

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020525\
 Data File : VU063171.D
 Acq On : 05 Feb 2025 21:14
 Operator : MD/SY
 Sample : Q1226-01DL 2X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DCZJ6DL

Quant Time: Feb 06 08:10:32 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	6.235	114	80448	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	75743	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	33448	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	20331	4.418	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.400%
7) Chloroethane-d5	1.901	69	20661	4.838	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.554	65	9302	4.528	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.605	46	81846	54.029	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.060%
24) Chloroform-d	5.049	84	49956	4.910	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	5.689	65	27510	5.257	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.200%
32) Benzene-d6	5.714	84	98710	4.996	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
36) 1,2-Dichloropropane-d6	6.676	67	34230	5.255	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.200%
41) Toluene-d8	7.888	98	80552	4.615	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	8.171	79	11842	4.852	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.000%
46) 2-Hexanone-d5	8.621	63	65052	52.959	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.920%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	30543	5.313	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	30981	5.547	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	63083	8.162	ug/L	99
12) 1,1-Dichloroethene	2.570	96	12701	2.429	ug/L	88
16) Methylene chloride	3.030	84	68101	10.887	ug/L	99
18) trans-1,2-Dichloroethene	3.341	96	27314	4.885	ug/L	96
22) cis-1,2-Dichloroethene	4.650	96	43142	6.917	ug/L	99
27) 1,2-Dichloroethane	5.779	62	63493	8.710	ug/L	98
29) 1,1,1-Trichloroethane	5.300	97	37399	4.172	ug/L	99
31) Carbon tetrachloride	5.509	117	58708	7.761	ug/L	98
33) Benzene	5.759	78	159001	6.379	ug/L	100
34) Trichloroethene	6.531	95	41186	6.506	ug/L	99
37) 1,2-Dichloropropane	6.775	63	71196	10.710	ug/L	100
42) Toluene	7.959	91	30519	1.171	ug/L	99
45) 1,1,2-Trichloroethane	8.386	97	47438	9.662	ug/L	97
47) Tetrachloroethene	8.544	164	31675	7.124	ug/L	99
51) Chlorobenzene	9.434	112	136473	8.678	ug/L	100
52) Ethylbenzene	9.560	91	307732	11.293	ug/L	98
53) m,p-Xylene	9.682	106	66240	6.739	ug/L	97
54) o-Xylene	10.090	106	44868	4.603	ug/L	99
55) Styrene	10.106	104	30524	1.903	ug/L	96

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Feb 06 07:25:52 2025
Response via : Initial Calibration

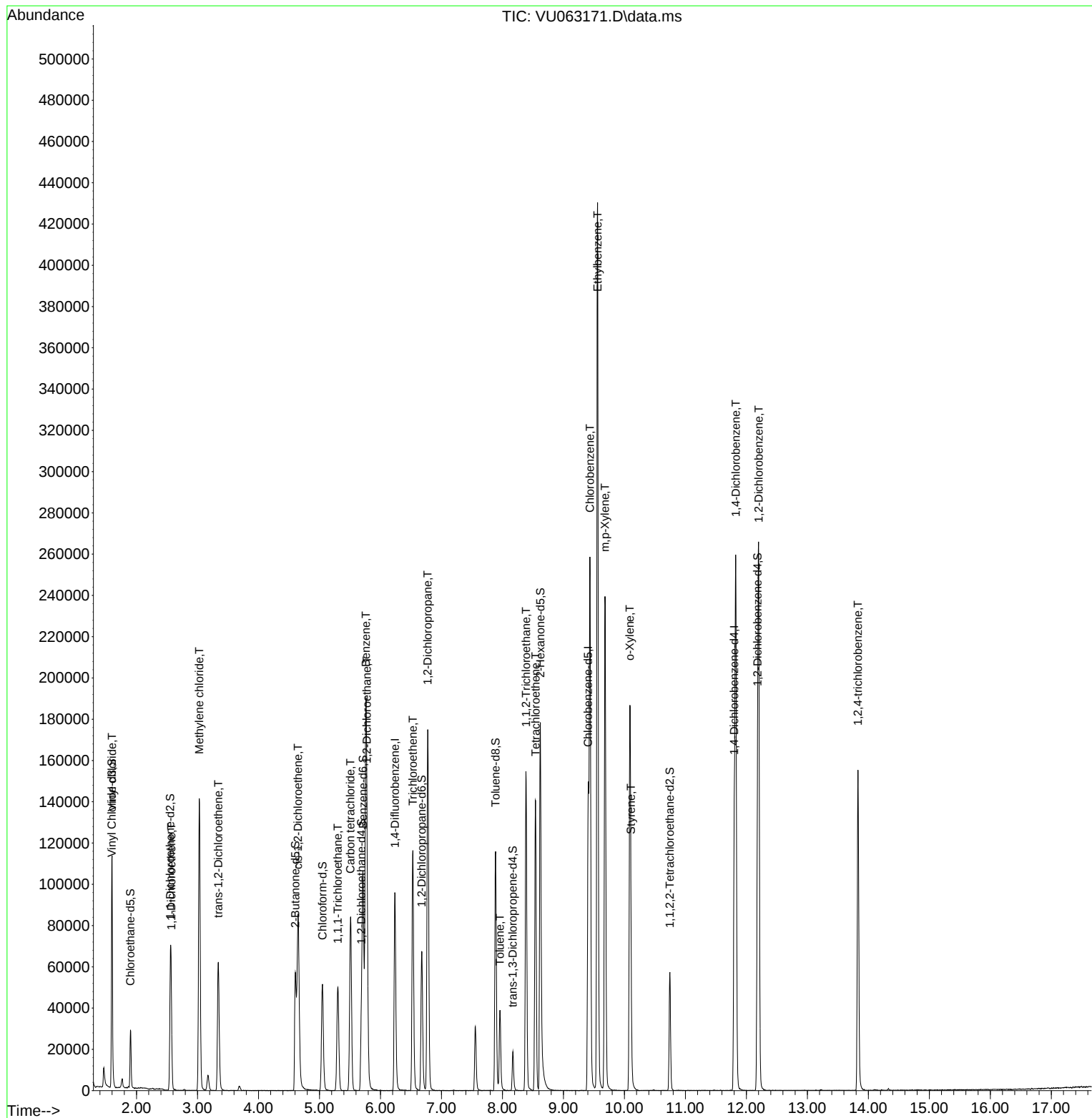
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.827	146	104032	9.615	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	99272	9.872	ug/L	98
70) 1,2,4-trichlorobenzene	13.830	180	51138	8.840	ug/L	100

