

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U032924\
 Data File : U058262.D
 Acq On : 29 Mar 2024 12:22
 Operator : MD/SY
 Sample : P1902-01DL 2X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DCOB0DL

Quant Time: Mar 29 23:41:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 29 23:40:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	73259	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	69587	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	32239	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	30311	4.896	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.000%
7) Chloroethane-d5	1.907	69	26237	5.192	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.800%
11) 1,1-Dichloroethene-d2	2.563	65	12638	4.917	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.400%
20) 2-Butanone-d5	4.631	46	50237	45.677	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.360%
24) Chloroform-d	5.055	84	51265	4.632	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.695	65	25015	4.834	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
32) Benzene-d6	5.721	84	106492	4.712	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	6.682	67	32170	4.829	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.600%
41) Toluene-d8	7.891	98	91022	4.546	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
43) trans-1,3-Dichloroprop...	8.177	79	9680	4.535	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.631	63	39134	45.274	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.540%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	20484	4.720	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	29189	4.862	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	9487	2.259	ug/L	94
12) 1,1-Dichloroethene	2.576	96	38408	10.458	ug/L #	76
16) Methylene chloride	3.039	84	36041	6.925	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	45484	11.850	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	8672	1.828	ug/L	96
27) 1,2-Dichloroethane	5.788	62	33343	6.494	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	13349	1.855	ug/L	98
31) Carbon tetrachloride	5.518	117	9791	1.599	ug/L	93
33) Benzene	5.766	78	67770	3.708	ug/L	100
34) Trichloroethene	6.537	95	9577	2.011	ug/L	96
37) 1,2-Dichloropropane	6.785	63	8917	1.747	ug/L #	92
42) Toluene	7.962	91	92681	4.799	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	19202	5.971	ug/L	98
47) Tetrachloroethene	8.547	164	34208	10.726	ug/L	94
51) Chlorobenzene	9.441	112	82215	6.608	ug/L	98
52) Ethylbenzene	9.566	91	45476	2.109	ug/L	98
53) m,p-Xylene	9.688	106	85956	11.188	ug/L	98
54) o-Xylene	10.094	106	25329	3.266	ug/L	98
55) Styrene	10.110	104	86940	7.100	ug/L	94

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QLast Update : Fri Mar 29 23:40:26 2024
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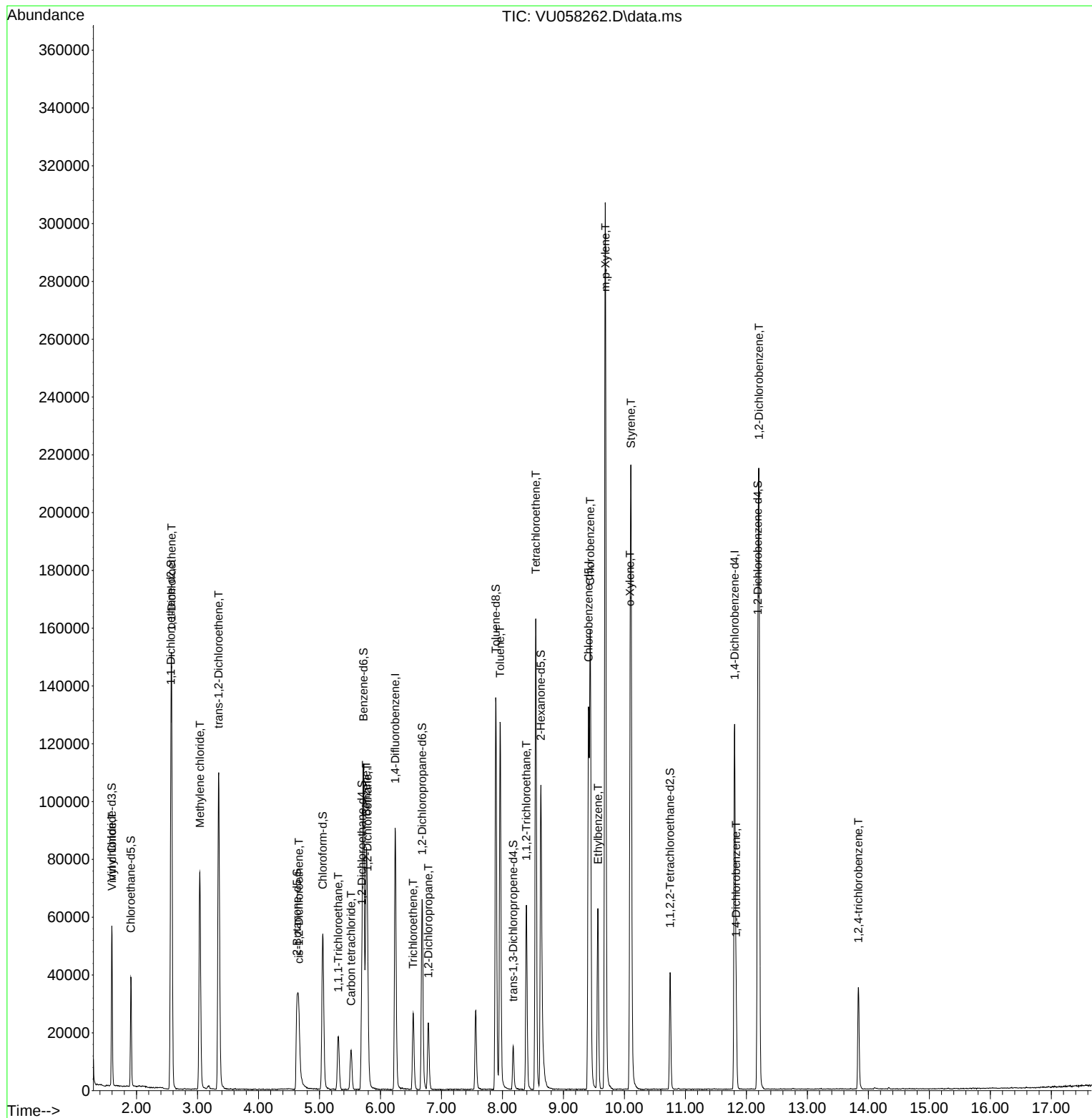
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.833	146	11896	1.365	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	73193	8.775	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	11724	2.492	ug/L	98

