

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100124\
 Data File : VU061059.D
 Acq On : 01 Oct 2024 21:29
 Operator : MD/SY
 Sample : P4227-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-10(20240927)

Quant Time: Oct 02 02:38:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 02 02:09:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.241	114	171795	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	160690	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	74823	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	55360	4.507	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.200%
7) Chloroethane-d5	1.910	69	42549	4.628	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.600%
11) 1,1-Dichloroethene-d2	2.563	65	23916	4.414	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.200%
20) 2-Butanone-d5	4.631	46	146345	49.742	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.480%
24) Chloroform-d	5.055	84	99091	4.578	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.695	65	55987	4.880	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.721	84	202947	4.790	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.682	67	68563	4.927	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.891	98	186574	4.711	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
43) trans-1,3-Dichloroprop...	8.174	79	27636	4.645	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.000%
46) 2-Hexanone-d5	8.627	63	124800	50.679	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.360%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	49688	4.869	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	61447	5.136	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.800%

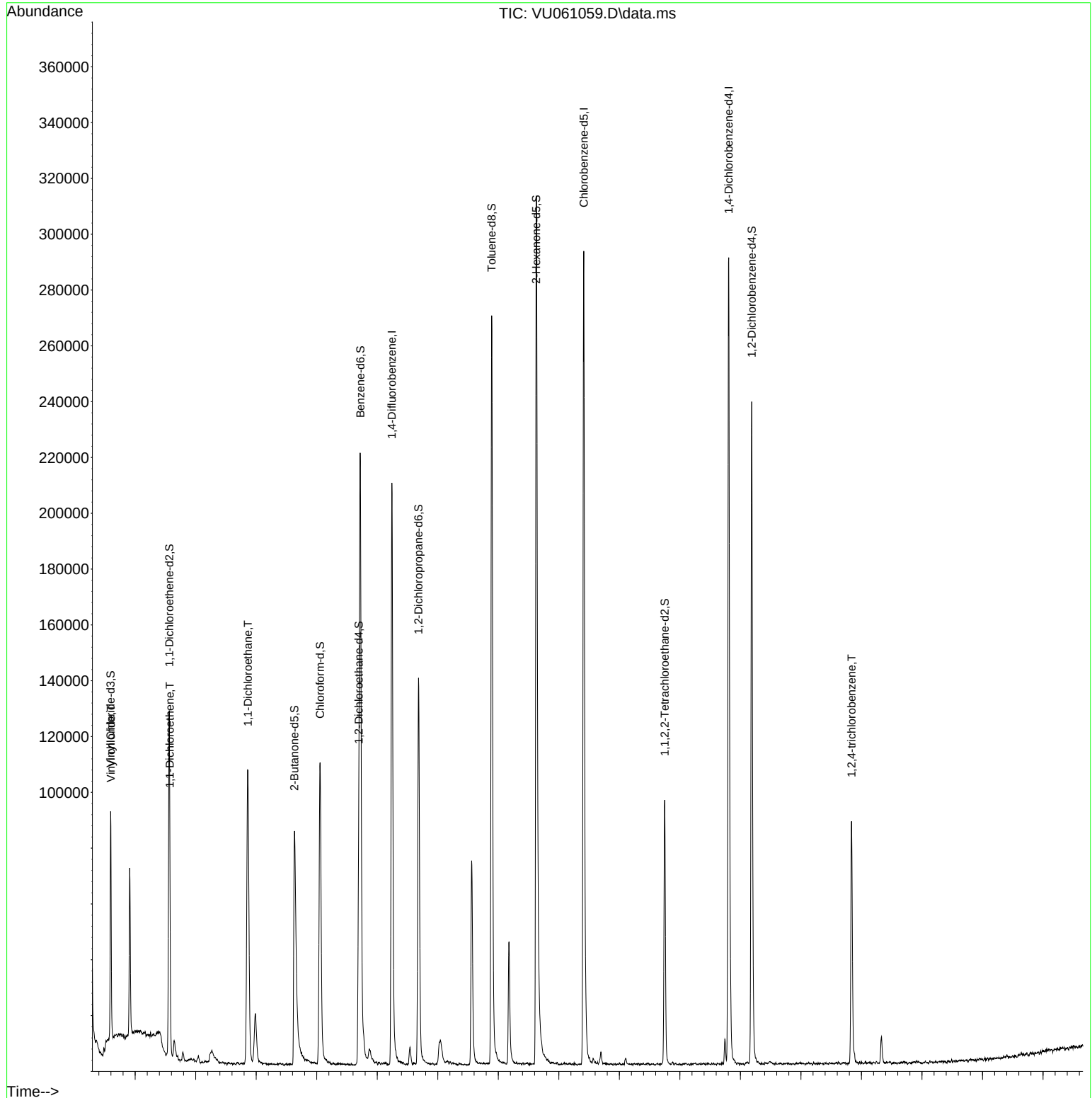
Target Compounds				Qvalue		
5) Vinyl chloride	1.599	62	2293	0.189	ug/L #	56
12) 1,1-Dichloroethene	2.573	96	2119	0.214	ug/L #	1
14) Carbon disulfide	2.788	76	4203	0.125	ug/L	99
19) 1,1-Dichloroethane	3.862	63	123738	5.847	ug/L	98
22) cis-1,2-Dichloroethene	4.669	96	2063	0.170	ug/L	90
51) Chlorobenzene	9.444	112	6904	0.225	ug/L	90
64) 1,3-Dichlorobenzene	11.746	146	3668	0.171	ug/L	93
65) 1,4-Dichlorobenzene	11.830	146	9087	0.429	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	4509	0.227	ug/L #	89
70) 1,2,4-trichlorobenzene	13.836	180	27591	2.384	ug/L	95
72) 1,2,3-Trichlorobenzene	14.331	180	3313	0.344	ug/L	97