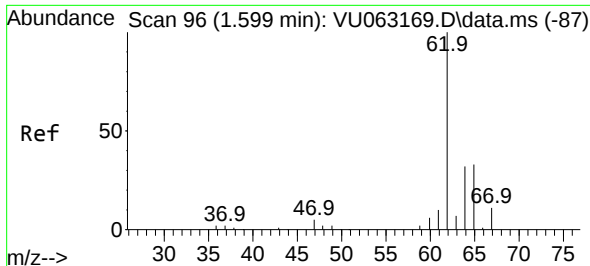
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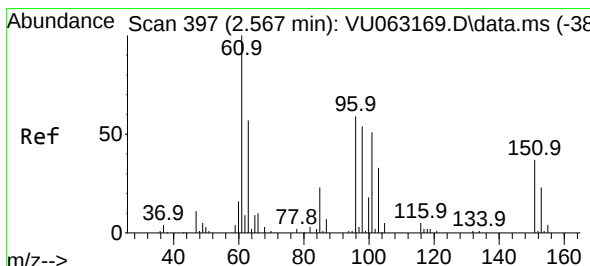
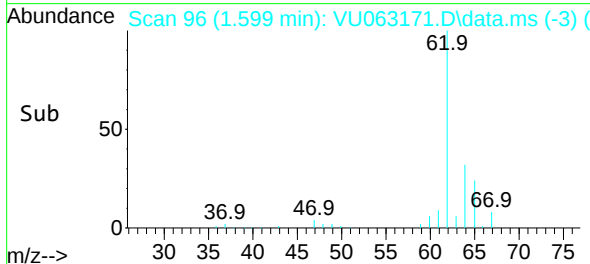
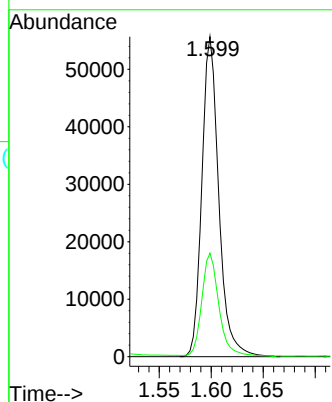
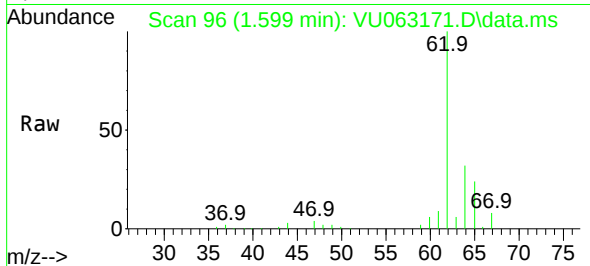




#5
 Vinyl chloride
 Concen: 8.162 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU063171.D
 Acq: 05 Feb 2025 21:14

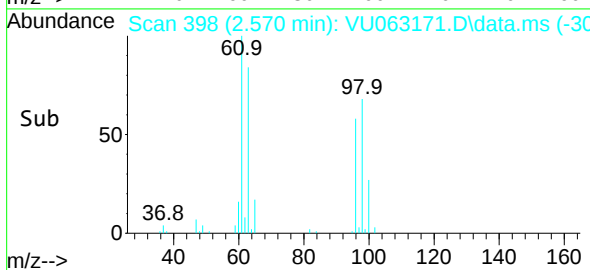
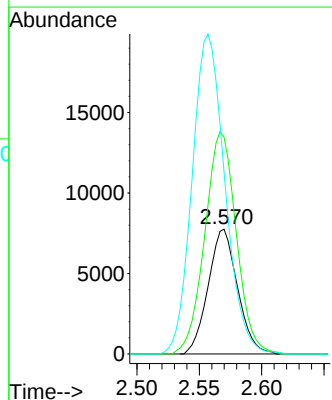
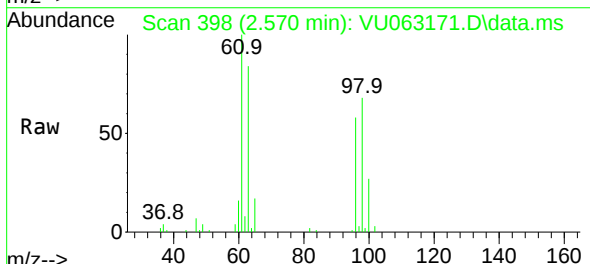
Instrument :
 MSVOA_U
 ClientSampleId :
 DCZJ6DL

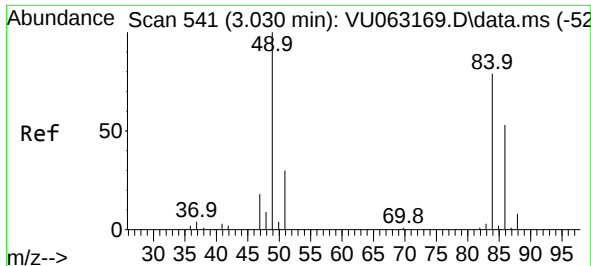
Tgt Ion: 62 Resp: 63083
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.2 43.0



#12
 1,1-Dichloroethene
 Concen: 2.429 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.000 min
 Lab File: VU063171.D
 Acq: 05 Feb 2025 21:14

Tgt Ion: 96 Resp: 12701
 Ion Ratio Lower Upper
 96 100
 61 173.7 121.9 226.3
 63 145.7 80.3 149.1

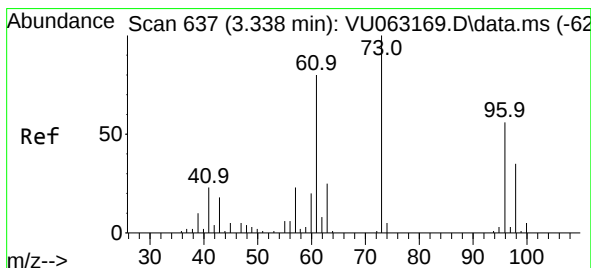
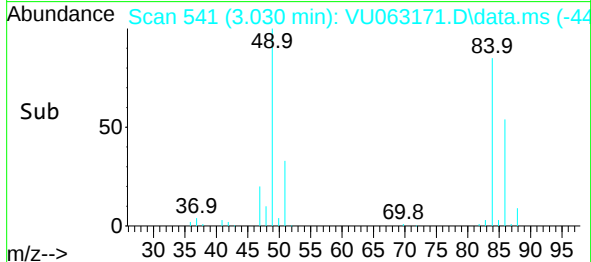
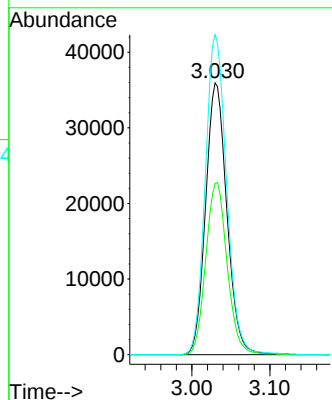
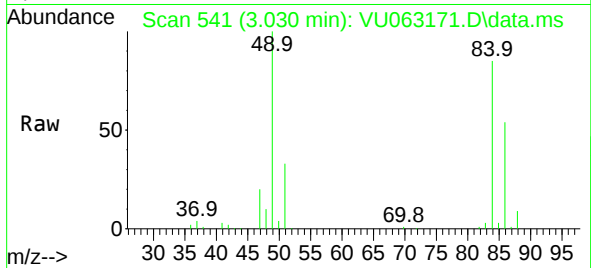




#16
Methylene chloride
Concen: 10.887 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU063171.D
Acq: 05 Feb 2025 21:14

