

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012425\
 Data File : VU062985.D
 Acq On : 24 Jan 2025 11:50
 Operator : MD/SY
 Sample : Q1086-21
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AD4

Quant Time: Jan 24 19:03:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 24 19:02:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	111725	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	79093	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	45147	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	26388	4.265	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.904	69	17832	3.582	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.600%
11) 1,1-Dichloroethene-d2	2.557	65	9244	2.884	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.600%#
20) 2-Butanone-d5	4.618	46	41218	32.592	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	65.180%
24) Chloroform-d	5.049	84	55822	3.667	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.400%
26) 1,2-Dichloroethane-d4	5.689	65	34542	4.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
32) Benzene-d6	5.714	84	114424	5.918	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.400%
36) 1,2-Dichloropropane-d6	6.679	67	36761	6.858	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	137.200%
41) Toluene-d8	7.888	98	86823	4.609	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	8.174	79	14343	5.368	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.400%
46) 2-Hexanone-d5	8.624	63	46577	55.423	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.840%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	22824	5.084	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.183	152	32520	4.330	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%

Target Compounds					Qvalue	
5) Vinyl chloride	1.599	62	248711	30.923	ug/L	98
12) 1,1-Dichloroethene	2.570	96	61229	8.828	ug/L #	85
16) Methylene chloride	3.033	84	26968	3.550	ug/L	99
18) trans-1,2-Dichloroethene	3.341	96	50046	6.735	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	25286	3.125	ug/L	97
27) 1,2-Dichloroethane	5.779	62	188404	17.623	ug/L	96
29) 1,1,1-Trichloroethane	5.303	97	274777	22.903	ug/L	98
31) Carbon tetrachloride	5.512	117	137114	12.436	ug/L	97
33) Benzene	5.759	78	221173	9.733	ug/L	100
34) Trichloroethene	6.531	95	96575	12.441	ug/L	93
37) 1,2-Dichloropropane	6.779	63	84402	15.745	ug/L #	97
42) Toluene	7.959	91	580581	23.316	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	37853	8.694	ug/L	100
47) Tetrachloroethene	8.544	164	70428	13.173	ug/L	97
51) Chlorobenzene	9.434	112	163781	10.058	ug/L	99
52) Ethylbenzene	9.560	91	437849	15.495	ug/L	97
53) m,p-Xylene	9.685	106	241816	22.882	ug/L	100
54) o-Xylene	10.090	106	148274	14.648	ug/L	99
55) Styrene	10.103	104	255167	15.070	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012425\
Data File : VU062985.D
Acq On : 24 Jan 2025 11:50
Operator : MD/SY
Sample : Q1086-21
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AD4

Quant Time: Jan 24 19:03:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jan 24 19:02:27 2025
Response via : Initial Calibration

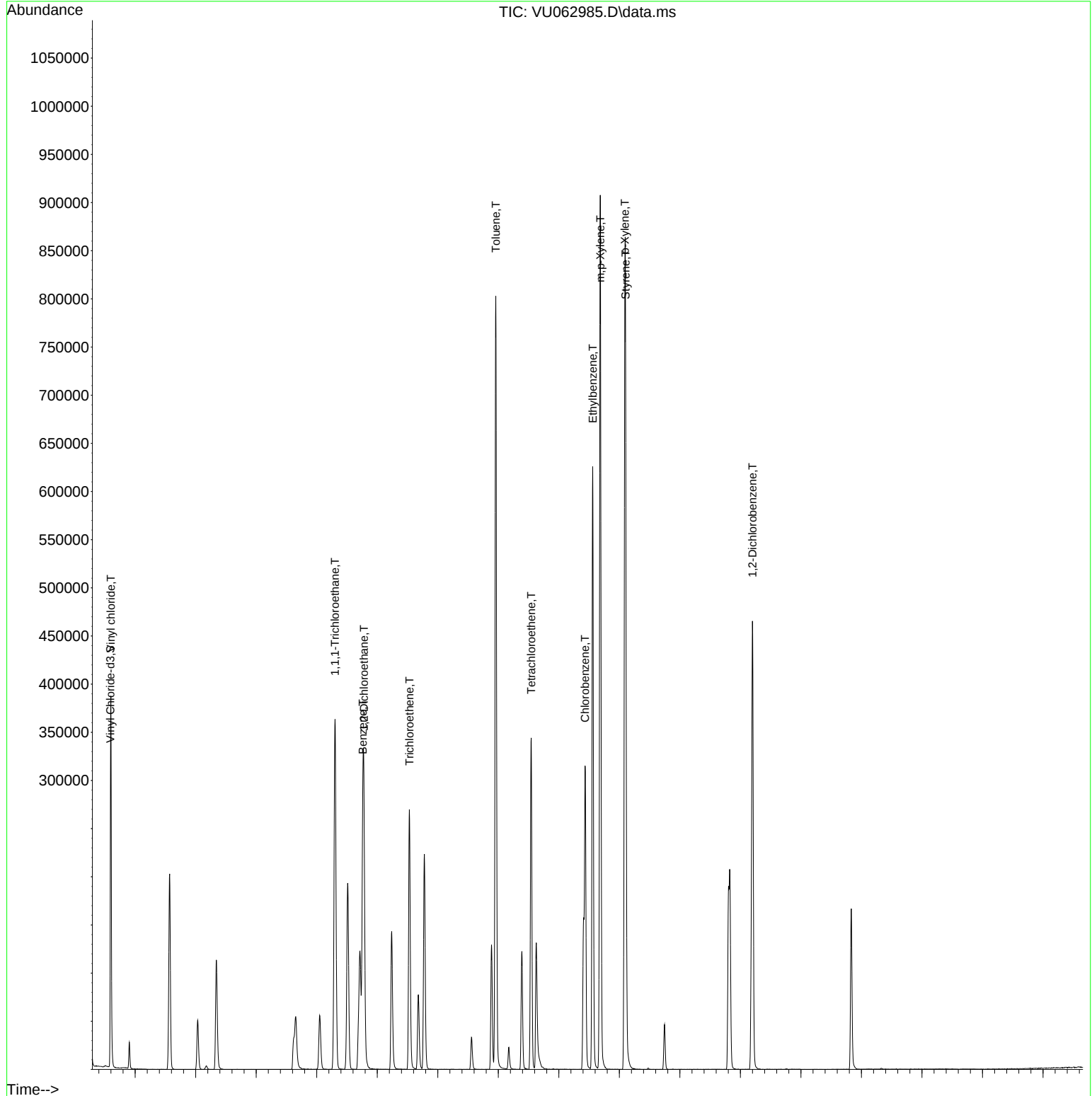
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65)	1,4-Dichlorobenzene	11.827	146	78189	5.376	ug/L	99
67)	1,2-Dichlorobenzene	12.200	146	174958	12.943	ug/L	99
70)	1,2,4-trichlorobenzene	13.833	180	55211	6.311	ug/L	96

