

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122222\
 Data File : VU052511.D
 Acq On : 22 Dec 2022 23:15
 Operator : JC/MD
 Sample : N6170-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBQB2

Quant Time: Dec 23 06:42:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 23 06:08:56 2022
 Response via : Initial Calibration

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

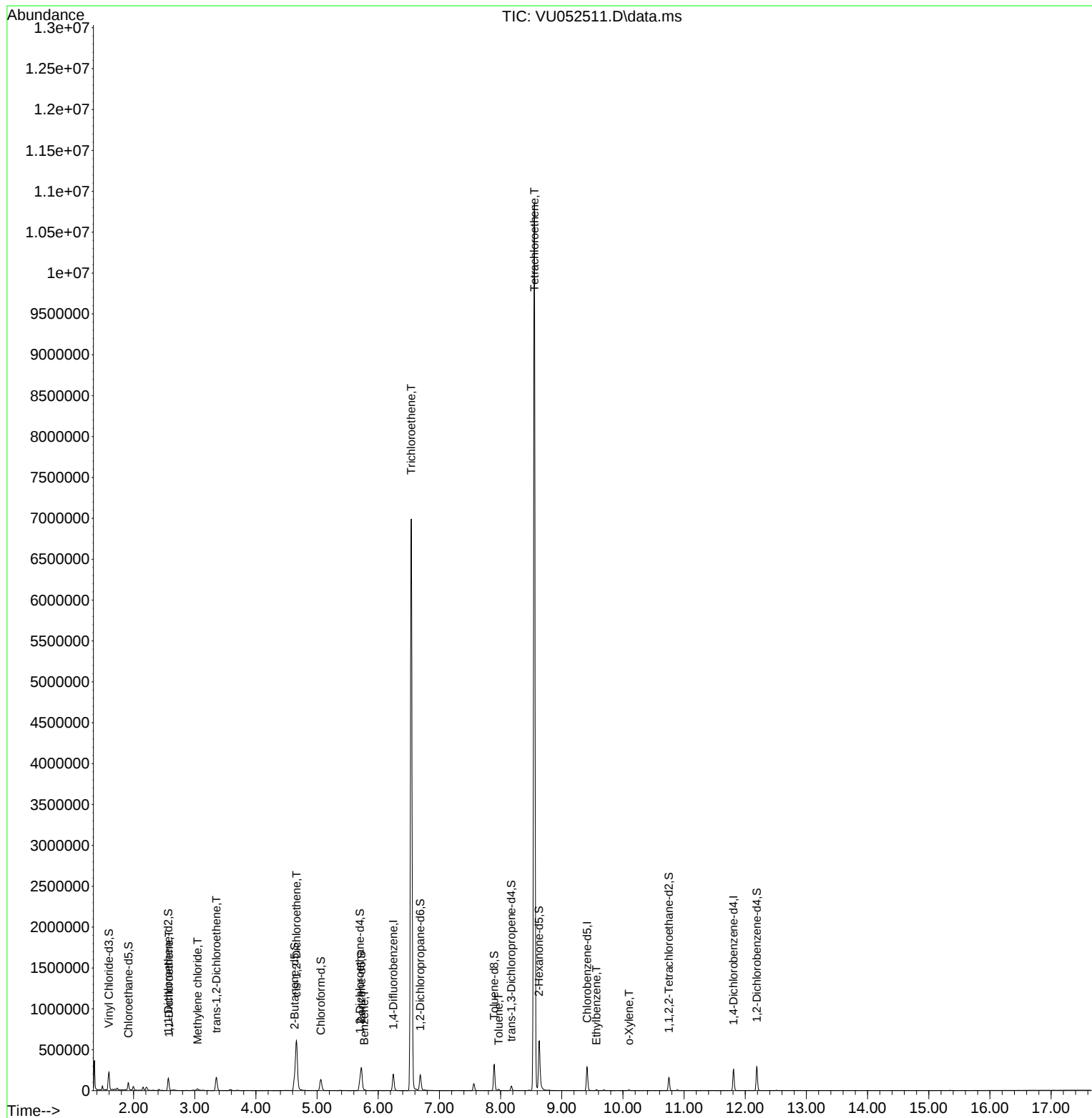
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	156122	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	152661	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	65779	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67441	4.264	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	85.200%	
7) Chloroethane-d5	1.916	69	61654	4.520	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.400%	
11) 1,1-Dichloroethene-d2	2.568	65	29996	4.407	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	88.200%	
20) 2-Butanone-d5	4.633	46	295115	60.168	ug/L	-0.03
Spiked Amount	50.000	Range 40 - 130	Recovery	=	120.340%	
24) Chloroform-d	5.060	84	125966	4.720	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.400%	
26) 1,2-Dichloroethane-d4	5.700	65	78273	5.057	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	101.200%	
32) Benzene-d6	5.726	84	255029	4.873	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	97.400%	
36) 1,2-Dichloropropane-d6	6.687	67	93201	5.173	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	103.400%	
41) Toluene-d8	7.896	98	201976	4.597	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	92.000%	
43) trans-1,3-Dichloroprop...	8.176	79	30984	5.022	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	100.400%	
46) 2-Hexanone-d5	8.629	63	217622	64.474	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	128.940%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	81959	5.358	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	107.200%	
66) 1,2-Dichlorobenzene-d4	12.189	152	71595	5.346	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	107.000%	
Target Compounds						
12) 1,1-Dichloroethene	2.578	96	2689	0.230	ug/L	# 1
16) Methylene chloride	3.047	84	7859	0.476	ug/L	96
18) trans-1,2-Dichloroethene	3.353	96	63617	5.279	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	273561	20.686	ug/L	98
33) Benzene	5.771	78	7549	0.137	ug/L	100
34) Trichloroethene	6.539	95	2408416	187.356	ug/L	97
42) Toluene	7.970	91	11387	0.216	ug/L	93
47) Tetrachloroethene	8.552	164	2236269	249.222	ug/L	98
52) Ethylbenzene	9.568	91	7100	0.130	ug/L	100
54) o-Xylene	10.099	106	2544	0.132	ug/L	73

