

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072324\
 Data File : VU060120.D
 Acq On : 23 Jul 2024 17:22
 Operator : MD/SY
 Sample : P3280-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZD9

Quant Time: Jul 24 04:23:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 24 04:18:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	117106	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	122346	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	66998	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.596	65	28647	3.516	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.400%
7) Chloroethane-d5	1.908	69	30471	4.026	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.600%
11) 1,1-Dichloroethene-d2	2.560	65	12175	3.827	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.600%
20) 2-Butanone-d5	4.641	46	50564	26.544	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	53.080%
24) Chloroform-d	5.055	84	74086	4.326	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	5.698	65	38387	4.814	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.721	84	134883	4.115	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
36) 1,2-Dichloropropane-d6	6.685	67	46971	4.497	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.000%
41) Toluene-d8	7.894	98	105843	3.574	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.400%
43) trans-1,3-Dichloroprop...	8.177	79	11358	3.194	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.800%
46) 2-Hexanone-d5	8.631	63	76887	48.731	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.460%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	47940	5.157	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	47432	3.922	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.400%#

Target Compounds

					Qvalue
5) Vinyl chloride	1.599	62	3727	0.311	ug/L # 81
8) Chloroethane	1.930	64	14447	1.845	ug/L 95
16) Methylene chloride	3.036	84	2817	0.257	ug/L 89
17) Methyl tert-butyl Ether	3.358	73	29576	1.451	ug/L # 92
18) trans-1,2-Dichloroethene	3.348	96	17829	1.918	ug/L 93
19) 1,1-Dichloroethane	3.859	63	62724	3.553	ug/L 99
22) cis-1,2-Dichloroethene	4.666	96	3049	0.293	ug/L 86
30) Cyclohexane	5.383	56	6967	0.576	ug/L 96
33) Benzene	5.769	78	205521	5.085	ug/L 100
35) Methylcyclohexane	6.756	83	28754	2.046	ug/L 92
51) Chlorobenzene	9.444	112	20257	0.721	ug/L 94
52) Ethylbenzene	9.566	91	23426	0.546	ug/L 95
53) m,p-Xylene	9.695	106	9954	0.601	ug/L 99
54) o-Xylene	10.097	106	5462	0.345	ug/L 99
60) Isopropylbenzene	10.480	105	40584	0.926	ug/L 99
64) 1,3-Dichlorobenzene	11.746	146	8156	0.346	ug/L 94
65) 1,4-Dichlorobenzene	11.833	146	12130	0.505	ug/L 95
67) 1,2-Dichlorobenzene	12.206	146	92033	4.078	ug/L 100
70) 1,2,4-trichlorobenzene	13.836	180	12741	0.941	ug/L # 48

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jul 24 04:18:44 2024
Response via : Initial Calibration

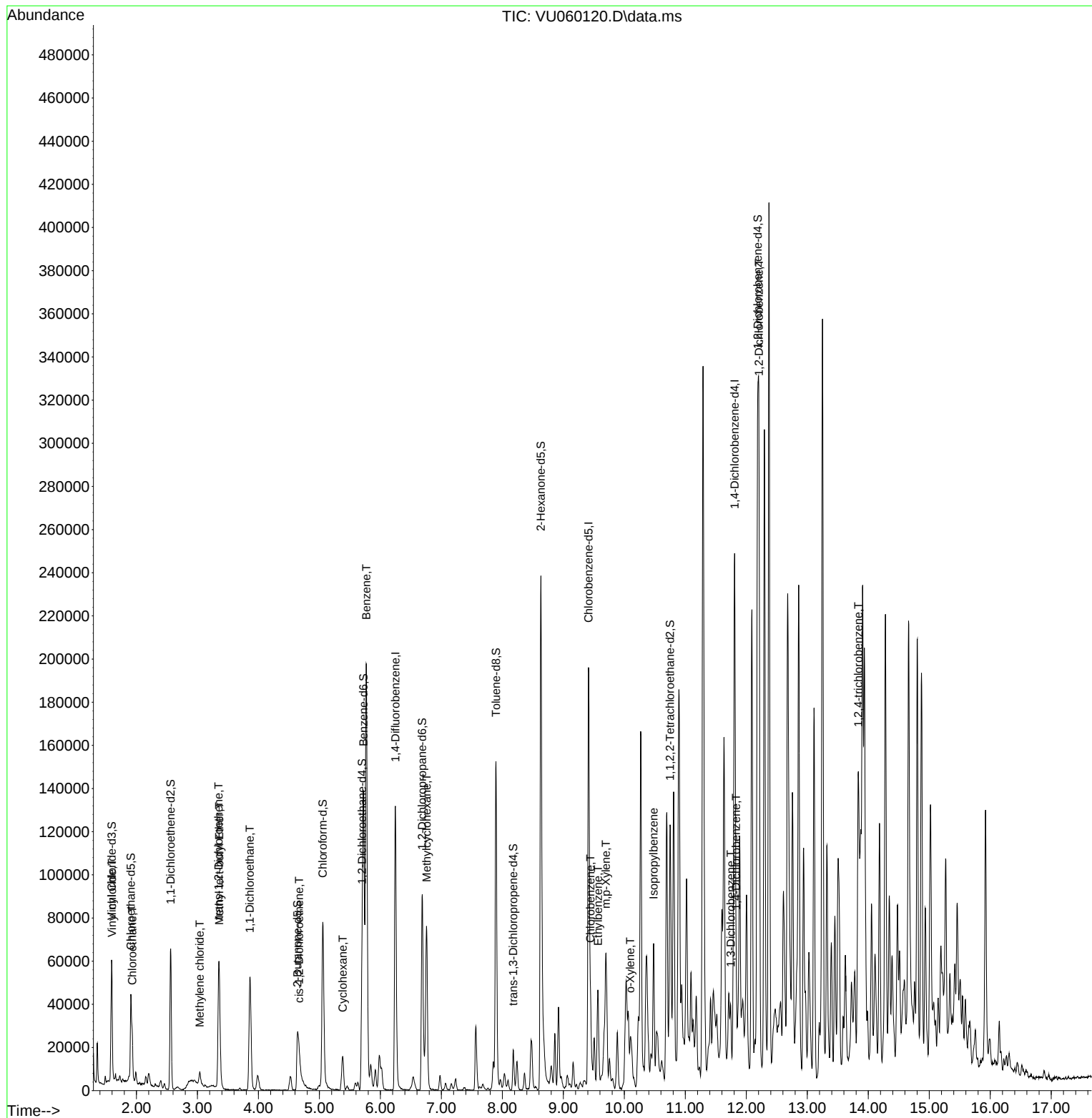
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