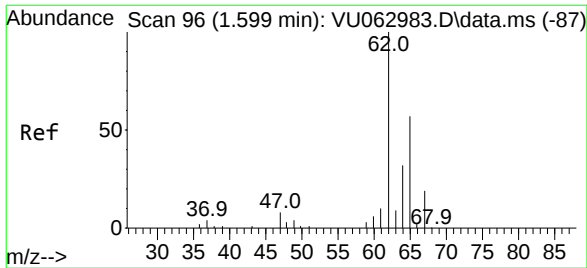
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012425\
Data File : VU062985.D
Acq On : 24 Jan 2025 11:50
Operator : MD/SY
Sample : Q1086-21
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AD4

Quant Time: Jan 24 19:03:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jan 24 19:02:27 2025
Response via : Initial Calibration

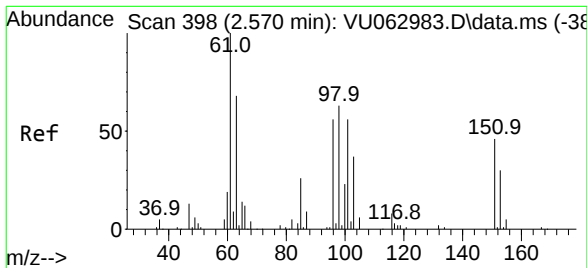
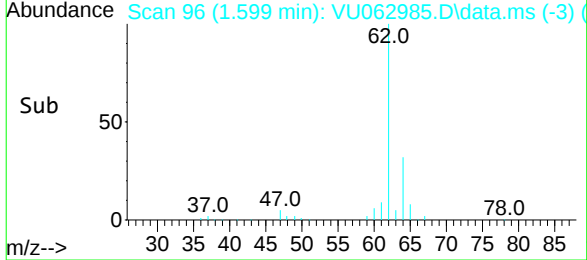
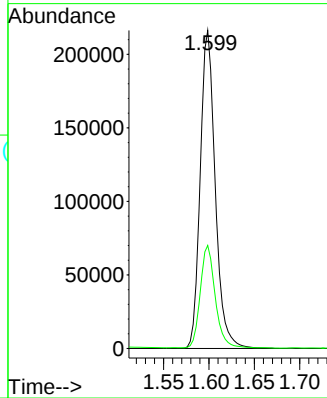
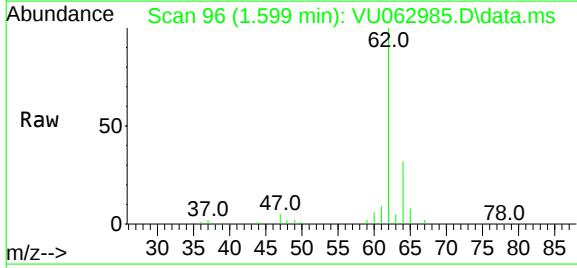




#5
 Vinyl chloride
 Concen: 30.923 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU062985.D
 Acq: 24 Jan 2025 11:50

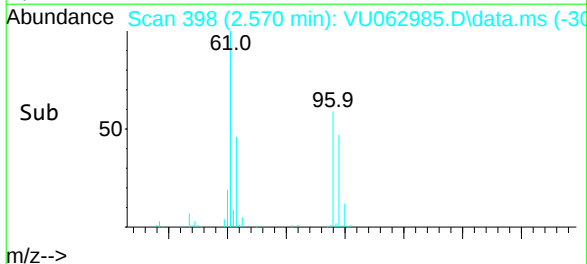
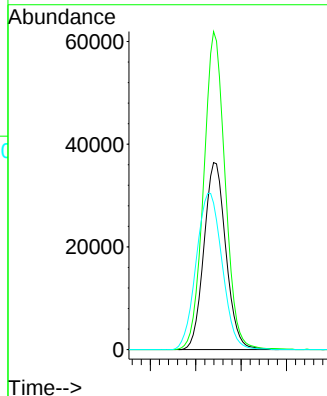
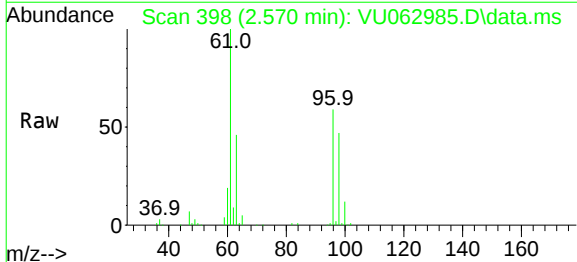
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AD4

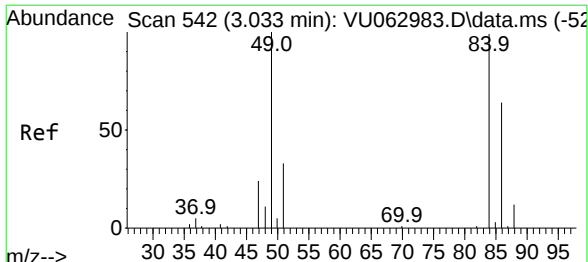
Tgt Ion: 62 Resp: 248711
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.4 43.4



#12
 1,1-Dichloroethene
 Concen: 8.828 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.000 min
 Lab File: VU062985.D
 Acq: 24 Jan 2025 11:50

Tgt Ion: 96 Resp: 61229
 Ion Ratio Lower Upper
 96 100
 61 170.1 120.4 223.6
 63 78.3 82.3 152.9

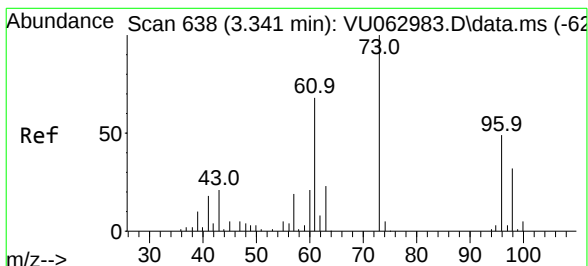
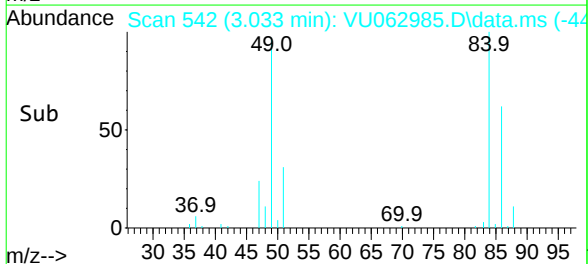
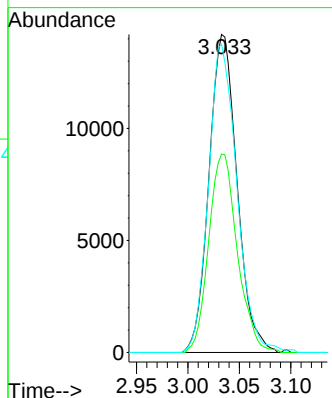
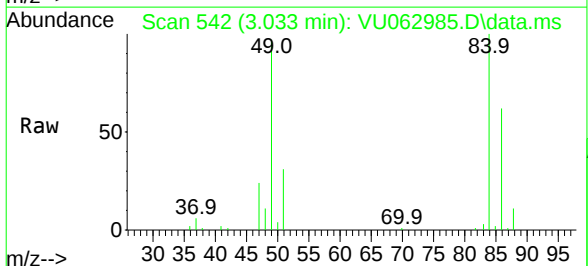




