

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012825\
 Data File : VU063061.D
 Acq On : 28 Jan 2025 12:06
 Operator : MD/SY
 Sample : Q1192-11
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44X6

Quant Time: Jan 29 08:55:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 08:16:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	113234	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	104569	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	59865	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	14415	3.541	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.800%
7) Chloroethane-d5	1.904	69	14412	4.663	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.554	65	10726	4.406	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.200%
20) 2-Butanone-d5	4.608	46	50801	43.000	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.000%
24) Chloroform-d	5.049	84	67662	4.185	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
26) 1,2-Dichloroethane-d4	5.692	65	40429	4.380	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
32) Benzene-d6	5.714	84	103190	4.318	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.676	67	27437	4.509	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.888	98	104203	4.411	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	8.171	79	17876	4.746	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.621	63	45774	48.704	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.400%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	26574	4.600	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	51249	4.782	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.600%

Target Compounds				Qvalue		
5) Vinyl chloride	1.599	62	42003	7.711	ug/L	91
12) 1,1-Dichloroethene	2.570	96	80297	13.650	ug/L #	73
16) Methylene chloride	3.033	84	137741	22.212	ug/L	93
18) trans-1,2-Dichloroethene	3.342	96	100663	15.991	ug/L	91
22) cis-1,2-Dichloroethene	4.653	96	40873	5.433	ug/L	93
27) 1,2-Dichloroethane	5.782	62	26559	2.403	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	190888	11.772	ug/L	97
31) Carbon tetrachloride	5.512	117	151992	9.736	ug/L	99
33) Benzene	5.759	78	421478	16.637	ug/L	100
34) Trichloroethene	6.531	95	38683	4.493	ug/L	92
37) 1,2-Dichloropropane	6.779	63	70862	12.437	ug/L #	96
42) Toluene	7.959	91	559042	18.565	ug/L	100
45) 1,1,2-Trichloroethane	8.390	97	20099	3.748	ug/L	95
47) Tetrachloroethene	8.544	164	105137	14.042	ug/L	95
51) Chlorobenzene	9.438	112	248218	11.888	ug/L	95
52) Ethylbenzene	9.560	91	574593	16.373	ug/L	100
53) m,p-Xylene	9.682	106	198836	14.672	ug/L	100
54) o-Xylene	10.090	106	77130	6.212	ug/L	99
55) Styrene	10.103	104	403570	19.227	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012825\
Data File : VU063061.D
Acq On : 28 Jan 2025 12:06
Operator : MD/SY
Sample : Q1192-11
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A44X6

Quant Time: Jan 29 08:55:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 29 08:16:38 2025
Response via : Initial Calibration

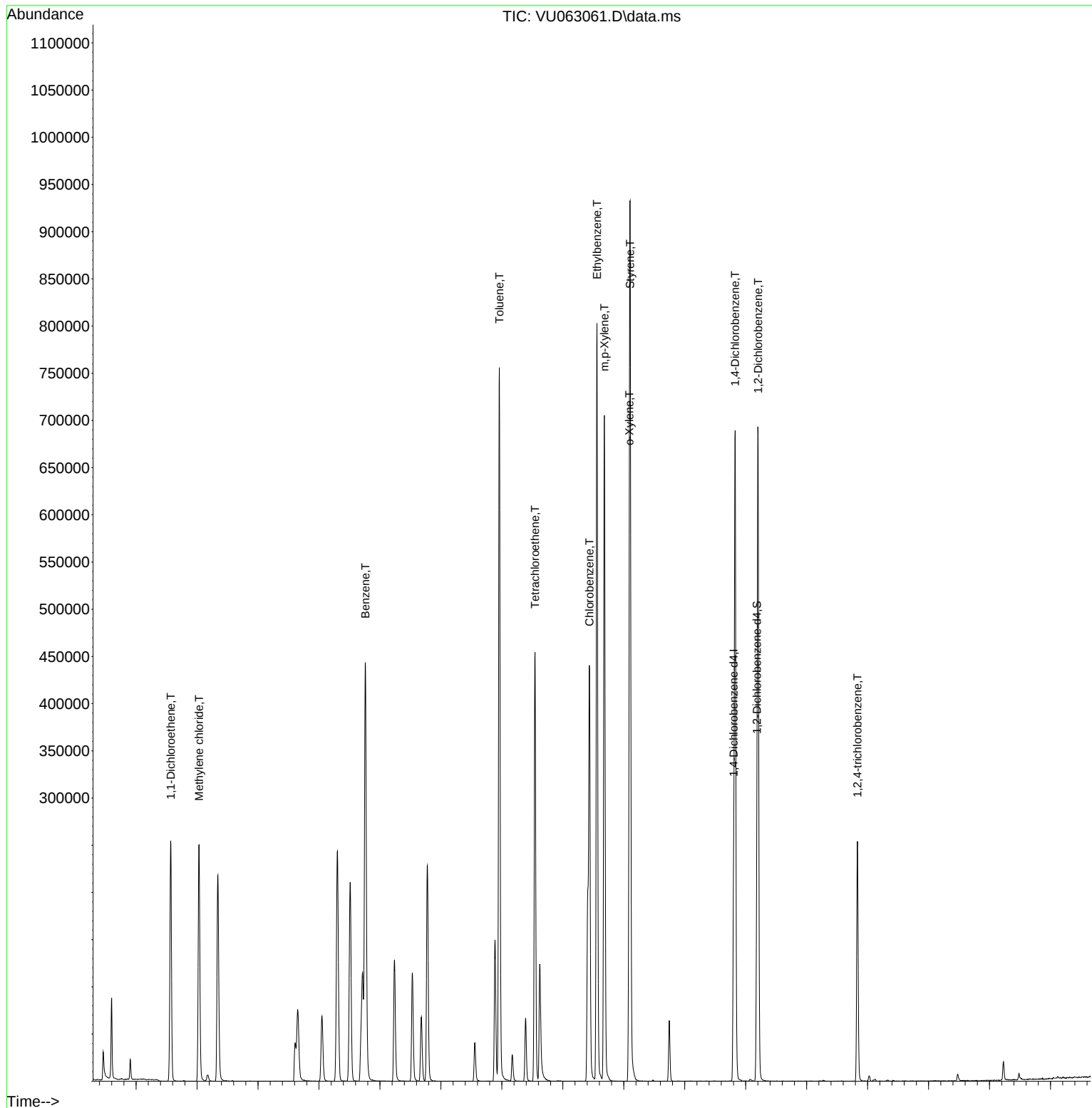
	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
65)	1,4-Dichlorobenzene	11.827	146	288397	14.927 ug/L	98
67)	1,2-Dichlorobenzene	12.203	146	280124	15.459 ug/L	96
70)	1,2,4-trichlorobenzene	13.833	180	85121	7.069 ug/L	100

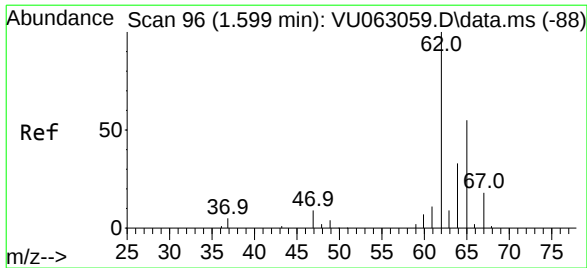
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012825\
Data File : VU063061.D
Acq On : 28 Jan 2025 12:06
Operator : MD/SY
Sample : Q1192-11
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A44X6

