

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058413.D
 Acq On : 05 Apr 2024 12:28
 Operator : MD/SY
 Sample : P1925-15 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-8S(20240328)

Quant Time: Apr 05 23:35:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 05 23:33:02 2024
 Response via : Initial Calibration

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

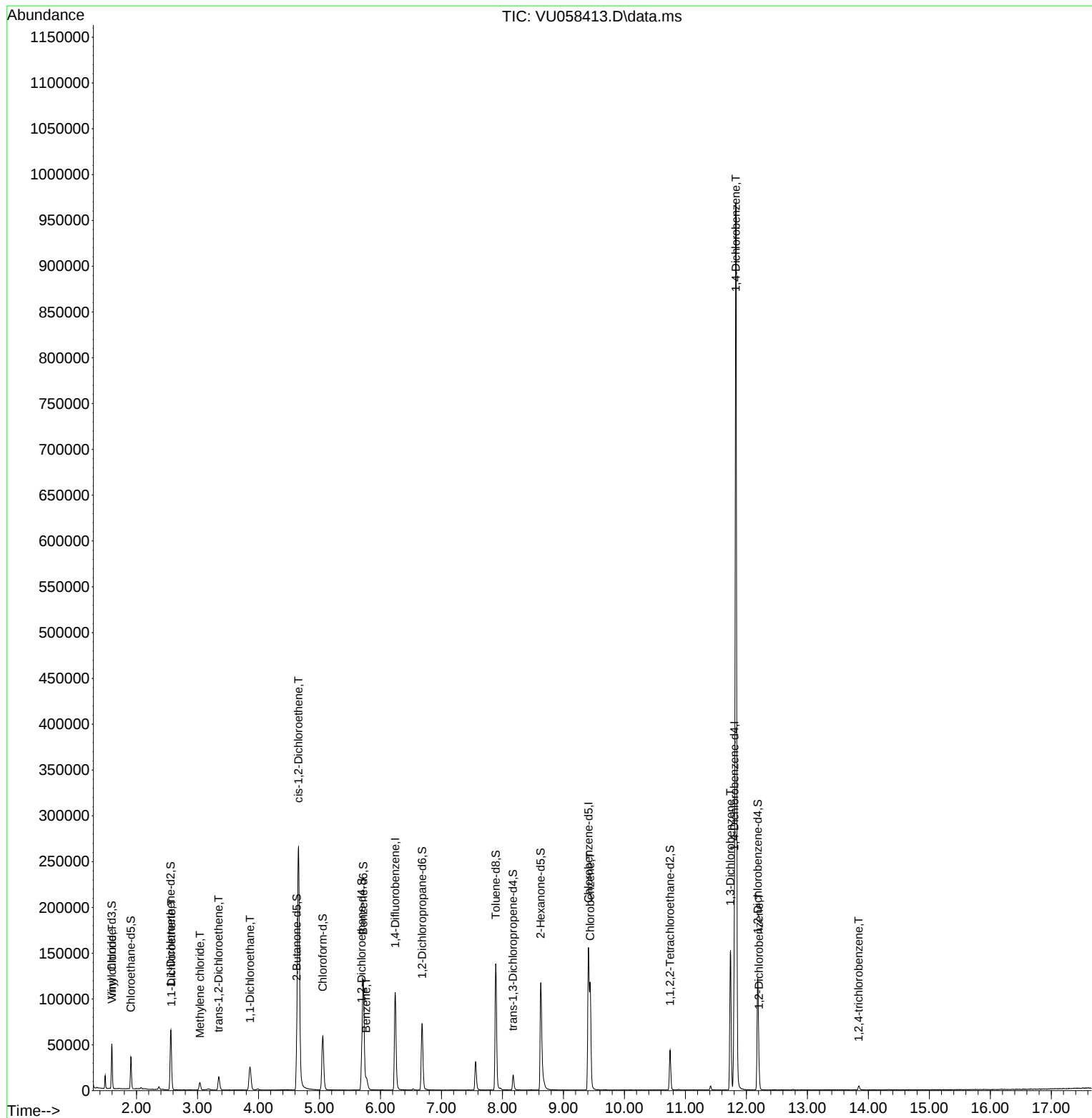
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	84364	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	82725	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	39227	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	27290	4.886	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.800%
7) Chloroethane-d5	1.907	69	23735	4.890	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.560	65	12616	4.990	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.800%
20) 2-Butanone-d5	4.628	46	62534	53.127	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.260%
24) Chloroform-d	5.055	84	55495	4.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
26) 1,2-Dichloroethane-d4	5.692	65	26956	5.180	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.718	84	110965	4.982	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	6.682	67	34719	4.971	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.400%
41) Toluene-d8	7.891	98	92981	4.708	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
43) trans-1,3-Dichloroprop...	8.174	79	9720	4.483	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.627	63	42191	47.181	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.360%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	22380	4.539	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	30536	4.622	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	7197	0.837	ug/L	89
12) 1,1-Dichloroethene	2.573	96	1630	0.273	ug/L #	1
16) Methylene chloride	3.039	84	3762	0.474	ug/L	97
18) trans-1,2-Dichloroethene	3.348	96	5573	0.889	ug/L	98
19) 1,1-Dichloroethane	3.862	63	30524	2.232	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	129535	18.408	ug/L	98
33) Benzene	5.766	78	11533	0.385	ug/L	100
51) Chlorobenzene	9.441	112	57548	3.024	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	59503	4.266	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	367519	27.042	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	4914	0.387	ug/L	98
70) 1,2,4-trichlorobenzene	13.843	180	1929	0.243	ug/L #	89

