

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055614.D
 Acq On : 02 Oct 2023 19:05
 Operator : MD/SY
 Sample : 04679-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20230927)

Quant Time: Oct 03 04:59:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 23:33:30 2023
 Response via : Initial Calibration

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

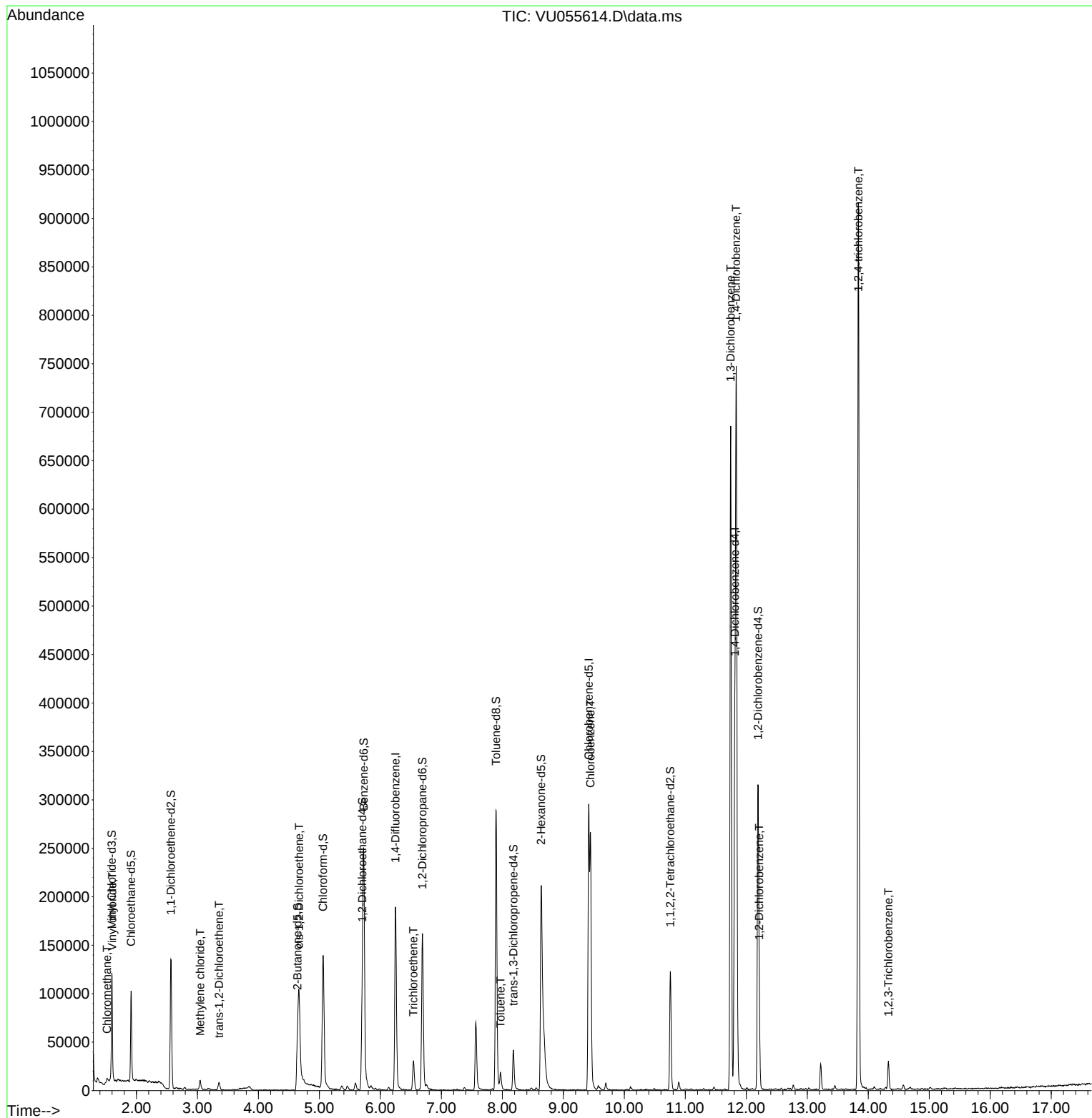
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	155312	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	158243	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	85060	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	66139	4.213	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.200%
7) Chloroethane-d5	1.911	69	64405	4.656	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.563	65	25383	3.929	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.600%
20) 2-Butanone-d5	4.637	46	94525	33.339	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	66.680%
24) Chloroform-d	5.059	84	129045	4.545	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
26) 1,2-Dichloroethane-d4	5.702	65	63486	4.648	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.727	84	235348	4.252	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.689	67	76429	4.621	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.894	98	199328	3.951	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.000%
43) trans-1,3-Dichloroprop...	8.181	79	24683	4.253	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.634	63	87054	49.314	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.620%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	61874	4.992	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	77029	4.487	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.800%
Target Compounds						Qvalue
3) Chloromethane	1.518	50	2403	0.181	ug/L	98
5) Vinyl chloride	1.602	62	8628	0.601	ug/L #	75
16) Methylene chloride	3.043	84	4071	0.313	ug/L	88
18) trans-1,2-Dichloroethene	3.354	96	3327	0.304	ug/L	98
22) cis-1,2-Dichloroethene	4.666	96	42012	3.311	ug/L	97
34) Trichloroethene	6.541	95	9955	0.773	ug/L	91
42) Toluene	7.968	91	12023	0.247	ug/L	94
51) Chlorobenzene	9.444	112	137389	4.415	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	265905	11.329	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	277593	11.834	ug/L	99
67) 1,2-Dichlorobenzene	12.213	146	26219	1.218	ug/L	92
70) 1,2,4-trichlorobenzene	13.836	180	266213	21.604	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	8460	0.789	ug/L	89

