

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040224\
 Data File : VV034934.D
 Acq On : 02 Apr 2024 16:22
 Operator : SY/MD
 Sample : P1925-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-4(20240326)

Quant Time: Apr 03 05:21:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 03 05:08:19 2024
 Response via : Initial Calibration

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

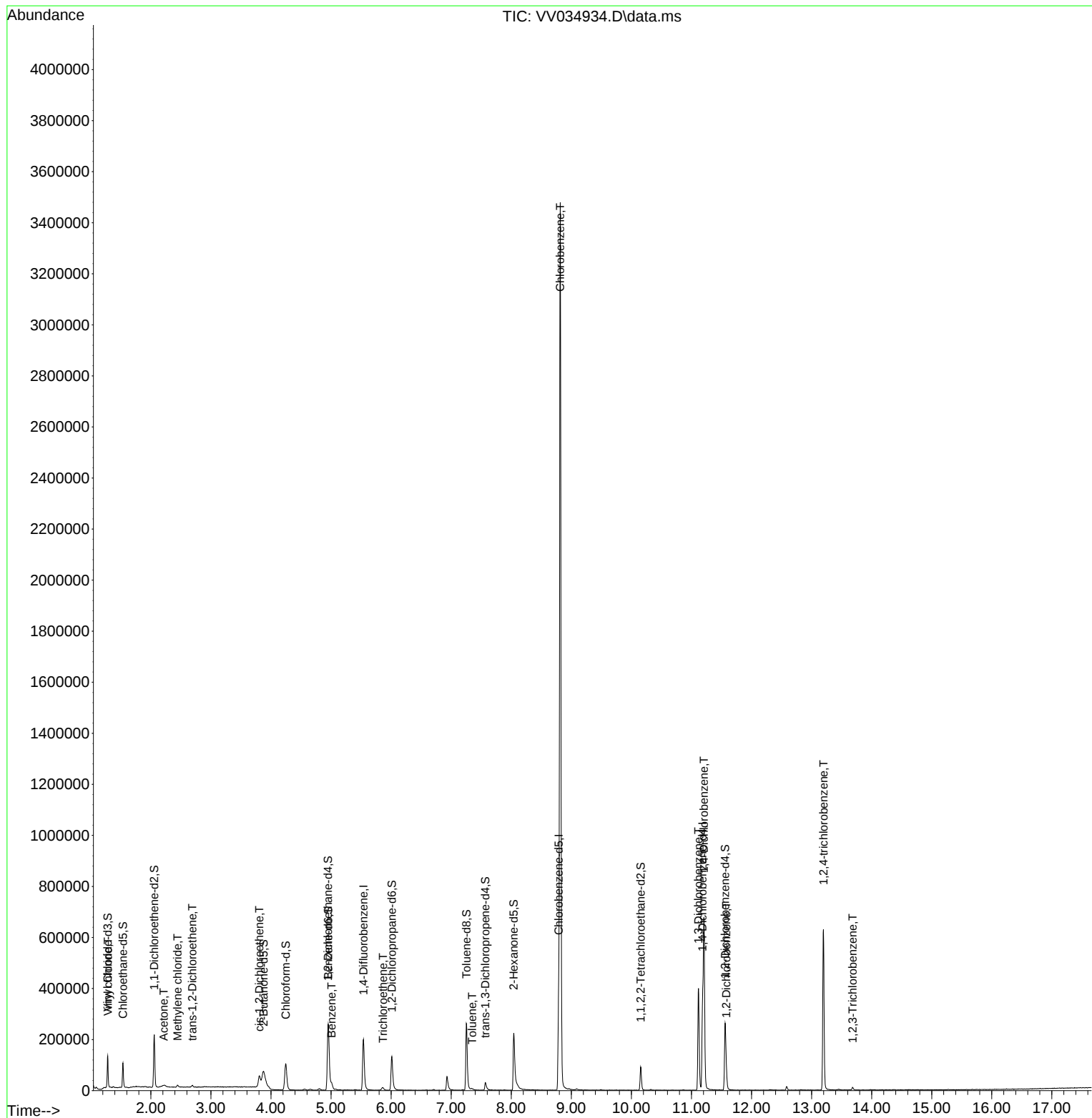
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	169017	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	164403	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	78570	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	72763	5.224	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.400%
7) Chloroethane-d5	1.536	69	59891	5.215	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.400%
11) 1,1-Dichloroethene-d2	2.057	65	35164	5.558	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.200%
20) 2-Butanone-d5	3.876	46	163668	75.096	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	150.200%#
24) Chloroform-d	4.246	84	108232	4.802	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	4.950	65	52850	5.192	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.800%
32) Benzene-d6	4.953	84	218524	5.081	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
36) 1,2-Dichloropropane-d6	6.011	67	66119	5.238	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.800%
41) Toluene-d8	7.252	98	180795	4.628	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	7.568	79	20422	4.555	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.040	63	77439	50.321	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.640%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	44209	5.020	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	11.561	152	62277	5.032	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
5) Vinyl chloride	1.285	62	3046	0.181	ug/L #	45
13) Acetone	2.217	43	19071	11.995	ug/L	75
16) Methylene chloride	2.446	84	2992	0.213	ug/L	98
18) trans-1,2-Dichloroethene	2.690	96	2303	0.181	ug/L	83
22) cis-1,2-Dichloroethene	3.806	96	20708	1.555	ug/L	92
33) Benzene	5.008	78	26582	0.528	ug/L	100
34) Trichloroethene	5.863	95	4071	0.310	ug/L	93
42) Toluene	7.349	91	4774	0.090	ug/L	95
51) Chlorobenzene	8.815	112	1733739	50.722	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	158173	6.311	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	250806	9.992	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	24725	1.068	ug/L	94
70) 1,2,4-trichlorobenzene	13.198	180	182629	12.494	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	3192	0.248	ug/L #	90

