

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030824\
 Data File : VU058009.D
 Acq On : 08 Mar 2024 12:00
 Operator : MD/SY
 Sample : P1636-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 09 00:11:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 09 00:10:03 2024
 Response via : Initial Calibration

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

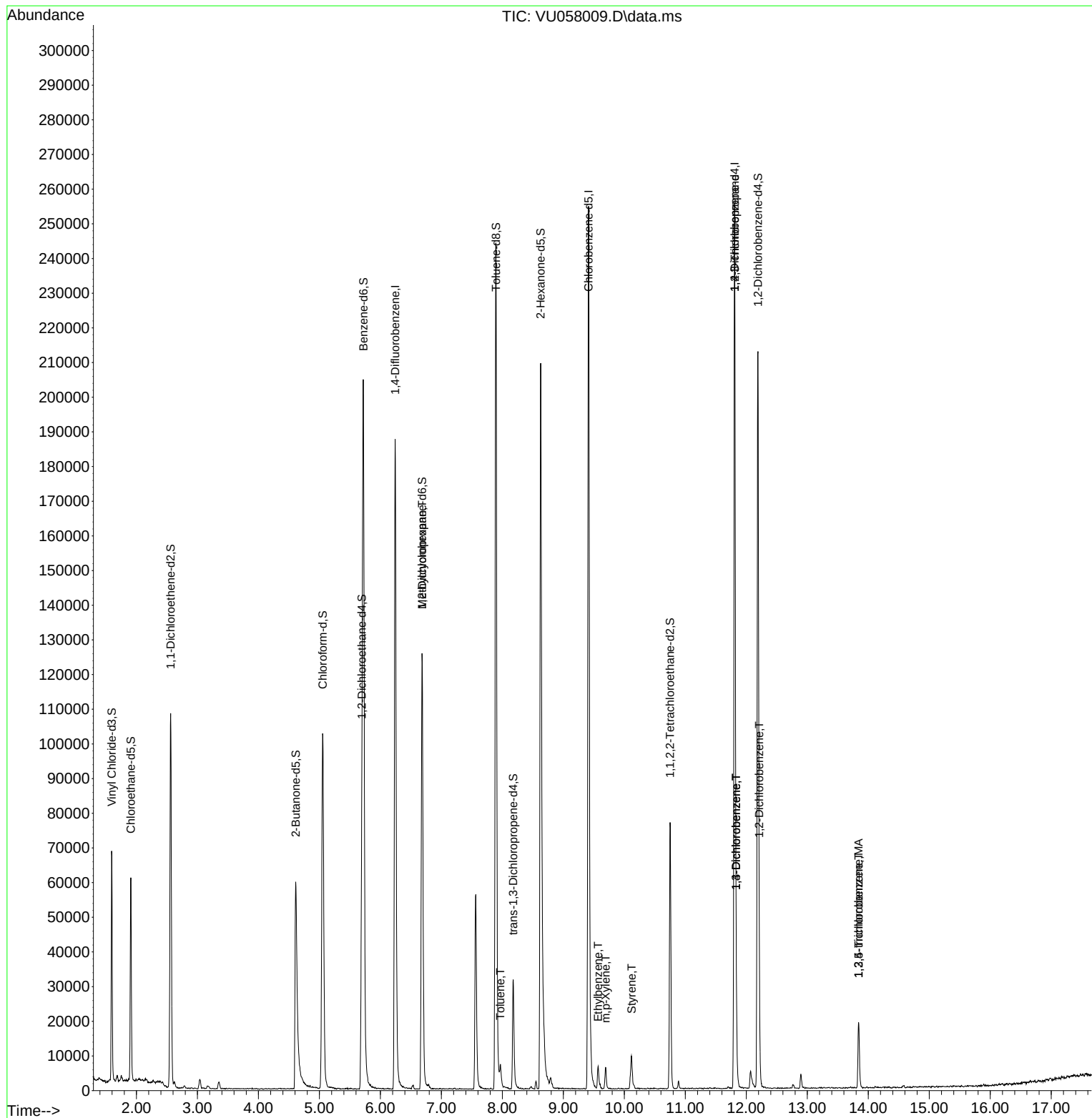
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	149986	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	144965	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	64926	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	46194	4.281	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.600%
7) Chloroethane-d5	1.908	69	41092	4.633	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.600%
11) 1,1-Dichloroethene-d2	2.560	65	20973	4.491	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.800%
20) 2-Butanone-d5	4.612	46	98793	55.563	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.120%
24) Chloroform-d	5.052	84	96886	4.747	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.695	65	47685	5.156	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	5.721	84	195904	4.637	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.682	67	61361	4.778	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.894	98	168441	4.401	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
43) trans-1,3-Dichloroprop...	8.177	79	19451	4.404	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.000%
46) 2-Hexanone-d5	8.627	63	78437	52.899	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.800%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	39634	5.033	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	54381	5.086	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						Qvalue
35) Methylcyclohexane	6.682	83	13708	0.764	ug/L #	18
42) Toluene	7.965	91	4362	0.094	ug/L	91
52) Ethylbenzene	9.570	91	5186	0.100	ug/L	95
53) m,p-Xylene	9.692	106	2147	0.116	ug/L	73
55) Styrene	10.119	104	5008	0.173	ug/L	99
61) 1,2,3-Trichloropropane	11.811	75	11321	2.129	ug/L #	66
64) 1,3-Dichlorobenzene	11.833	146	7969	0.405	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	7969	0.414	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	8104	0.472	ug/L	91
69) 1,3,5-Trichlorobenzene	13.839	180	6783	0.480	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	6783	0.639	ug/L	95

