

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112222\
 Data File : VU052079.D
 Acq On : 23 Nov 2022 09:20
 Operator : JC/MD
 Sample : N5760-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 10:16:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 19 21:39:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	238236	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	241330	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	95806	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	94180	4.064	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.200%
7) Chloroethane-d5	1.912	69	83902	4.661	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.565	65	35176	4.235	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.600%
20) 2-Butanone-d5	4.616	46	223610	53.235	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.460%
24) Chloroform-d	5.060	84	160046	4.700	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
26) 1,2-Dichloroethane-d4	5.700	65	89259	5.190	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.800%
32) Benzene-d6	5.726	84	363292	5.071	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
36) 1,2-Dichloropropane-d6	6.687	67	118332	5.337	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.800%
41) Toluene-d8	7.896	98	290890	4.487	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
43) trans-1,3-Dichloroprop...	8.176	79	39050	4.833	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.600%
46) 2-Hexanone-d5	8.629	63	177184	51.745	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.480%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	98757	5.137	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	103532	5.644	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	42677	1.647	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1015	0.058	ug/L #	20
12) 1,1-Dichloroethene	2.578	96	9996	0.578	ug/L #	1
13) Acetone	2.623	43	8452	2.963	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	3389	0.183	ug/L	74
19) 1,1-Dichloroethane	3.867	63	5281	0.158	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	517861	26.635	ug/L	98
25) Chloroform	5.086	83	13142	0.388	ug/L	91
34) Trichloroethene	6.539	95	5703608	291.156	ug/L	98
35) Methylcyclohexane	6.761	83	7276	0.258	ug/L #	69
37) 1,2-Dichloropropane	6.690	63	11930	0.587	ug/L #	88
40) 4-Methyl-2-pentanone	7.790	43	15666	1.475	ug/L #	87
42) Toluene	7.967	91	1321784	16.361	ug/L	100
52) Ethylbenzene	9.571	91	13661	0.174	ug/L	97
53) m,p-Xylene	9.693	106	16364	0.538	ug/L	97
54) o-Xylene	10.099	106	6989	0.240	ug/L	82
60) Isopropylbenzene	10.484	105	7917	0.132	ug/L	96
61) 1,2,3-Trichloropropane	11.809	75	11559	1.054	ug/L #	67

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QLast Update : Sat Nov 19 21:39:41 2022
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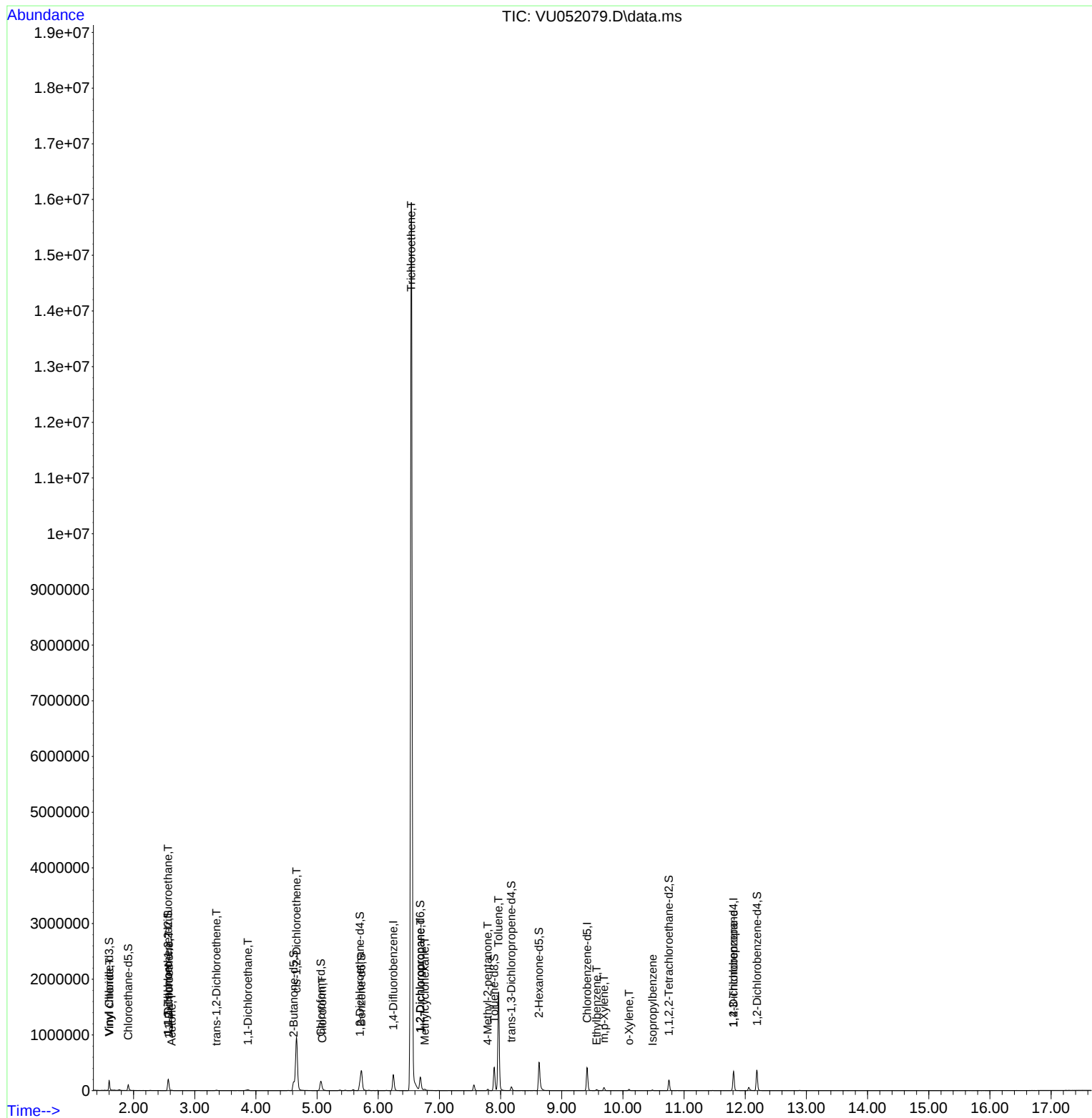
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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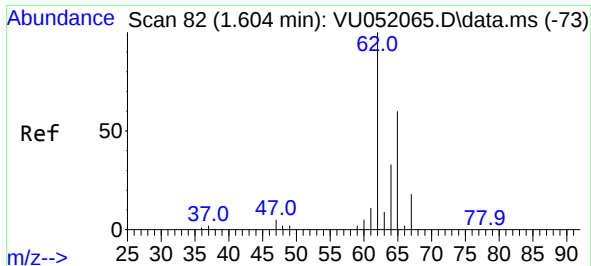
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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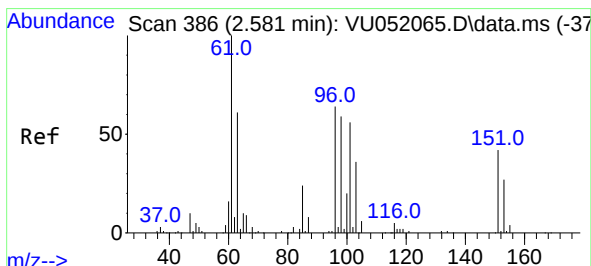
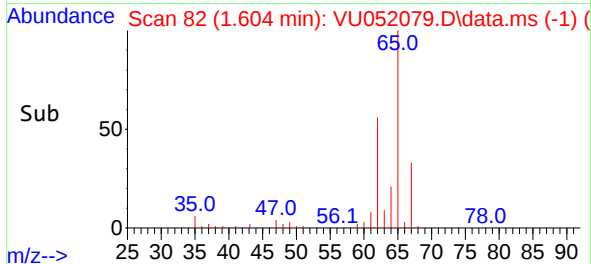
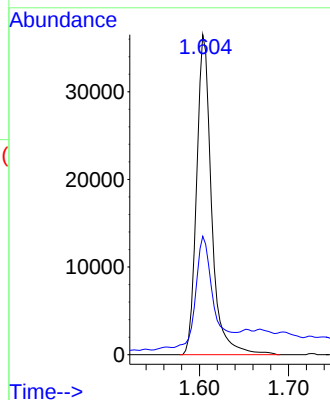
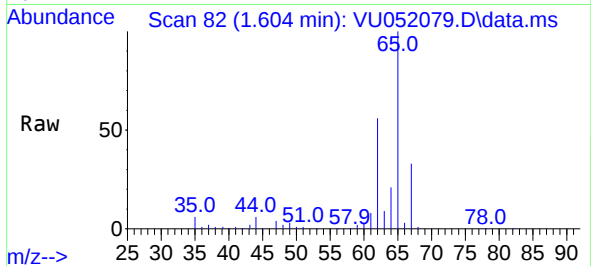




