

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011525\
 Data File : VU062796.D
 Acq On : 16 Jan 2025 04:06
 Operator : MD/SY
 Sample : Q1084-04
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COBA3

Quant Time: Jan 16 04:44:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 01:55:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	91666	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	86680	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	43540	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	14685	2.893	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.800%
7) Chloroethane-d5	1.901	69	15331	3.754	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.000%
11) 1,1-Dichloroethene-d2	2.557	65	8711	3.312	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.200%
20) 2-Butanone-d5	4.605	46	64197	61.870	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.740%
24) Chloroform-d	5.049	84	61013	4.885	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.689	65	35078	5.178	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.714	84	93275	4.402	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.676	67	28569	4.863	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.888	98	86226	4.177	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
43) trans-1,3-Dichloroprop...	8.171	79	14186	4.844	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.800%
46) 2-Hexanone-d5	8.618	63	52494	56.996	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.000%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	26766	5.440	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.800%
66) 1,2-Dichlorobenzene-d4	12.183	152	36785	5.078	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	2760	0.418	ug/L #	79
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	7988	1.242	ug/L	98
12) 1,1-Dichloroethene	2.570	96	41877	7.359	ug/L	86
16) Methylene chloride	3.033	84	50715	8.136	ug/L	97
17) Methyl tert-butyl Ether	3.351	73	2161	0.138	ug/L #	79
18) trans-1,2-Dichloroethene	3.341	96	1166	0.191	ug/L	78
19) 1,1-Dichloroethane	3.856	63	13816	1.268	ug/L	87
22) cis-1,2-Dichloroethene	4.650	96	154125	23.215	ug/L	99
25) Chloroform	5.074	83	50064	3.732	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	6595	0.502	ug/L	99
31) Carbon tetrachloride	5.512	117	16394	1.357	ug/L	94
34) Trichloroethene	6.534	95	5646561	663.725	ug/L	98
42) Toluene	7.962	91	13990	0.513	ug/L	97
47) Tetrachloroethene	8.544	164	143296	24.456	ug/L	96
52) Ethylbenzene	9.560	91	56329	1.819	ug/L	98
53) m,p-Xylene	9.682	106	86202	7.443	ug/L	99
54) o-Xylene	10.090	106	43858	3.954	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	7397	0.290	ug/L	97
63) 1,2,4-Trimethylbenzene	11.460	105	21495	0.871	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011525\
Data File : VU062796.D
Acq On : 16 Jan 2025 04:06
Operator : MD/SY
Sample : Q1084-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0BA3

Quant Time: Jan 16 04:44:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 16 01:55:19 2025
Response via : Initial Calibration

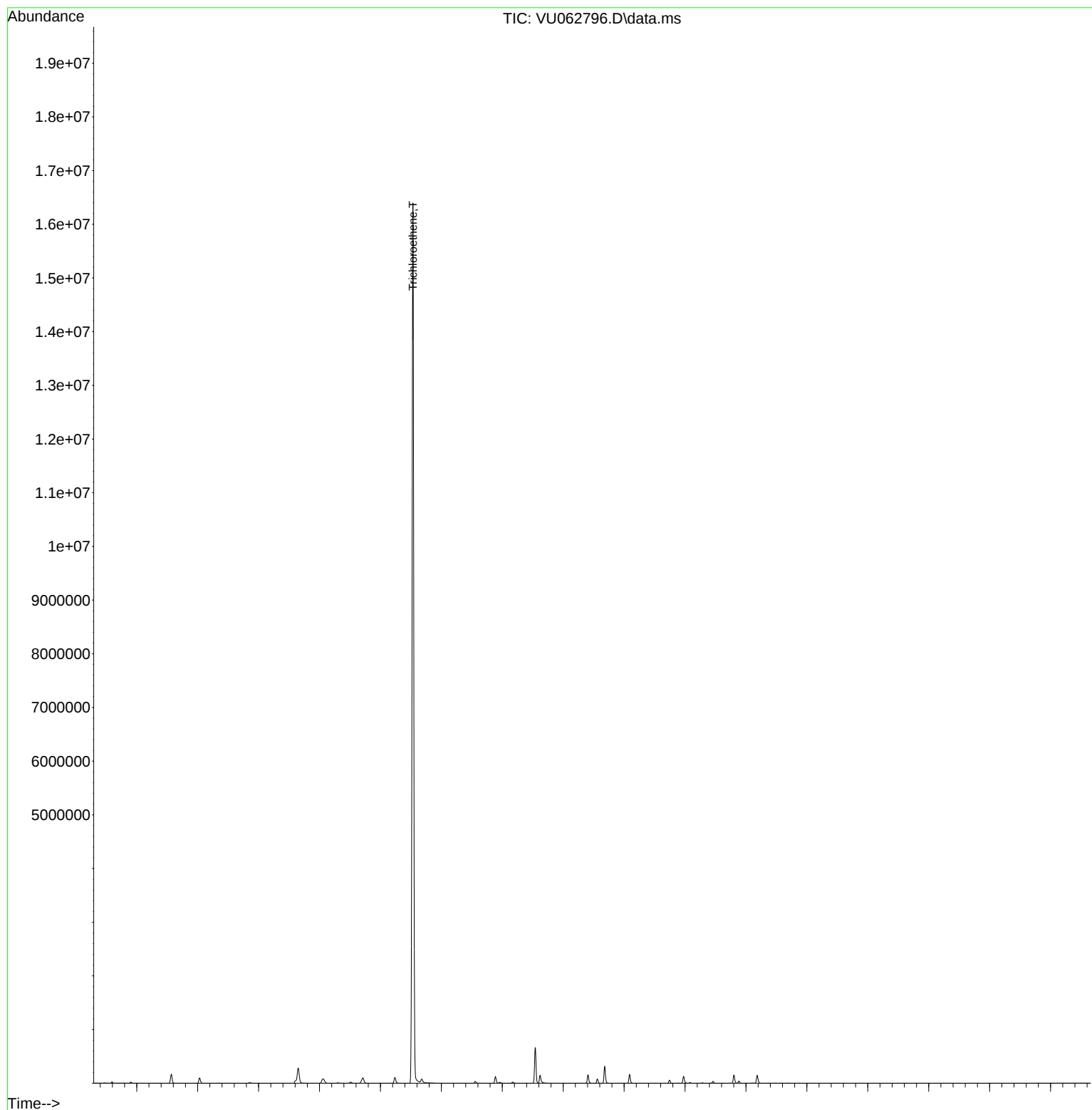
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.203	146	7687	0.590	ug/L	94

