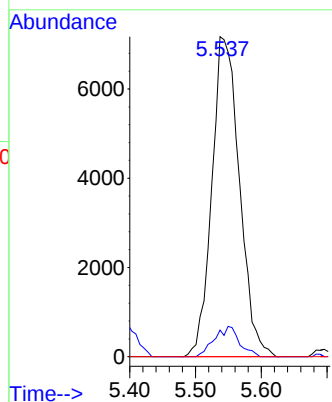
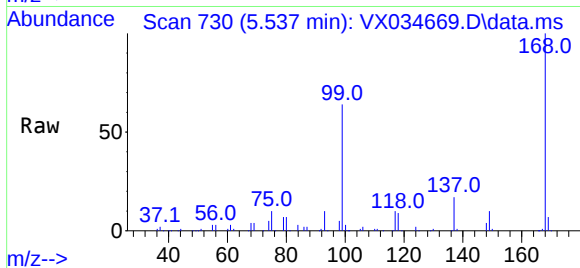
Tgt Ion: 75 Resp: 20904

Ion Ratio Lower Upper

75 100

110 8.5 17.5 52.5#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.592 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX034669.D

Acq: 22 Mar 2023 13:45

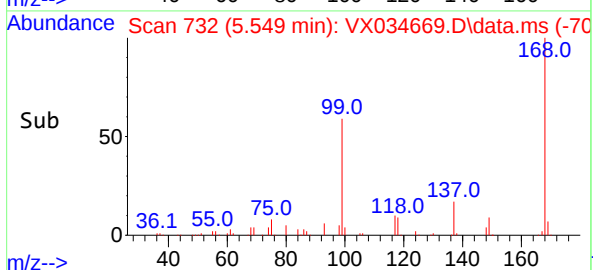
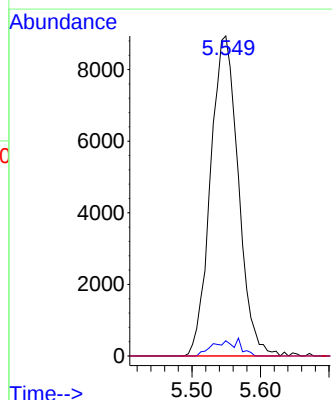
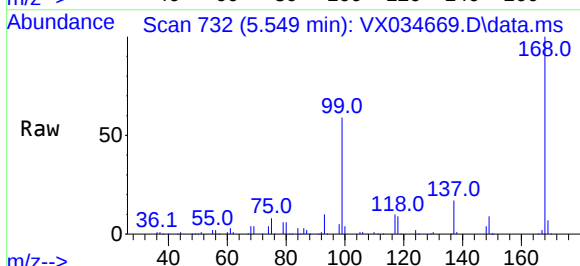
Tgt Ion: 117 Resp: 25209

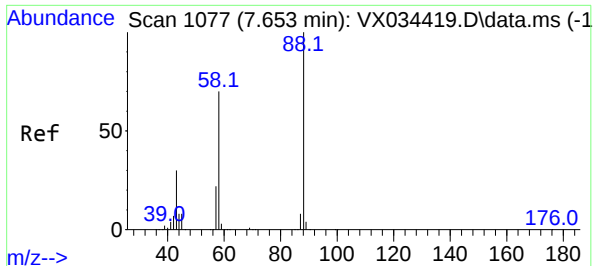
Ion Ratio Lower Upper

117 100

119 4.7 76.6 114.8#

121 0.0 23.8 35.6#





#49

1,4-Dioxane

Concen: 0.248 ug/l

RT: 7.665 min Scan# 1077

Delta R.T. 0.012 min

Lab File: VX034669.D

Acq: 22 Mar 2023 13:45

Instrument :

MSVOA_X

ClientSampleId :

