

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
 Data File : VU061807.D
 Acq On : 18 Nov 2024 12:47
 Operator : MD/SY
 Sample : P4847-02DL 2X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A0AT1DL

Quant Time: Nov 19 00:17:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 19 00:15:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	165062	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	156025	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	71991	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	57969	5.436	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 108.800%	
7) Chloroethane-d5	1.904	69	49722	5.461	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 109.200%	
11) 1,1-Dichloroethene-d2	2.560	65	25223	5.271	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 105.400%	
20) 2-Butanone-d5	4.618	46	118006	52.131	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 104.260%	
24) Chloroform-d	5.052	84	118856	5.607	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 112.200%	
26) 1,2-Dichloroethane-d4	5.692	65	59012	5.801	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 116.000%	
32) Benzene-d6	5.717	84	243069	5.631	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 112.600%	
36) 1,2-Dichloropropane-d6	6.682	67	75187	5.906	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 118.200%	
41) Toluene-d8	7.891	98	218871	5.440	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 108.800%	
43) trans-1,3-Dichloroprop...	8.174	79	24991	5.329	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 106.600%	
46) 2-Hexanone-d5	8.627	63	89477	48.287	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 96.580%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	56898	5.669	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 113.400%	
66) 1,2-Dichlorobenzene-d4	12.187	152	75487	5.887	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 117.800%	

Target Compounds				Qvalue		
5) Vinyl chloride	1.599	62	55835	4.546	ug/L	97
12) 1,1-Dichloroethene	2.573	96	65413	6.565	ug/L	92
16) Methylene chloride	3.036	84	124678	10.857	ug/L	97
18) trans-1,2-Dichloroethene	3.345	96	82407	7.540	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	35332	2.866	ug/L	98
27) 1,2-Dichloroethane	5.788	62	18375	1.394	ug/L	100
29) 1,1,1-Trichloroethane	5.306	97	110764	6.239	ug/L	99
31) Carbon tetrachloride	5.515	117	79233	5.239	ug/L	99
33) Benzene	5.762	78	425187	9.004	ug/L	100
34) Trichloroethene	6.534	95	29807	2.338	ug/L	94
37) 1,2-Dichloropropane	6.782	63	87008	7.263	ug/L	99
42) Toluene	7.962	91	483937	9.518	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	17384	1.991	ug/L	99
47) Tetrachloroethene	8.547	164	63422	6.619	ug/L	98
51) Chlorobenzene	9.441	112	195406	5.971	ug/L	99
52) Ethylbenzene	9.563	91	447265	8.258	ug/L	100
53) m,p-Xylene	9.685	106	153727	7.418	ug/L	100
54) o-Xylene	10.093	106	59340	2.946	ug/L	99
55) Styrene	10.106	104	296675	9.251	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061807.D
Acq On : 18 Nov 2024 12:47
Operator : MD/SY
Sample : P4847-02DL 2X
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A0AT1DL

Quant Time: Nov 19 00:17:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 19 00:15:47 2024
Response via : Initial Calibration

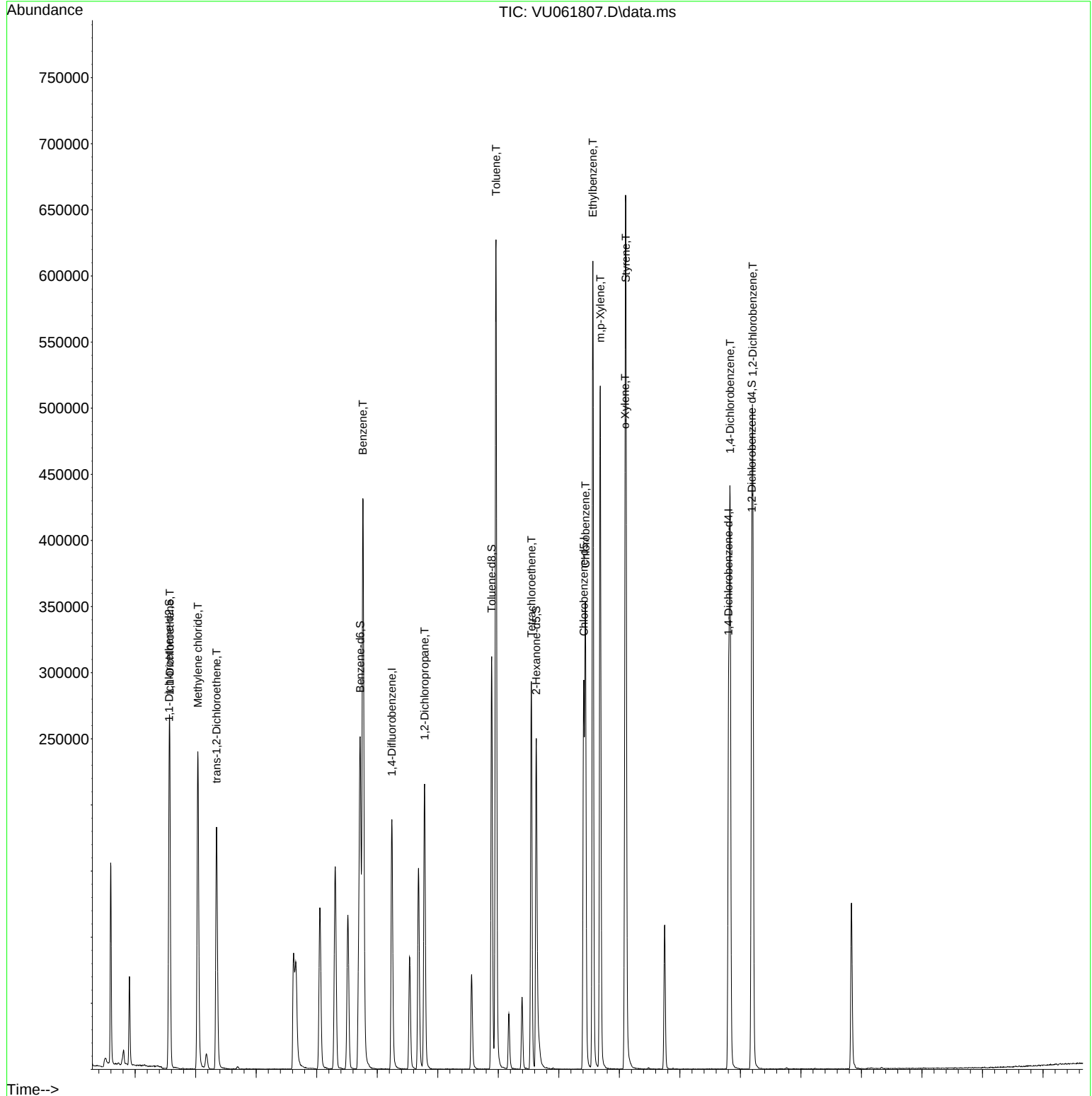
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.830	146	173244	7.452	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	173781	8.161	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	43396	3.503	ug/L	97