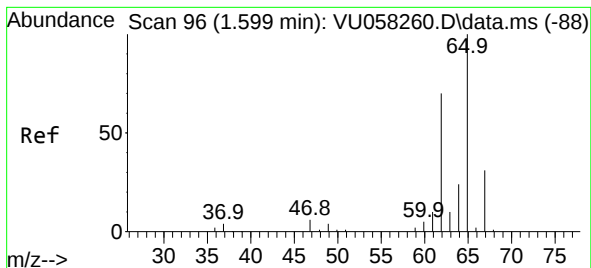
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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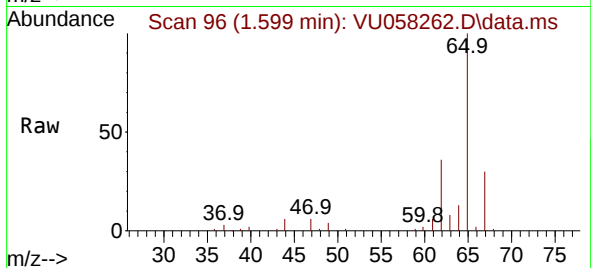
Quant Time: Mar 29 23:41:15 2024
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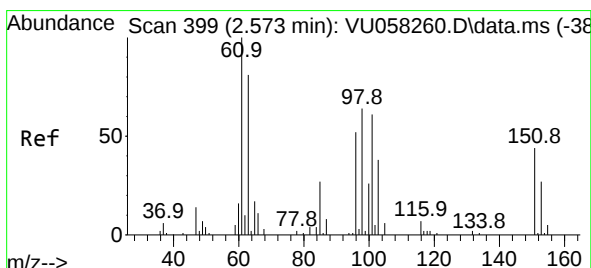
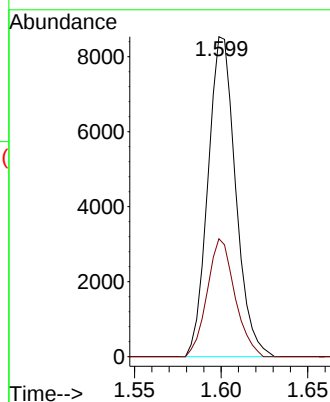
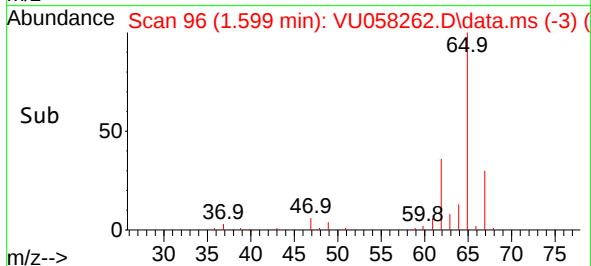


#5
Vinyl chloride
Concen: 2.259 ug/L
RT: 1.599 min Scan# 90
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

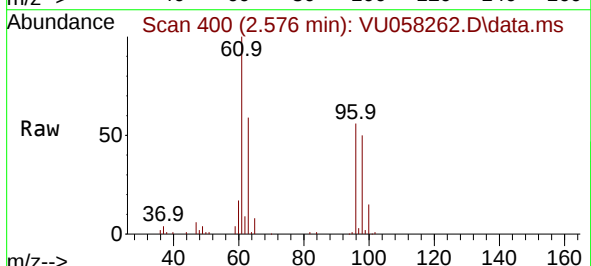
Instrument :
MSVOA_U
ClientSampleId :
DCOB0DL



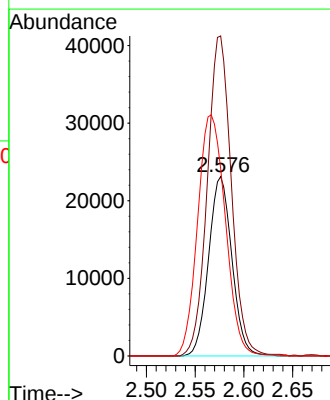
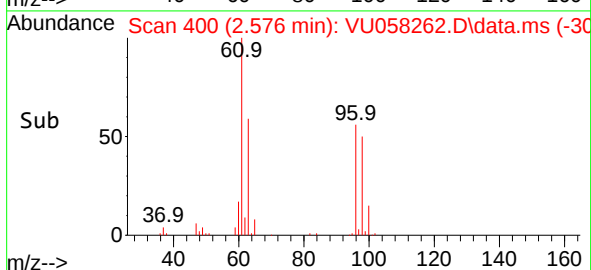
Tgt Ion: 62 Resp: 9487
Ion Ratio Lower Upper
62 100
64 36.8 23.4 43.6

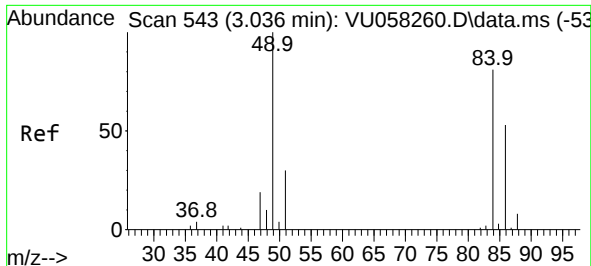


#12
1,1-Dichloroethene
Concen: 10.458 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22



Tgt Ion: 96 Resp: 38408
Ion Ratio Lower Upper
96 100
61 178.5 128.1 237.9
63 104.5 116.8 217.0#

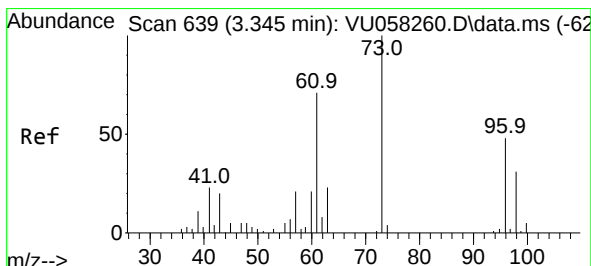
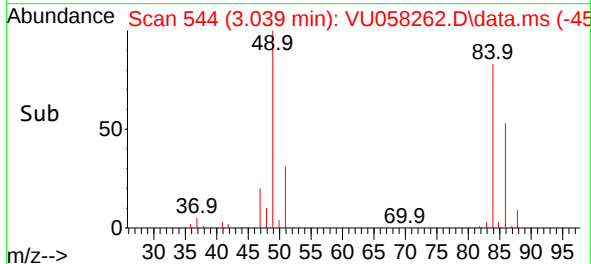
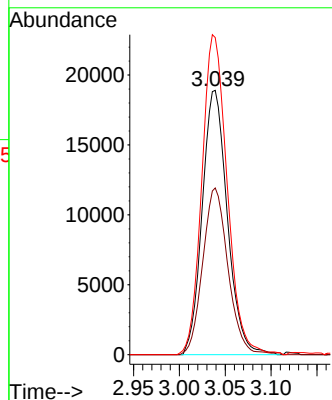
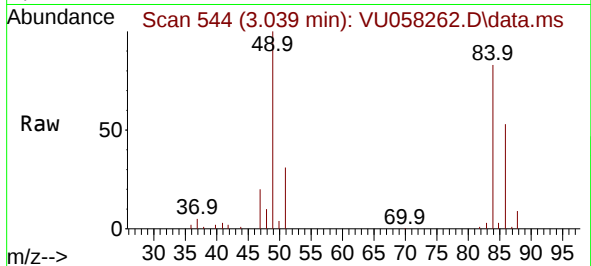




#16
Methylene chloride
Concen: 6.925 ug/L
RT: 3.039 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