Quant Time: Jan 29 08:55:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 29 08:16:38 2025
Response via : Initial Calibration

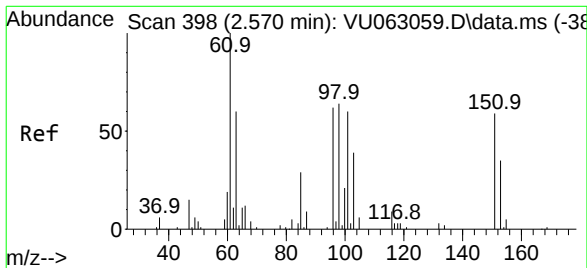
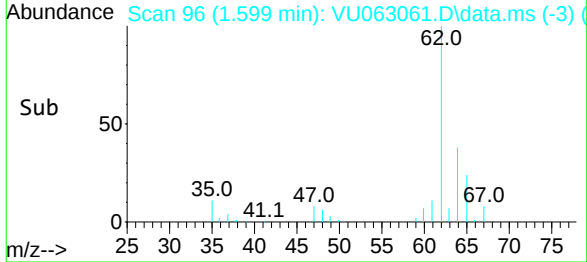
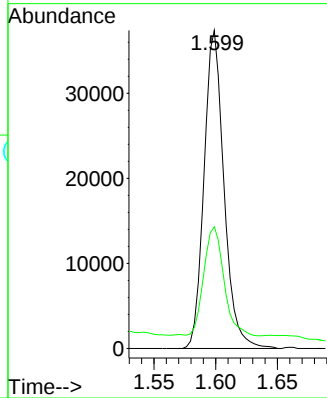
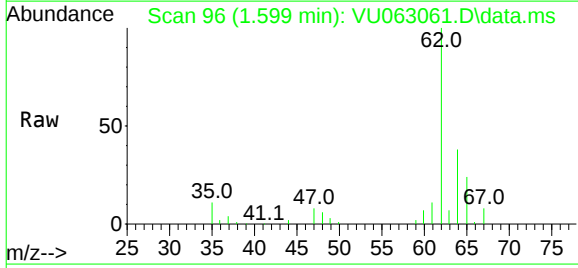




#5
 Vinyl chloride
 Concen: 7.711 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU063061.D
 Acq: 28 Jan 2025 12:06

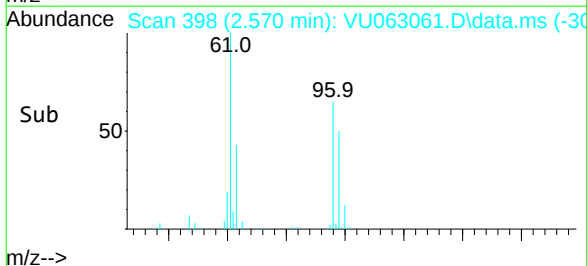
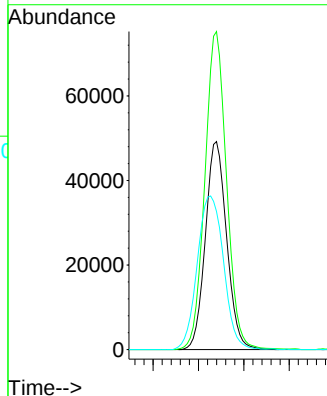
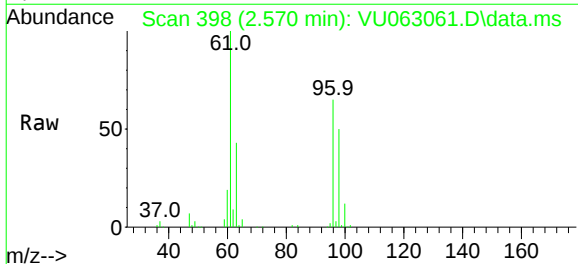
Instrument :
 MSVOA_U
 ClientSampleId :
 A44X6

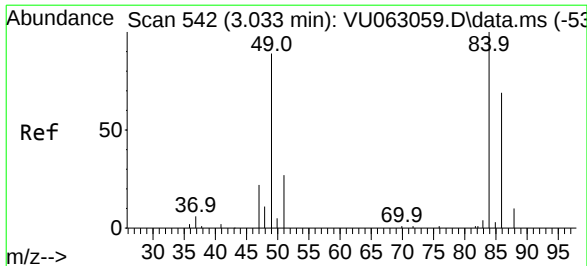
Tgt Ion: 62 Resp: 42003
 Ion Ratio Lower Upper
 62 100
 64 38.2 23.4 43.4



#12
 1,1-Dichloroethene
 Concen: 13.650 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.000 min
 Lab File: VU063061.D
 Acq: 28 Jan 2025 12:06

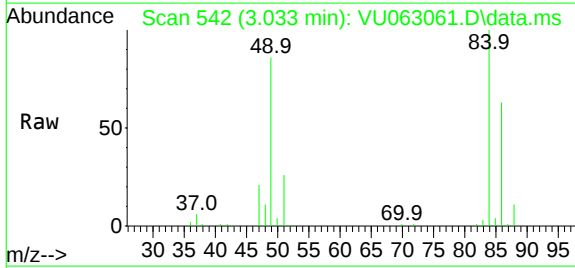
Tgt Ion: 96 Resp: 80297
 Ion Ratio Lower Upper
 96 100
 61 152.9 120.4 223.6
 63 66.4 82.3 152.9#



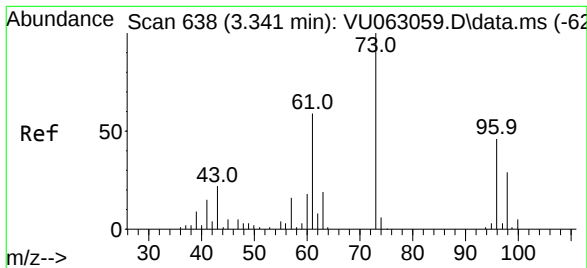
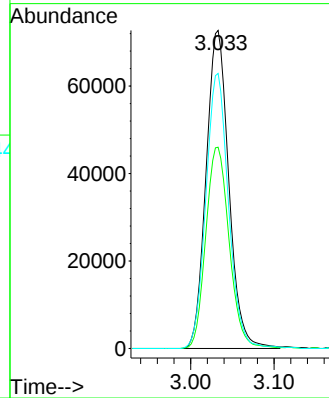
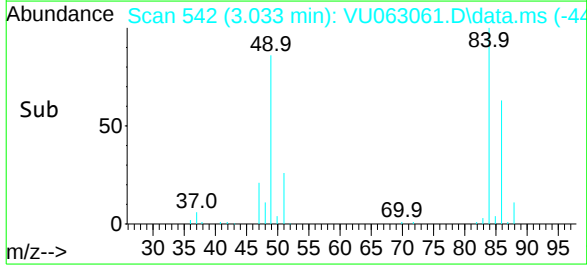


#16
Methylene chloride
Concen: 22.212 ug/L
RT: 3.033 min Scan# 54
Delta R.T. 0.000 min
Lab File: VU063061.D
Acq: 28 Jan 2025 12:06