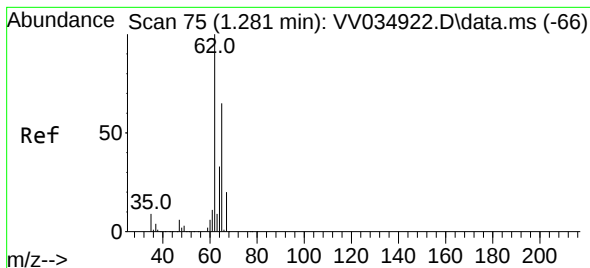
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 03 05:08:19 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.181 ug/L

RT: 1.285 min Scan# 7

Delta R.T. 0.003 min

Lab File: VV034934.D

Acq: 02 Apr 2024 16:22

Instrument :

MSVOA_V

ClientSampleId :

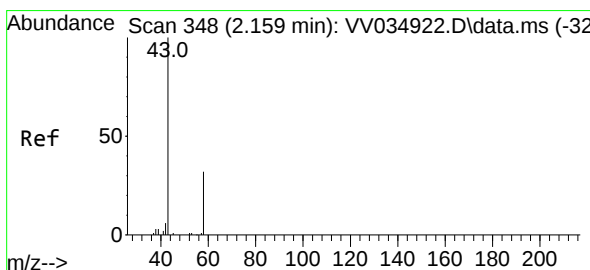
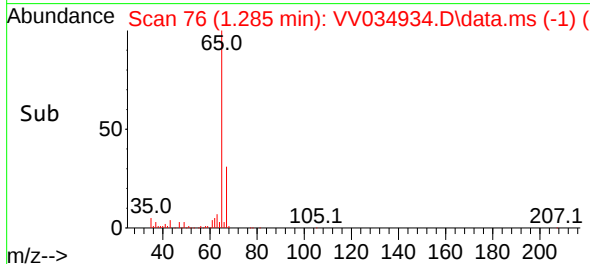
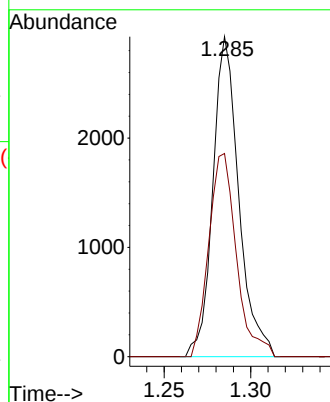
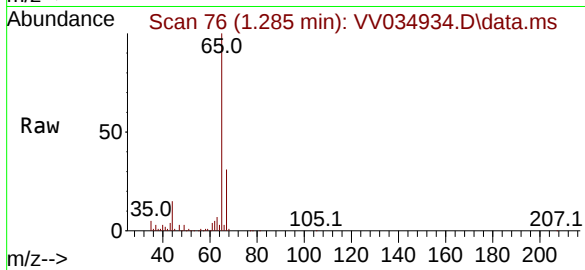
PMW-4(20240326)

