

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091625\
 Data File : VV039109.D
 Acq On : 16 Sep 2025 15:59
 Operator : SY/MD
 Sample : Q3084-07DL 2X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-3(20250910)DL

Quant Time: Sep 17 02:24:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 17 02:19:46 2025
 Response via : Initial Calibration

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

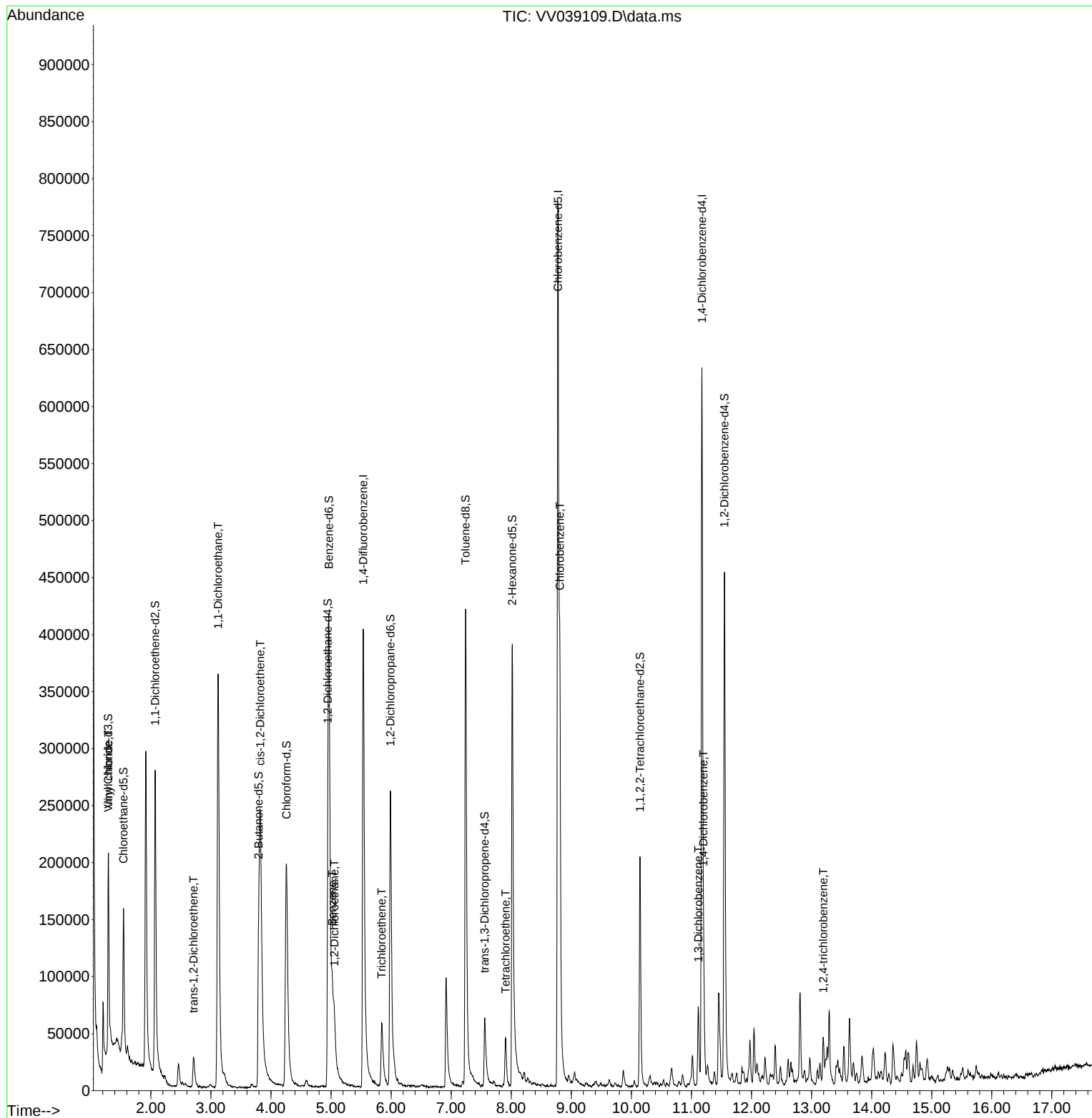
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	407628	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	418762	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	162389	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	110789	3.446	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.000%
7) Chloroethane-d5	1.545	69	106607	3.827	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.600%
11) 1,1-Dichloroethene-d2	2.073	65	54174	3.537	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.800%
20) 2-Butanone-d5	3.796	46	205821	43.104	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.200%
24) Chloroform-d	4.256	84	250663	4.015	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
26) 1,2-Dichloroethane-d4	4.947	65	108500	4.126	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
32) Benzene-d6	4.963	84	421661	3.680	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.600%
36) 1,2-Dichloropropane-d6	5.989	67	141503	4.132	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.600%
41) Toluene-d8	7.240	98	315404	3.075	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.400%#
43) trans-1,3-Dichloroprop...	7.558	79	44400	3.544	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.800%
46) 2-Hexanone-d5	8.014	63	149083	36.759	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.520%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	102315	4.184	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.600%
66) 1,2-Dichlorobenzene-d4	11.551	152	119392	4.568	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.400%
Target Compounds						
5) Vinyl chloride	1.294	62	31552	0.707	ug/L #	1
18) trans-1,2-Dichloroethene	2.709	96	11623	0.341	ug/L	94
19) 1,1-Dichloroethane	3.121	63	425375	6.808	ug/L	100
22) cis-1,2-Dichloroethene	3.822	96	131210	3.946	ug/L	98
27) 1,2-Dichloroethane	5.056	62	52377	1.577	ug/L	98
33) Benzene	5.018	78	93077	0.706	ug/L	100
34) Trichloroethene	5.844	95	23897	0.673	ug/L	92
47) Tetrachloroethene	7.905	164	10489	0.378	ug/L	94
51) Chlorobenzene	8.809	112	220355	2.485	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	28992	0.547	ug/L	95
65) 1,4-Dichlorobenzene	11.201	146	44325	0.808	ug/L	97
70) 1,2,4-trichlorobenzene	13.194	180	6690	0.256	ug/L #	85