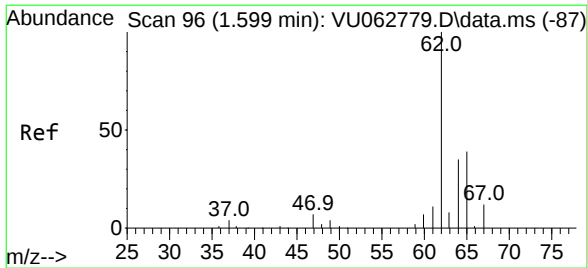
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011525\
Data File : VU062796.D
Acq On : 16 Jan 2025 04:06
Operator : MD/SY
Sample : Q1084-04
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0BA3

Quant Time: Jan 16 04:44:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 16 01:55:19 2025
Response via : Initial Calibration

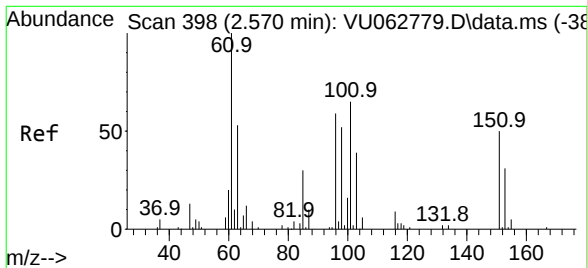
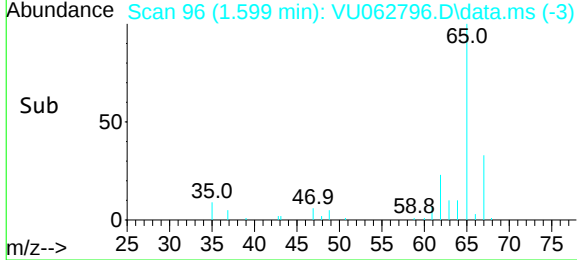
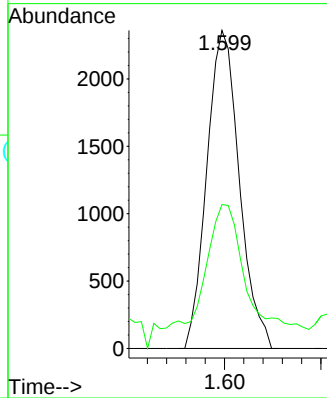
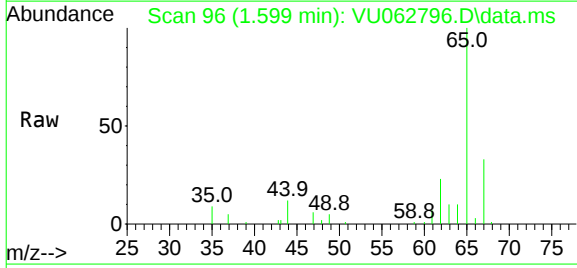




#5
 Vinyl chloride
 Concen: 0.418 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU062796.D
 Acq: 16 Jan 2025 04:06

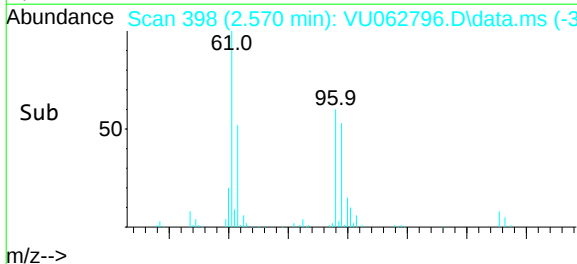
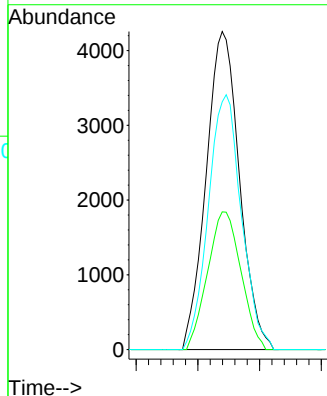
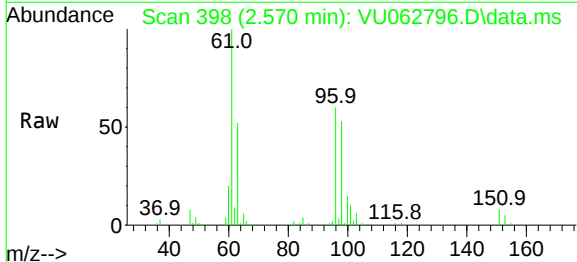
Instrument :
 MSVOA_U
 ClientSampleId :
 C0BA3

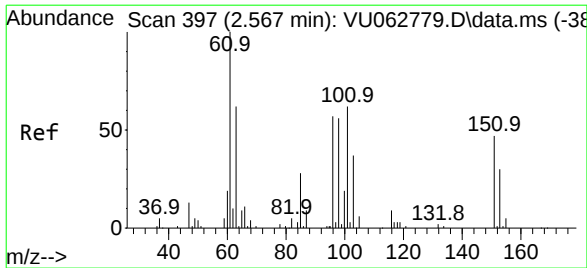
Tgt Ion: 62 Resp: 2760
 Ion Ratio Lower Upper
 62 100
 64 45.3 23.4 43.4#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.242 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.000 min
 Lab File: VU062796.D
 Acq: 16 Jan 2025 04:06

Tgt Ion: 101 Resp: 7988
 Ion Ratio Lower Upper
 101 100
 85 43.2 37.0 55.6
 151 79.4 64.4 96.6