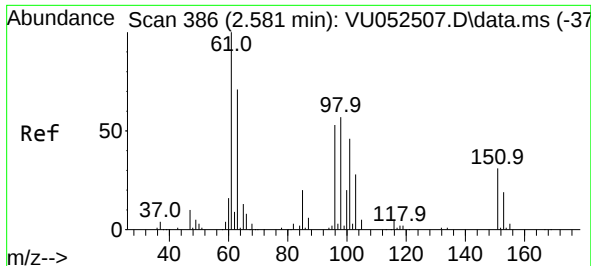
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.230 ug/L

RT: 2.578 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU052511.D

Acq: 22 Dec 2022 23:15

Instrument :

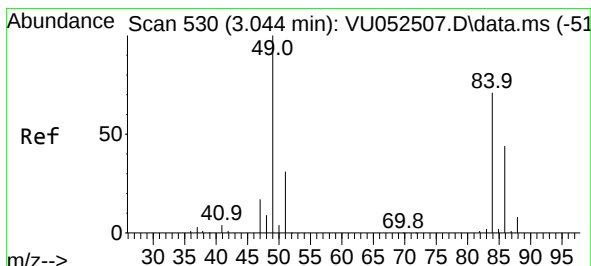
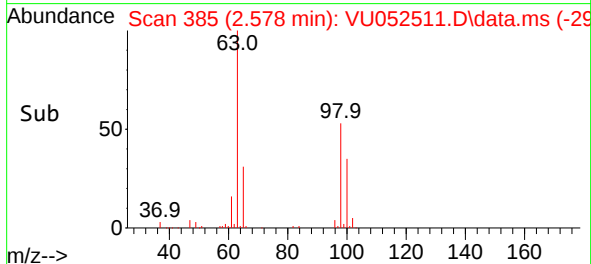
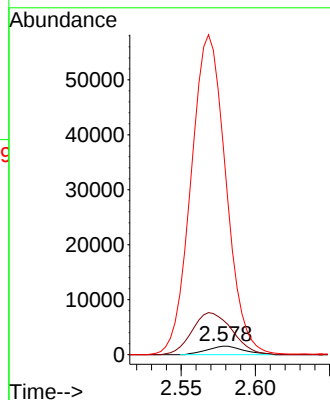
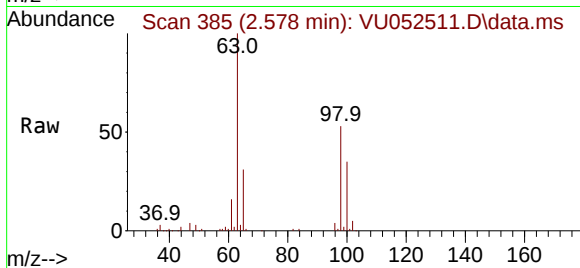
MSVOA_U