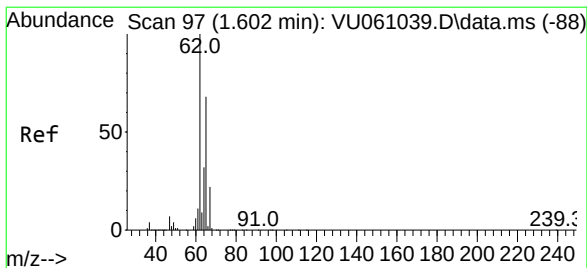
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.189 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.004 min

Lab File: VU061059.D

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Instrument :

MSVOA_U

ClientSampleId :

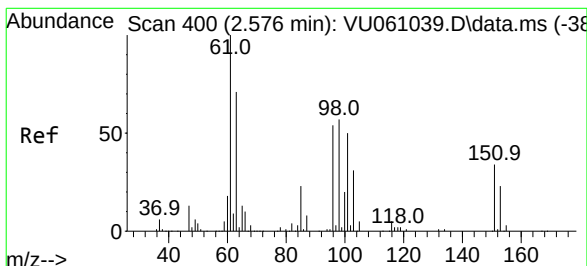
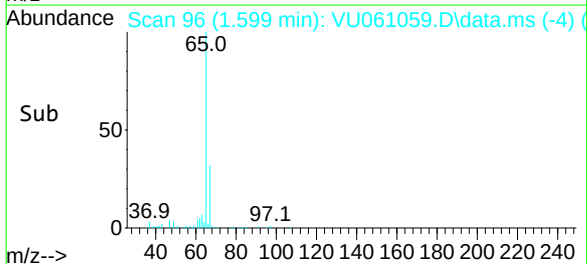
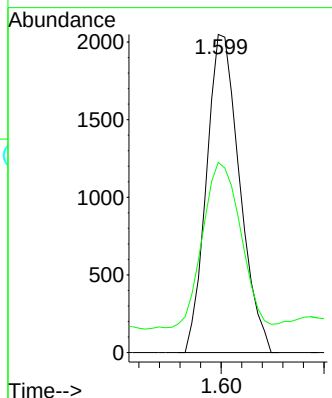
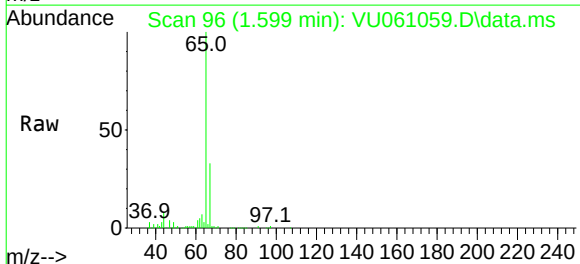
PMW-10(20240927)