Instrument :
MSVOA_U
ClientSampleId :
A44X6

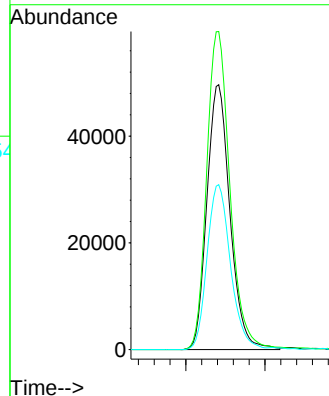
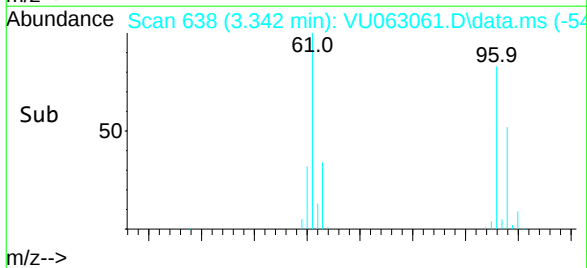
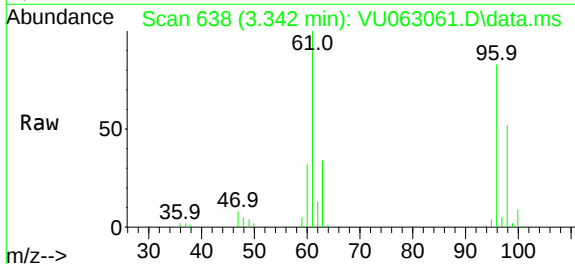


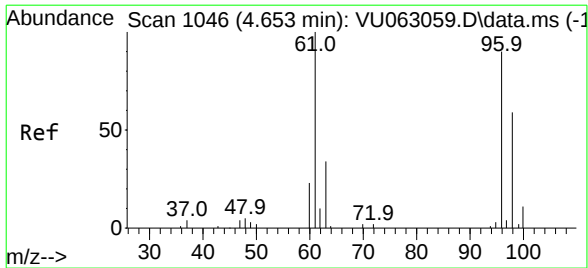
Tgt Ion: 84 Resp: 137741
Ion Ratio Lower Upper
84 100
86 63.3 44.7 83.1
49 86.5 68.3 126.9



#18
trans-1,2-Dichloroethene
Concen: 15.991 ug/L
RT: 3.342 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU063061.D
Acq: 28 Jan 2025 12:06

Tgt Ion: 96 Resp: 100663
Ion Ratio Lower Upper
96 100
61 120.1 94.4 175.2
98 62.3 42.8 79.4

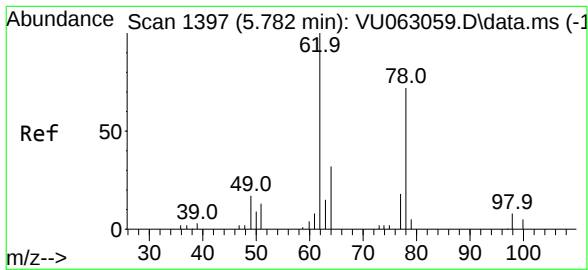
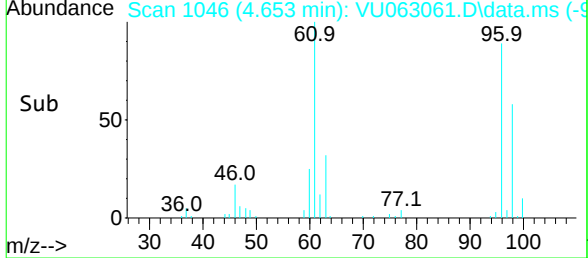
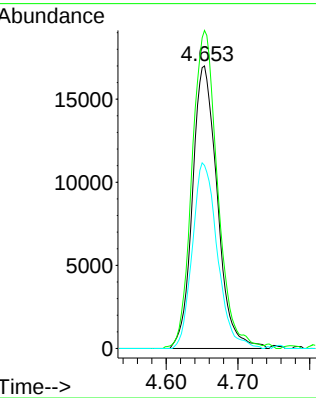
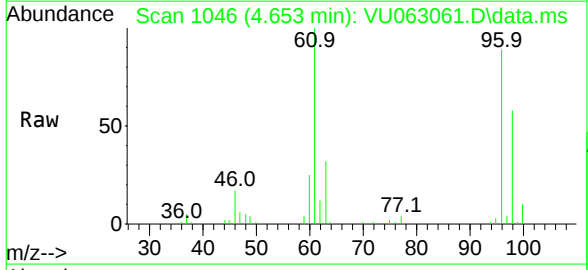




#22
 cis-1,2-Dichloroethene
 Concen: 5.433 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. 0.000 min
 Lab File: VU063061.D
 Acq: 28 Jan 2025 12:06

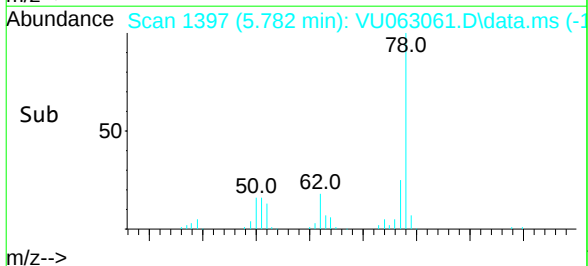
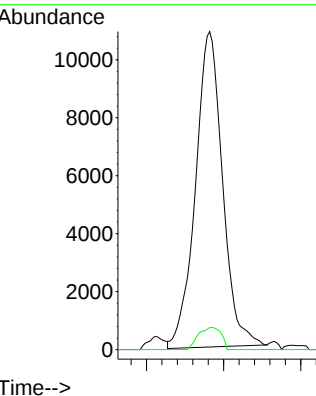
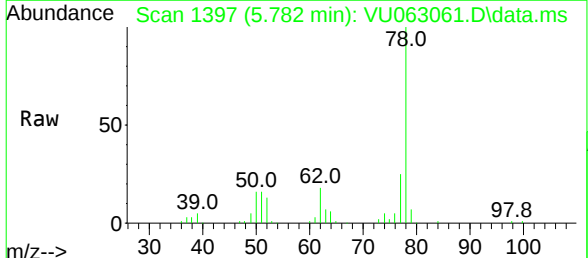
Instrument :
 MSVOA_U
 ClientSampleId :
 A44X6

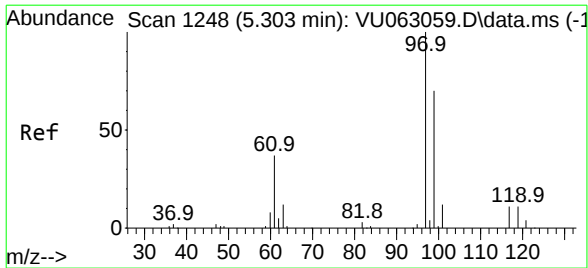
Tgt Ion:	96	Resp:	40873
Ion	Ratio	Lower	Upper
96	100		
61	112.6	84.8	157.6
98	64.8	43.1	80.1