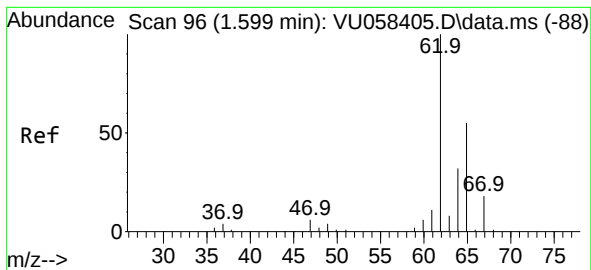
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.837 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.000 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

Instrument :

MSVOA_U

ClientSampleId :

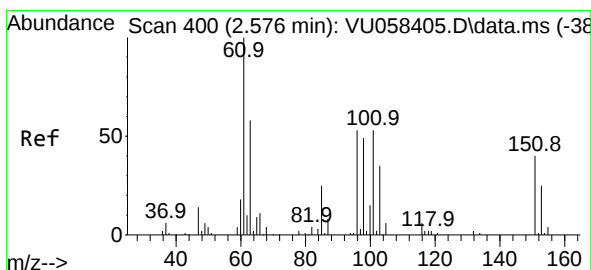
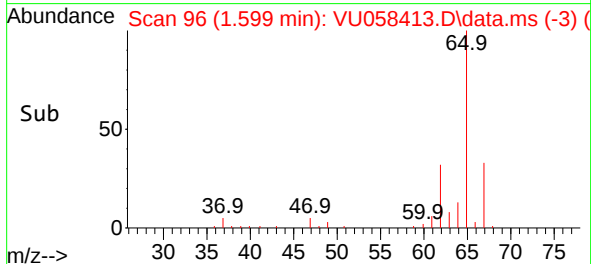
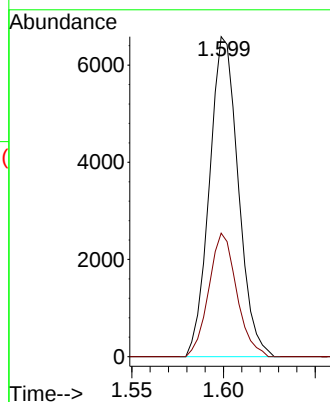
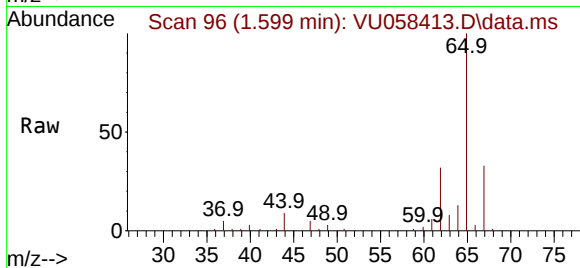
PMW-8S(20240328)