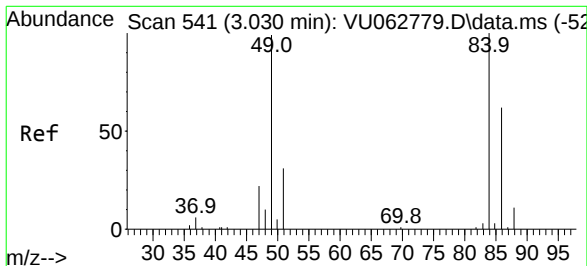
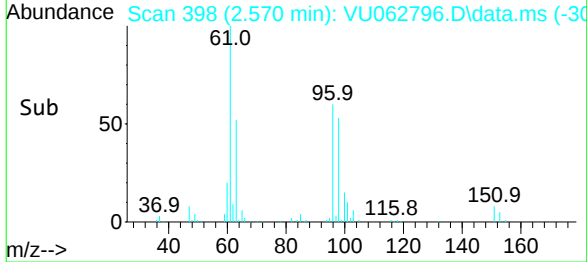
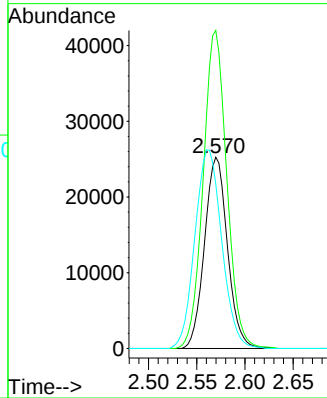
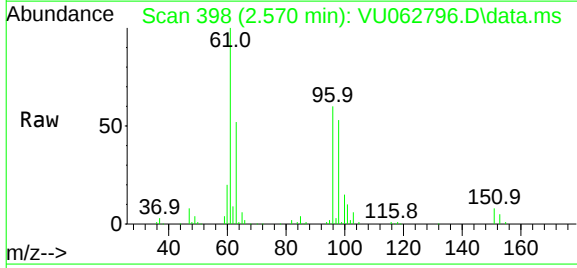




#12
1,1-Dichloroethene
Concen: 7.359 ug/L
RT: 2.570 min Scan# 39
Delta R.T. 0.003 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06

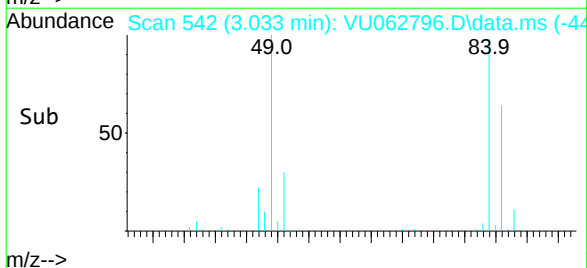
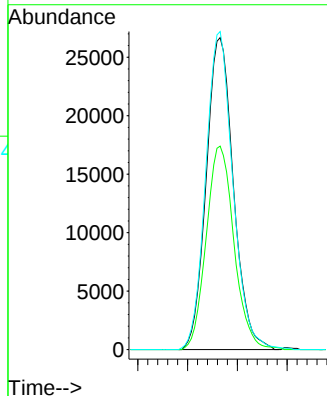
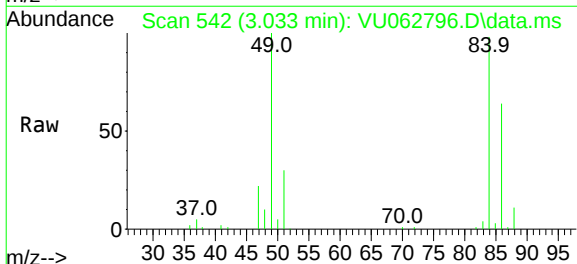
Instrument :
MSVOA_U
ClientSampleId :
C0BA3

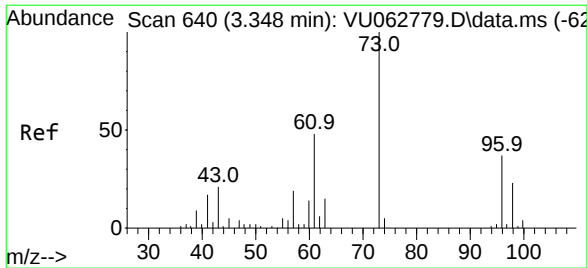
Tgt Ion: 96 Resp: 41877
Ion Ratio Lower Upper
96 100
61 166.3 120.4 223.6
63 85.9 82.3 152.9



#16
Methylene chloride
Concen: 8.136 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.003 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06

Tgt Ion: 84 Resp: 50715
Ion Ratio Lower Upper
84 100
86 65.2 44.7 83.1
49 101.9 68.3 126.9

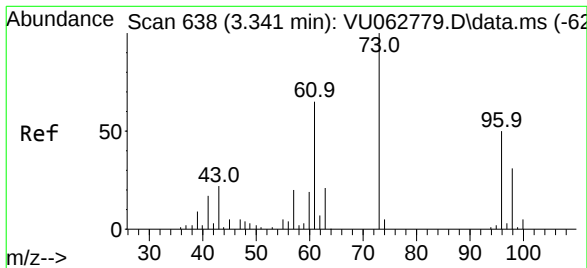
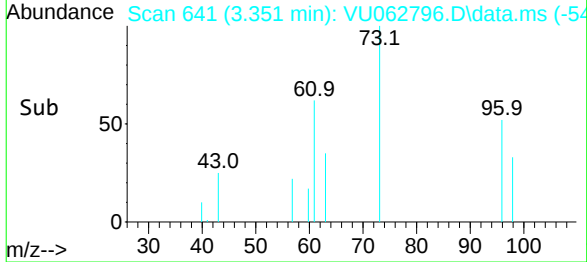
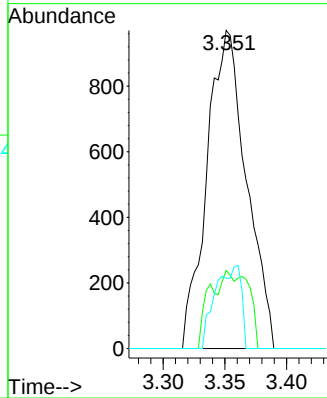
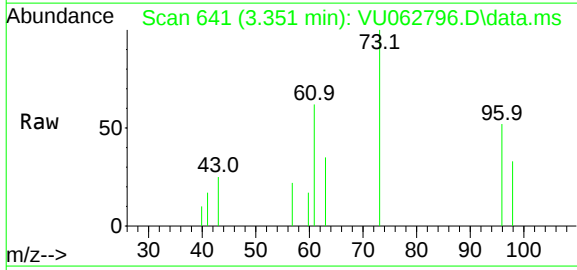




#17
Methyl tert-butyl Ether
Concen: 0.138 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06