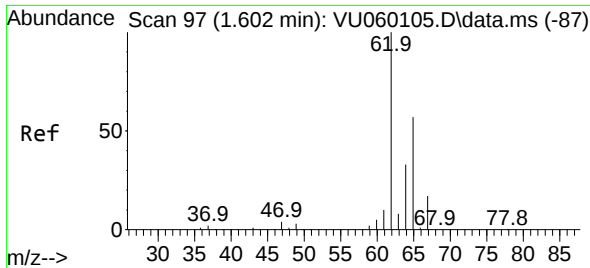
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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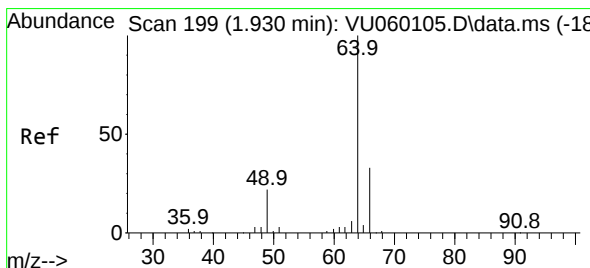
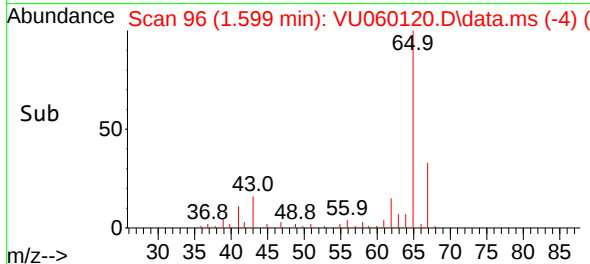
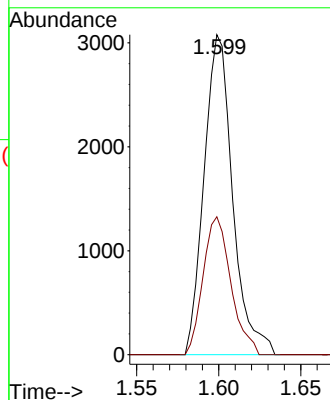
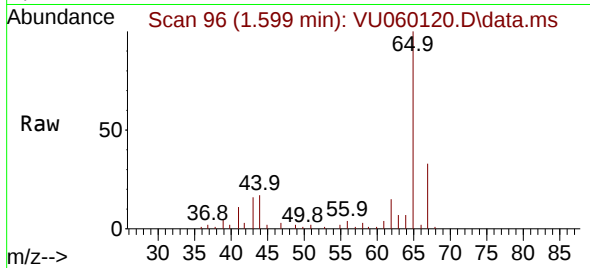




#5
 Vinyl chloride
 Concen: 0.311 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU060120.D
 Acq: 23 Jul 2024 17:22

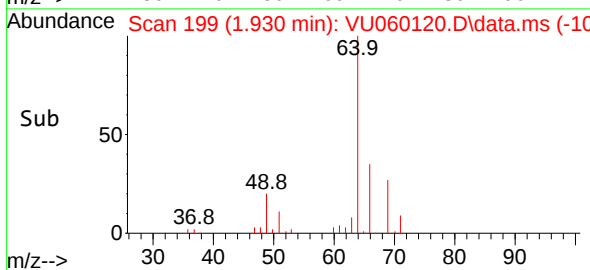
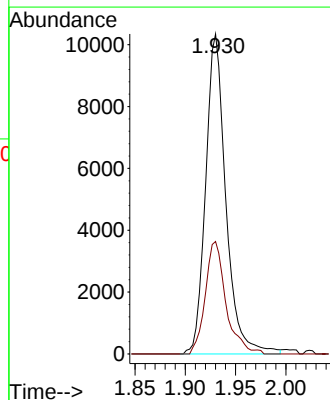
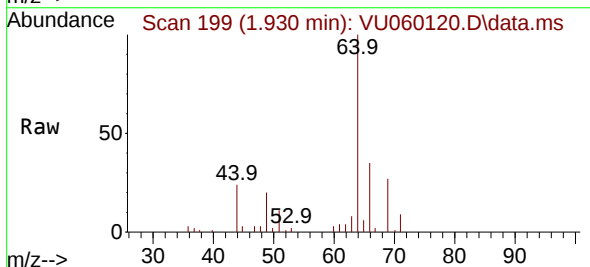
Instrument :
 MSVOA_U
 ClientSampleId :
 YDZD9

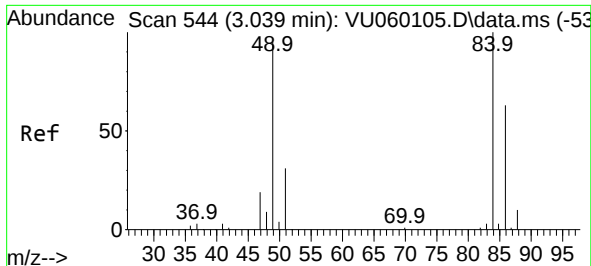
Tgt Ion: 62 Resp: 3727
 Ion Ratio Lower Upper
 62 100
 64 43.1 22.8 42.4#



#8
 Chloroethane
 Concen: 1.845 ug/L
 RT: 1.930 min Scan# 199
 Delta R.T. 0.000 min
 Lab File: VU060120.D
 Acq: 23 Jul 2024 17:22