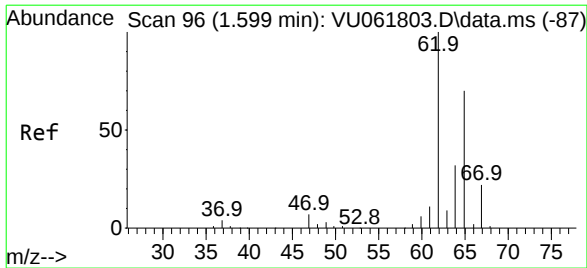
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
Data File : VU061807.D
Acq On : 18 Nov 2024 12:47
Operator : MD/SY
Sample : P4847-02DL 2X
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A0AT1DL

Quant Time: Nov 19 00:17:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 19 00:15:47 2024
Response via : Initial Calibration

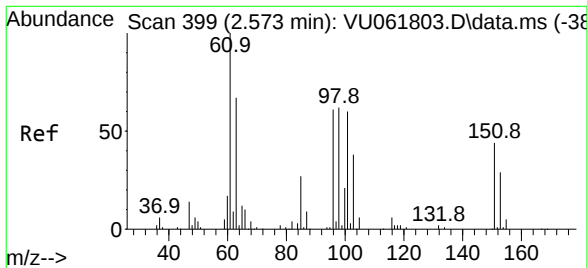
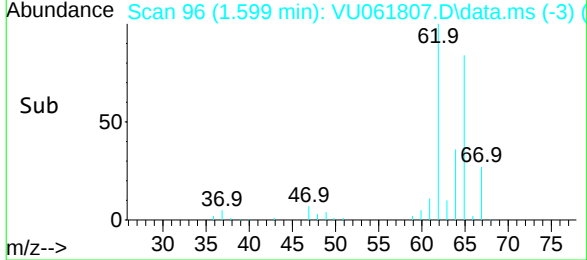
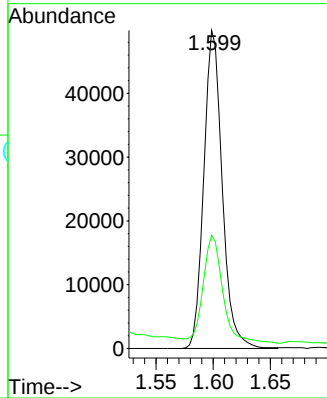
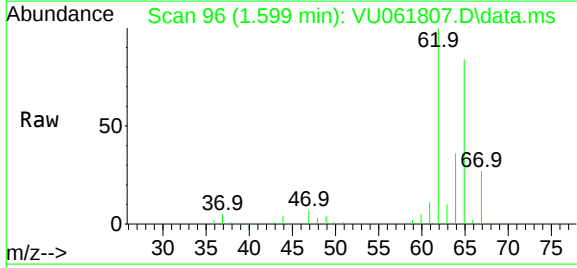




#5
 Vinyl chloride
 Concen: 4.546 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU061807.D
 Acq: 18 Nov 2024 12:47

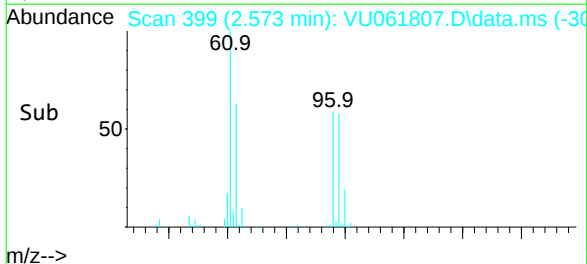
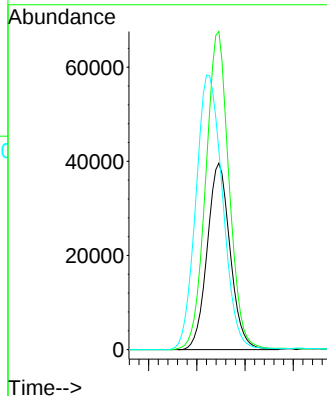
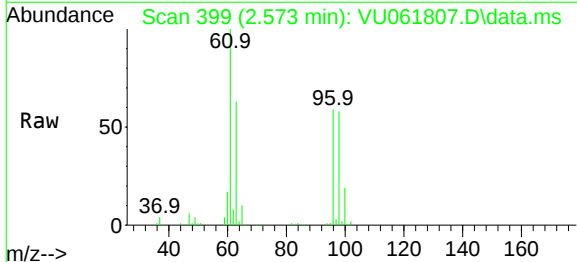
Instrument :
 MSVOA_U
 ClientSampleId :
 A0AT1DL

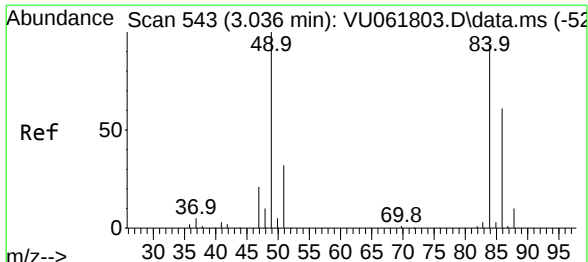
Tgt Ion: 62 Resp: 55835
 Ion Ratio Lower Upper
 62 100
 64 35.6 23.7 44.1



#12
 1,1-Dichloroethene
 Concen: 6.565 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU061807.D
 Acq: 18 Nov 2024 12:47

Tgt Ion: 96 Resp: 65413
 Ion Ratio Lower Upper
 96 100
 61 170.6 116.8 217.0
 63 106.9 86.1 159.9

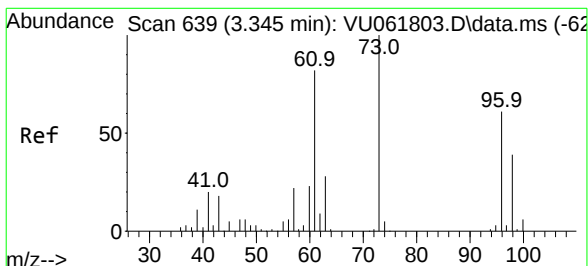
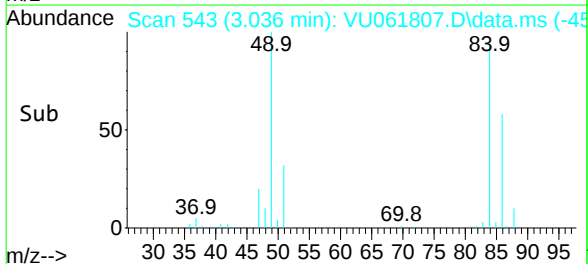
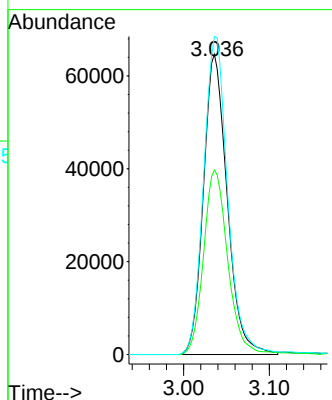
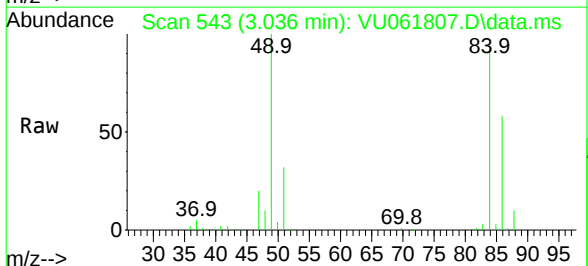