Tgt Ion: 62 Resp: 7197

Ion Ratio Lower Upper

62 100

64 38.6 22.6 42.0



#12

1,1-Dichloroethene

Concen: 0.273 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

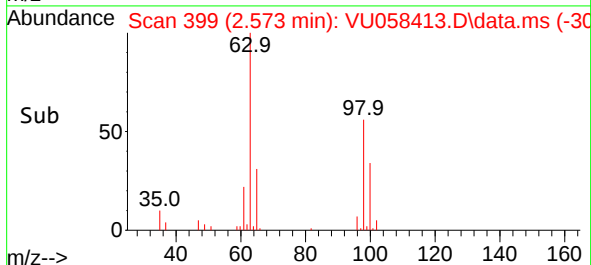
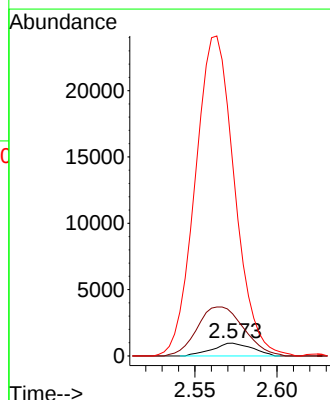
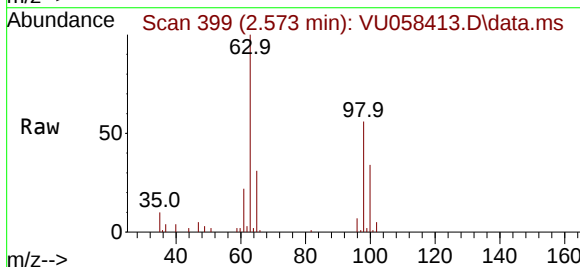
Tgt Ion: 96 Resp: 1630

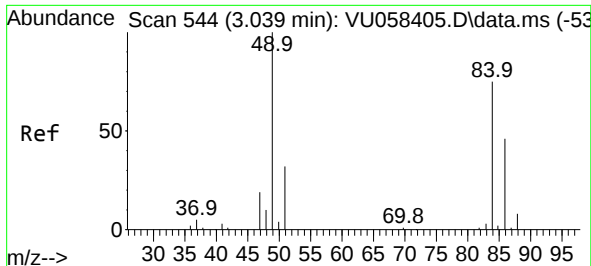
Ion Ratio Lower Upper

96 100

61 330.6 132.5 246.1#

63 1511.4 87.7 162.9#

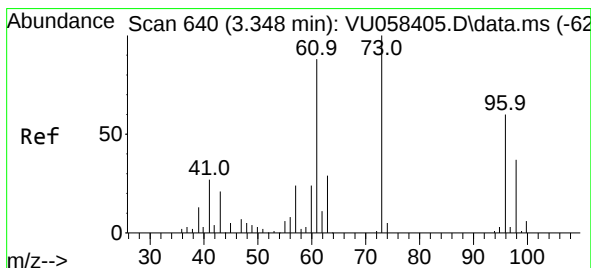
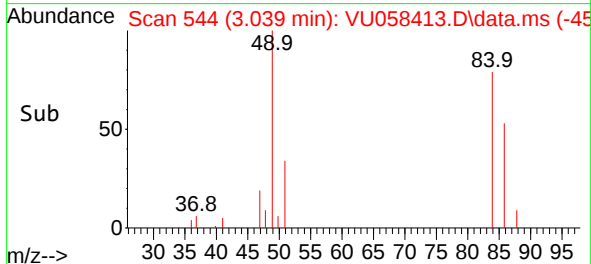
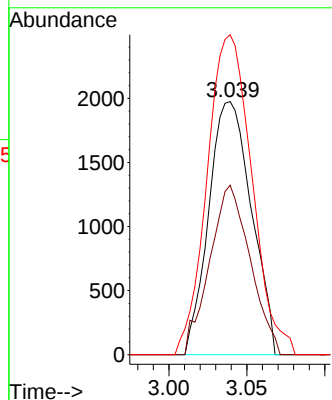
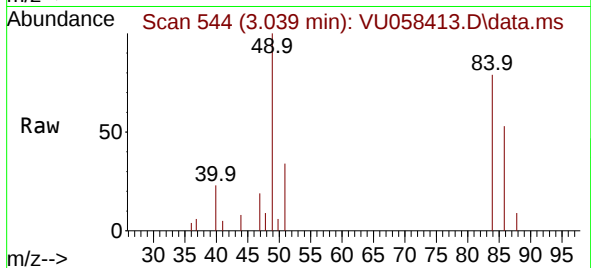