Tgt Ion: 64 Resp: 14447
 Ion Ratio Lower Upper
 64 100
 66 35.2 22.8 42.4



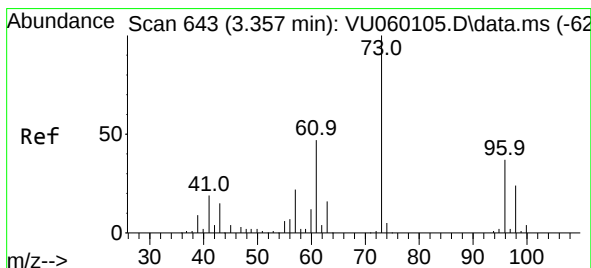
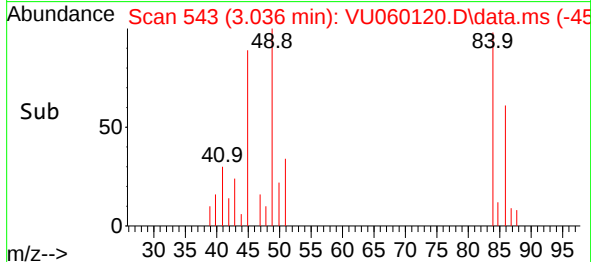
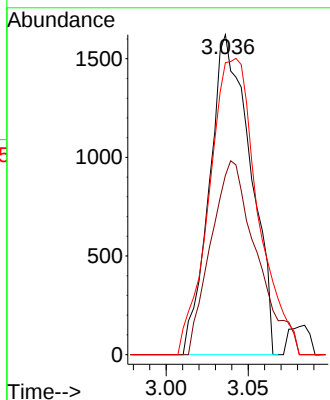
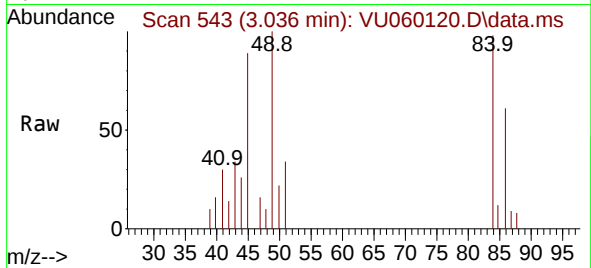


#16
Methylene chloride
Concen: 0.257 ug/L
RT: 3.036 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU060120.D
Acq: 23 Jul 2024 17:22

Instrument :
MSVOA_U
ClientSampleId :
YDZD9

Tgt Ion: 84 Resp: 2817

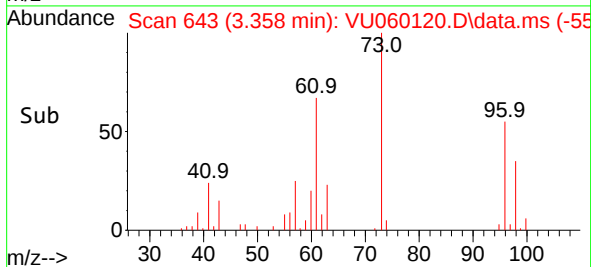
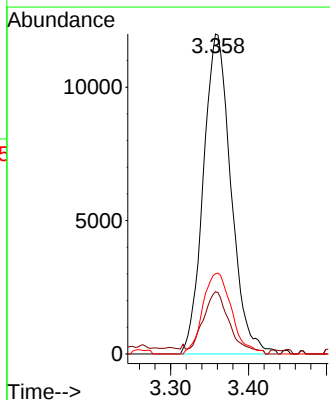
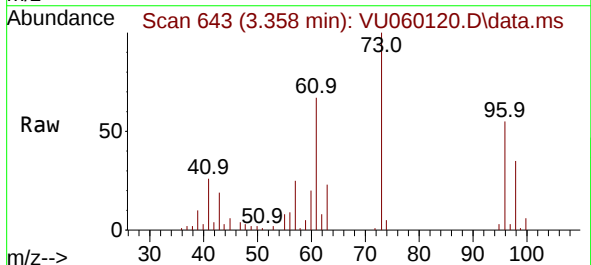
Ion	Ratio	Lower	Upper
84	100		
86	56.0	44.4	82.5
49	91.2	72.0	133.6

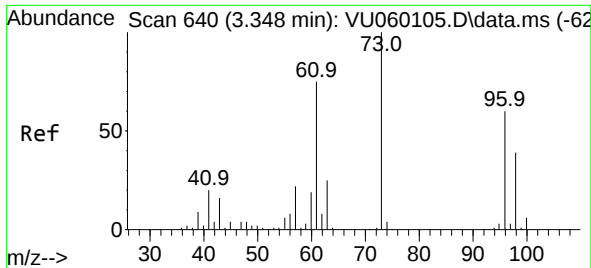


#17
Methyl tert-butyl Ether
Concen: 1.451 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU060120.D
Acq: 23 Jul 2024 17:22

Tgt Ion: 73 Resp: 29576

Ion	Ratio	Lower	Upper
73	100		
43	18.6	13.1	19.7
57	26.3	17.0	25.4



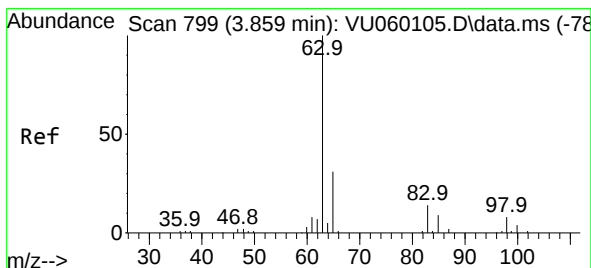
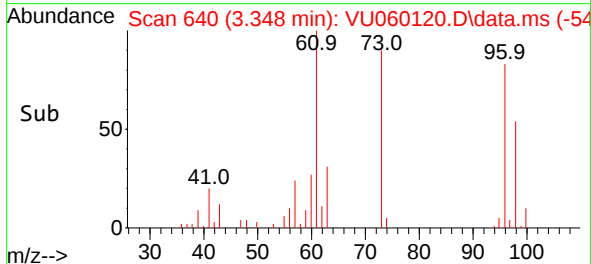
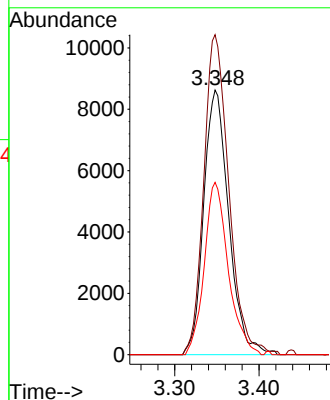
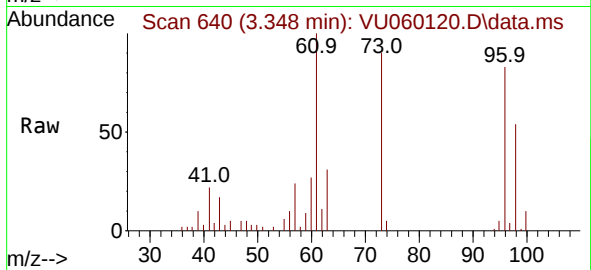


#18
 trans-1,2-Dichloroethene
 Concen: 1.918 ug/L
 RT: 3.348 min Scan# 640
 Delta R.T. 0.000 min
 Lab File: VU060120.D
 Acq: 23 Jul 2024 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZD9