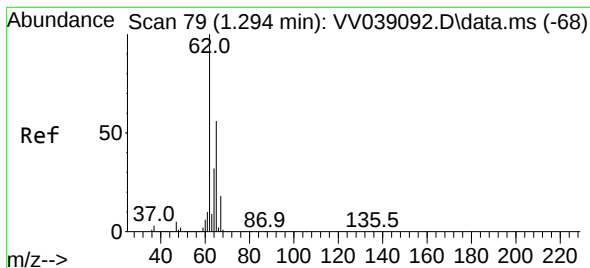
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 17 02:19:46 2025
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.707 ug/L

RT: 1.294 min Scan# 79

Delta R.T. 0.000 min

Lab File: VV039109.D

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MSVOA_V

ClientSampleId :

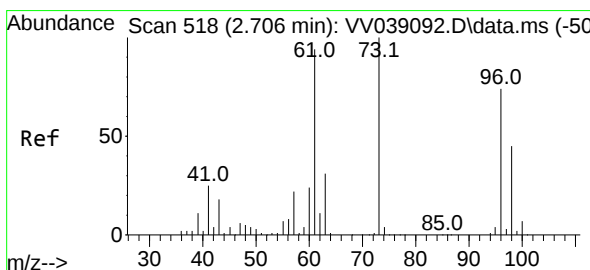
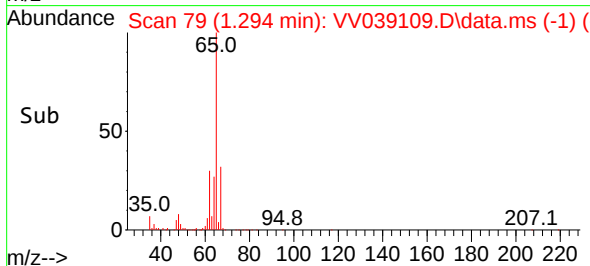
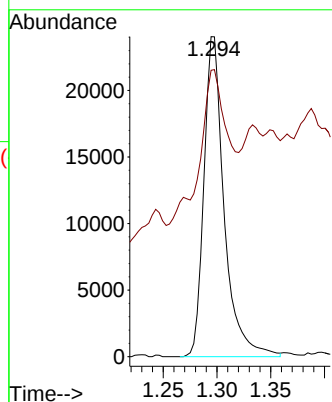
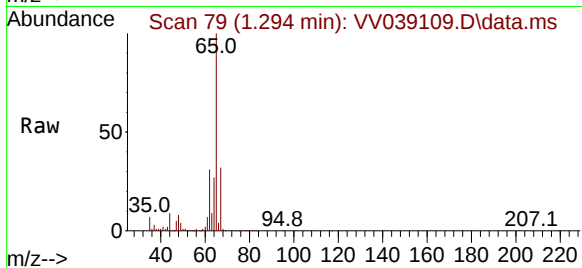
PMW-3(20250910)DL