#16
Methylene chloride
Concen: 0.474 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU058413.D
Acq: 05 Apr 2024 12:28

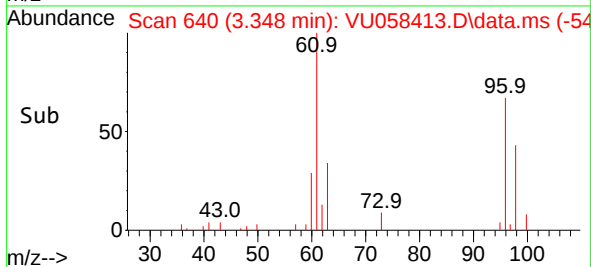
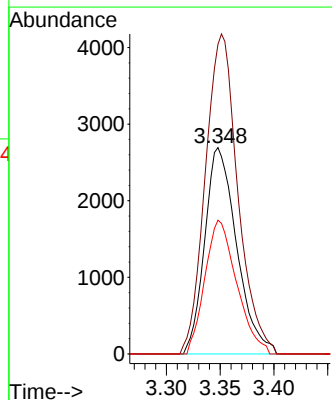
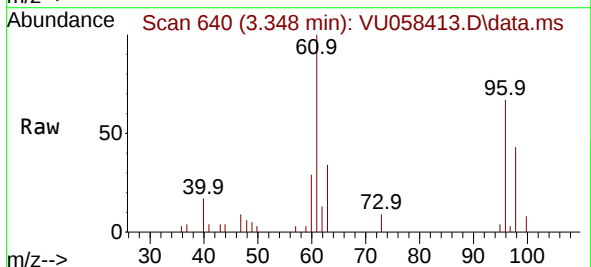
Instrument :
MSVOA_U
ClientSampleId :
PMW-8S(20240328)

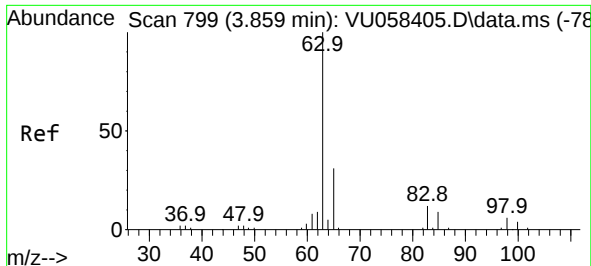
Tgt Ion: 84 Resp: 3762
Ion Ratio Lower Upper
84 100
86 66.9 44.3 82.3
49 134.1 96.0 178.2



#18
trans-1,2-Dichloroethene
Concen: 0.889 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU058413.D
Acq: 05 Apr 2024 12:28

Tgt Ion: 96 Resp: 5573
Ion Ratio Lower Upper
96 100
61 149.9 107.6 199.8
98 64.8 45.1 83.7





#19

1,1-Dichloroethane

Concen: 2.232 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

Instrument :

MSVOA_U

ClientSampleId :

PMW-8S(20240328)