#5
 Vinyl chloride
 Concen: 1.647 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052079.D
 Acq: 23 Nov 2022 09:20

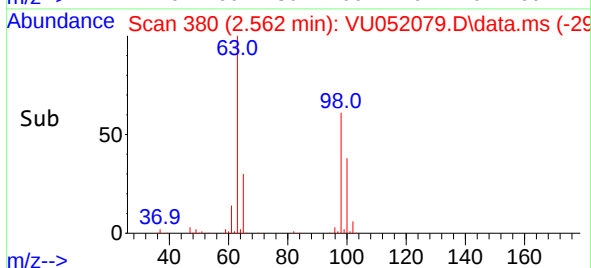
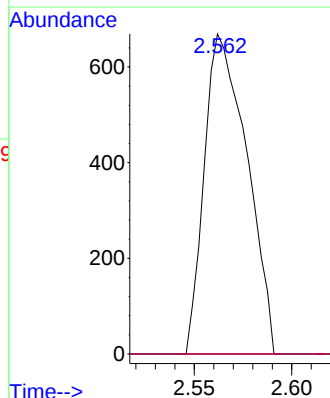
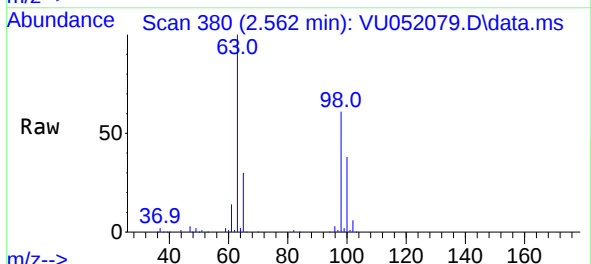
Instrument :
 MSVOA_U
 ClientSampleId :

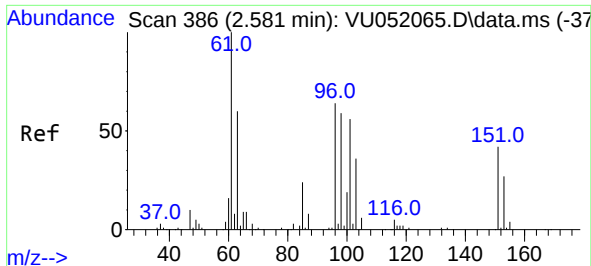
Tgt Ion: 62 Resp: 42677
 Ion Ratio Lower Upper
 62 100
 64 37.0 23.5 43.7



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.058 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.016 min
 Lab File: VU052079.D
 Acq: 23 Nov 2022 09:20

Tgt Ion: 101 Resp: 1015
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.8 50.6#
 151 0.0 58.6 88.0#





#12

1,1-Dichloroethene

Concen: 0.578 ug/L

RT: 2.578 min Scan# 386

Delta R.T. 0.000 min

Lab File: VU052079.D

Acq: 23 Nov 2022 09:20

Instrument :

MSVOA_U

ClientSampleId :