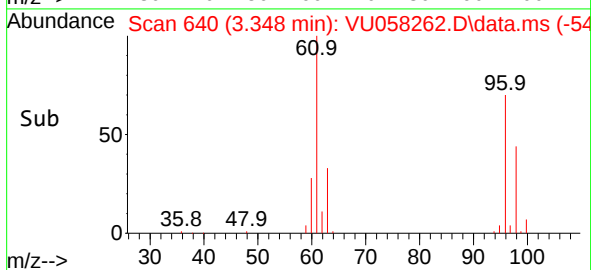
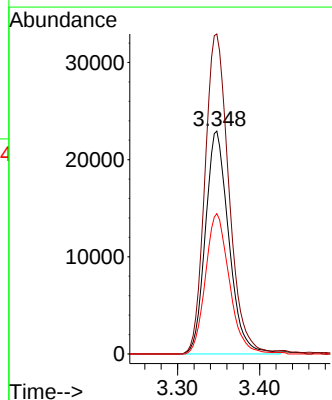
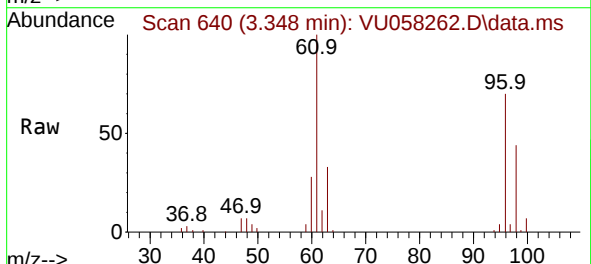
Instrument :
MSVOA_U
ClientSampleId :
DCOB0DL

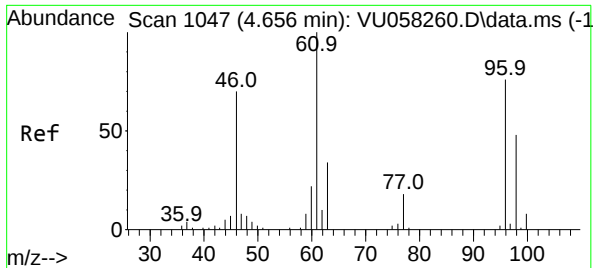
Tgt Ion: 84 Resp: 36041
Ion Ratio Lower Upper
84 100
86 63.1 45.6 84.6
49 120.0 88.3 163.9



#18
trans-1,2-Dichloroethene
Concen: 11.850 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 96 Resp: 45484
Ion Ratio Lower Upper
96 100
61 143.6 102.5 190.3
98 63.0 44.0 81.8

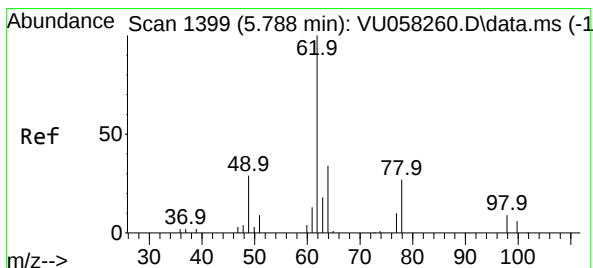
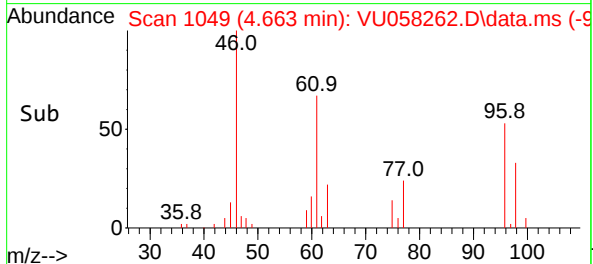
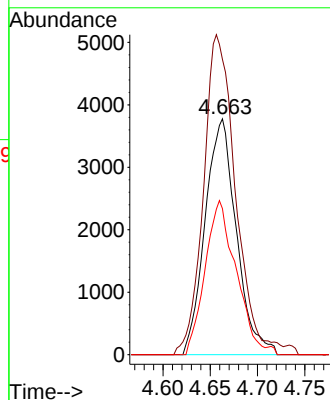
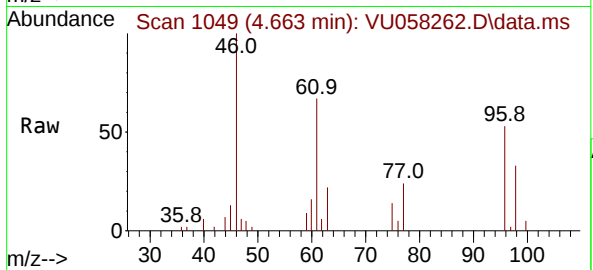




#22
cis-1,2-Dichloroethene
Concen: 1.828 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

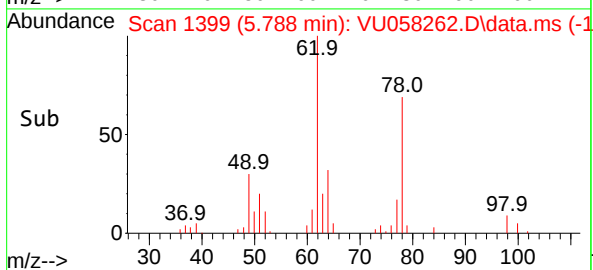
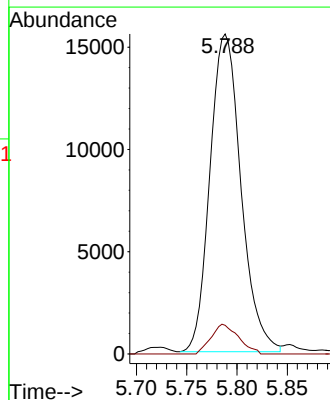
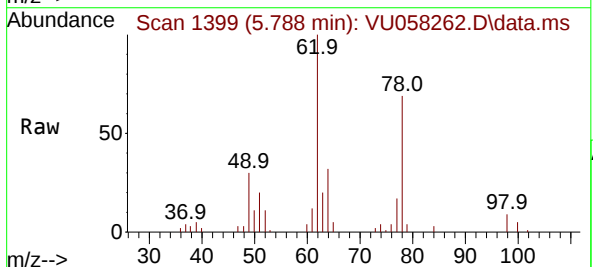
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MSVOA_U
ClientSampleId :
DCOB0DL

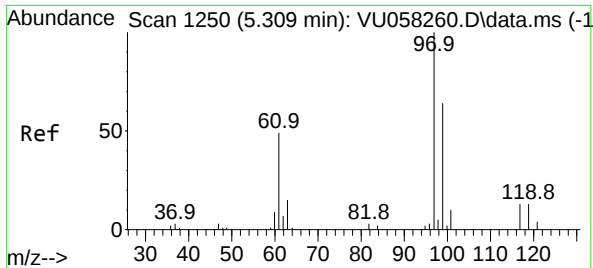
Tgt Ion: 96 Resp: 8672
Ion Ratio Lower Upper
96 100
61 125.3 92.8 172.4
98 61.9 43.2 80.2



#27
1,2-Dichloroethane
Concen: 6.494 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 62 Resp: 33343
Ion Ratio Lower Upper
62 100
98 9.0 6.6 10.0