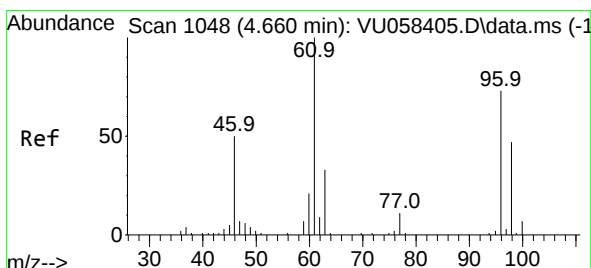
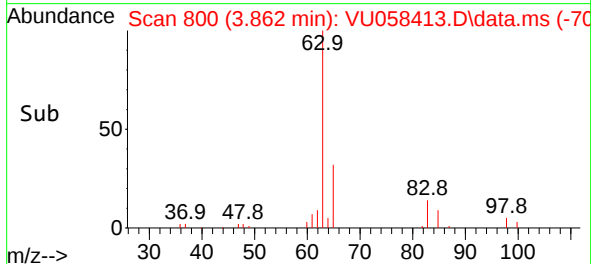
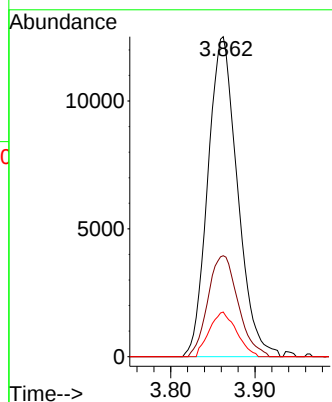
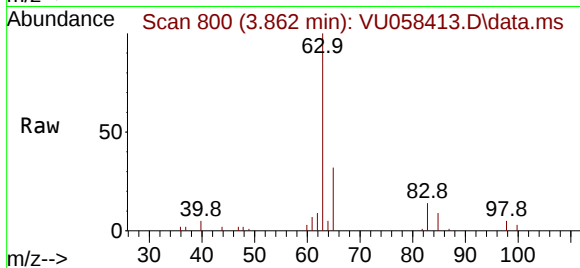
Tgt Ion: 63 Resp: 30524

Ion Ratio Lower Upper

63 100

65 31.5 22.9 42.5

83 13.9 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 18.408 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

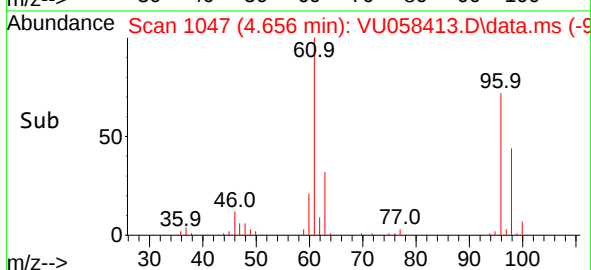
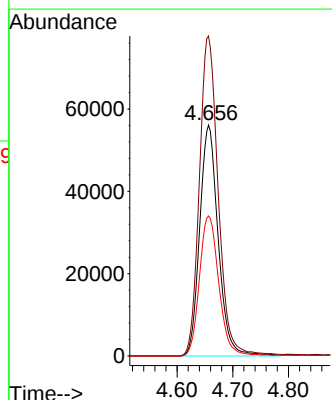
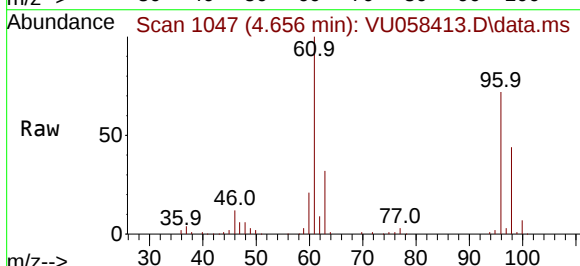
Tgt Ion: 96 Resp: 129535