Tgt Ion: 96 Resp: 17829

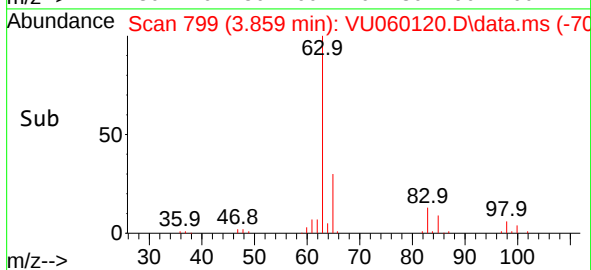
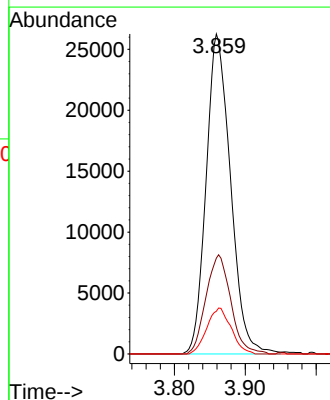
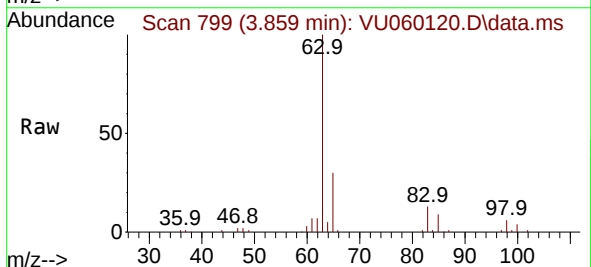
Ion	Ratio	Lower	Upper
96	100		
61	120.9	91.6	170.0
98	65.1	47.7	88.5

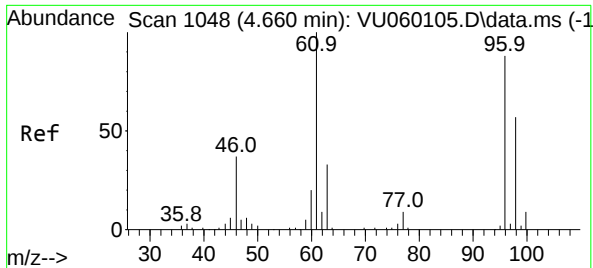


#19
 1,1-Dichloroethane
 Concen: 3.553 ug/L
 RT: 3.859 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VU060120.D
 Acq: 23 Jul 2024 17:22

Tgt Ion: 63 Resp: 62724

Ion	Ratio	Lower	Upper
63	100		
65	30.7	22.0	40.8
83	13.4	9.7	17.9





#22

cis-1,2-Dichloroethene

Concen: 0.293 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.007 min

Lab File: VU060120.D

Acq: 23 Jul 2024 17:22

Instrument :

MSVOA_U

ClientSampleId :

YDZD9

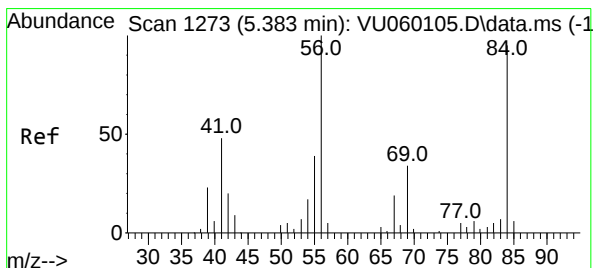
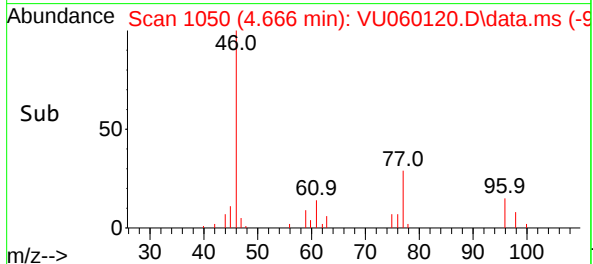
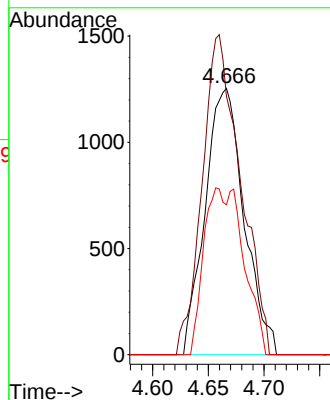
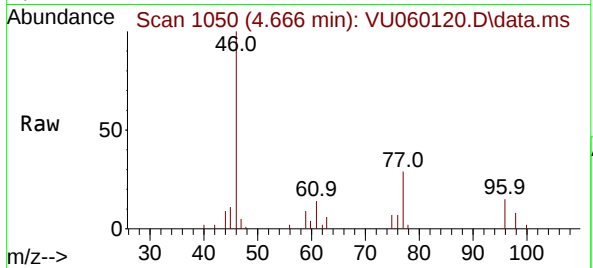
Tgt Ion: 96 Resp: 3049

Ion Ratio Lower Upper

96 100

61 97.0 80.2 148.9

98 56.3 44.7 83.1



#30

Cyclohexane

Concen: 0.576 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU060120.D

Acq: 23 Jul 2024 17:22

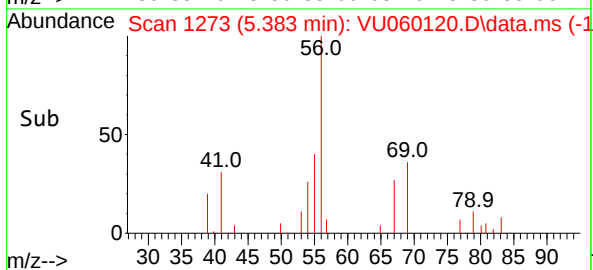
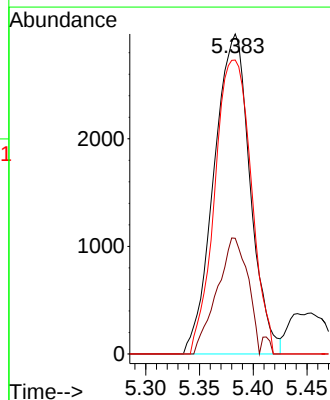
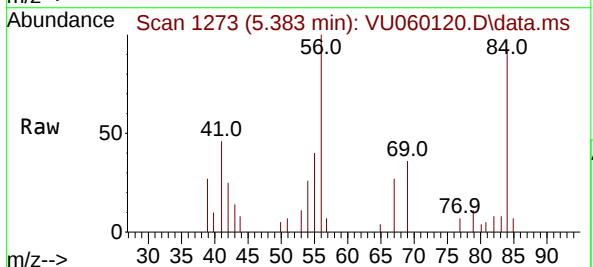
Tgt Ion: 56 Resp: 6967