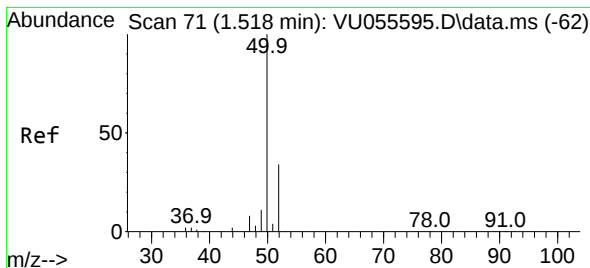
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
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#3

Chloromethane

Concen: 0.181 ug/L

RT: 1.518 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU055614.D

Acq: 02 Oct 2023 19:05

Instrument :

MSVOA_U

ClientSampleId :

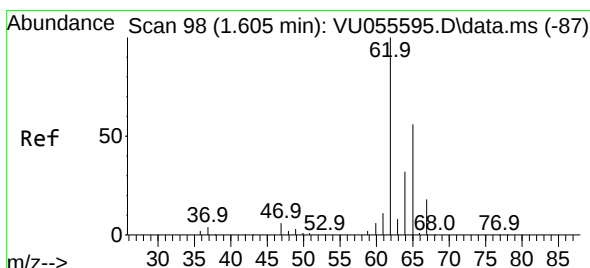
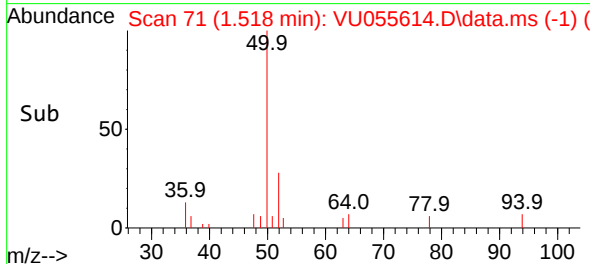
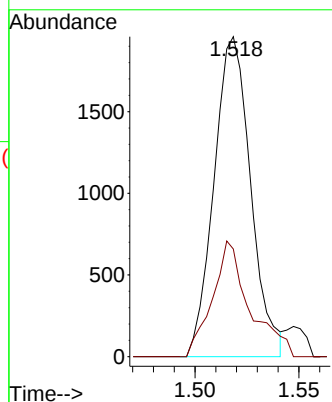
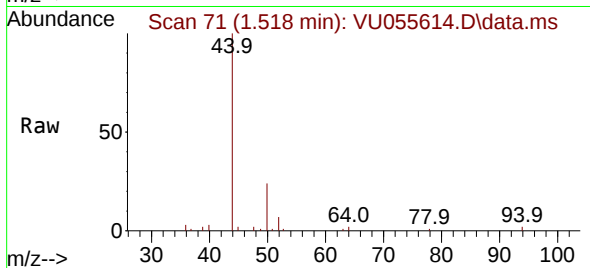
PMW-4(20230927)