#16
Methylene chloride
Concen: 10.857 ug/L
RT: 3.036 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU061807.D
Acq: 18 Nov 2024 12:47

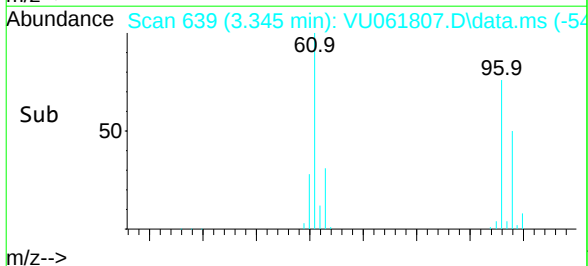
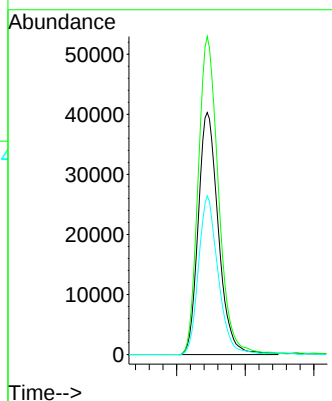
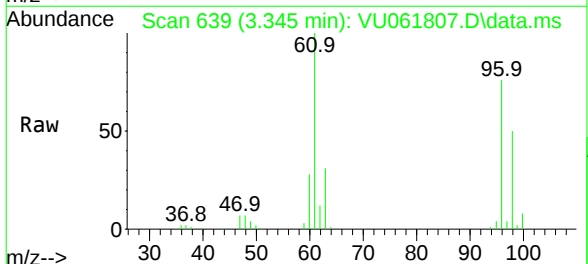
Instrument :
MSVOA_U
ClientSampleId :
A0AT1DL

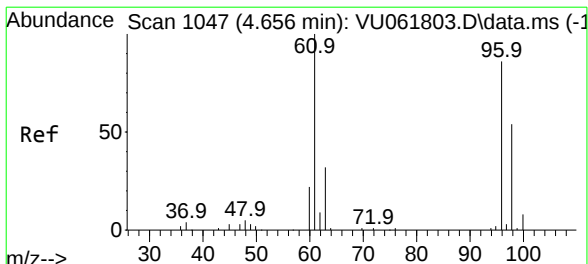
Tgt Ion:	84	Resp:	124678
Ion	Ratio	Lower	Upper
84	100		
86	61.4	45.1	83.7
49	105.9	76.3	141.7



#18
trans-1,2-Dichloroethene
Concen: 7.540 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU061807.D
Acq: 18 Nov 2024 12:47

Tgt Ion:	96	Resp:	82407
Ion	Ratio	Lower	Upper
96	100		
61	131.4	94.1	174.8
98	65.6	43.2	80.2

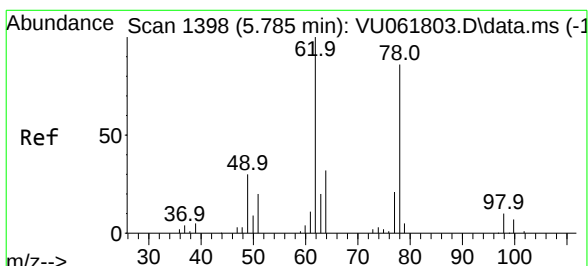
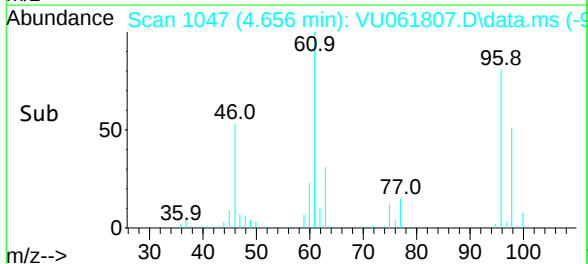
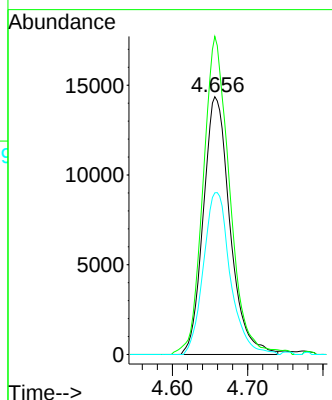
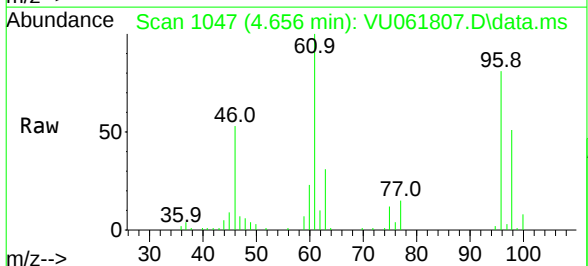




#22
 cis-1,2-Dichloroethene
 Concen: 2.866 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU061807.D
 Acq: 18 Nov 2024 12:47

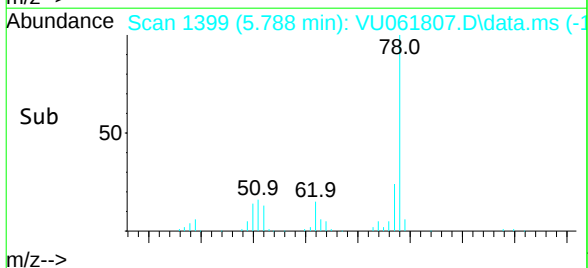
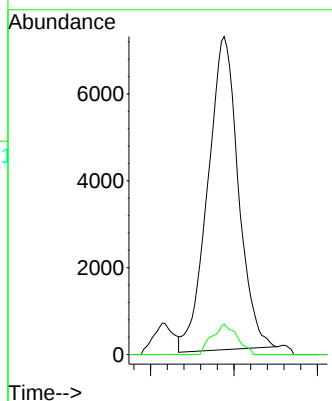
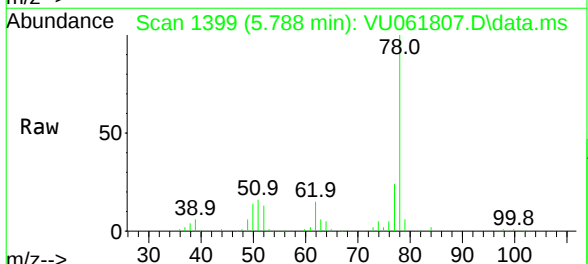
Instrument :
 MSVOA_U
 ClientSampleId :
 A0AT1DL

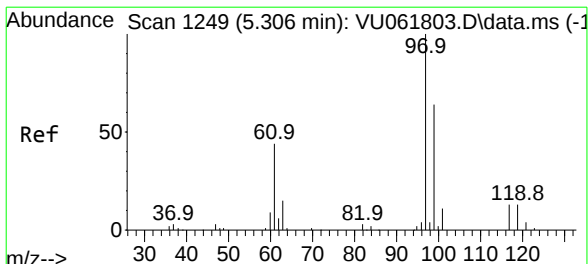
Tgt Ion:	96	Resp:	35332
Ion	Ratio	Lower	Upper
96	100		
61	123.4	85.6	159.0
98	62.7	45.6	84.8



