

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020525\
 Data File : VU063183.D
 Acq On : 06 Feb 2025 02:11
 Operator : MD/SY
 Sample : Q1226-22
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DCZL9

Quant Time: Feb 06 08:11:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 06 07:25:52 2025
 Response via : Initial Calibration

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

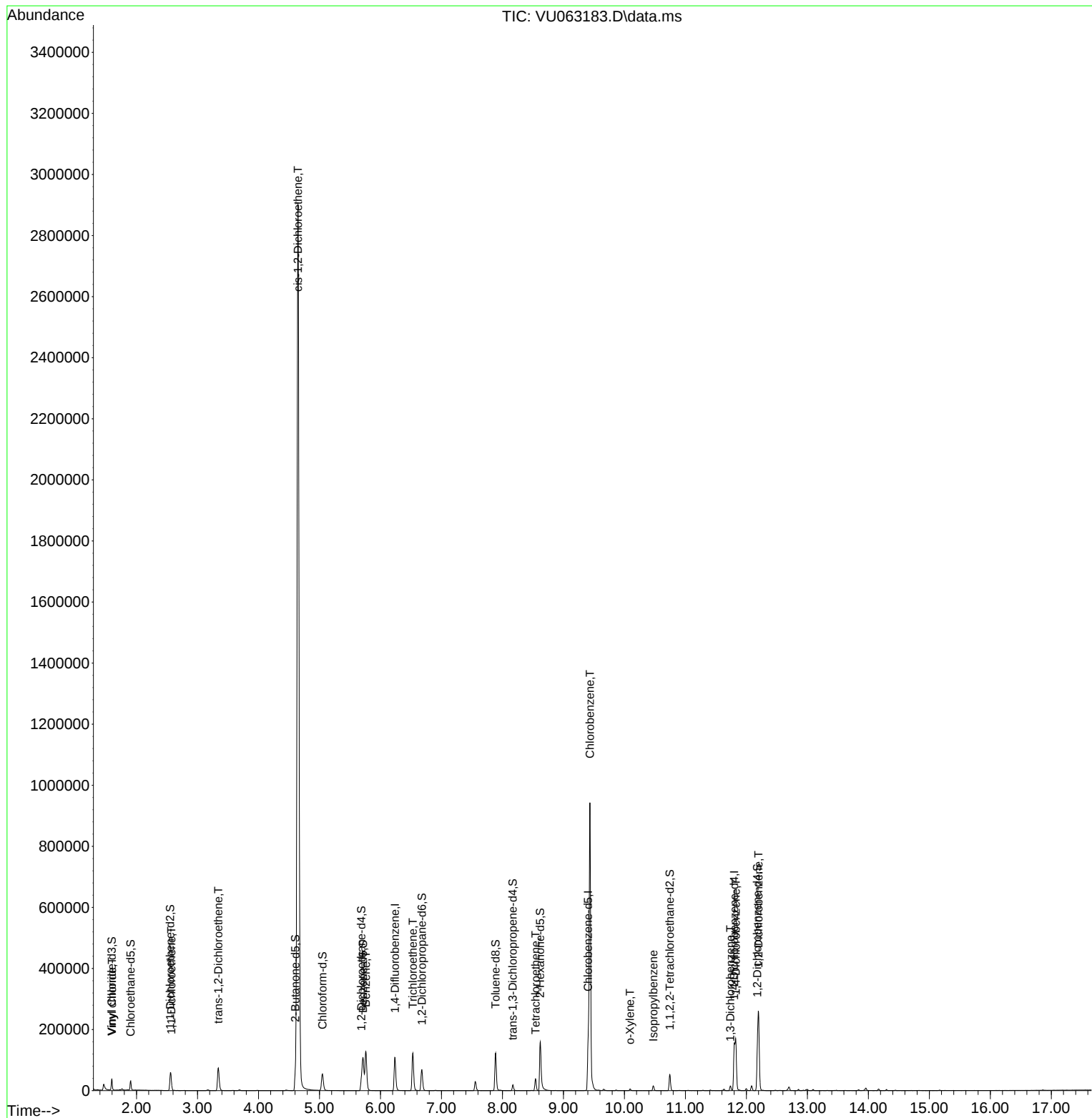
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	90788	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	86142	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	37694	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	21172	4.077	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.600%
7) Chloroethane-d5	1.904	69	21915	4.547	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.554	65	9859	4.253	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.000%
20) 2-Butanone-d5	4.605	46	79069	46.251	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.500%
24) Chloroform-d	5.049	84	52454	4.569	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	5.689	65	27710	4.692	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.714	84	102423	4.558	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.679	67	35073	4.735	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.600%
41) Toluene-d8	7.888	98	84799	4.272	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	8.171	79	11484	4.137	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.800%
46) 2-Hexanone-d5	8.618	63	56672	40.567	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.140%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	28242	4.319	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	12.180	152	30918	4.912	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
5) Vinyl chloride	1.599	62	4593	0.527	ug/L #	81
12) 1,1-Dichloroethene	2.570	96	5800	0.983	ug/L #	29
18) trans-1,2-Dichloroethene	3.341	96	32629	5.171	ug/L	99
22) cis-1,2-Dichloroethene	4.647	96	1520752	216.039	ug/L	99
33) Benzene	5.759	78	125133	4.414	ug/L	100
34) Trichloroethene	6.531	95	44063	6.120	ug/L	98
47) Tetrachloroethene	8.544	164	8462	1.674	ug/L	96
51) Chlorobenzene	9.434	112	497673	27.825	ug/L	99
54) o-Xylene	10.094	106	1503	0.136	ug/L	93
60) Isopropylbenzene	10.476	105	11064	0.413	ug/L #	83
64) 1,3-Dichlorobenzene	11.740	146	6591	0.543	ug/L	92
65) 1,4-Dichlorobenzene	11.827	146	66333	5.440	ug/L	96
67) 1,2-Dichlorobenzene	12.200	146	94946	8.378	ug/L	98