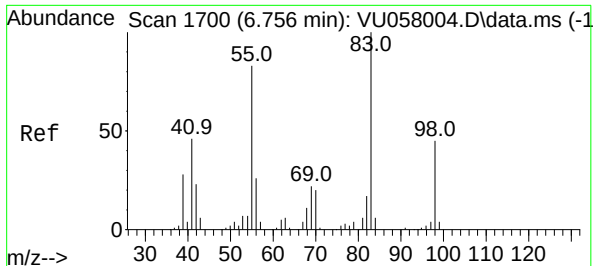
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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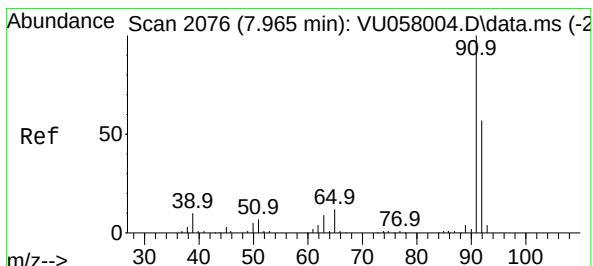
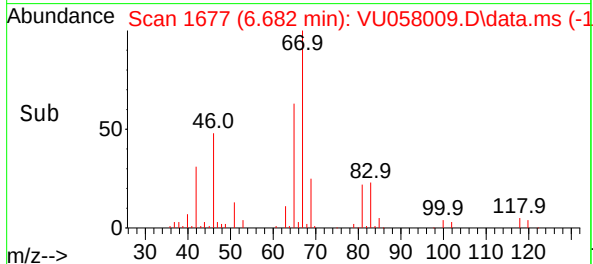
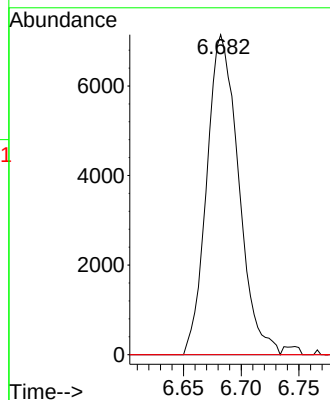
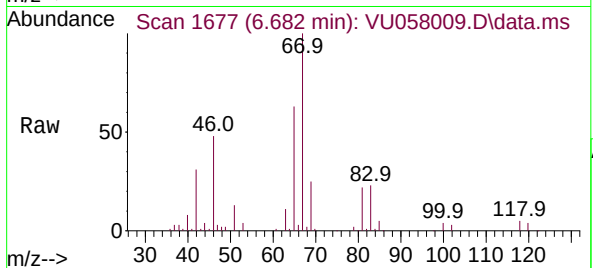