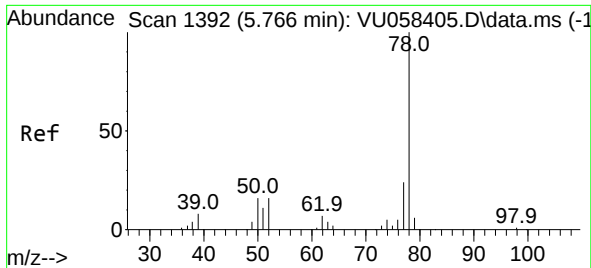
Ion Ratio Lower Upper

96 100

61 138.6 98.1 182.3

98 60.6 43.6 81.0





#33

Benzene

Concen: 0.385 ug/L

RT: 5.766 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

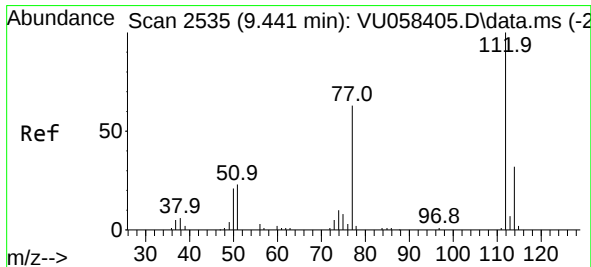
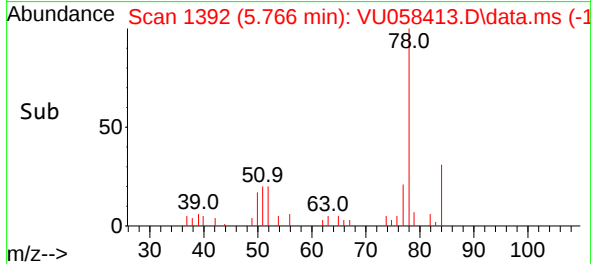
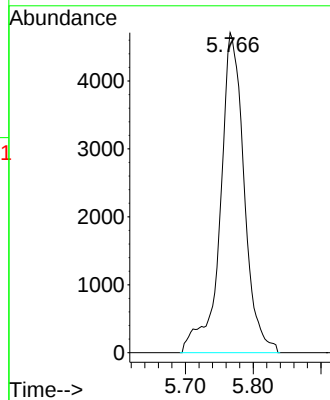
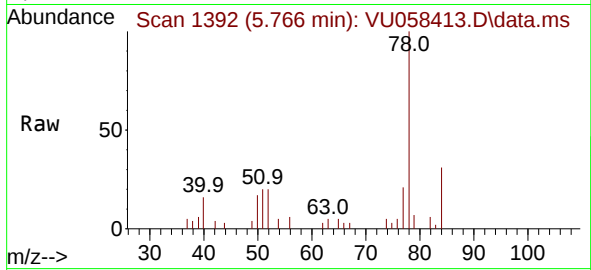
Instrument :

MSVOA_U

ClientSampleId :

PMW-8S(20240328)

Tgt Ion: 78 Resp: 11533



#51

Chlorobenzene

Concen: 3.024 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

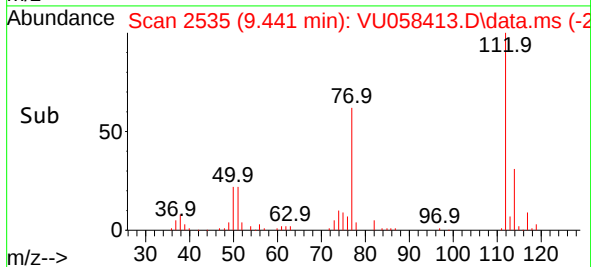
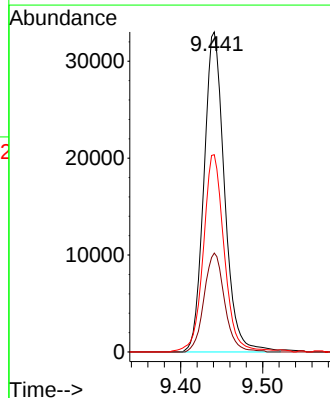
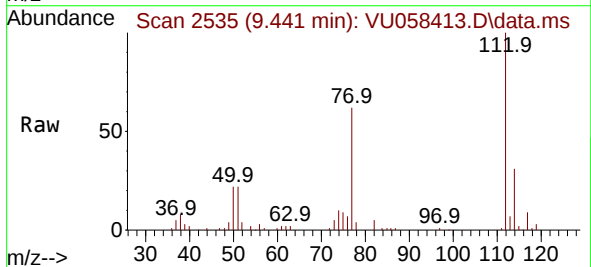
Tgt Ion: 112 Resp: 57548