#27
 1,2-Dichloroethane
 Concen: 2.403 ug/L
 RT: 5.782 min Scan# 1397
 Delta R.T. 0.000 min
 Lab File: VU063061.D
 Acq: 28 Jan 2025 12:06

Tgt Ion:	62	Resp:	26559
Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.8	8.6

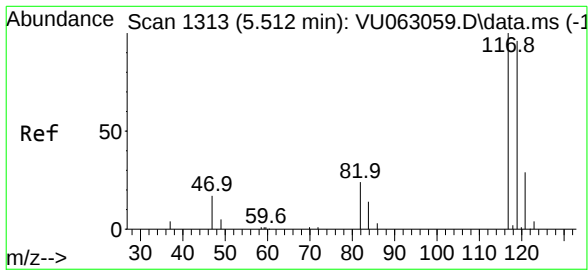
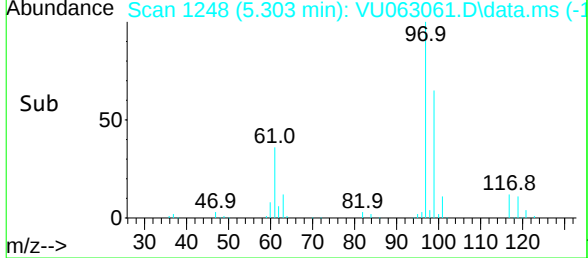
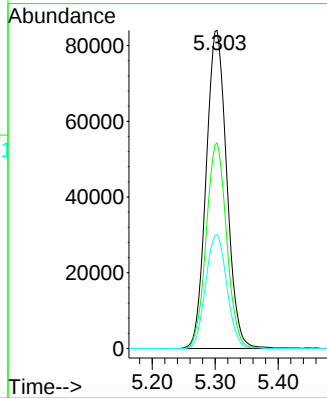
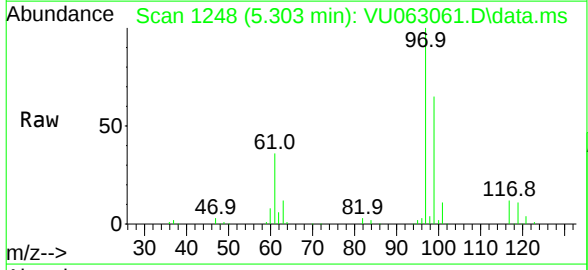




#29
1,1,1-Trichloroethane
Concen: 11.772 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VU063061.D
Acq: 28 Jan 2025 12:06

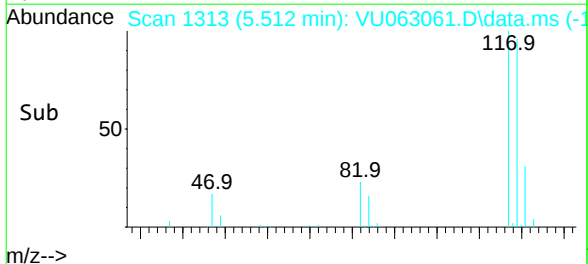
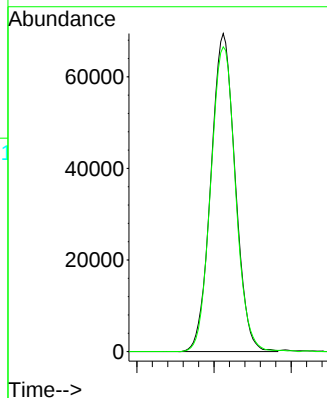
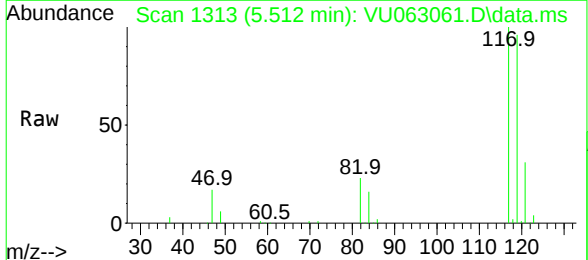
Instrument :
MSVOA_U
ClientSampleId :
A44X6

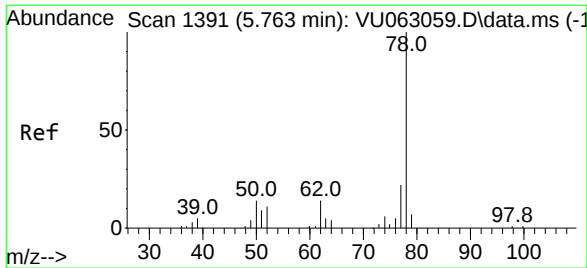
Tgt Ion:	97	Resp:	190888
Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.4	78.6
61	36.9	32.2	48.4



#31
Carbon tetrachloride
Concen: 9.736 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU063061.D
Acq: 28 Jan 2025 12:06

Tgt Ion:	117	Resp:	151992
Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.6	118.0





#33

Benzene

Concen: 16.637 ug/L

RT: 5.759 min Scan# 1390

Delta R.T. 0.000 min

Lab File: VU063061.D

Acq: 28 Jan 2025 12:06

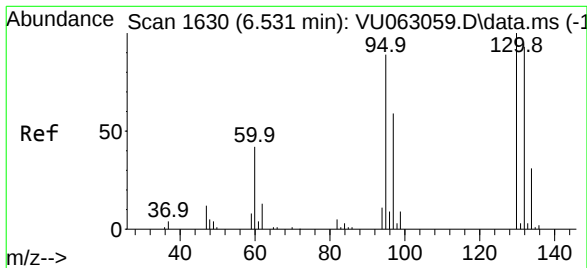
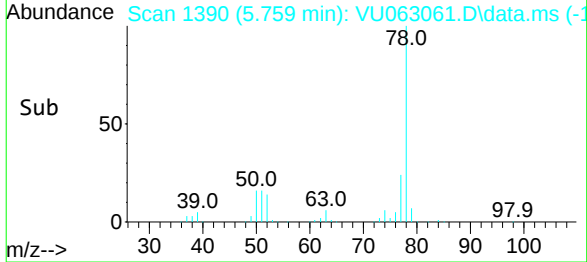
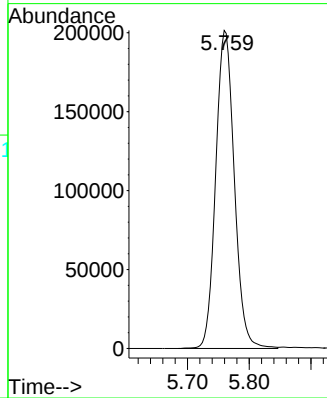
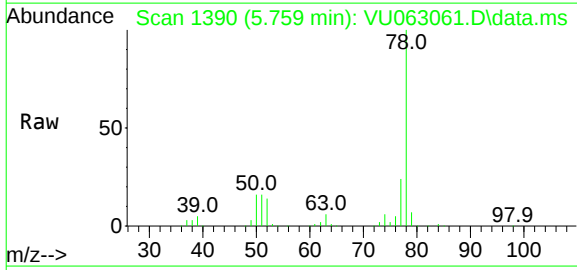
Instrument :

MSVOA_U

ClientSampleId :