Tgt Ion: 62 Resp: 3046

Ion Ratio Lower Upper

62 100

64 63.5 22.9 42.5#



#13

Acetone

Concen: 11.995 ug/L

RT: 2.217 min Scan# 366

Delta R.T. 0.058 min

Lab File: VV034934.D

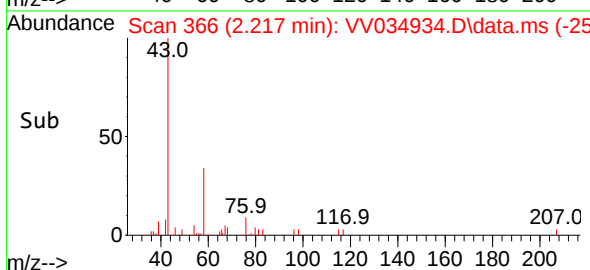
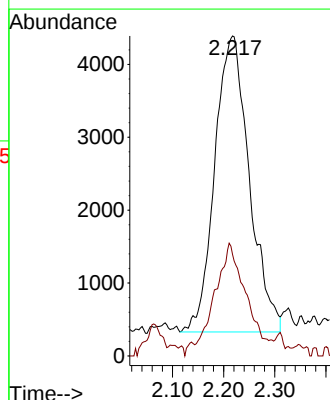
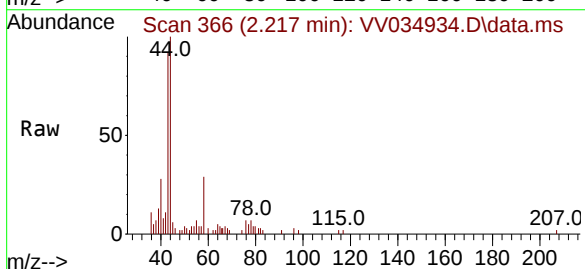
Acq: 02 Apr 2024 16:22

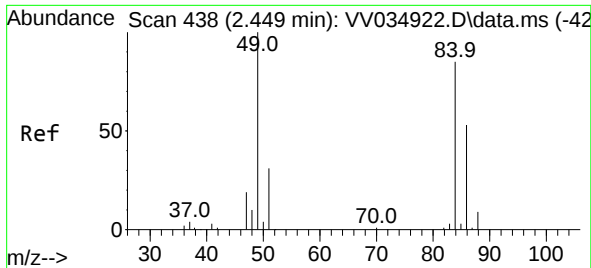
Tgt Ion: 43 Resp: 19071

Ion Ratio Lower Upper

43 100

58 31.9 0.0 40.8





#16

Methylene chloride

Concen: 0.213 ug/L

RT: 2.446 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV034934.D

Acq: 02 Apr 2024 16:22

Instrument :

MSVOA_V

ClientSampleId :

PMW-4(20240326)

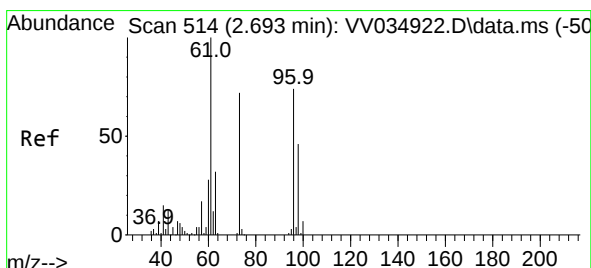
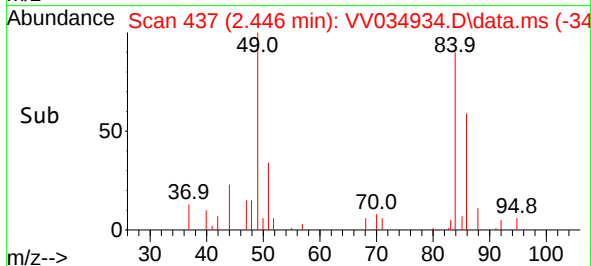
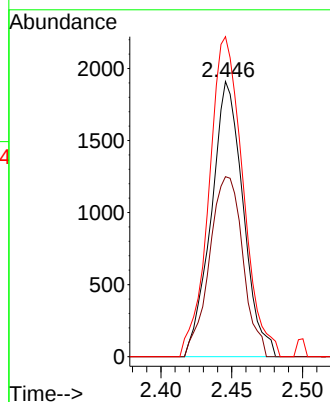
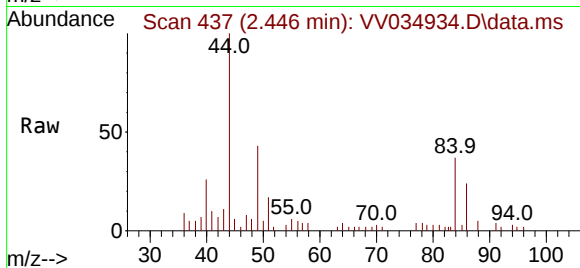
Tgt Ion: 84 Resp: 2992