Tgt Ion: 62 Resp: 31552

Ion Ratio Lower Upper

62 100

64 89.5 22.4 41.6#



#18

trans-1,2-Dichloroethene

Concen: 0.341 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.003 min

Lab File: VV039109.D

Acq: 16 Sep 2025 15:59

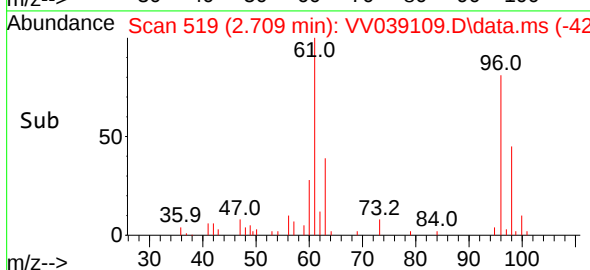
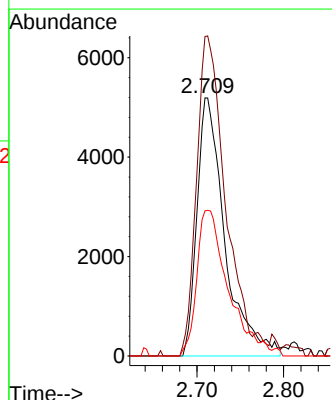
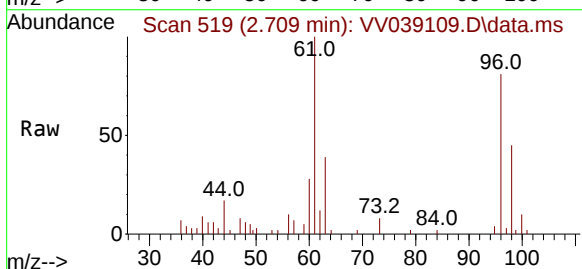
Tgt Ion: 96 Resp: 11623

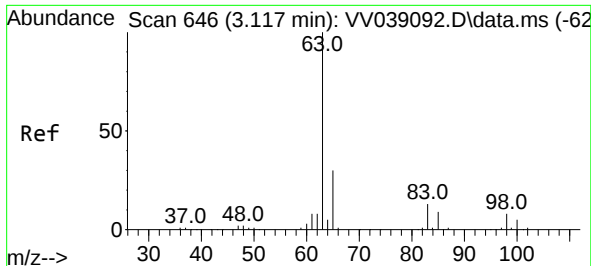
Ion Ratio Lower Upper

96 100

61 123.8 89.7 166.5

98 56.3 44.9 83.3

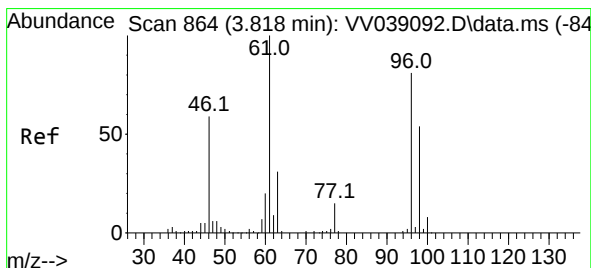
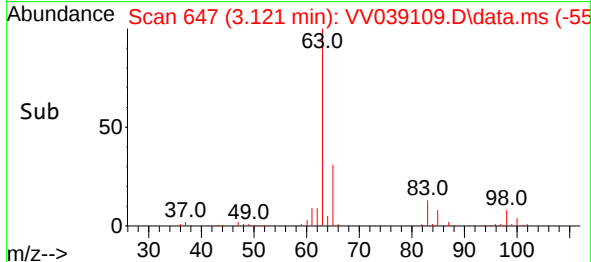
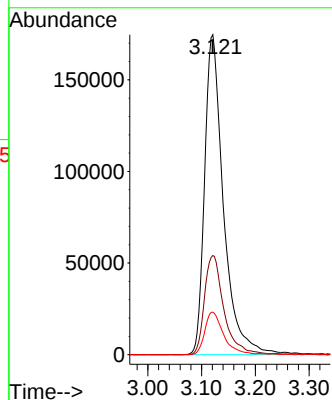
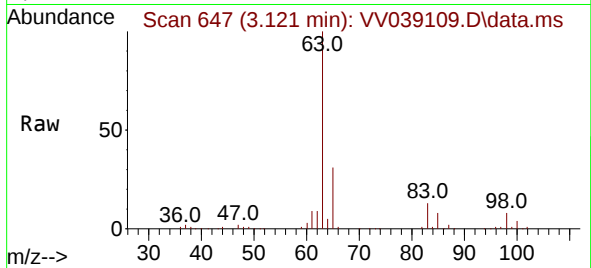