Tgt Ion: 50 Resp: 2403

Ion Ratio Lower Upper

50 100

52 33.6 22.9 42.5



#5

Vinyl chloride

Concen: 0.601 ug/L

RT: 1.602 min Scan# 97

Delta R.T. -0.000 min

Lab File: VU055614.D

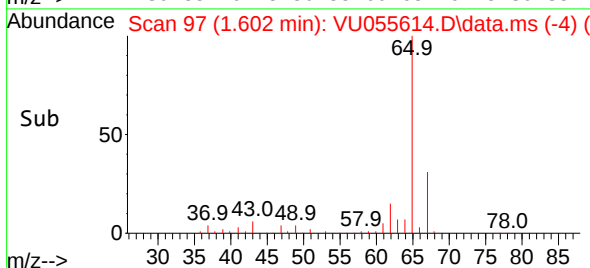
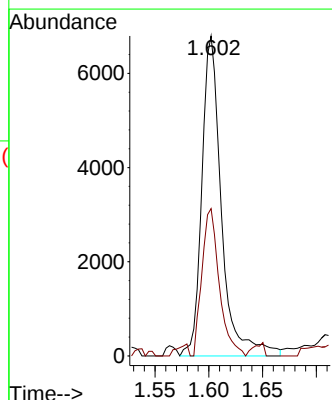
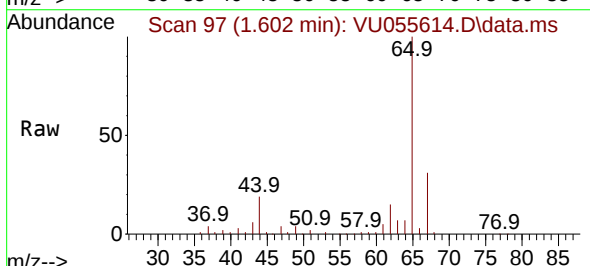
Acq: 02 Oct 2023 19:05

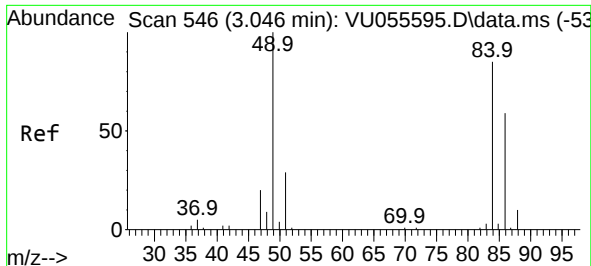
Tgt Ion: 62 Resp: 8628

Ion Ratio Lower Upper

62 100

64 46.1 22.3 41.5#

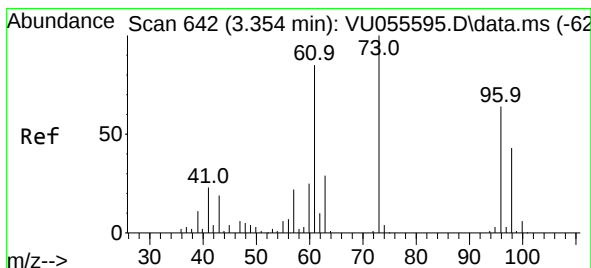
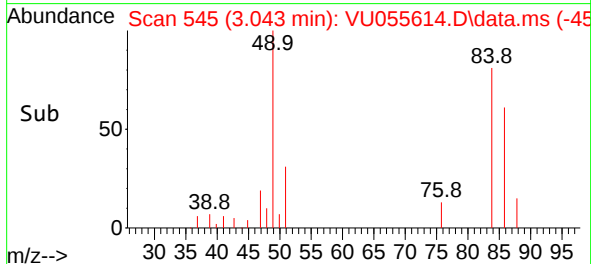
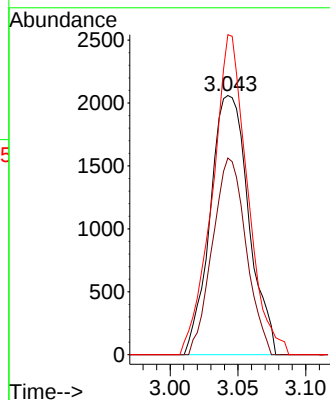
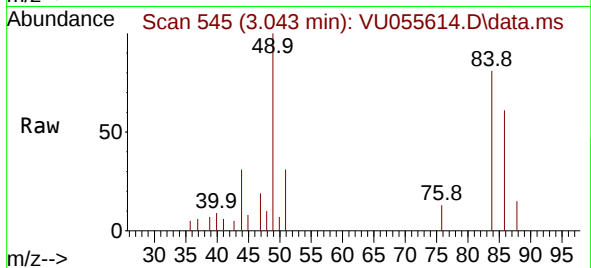




#16
Methylene chloride
Concen: 0.313 ug/L
RT: 3.043 min Scan# 546
Delta R.T. -0.000 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