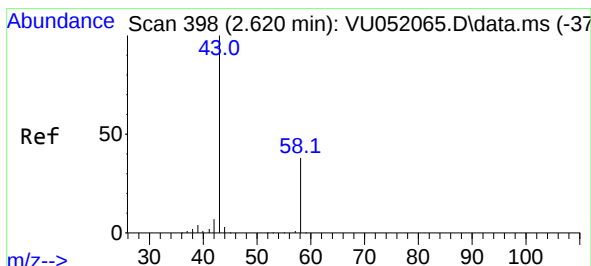
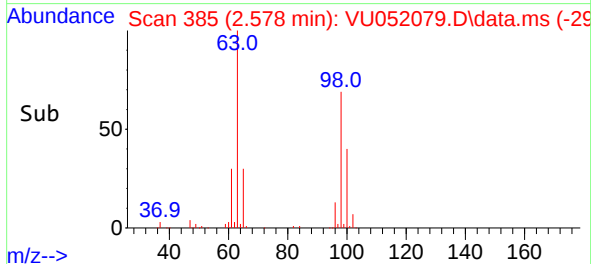
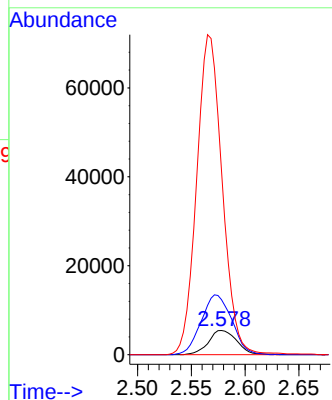
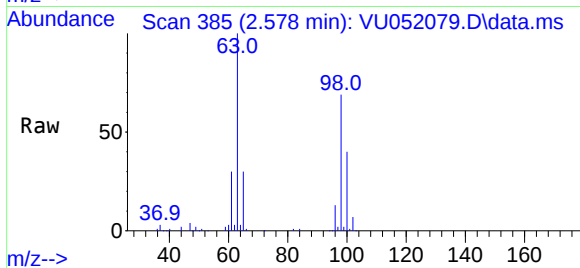
Tgt Ion: 96 Resp: 9996

Ion Ratio Lower Upper

96 100

61 227.3 114.8 213.2#

63 761.5 93.7 174.1#



#13

Acetone

Concen: 2.963 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.003 min

Lab File: VU052079.D

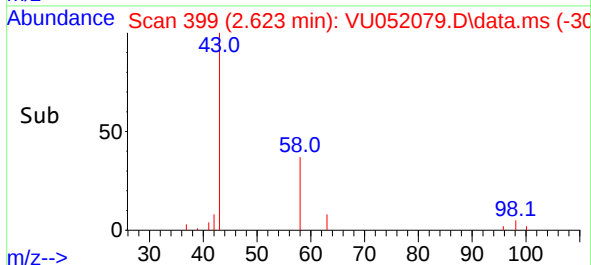
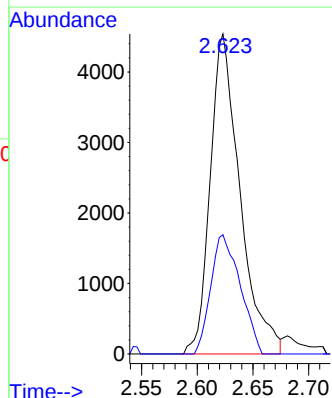
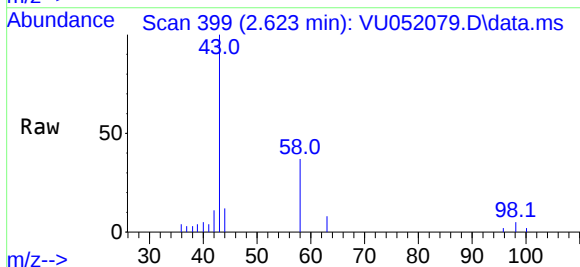
Acq: 23 Nov 2022 09:20

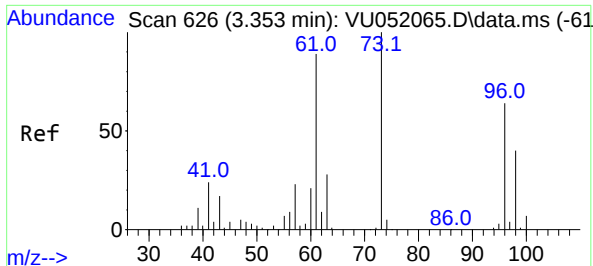
Tgt Ion: 43 Resp: 8452

Ion Ratio Lower Upper

43 100

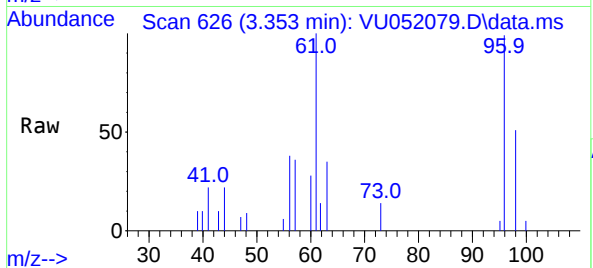
58 36.7 0.0 76.0





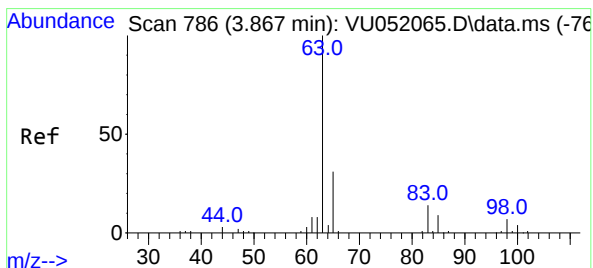
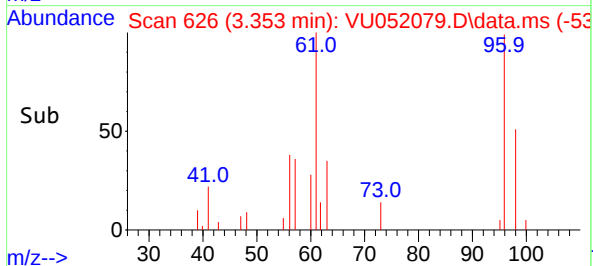
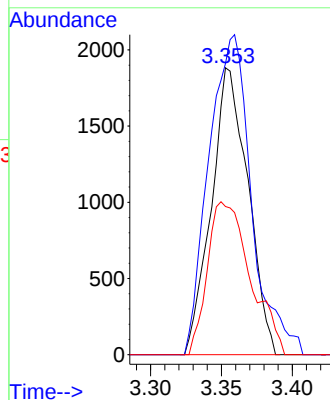
#18
trans-1,2-Dichloroethene
Concen: 0.183 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052079.D
Acq: 23 Nov 2022 09:20