#16
Methylene chloride
Concen: 3.550 ug/L
RT: 3.033 min Scan# 54
Delta R.T. 0.000 min
Lab File: VU062985.D
Acq: 24 Jan 2025 11:50

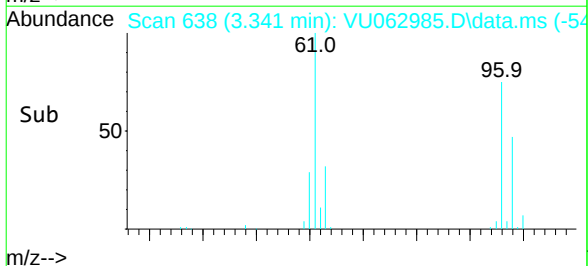
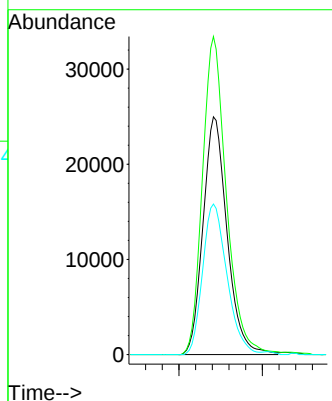
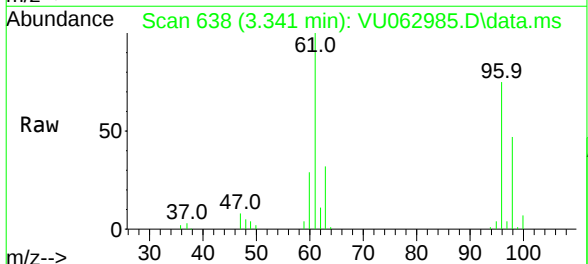
Instrument :
MSVOA_U
ClientSampleId :
C0AD4

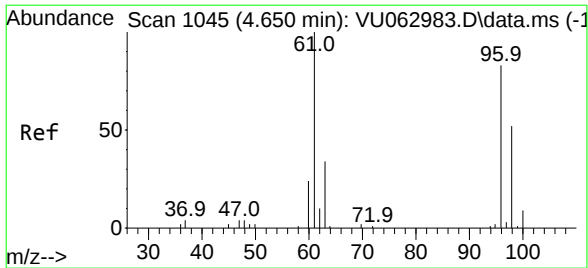
Tgt Ion:	84	Resp:	26968
Ion	Ratio	Lower	Upper
84	100		
86	62.4	44.7	83.1
49	96.9	68.3	126.9



#18
trans-1,2-Dichloroethene
Concen: 6.735 ug/L
RT: 3.341 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU062985.D
Acq: 24 Jan 2025 11:50

Tgt Ion:	96	Resp:	50046
Ion	Ratio	Lower	Upper
96	100		
61	133.8	94.4	175.2
98	63.3	42.8	79.4

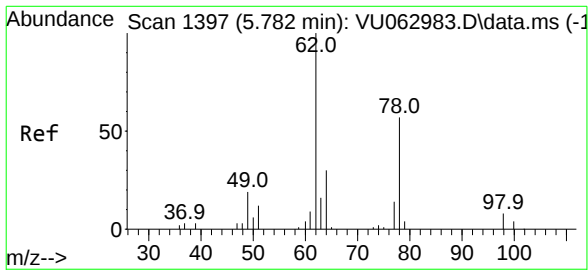
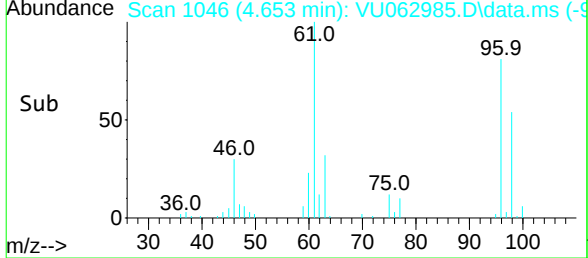
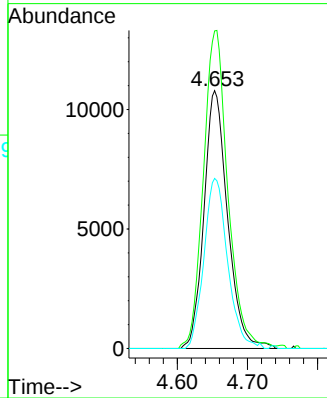
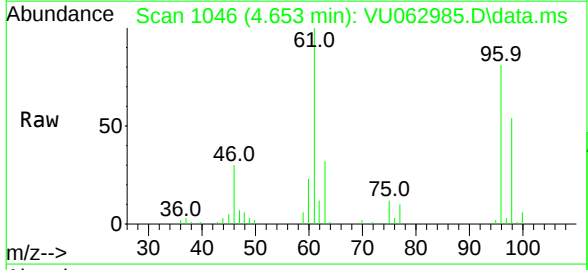




#22
 cis-1,2-Dichloroethene
 Concen: 3.125 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. 0.003 min
 Lab File: VU062985.D
 Acq: 24 Jan 2025 11:50

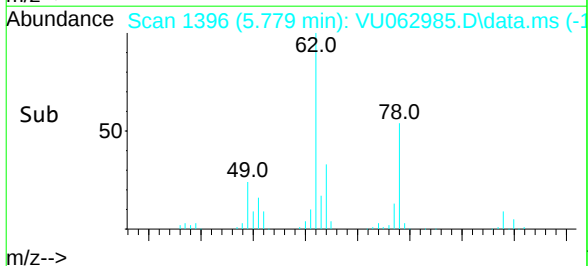
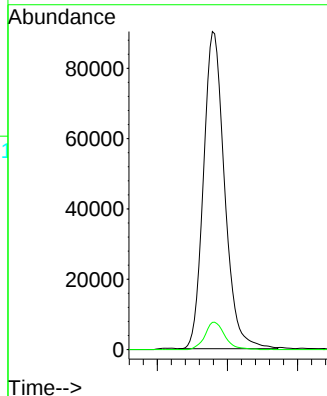
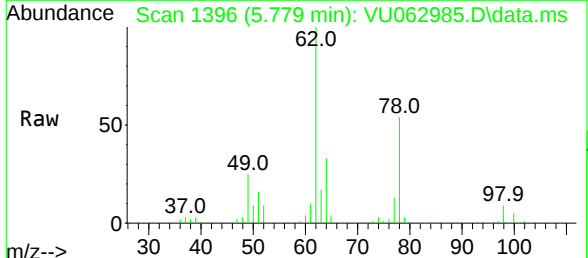
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AD4

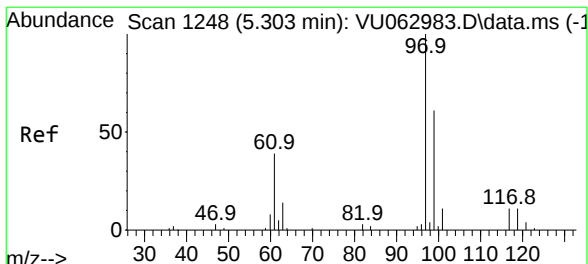
Tgt Ion:	96	Resp:	25286
Ion	Ratio	Lower	Upper
96	100		
61	123.2	84.8	157.6
98	66.0	43.1	80.1