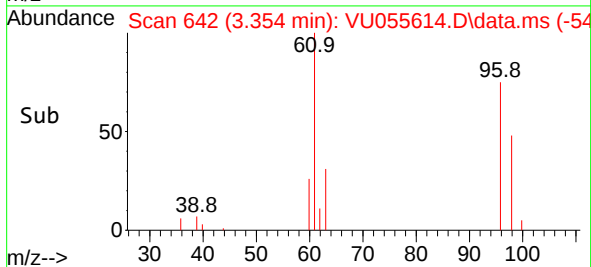
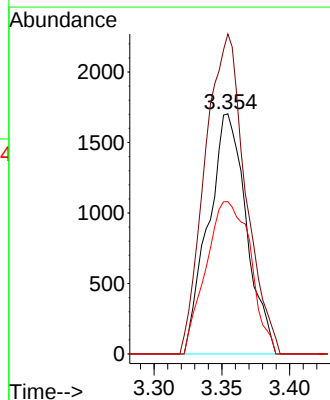
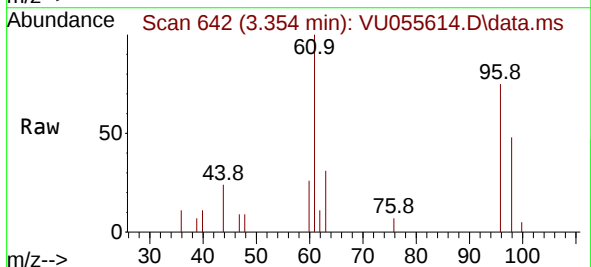
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230927)

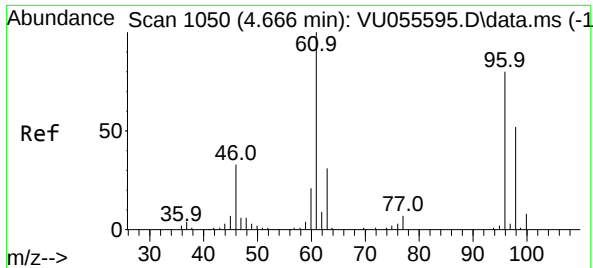
Tgt Ion: 84 Resp: 4071
Ion Ratio Lower Upper
84 100
86 75.9 44.9 83.3
49 123.4 78.8 146.3



#18
trans-1,2-Dichloroethene
Concen: 0.304 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055614.D
Acq: 02 Oct 2023 19:05

Tgt Ion: 96 Resp: 3327
Ion Ratio Lower Upper
96 100
61 133.2 94.6 175.6
98 63.4 45.7 84.9

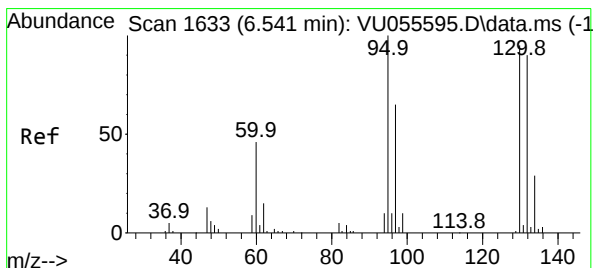
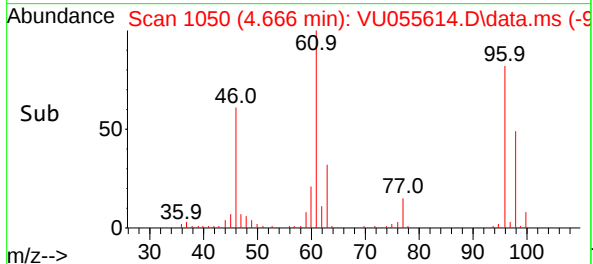
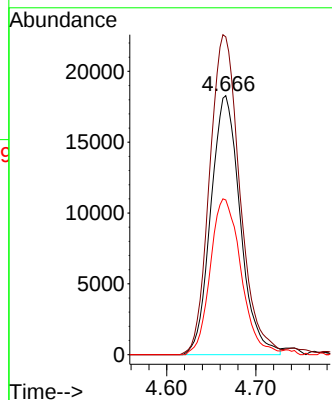
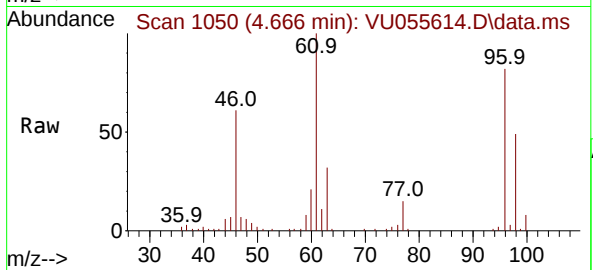