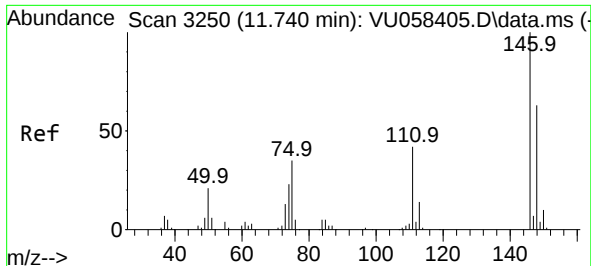
Ion Ratio Lower Upper

112 100

114 30.9 22.4 41.6

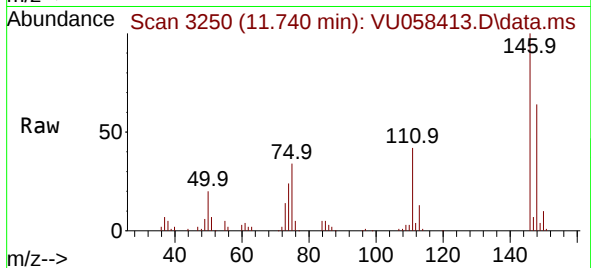
77 61.6 50.1 75.1



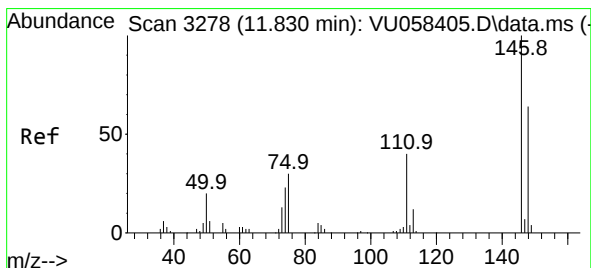
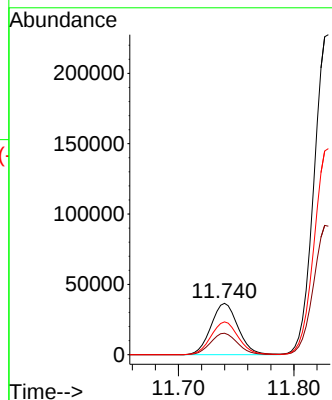
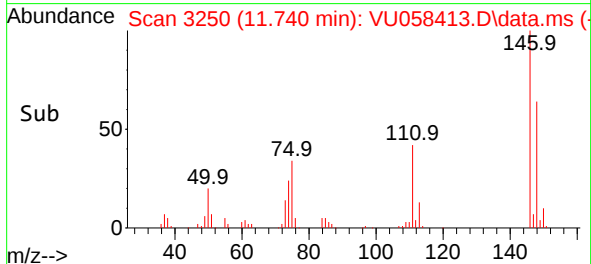


#64
1,3-Dichlorobenzene
Concen: 4.266 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU058413.D
Acq: 05 Apr 2024 12:28

Instrument :
MSVOA_U
ClientSampleId :
PMW-8S(20240328)

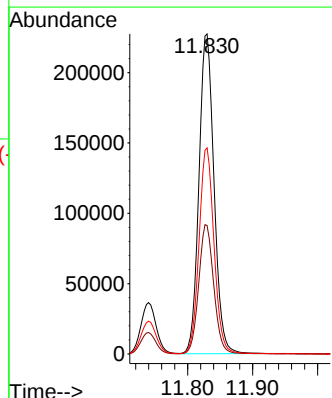
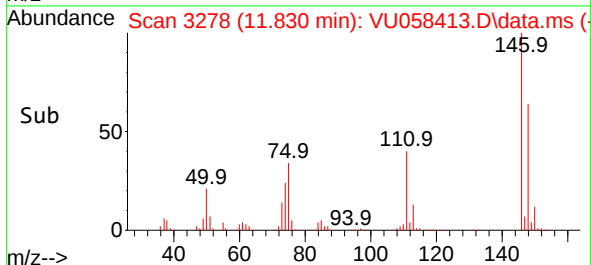
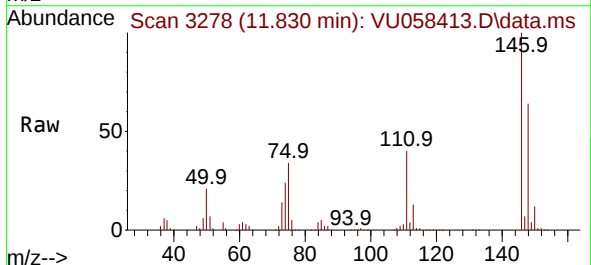