#27
 1,2-Dichloroethane
 Concen: 17.623 ug/L
 RT: 5.779 min Scan# 1396
 Delta R.T. -0.003 min
 Lab File: VU062985.D
 Acq: 24 Jan 2025 11:50

Tgt Ion:	62	Resp:	188404
Ion	Ratio	Lower	Upper
62	100		
98	8.6	5.8	8.6



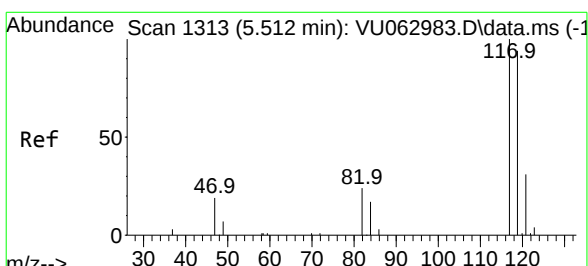
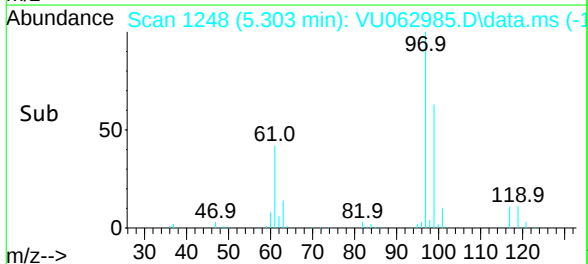
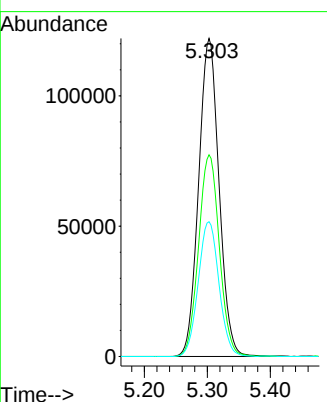
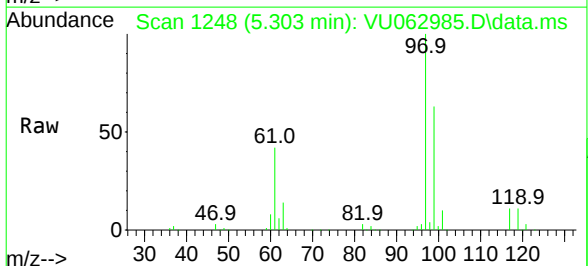


#29
 1,1,1-Trichloroethane
 Concen: 22.903 ug/L
 RT: 5.303 min Scan# 1248
 Delta R.T. 0.000 min
 Lab File: VU062985.D
 Acq: 24 Jan 2025 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AD4

Tgt Ion: 97 Resp: 274777

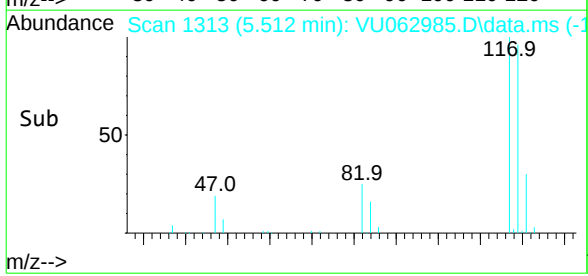
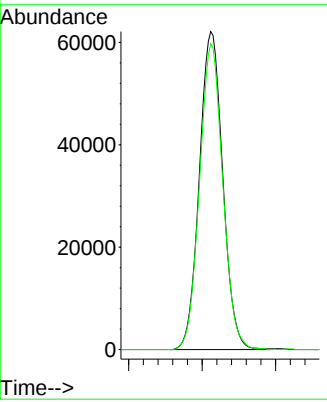
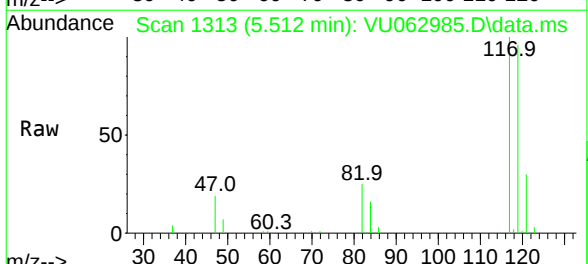
Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.4	78.6
61	43.2	32.2	48.4

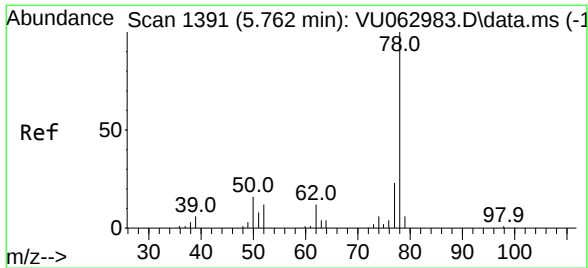


#31
 Carbon tetrachloride
 Concen: 12.436 ug/L
 RT: 5.512 min Scan# 1313
 Delta R.T. 0.000 min
 Lab File: VU062985.D
 Acq: 24 Jan 2025 11:50

Tgt Ion: 117 Resp: 137114

Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.6	118.0

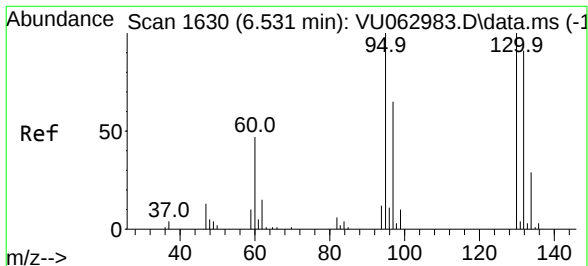
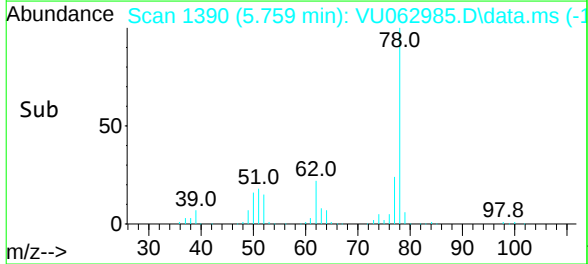
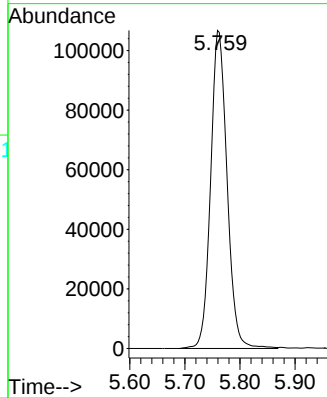
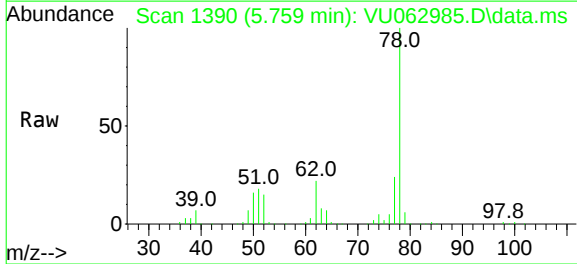




#33
Benzene
Concen: 9.733 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU062985.D
Acq: 24 Jan 2025 11:50