Ion Ratio Lower Upper

84 100

86 65.4 43.5 80.9

49 116.3 82.5 153.3



#18

trans-1,2-Dichloroethene

Concen: 0.181 ug/L

RT: 2.690 min Scan# 513

Delta R.T. -0.003 min

Lab File: VV034934.D

Acq: 02 Apr 2024 16:22

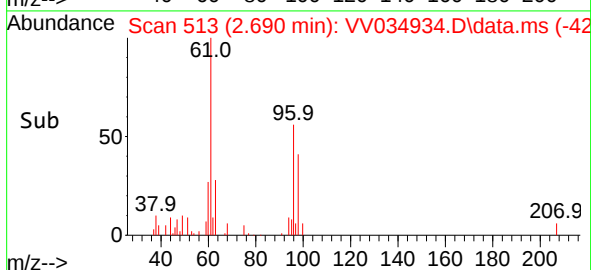
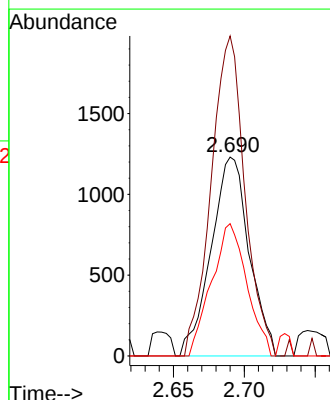
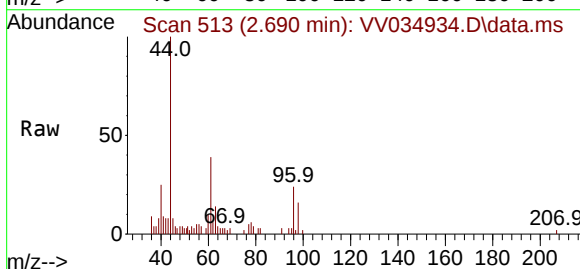
Tgt Ion: 96 Resp: 2303

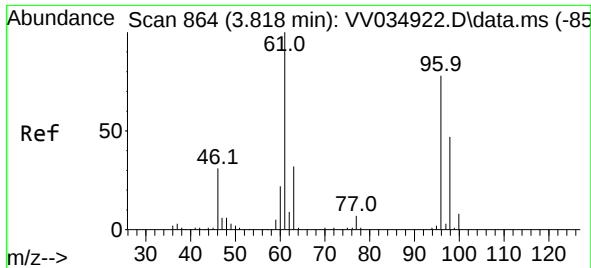
Ion Ratio Lower Upper

96 100

61 160.8 94.5 175.5

98 66.5 43.5 80.9





#22

cis-1,2-Dichloroethene

Concen: 1.555 ug/L

RT: 3.806 min Scan# 864

Delta R.T. -0.013 min

Lab File: VV034934.D

Acq: 02 Apr 2024 16:22

Instrument :

MSVOA_V

ClientSampleId :

PMW-4(20240326)

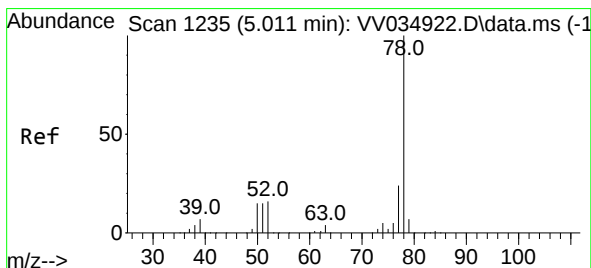
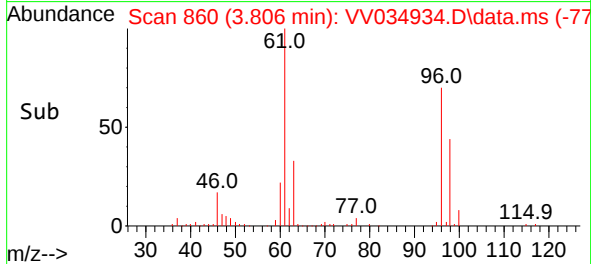
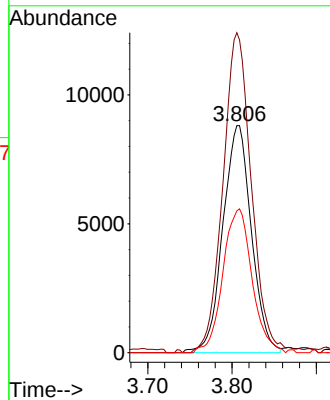
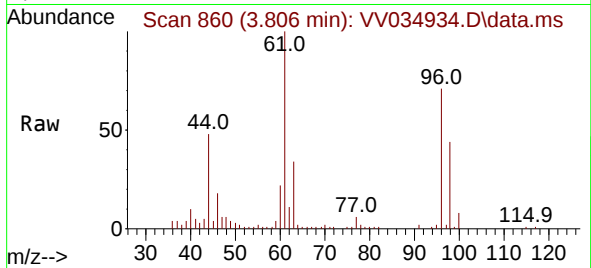
Tgt Ion: 96 Resp: 20708