#27
 1,2-Dichloroethane
 Concen: 1.394 ug/L
 RT: 5.788 min Scan# 1399
 Delta R.T. 0.003 min
 Lab File: VU061807.D
 Acq: 18 Nov 2024 12:47

Tgt Ion:	62	Resp:	18375
Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.7	11.5



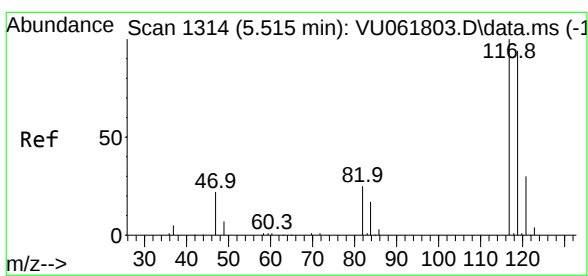
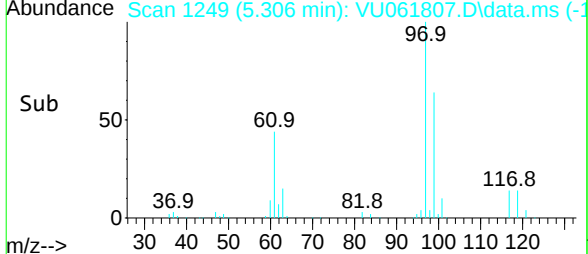
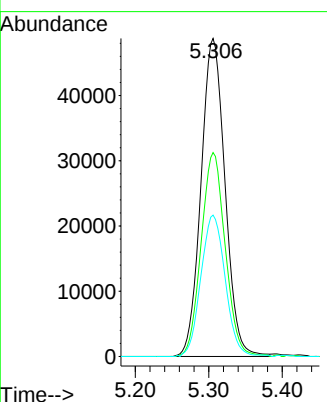
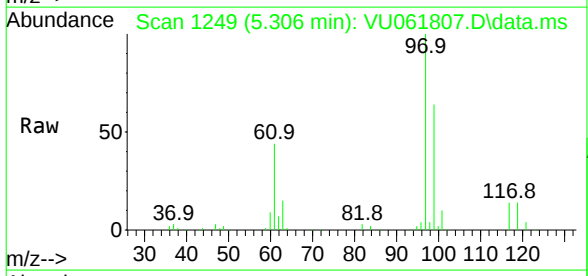


#29
 1,1,1-Trichloroethane
 Concen: 6.239 ug/L
 RT: 5.306 min Scan# 1249
 Delta R.T. 0.000 min
 Lab File: VU061807.D
 Acq: 18 Nov 2024 12:47

Instrument :
 MSVOA_U
 ClientSampleId :
 A0AT1DL

Tgt Ion: 97 Resp: 110764

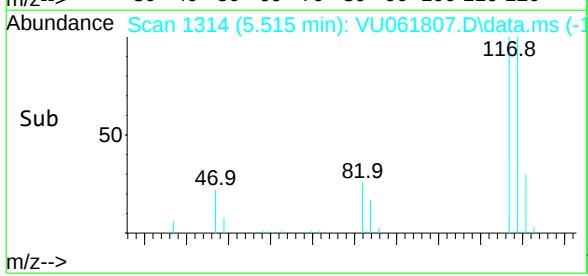
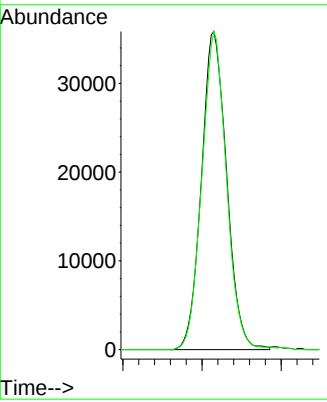
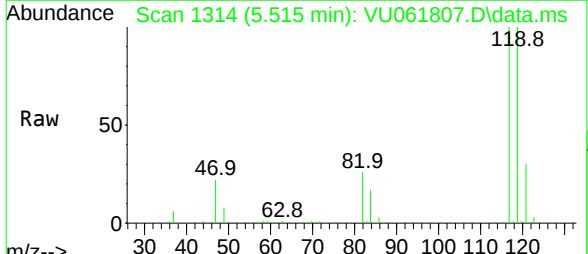
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	44.9	35.4	53.0

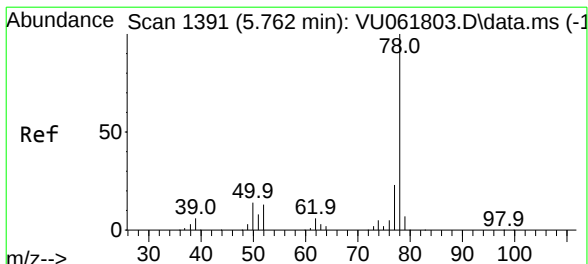


#31
 Carbon tetrachloride
 Concen: 5.239 ug/L
 RT: 5.515 min Scan# 1314
 Delta R.T. 0.000 min
 Lab File: VU061807.D
 Acq: 18 Nov 2024 12:47

Tgt Ion: 117 Resp: 79233

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.6	114.8

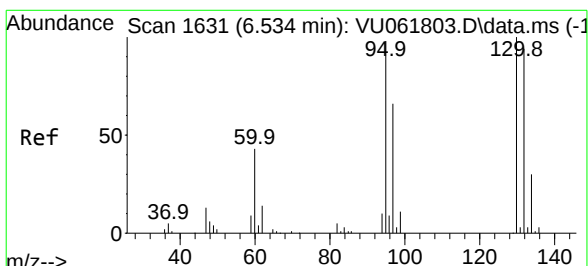
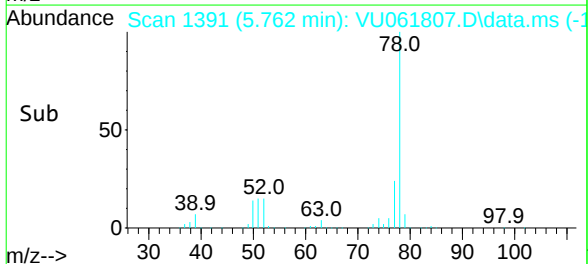
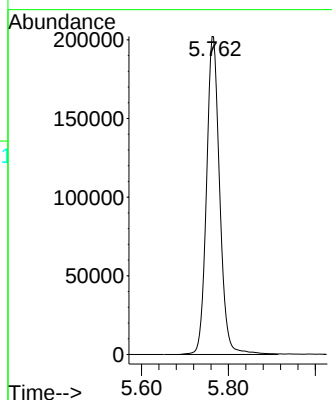
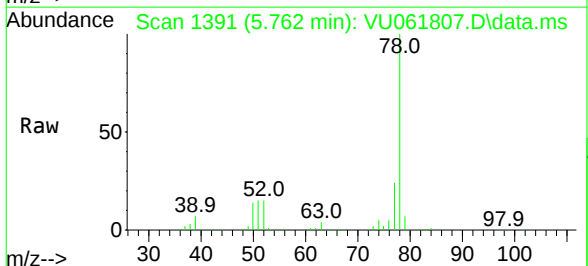