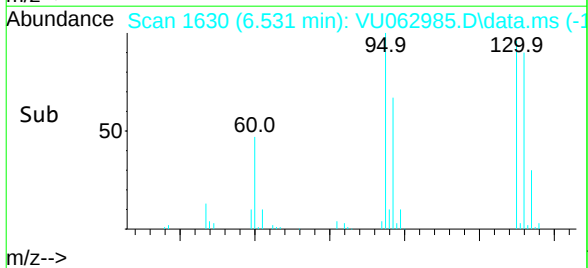
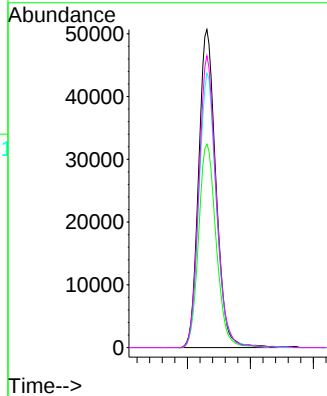
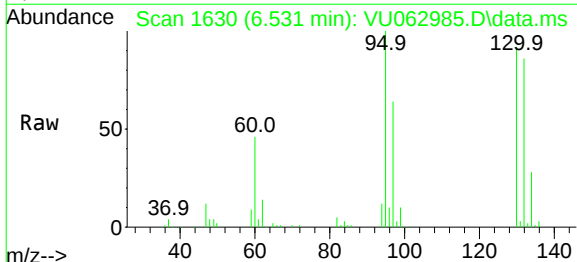
Instrument : MSVOA_U
ClientSampleId : C0AD4

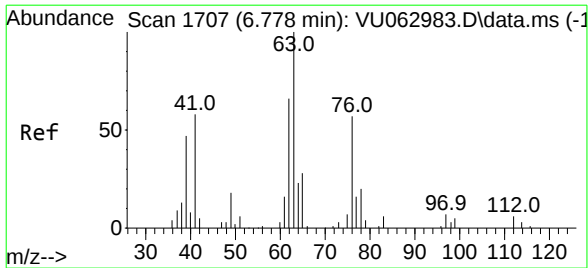
Tgt Ion: 78 Resp: 221173



#34
Trichloroethene
Concen: 12.441 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU062985.D
Acq: 24 Jan 2025 11:50

Tgt Ion: 95 Resp: 96575
Ion Ratio Lower Upper
95 100
97 64.0 47.5 88.3
132 86.3 66.9 124.3
130 91.7 68.6 127.4

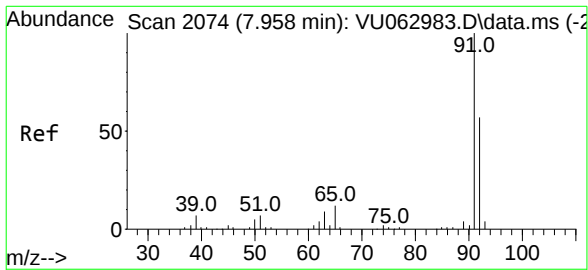
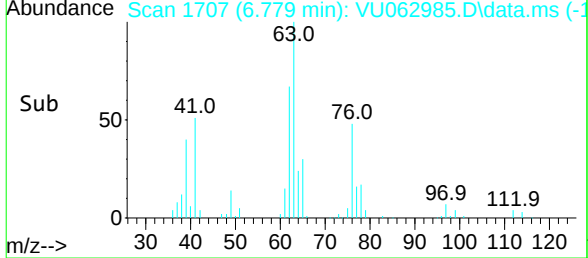
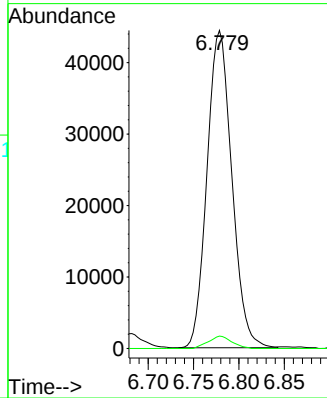
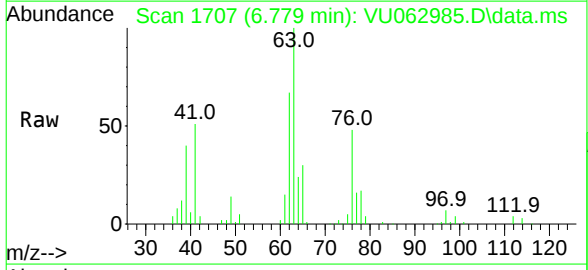




#37
 1,2-Dichloropropane
 Concen: 15.745 ug/L
 RT: 6.779 min Scan# 1707
 Delta R.T. 0.000 min
 Lab File: VU062985.D
 Acq: 24 Jan 2025 11:50

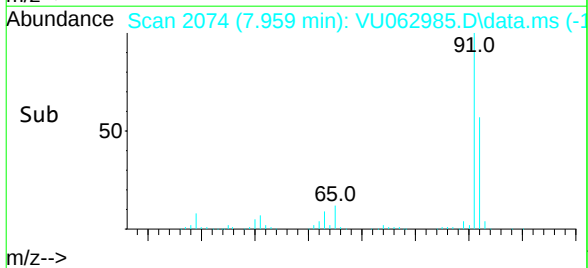
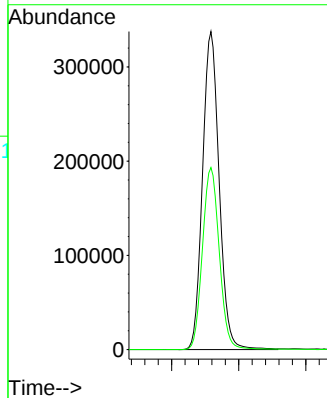
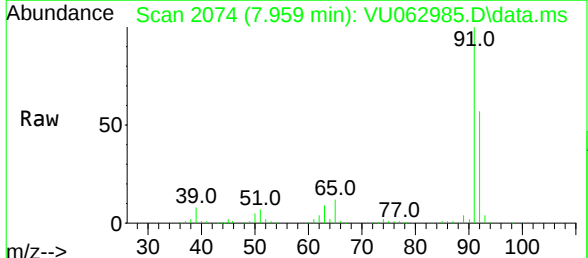
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AD4

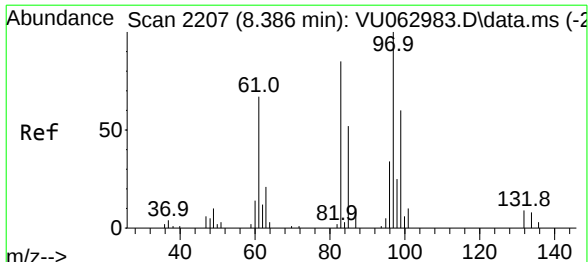
Tgt Ion: 63 Resp: 84402
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.8 5.8#



#42
 Toluene
 Concen: 23.316 ug/L
 RT: 7.959 min Scan# 2074
 Delta R.T. 0.000 min
 Lab File: VU062985.D
 Acq: 24 Jan 2025 11:50