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 3389

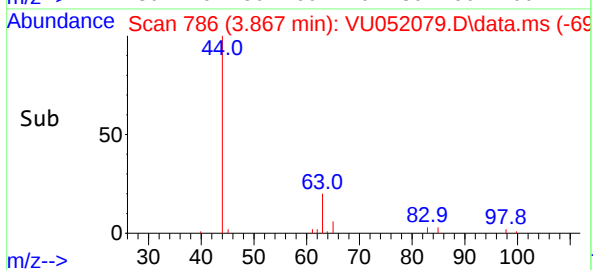
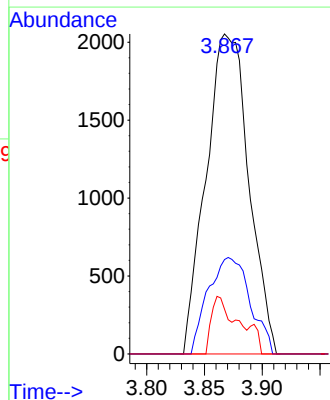
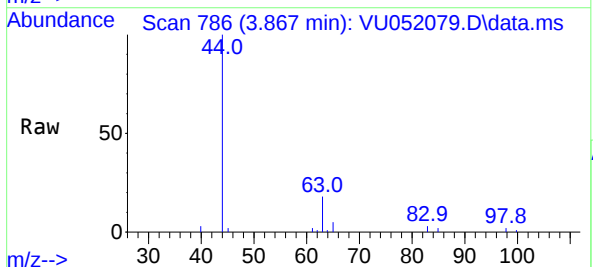
Ion	Ratio	Lower	Upper
96	100		
61	101.5	97.9	181.7
98	51.6	43.8	81.3

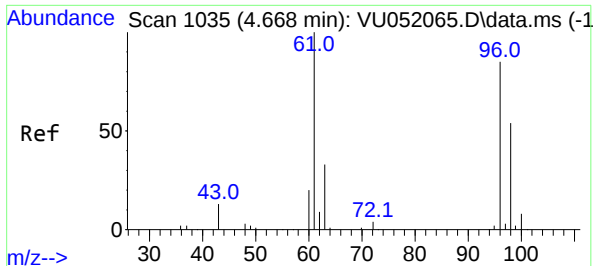


#19
1,1-Dichloroethane
Concen: 0.158 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052079.D
Acq: 23 Nov 2022 09:20

Tgt Ion: 63 Resp: 5281

Ion	Ratio	Lower	Upper
63	100		
65	29.5	22.2	41.2
83	14.0	9.2	17.0





#22

cis-1,2-Dichloroethene

Concen: 26.635 ug/L

RT: 4.665 min Scan# 110

Delta R.T. 0.000 min

Lab File: VU052079.D

Acq: 23 Nov 2022 09:20

Instrument :

MSVOA_U

ClientSampleId :

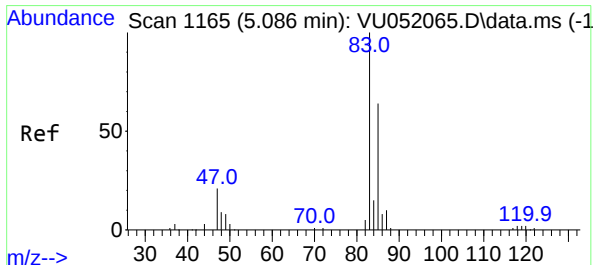
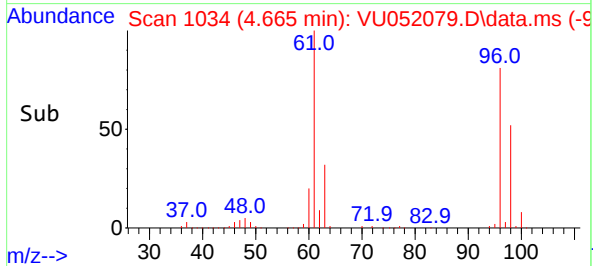
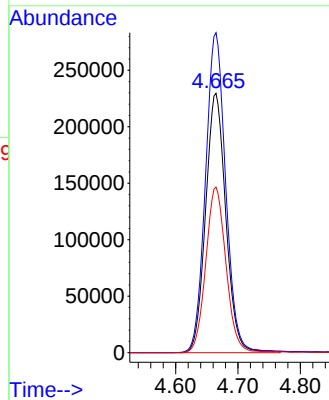
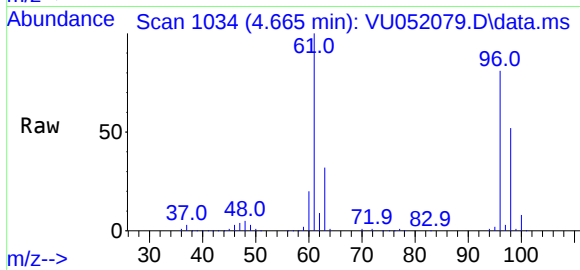
Tgt Ion: 96 Resp: 517861