#35
Methylcyclohexane
Concen: 0.764 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU058009.D
Acq: 08 Mar 2024 12:00

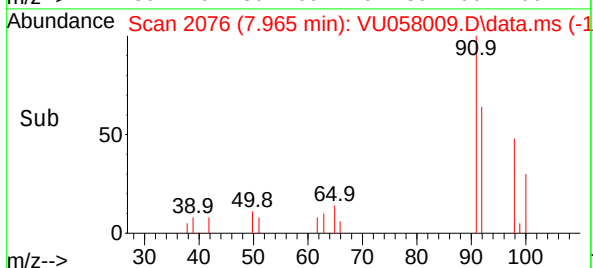
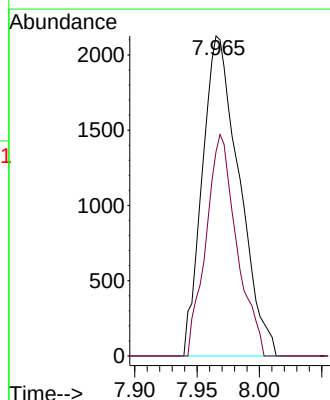
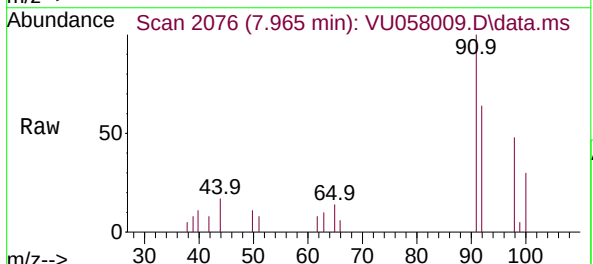
Instrument :
MSVOA_U
ClientSampleId :

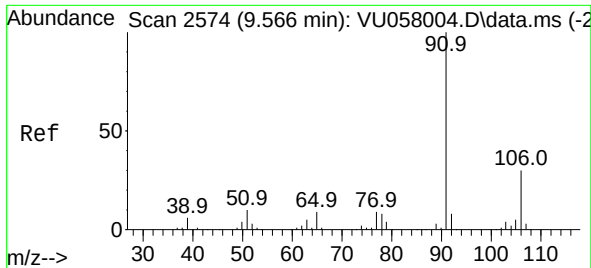
Tgt Ion: 83 Resp: 13708
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.6#
98 0.0 36.2 54.4#



#42
Toluene
Concen: 0.094 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VU058009.D
Acq: 08 Mar 2024 12:00