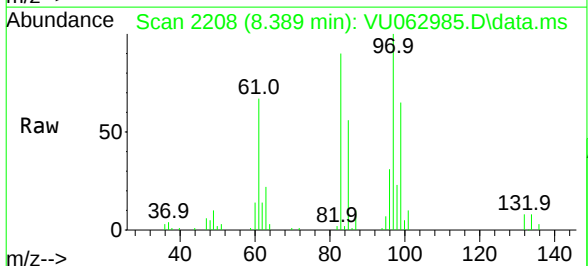
Tgt Ion: 91 Resp: 580581
 Ion Ratio Lower Upper
 91 100
 92 57.2 40.4 75.0



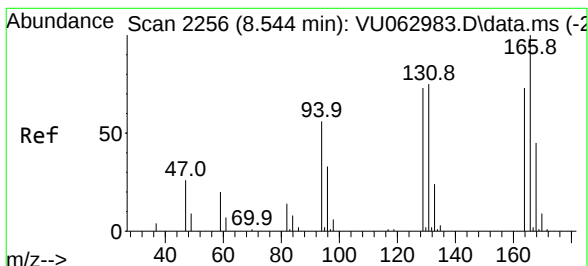
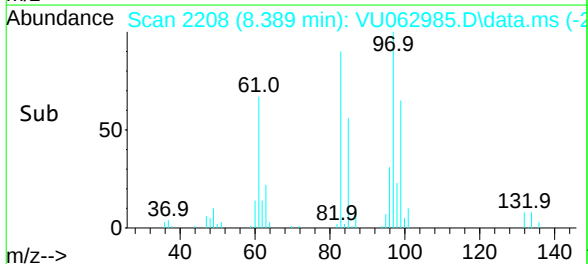
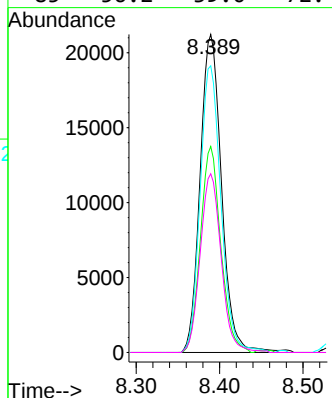


#45
1,1,2-Trichloroethane
Concen: 8.694 ug/L
RT: 8.389 min Scan# 2207
Delta R.T. 0.003 min
Lab File: VU062985.D
Acq: 24 Jan 2025 11:50

Instrument :
MSVOA_U
ClientSampleId :
C0AD4

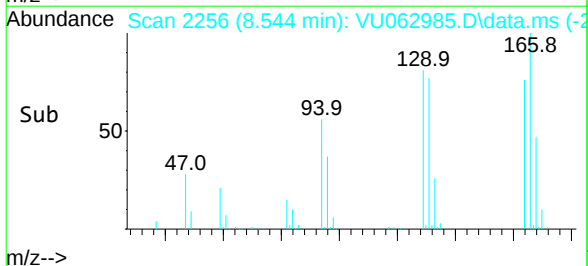
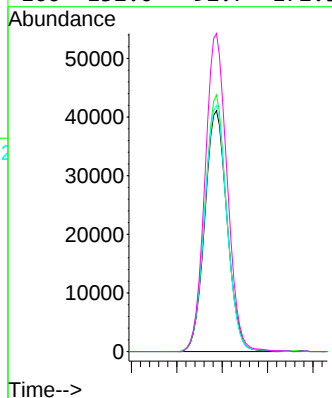
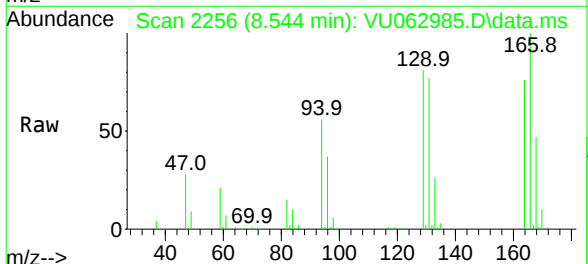


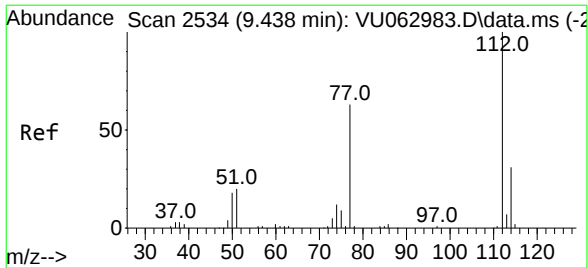
Tgt Ion:	97	Resp:	37853
Ion	Ratio	Lower	Upper
97	100		
99	64.8	45.6	84.6
83	90.1	63.0	117.0
85	56.2	39.0	72.4



#47
Tetrachloroethene
Concen: 13.173 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU062985.D
Acq: 24 Jan 2025 11:50

Tgt Ion:	164	Resp:	70428
Ion	Ratio	Lower	Upper
164	100		
129	106.5	71.0	131.9
131	102.2	69.4	129.0
166	132.0	92.7	172.3

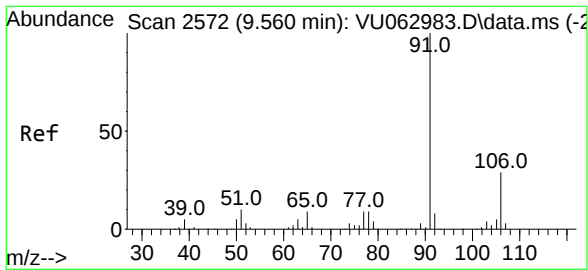
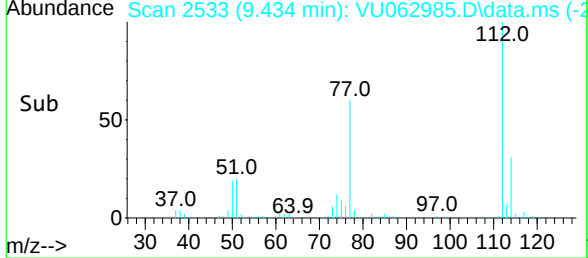
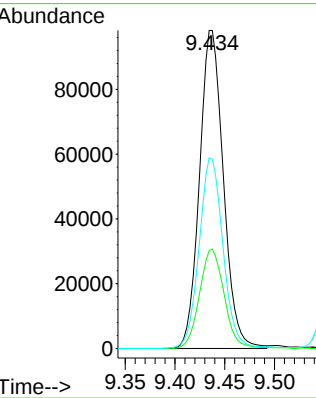
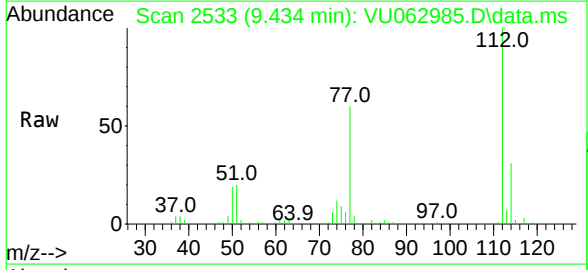




#51
Chlorobenzene
Concen: 10.058 ug/L
RT: 9.434 min Scan# 2534
Delta R.T. -0.003 min
Lab File: VU062985.D
Acq: 24 Jan 2025 11:50