Tgt Ion: 62 Resp: 2293

Ion Ratio Lower Upper

62 100

64 59.8 24.0 44.6#



#12

1,1-Dichloroethene

Concen: 0.214 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.004 min

Lab File: VU061059.D

Acq: 01 Oct 2024 21:29

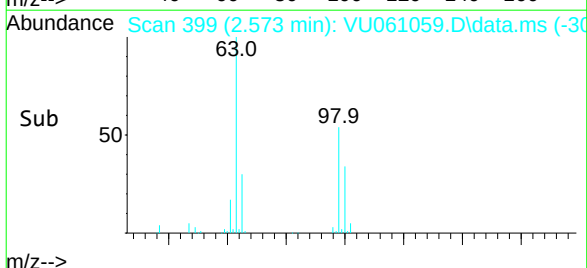
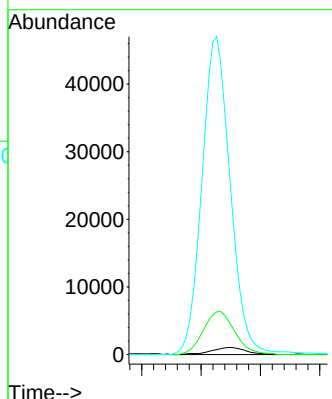
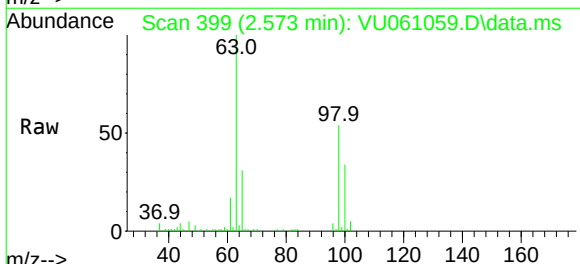
Tgt Ion: 96 Resp: 2119

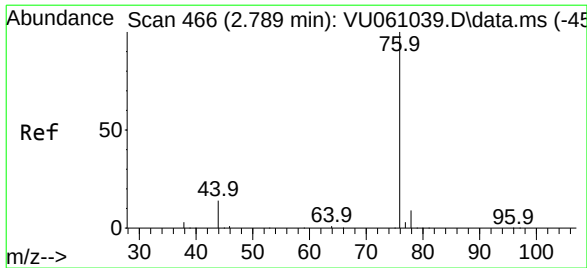
Ion Ratio Lower Upper

96 100

61 484.0 120.7 224.1#

63 2811.5 90.0 167.2#





#14

Carbon disulfide

Concen: 0.125 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU061059.D

Acq: 01 Oct 2024 21:29

Instrument :

MSVOA_U

ClientSampleId :