Tgt Ion: 91 Resp: 4362
Ion Ratio Lower Upper
91 100
92 63.9 40.2 74.6

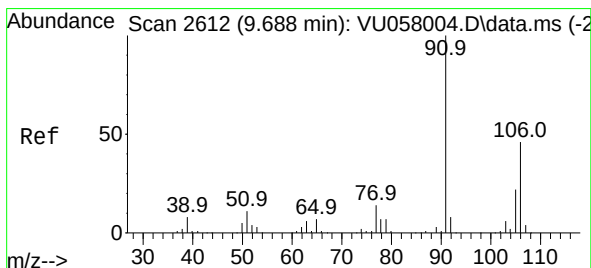
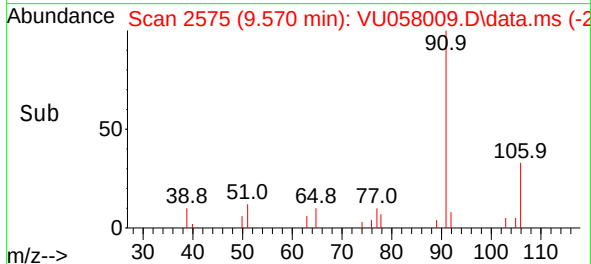
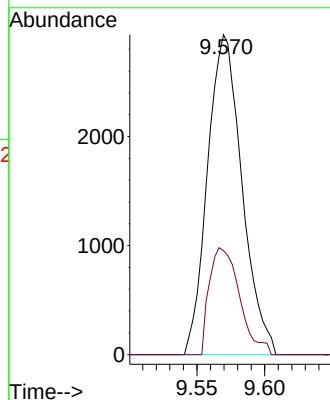
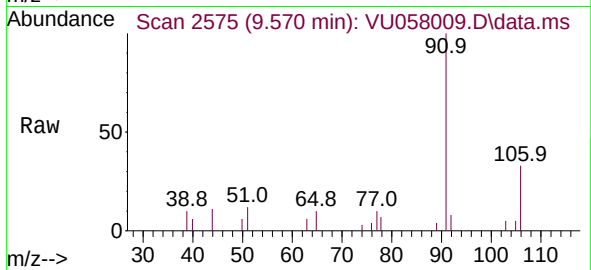




#52
Ethylbenzene
Concen: 0.100 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU058009.D
Acq: 08 Mar 2024 12:00

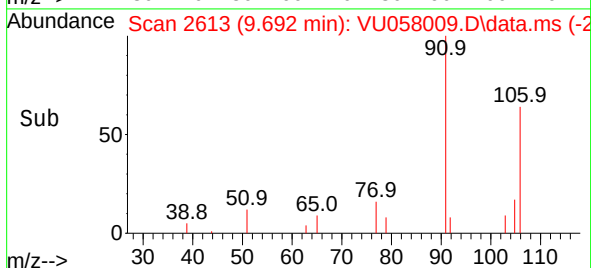
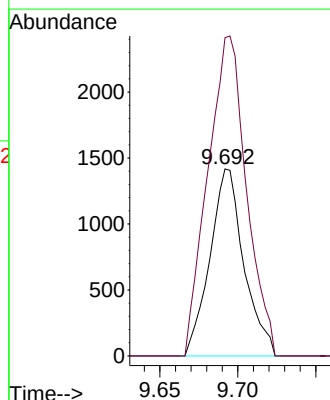
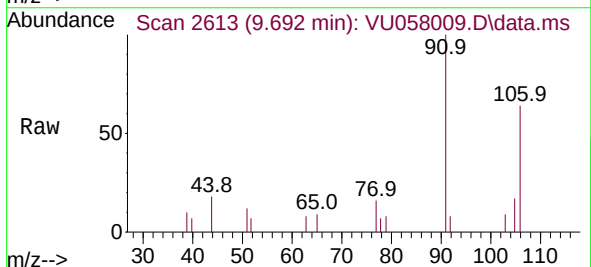
Instrument :
MSVOA_U
ClientSampleId :

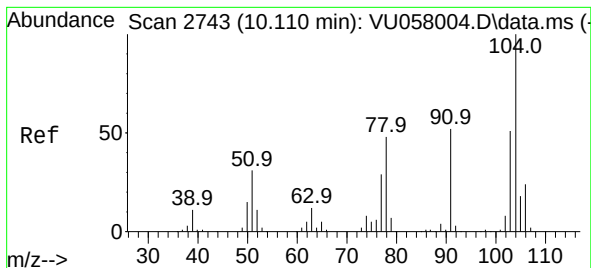
Tgt Ion: 91 Resp: 5186
Ion Ratio Lower Upper
91 100
106 32.5 20.9 38.7



#53
m,p-Xylene
Concen: 0.116 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU058009.D
Acq: 08 Mar 2024 12:00