#22
 cis-1,2-Dichloroethene
 Concen: 3.311 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.003 min
 Lab File: VU055614.D
 Acq: 02 Oct 2023 19:05

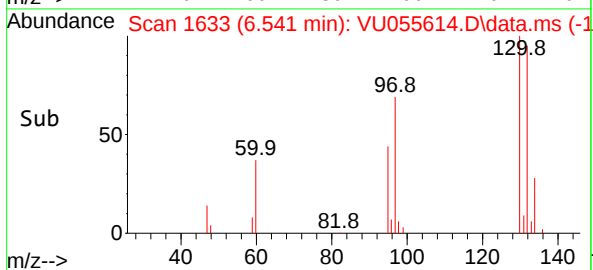
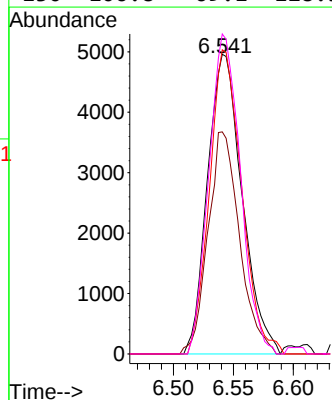
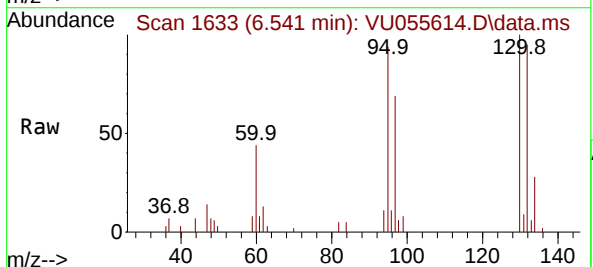
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20230927)

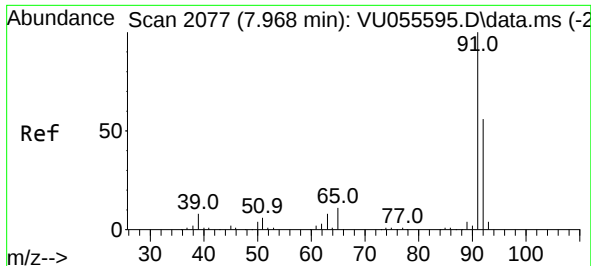
Tgt Ion:	96	Resp:	42012
Ion	Ratio	Lower	Upper
96	100		
61	122.7	87.8	163.2
98	59.7	44.4	82.4



#34
 Trichloroethene
 Concen: 0.773 ug/L
 RT: 6.541 min Scan# 1633
 Delta R.T. -0.000 min
 Lab File: VU055614.D
 Acq: 02 Oct 2023 19:05

Tgt Ion:	95	Resp:	9955
Ion	Ratio	Lower	Upper
95	100		
97	74.1	45.4	84.2
132	101.5	65.2	121.2
130	106.8	69.1	128.3





#42

Toluene

Concen: 0.247 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU055614.D

Acq: 02 Oct 2023 19:05

Instrument :

MSVOA_U

ClientSampleId :

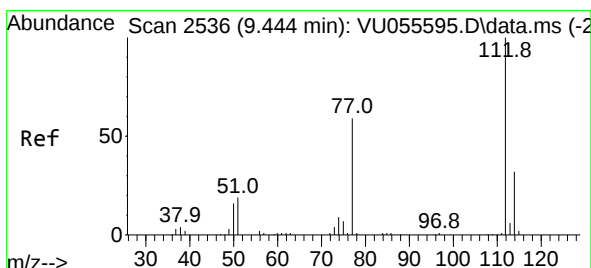
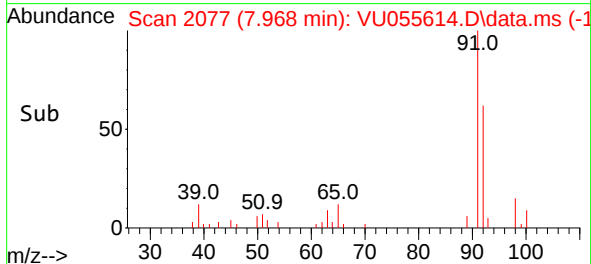
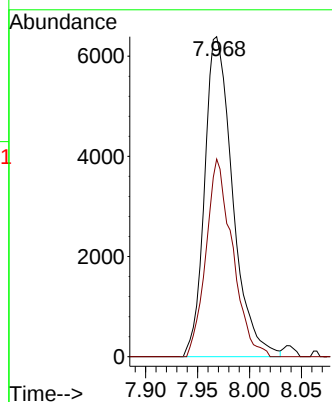
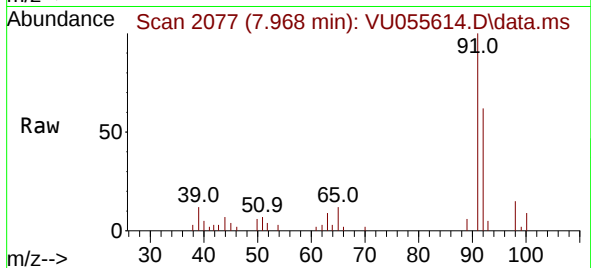
PMW-4(20230927)