ClientSampleId :

GBQB2

Tgt Ion: 96 Resp: 2689

Ion	Ratio	Lower	Upper
96	100		
61	406.8	135.4	251.4#
63	2488.0	95.4	177.2#



#16

Methylene chloride

Concen: 0.476 ug/L

RT: 3.047 min Scan# 531

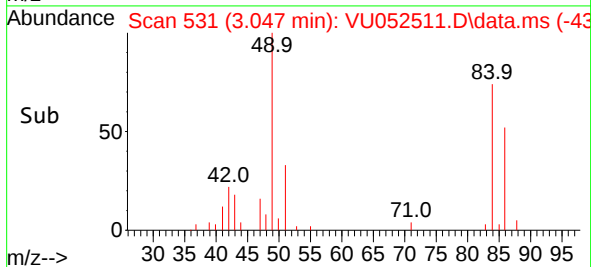
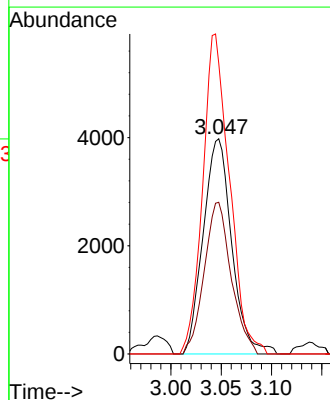
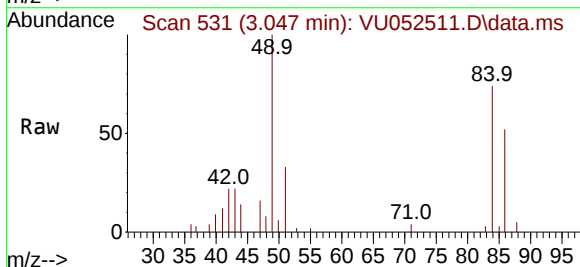
Delta R.T. 0.003 min