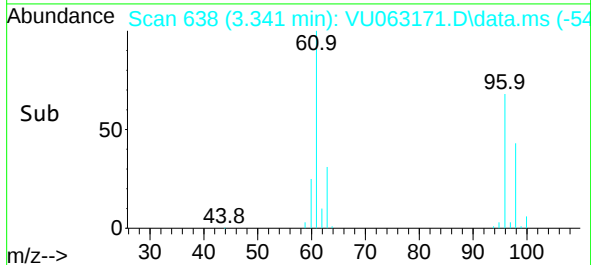
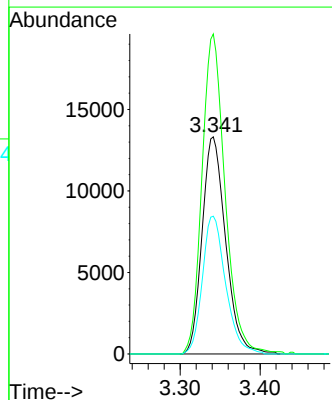
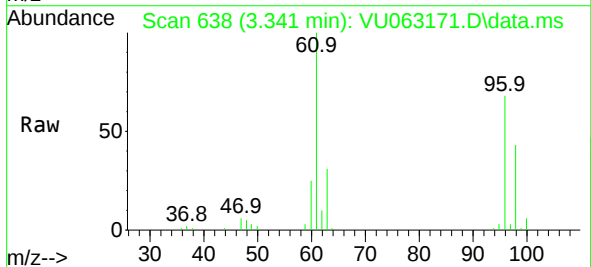
Instrument :
MSVOA_U
ClientSampleId :
DCZJ6DL

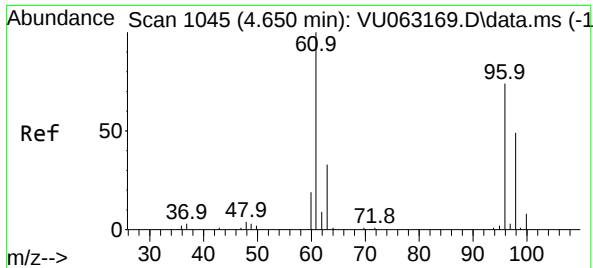
Tgt Ion: 84 Resp: 68101
Ion Ratio Lower Upper
84 100
86 63.1 45.0 83.6
49 117.7 82.4 153.0



#18
trans-1,2-Dichloroethene
Concen: 4.885 ug/L
RT: 3.341 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU063171.D
Acq: 05 Feb 2025 21:14

Tgt Ion: 96 Resp: 27314
Ion Ratio Lower Upper
96 100
61 147.4 99.2 184.2
98 63.4 43.2 80.2

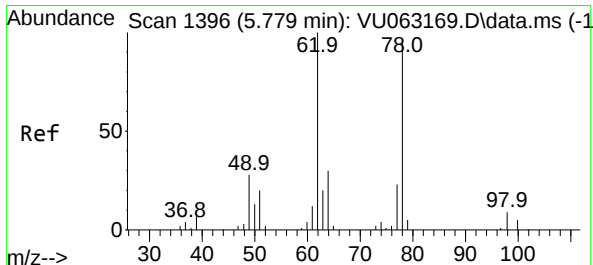
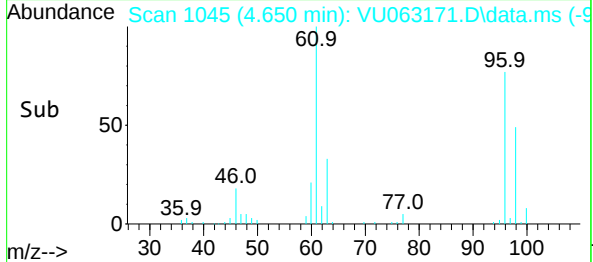
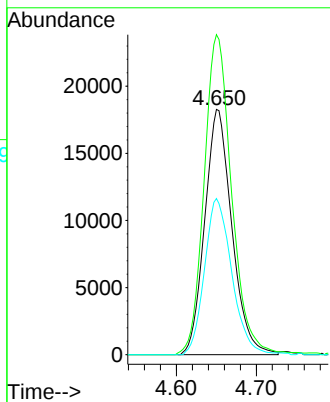
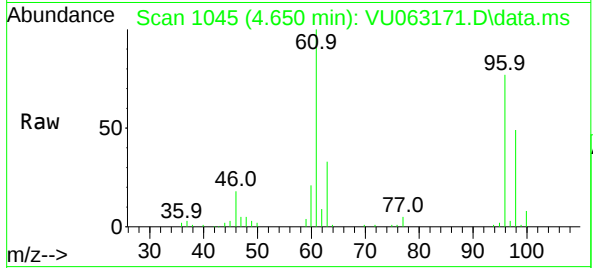




#22
 cis-1,2-Dichloroethene
 Concen: 6.917 ug/L
 RT: 4.650 min Scan# 1045
 Delta R.T. -0.003 min
 Lab File: VU063171.D
 Acq: 05 Feb 2025 21:14

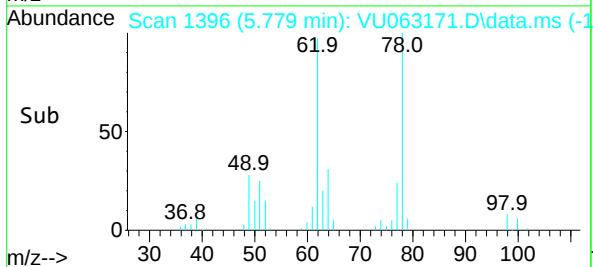
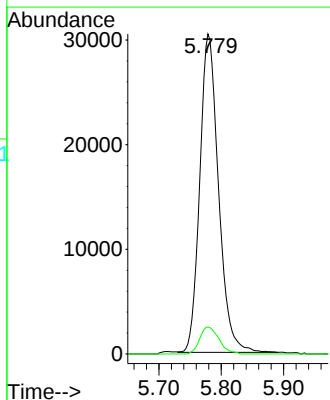
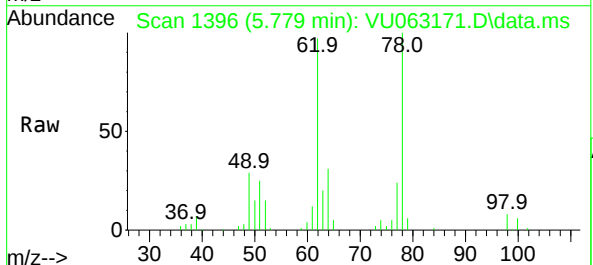
Instrument :
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 ClientSampleId :
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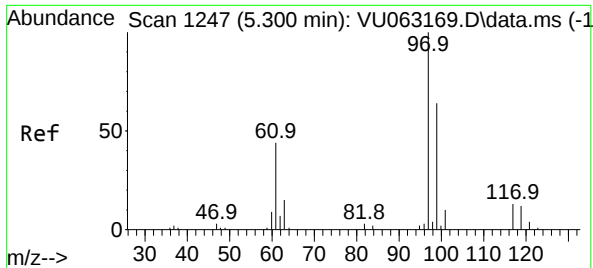
Tgt Ion: 96 Resp: 43142
 Ion Ratio Lower Upper
 96 100
 61 130.5 91.8 170.6
 98 63.7 44.4 82.4



#27
 1,2-Dichloroethane
 Concen: 8.710 ug/L
 RT: 5.779 min Scan# 1396
 Delta R.T. -0.003 min
 Lab File: VU063171.D
 Acq: 05 Feb 2025 21:14