Ion Ratio Lower Upper

96 100

61 140.9 90.3 167.7

98 62.4 42.7 79.3



#33

Benzene

Concen: 0.528 ug/L

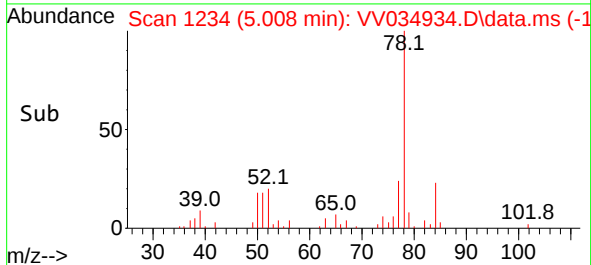
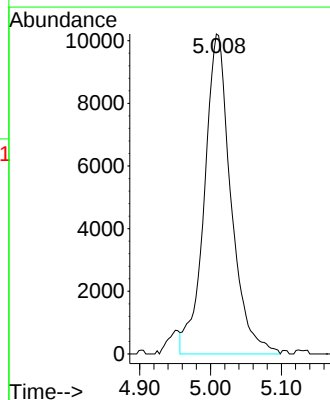
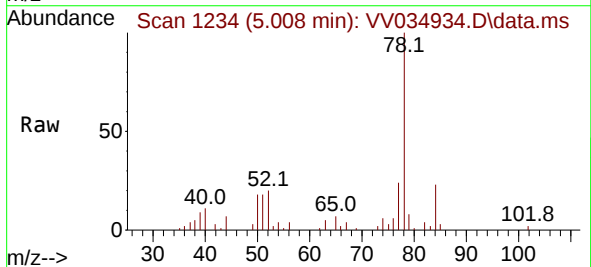
RT: 5.008 min Scan# 1234

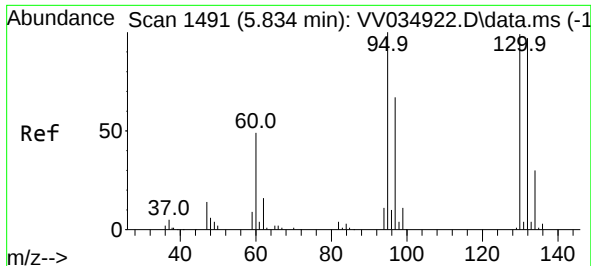
Delta R.T. -0.003 min

Lab File: VV034934.D

Acq: 02 Apr 2024 16:22

Tgt Ion: 78 Resp: 26582



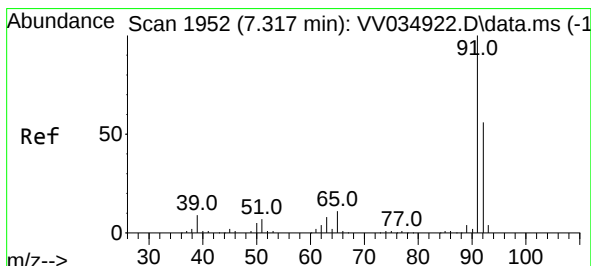
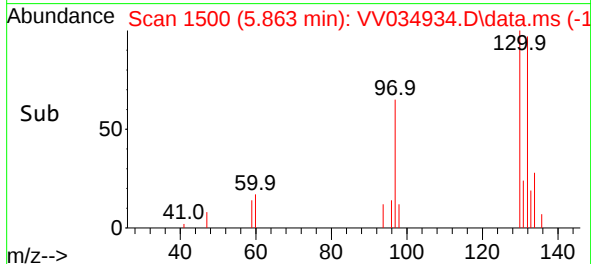
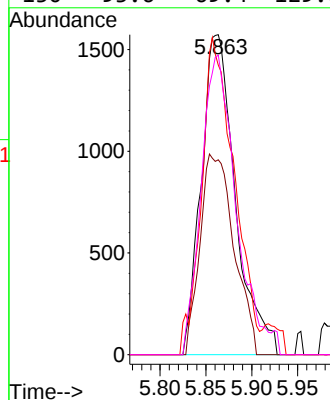
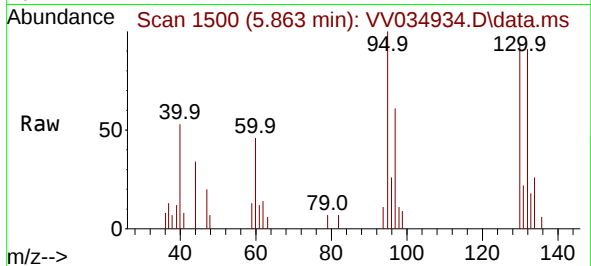


#34
Trichloroethene
Concen: 0.310 ug/L
RT: 5.863 min Scan# 11
Delta R.T. 0.029 min
Lab File: VV034934.D
Acq: 02 Apr 2024 16:22

Instrument :
MSVOA_V
ClientSampleId :
PMW-4(20240326)