Tgt Ion:106 Resp: 2147
Ion Ratio Lower Upper
106 100
91 170.2 148.8 276.4





#55

Styrene

Concen: 0.173 ug/L

RT: 10.119 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU058009.D

Acq: 08 Mar 2024 12:00

Instrument :

MSVOA_U

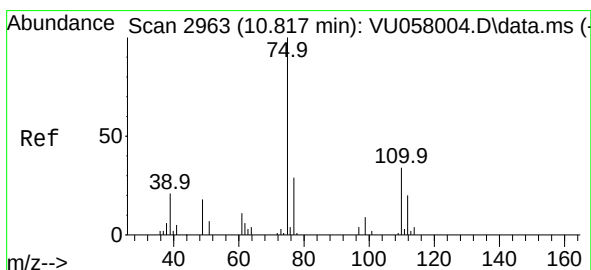
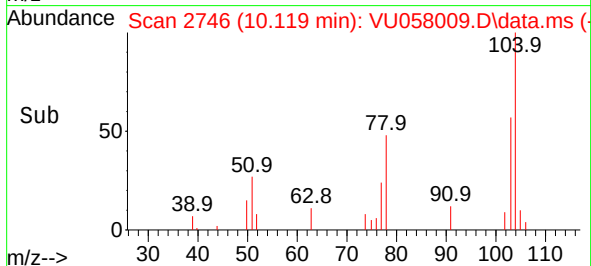
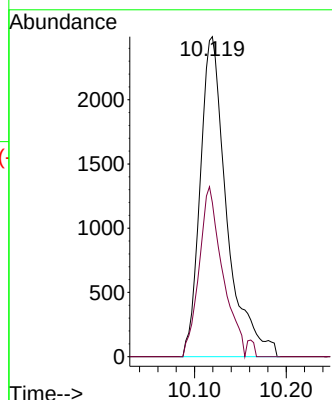
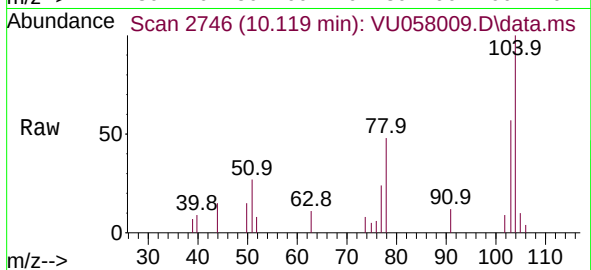
ClientSampleId :

Tgt Ion:104 Resp: 5008

Ion Ratio Lower Upper

104 100

78 48.1 34.2 63.4



#61

1,2,3-Trichloropropane

Concen: 2.129 ug/L

RT: 11.811 min Scan# 3272

Delta R.T. 0.994 min

Lab File: VU058009.D

Acq: 08 Mar 2024 12:00

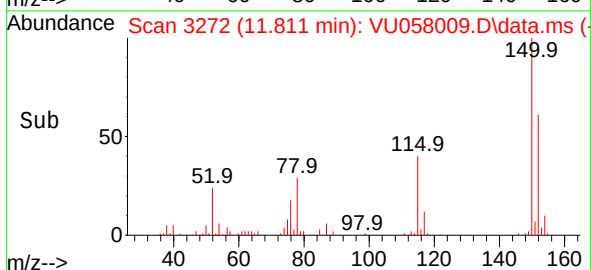
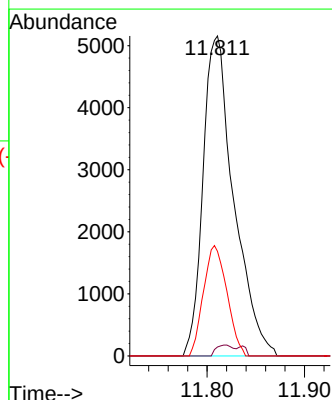
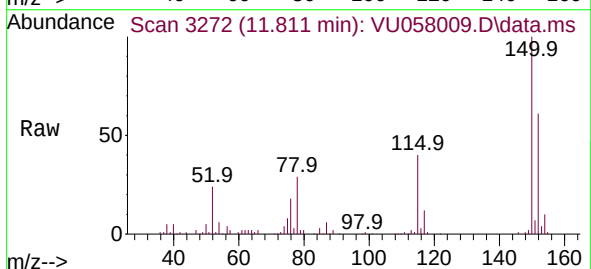
Tgt Ion: 75 Resp: 11321