#33
Benzene
Concen: 9.004 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU061807.D
Acq: 18 Nov 2024 12:47

Instrument : MSVOA_U
ClientSampleId : A0AT1DL

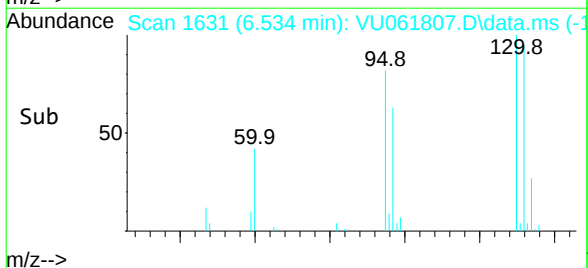
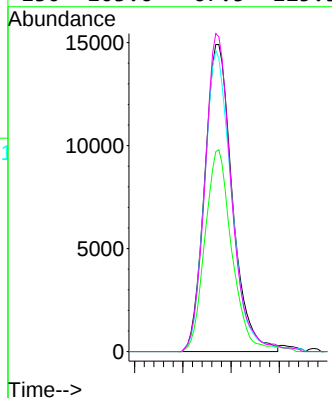
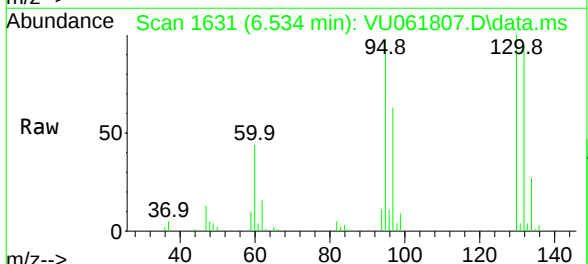
Tgt Ion: 78 Resp: 425187

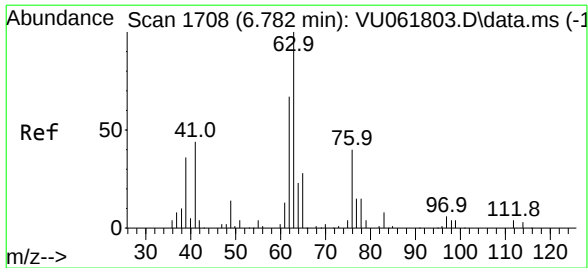


#34
Trichloroethene
Concen: 2.338 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU061807.D
Acq: 18 Nov 2024 12:47

Tgt Ion: 95 Resp: 29807

Ion	Ratio	Lower	Upper
95	100		
97	65.1	43.5	80.9
132	98.0	65.2	121.0
130	103.6	67.5	125.3

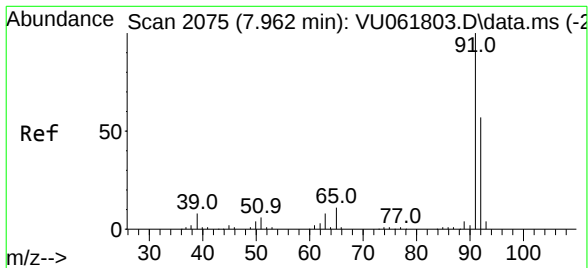
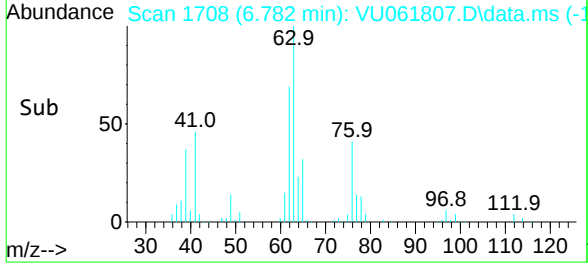
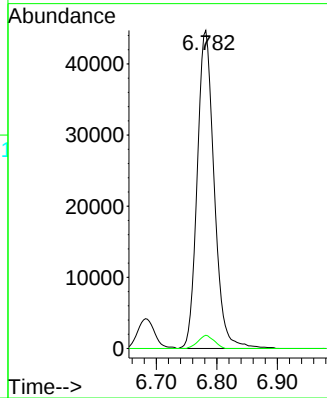
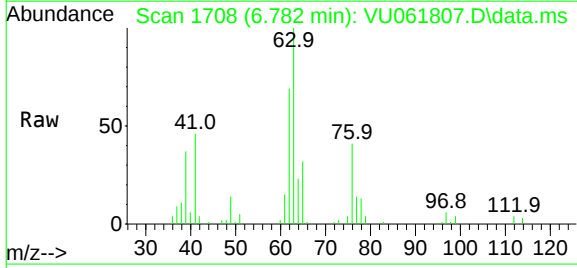




#37
1,2-Dichloropropane
Concen: 7.263 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VU061807.D
Acq: 18 Nov 2024 12:47

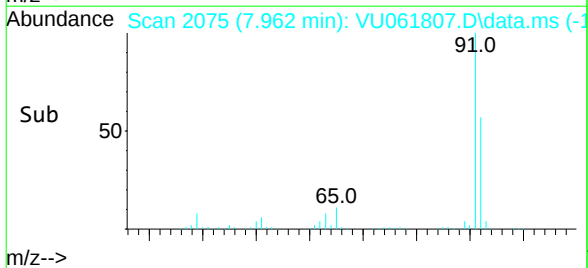
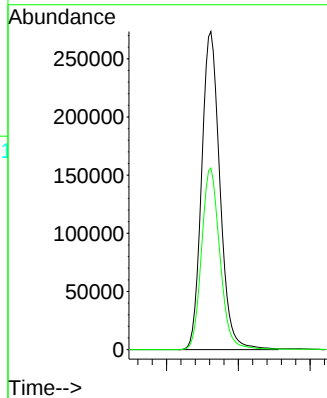
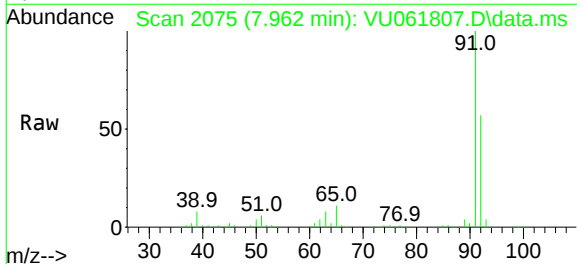
Instrument :
MSVOA_U
ClientSampleId :
A0AT1DL

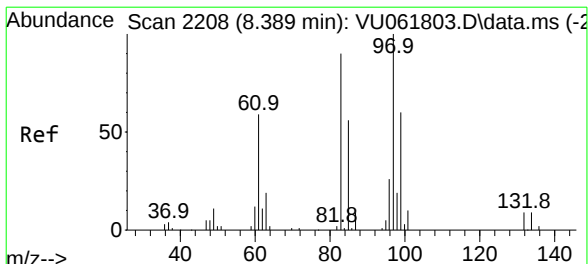
Tgt Ion: 63 Resp: 87008
Ion Ratio Lower Upper
63 100
112 3.9 3.0 4.4



#42
Toluene
Concen: 9.518 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU061807.D
Acq: 18 Nov 2024 12:47