Tgt Ion: 62 Resp: 63493
 Ion Ratio Lower Upper
 62 100
 98 8.4 7.2 10.8

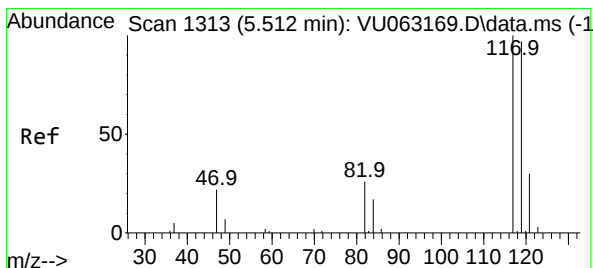
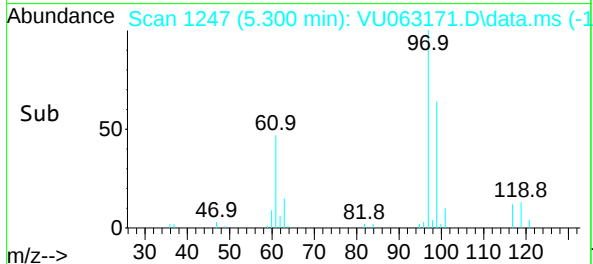
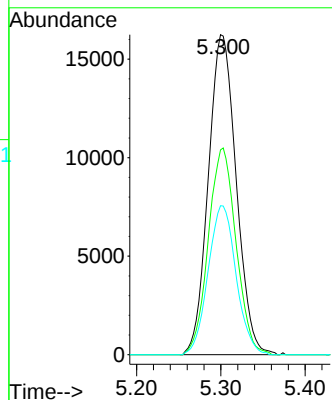
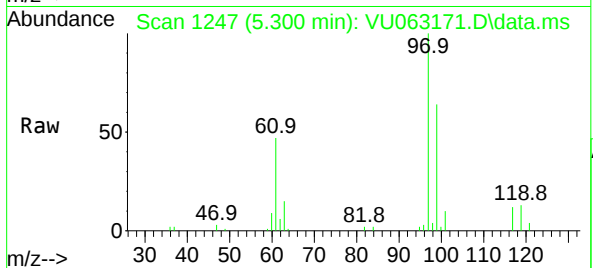




#29
1,1,1-Trichloroethane
Concen: 4.172 ug/L
RT: 5.300 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063171.D
Acq: 05 Feb 2025 21:14

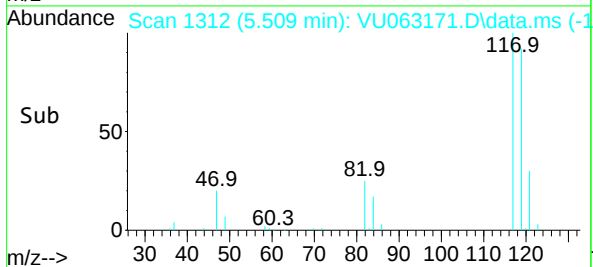
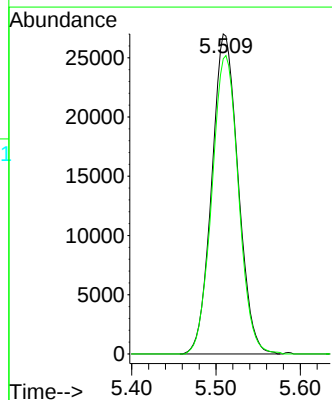
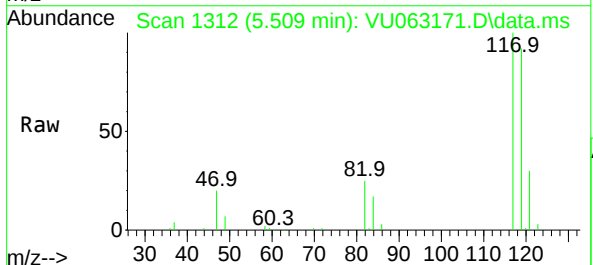
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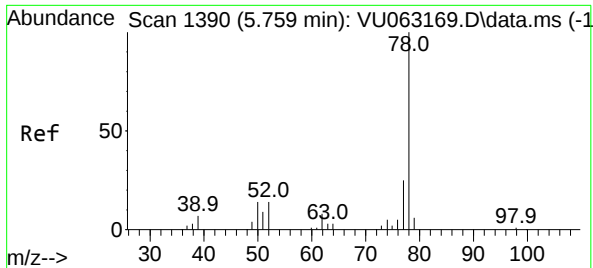
Tgt Ion: 97 Resp: 37399
Ion Ratio Lower Upper
97 100
99 64.1 51.5 77.3
61 46.6 38.5 57.7



#31
Carbon tetrachloride
Concen: 7.761 ug/L
RT: 5.509 min Scan# 1312
Delta R.T. -0.003 min
Lab File: VU063171.D
Acq: 05 Feb 2025 21:14

Tgt Ion: 117 Resp: 58708
Ion Ratio Lower Upper
117 100
119 94.2 77.0 115.4

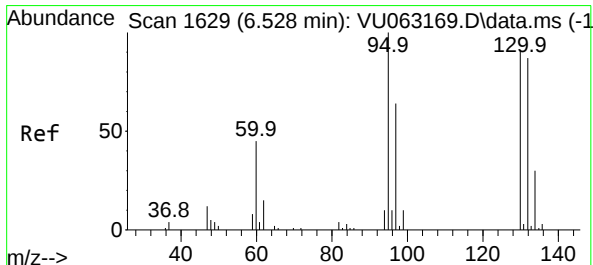
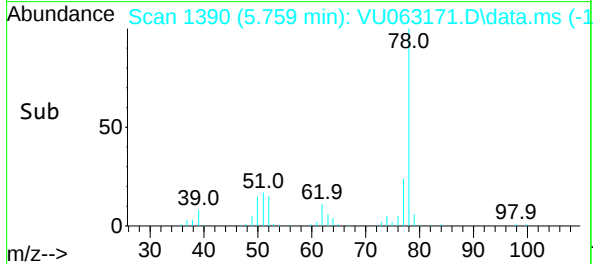
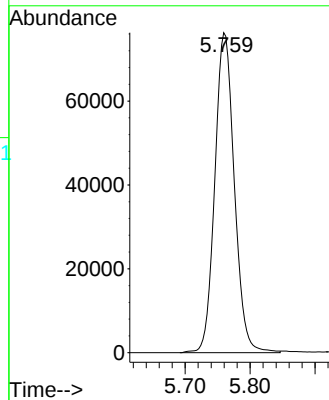
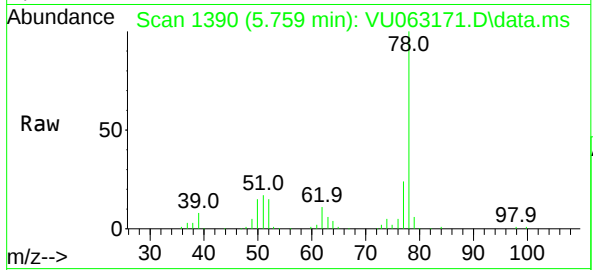




#33
Benzene
Concen: 6.379 ug/L
RT: 5.759 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063171.D
Acq: 05 Feb 2025 21:14