Ion Ratio Lower Upper

96 100

61 123.3 85.1 158.1

98 63.9 42.8 79.6



#25

Chloroform

Concen: 0.388 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052079.D

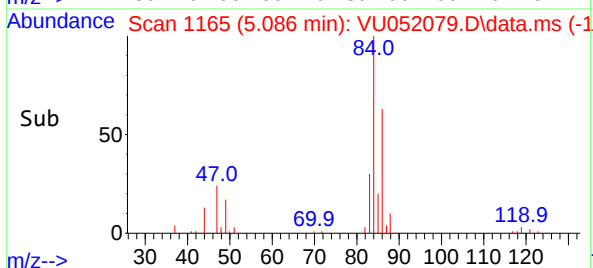
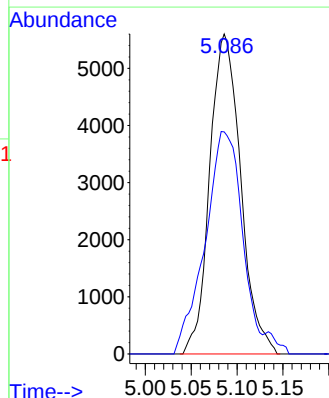
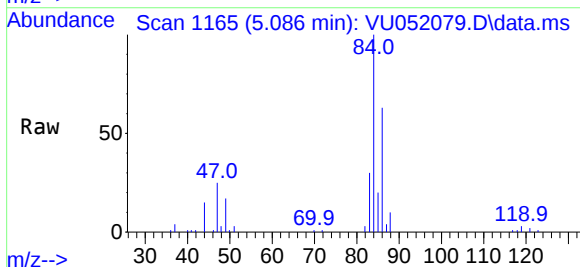
Acq: 23 Nov 2022 09:20

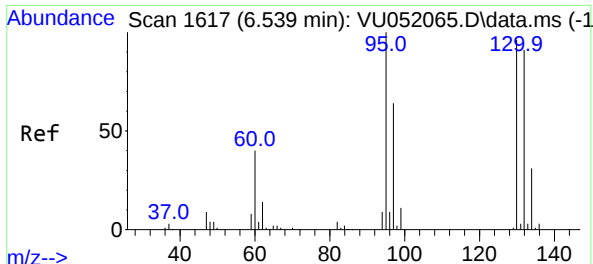
Tgt Ion: 83 Resp: 13142

Ion Ratio Lower Upper

83 100

85 69.4 43.8 81.4



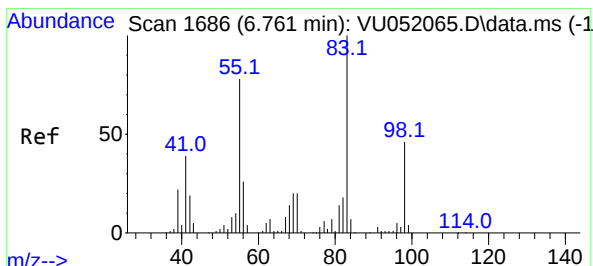
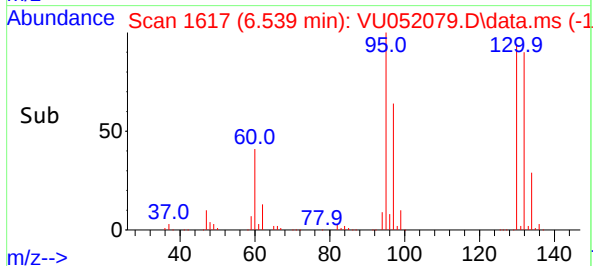
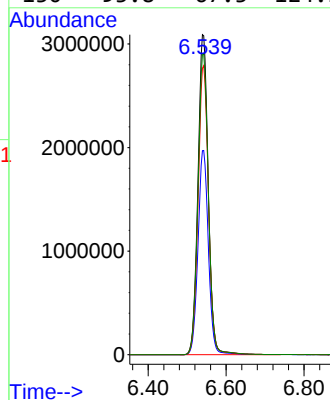
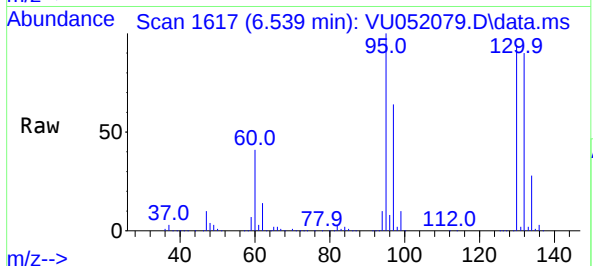


#34
Trichloroethene
Concen: 291.156 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052079.D
Acq: 23 Nov 2022 09:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 5703608

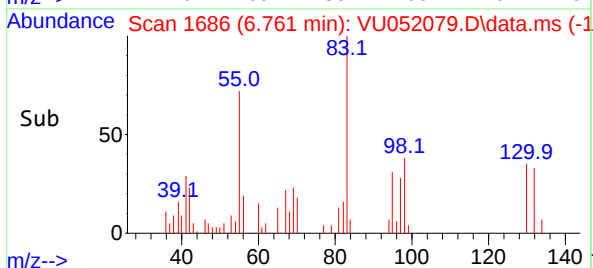
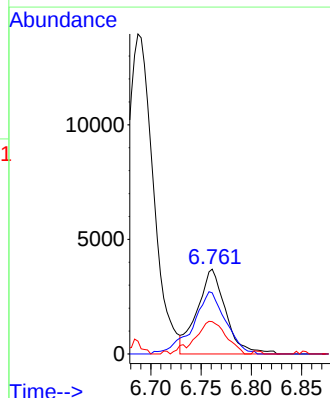
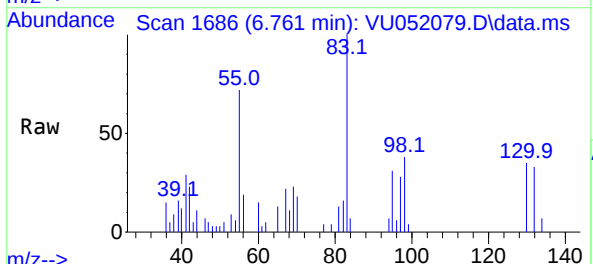
Ion	Ratio	Lower	Upper
95	100		
97	63.7	43.7	81.1
132	89.5	64.3	119.3
130	93.8	67.3	124.9