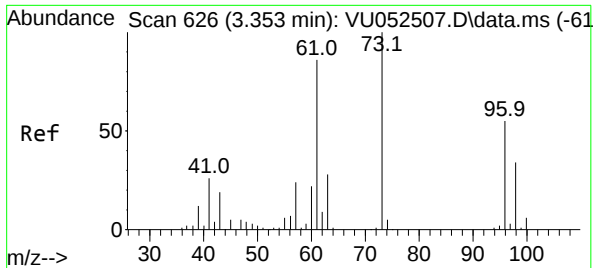
Lab File: VU052511.D

Acq: 22 Dec 2022 23:15

Tgt Ion: 84 Resp: 7859

Ion	Ratio	Lower	Upper
84	100		
86	70.5	44.7	83.1
49	135.0	93.3	173.3

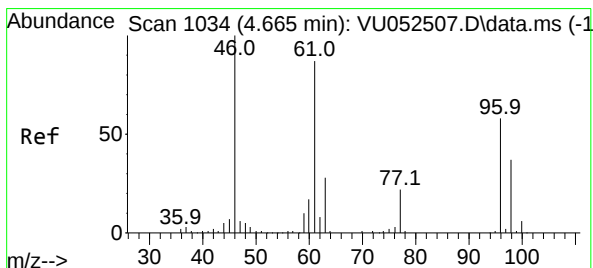
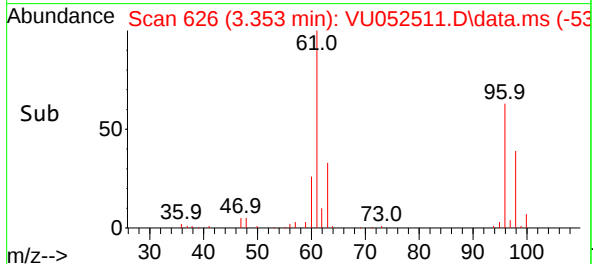
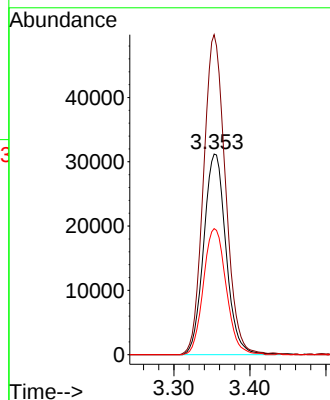
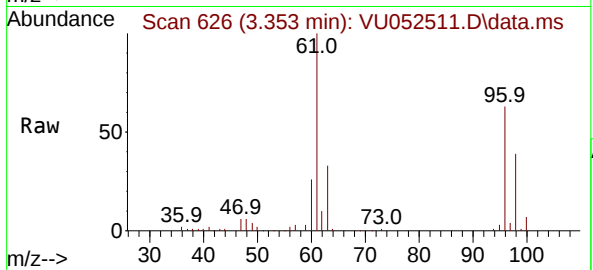




#18
trans-1,2-Dichloroethene
Concen: 5.279 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

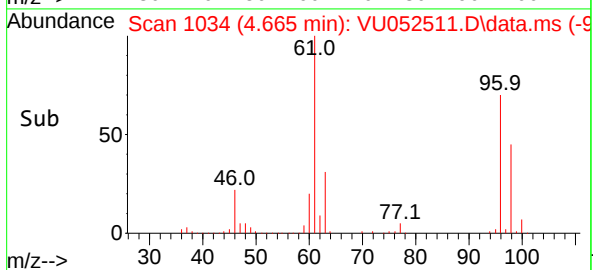
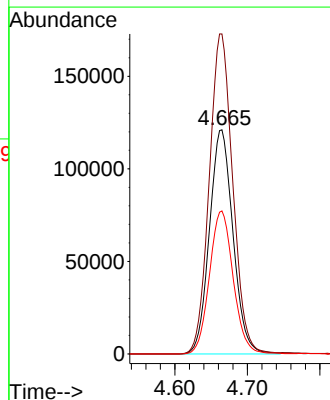
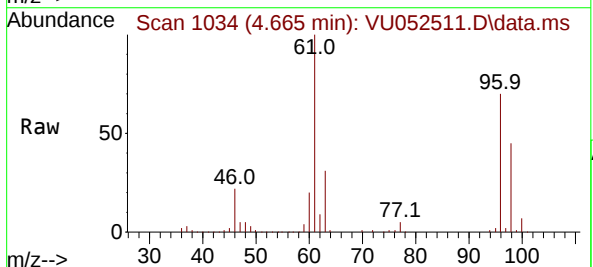
Instrument :
MSVOA_U
ClientSampleId :
GBQB2

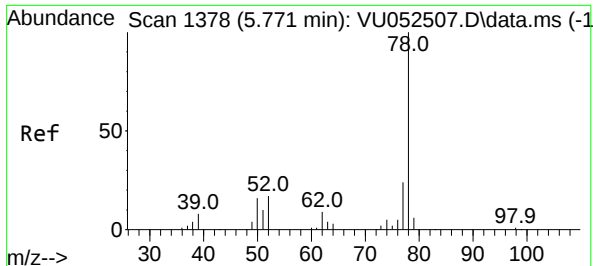
Tgt Ion: 96 Resp: 63617
Ion Ratio Lower Upper
96 100
61 159.4 108.3 201.1
98 62.8 44.0 81.6



#22
cis-1,2-Dichloroethene
Concen: 20.686 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