Tgt Ion: 91 Resp: 12023

Ion Ratio Lower Upper

91 100

92 61.8 40.3 74.8



#51

Chlorobenzene

Concen: 4.415 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU055614.D

Acq: 02 Oct 2023 19:05

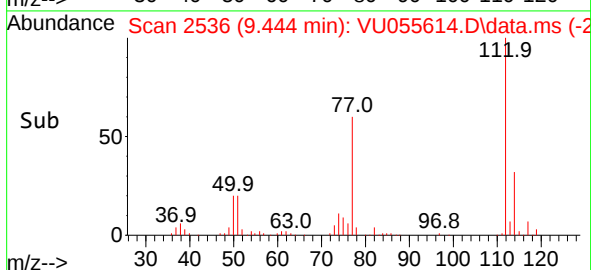
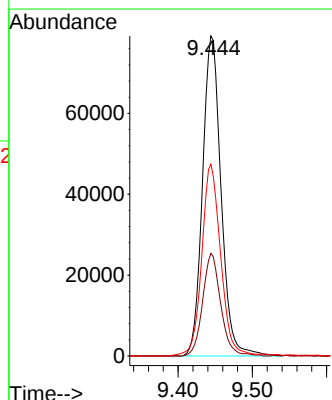
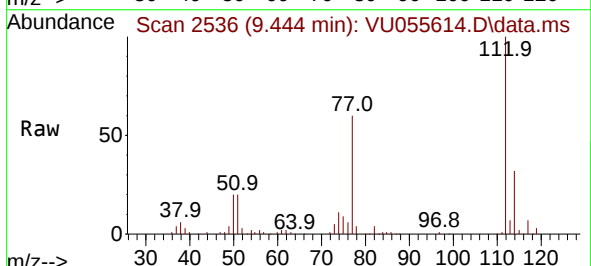
Tgt Ion: 112 Resp: 137389

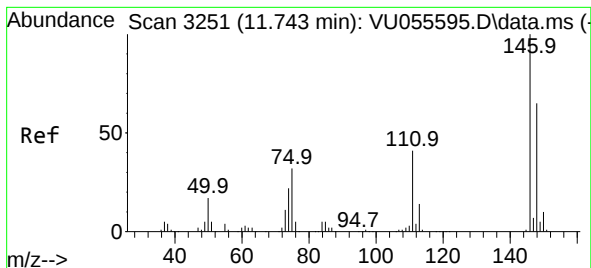
Ion Ratio Lower Upper

112 100

114 32.1 22.0 40.8

77 59.9 46.9 70.3





#64

1,3-Dichlorobenzene

Concen: 11.329 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. -0.000 min

Lab File: VU055614.D

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Instrument :

MSVOA_U

ClientSampleId :

PMW-4(20230927)

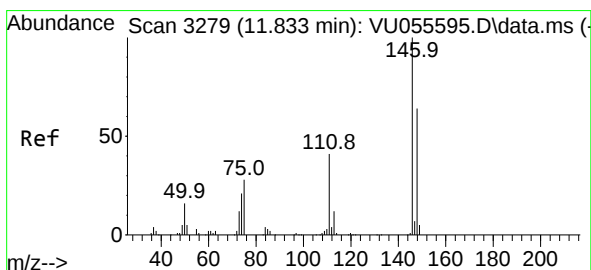
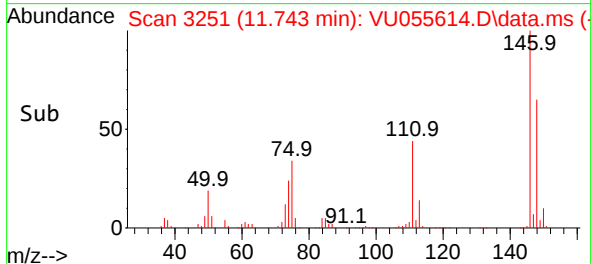
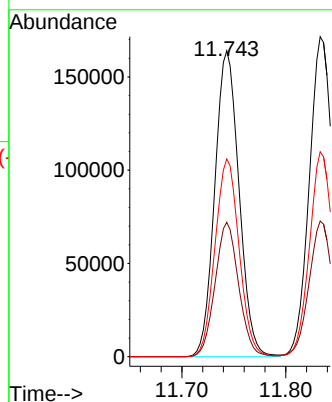
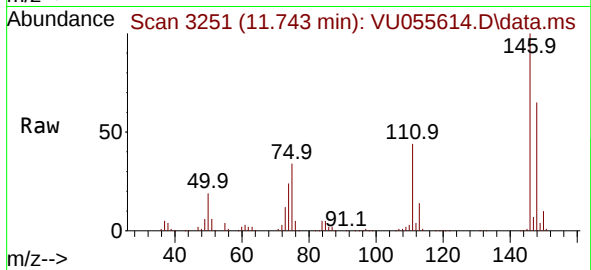
Tgt Ion:146 Resp: 265905