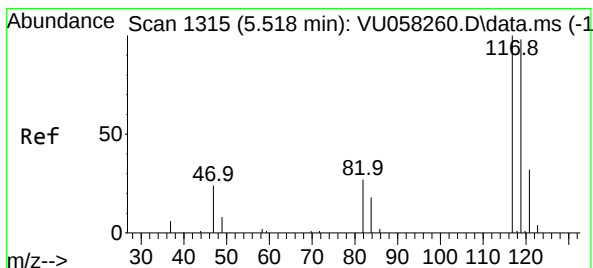
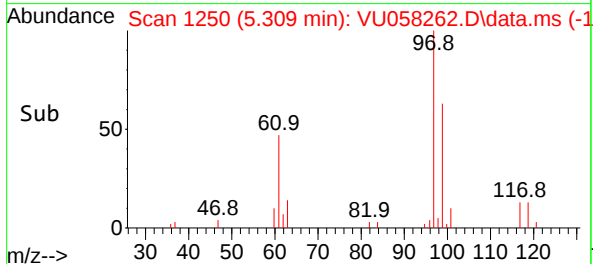
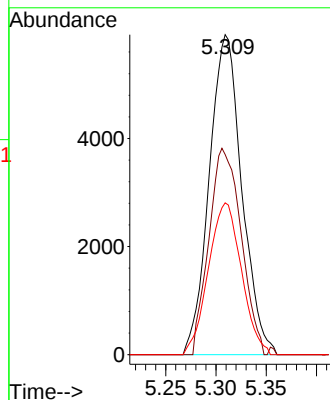
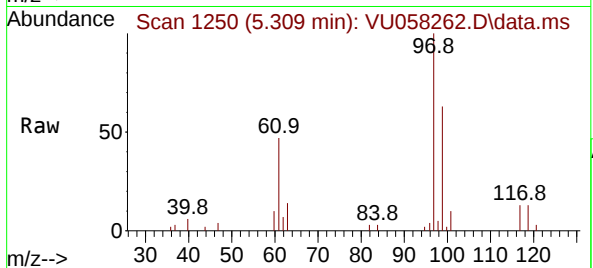




#29
1,1,1-Trichloroethane
Concen: 1.855 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

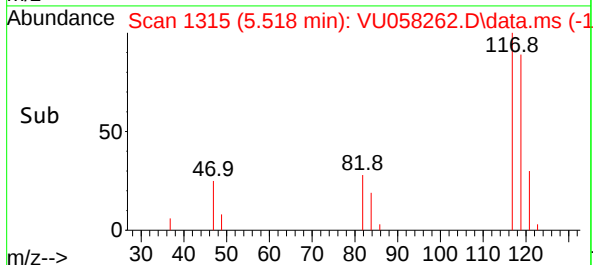
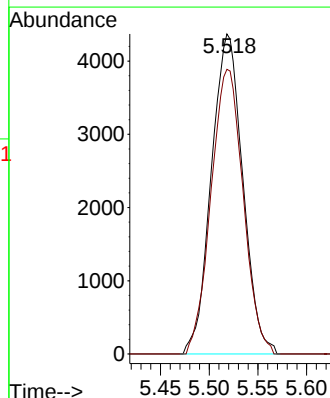
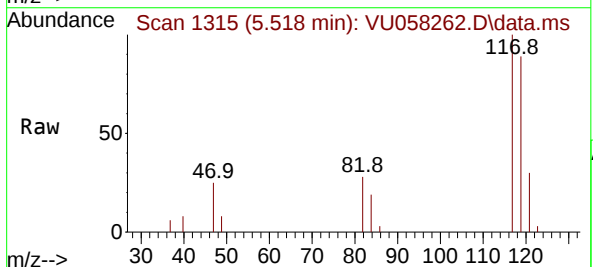
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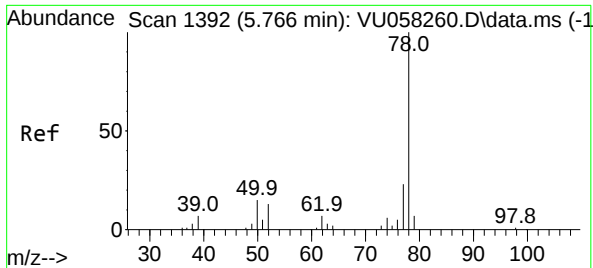
Tgt Ion: 97	Resp: 13349
Ion Ratio	Lower Upper
97	100
99	63.8 50.5 75.7
61	48.1 36.3 54.5



#31
Carbon tetrachloride
Concen: 1.599 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 117	Resp: 9791
Ion Ratio	Lower Upper
117	100
119	91.1 78.1 117.1

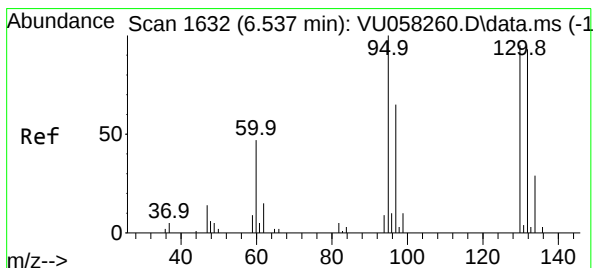
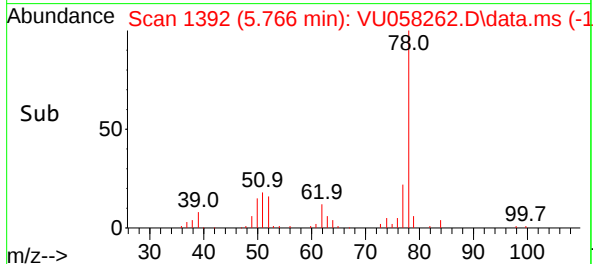
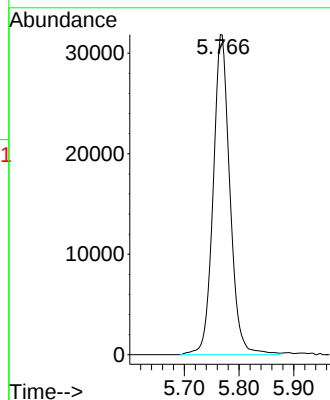
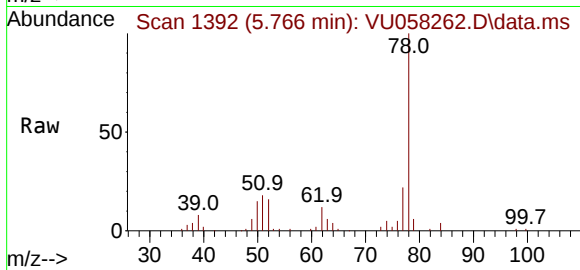




#33
Benzene
Concen: 3.708 ug/L
RT: 5.766 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Instrument :
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ClientSampleId :
DCOB0DL