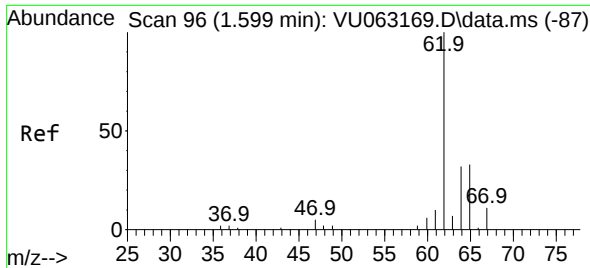
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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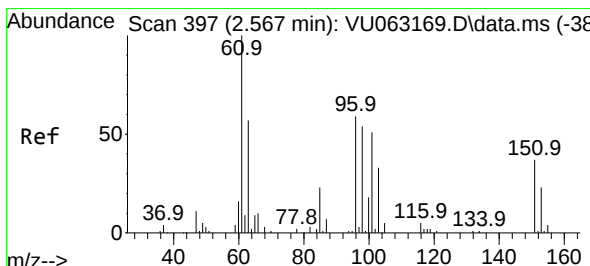
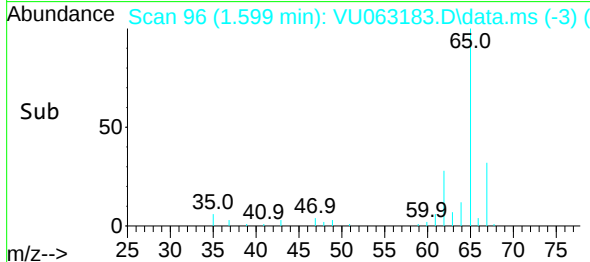
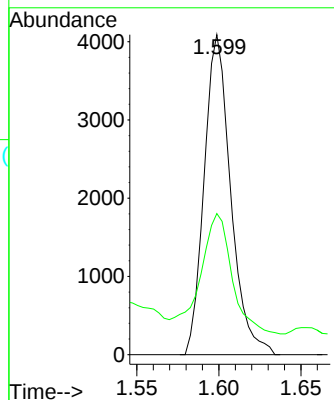
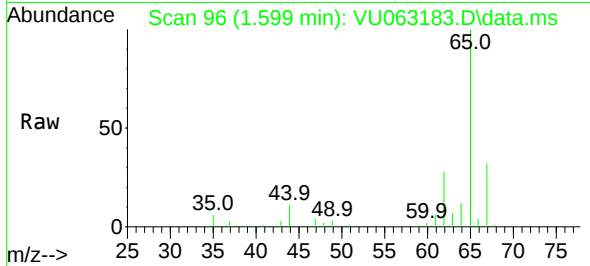




#5
 Vinyl chloride
 Concen: 0.527 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU063183.D
 Acq: 06 Feb 2025 02:11