VIBLK

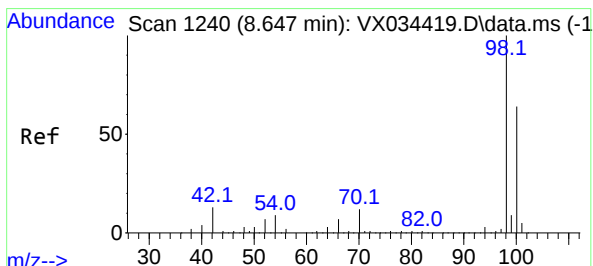
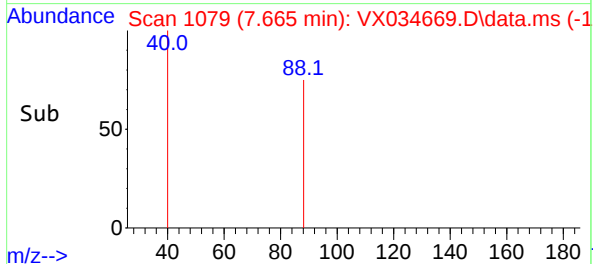
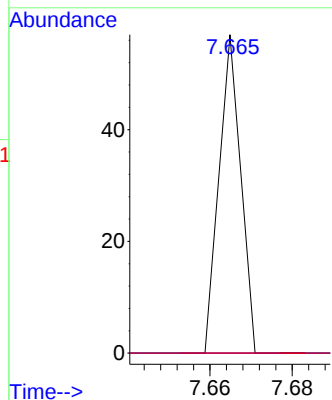
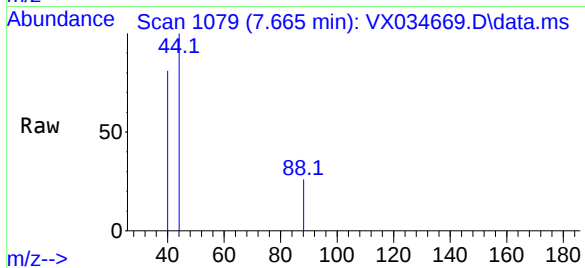
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 48.184 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034669.D

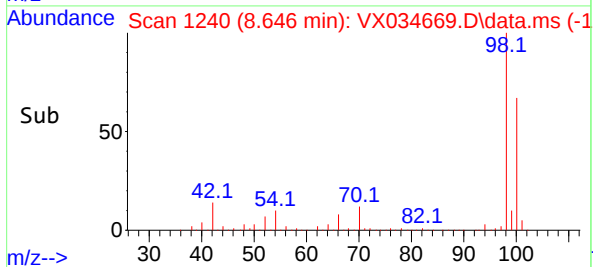
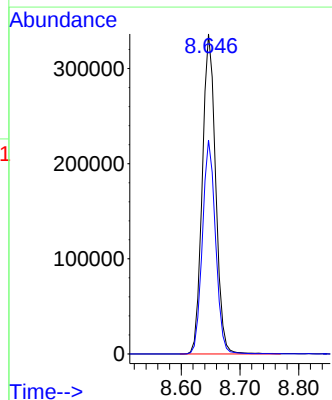
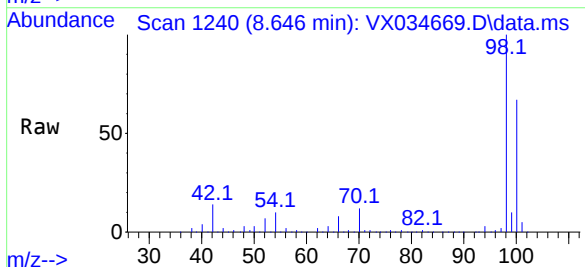
Acq: 22 Mar 2023 13:45