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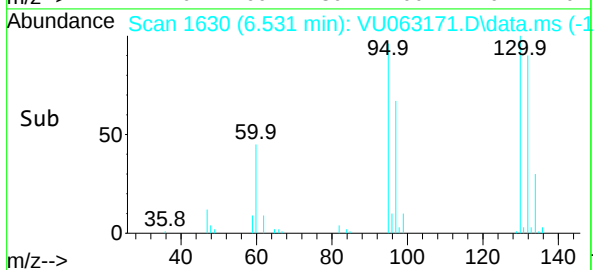
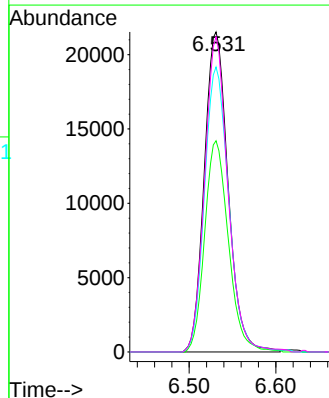
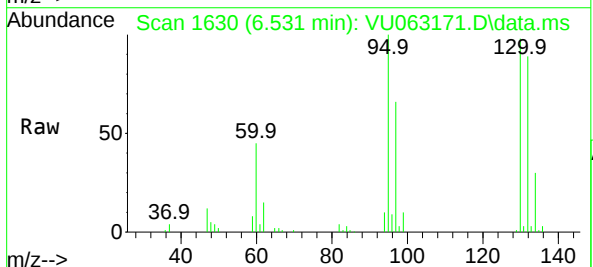
Tgt Ion: 78 Resp: 159001

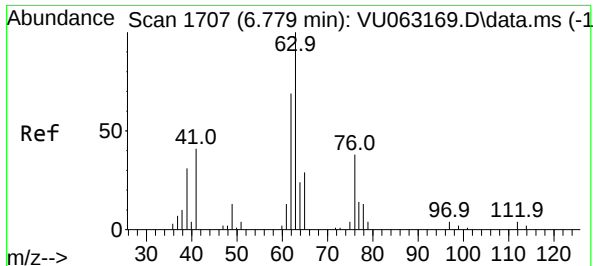


#34
Trichloroethene
Concen: 6.506 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU063171.D
Acq: 05 Feb 2025 21:14

Tgt Ion: 95 Resp: 41186

Ion	Ratio	Lower	Upper
95	100		
97	66.0	46.7	86.7
132	89.0	62.4	115.8
130	98.4	67.3	124.9





#37

1,2-Dichloropropane

Concen: 10.710 ug/L

RT: 6.775 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063171.D

Acq: 05 Feb 2025 21:14

Instrument :

MSVOA_U

ClientSampleId :

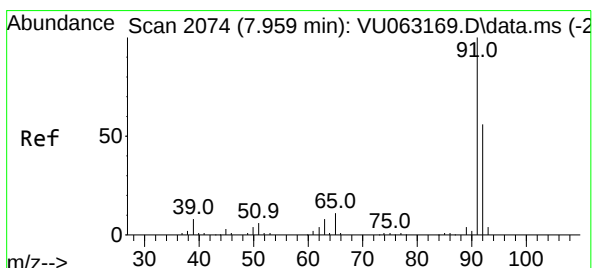
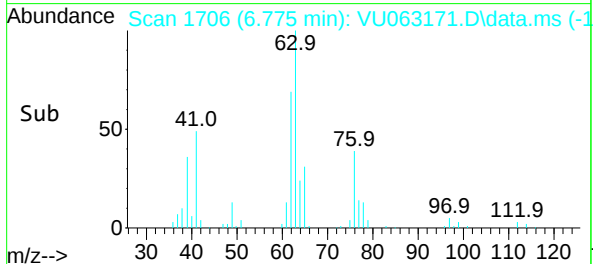
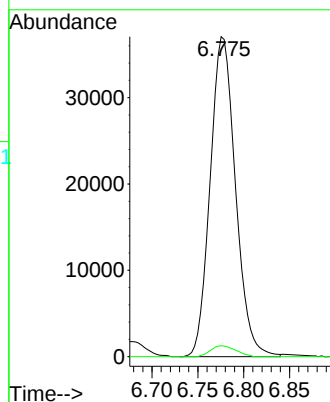
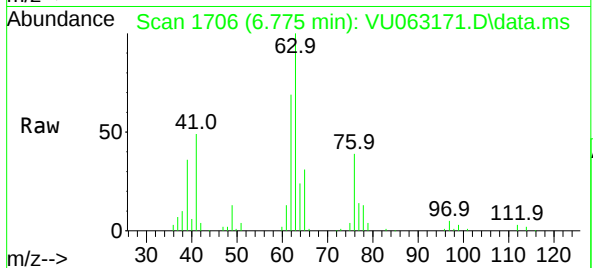
DCZJ6DL

Tgt Ion: 63 Resp: 71196

Ion Ratio Lower Upper

63 100

112 3.4 2.6 4.0



#42

Toluene

Concen: 1.171 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063171.D

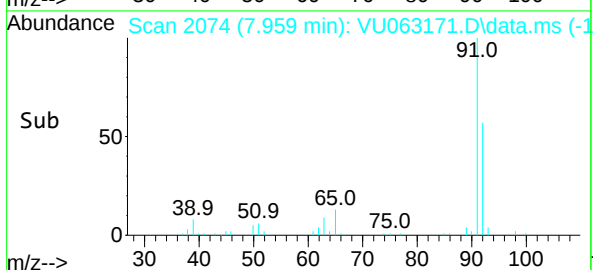
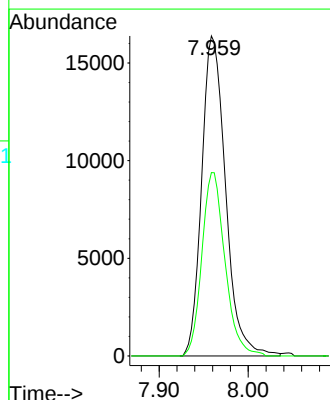
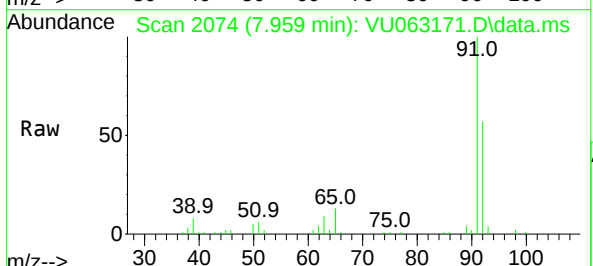
Acq: 05 Feb 2025 21:14