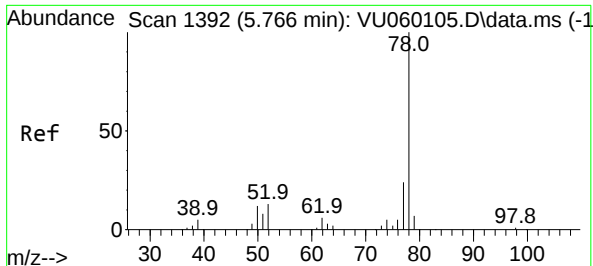
Ion Ratio Lower Upper

56 100

69 30.9 26.6 39.8

84 92.3 77.2 115.8





#33

Benzene

Concen: 5.085 ug/L

RT: 5.769 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU060120.D

Acq: 23 Jul 2024 17:22

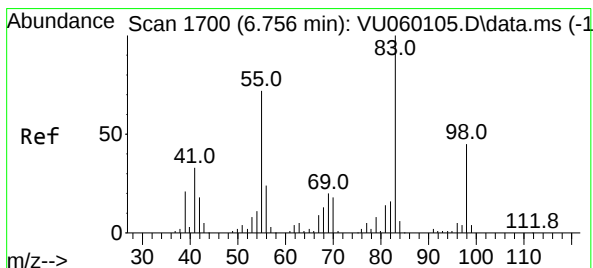
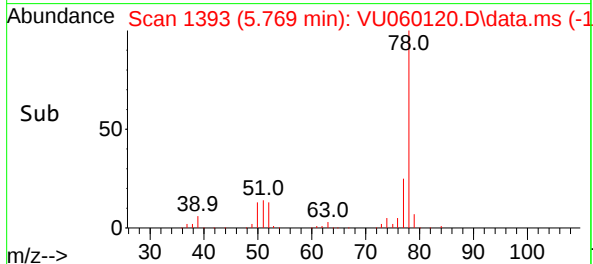
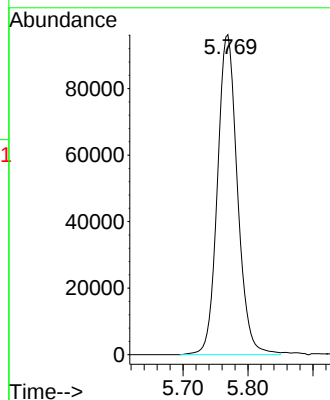
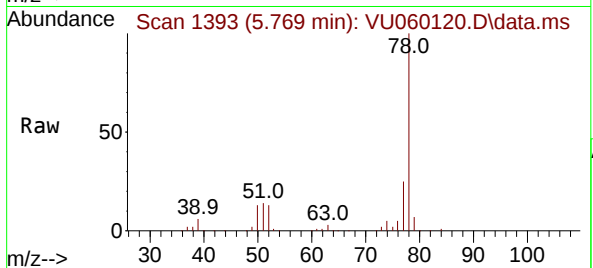
Instrument :

MSVOA_U

ClientSampleId :

YDZD9

Tgt Ion: 78 Resp: 205521



#35

Methylcyclohexane

Concen: 2.046 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU060120.D

Acq: 23 Jul 2024 17:22

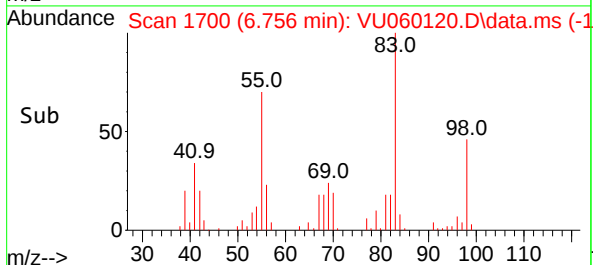
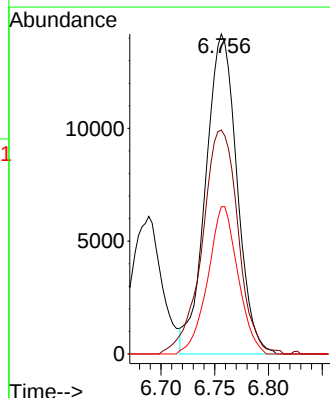
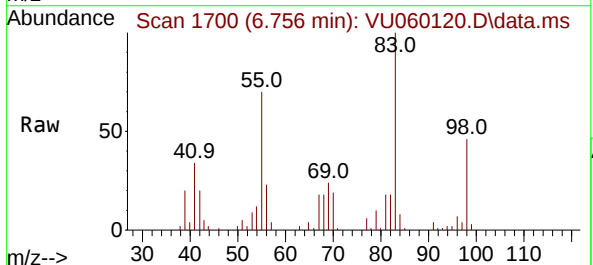
Tgt Ion: 83 Resp: 28754