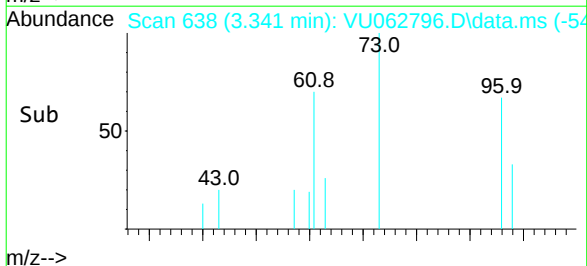
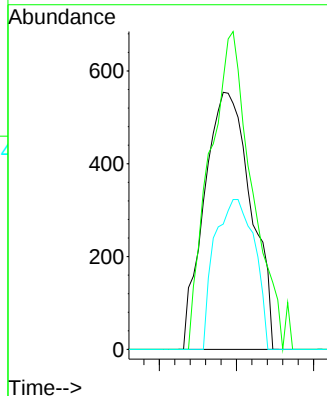
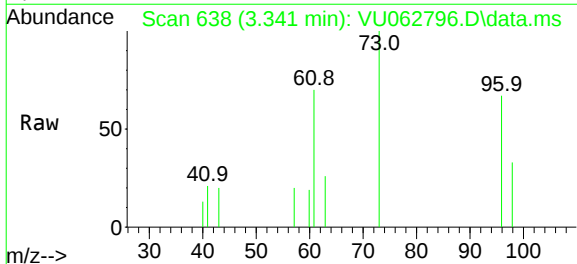
Instrument :
MSVOA_U
ClientSampleId :
C0BA3

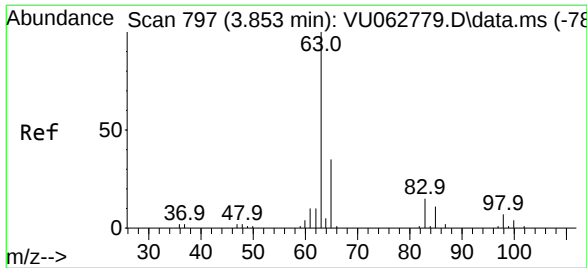
Tgt Ion:	73	Resp:	2161
Ion	Ratio	Lower	Upper
73	100		
43	2.6	16.2	24.4#
57	17.1	14.6	22.0



#18
trans-1,2-Dichloroethene
Concen: 0.191 ug/L
RT: 3.341 min Scan# 638
Delta R.T. -0.000 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06

Tgt Ion:	96	Resp:	1166
Ion	Ratio	Lower	Upper
96	100		
61	104.9	94.4	175.2
98	48.7	42.8	79.4

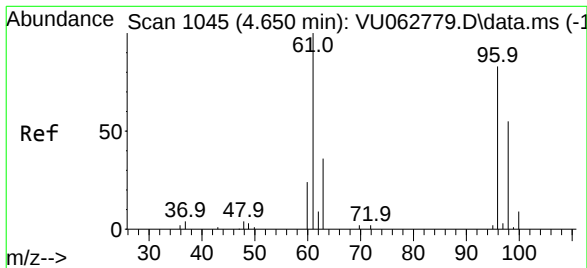
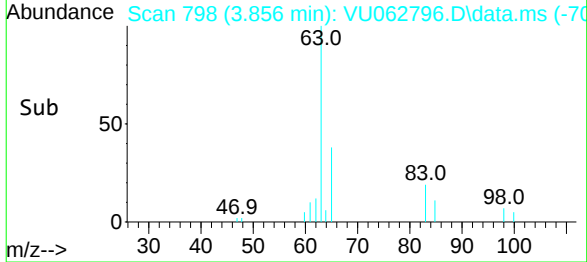
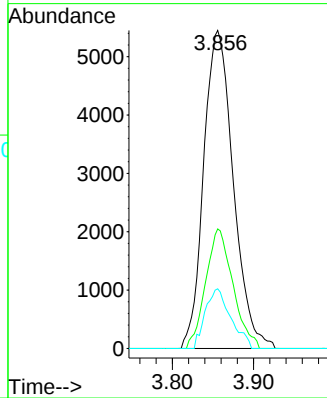
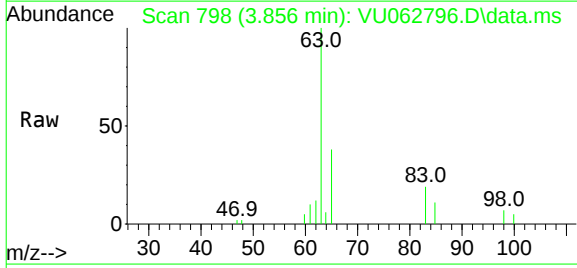




#19
1,1-Dichloroethane
Concen: 1.268 ug/L
RT: 3.856 min Scan# 79
Delta R.T. 0.003 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06

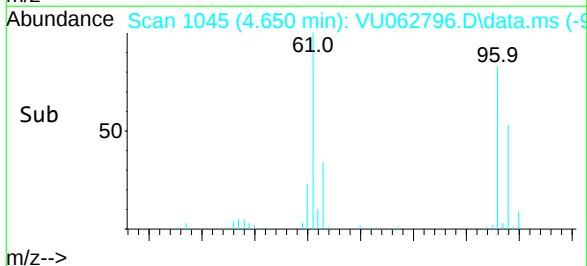
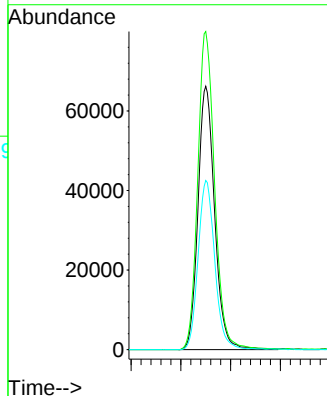
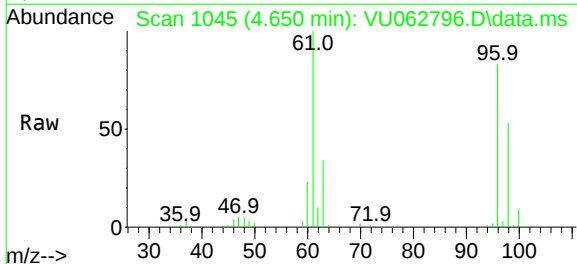
Instrument :
MSVOA_U
ClientSampleId :
C0BA3

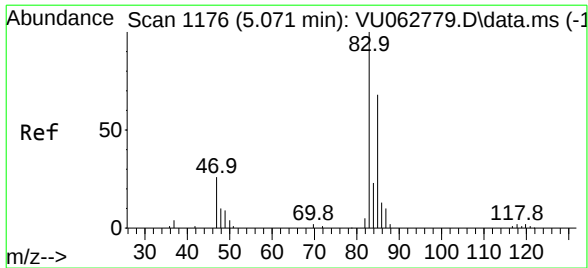
Tgt Ion:	63	Resp:	13816
Ion	Ratio	Lower	Upper
63	100		
65	37.6	20.7	38.5
83	18.8	10.5	19.5



#22
cis-1,2-Dichloroethene
Concen: 23.215 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06