#19
1,1-Dichloroethane
Concen: 6.808 ug/L
RT: 3.121 min Scan# 646
Delta R.T. 0.003 min
Lab File: VV039109.D
Acq: 16 Sep 2025 15:59

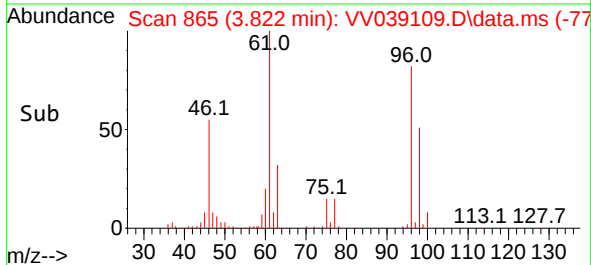
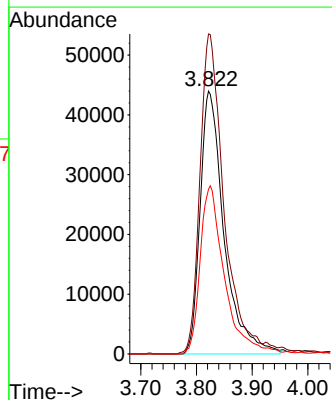
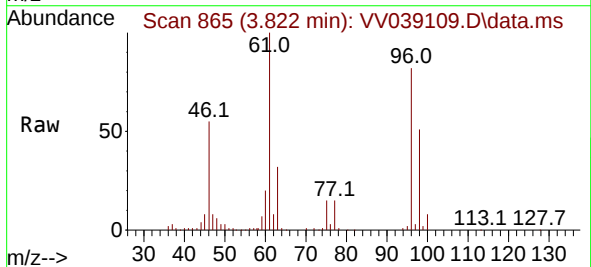
Instrument :
MSVOA_V
ClientSampleId :
PMW-3(20250910)DL

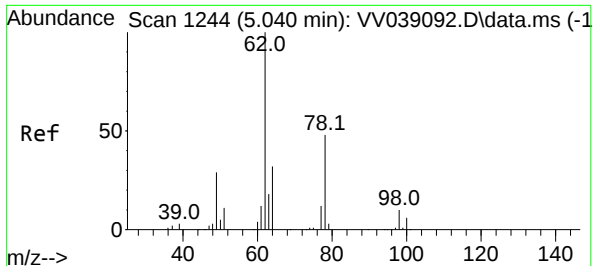
Tgt Ion: 63 Resp: 425375
Ion Ratio Lower Upper
63 100
65 31.0 21.5 39.9
83 13.3 9.2 17.2



#22
cis-1,2-Dichloroethene
Concen: 3.946 ug/L
RT: 3.822 min Scan# 865
Delta R.T. 0.003 min
Lab File: VV039109.D
Acq: 16 Sep 2025 15:59

Tgt Ion: 96 Resp: 131210
Ion Ratio Lower Upper
96 100
61 121.8 85.4 158.6
98 62.6 46.6 86.6





#27

1,2-Dichloroethane

Concen: 1.577 ug/L

RT: 5.056 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV039109.D

Acq: 16 Sep 2025 15:59

Instrument :

MSVOA_V

ClientSampleId :