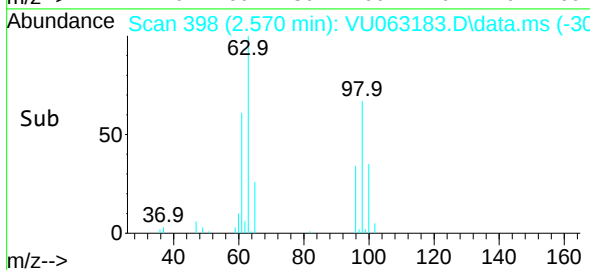
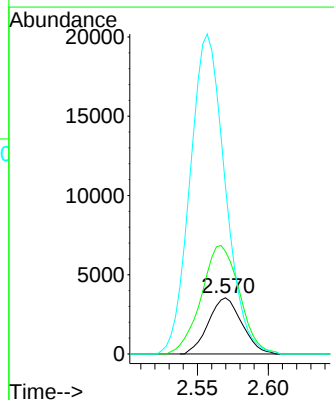
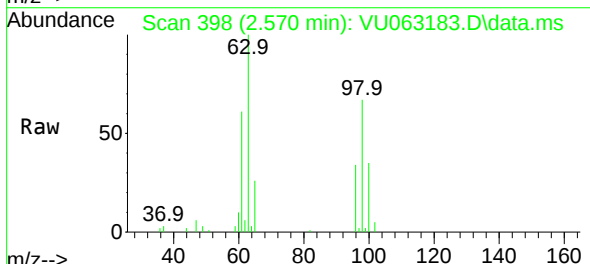
Instrument :
 MSVOA_U
 ClientSampleId :
 DCZL9

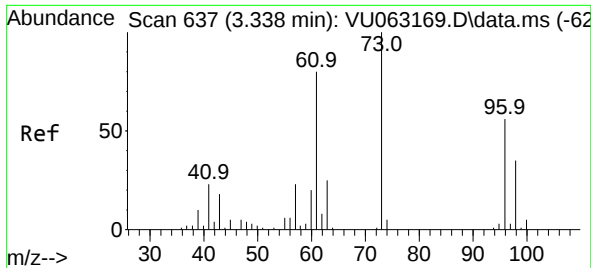
Tgt Ion: 62 Resp: 4593
 Ion Ratio Lower Upper
 62 100
 64 44.1 23.2 43.0#



#12
 1,1-Dichloroethene
 Concen: 0.983 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.000 min
 Lab File: VU063183.D
 Acq: 06 Feb 2025 02:11

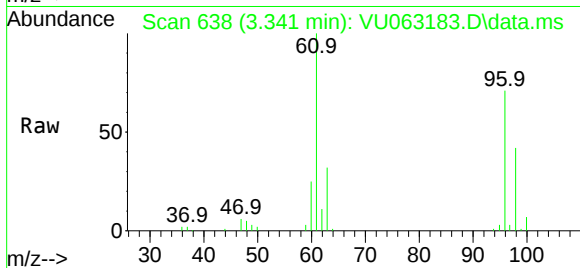
Tgt Ion: 96 Resp: 5800
 Ion Ratio Lower Upper
 96 100
 61 183.0 121.9 226.3
 63 298.4 80.3 149.1#





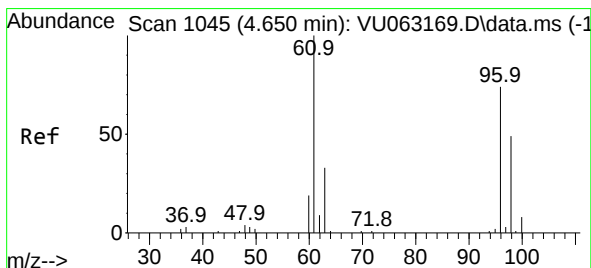
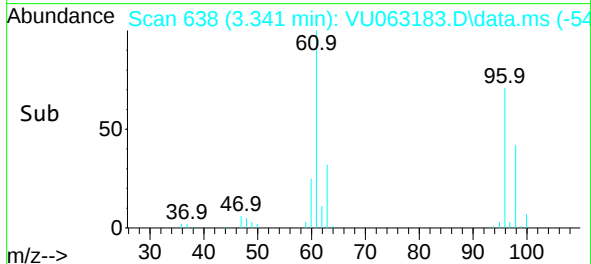
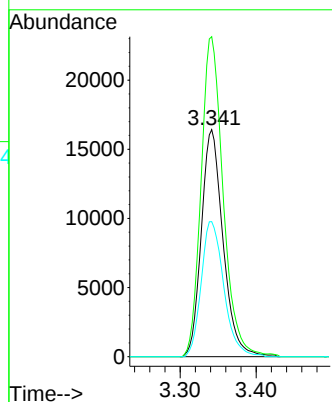
#18
 trans-1,2-Dichloroethene
 Concen: 5.171 ug/L
 RT: 3.341 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VU063183.D
 Acq: 06 Feb 2025 02:11