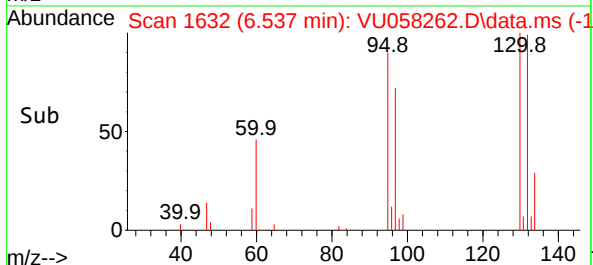
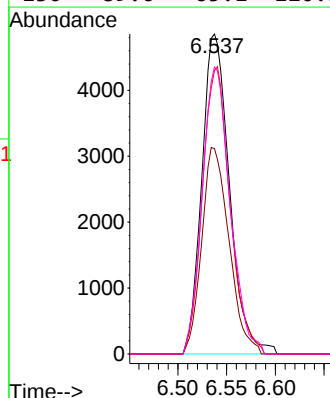
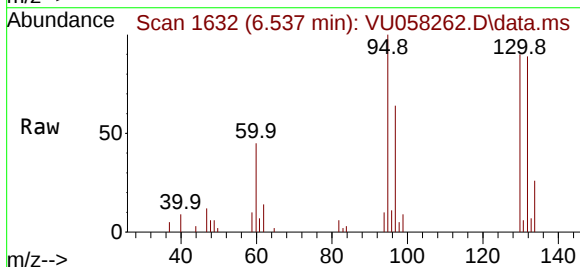
Tgt Ion: 78 Resp: 67770

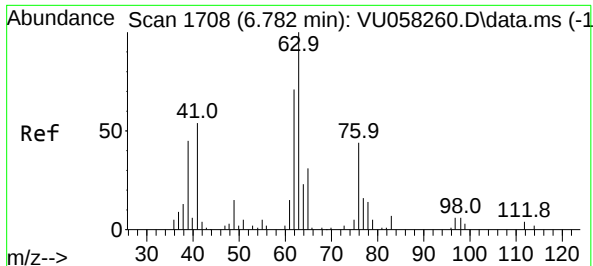


#34
Trichloroethene
Concen: 2.011 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 95 Resp: 9577

Ion	Ratio	Lower	Upper
95	100		
97	64.2	47.7	88.7
132	88.5	63.6	118.2
130	89.6	65.1	120.9

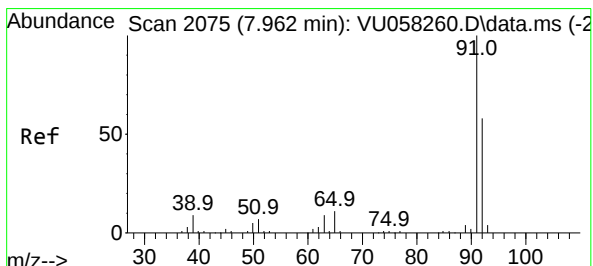
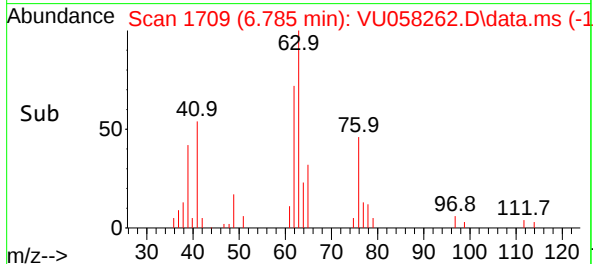
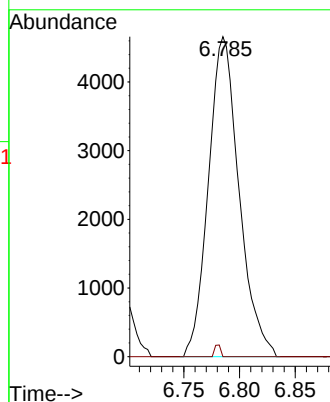
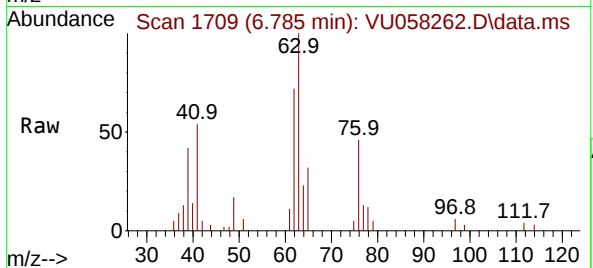




#37
1,2-Dichloropropane
Concen: 1.747 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

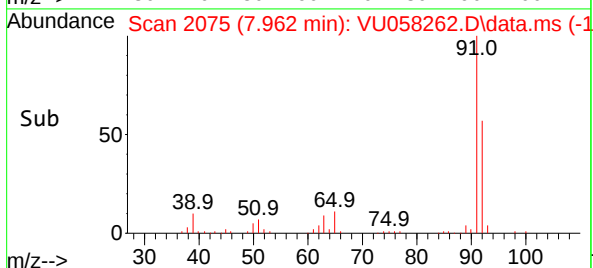
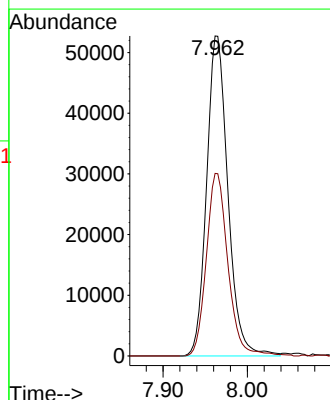
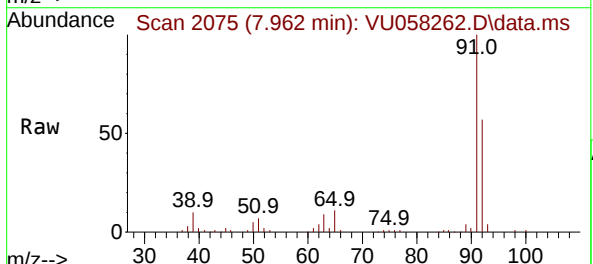
Instrument :
MSVOA_U
ClientSampleId :
DCOB0DL

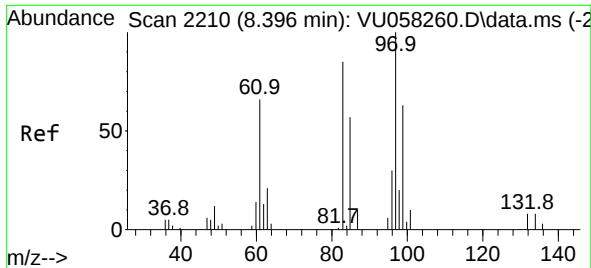
Tgt Ion: 63 Resp: 8917
Ion Ratio Lower Upper
63 100
112 0.7 2.7 4.1#



#42
Toluene
Concen: 4.799 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 91 Resp: 92681
Ion Ratio Lower Upper
91 100
92 57.1 40.7 75.5