Tgt Ion: 91 Resp: 483937
Ion Ratio Lower Upper
91 100
92 57.1 39.7 73.7

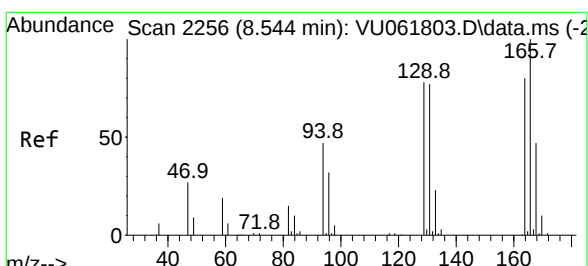
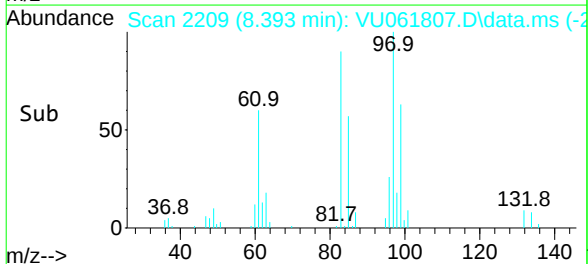
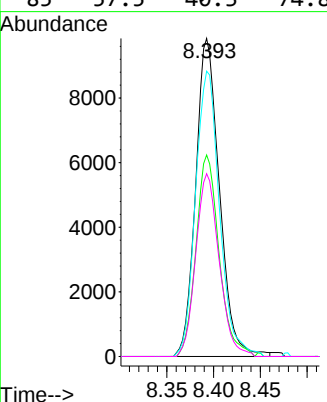
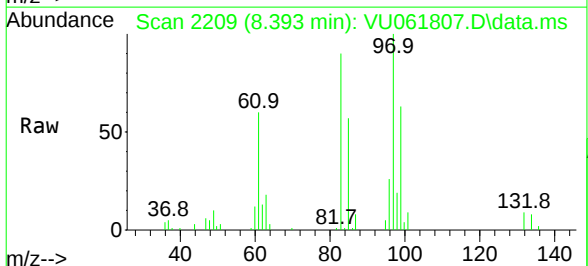




#45
1,1,2-Trichloroethane
Concen: 1.991 ug/L
RT: 8.393 min Scan# 2208
Delta R.T. 0.003 min
Lab File: VU061807.D
Acq: 18 Nov 2024 12:47

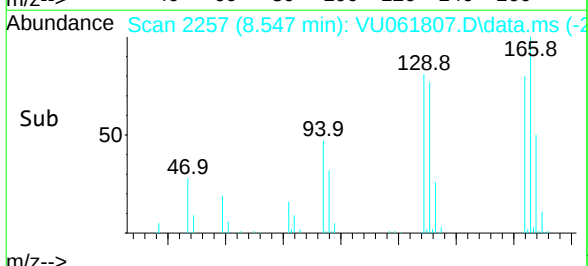
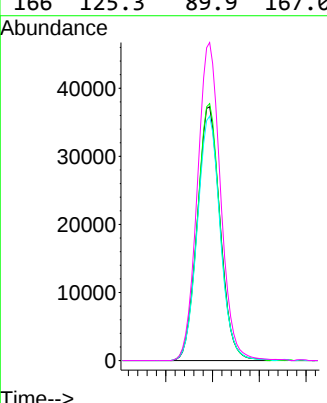
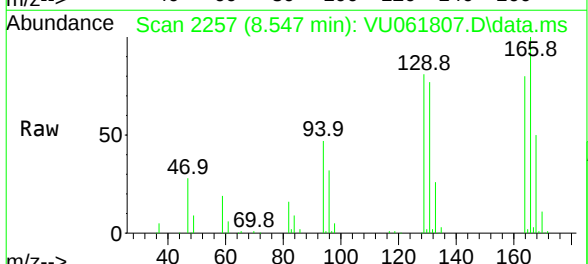
Instrument :
MSVOA_U
ClientSampleId :
A0AT1DL

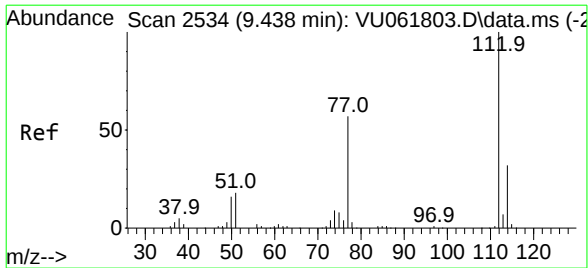
Tgt Ion:	97	Resp:	17384
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.8	81.3
83	89.7	63.2	117.4
85	57.5	40.3	74.8



#47
Tetrachloroethene
Concen: 6.619 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU061807.D
Acq: 18 Nov 2024 12:47

Tgt Ion:	164	Resp:	63422
Ion	Ratio	Lower	Upper
164	100		
129	101.2	71.7	133.3
131	96.3	68.2	126.6
166	125.3	89.9	167.0

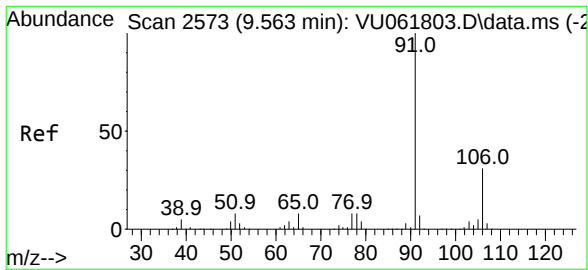
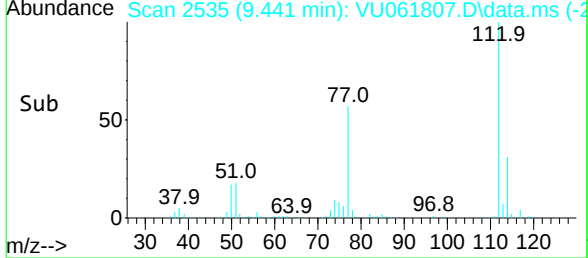
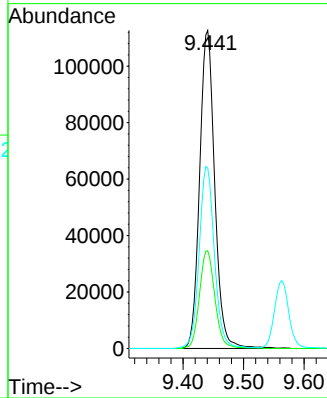
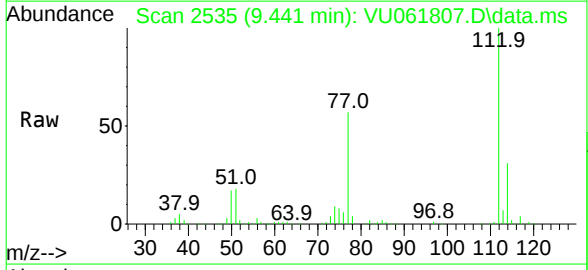




#51
Chlorobenzene
Concen: 5.971 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU061807.D
Acq: 18 Nov 2024 12:47