Tgt Ion: 95 Resp: 4071

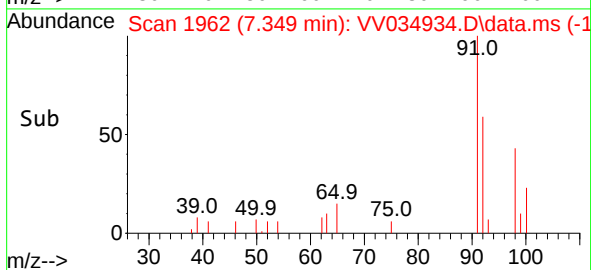
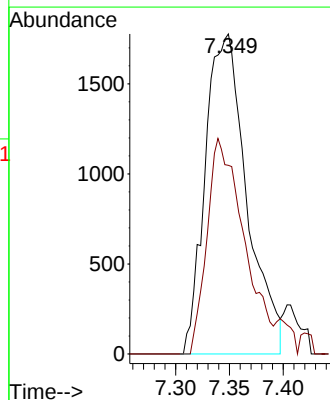
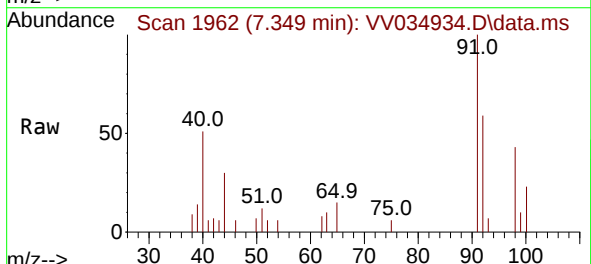
Ion	Ratio	Lower	Upper
95	100		
97	60.9	46.8	86.8
132	90.5	68.0	126.4
130	93.6	69.4	129.0

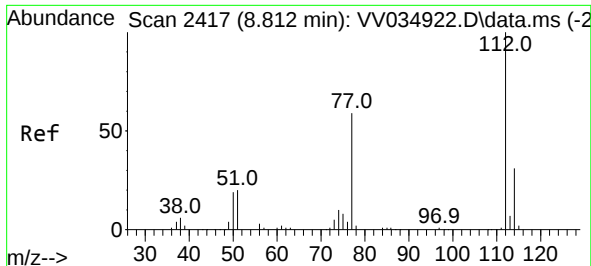


#42
Toluene
Concen: 0.090 ug/L
RT: 7.349 min Scan# 1962
Delta R.T. 0.032 min
Lab File: VV034934.D
Acq: 02 Apr 2024 16:22

Tgt Ion: 91 Resp: 4774

Ion	Ratio	Lower	Upper
91	100		
92	59.0	38.9	72.2

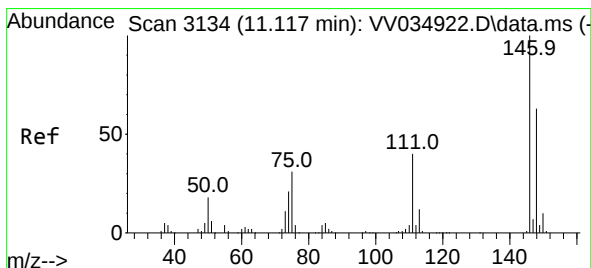
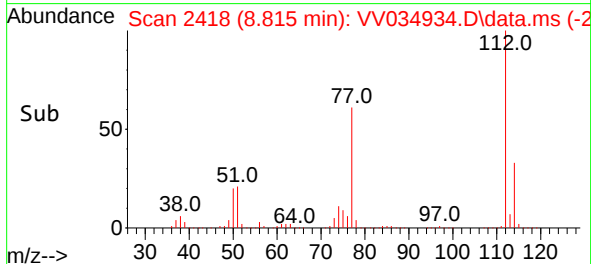
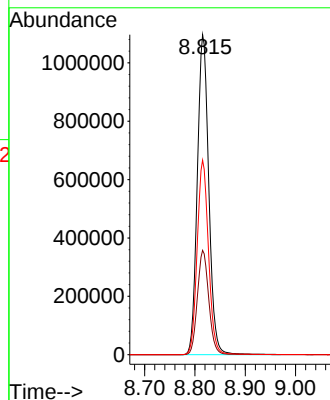
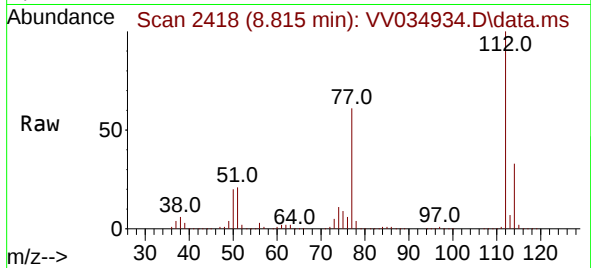




#51
Chlorobenzene
Concen: 50.722 ug/L
RT: 8.815 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV034934.D
Acq: 02 Apr 2024 16:22