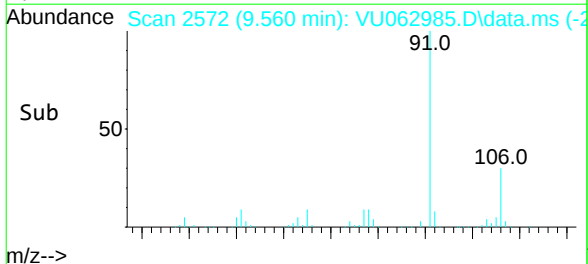
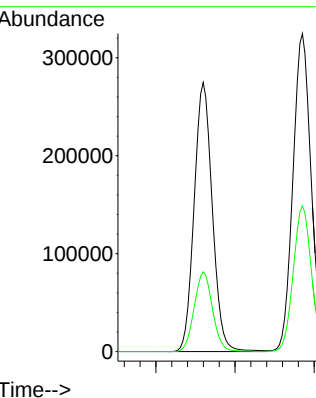
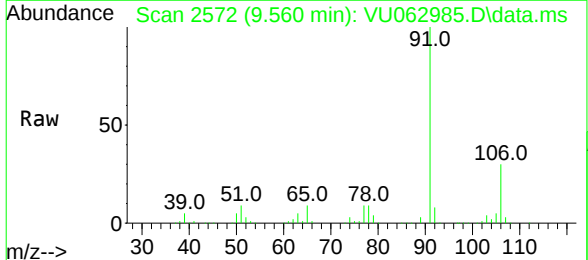
Instrument :
MSVOA_U
ClientSampleId :
C0AD4

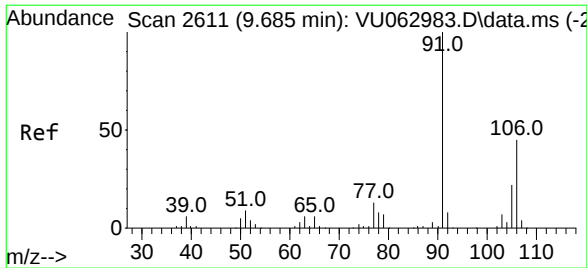
Tgt Ion:	112	Resp:	163781
Ion	Ratio	Lower	Upper
112	100		
114	30.8	21.7	40.3
77	59.9	48.6	73.0



#52
Ethylbenzene
Concen: 15.495 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU062985.D
Acq: 24 Jan 2025 11:50

Tgt Ion:	91	Resp:	437849
Ion	Ratio	Lower	Upper
91	100		
106	29.7	21.9	40.7





#53

m,p-Xylene

Concen: 22.882 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU062985.D

Acq: 24 Jan 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

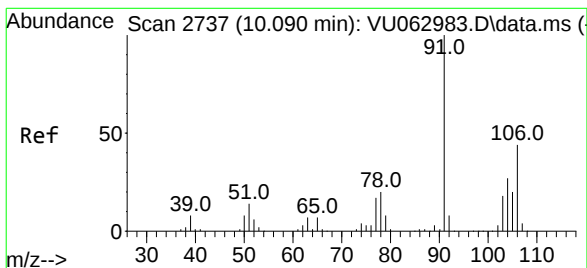
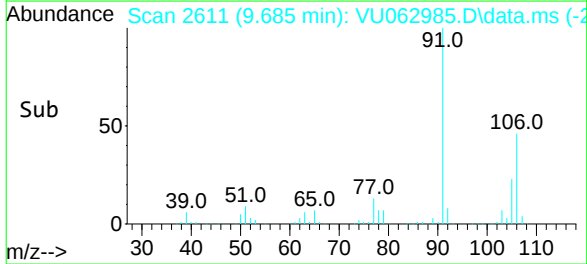
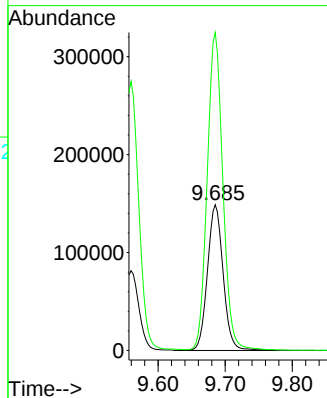
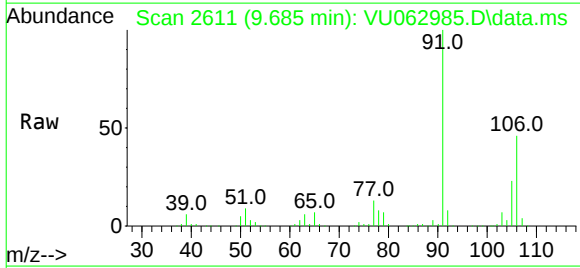
C0AD4

Tgt Ion:106 Resp: 241816

Ion Ratio Lower Upper

106 100

91 218.2 153.1 284.3



#54

o-Xylene

Concen: 14.648 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU062985.D

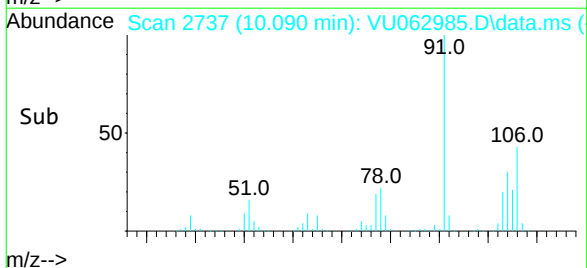
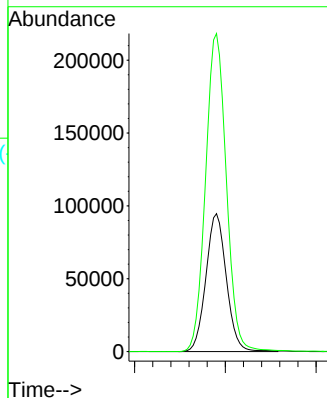
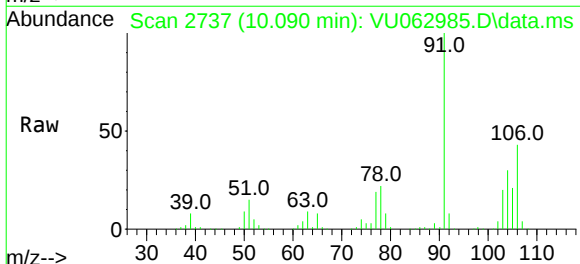
Acq: 24 Jan 2025 11:50