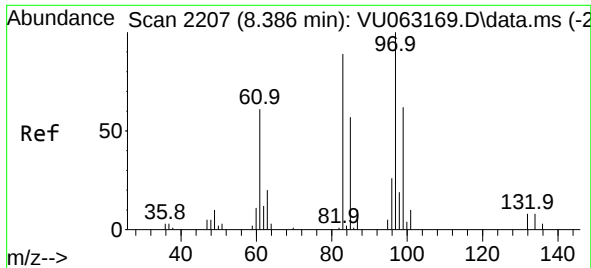
Tgt Ion: 91 Resp: 30519

Ion Ratio Lower Upper

91 100

92 57.3 39.5 73.4



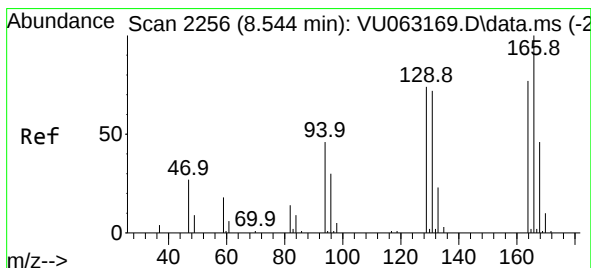
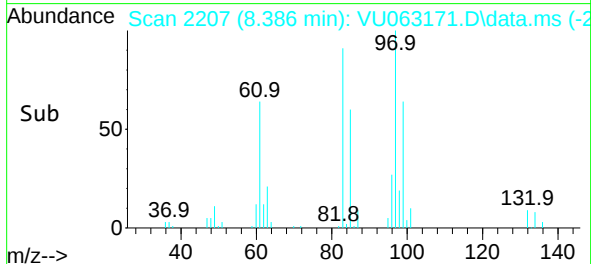
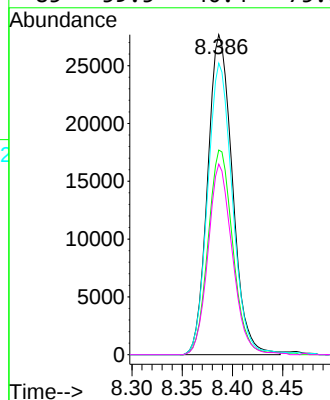
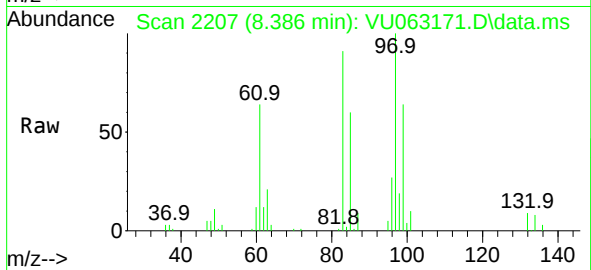


#45
1,1,2-Trichloroethane
Concen: 9.662 ug/L
RT: 8.386 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063171.D
Acq: 05 Feb 2025 21:14

Instrument :
MSVOA_U
ClientSampleId :
DCZJ6DL

Tgt Ion: 97 Resp: 47438

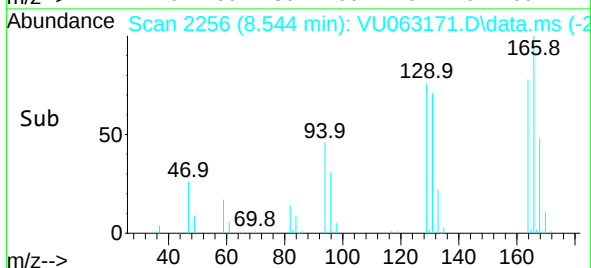
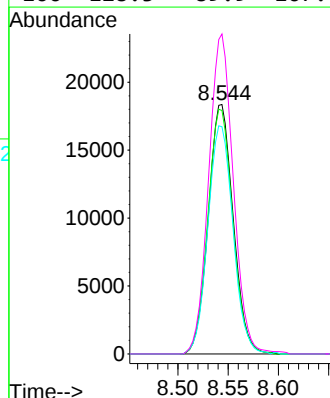
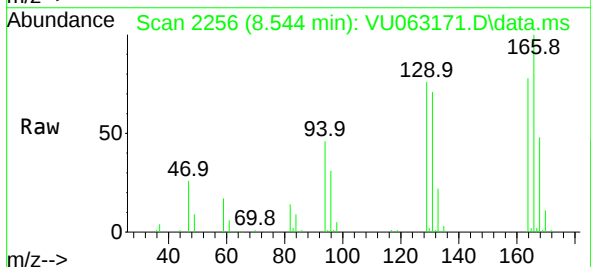
Ion	Ratio	Lower	Upper
97	100		
99	63.9	42.2	78.4
83	91.1	62.9	116.9
85	59.5	40.4	75.0

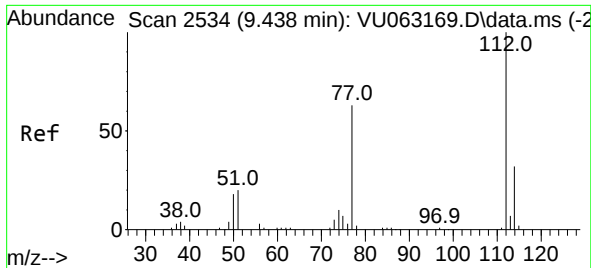


#47
Tetrachloroethene
Concen: 7.124 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063171.D
Acq: 05 Feb 2025 21:14

Tgt Ion: 164 Resp: 31675

Ion	Ratio	Lower	Upper
164	100		
129	97.6	68.6	127.4
131	91.1	66.5	123.5
166	128.3	89.9	167.0

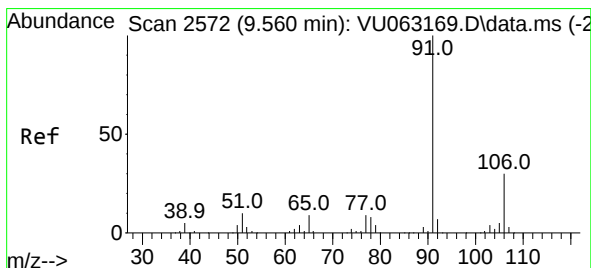
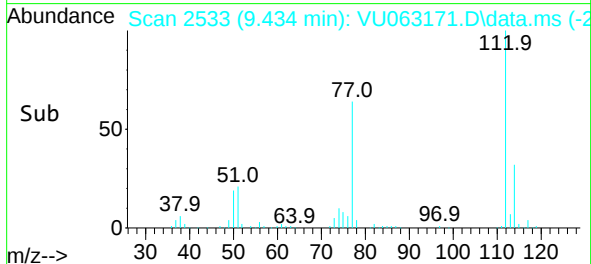
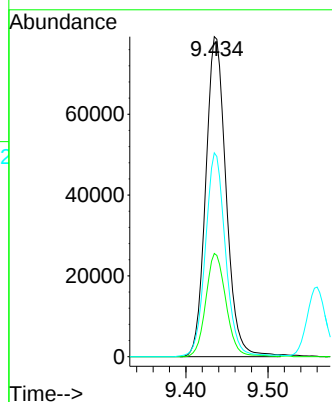
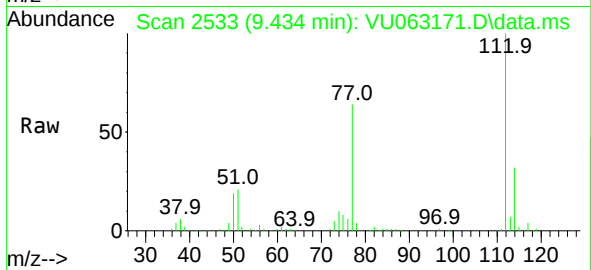




#51
Chlorobenzene
Concen: 8.678 ug/L
RT: 9.434 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063171.D
Acq: 05 Feb 2025 21:14