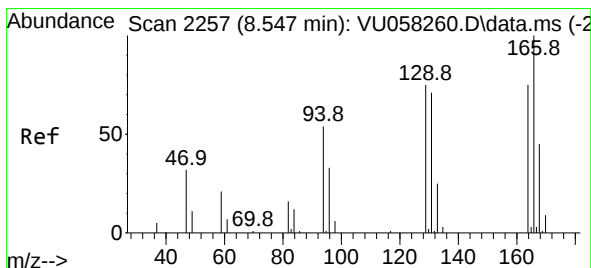
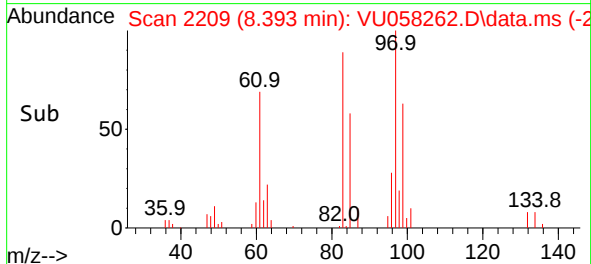
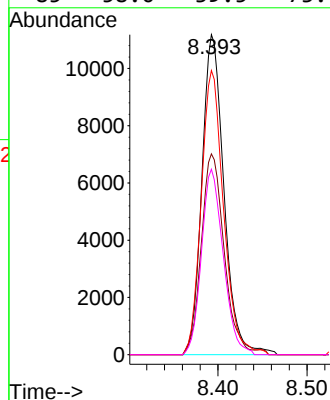
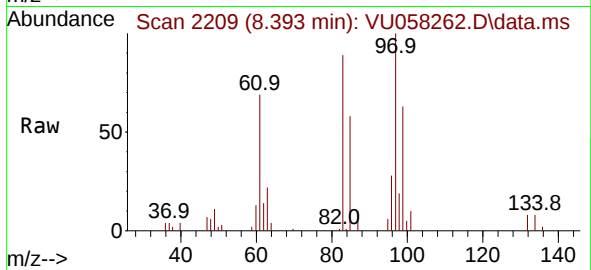


#45
1,1,2-Trichloroethane
Concen: 5.971 ug/L
RT: 8.393 min Scan# 2210
Delta R.T. -0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Instrument :
MSVOA_U
ClientSampleId :
DCOB0DL

Tgt Ion: 97 Resp: 19202

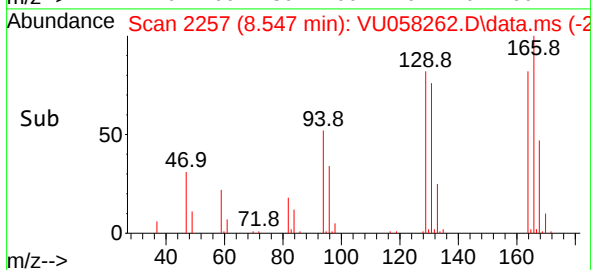
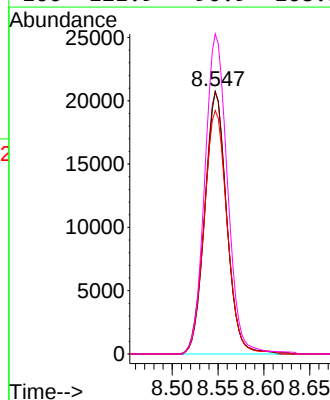
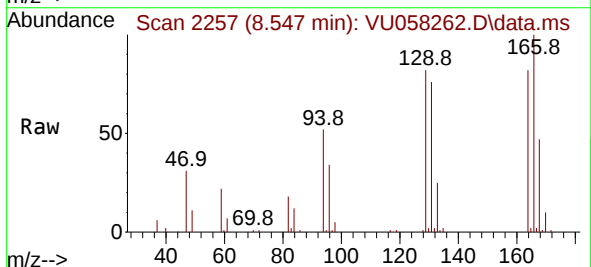
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.5	82.7
83	88.8	64.1	119.1
85	58.0	39.5	73.4

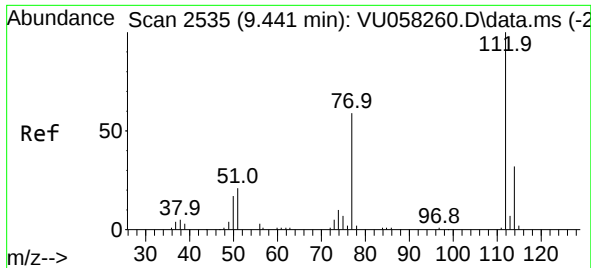


#47
Tetrachloroethene
Concen: 10.726 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 164 Resp: 34208

Ion	Ratio	Lower	Upper
164	100		
129	99.7	71.3	132.3
131	92.7	70.8	131.4
166	121.9	90.9	168.9

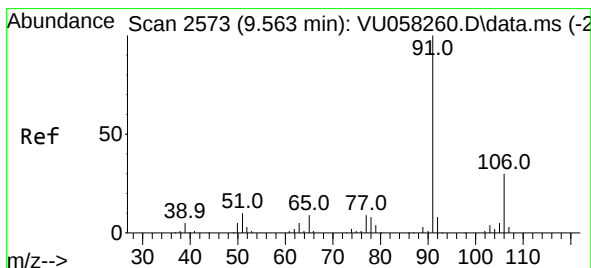
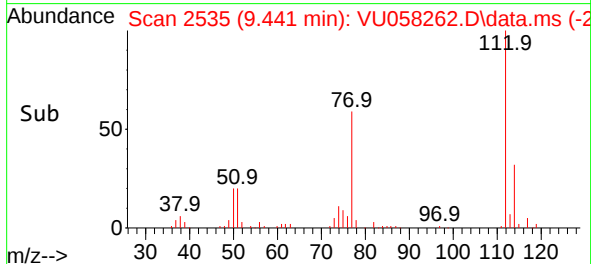
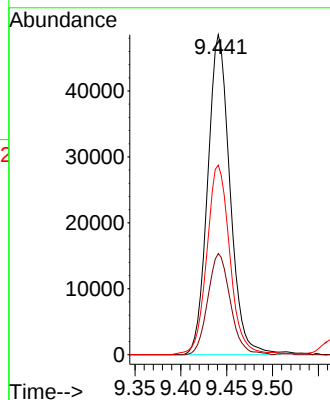
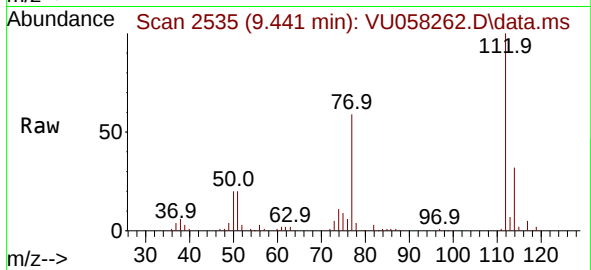




#51
Chlorobenzene
Concen: 6.608 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