Tgt Ion:	96	Resp:	154125
Ion	Ratio	Lower	Upper
96	100		
61	120.8	84.8	157.6
98	64.2	43.1	80.1

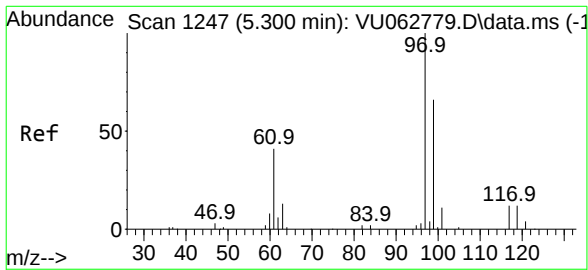
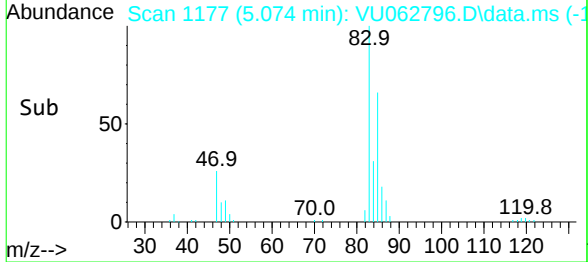
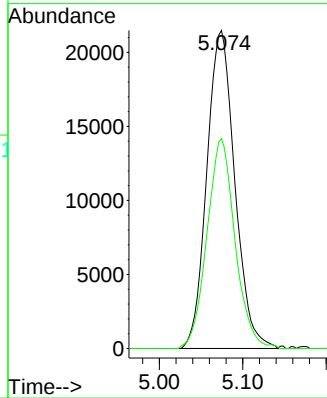
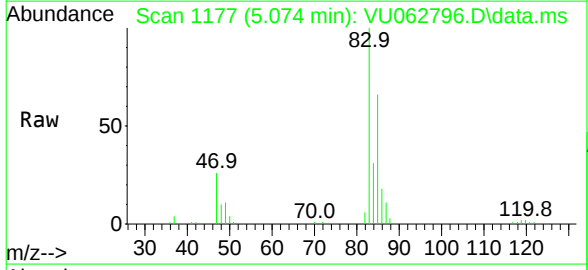




#25
Chloroform
Concen: 3.732 ug/L
RT: 5.074 min Scan# 1176
Delta R.T. 0.003 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06

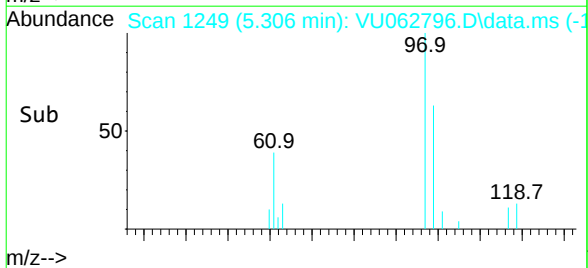
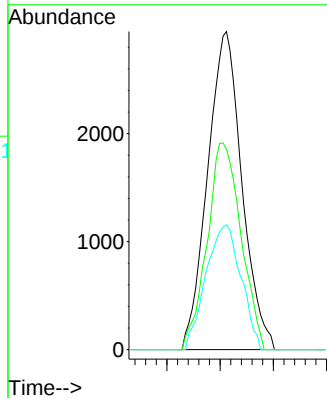
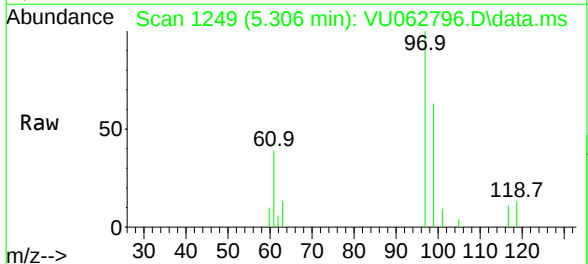
Instrument :
MSVOA_U
ClientSampleId :
C0BA3

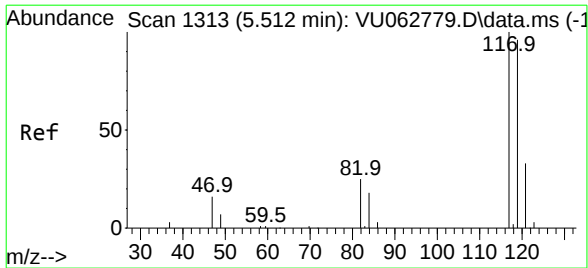
Tgt Ion: 83 Resp: 50064
Ion Ratio Lower Upper
83 100
85 66.0 45.8 85.2



#29
1,1,1-Trichloroethane
Concen: 0.502 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.006 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06

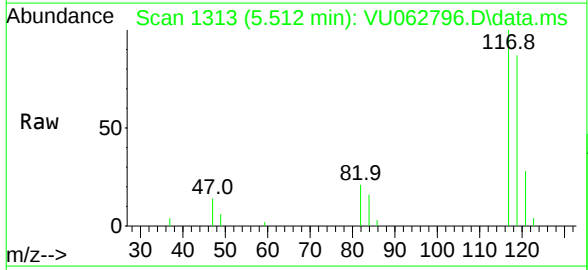
Tgt Ion: 97 Resp: 6595
Ion Ratio Lower Upper
97 100
99 64.2 52.4 78.6
61 40.0 32.2 48.4



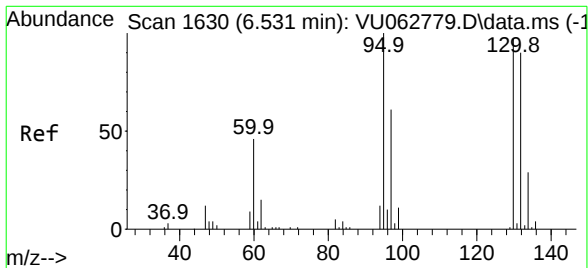
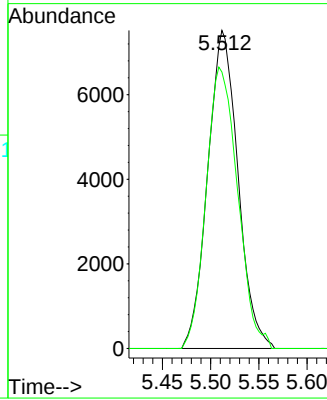
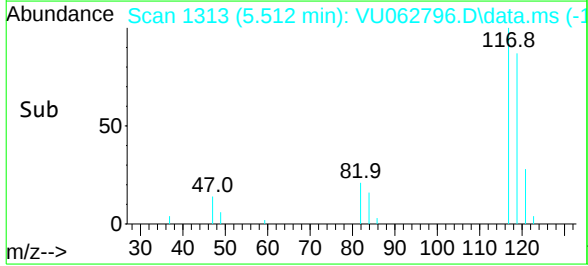