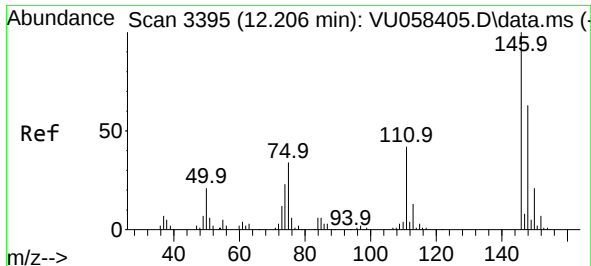
Tgt Ion:146 Resp: 59503
Ion Ratio Lower Upper
146 100
111 41.8 28.8 53.4
148 63.9 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 27.042 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU058413.D
Acq: 05 Apr 2024 12:28

Tgt Ion:146 Resp: 367519
Ion Ratio Lower Upper
146 100
111 40.2 28.8 53.6
148 64.4 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 0.387 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

Instrument :

MSVOA_U

ClientSampleId :

PMW-8S(20240328)

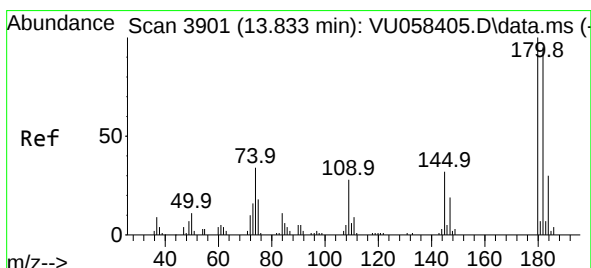
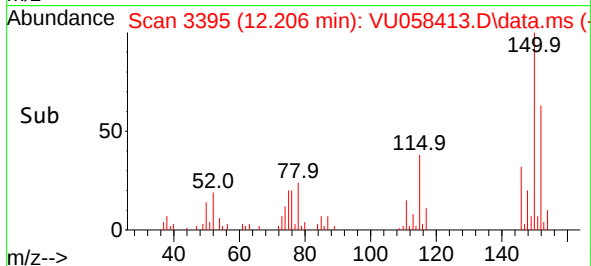
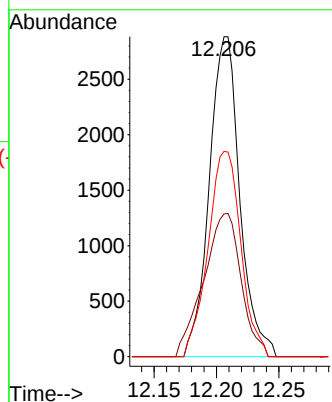
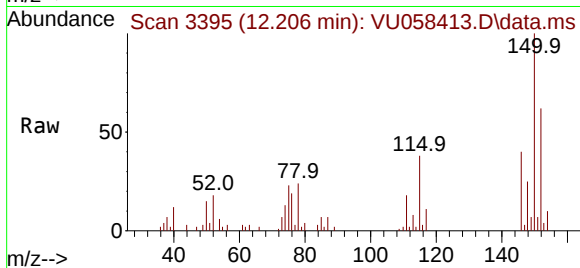
Tgt Ion:146 Resp: 4914

Ion Ratio Lower Upper

146 100

111 44.6 35.0 52.4

148 64.1 52.5 78.7



#70

1,2,4-trichlorobenzene

Concen: 0.243 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.010 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

Tgt Ion:180 Resp: 1929

Ion Ratio Lower Upper

180 100

182 99.6 74.4 111.6

145 16.7 24.1 36.1#