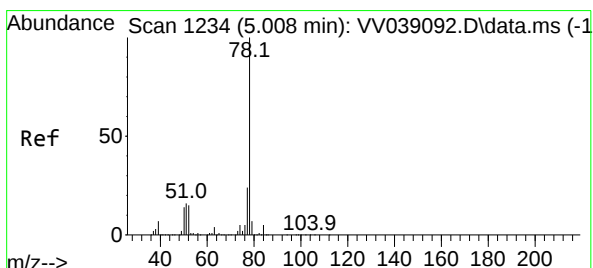
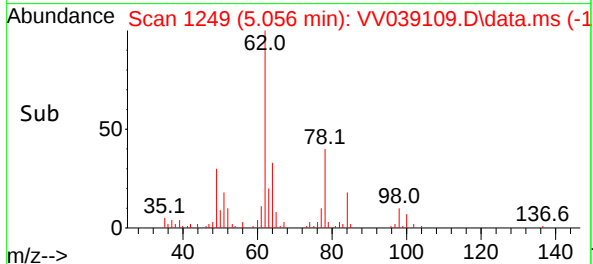
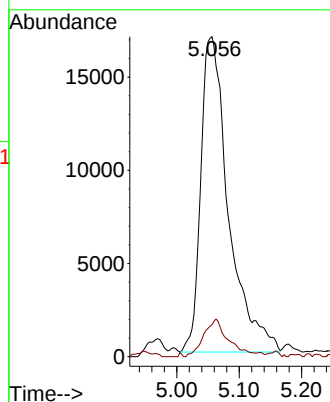
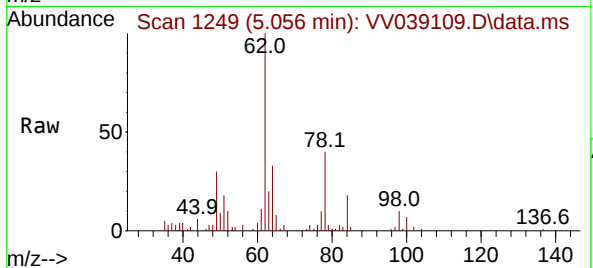
PMW-3(20250910)DL

Tgt Ion: 62 Resp: 52377

Ion Ratio Lower Upper

62 100

98 10.0 8.6 12.8



#33

Benzene

Concen: 0.706 ug/L

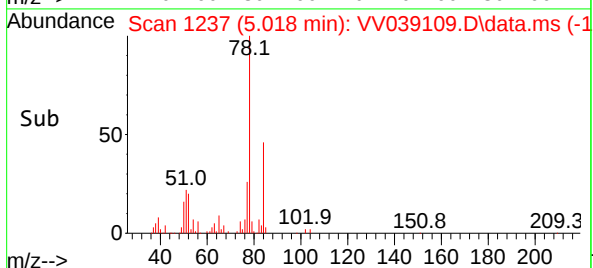
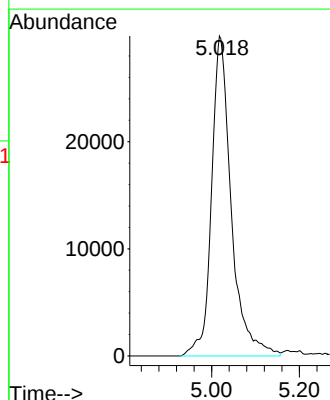
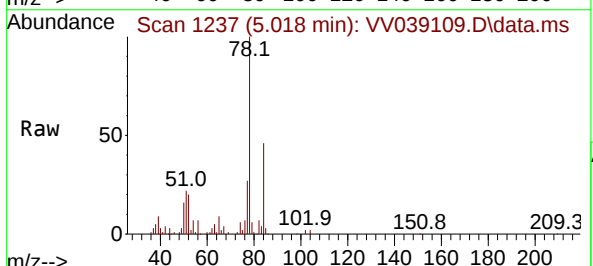
RT: 5.018 min Scan# 1237