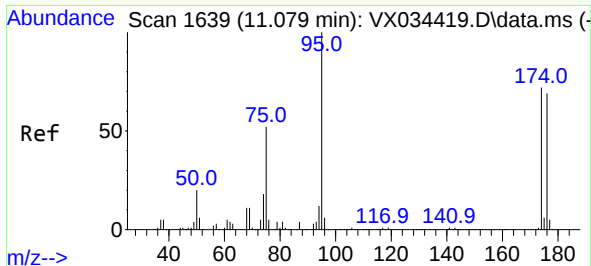
Tgt Ion: 98 Resp: 530711

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7

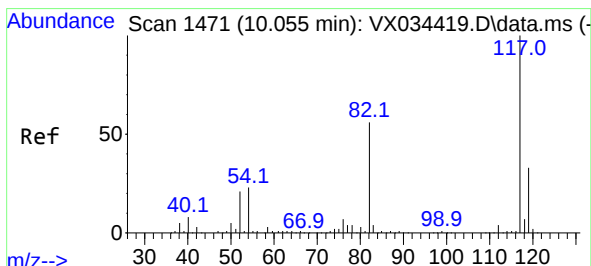
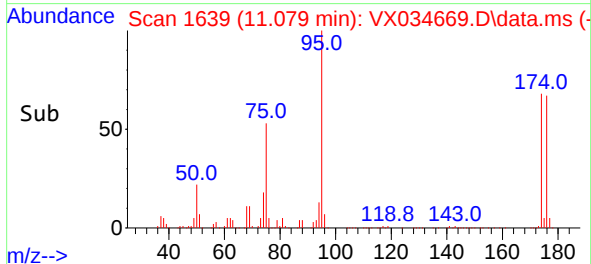
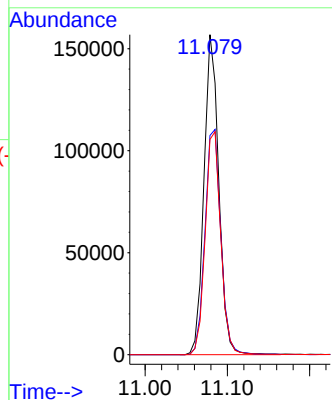
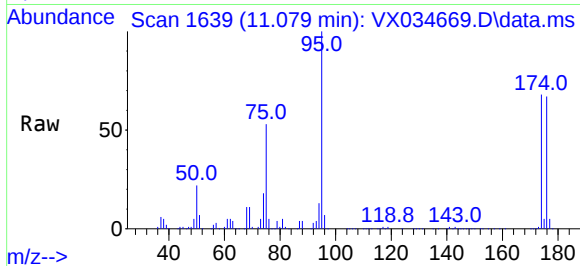




#62
4-Bromofluorobenzene
Concen: 44.155 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

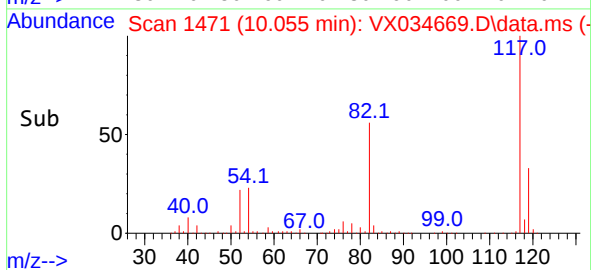
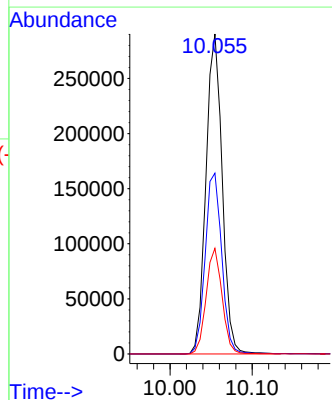
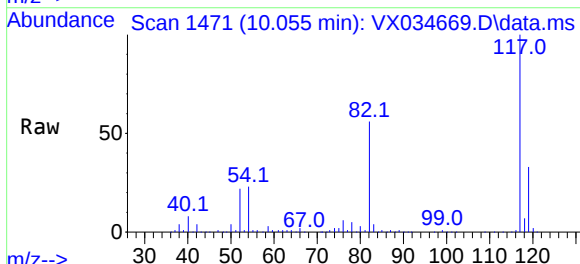
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