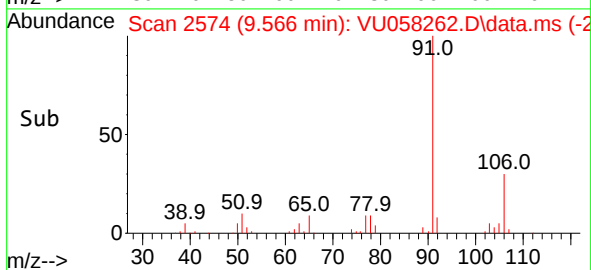
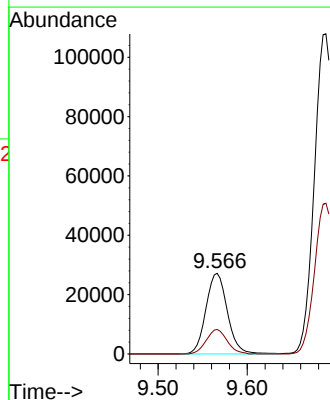
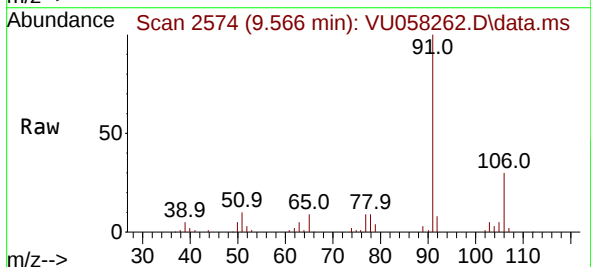
Instrument :
MSVOA_U
ClientSampleId :
DCOB0DL

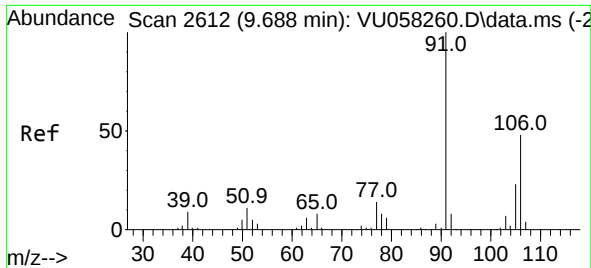
Tgt Ion:112 Resp: 82215
Ion Ratio Lower Upper
112 100
114 31.6 22.7 42.3
77 59.3 48.9 73.3



#52
Ethylbenzene
Concen: 2.109 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 91 Resp: 45476
Ion Ratio Lower Upper
91 100
106 30.4 20.6 38.2

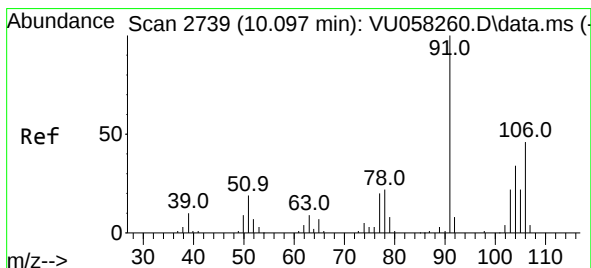
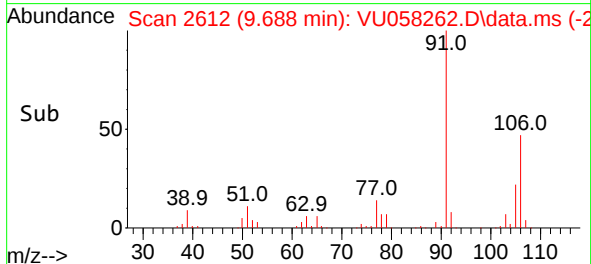
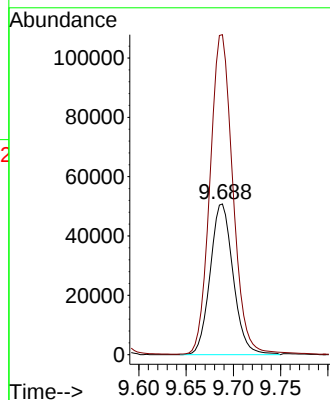
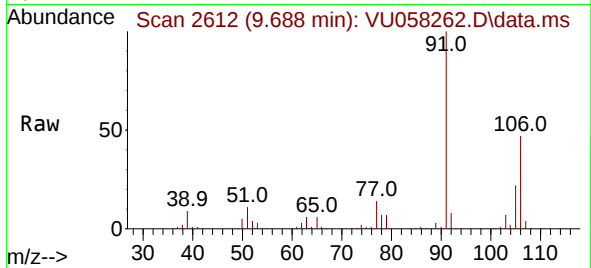




#53
m,p-Xylene
Concen: 11.188 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

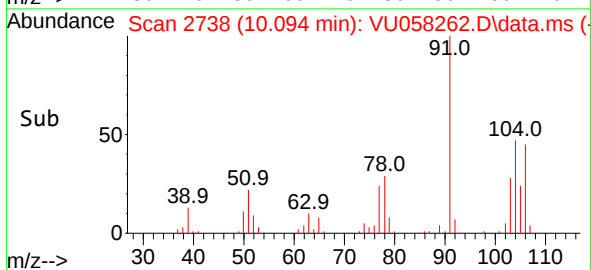
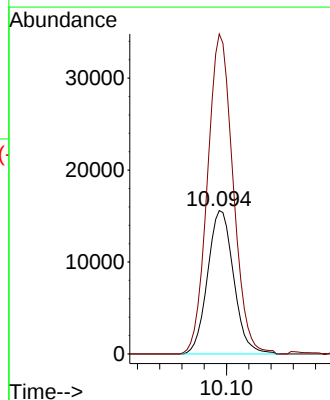
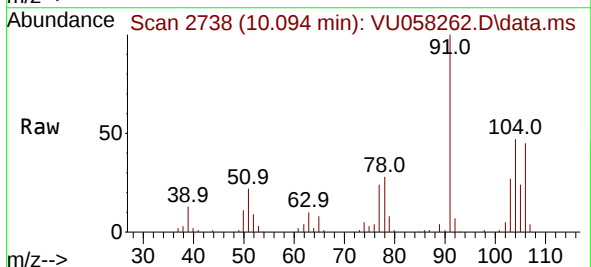
Instrument :
MSVOA_U
ClientSampleId :
DCOB0DL

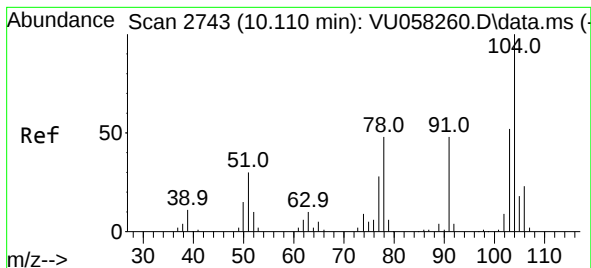
Tgt Ion:106 Resp: 85956
Ion Ratio Lower Upper
106 100
91 212.2 151.0 280.4



#54
o-Xylene
Concen: 3.266 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:106 Resp: 25329
Ion Ratio Lower Upper
106 100
91 223.2 154.3 286.7





#55

Styrene

Concen: 7.100 ug/L

RT: 10.110 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058262.D

Acq: 29 Mar 2024 12:22

Instrument :

MSVOA_U

ClientSampleId :