Ion Ratio Lower Upper

146 100

111 43.9 28.8 53.6

148 64.7 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 11.834 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VU055614.D

Acq: 02 Oct 2023 19:05

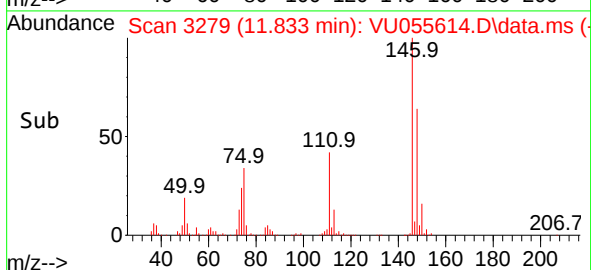
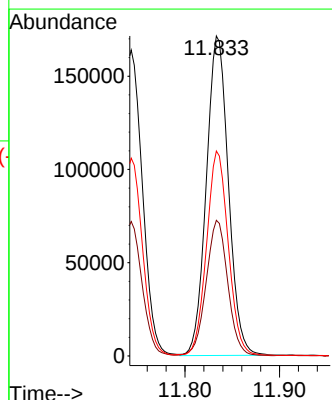
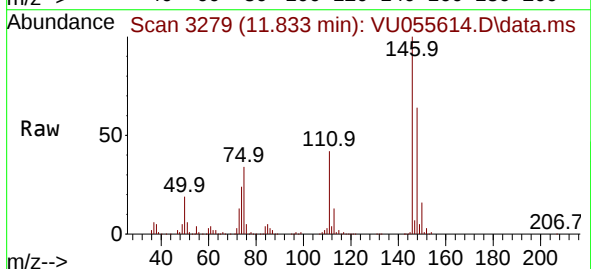
Tgt Ion:146 Resp: 277593

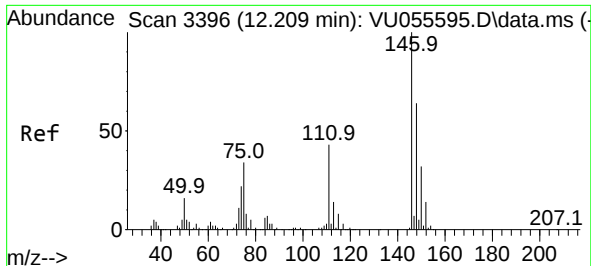
Ion Ratio Lower Upper

146 100

111 42.4 29.0 53.8

148 64.1 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 1.218 ug/L

RT: 12.213 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055614.D

Acq: 02 Oct 2023 19:05

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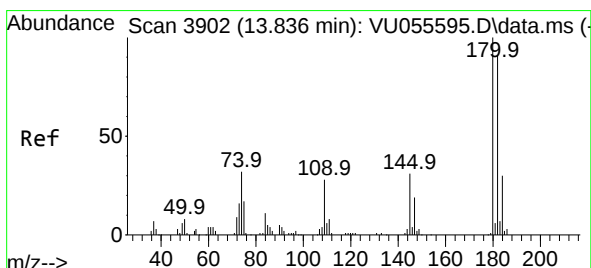
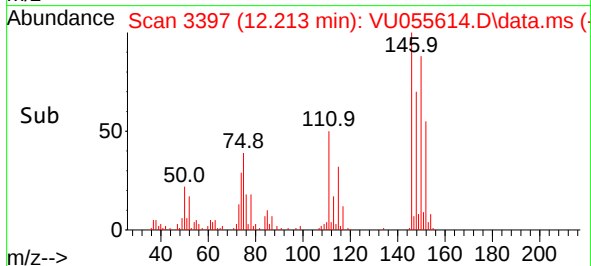
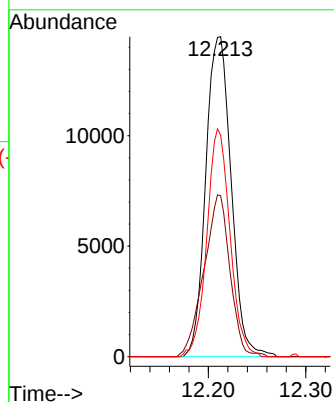
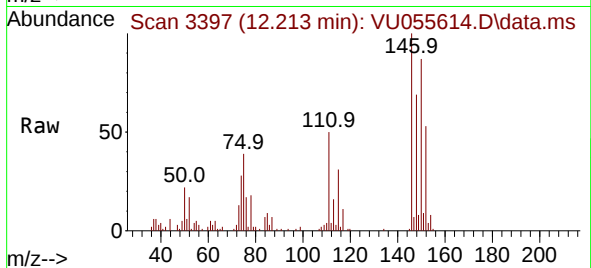
Tgt Ion:146 Resp: 26219