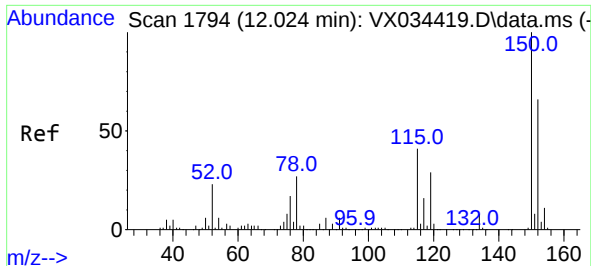
Tgt Ion: 95 Resp: 196441
Ion Ratio Lower Upper
95 100
174 75.3 0.0 147.4
176 73.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

Tgt Ion: 117 Resp: 398657
Ion Ratio Lower Upper
117 100
82 56.5 45.0 67.4
119 33.0 26.0 39.0

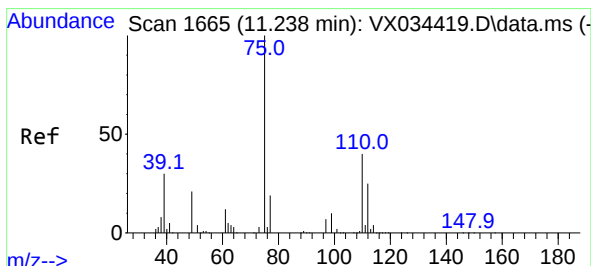
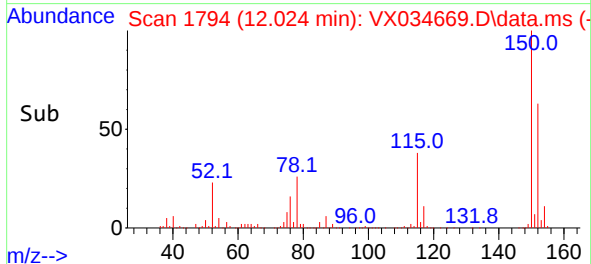
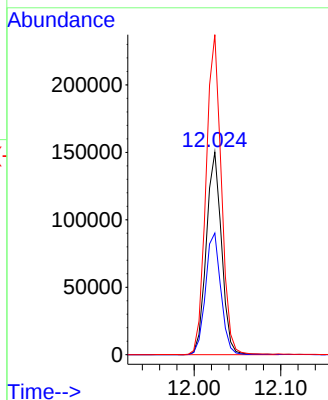
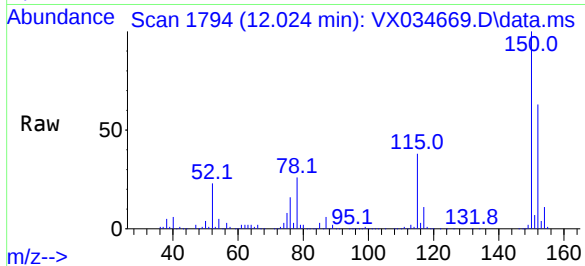