Instrument :
 MSVOA_U
 ClientSampleId :
 DCZL9



Tgt Ion: 96 Resp: 32629

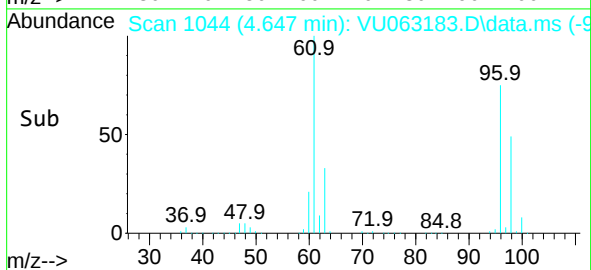
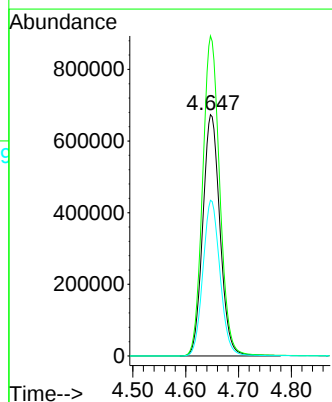
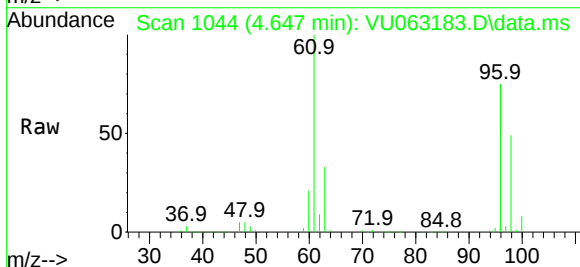
Ion	Ratio	Lower	Upper
96	100		
61	141.0	99.2	184.2
98	59.5	43.2	80.2

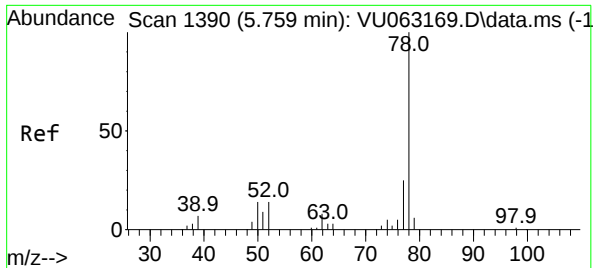


#22
 cis-1,2-Dichloroethene
 Concen: 216.039 ug/L
 RT: 4.647 min Scan# 1044
 Delta R.T. -0.006 min
 Lab File: VU063183.D
 Acq: 06 Feb 2025 02:11

Tgt Ion: 96 Resp: 1520752

Ion	Ratio	Lower	Upper
96	100		
61	132.6	91.8	170.6
98	64.5	44.4	82.4

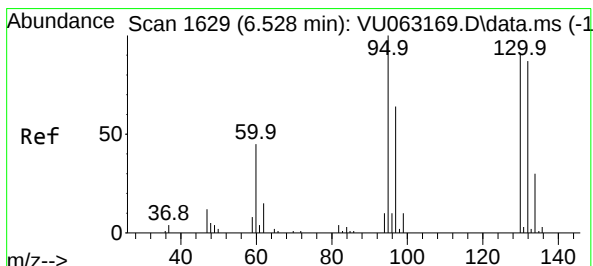
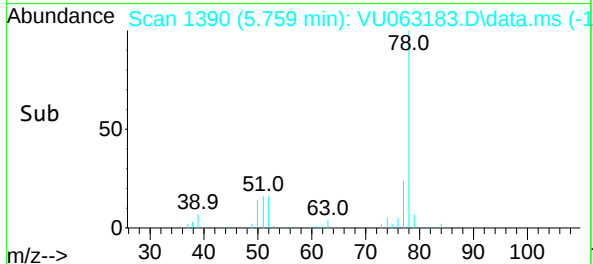
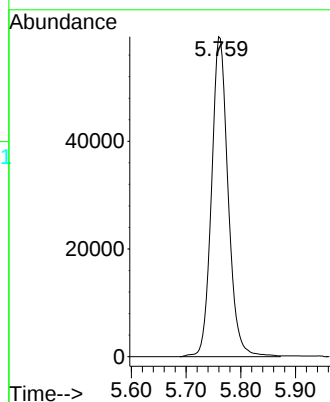
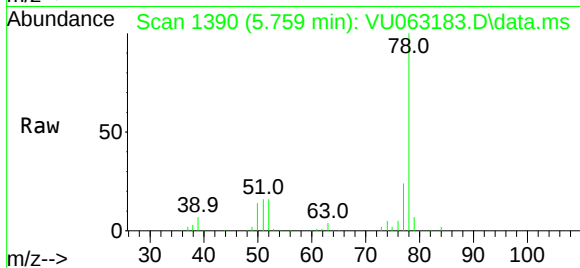