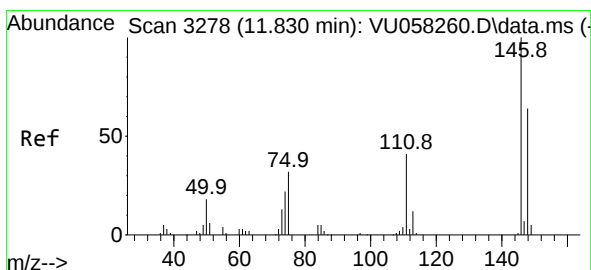
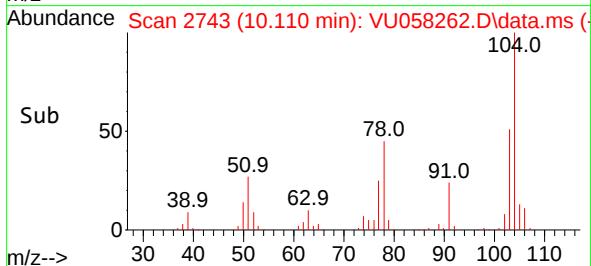
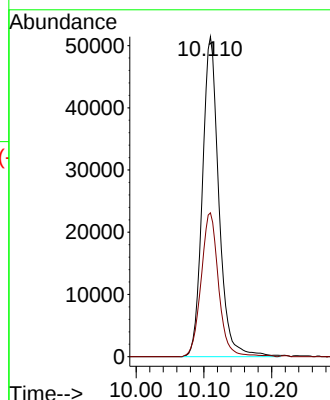
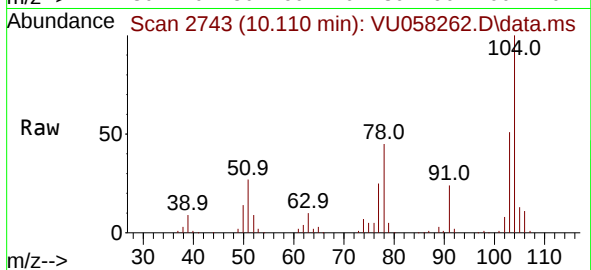
DCOB0DL

Tgt Ion:104 Resp: 86940

Ion Ratio Lower Upper

104 100

78 44.9 34.5 64.1



#65

1,4-Dichlorobenzene

Concen: 1.365 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU058262.D

Acq: 29 Mar 2024 12:22

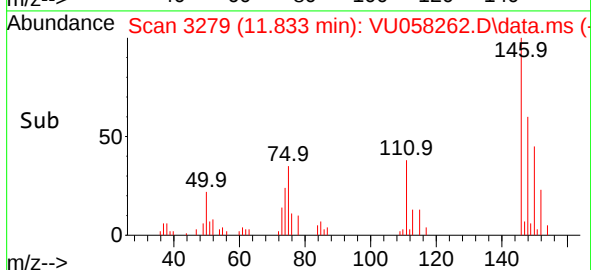
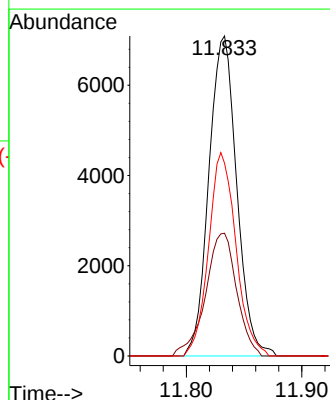
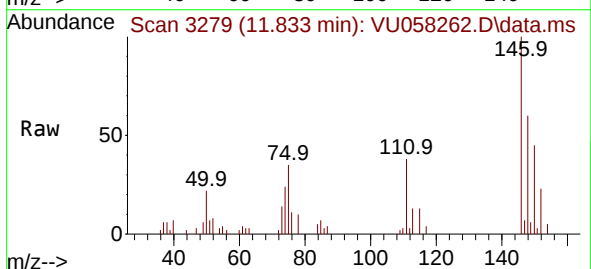
Tgt Ion:146 Resp: 11896

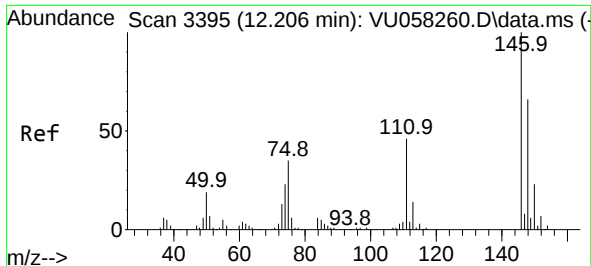
Ion Ratio Lower Upper

146 100

111 38.3 29.0 53.8

148 60.2 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 8.775 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU058262.D

Acq: 29 Mar 2024 12:22

Instrument :

MSVOA_U

ClientSampleId :

DCOB0DL

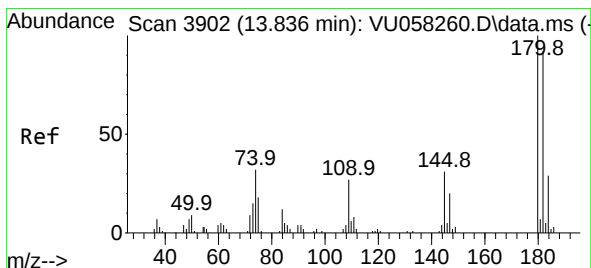
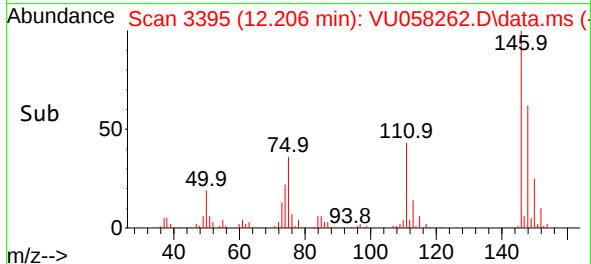
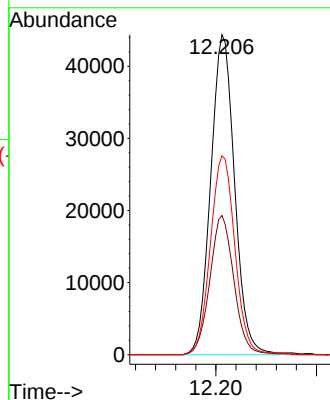
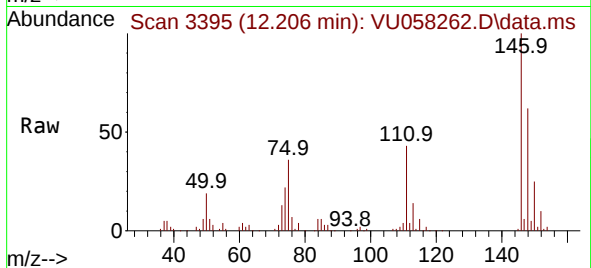
Tgt Ion:146 Resp: 73193

Ion Ratio Lower Upper

146 100

111 43.5 35.9 53.9

148 62.2 52.4 78.6



#70

1,2,4-trichlorobenzene

Concen: 2.492 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU058262.D

Acq: 29 Mar 2024 12:22

Tgt Ion:180 Resp: 11724

Ion Ratio Lower Upper

180 100

182 91.2 74.5 111.7

145 31.6 24.5 36.7