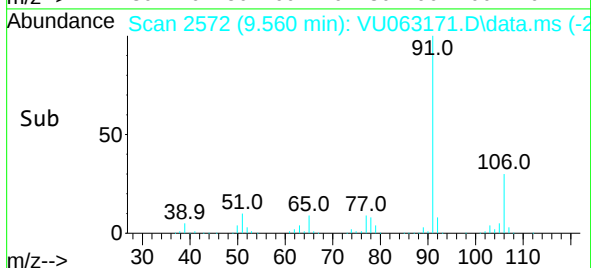
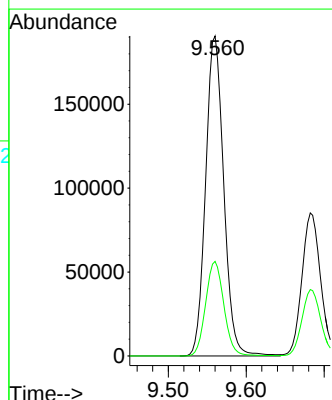
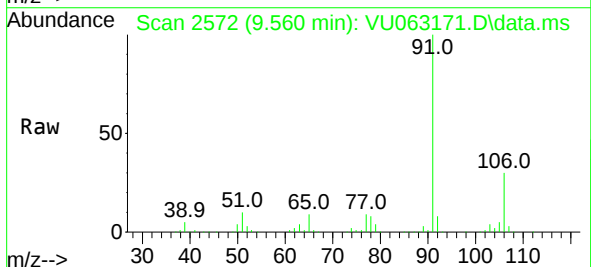
Instrument :
MSVOA_U
ClientSampleId :
DCZJ6DL

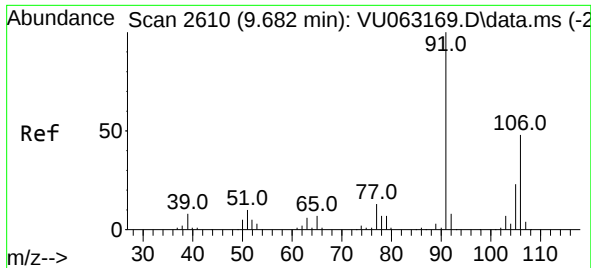
Tgt Ion:112 Resp: 136473
Ion Ratio Lower Upper
112 100
114 32.2 22.6 42.0
77 63.7 50.8 76.2



#52
Ethylbenzene
Concen: 11.293 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063171.D
Acq: 05 Feb 2025 21:14

Tgt Ion: 91 Resp: 307732
Ion Ratio Lower Upper
91 100
106 29.5 21.3 39.6

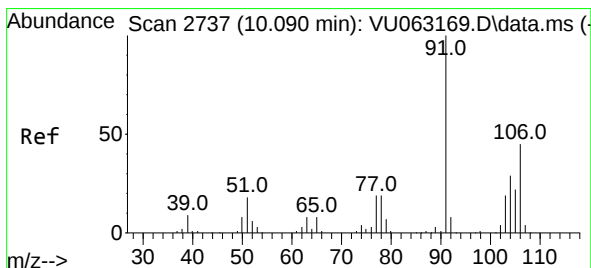
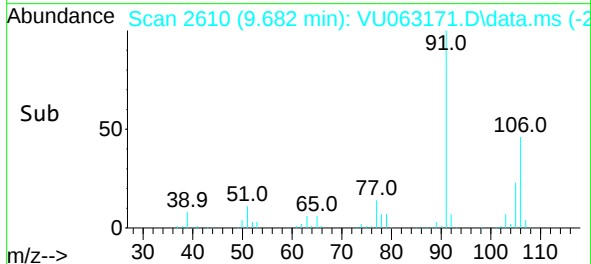
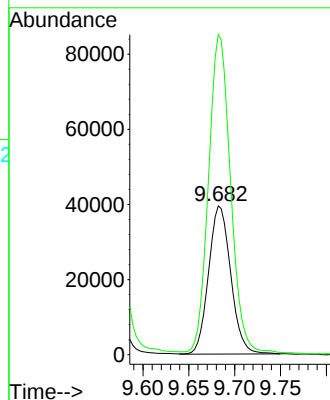
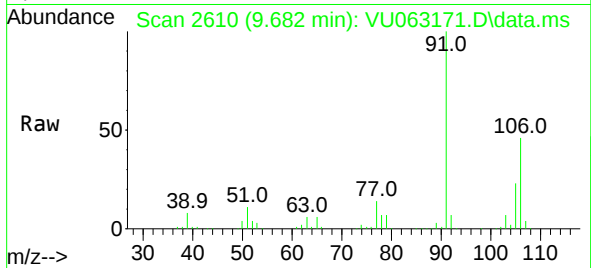




#53
m,p-Xylene
Concen: 6.739 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063171.D
Acq: 05 Feb 2025 21:14

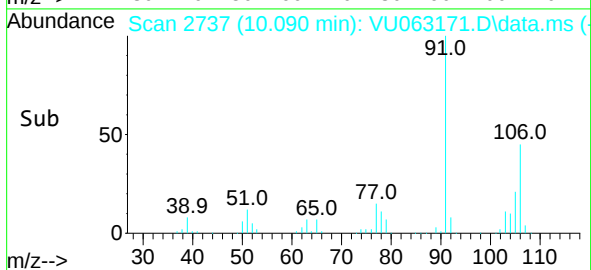
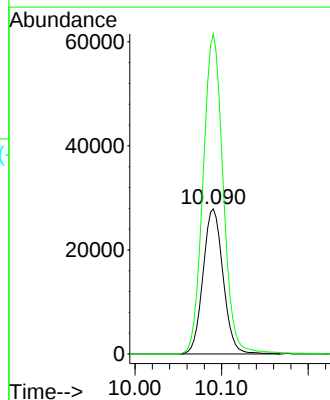
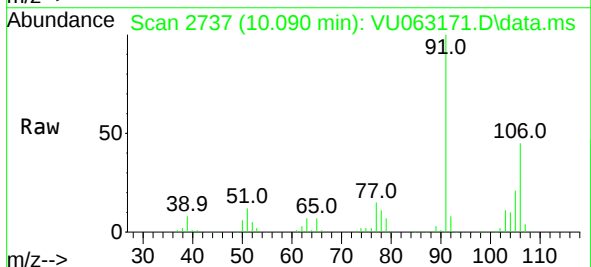
Instrument :
MSVOA_U
ClientSampleId :
DCZJ6DL

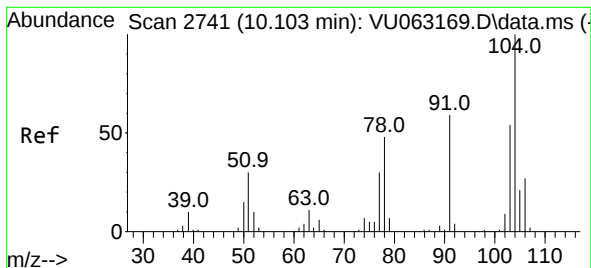
Tgt Ion:106 Resp: 66240
Ion Ratio Lower Upper
106 100
91 215.2 147.3 273.6



#54
o-Xylene
Concen: 4.603 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063171.D
Acq: 05 Feb 2025 21:14

Tgt Ion:106 Resp: 44868
Ion Ratio Lower Upper
106 100
91 220.4 155.4 288.6





#55

Styrene

Concen: 1.903 ug/L

RT: 10.106 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063171.D

Acq: 05 Feb 2025 21:14

Instrument :

MSVOA_U

ClientSampleId :