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

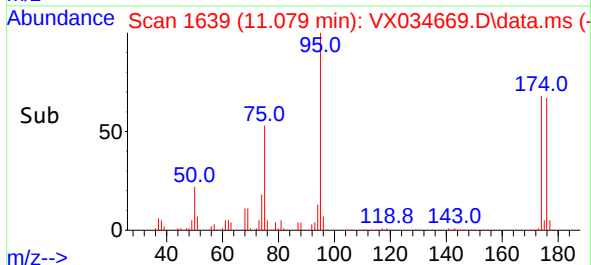
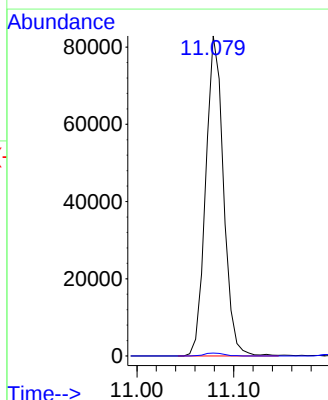
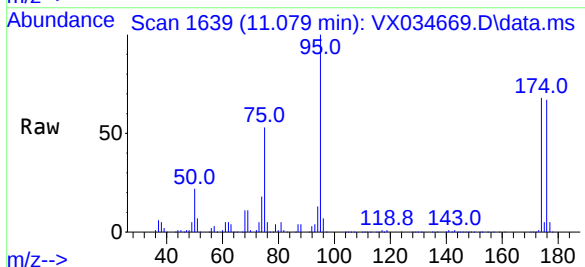
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

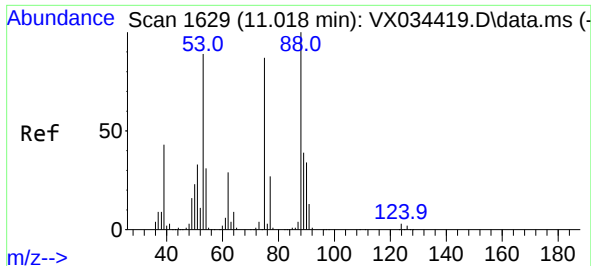
Tgt Ion:152 Resp: 183455
Ion Ratio Lower Upper
152 100
115 60.8 45.0 135.0
150 158.8 0.0 352.4



#76
1,2,3-Trichloropropane
Concen: 25.205 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

Tgt Ion: 75 Resp: 106173
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#

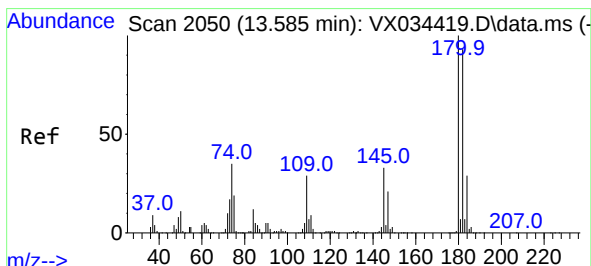
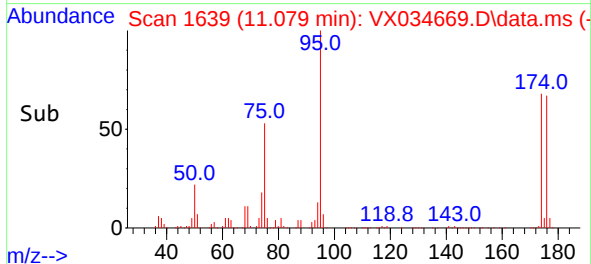
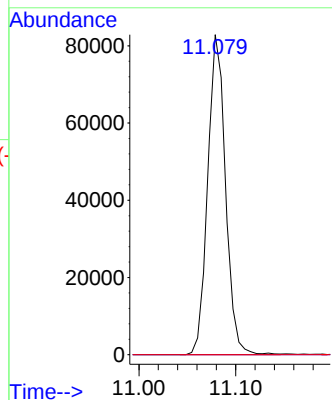
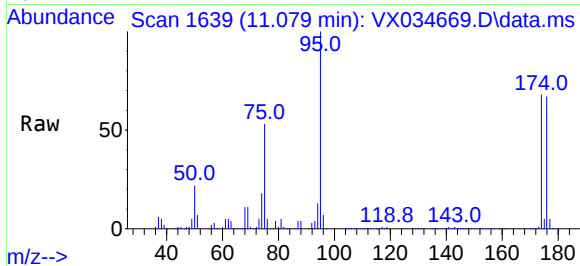




#81
trans-1,4-Dichloro-2-butene
Concen: 68.188 ug/l
RT: 11.079 min Scan# 106173
Delta R.T. 0.061 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