Tgt Ion: 96 Resp: 273561
Ion Ratio Lower Upper
96 100
61 142.8 96.9 180.1
98 63.8 44.7 83.1

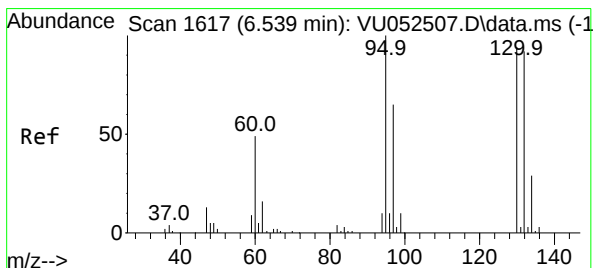
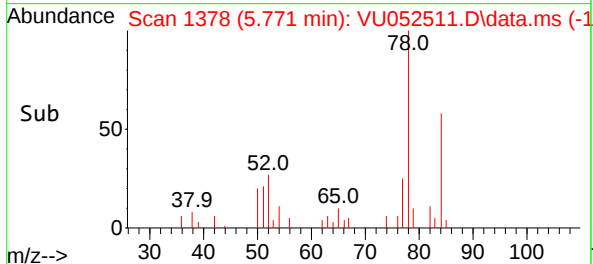
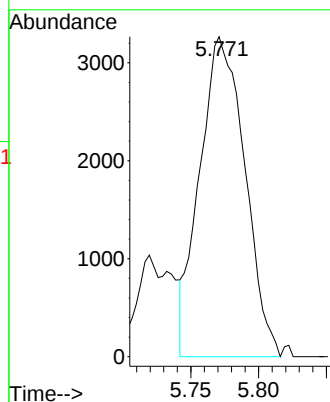
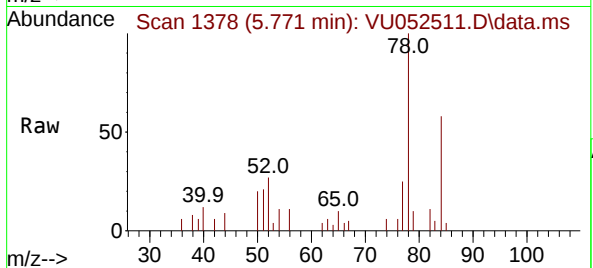




#33
Benzene
Concen: 0.137 ug/L
RT: 5.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

Instrument :
MSVOA_U
ClientSampleId :
GBQB2

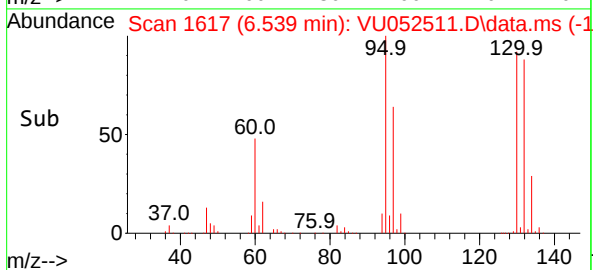
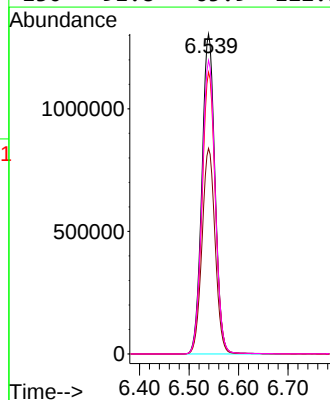
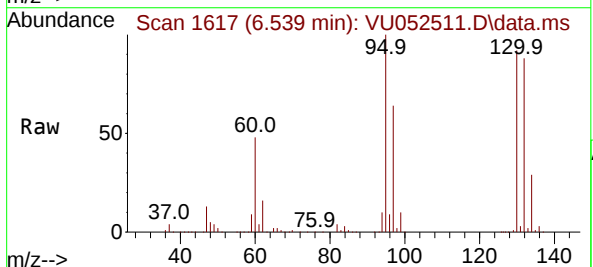
Tgt Ion: 78 Resp: 7549