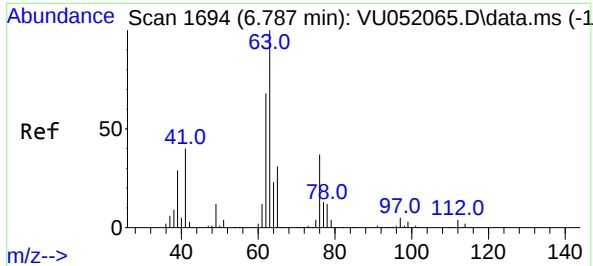


#35
Methylcyclohexane
Concen: 0.258 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052079.D
Acq: 23 Nov 2022 09:20

Tgt Ion: 83 Resp: 7276

Ion	Ratio	Lower	Upper
83	100		
55	84.1	60.8	91.2
98	0.0	35.1	52.7#

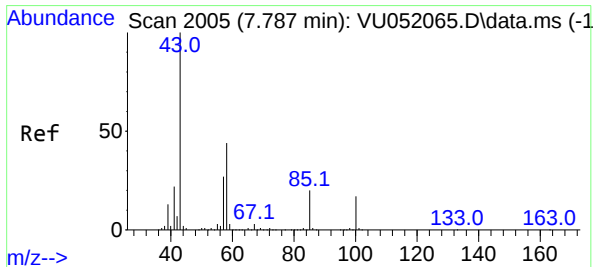
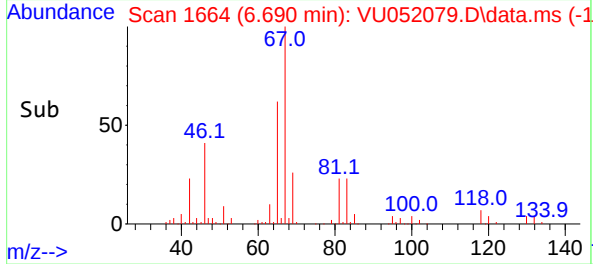
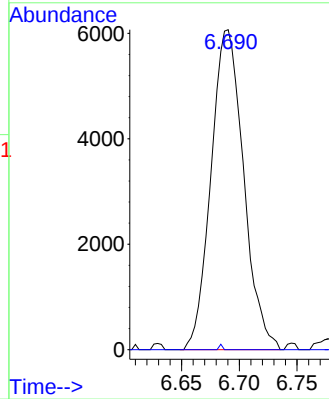
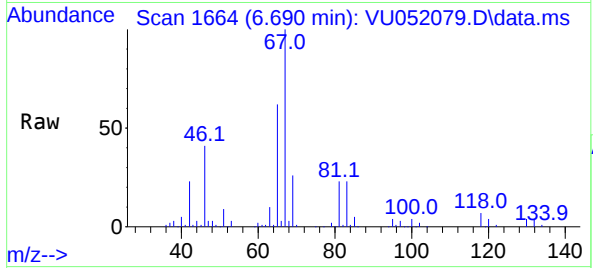




#37
1,2-Dichloropropane
Concen: 0.587 ug/L
RT: 6.690 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU052079.D
Acq: 23 Nov 2022 09:20

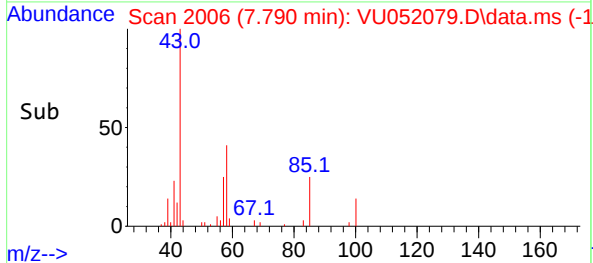
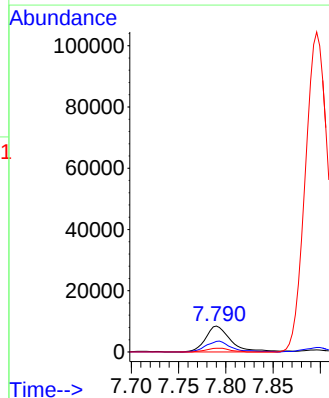
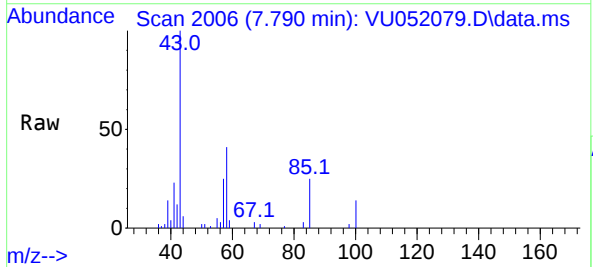
Instrument :
MSVOA_U
ClientSampleId :

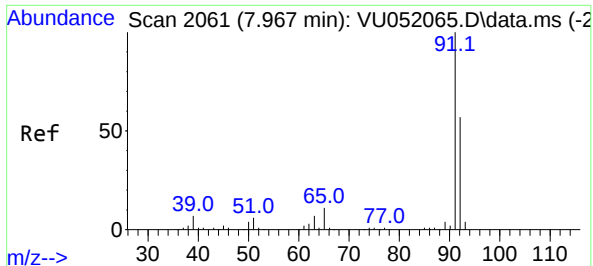
Tgt Ion: 63 Resp: 11930
Ion Ratio Lower Upper
63 100
112 0.2 3.3 4.9#



#40
4-Methyl-2-pentanone
Concen: 1.475 ug/L
RT: 7.790 min Scan# 2006
Delta R.T. 0.003 min
Lab File: VU052079.D
Acq: 23 Nov 2022 09:20

Tgt Ion: 43 Resp: 15666
Ion Ratio Lower Upper
43 100
58 42.0 35.3 52.9
100 0.0 13.6 20.4#





#42

Toluene

Concen: 16.361 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052079.D

Acq: 23 Nov 2022 09:20

Instrument :