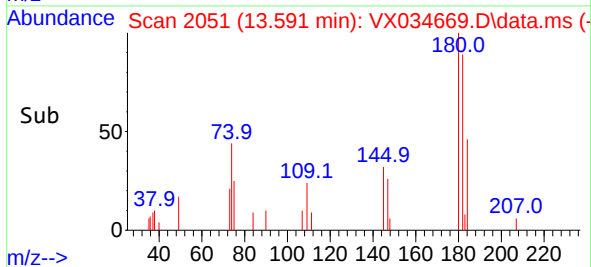
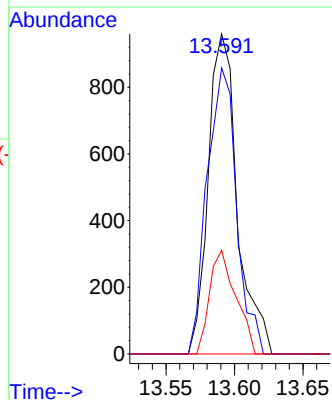
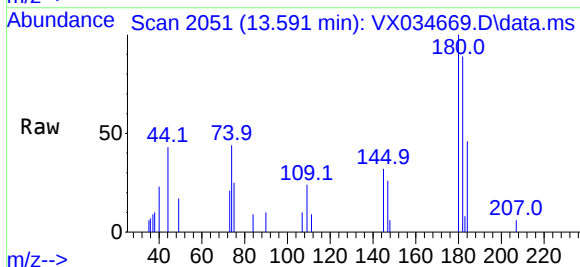
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

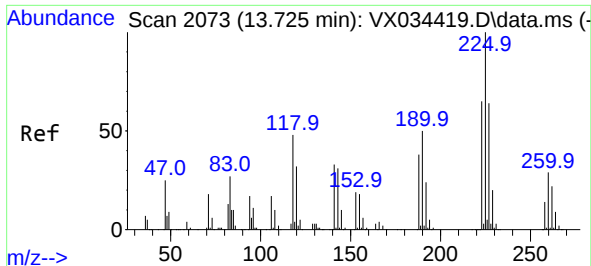
Tgt Ion: 75 Resp: 106173
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.351 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

Tgt Ion:180 Resp: 1415
Ion Ratio Lower Upper
180 100
182 90.6 47.0 141.0
145 29.3 15.9 47.7

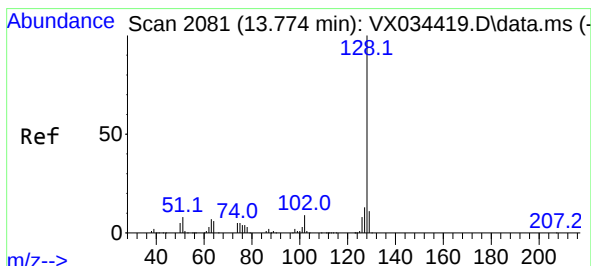
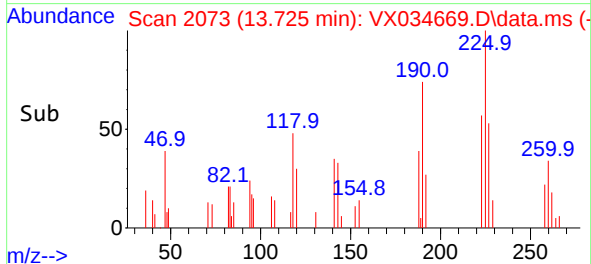
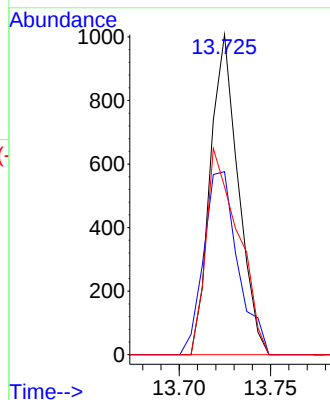
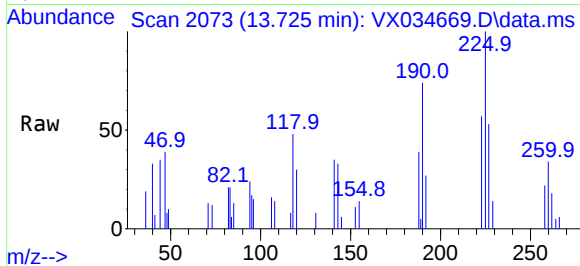