#31
Carbon tetrachloride
Concen: 1.357 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06

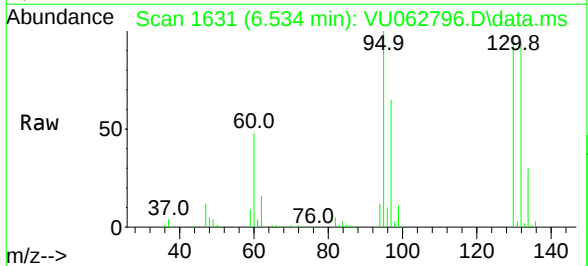
Instrument :
MSVOA_U
ClientSampleId :
C0BA3



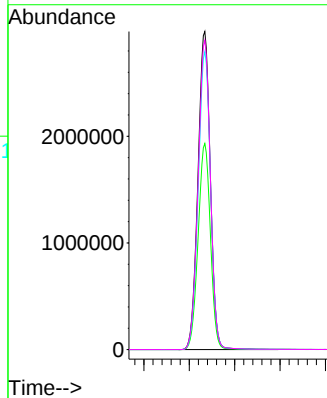
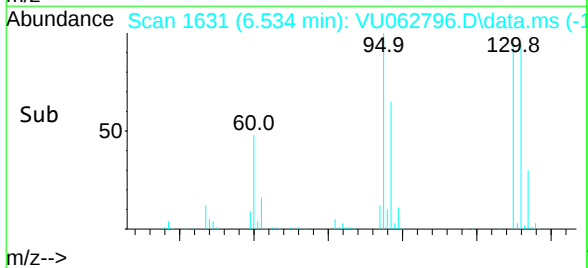
Tgt Ion:117 Resp: 16394
Ion Ratio Lower Upper
117 100
119 92.3 78.6 118.0

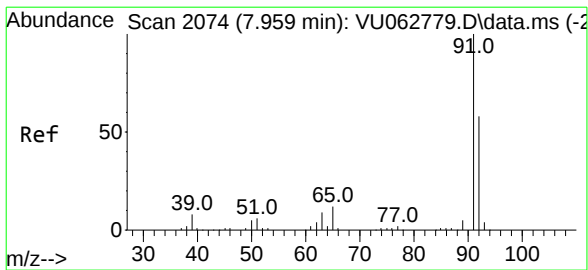


#34
Trichloroethene
Concen: 663.725 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.003 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06



Tgt Ion: 95 Resp: 5646561
Ion Ratio Lower Upper
95 100
97 64.8 47.5 88.3
132 93.6 66.9 124.3
130 97.2 68.6 127.4





#42

Toluene

Concen: 0.513 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU062796.D

Acq: 16 Jan 2025 04:06

Instrument :

MSVOA_U

ClientSampleId :

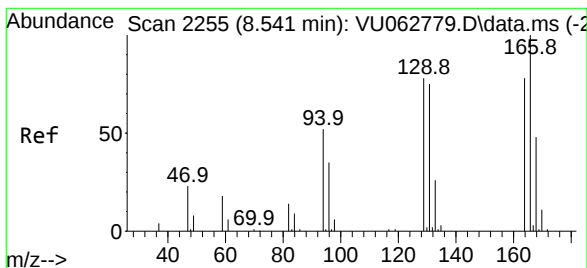
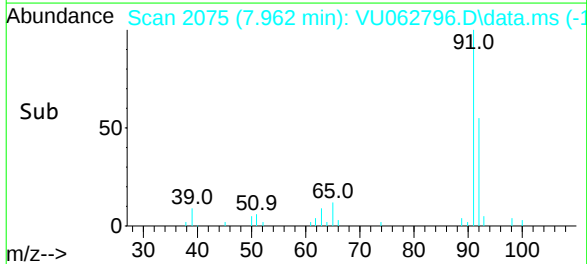
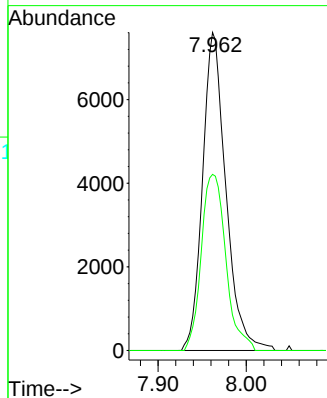
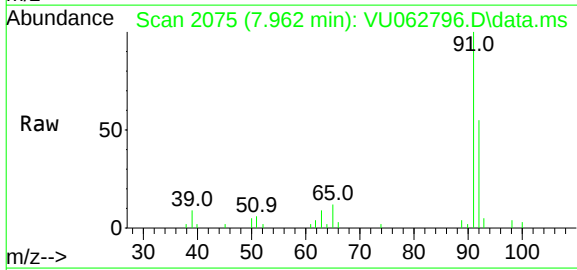
C0BA3

Tgt Ion: 91 Resp: 13990

Ion Ratio Lower Upper

91 100

92 55.4 40.4 75.0



#47

Tetrachloroethene

Concen: 24.456 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.003 min

Lab File: VU062796.D

Acq: 16 Jan 2025 04:06

Tgt Ion: 164 Resp: 143296

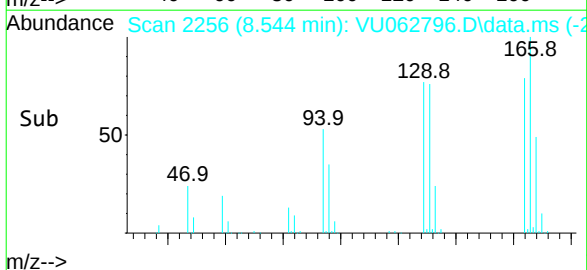
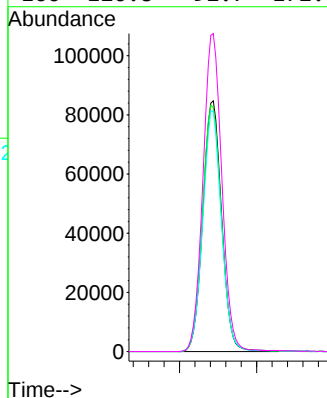
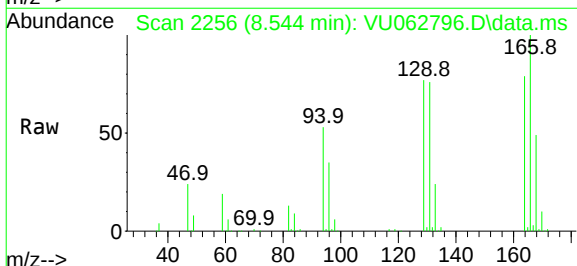
Ion Ratio Lower Upper