MSVOA_U

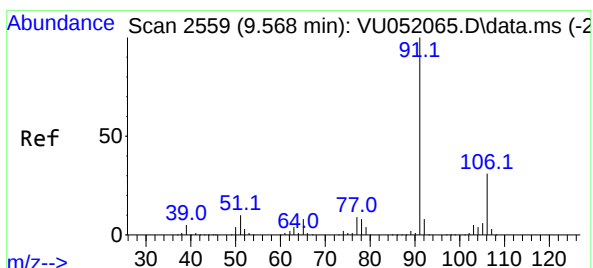
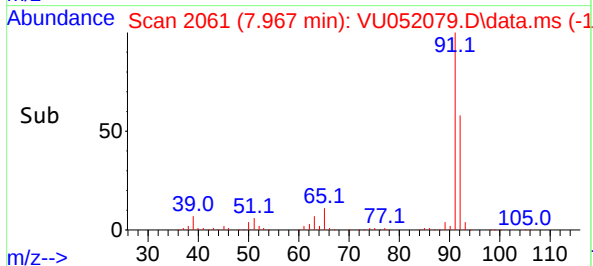
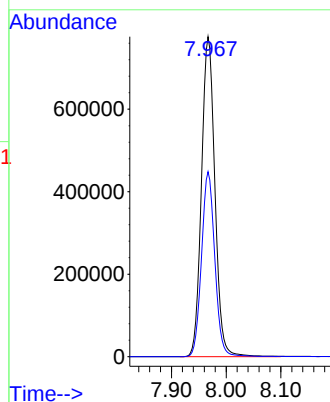
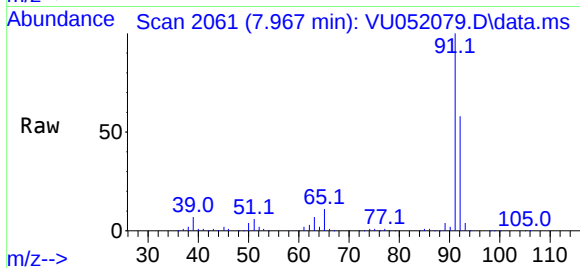
ClientSampleId :

Tgt Ion: 91 Resp: 1321784

Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.5



#52

Ethylbenzene

Concen: 0.174 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. 0.003 min

Lab File: VU052079.D

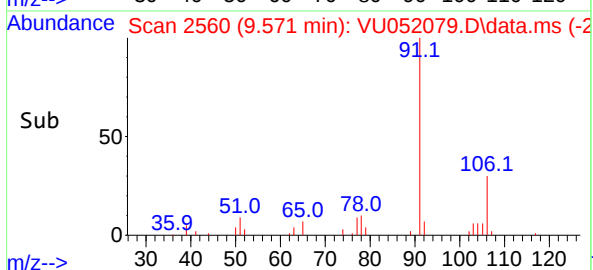
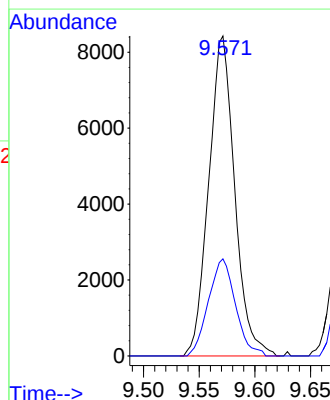
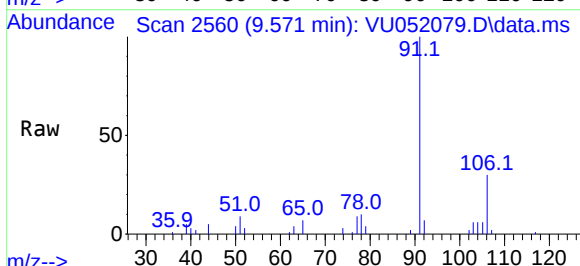
Acq: 23 Nov 2022 09:20

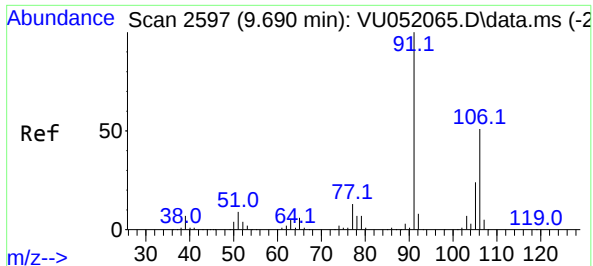
Tgt Ion: 91 Resp: 13661

Ion Ratio Lower Upper

91 100

106 30.3 22.3 41.3

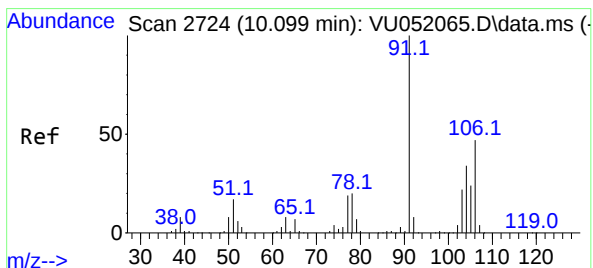
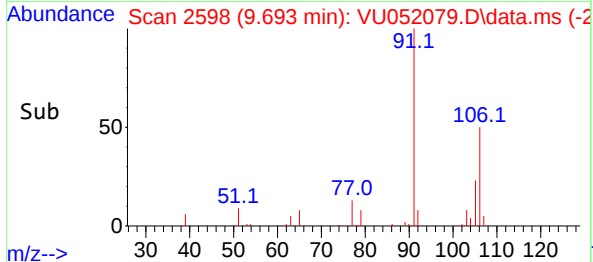
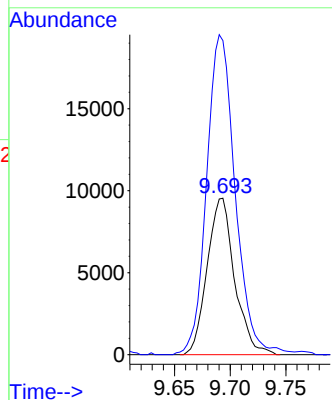
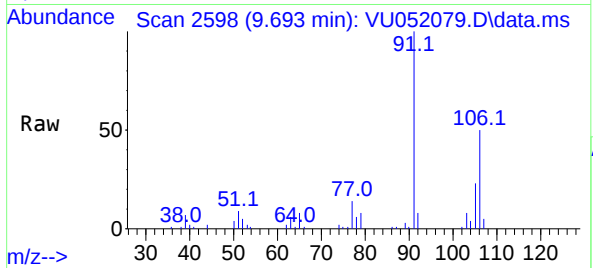