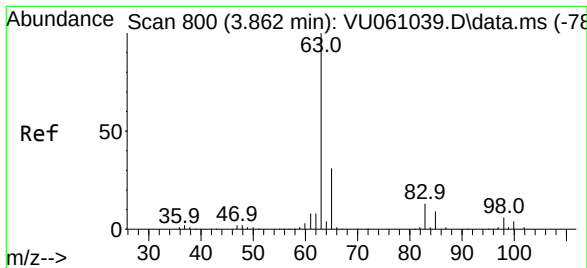
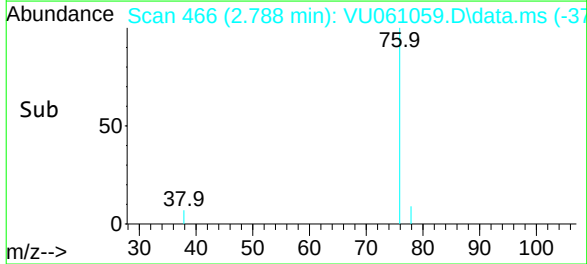
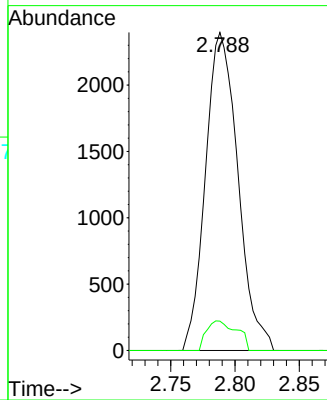
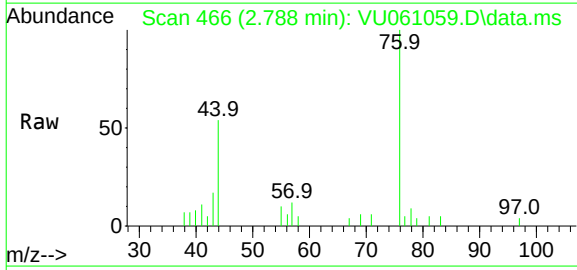
PMW-10(20240927)

Tgt Ion: 76 Resp: 4203

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



#19

1,1-Dichloroethane

Concen: 5.847 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.003 min

Lab File: VU061059.D

Acq: 01 Oct 2024 21:29

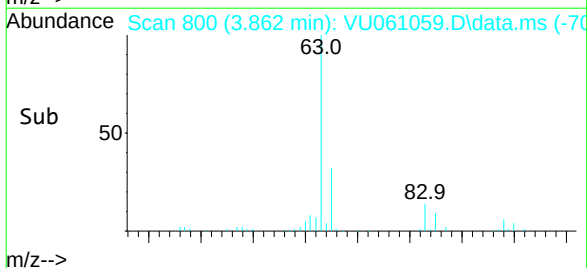
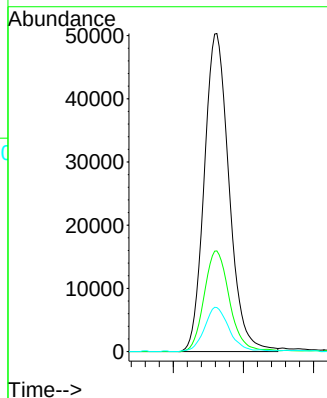
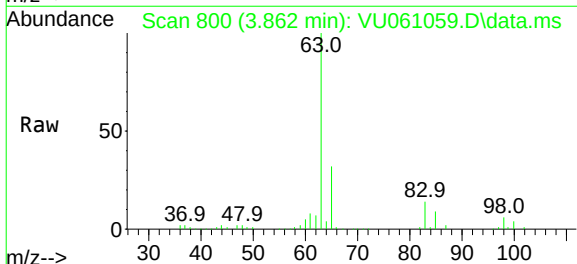
Tgt Ion: 63 Resp: 123738