#94
Hexachlorobutadiene
Concen: 0.662 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

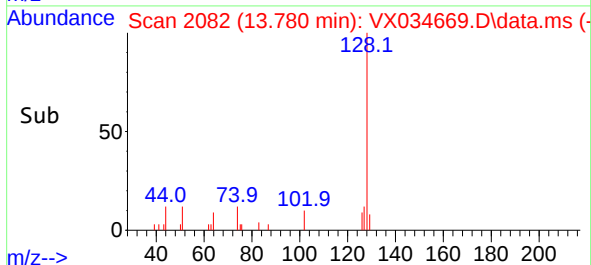
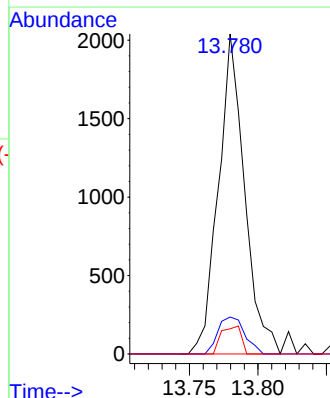
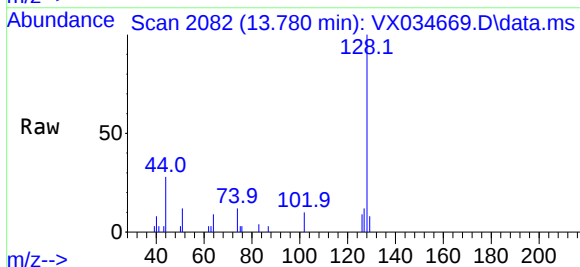
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

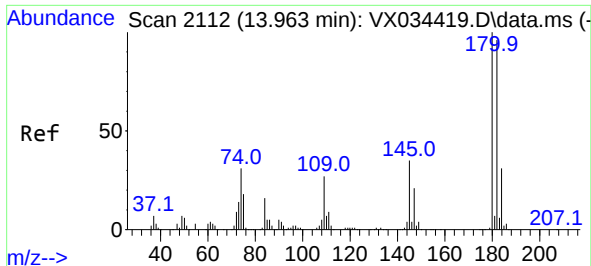
Tgt Ion:	225	Resp:	1074
Ion	Ratio	Lower	Upper
225	100		
223	70.1	32.1	96.5
227	74.8	31.8	95.4



#95
Naphthalene
Concen: 0.200 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034669.D
Acq: 22 Mar 2023 13:45

Tgt Ion:	128	Resp:	2707
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.4
129	6.6	8.6	13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.311 ug/l

RT: 13.969 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX034669.D

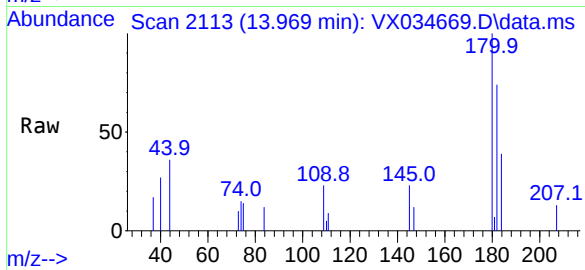
Acq: 22 Mar 2023 13:45

Instrument :

MSVOA_X

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 1225

Ion Ratio Lower Upper

180 100

182 98.4 48.0 144.2

145 39.9 17.7 53.1