#33
Benzene
Concen: 4.414 ug/L
RT: 5.759 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063183.D
Acq: 06 Feb 2025 02:11

Instrument :
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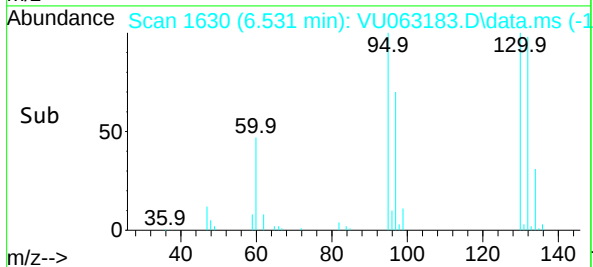
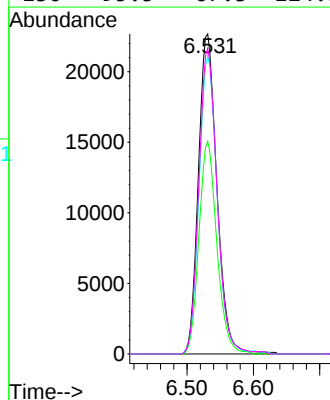
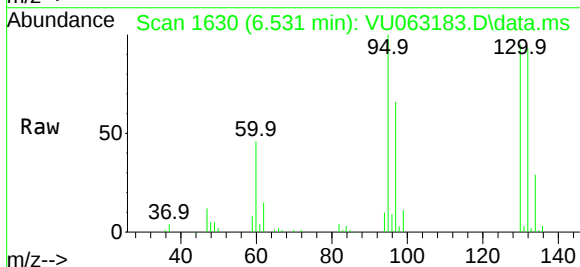
Tgt Ion: 78 Resp: 125133

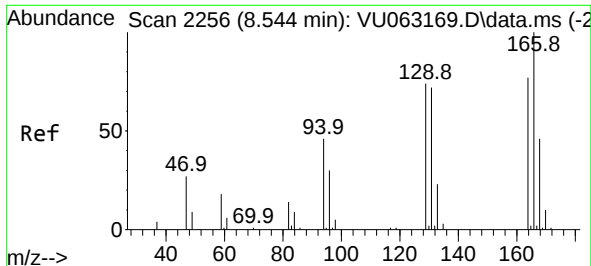


#34
Trichloroethene
Concen: 6.120 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU063183.D
Acq: 06 Feb 2025 02:11

Tgt Ion: 95 Resp: 44063

Ion	Ratio	Lower	Upper
95	100		
97	66.5	46.7	86.7
132	93.2	62.4	115.8
130	95.5	67.3	124.9





#47

Tetrachloroethene

Concen: 1.674 ug/L

RT: 8.544 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063183.D

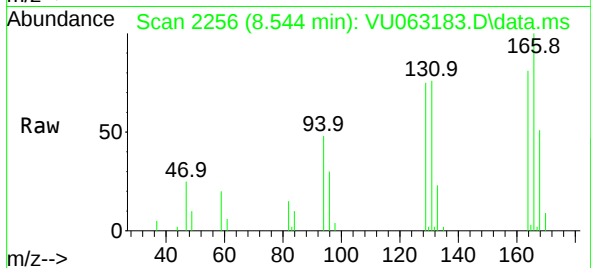
Acq: 06 Feb 2025 02:11

Instrument :

MSVOA_U

ClientSampleId :

DCZL9



Tgt Ion:164 Resp: 8462

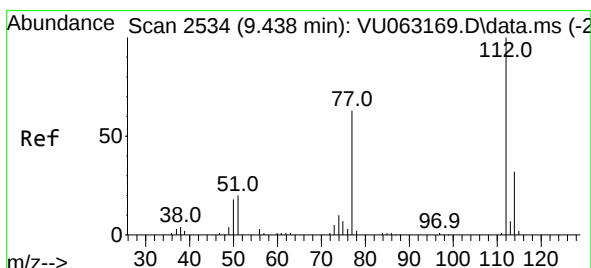
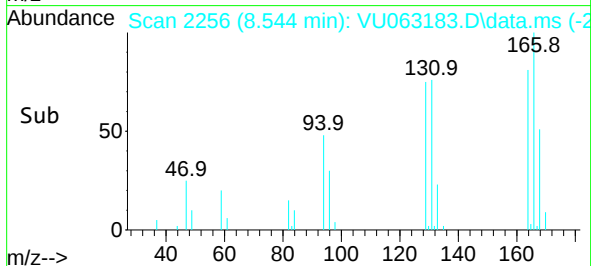
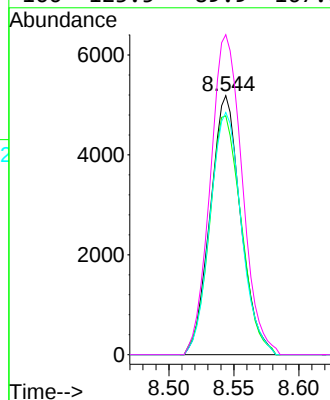
Ion Ratio Lower Upper