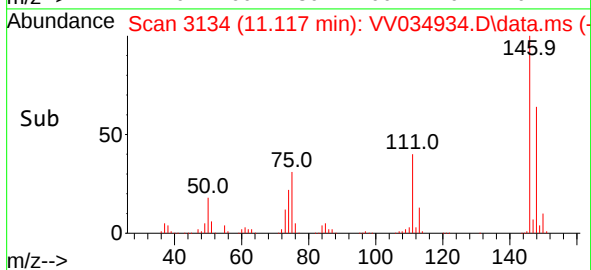
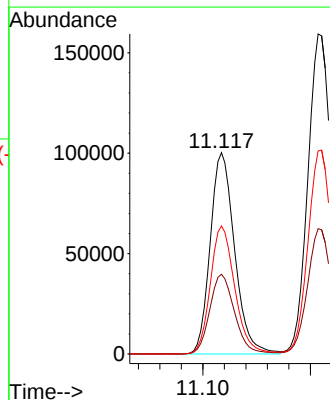
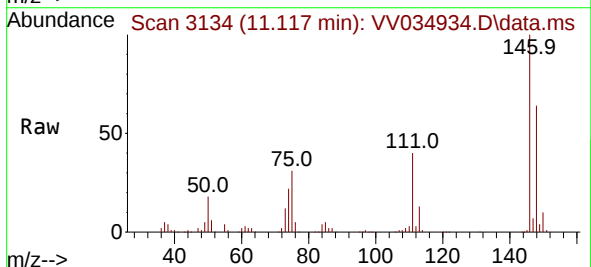
Instrument :
MSVOA_V
ClientSampleId :
PMW-4(20240326)

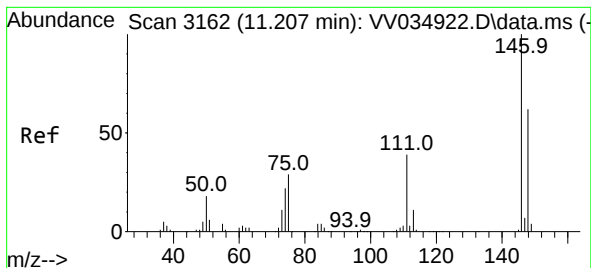
Tgt Ion:112 Resp: 1733739
Ion Ratio Lower Upper
112 100
114 32.6 21.9 40.7
77 60.8 47.4 71.2



#64
1,3-Dichlorobenzene
Concen: 6.311 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV034934.D
Acq: 02 Apr 2024 16:22

Tgt Ion:146 Resp: 158173
Ion Ratio Lower Upper
146 100
111 39.6 27.7 51.5
148 63.6 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 9.992 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034934.D

Acq: 02 Apr 2024 16:22

Instrument :

MSVOA_V

ClientSampleId :

PMW-4(20240326)

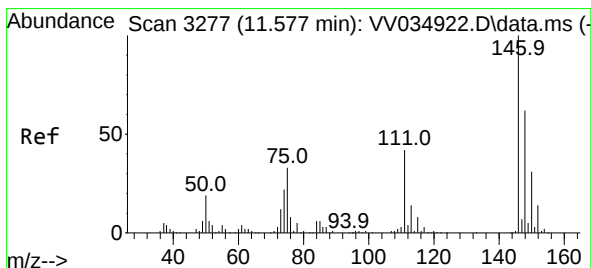
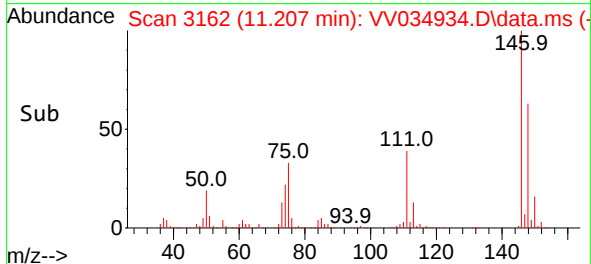
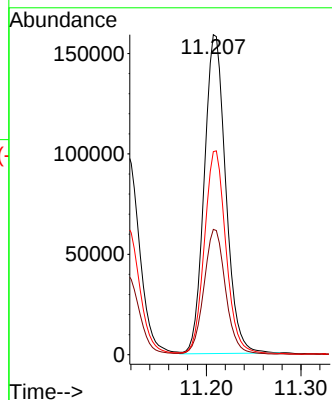
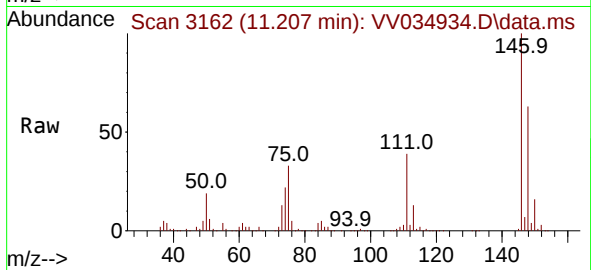
Tgt Ion:146 Resp: 250806