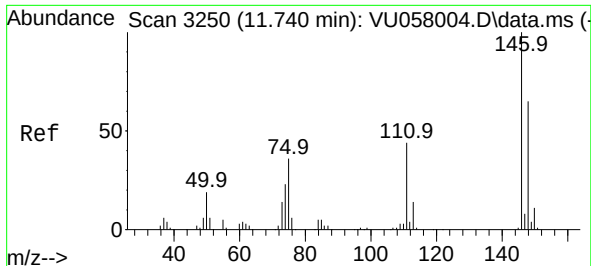
Ion Ratio Lower Upper

75 100

110 2.0 28.0 42.0#

77 26.2 24.7 37.1





#64

1,3-Dichlorobenzene

Concen: 0.405 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.093 min

Lab File: VU058009.D

Acq: 08 Mar 2024 12:00

Instrument :

MSVOA_U

ClientSampleId :

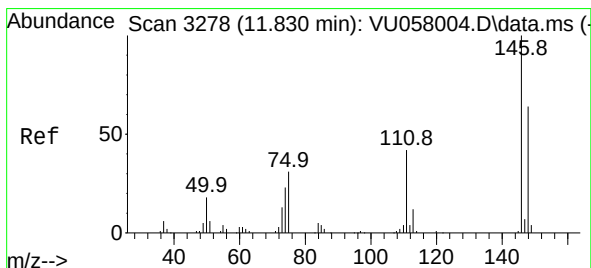
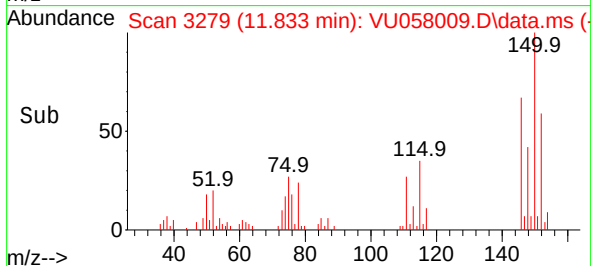
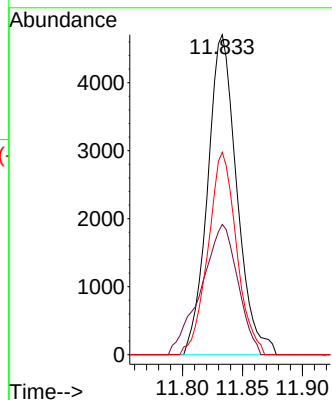
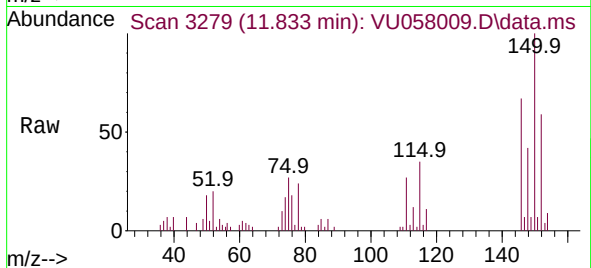
Tgt Ion:146 Resp: 7969

Ion Ratio Lower Upper

146 100

111 40.7 30.9 57.5

148 63.2 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 0.414 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU058009.D