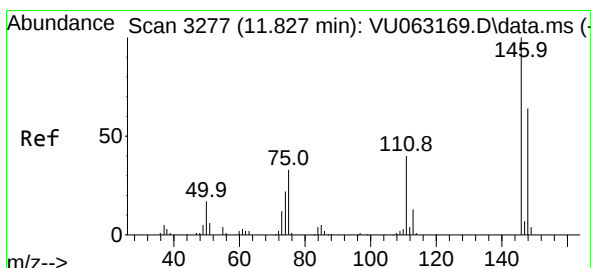
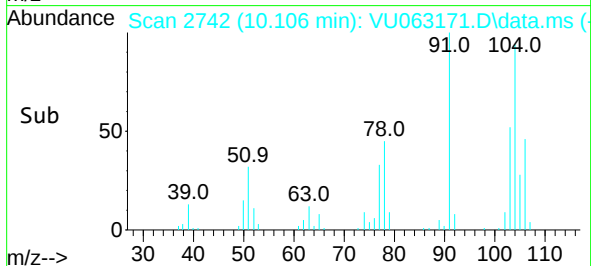
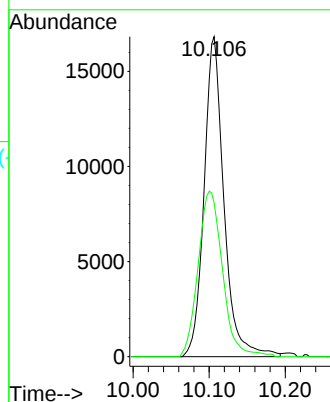
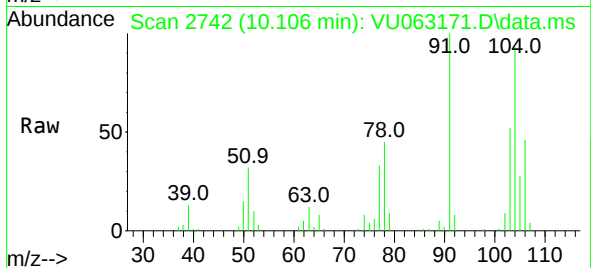
DCZJ6DL

Tgt Ion:104 Resp: 30524

Ion Ratio Lower Upper

104 100

78 48.0 31.6 58.6



#65

1,4-Dichlorobenzene

Concen: 9.615 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU063171.D

Acq: 05 Feb 2025 21:14

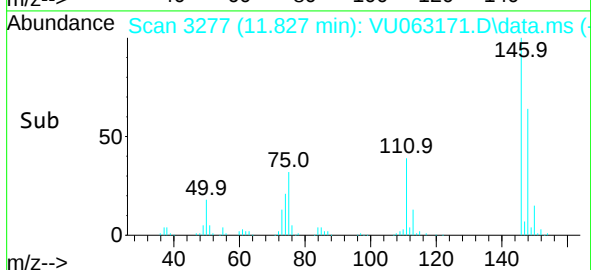
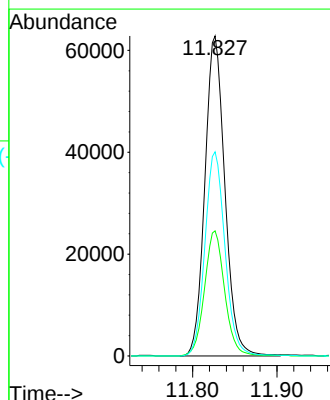
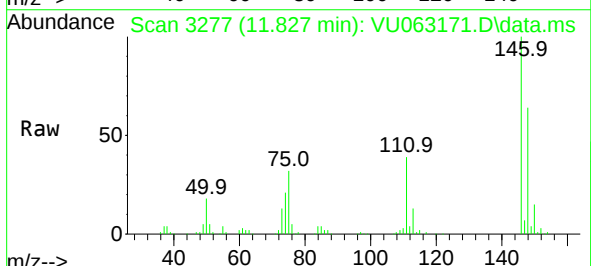
Tgt Ion:146 Resp: 104032

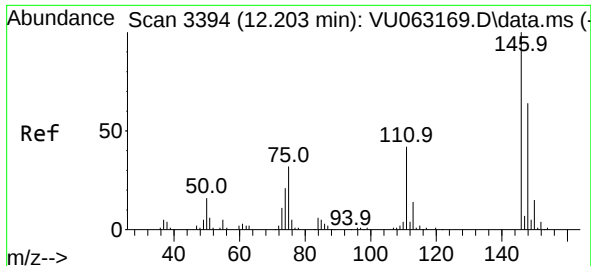
Ion Ratio Lower Upper

146 100

111 39.1 28.5 52.9

148 63.8 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 9.872 ug/L

RT: 12.203 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063171.D

Acq: 05 Feb 2025 21:14

Instrument :

MSVOA_U

ClientSampleId :

DCZJ6DL

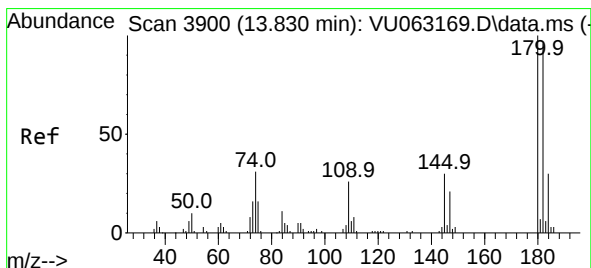
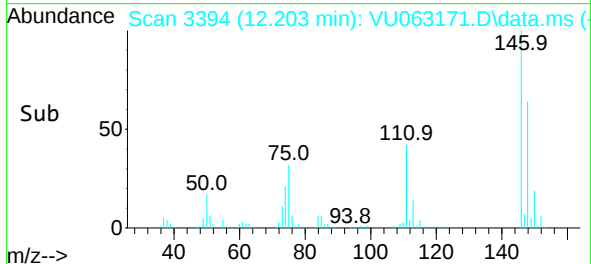
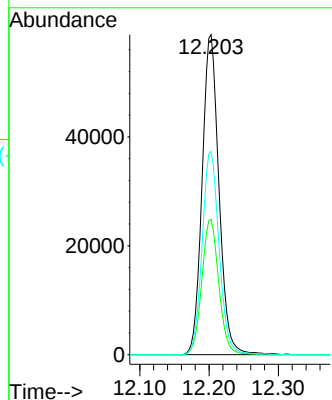
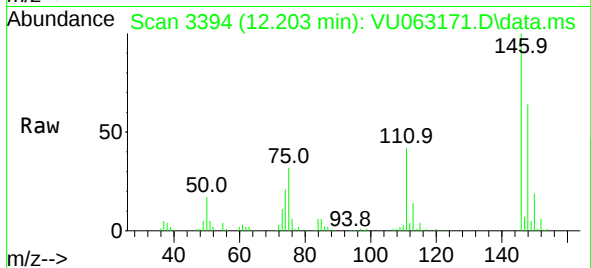
Tgt Ion:146 Resp: 99272

Ion Ratio Lower Upper

146 100

111 42.2 34.1 51.1

148 63.5 52.5 78.7



#70

1,2,4-trichlorobenzene

Concen: 8.840 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.003 min

Lab File: VU063171.D

Acq: 05 Feb 2025 21:14

Tgt Ion:180 Resp: 51138

Ion Ratio Lower Upper

180 100

182 95.2 76.1 114.1

145 29.9 24.3 36.5