#53
m,p-Xylene
Concen: 0.538 ug/L
RT: 9.693 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052079.D
Acq: 23 Nov 2022 09:20

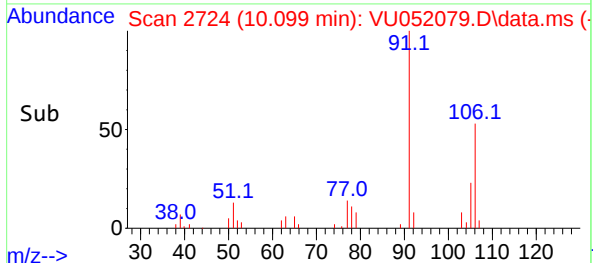
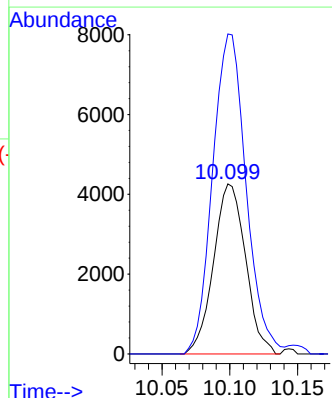
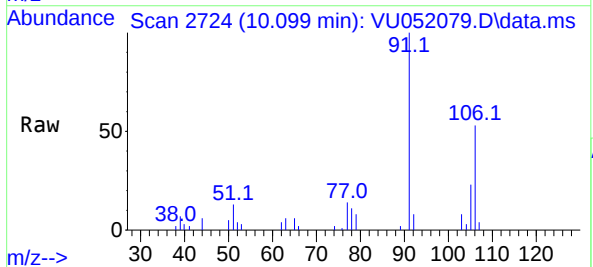
Instrument :
MSVOA_U
ClientSampleId :

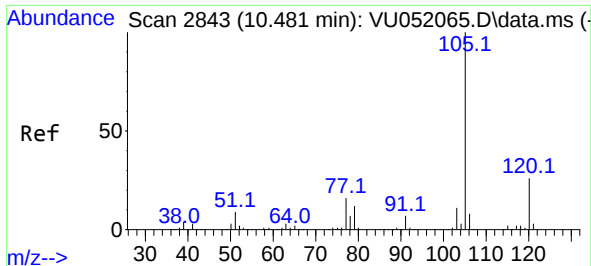
Tgt Ion:106 Resp: 16364
Ion Ratio Lower Upper
106 100
91 200.8 137.7 255.7



#54
o-Xylene
Concen: 0.240 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU052079.D
Acq: 23 Nov 2022 09:20

Tgt Ion:106 Resp: 6989
Ion Ratio Lower Upper
106 100
91 188.2 151.5 281.5

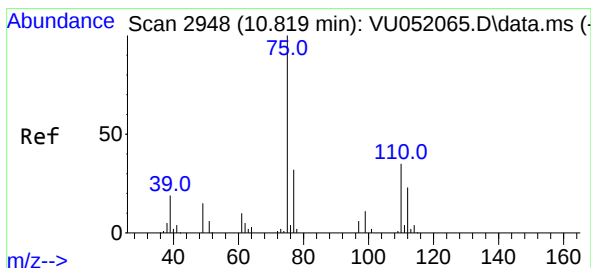
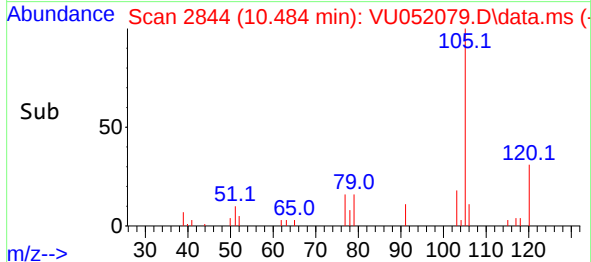
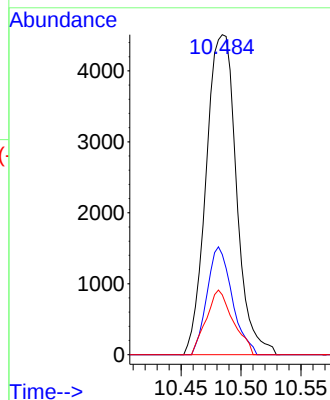
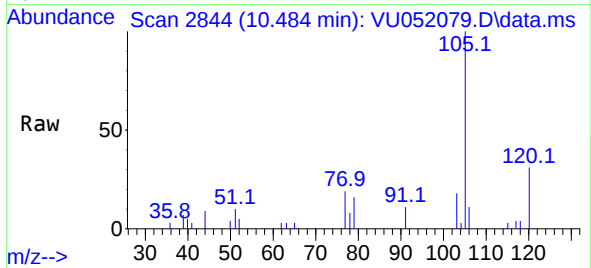




#60
Isopropylbenzene
Concen: 0.132 ug/L
RT: 10.484 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052079.D
Acq: 23 Nov 2022 09:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	105	Resp:	7917
Ion	Ratio	Lower	Upper
105	100		
120	28.0	21.0	31.6
77	17.9	12.5	18.7



#61
1,2,3-Trichloropropane
Concen: 1.054 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.990 min
Lab File: VU052079.D
Acq: 23 Nov 2022 09:20

Tgt Ion:	75	Resp:	11559
Ion	Ratio	Lower	Upper
75	100		
110	2.1	28.3	42.5#
77	36.8	26.2	39.2