164 100

129 92.2 68.6 127.4

131 93.5 66.5 123.5

166 123.5 89.9 167.0



#51

Chlorobenzene

Concen: 27.825 ug/L

RT: 9.434 min Scan# 2533

Delta R.T. -0.003 min

Lab File: VU063183.D

Acq: 06 Feb 2025 02:11

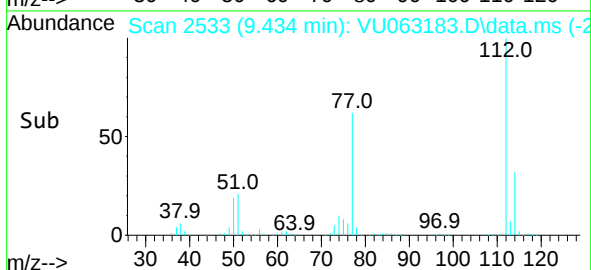
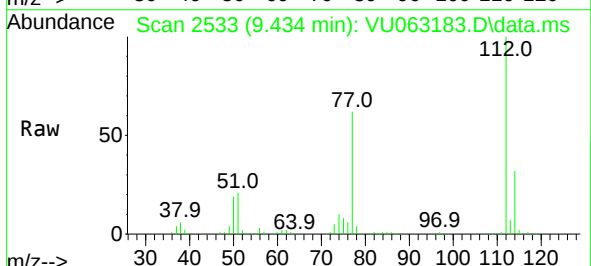
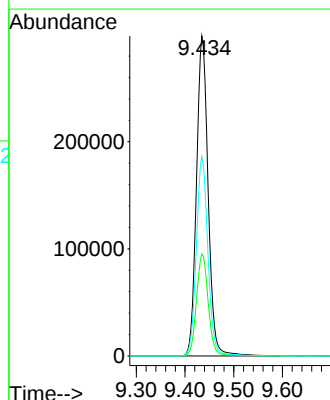
Tgt Ion:112 Resp: 497673

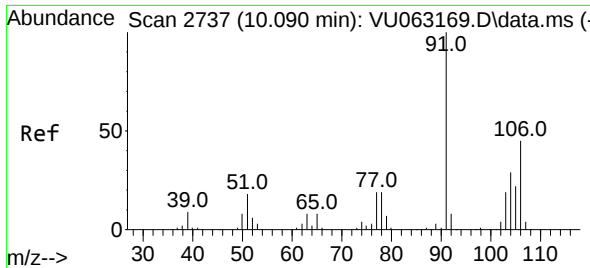
Ion Ratio Lower Upper

112 100

114 31.9 22.6 42.0

77 62.3 50.8 76.2

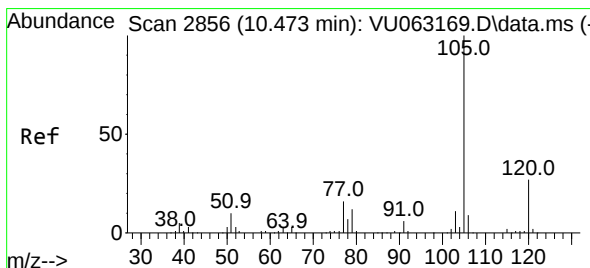
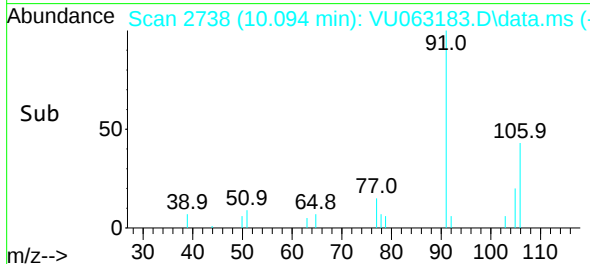
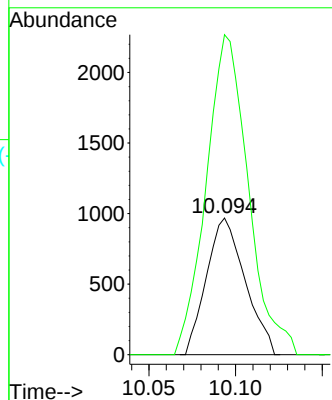
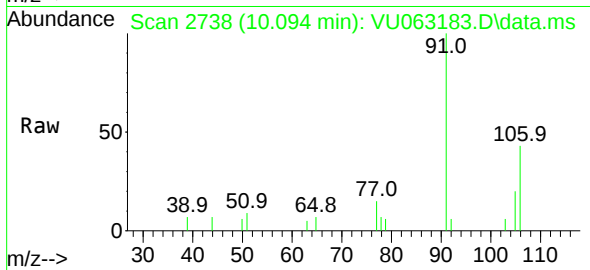