A44X6

Tgt Ion: 78 Resp: 421478



#34

Trichloroethene

Concen: 4.493 ug/L

RT: 6.531 min Scan# 1630

Delta R.T. 0.000 min

Lab File: VU063061.D

Acq: 28 Jan 2025 12:06

Tgt Ion: 95 Resp: 38683

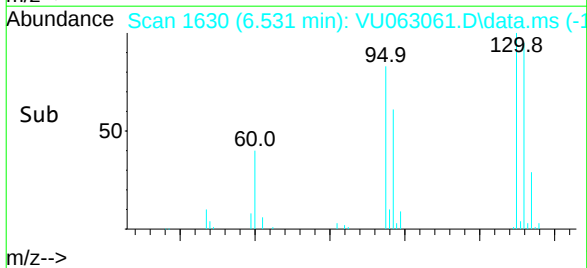
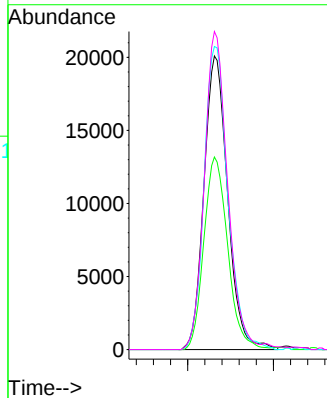
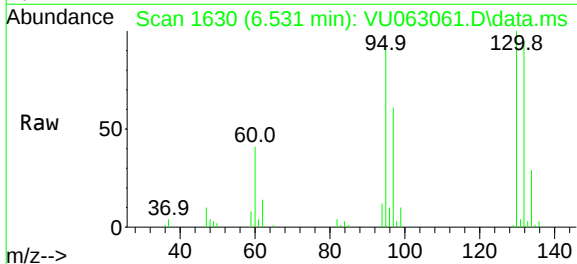
Ion Ratio Lower Upper

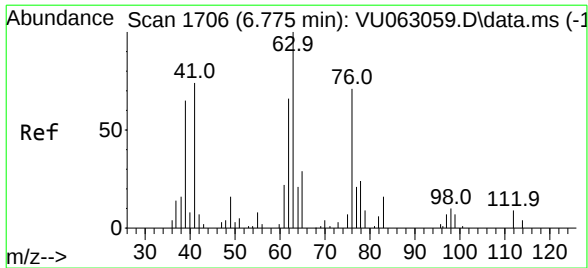
95 100

97 65.6 47.5 88.3

132 103.2 66.9 124.3

130 108.3 68.6 127.4

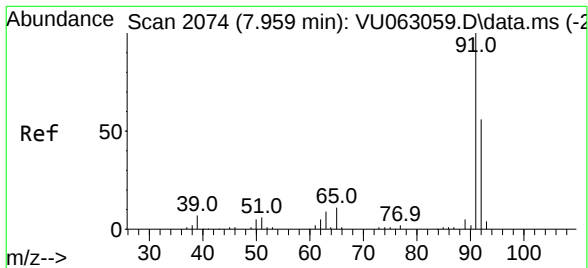
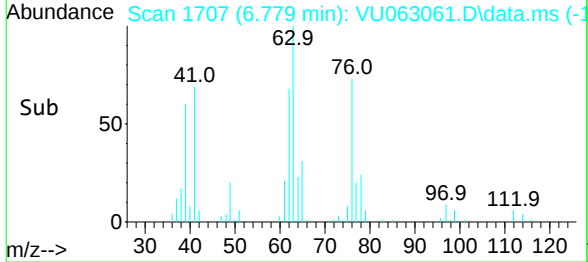
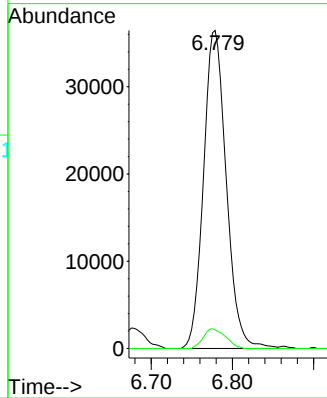
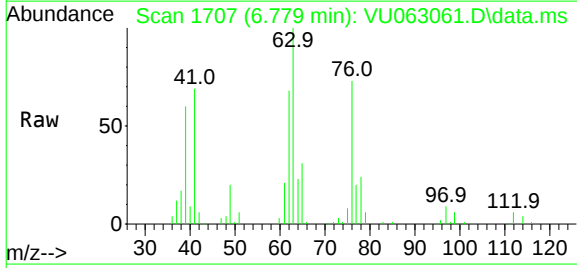




#37
1,2-Dichloropropane
Concen: 12.437 ug/L
RT: 6.779 min Scan# 1706
Delta R.T. 0.000 min
Lab File: VU063061.D
Acq: 28 Jan 2025 12:06

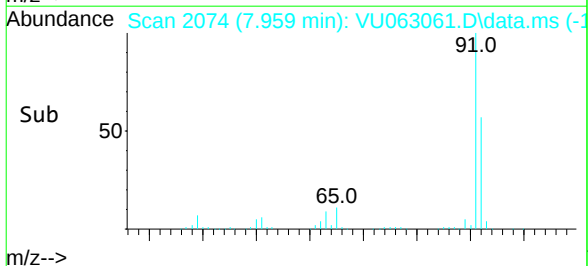
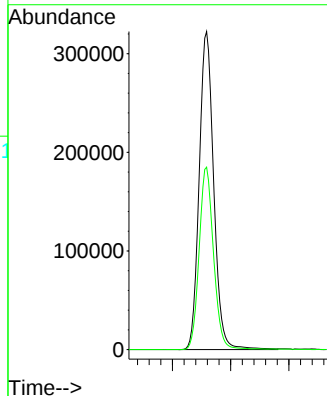
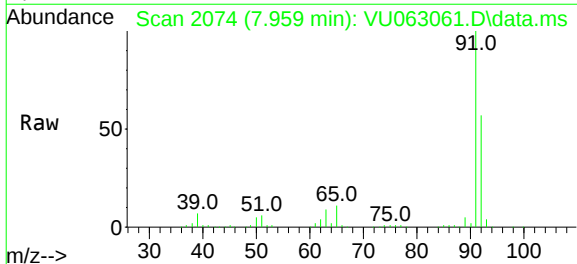
Instrument :
MSVOA_U
ClientSampleId :
A44X6

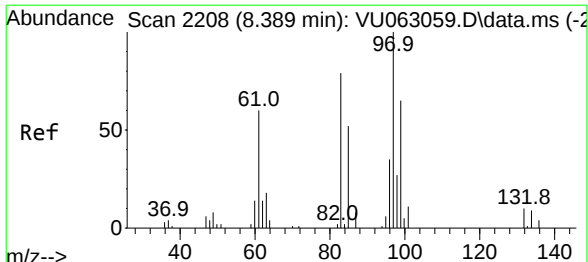
Tgt Ion: 63 Resp: 70862
Ion Ratio Lower Upper
63 100
112 6.1 3.8 5.8#



#42
Toluene
Concen: 18.565 ug/L
RT: 7.959 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VU063061.D
Acq: 28 Jan 2025 12:06