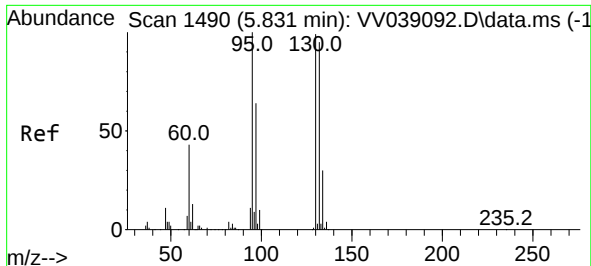
Delta R.T. 0.010 min

Lab File: VV039109.D

Acq: 16 Sep 2025 15:59

Tgt Ion: 78 Resp: 93077

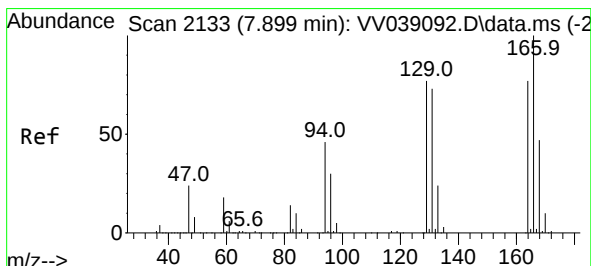
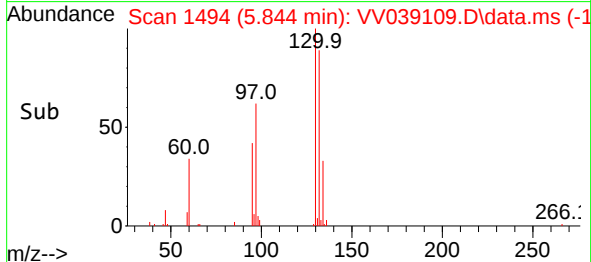
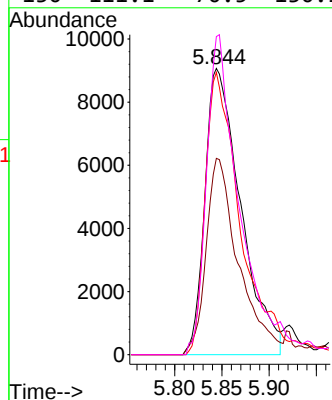
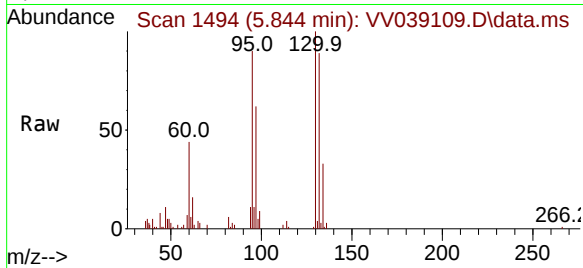




#34
Trichloroethene
Concen: 0.673 ug/L
RT: 5.844 min Scan# 1490
Delta R.T. 0.013 min
Lab File: VV039109.D
Acq: 16 Sep 2025 15:59

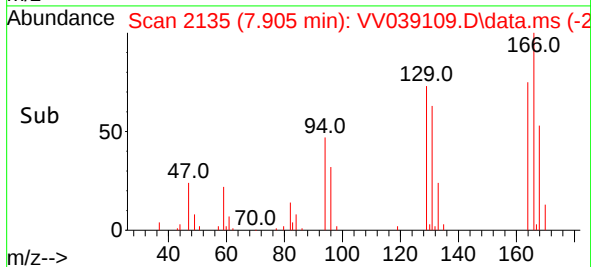
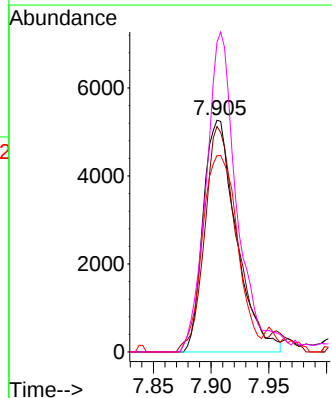
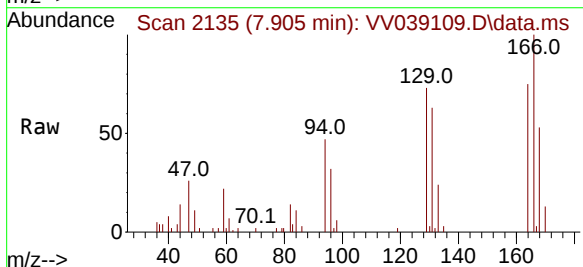
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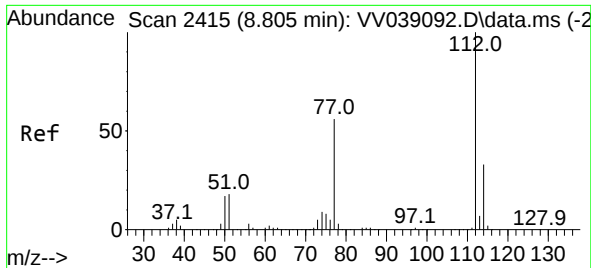
Tgt Ion: 95	Resp: 23897
Ion Ratio	Lower Upper
95 100	
97 68.6	43.3 80.5
132 98.6	65.5 121.7
130 111.1	70.5 130.9