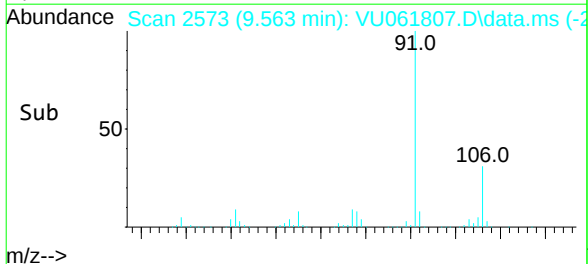
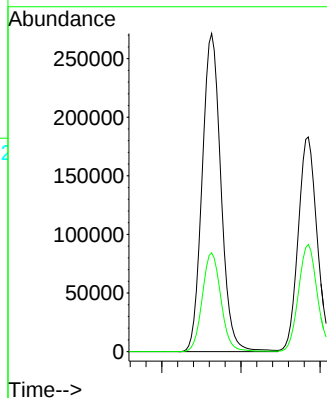
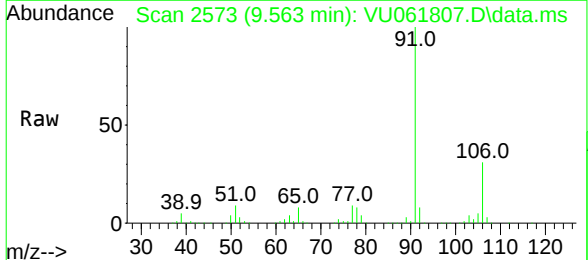
Instrument :
MSVOA_U
ClientSampleId :
A0AT1DL

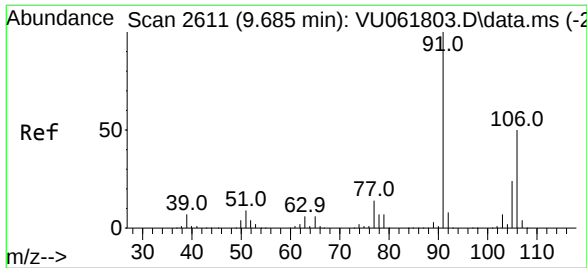
Tgt Ion: 112 Resp: 195406
Ion Ratio Lower Upper
112 100
114 30.7 22.5 41.9
77 56.8 45.3 67.9



#52
Ethylbenzene
Concen: 8.258 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU061807.D
Acq: 18 Nov 2024 12:47

Tgt Ion: 91 Resp: 447265
Ion Ratio Lower Upper
91 100
106 31.1 21.7 40.3





#53

m,p-Xylene

Concen: 7.418 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU061807.D

Acq: 18 Nov 2024 12:47

Instrument :

MSVOA_U

ClientSampleId :

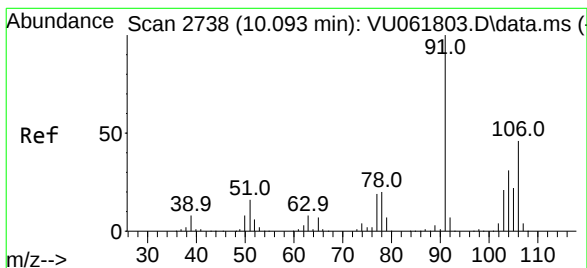
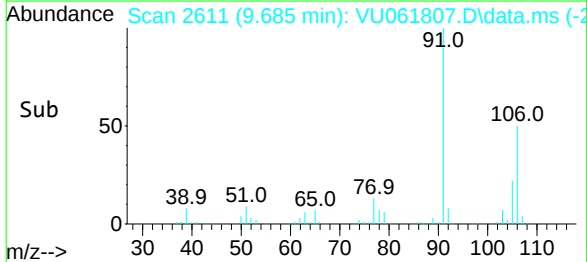
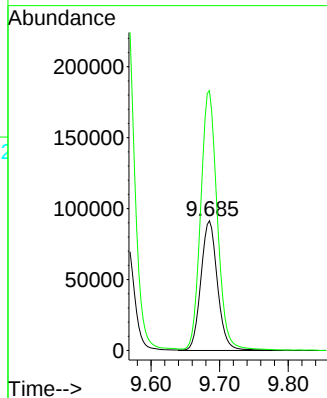
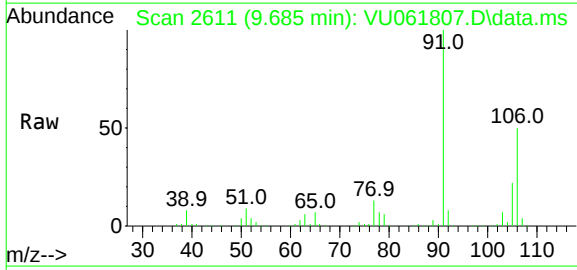
A0AT1DL

Tgt Ion:106 Resp: 153727

Ion Ratio Lower Upper

106 100

91 200.3 140.4 260.8



#54

o-Xylene

Concen: 2.946 ug/L

RT: 10.093 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU061807.D

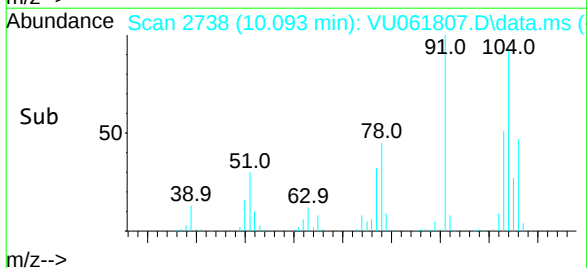
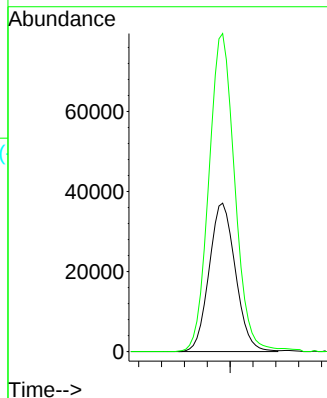
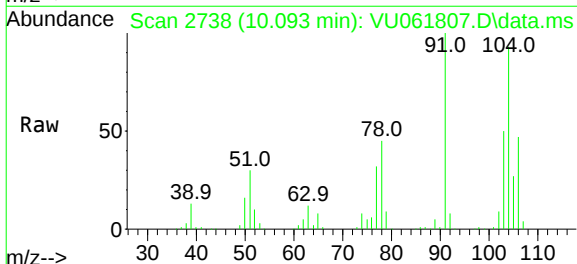
Acq: 18 Nov 2024 12:47

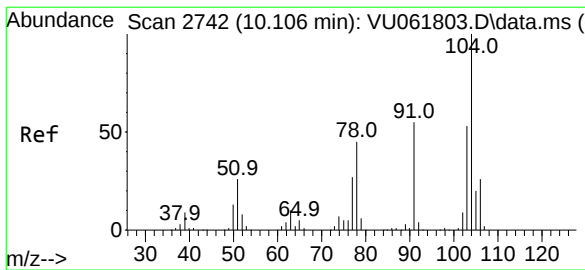
Tgt Ion:106 Resp: 59340

Ion Ratio Lower Upper

106 100

91 214.3 151.3 280.9





#55

Styrene

Concen: 9.251 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU061807.D

Acq: 18 Nov 2024 12:47

Instrument :