#54
o-Xylene
Concen: 0.136 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063183.D
Acq: 06 Feb 2025 02:11

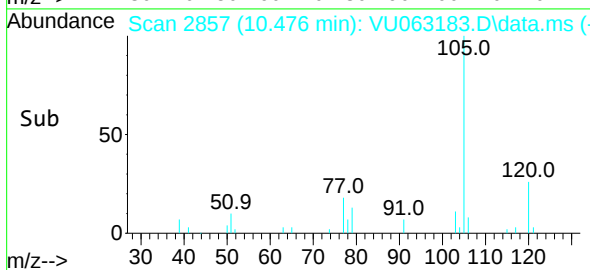
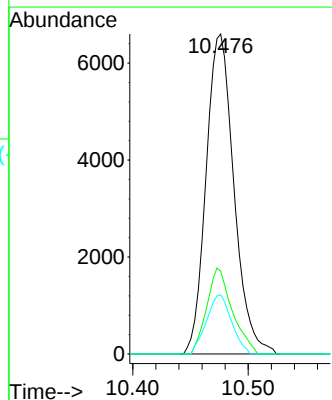
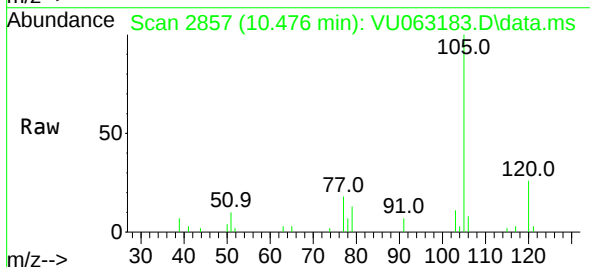
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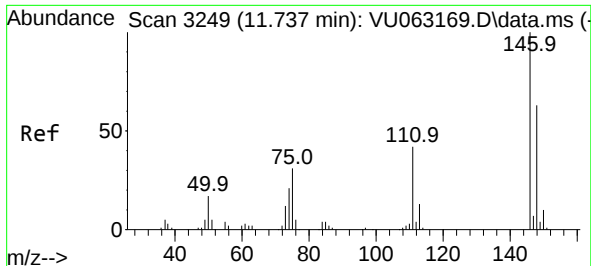
Tgt Ion:106 Resp: 1503
Ion Ratio Lower Upper
106 100
91 234.1 155.4 288.6



#60
Isopropylbenzene
Concen: 0.413 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU063183.D
Acq: 06 Feb 2025 02:11

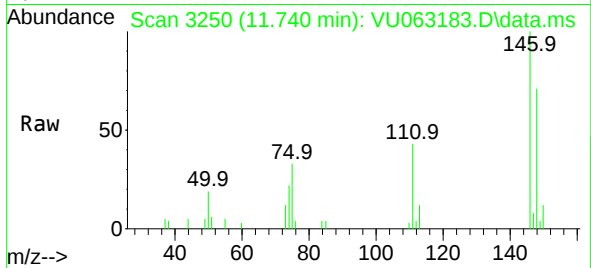
Tgt Ion:105 Resp: 11064
Ion Ratio Lower Upper
105 100
120 24.6 20.8 31.2
77 0.0 13.3 19.9#