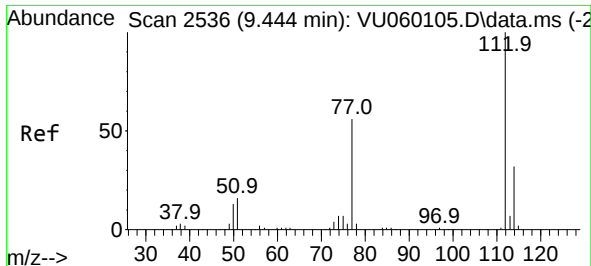
Ion Ratio Lower Upper

83 100

55 80.0 56.7 85.1

98 44.2 36.6 55.0

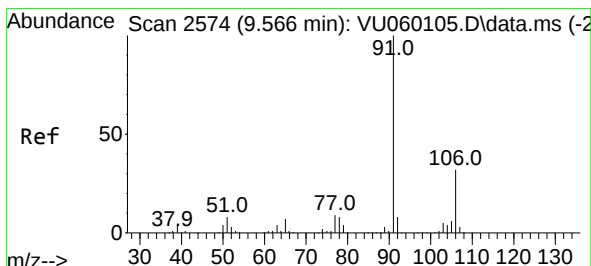
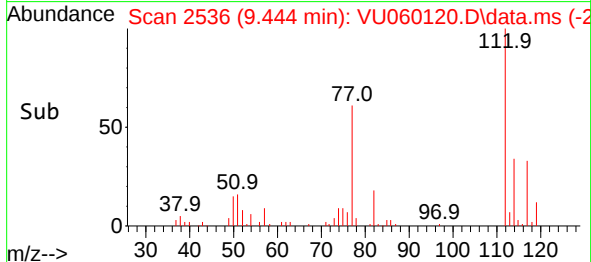
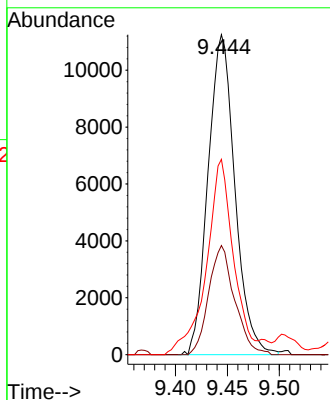
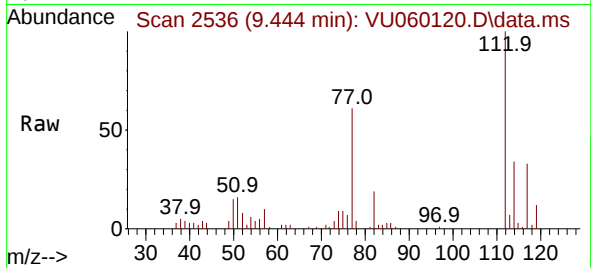




#51
Chlorobenzene
Concen: 0.721 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU060120.D
Acq: 23 Jul 2024 17:22

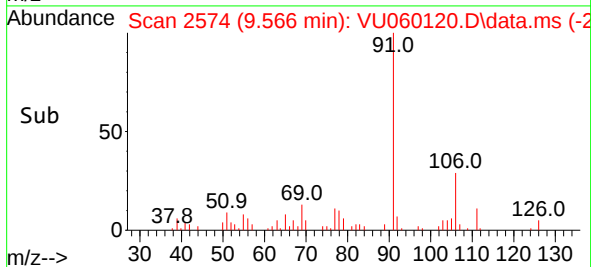
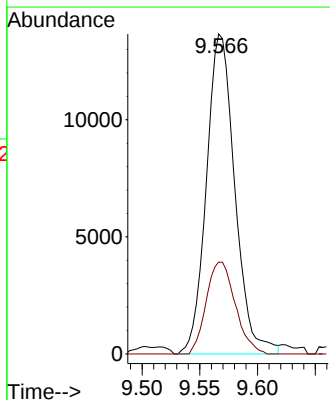
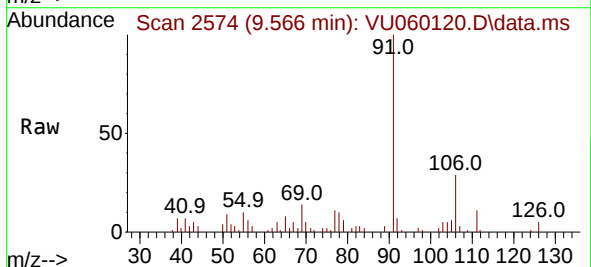
Instrument :
MSVOA_U
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YDZD9

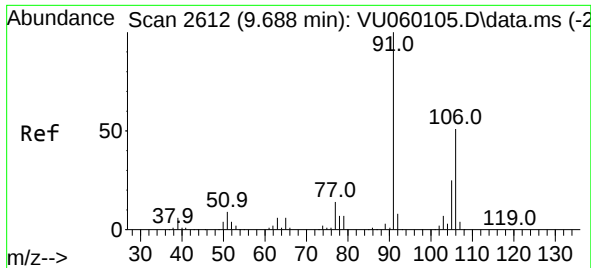
Tgt Ion:112 Resp: 20257
Ion Ratio Lower Upper
112 100
114 34.1 22.1 41.1
77 61.1 44.7 67.1



#52
Ethylbenzene
Concen: 0.546 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU060120.D
Acq: 23 Jul 2024 17:22

Tgt Ion: 91 Resp: 23426
Ion Ratio Lower Upper
91 100
106 28.7 21.9 40.7

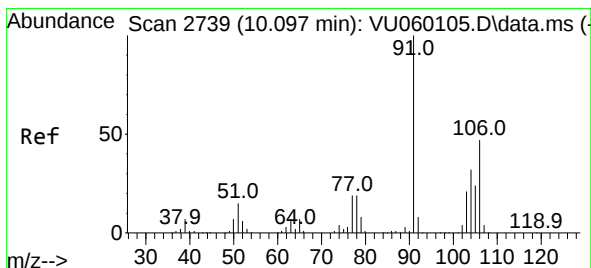
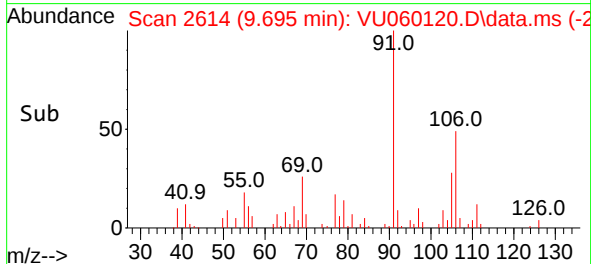
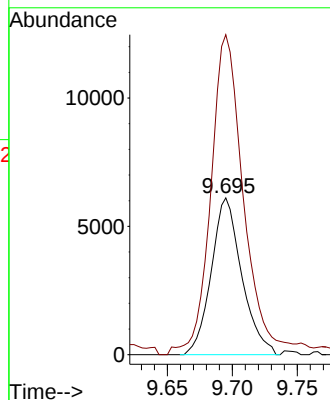
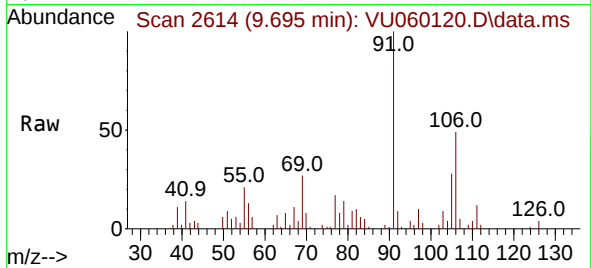




#53
m,p-Xylene
Concen: 0.601 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.007 min
Lab File: VU060120.D
Acq: 23 Jul 2024 17:22