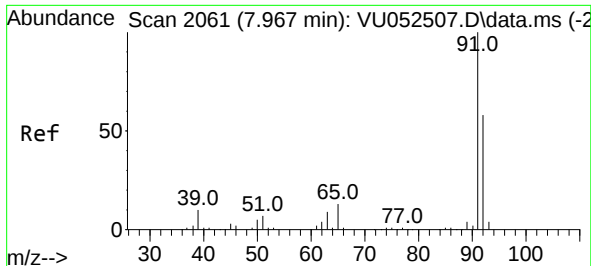


#34
Trichloroethene
Concen: 187.356 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

Tgt Ion: 95 Resp: 2408416

Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.3	86.1
132	88.0	63.9	118.7
130	91.8	65.9	122.5





#42

Toluene

Concen: 0.216 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU052511.D

Acq: 22 Dec 2022 23:15

Instrument :

MSVOA_U

ClientSampleId :

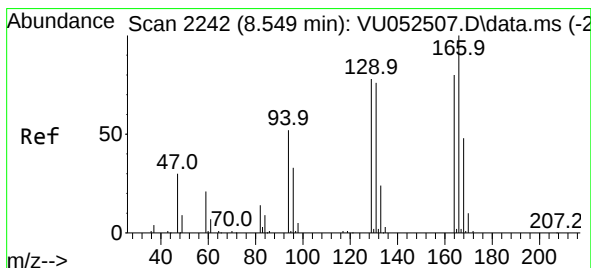
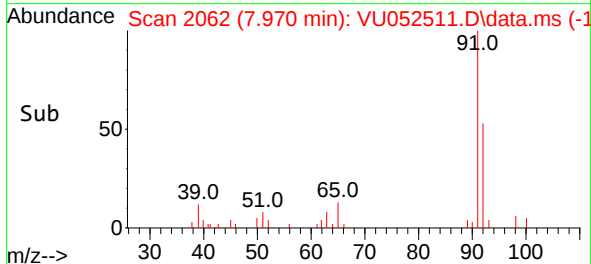
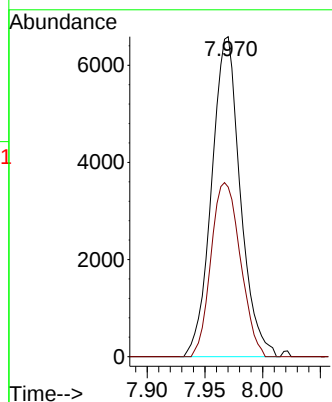
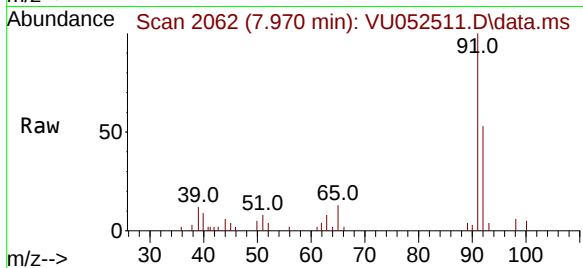
GBQB2

Tgt Ion: 91 Resp: 11387

Ion Ratio Lower Upper

91 100

92 53.0 40.6 75.4



#47

Tetrachloroethene

Concen: 249.222 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.003 min

Lab File: VU052511.D

Acq: 22 Dec 2022 23:15

Tgt Ion: 164 Resp: 2236269

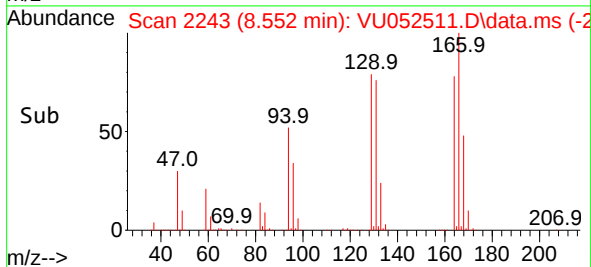
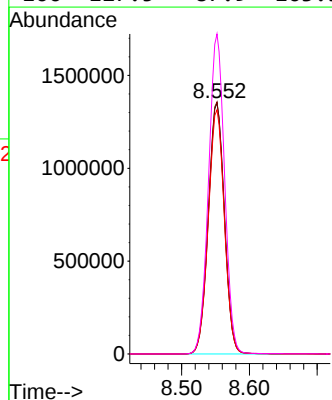
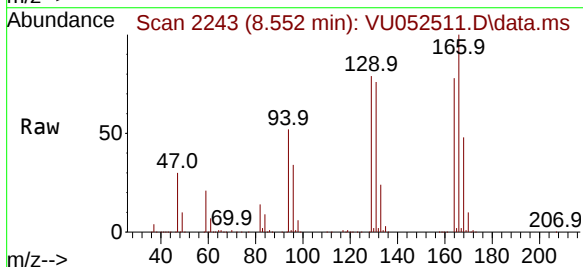
Ion Ratio Lower Upper