Ion Ratio Lower Upper

146 100

111 39.1 27.3 50.7

148 63.4 43.5 80.7



#67

1,2-Dichlorobenzene

Concen: 1.068 ug/L

RT: 11.580 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VV034934.D

Acq: 02 Apr 2024 16:22

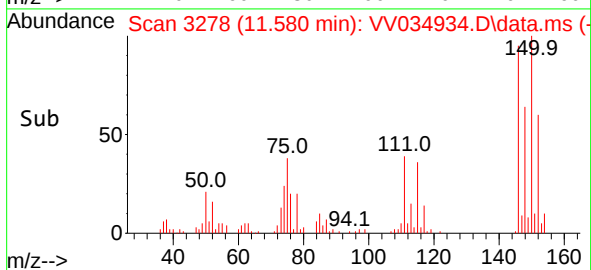
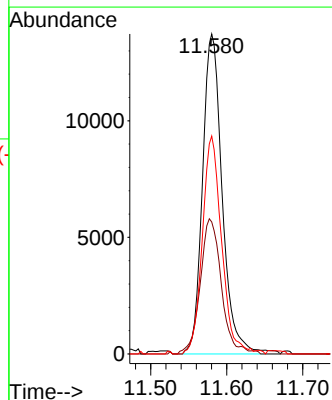
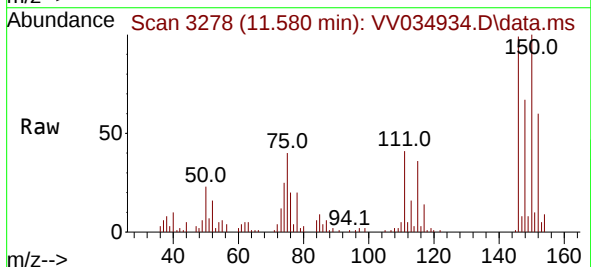
Tgt Ion:146 Resp: 24725

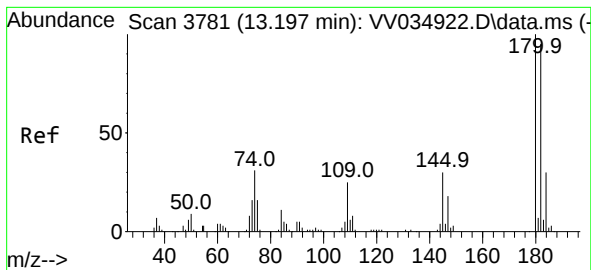
Ion Ratio Lower Upper

146 100

111 41.2 33.9 50.9

148 68.1 49.3 73.9





#70

1,2,4-trichlorobenzene

Concen: 12.494 ug/L

RT: 13.198 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV034934.D

Acq: 02 Apr 2024 16:22

Instrument :

MSVOA_V

ClientSampleId :

PMW-4(20240326)

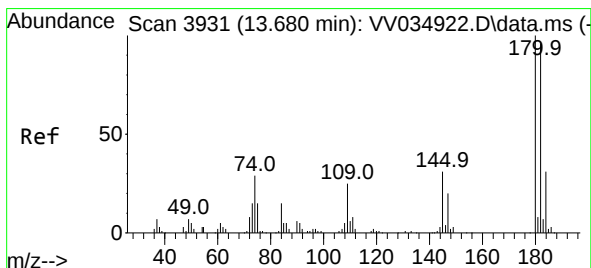
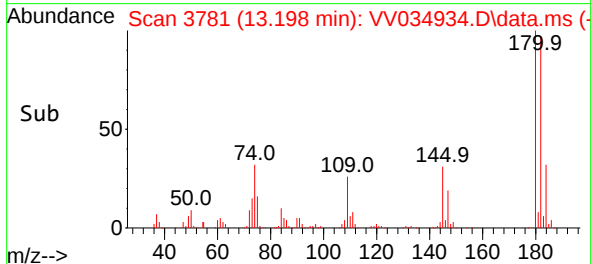
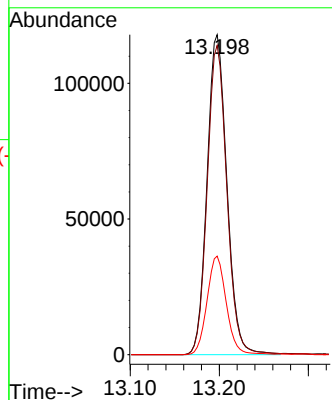
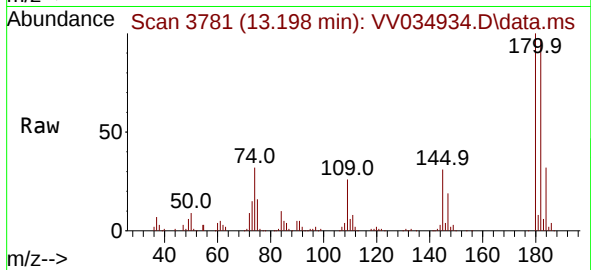
Tgt Ion:180 Resp: 182629

Ion Ratio Lower Upper

180 100

182 95.7 75.3 112.9

145 29.9 23.4 35.0



#72

1,2,3-Trichlorobenzene

Concen: 0.248 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV034934.D

Acq: 02 Apr 2024 16:22

Tgt Ion:180 Resp: 3192

Ion Ratio Lower Upper

180 100

182 101.5 77.0 115.4

145 45.1 25.4 38.2#