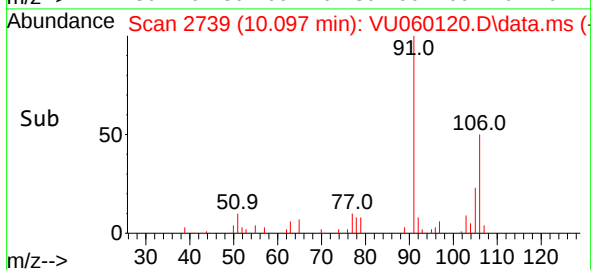
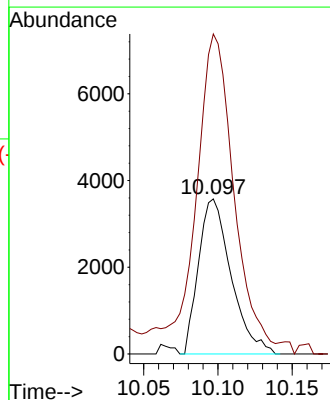
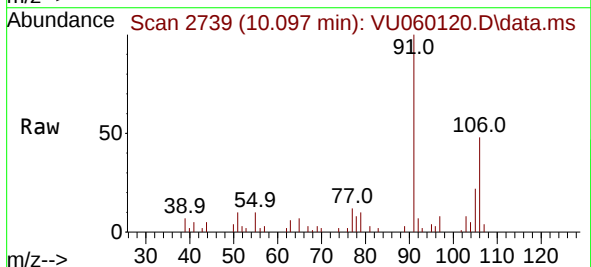
Instrument :
MSVOA_U
ClientSampleId :
YDZD9

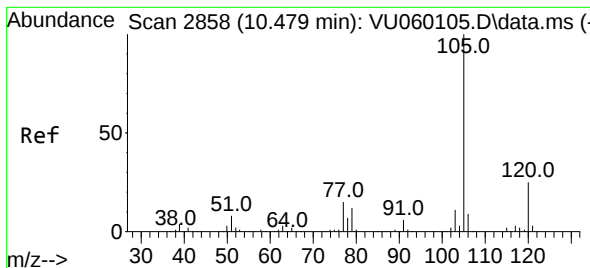
Tgt Ion:106 Resp: 9954
Ion Ratio Lower Upper
106 100
91 204.2 141.3 262.5



#54
o-Xylene
Concen: 0.345 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU060120.D
Acq: 23 Jul 2024 17:22

Tgt Ion:106 Resp: 5462
Ion Ratio Lower Upper
106 100
91 206.3 143.6 266.6





#60

Isopropylbenzene

Concen: 0.926 ug/L

RT: 10.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU060120.D

Acq: 23 Jul 2024 17:22

Instrument :

MSVOA_U

ClientSampleId :

YDZD9

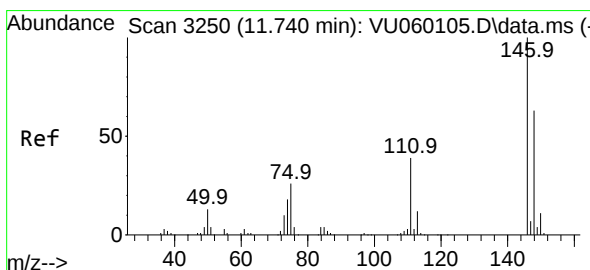
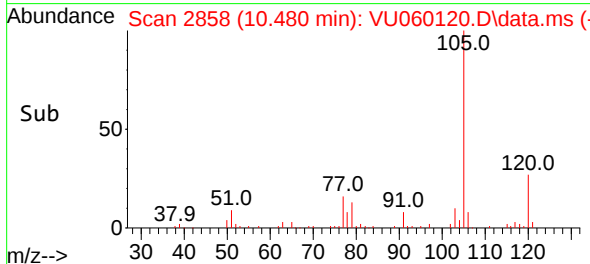
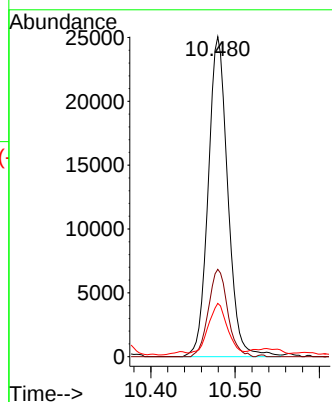
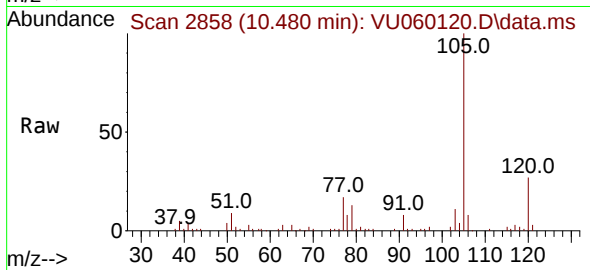
Tgt Ion:105 Resp: 40584

Ion Ratio Lower Upper

105 100

120 26.8 21.9 32.9

77 14.7 12.1 18.1



#64

1,3-Dichlorobenzene

Concen: 0.346 ug/L

RT: 11.746 min Scan# 3252

Delta R.T. 0.007 min

Lab File: VU060120.D

Acq: 23 Jul 2024 17:22

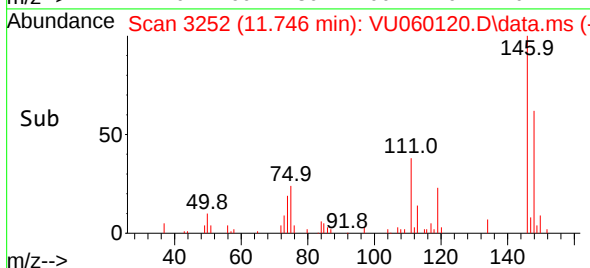
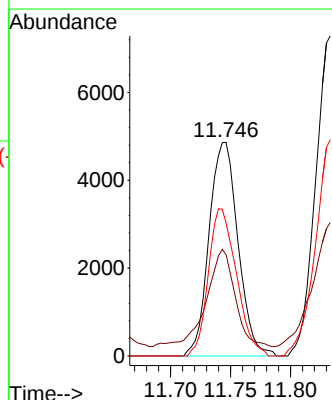
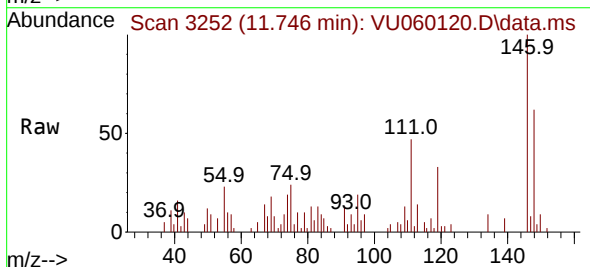
Tgt Ion:146 Resp: 8156