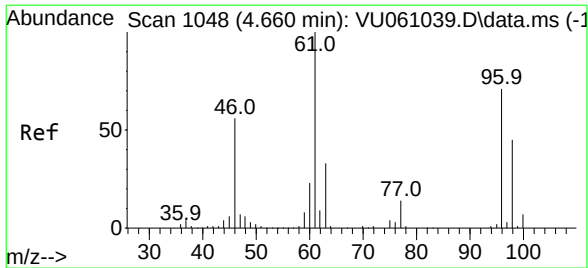
Ion Ratio Lower Upper

63 100

65 31.7 23.0 42.8

83 13.8 9.0 16.6

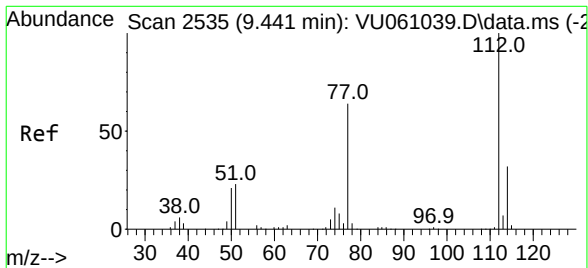
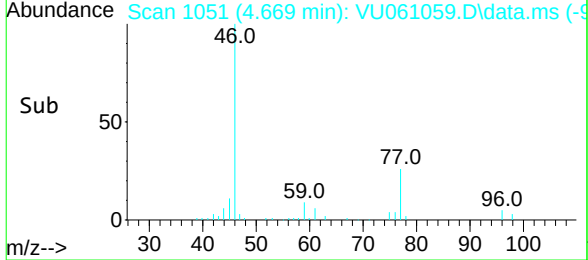
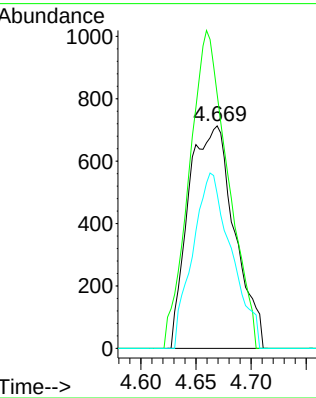
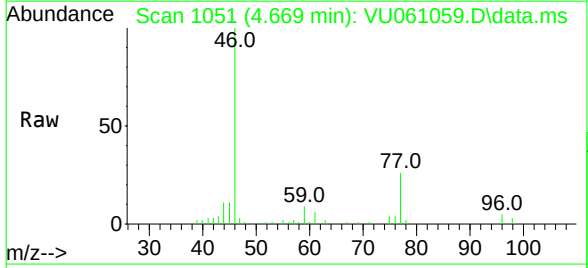




#22
 cis-1,2-Dichloroethene
 Concen: 0.170 ug/L
 RT: 4.669 min Scan# 10
 Delta R.T. 0.012 min
 Lab File: VU061059.D
 Acq: 01 Oct 2024 21:29

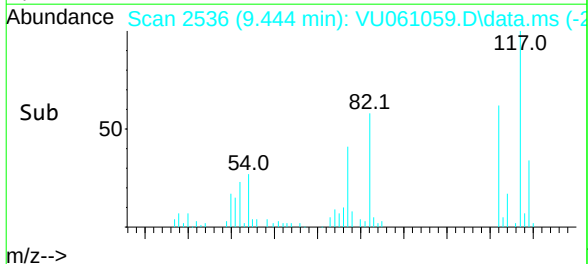
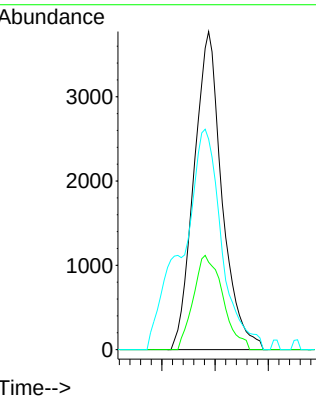
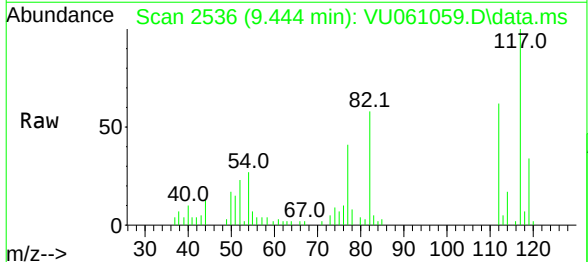
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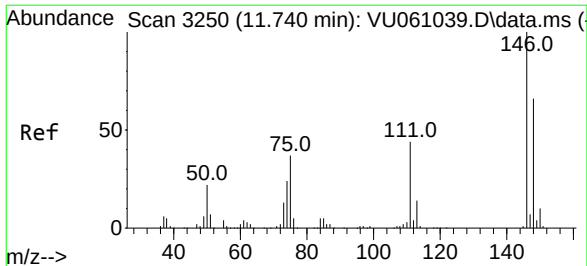
Tgt Ion:	96	Resp:	2063
Ion	Ratio	Lower	Upper
96	100		
61	114.2	89.7	166.5
98	69.4	45.1	83.9