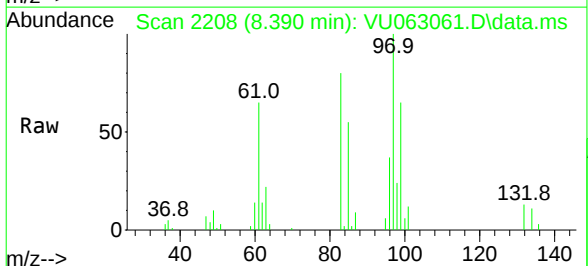
Tgt Ion: 91 Resp: 559042
Ion Ratio Lower Upper
91 100
92 57.4 40.4 75.0



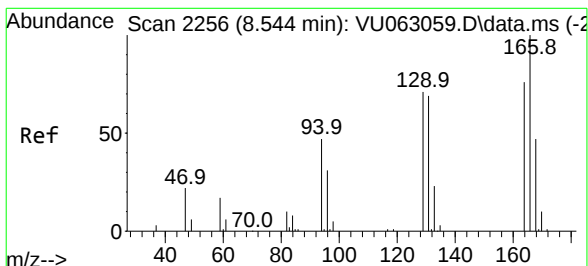
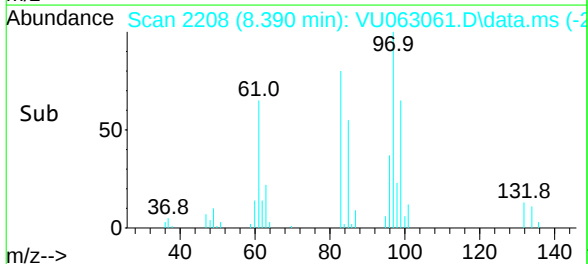
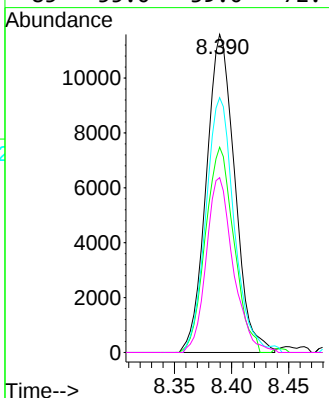


#45
 1,1,2-Trichloroethane
 Concen: 3.748 ug/L
 RT: 8.390 min Scan# 2208
 Delta R.T. 0.003 min
 Lab File: VU063061.D
 Acq: 28 Jan 2025 12:06

Instrument :
 MSVOA_U
 ClientSampleId :
 A44X6

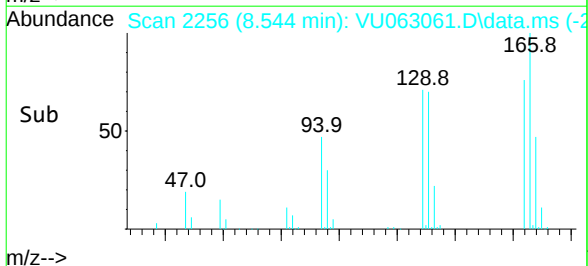
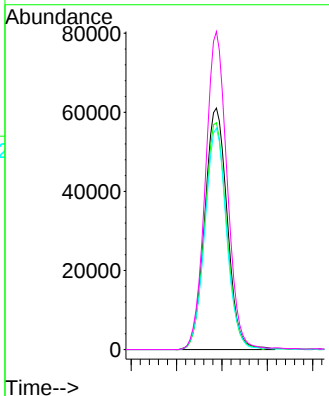
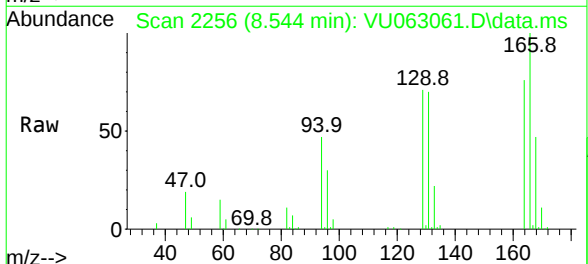


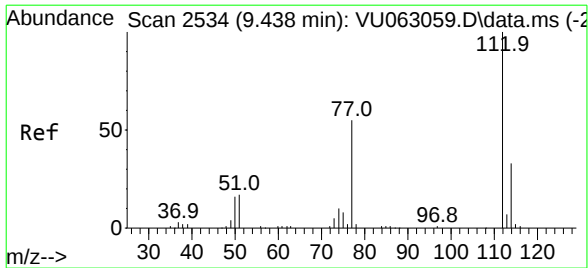
Tgt Ion:	97	Resp:	20099
Ion	Ratio	Lower	Upper
97	100		
99	64.5	45.6	84.6
83	80.1	63.0	117.0
85	55.0	39.0	72.4



#47
 Tetrachloroethene
 Concen: 14.042 ug/L
 RT: 8.544 min Scan# 2256
 Delta R.T. 0.003 min
 Lab File: VU063061.D
 Acq: 28 Jan 2025 12:06

Tgt Ion:	164	Resp:	105137
Ion	Ratio	Lower	Upper
164	100		
129	93.9	71.0	131.9
131	91.6	69.4	129.0
166	131.7	92.7	172.3

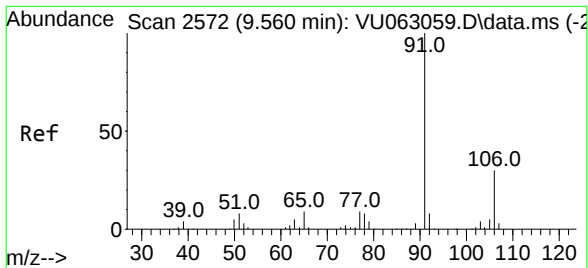
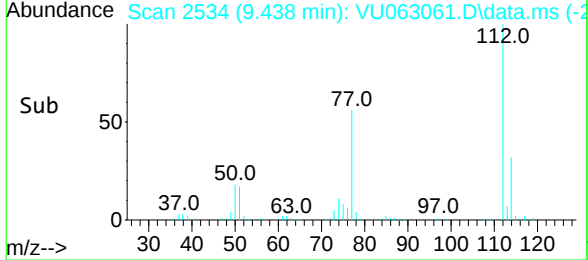
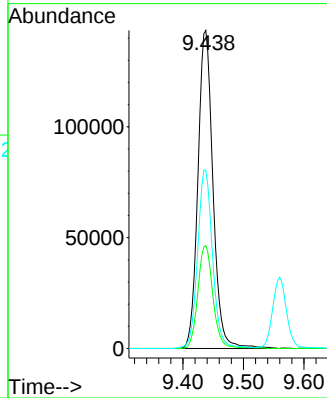
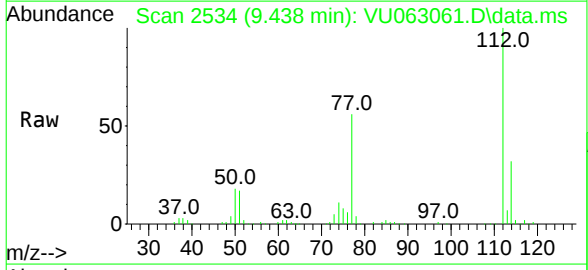




#51
Chlorobenzene
Concen: 11.888 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VU063061.D
Acq: 28 Jan 2025 12:06