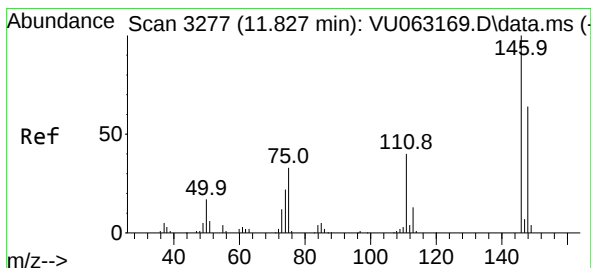
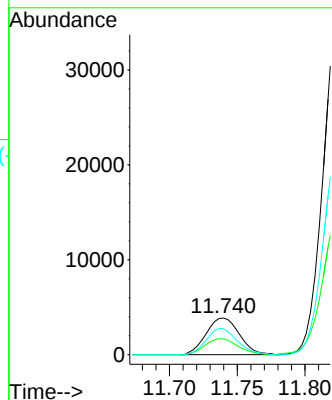
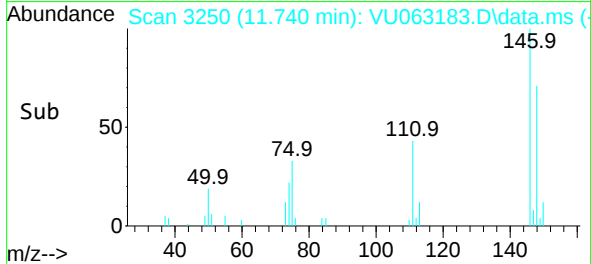


#64
1,3-Dichlorobenzene
Concen: 0.543 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063183.D
Acq: 06 Feb 2025 02:11

Instrument :
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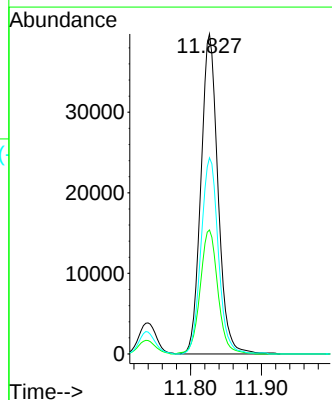
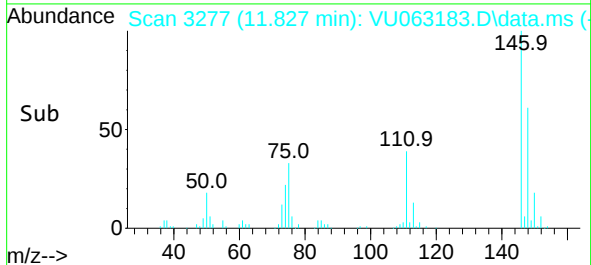
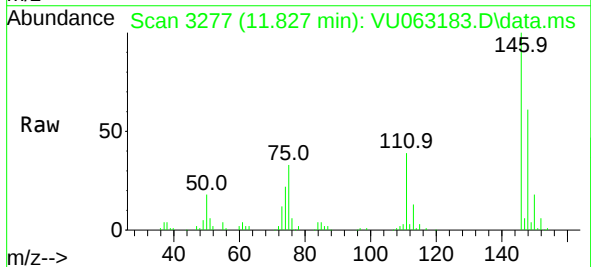


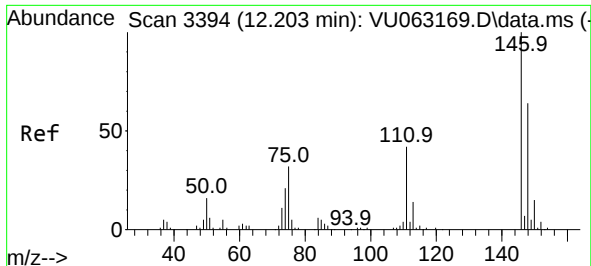
Tgt Ion:146 Resp: 6591
Ion Ratio Lower Upper
146 100
111 43.4 27.9 51.7
148 70.7 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 5.440 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063183.D
Acq: 06 Feb 2025 02:11

Tgt Ion:146 Resp: 66333
Ion Ratio Lower Upper
146 100
111 38.8 28.5 52.9
148 61.3 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 8.378 ug/L

RT: 12.200 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063183.D

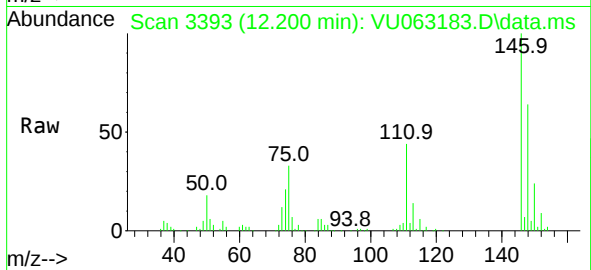
Acq: 06 Feb 2025 02:11

Instrument :

MSVOA_U

ClientSampleId :

DCZL9



Tgt Ion:146 Resp: 94946

Ion Ratio Lower Upper

146 100

111 43.7 34.1 51.1

148 64.1 52.5 78.7