MSVOA_U

ClientSampleId :

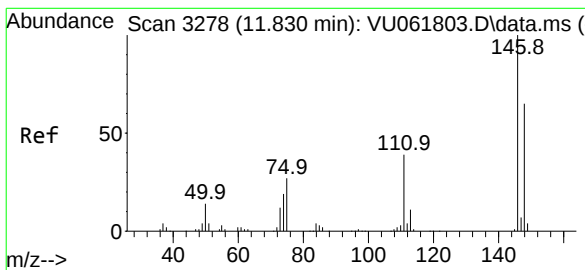
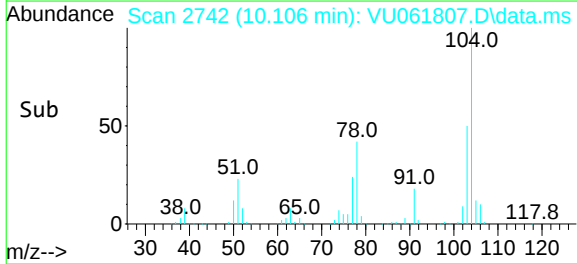
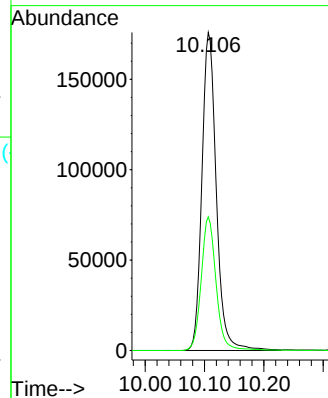
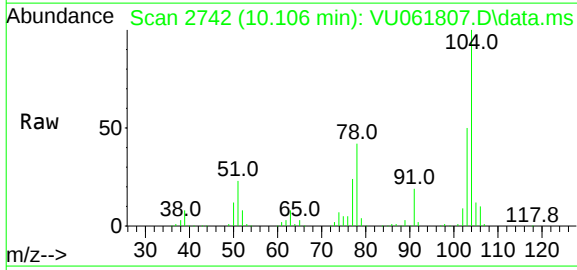
A0AT1DL

Tgt Ion:104 Resp: 296675

Ion Ratio Lower Upper

104 100

78 42.0 31.6 58.6



#65

1,4-Dichlorobenzene

Concen: 7.452 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU061807.D

Acq: 18 Nov 2024 12:47

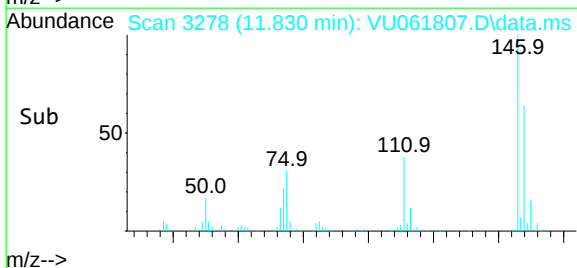
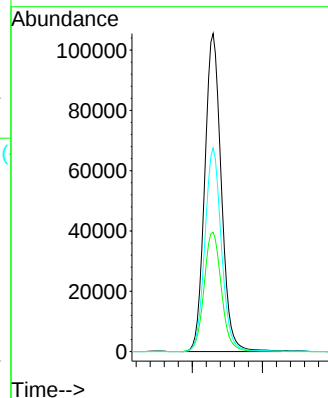
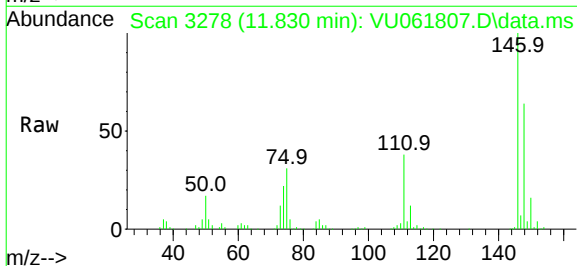
Tgt Ion:146 Resp: 173244

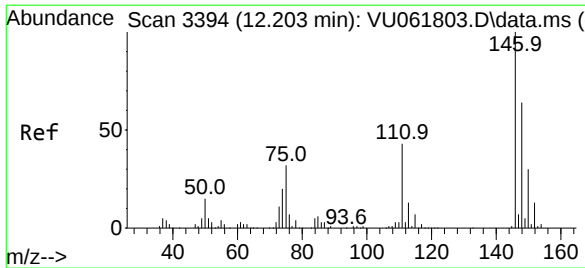
Ion Ratio Lower Upper

146 100

111 37.5 28.8 53.4

148 64.0 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 8.161 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU061807.D

Acq: 18 Nov 2024 12:47

Instrument :

MSVOA_U

ClientSampleId :

A0AT1DL

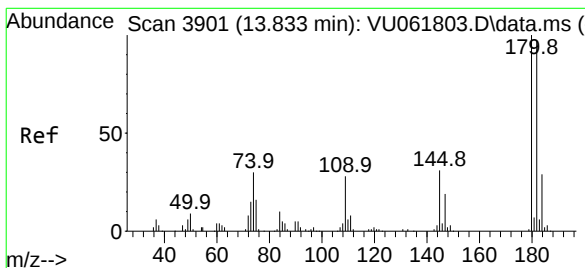
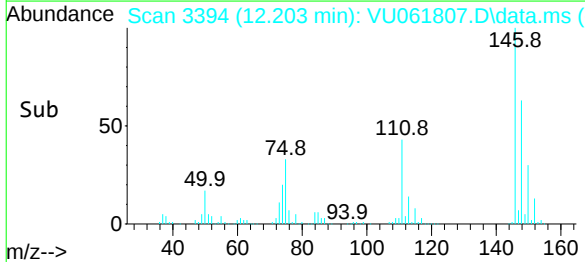
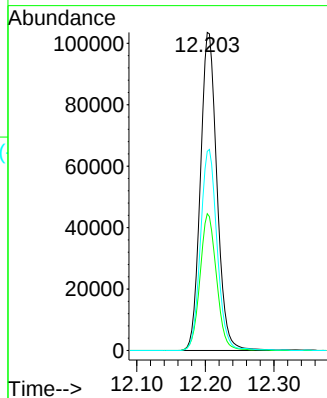
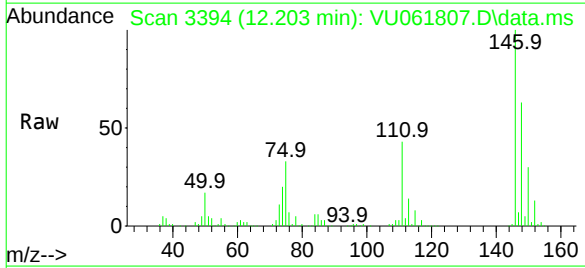
Tgt Ion:146 Resp: 173781

Ion Ratio Lower Upper

146 100

111 43.0 35.2 52.8

148 62.6 52.6 79.0



#70

1,2,4-trichlorobenzene

Concen: 3.503 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU061807.D

Acq: 18 Nov 2024 12:47

Tgt Ion:180 Resp: 43396

Ion Ratio Lower Upper

180 100

182 92.6 77.4 116.0

145 30.5 24.5 36.7