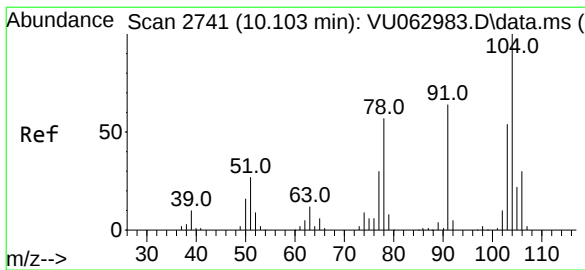
Tgt Ion:106 Resp: 148274

Ion Ratio Lower Upper

106 100

91 230.6 160.4 297.8





#55

Styrene

Concen: 15.070 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. 0.000 min

Lab File: VU062985.D

Acq: 24 Jan 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

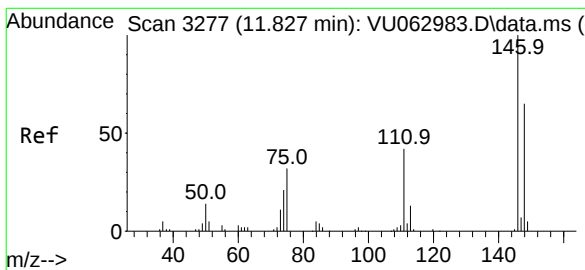
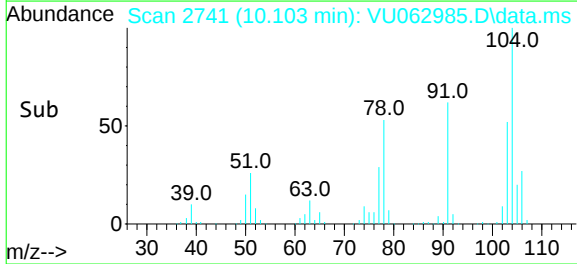
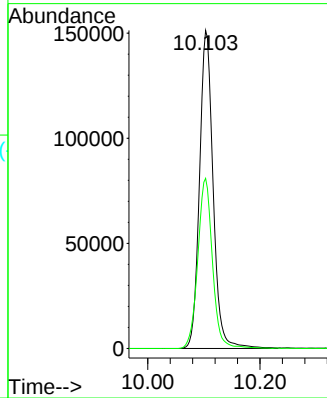
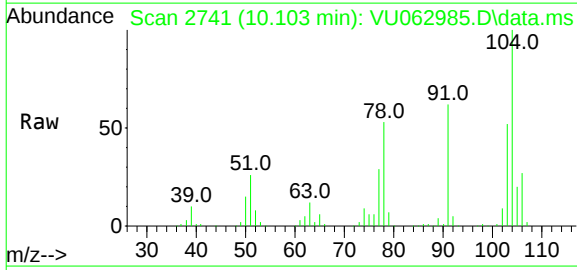
C0AD4

Tgt Ion:104 Resp: 255167

Ion Ratio Lower Upper

104 100

78 53.5 35.5 65.9



#65

1,4-Dichlorobenzene

Concen: 5.376 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU062985.D

Acq: 24 Jan 2025 11:50

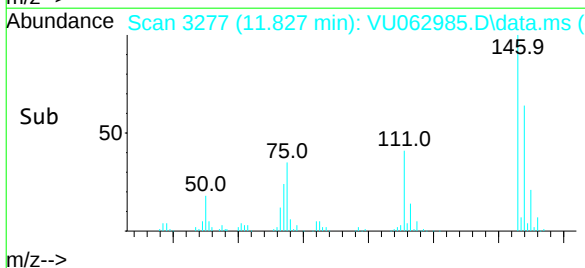
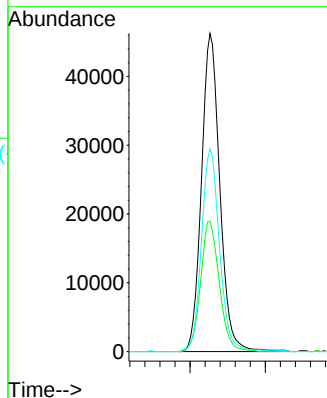
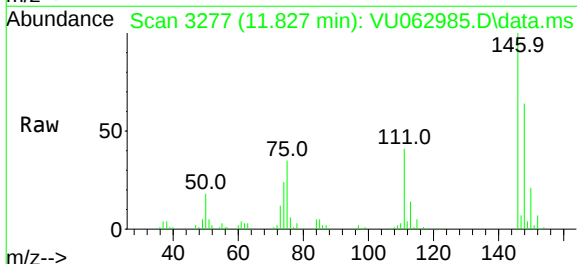
Tgt Ion:146 Resp: 78189

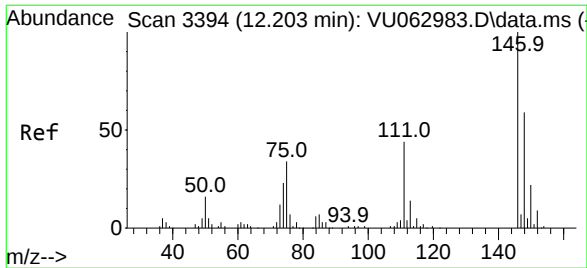
Ion Ratio Lower Upper

146 100

111 41.0 29.5 54.9

148 63.6 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 12.943 ug/L

RT: 12.200 min Scan# 3394

Delta R.T. -0.003 min

Lab File: VU062985.D

Acq: 24 Jan 2025 11:50

Instrument :

MSVOA_U

ClientSampleId :

C0AD4

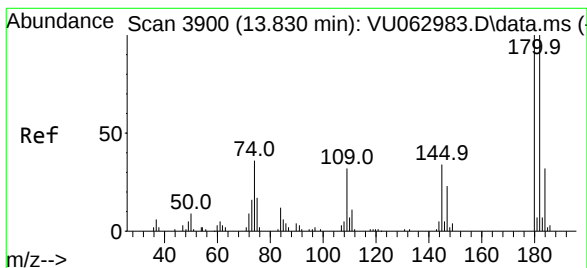
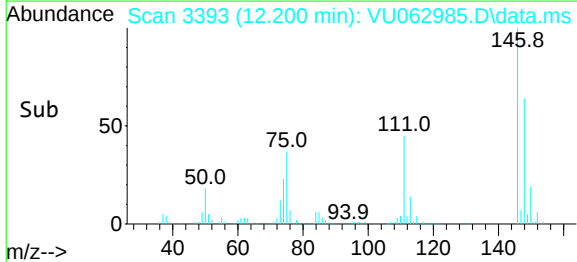
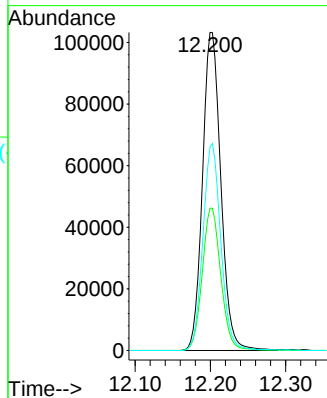
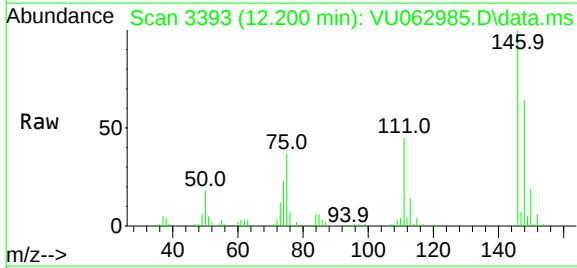
Tgt Ion:146 Resp: 174958

Ion Ratio Lower Upper

146 100

111 44.7 36.3 54.5

148 64.0 52.0 78.0



#70

1,2,4-trichlorobenzene

Concen: 6.311 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.003 min

Lab File: VU062985.D

Acq: 24 Jan 2025 11:50

Tgt Ion:180 Resp: 55211

Ion Ratio Lower Upper

180 100

182 92.3 77.1 115.7

145 32.1 26.9 40.3