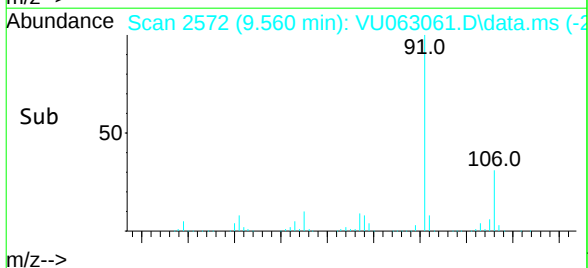
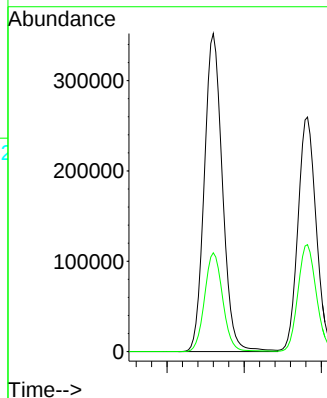
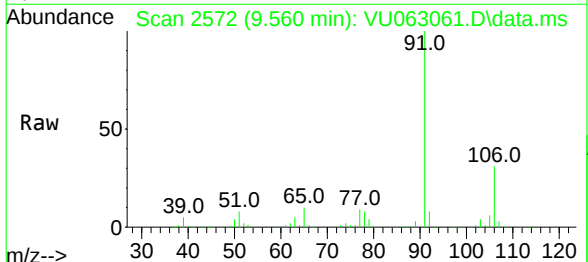
Instrument :
MSVOA_U
ClientSampleId :
A44X6

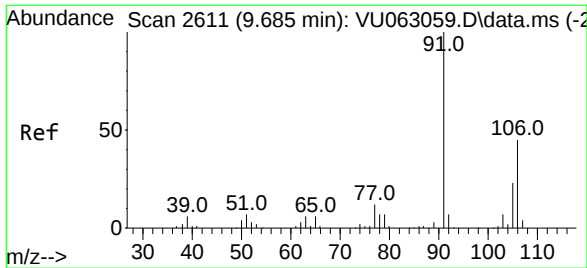
Tgt Ion:	112	Resp:	248218
Ion	Ratio	Lower	Upper
112	100		
114	32.3	21.7	40.3
77	56.1	48.6	73.0



#52
Ethylbenzene
Concen: 16.373 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063061.D
Acq: 28 Jan 2025 12:06

Tgt Ion:	91	Resp:	574593
Ion	Ratio	Lower	Upper
91	100		
106	31.1	21.9	40.7

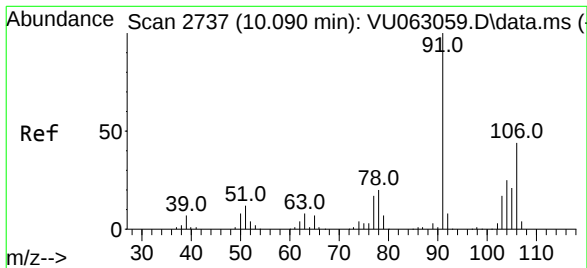
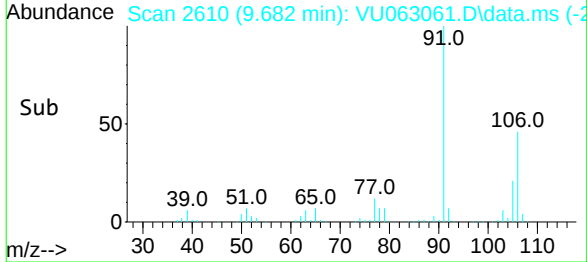
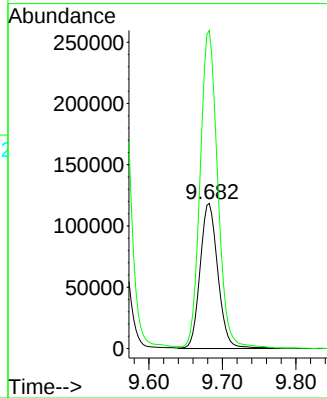
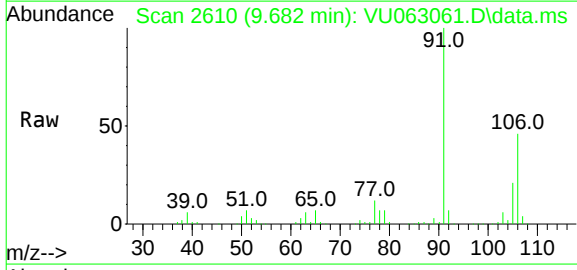




#53
m,p-Xylene
Concen: 14.672 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. 0.000 min
Lab File: VU063061.D
Acq: 28 Jan 2025 12:06

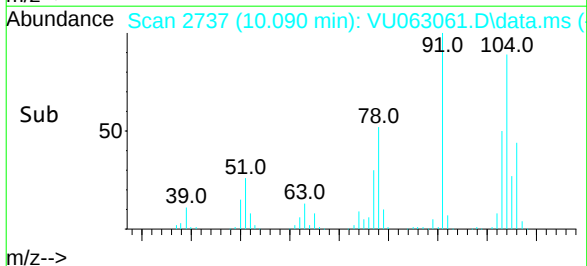
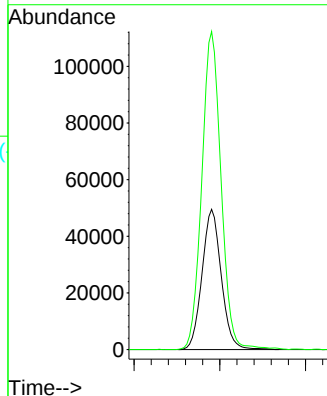
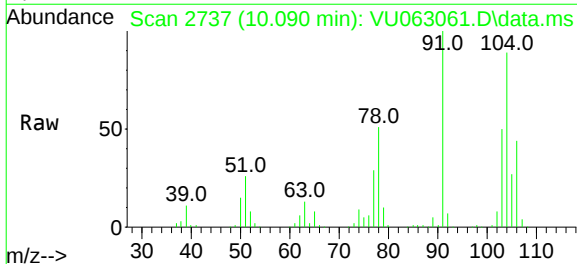
Instrument :
MSVOA_U
ClientSampleId :
A44X6

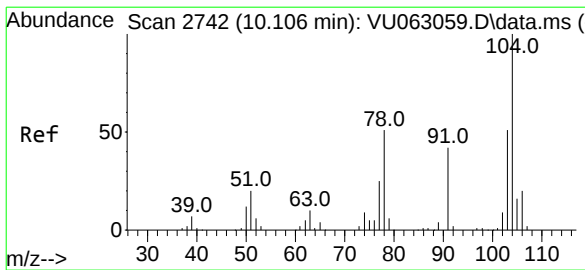
Tgt Ion:106 Resp: 198836
Ion Ratio Lower Upper
106 100
91 219.2 153.1 284.3



#54
o-Xylene
Concen: 6.212 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063061.D
Acq: 28 Jan 2025 12:06

Tgt Ion:106 Resp: 77130
Ion Ratio Lower Upper
106 100
91 226.8 160.4 297.8





#55

Styrene

Concen: 19.227 ug/L

RT: 10.103 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU063061.D

Acq: 28 Jan 2025 12:06

Instrument :

MSVOA_U

ClientSampleId :