#51
 Chlorobenzene
 Concen: 0.225 ug/L
 RT: 9.444 min Scan# 2536
 Delta R.T. 0.006 min
 Lab File: VU061059.D
 Acq: 01 Oct 2024 21:29

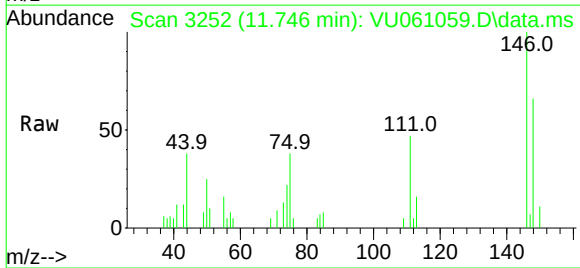
Tgt Ion:	112	Resp:	6904
Ion	Ratio	Lower	Upper
112	100		
114	27.5	22.2	41.2
77	66.2	46.1	69.1



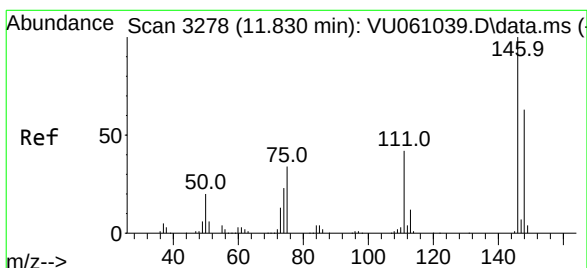
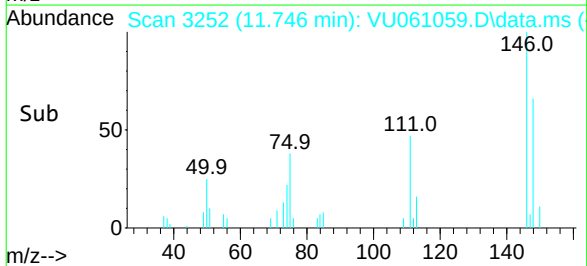
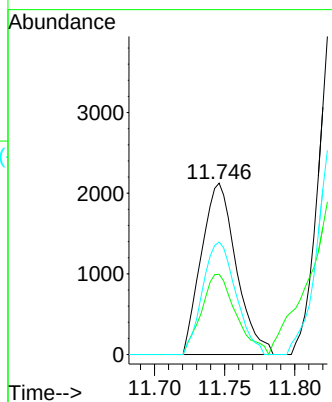


#64
1,3-Dichlorobenzene
Concen: 0.171 ug/L
RT: 11.746 min Scan# 3250
Delta R.T. 0.009 min
Lab File: VU061059.D
Acq: 01 Oct 2024 21:29

Instrument :
MSVOA_U
ClientSampleId :
PMW-10(20240927)