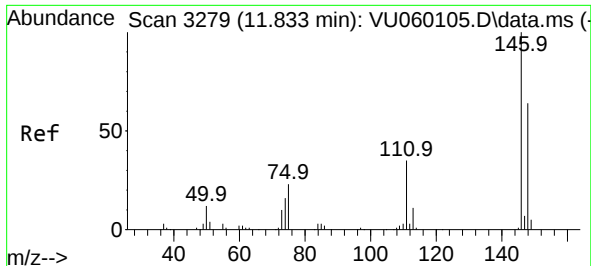
Ion Ratio Lower Upper

146 100

111 47.4 27.2 50.4

148 62.1 44.3 82.3

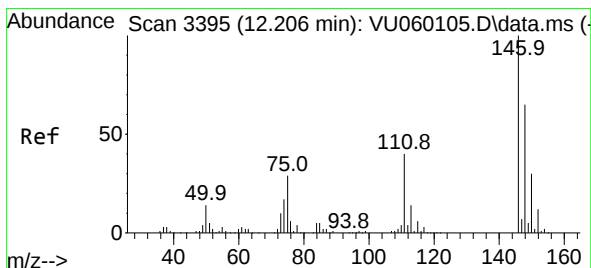
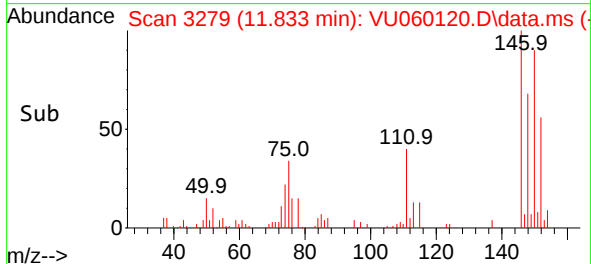
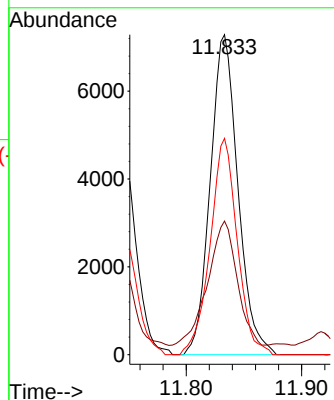
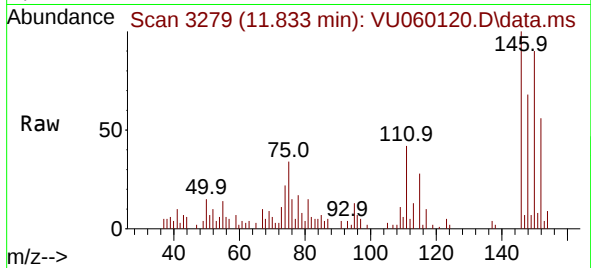




#65
1,4-Dichlorobenzene
Concen: 0.505 ug/L
RT: 11.833 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU060120.D
Acq: 23 Jul 2024 17:22

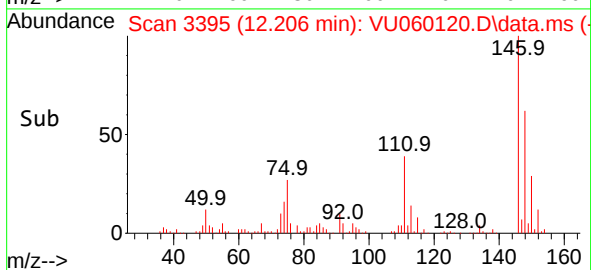
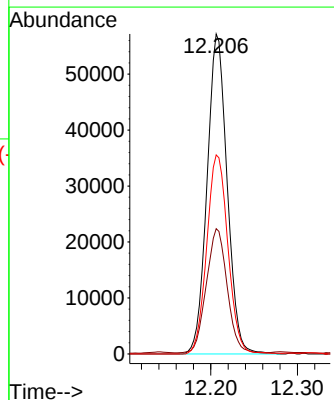
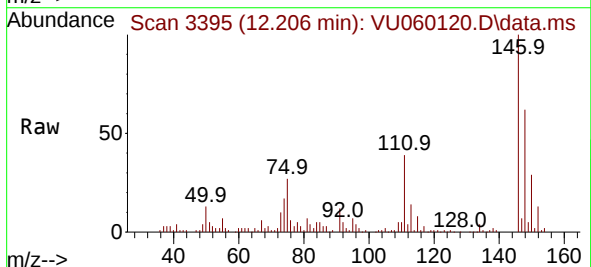
Instrument :
MSVOA_U
ClientSampleId :
YDZD9

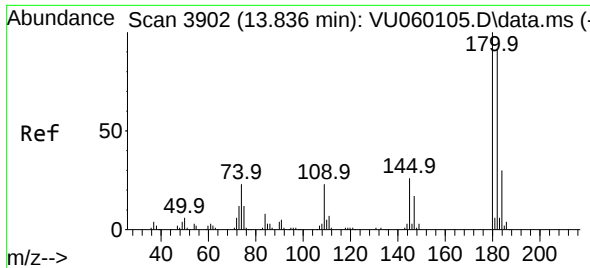
Tgt Ion:146 Resp: 12130
Ion Ratio Lower Upper
146 100
111 41.8 26.5 49.1
148 67.6 45.3 84.1



#67
1,2-Dichlorobenzene
Concen: 4.078 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU060120.D
Acq: 23 Jul 2024 17:22

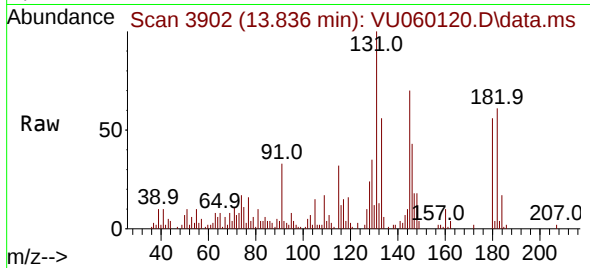
Tgt Ion:146 Resp: 92033
Ion Ratio Lower Upper
146 100
111 39.2 30.9 46.3
148 62.2 49.8 74.8





#70
 1,2,4-trichlorobenzene
 Concen: 0.941 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU060120.D
 Acq: 23 Jul 2024 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZD9



Tgt Ion:	180	Resp:	12741
Ion Ratio	Lower	Upper	
180	100		
182	102.8	77.2	115.8
145	137.0	23.0	34.4#