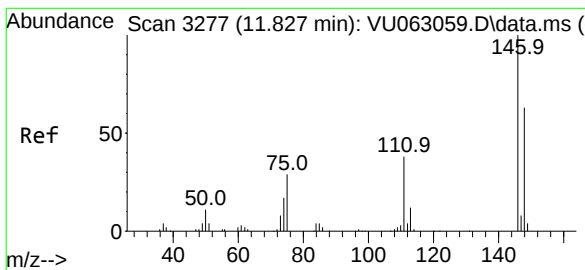
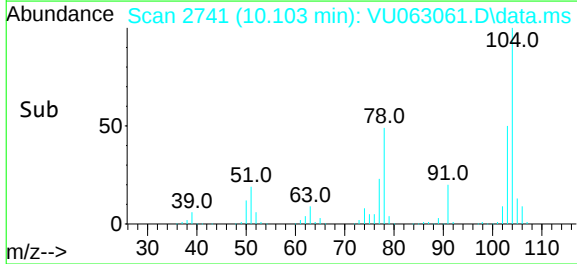
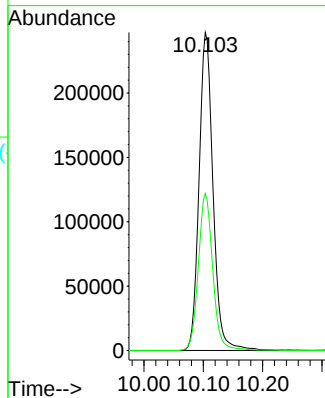
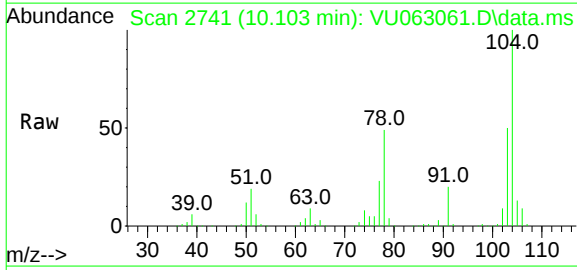
A44X6

Tgt Ion:104 Resp: 403570

Ion Ratio Lower Upper

104 100

78 49.4 35.5 65.9



#65

1,4-Dichlorobenzene

Concen: 14.927 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU063061.D

Acq: 28 Jan 2025 12:06

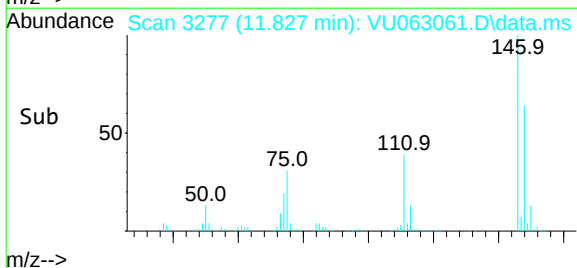
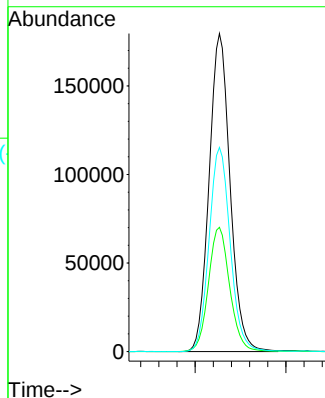
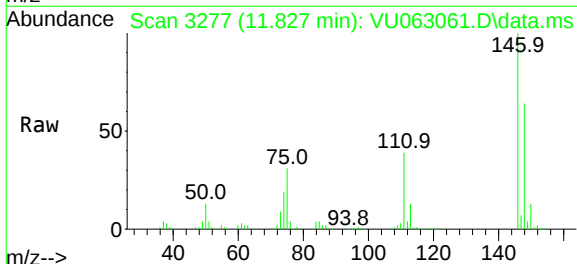
Tgt Ion:146 Resp: 288397

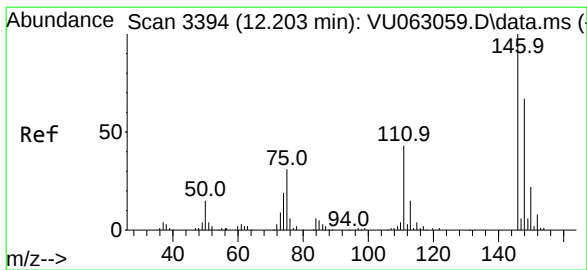
Ion Ratio Lower Upper

146 100

111 39.1 29.5 54.9

148 64.2 45.1 83.9

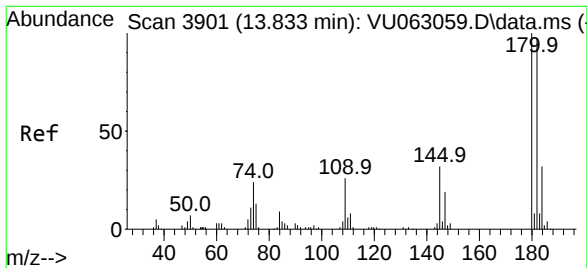
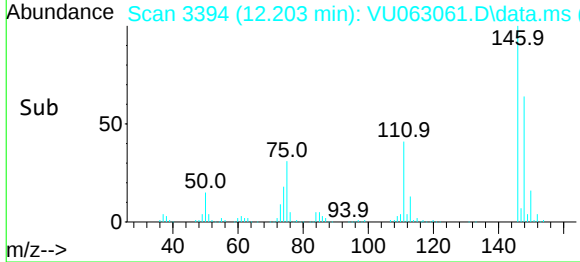
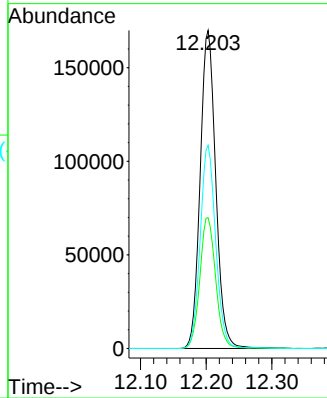
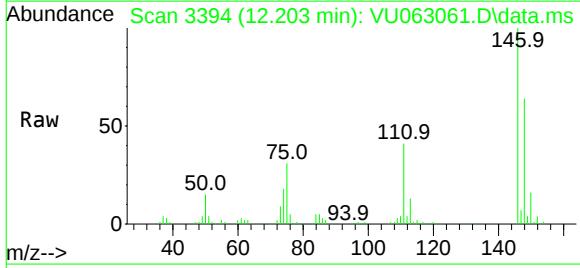




1,2-Dichlorobenzene
 Concen: 15.459 ug/L
 RT: 12.203 min Scan# 3394
 Delta R.T. 0.000 min
 Lab File: VU063061.D
 Acq: 28 Jan 2025 12:06

Instrument :
 MSVOA_U
 ClientSampleId :
 A44X6

Tgt Ion:146 Resp: 280124
 Ion Ratio Lower Upper
 146 100
 111 41.1 36.3 54.5
 148 63.9 52.0 78.0



1,2,4-trichlorobenzene
 Concen: 7.069 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU063061.D
 Acq: 28 Jan 2025 12:06

Tgt Ion:180 Resp: 85121
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.1 115.7
 145 33.1 26.9 40.3