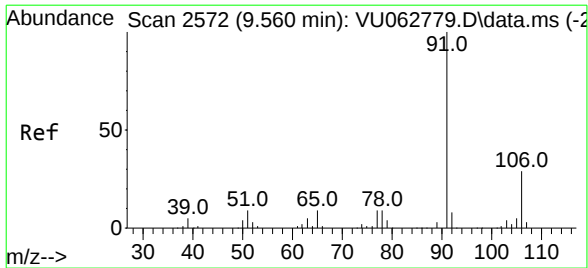
164 100

129 97.5 71.0 131.9

131 95.9 69.4 129.0

166 126.8 92.7 172.3

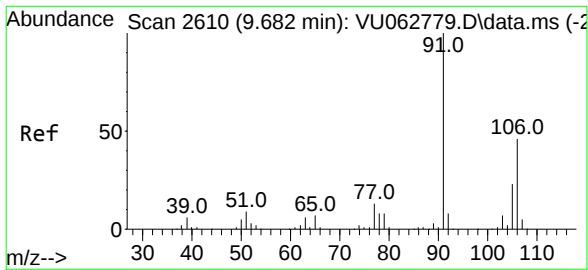
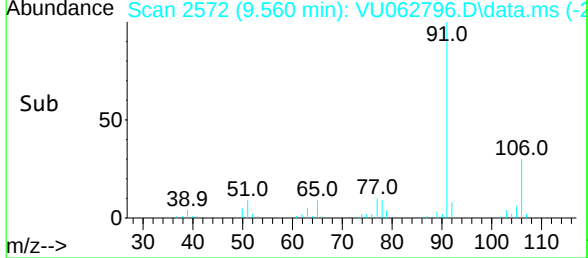
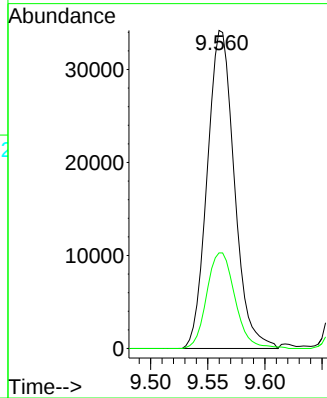
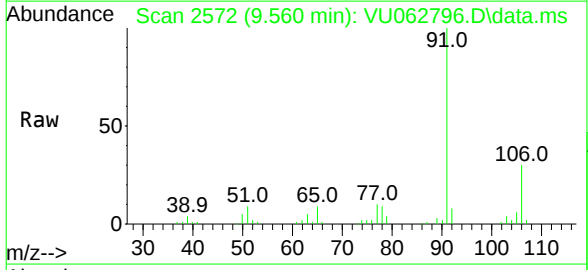




#52
Ethylbenzene
Concen: 1.819 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. -0.000 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06

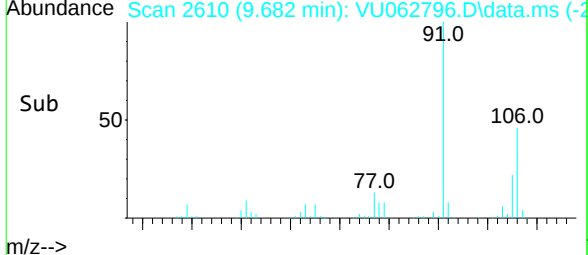
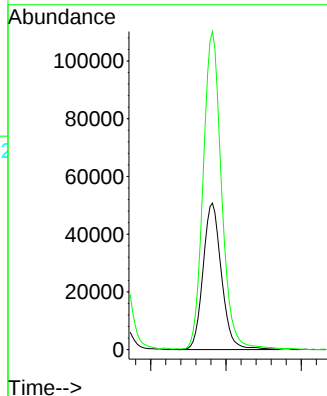
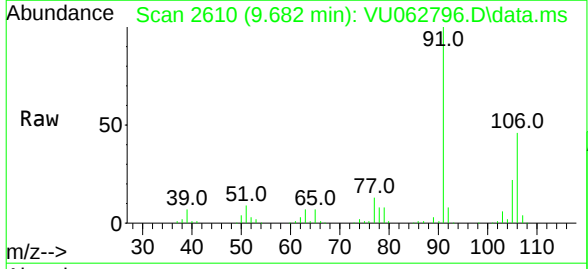
Instrument :
MSVOA_U
ClientSampleId :
C0BA3

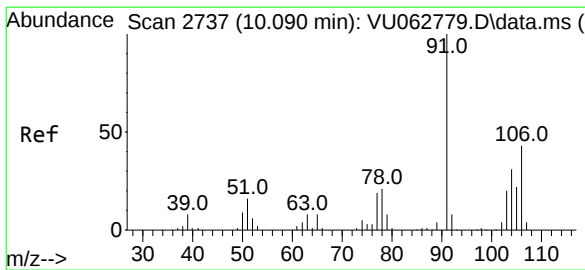
Tgt Ion: 91 Resp: 56329
Ion Ratio Lower Upper
91 100
106 30.0 21.9 40.7



#53
m,p-Xylene
Concen: 7.443 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.000 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06

Tgt Ion: 106 Resp: 86202
Ion Ratio Lower Upper
106 100
91 216.9 153.1 284.3





#54

o-Xylene

Concen: 3.954 ug/L

RT: 10.090 min Scan# 27

Delta R.T. -0.000 min

Lab File: VU062796.D

Acq: 16 Jan 2025 04:06

Instrument :

MSVOA_U

ClientSampleId :