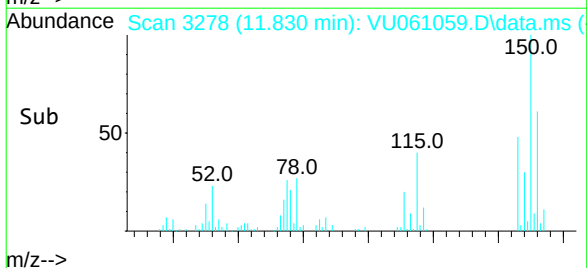
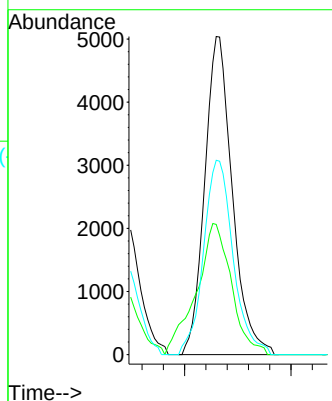
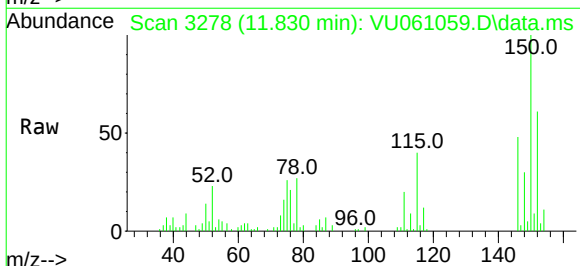


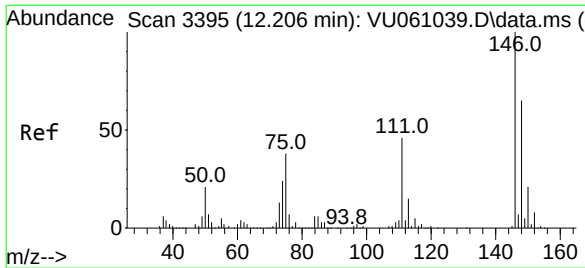
Tgt Ion:146 Resp: 3668
Ion Ratio Lower Upper
146 100
111 46.8 27.5 51.1
148 65.6 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 0.429 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VU061059.D
Acq: 01 Oct 2024 21:29

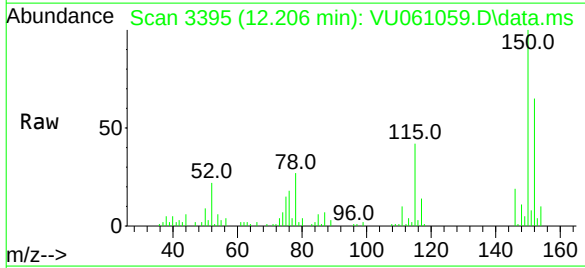
Tgt Ion:146 Resp: 9087
Ion Ratio Lower Upper
146 100
111 40.9 26.3 48.9
148 61.1 45.3 84.1



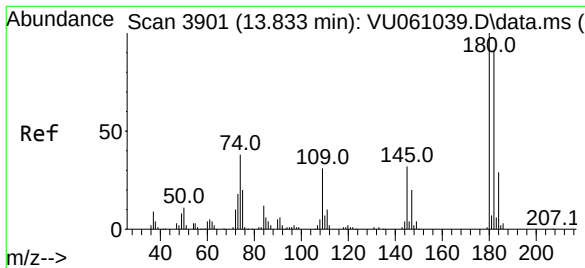
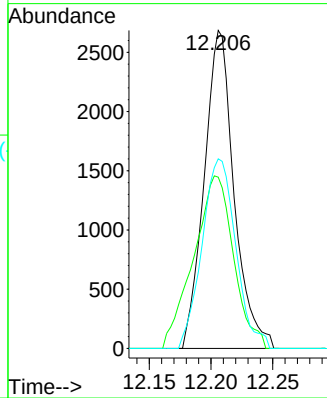
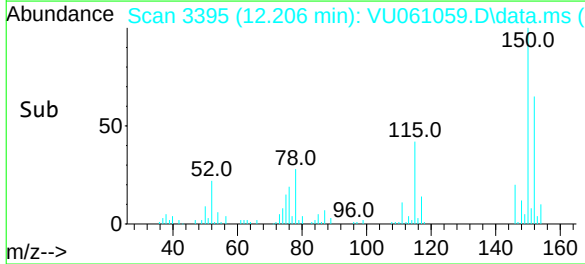