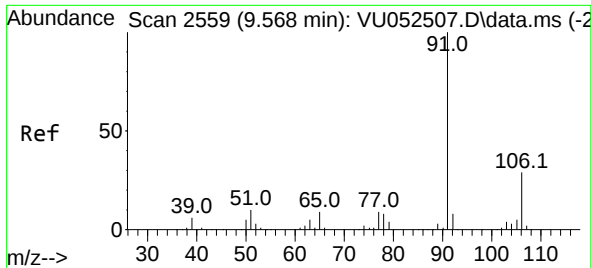
164 100

129 100.4 68.1 126.5

131 97.3 66.5 123.5

166 127.5 87.9 163.3

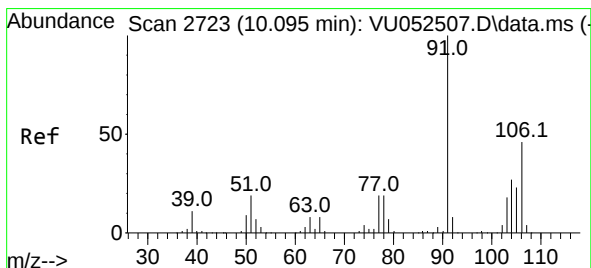
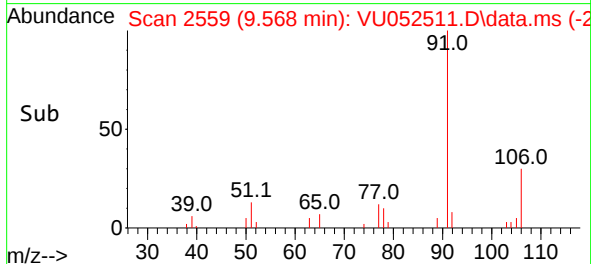
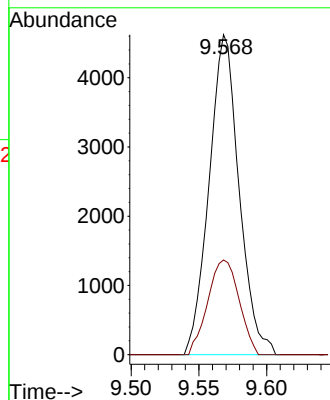
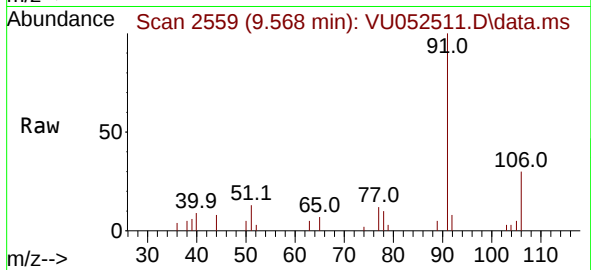




#52
Ethylbenzene
Concen: 0.130 ug/L
RT: 9.568 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

Instrument :
MSVOA_U
ClientSampleId :
GBQB2

Tgt Ion: 91 Resp: 7100
Ion Ratio Lower Upper
91 100
106 29.6 20.9 38.7



#54
o-Xylene
Concen: 0.132 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VU052511.D
Acq: 22 Dec 2022 23:15

Tgt Ion: 106 Resp: 2544
Ion Ratio Lower Upper
106 100
91 175.7 153.2 284.4