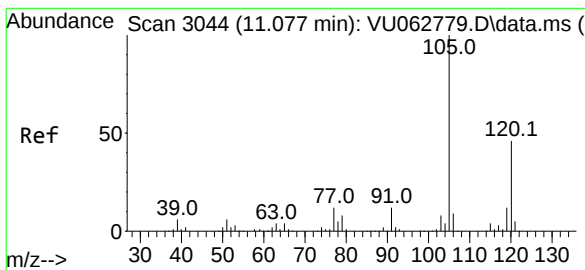
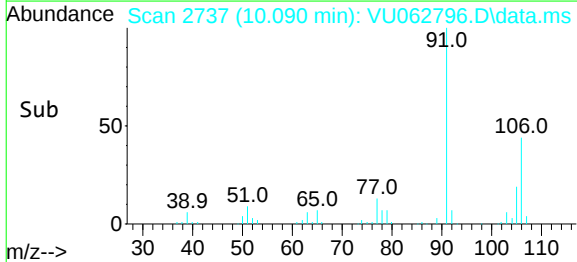
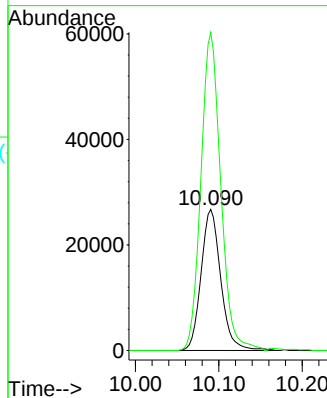
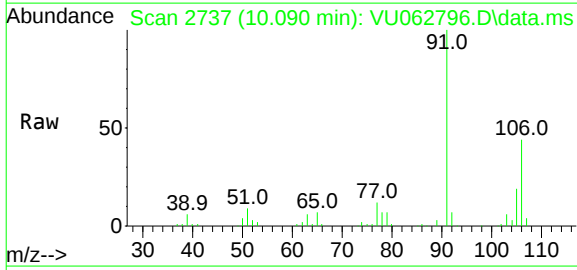
C0BA3

Tgt Ion:106 Resp: 43858

Ion Ratio Lower Upper

106 100

91 225.3 160.4 297.8



#62

1,3,5-Trimethylbenzene

Concen: 0.290 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU062796.D

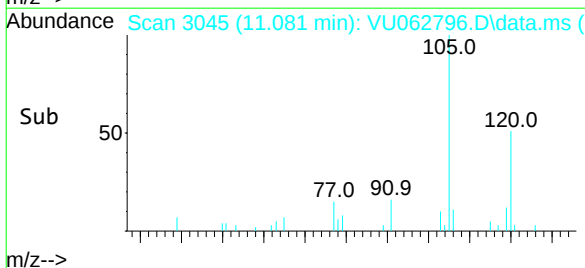
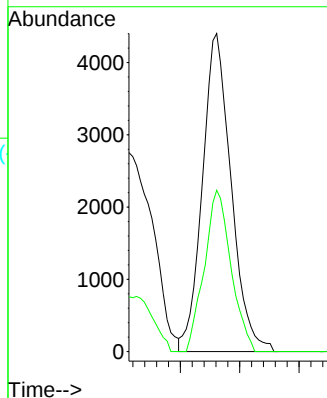
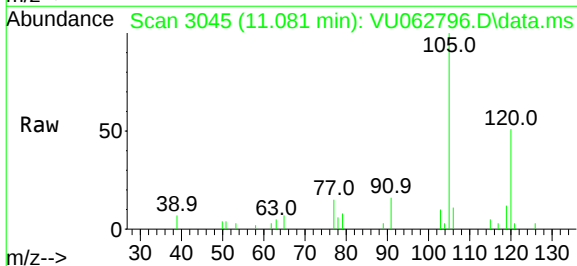
Acq: 16 Jan 2025 04:06

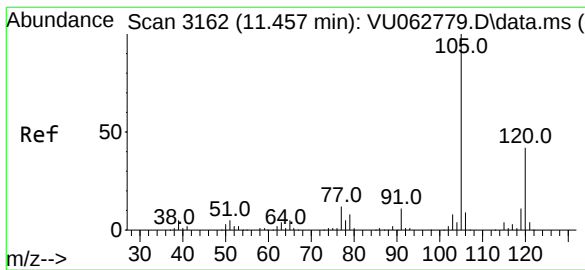
Tgt Ion:105 Resp: 7397

Ion Ratio Lower Upper

105 100

120 47.0 35.9 53.9

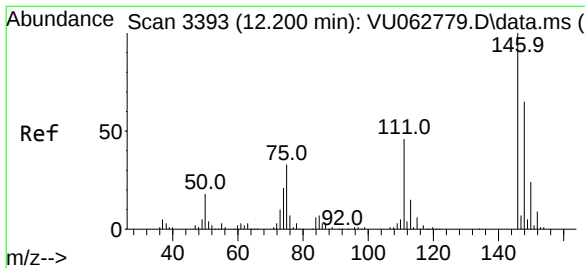
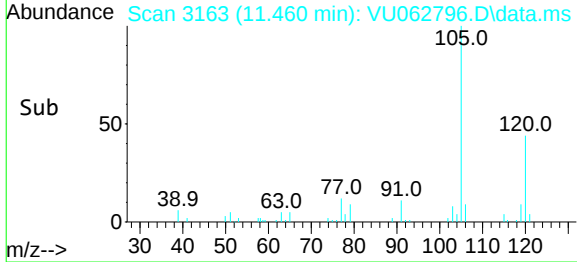
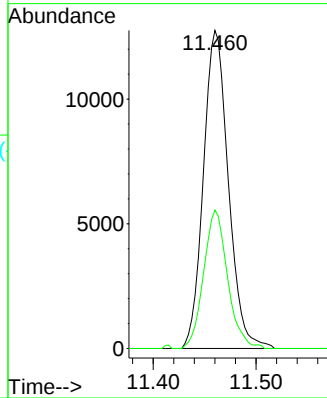
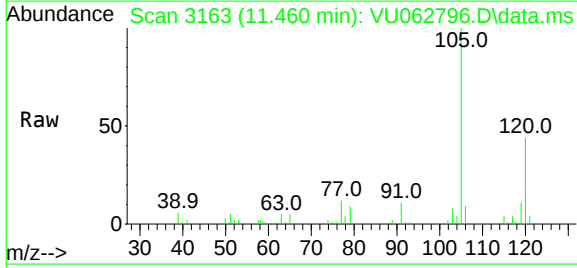




#63
1,2,4-Trimethylbenzene
Concen: 0.871 ug/L
RT: 11.460 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06

Instrument :
MSVOA_U
ClientSampleId :
C0BA3

Tgt Ion:105 Resp: 21495
Ion Ratio Lower Upper
105 100
120 41.7 34.2 51.2



#67
1,2-Dichlorobenzene
Concen: 0.590 ug/L
RT: 12.203 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VU062796.D
Acq: 16 Jan 2025 04:06

Tgt Ion:146 Resp: 7687
Ion Ratio Lower Upper
146 100
111 41.7 36.3 54.5
148 60.3 52.0 78.0