Ion Ratio Lower Upper

146 100

111 50.3 34.6 52.0

148 69.1 51.8 77.8



#70

1,2,4-trichlorobenzene

Concen: 21.604 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU055614.D

Acq: 02 Oct 2023 19:05

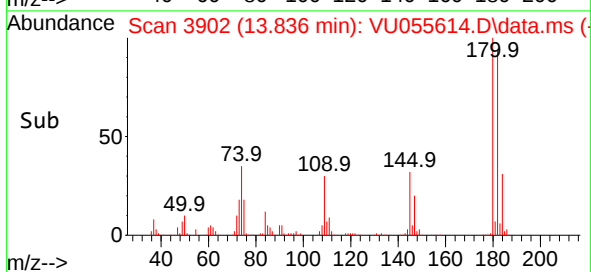
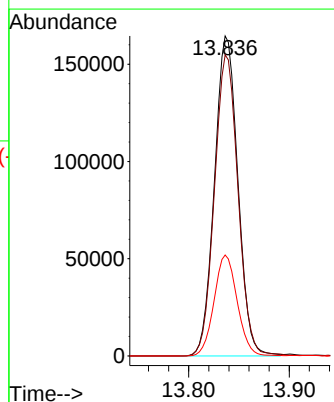
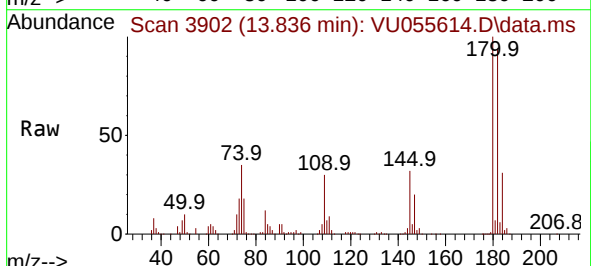
Tgt Ion:180 Resp: 266213

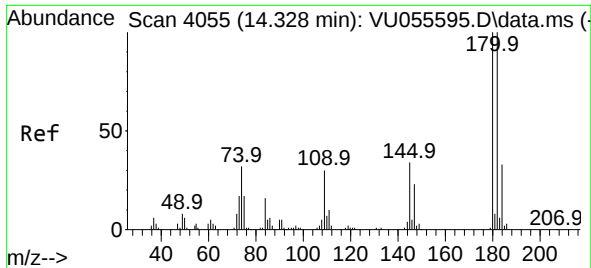
Ion Ratio Lower Upper

180 100

182 94.8 76.4 114.6

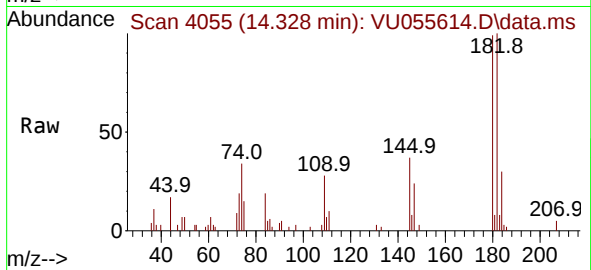
145 31.3 25.4 38.0





#72
 1,2,3-Trichlorobenzene
 Concen: 0.789 ug/L
 RT: 14.328 min Scan# 4055
 Delta R.T. 0.003 min
 Lab File: VU055614.D
 Acq: 02 Oct 2023 19:05

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20230927)



Tgt Ion:	180	Resp:	8460
Ion Ratio	Lower	Upper	
180	100		
182	105.6	76.2	114.4
145	38.4	26.0	39.0