Acq: 08 Mar 2024 12:00

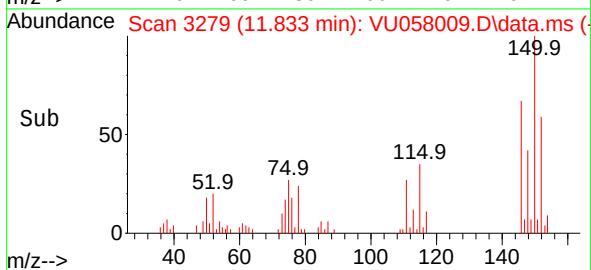
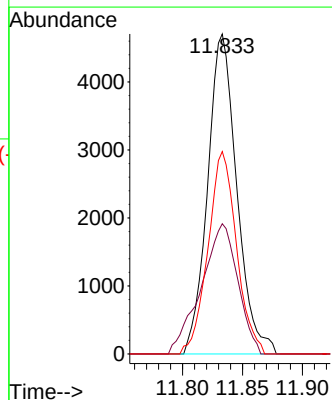
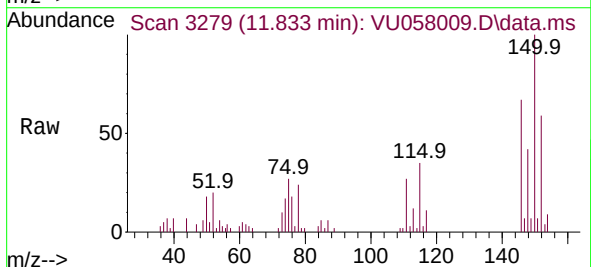
Tgt Ion:146 Resp: 7969

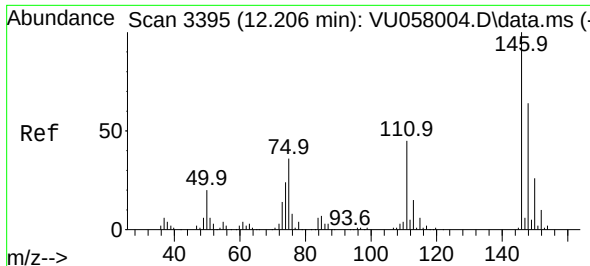
Ion Ratio Lower Upper

146 100

111 40.7 30.1 55.9

148 63.2 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 0.472 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU058009.D

Acq: 08 Mar 2024 12:00

Instrument :

MSVOA_U

ClientSampleId :

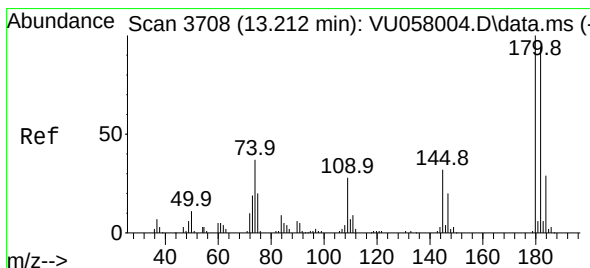
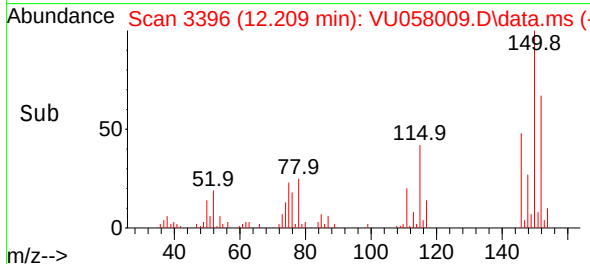
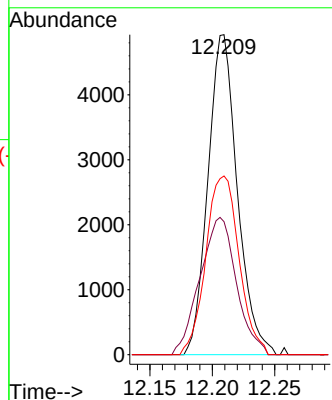
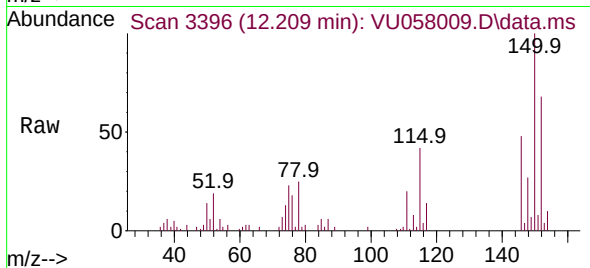
Tgt Ion:146 Resp: 8104