#47
Tetrachloroethene
Concen: 0.378 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.007 min
Lab File: VV039109.D
Acq: 16 Sep 2025 15:59

Tgt	Ion:164	Resp:	10489
Ion	Ratio	Lower	Upper
164	100		
129	97.3	68.0	126.4
131	84.7	65.4	121.4
166	133.7	86.7	161.1

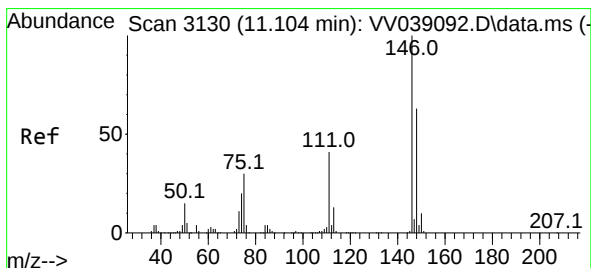
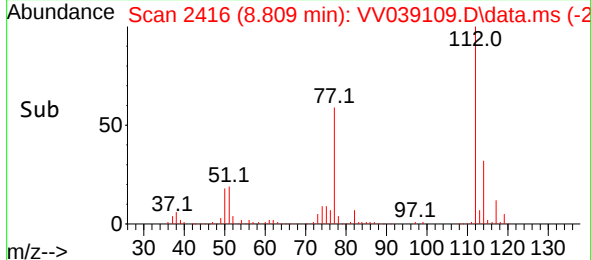
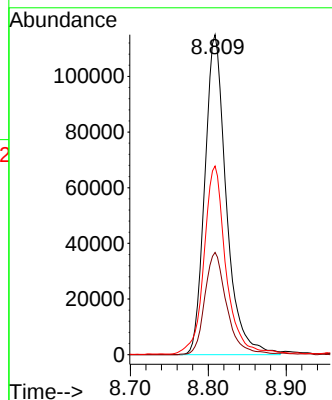
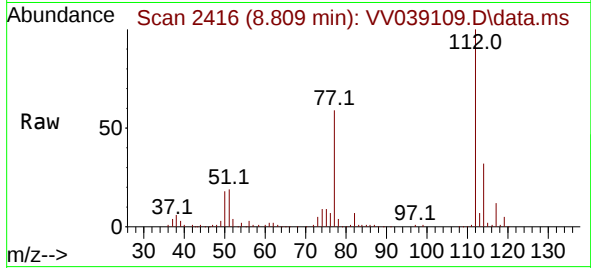




#51
Chlorobenzene
Concen: 2.485 ug/L
RT: 8.809 min Scan# 2415
Delta R.T. 0.003 min
Lab File: VV039109.D
Acq: 16 Sep 2025 15:59

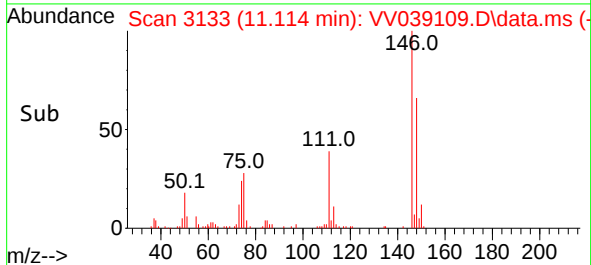
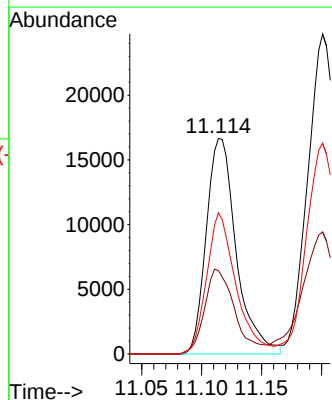
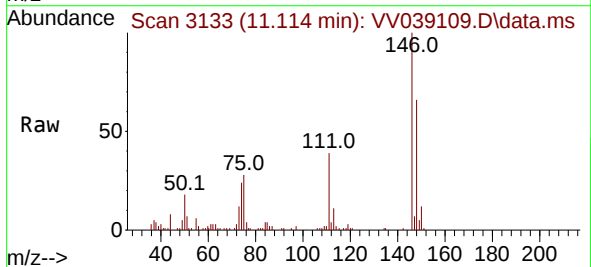
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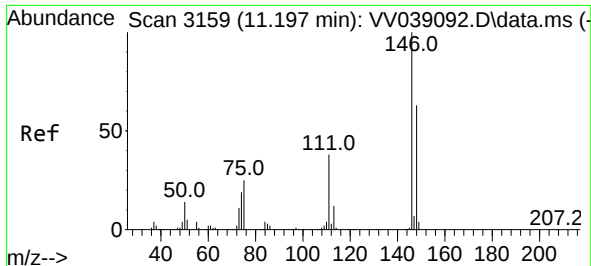
Tgt Ion:112 Resp: 220355
Ion Ratio Lower Upper
112 100
114 31.9 23.0 42.6
77 59.0 46.6 69.8