#67
1,2-Dichlorobenzene
Concen: 0.227 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VU061059.D
Acq: 01 Oct 2024 21:29

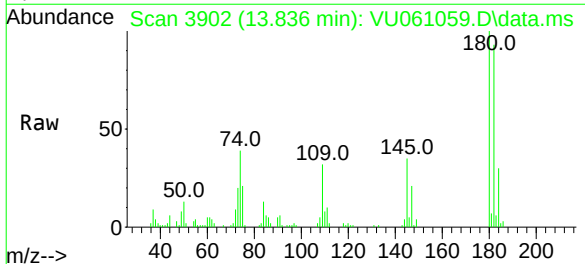
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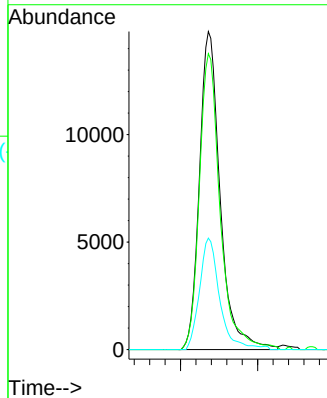
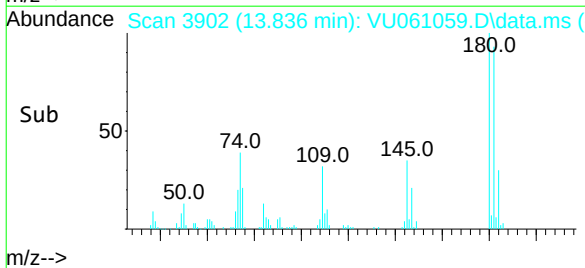
Tgt Ion:146 Resp: 4509
Ion Ratio Lower Upper
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111 53.9 33.4 50.0#
148 59.6 50.9 76.3

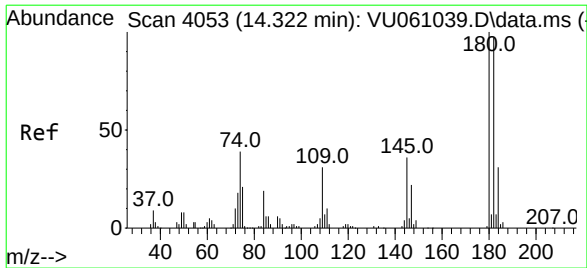


#70
1,2,4-trichlorobenzene
Concen: 2.384 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU061059.D
Acq: 01 Oct 2024 21:29



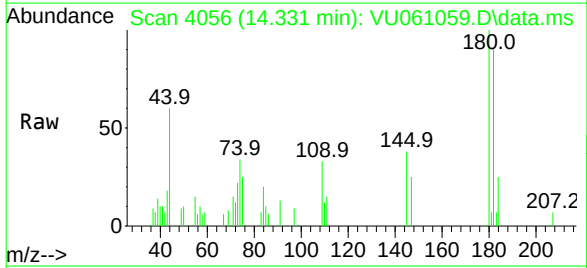
Tgt Ion:180 Resp: 27591
Ion Ratio Lower Upper
180 100
182 93.3 77.4 116.2
145 33.8 22.9 34.3





#72
 1,2,3-Trichlorobenzene
 Concen: 0.344 ug/L
 RT: 14.331 min Scan# 40
 Delta R.T. 0.009 min
 Lab File: VU061059.D
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Tgt Ion:	180	Resp:	3313
Ion	Ratio	Lower	Upper
180	100		
182	92.8	75.7	113.5
145	32.7	23.5	35.3