Ion Ratio Lower Upper

146 100

111 41.5 37.4 56.0

148 55.8 50.8 76.2



#69

1,3,5-Trichlorobenzene

Concen: 0.480 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.627 min

Lab File: VU058009.D

Acq: 08 Mar 2024 12:00

Tgt Ion:180 Resp: 6783

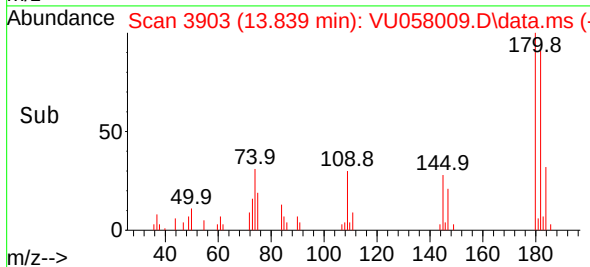
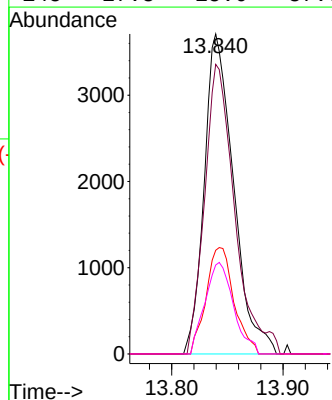
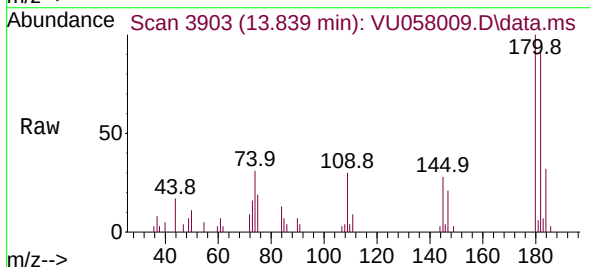
Ion Ratio Lower Upper

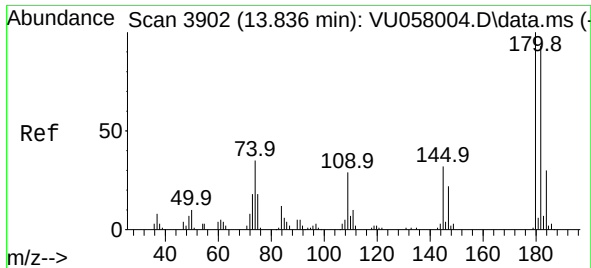
180 100

182 93.0 76.3 114.5

184 31.6 24.6 36.8

145 27.8 25.0 37.6





#70

1,2,4-trichlorobenzene

Concen: 0.639 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.003 min

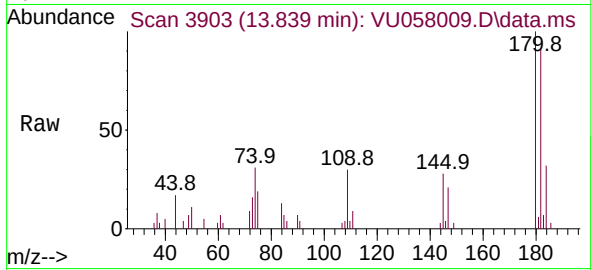
Lab File: VU058009.D

Acq: 08 Mar 2024 12:00

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 6783

Ion Ratio Lower Upper

180 100

182 93.0 77.9 116.9

145 27.8 25.8 38.8