#64
1,3-Dichlorobenzene
Concen: 0.547 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. 0.010 min
Lab File: VV039109.D
Acq: 16 Sep 2025 15:59

Tgt Ion:146 Resp: 28992
Ion Ratio Lower Upper
146 100
111 38.6 28.3 52.7
148 65.5 42.9 79.7

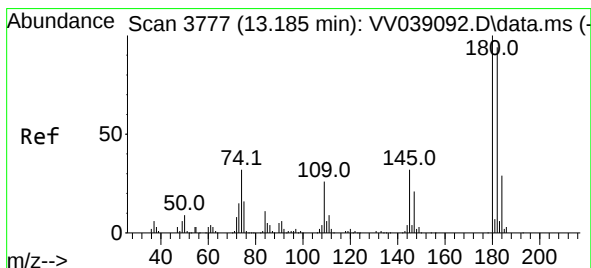
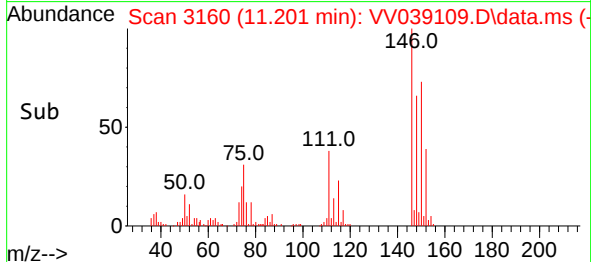
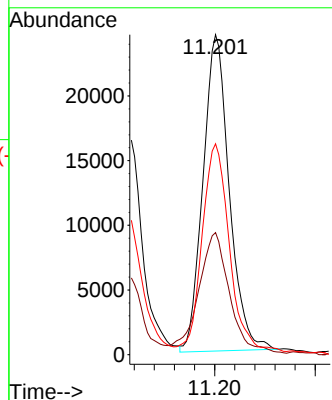
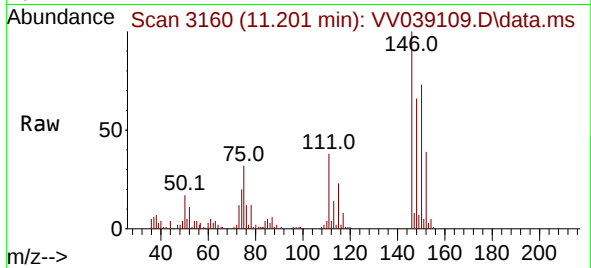




#65
1,4-Dichlorobenzene
Concen: 0.808 ug/L
RT: 11.201 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039109.D
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ClientSampleId :
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Tgt Ion:146	Resp:	44325
Ion Ratio	Lower	Upper
146	100	
111	38.2	27.2 50.6
148	65.9	43.8 81.4



#70
1,2,4-trichlorobenzene
Concen: 0.256 ug/L
RT: 13.194 min Scan# 3780
Delta R.T. 0.010 min
Lab File: VV039109.D
Acq: 16 Sep 2025 15:59

Tgt Ion:180	Resp:	6690
Ion Ratio	Lower	Upper
180	100	
182	98.5	73.2 109.8
145	51.7	25.0 37.4#

