

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102822\
 Data File : VU051579.D
 Acq On : 28 Oct 2022 20:01
 Operator : JC/MD
 Sample : N5300-12DL2 400X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA78DL2

Quant Time: Oct 28 22:54:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 22:38:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	212121	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	219182	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	99493	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	72871	4.561	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.200%
7) Chloroethane-d5	1.913	69	81508	4.892	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.565	65	26936	4.646	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.000%
20) 2-Butanone-d5	4.629	46	298268	51.552	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.100%
24) Chloroform-d	5.060	84	181238	4.848	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.700	65	99226	4.913	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	5.726	84	330115	4.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.690	67	119729	4.950	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.896	98	227672	4.186	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	8.179	79	33416	4.519	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.400%
46) 2-Hexanone-d5	8.633	63	222772	50.041	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.080%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	107823	4.865	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	93017	5.094	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.601	62	2294	0.082	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1876	0.104	ug/L #	69
15) Methyl Acetate	3.038	43	1741	0.227	ug/L #	50
16) Methylene chloride	3.044	84	22784	0.754	ug/L	97
19) 1,1-Dichloroethane	3.871	63	9653	0.264	ug/L #	96
22) cis-1,2-Dichloroethene	4.665	96	45841	2.093	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	2073	0.070	ug/L #	90
33) Benzene	5.771	78	182978	2.115	ug/L	100
37) 1,2-Dichloropropane	6.687	63	12630	0.568	ug/L #	89
42) Toluene	7.967	91	879250	9.898	ug/L	99
51) Chlorobenzene	9.449	112	5263	0.094	ug/L	94
52) Ethylbenzene	9.568	91	80952	0.944	ug/L	99
53) m,p-Xylene	9.690	106	70651	2.122	ug/L	99
54) o-Xylene	10.099	106	24341	0.748	ug/L	97
60) Isopropylbenzene	10.485	105	5595	0.077	ug/L #	93
62) 1,3,5-Trimethylbenzene	11.086	105	16206	0.829	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	55344	0.982	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	3961	0.112	ug/L	93

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QLast Update : Fri Oct 28 22:38:21 2022
Response via : Initial Calibration

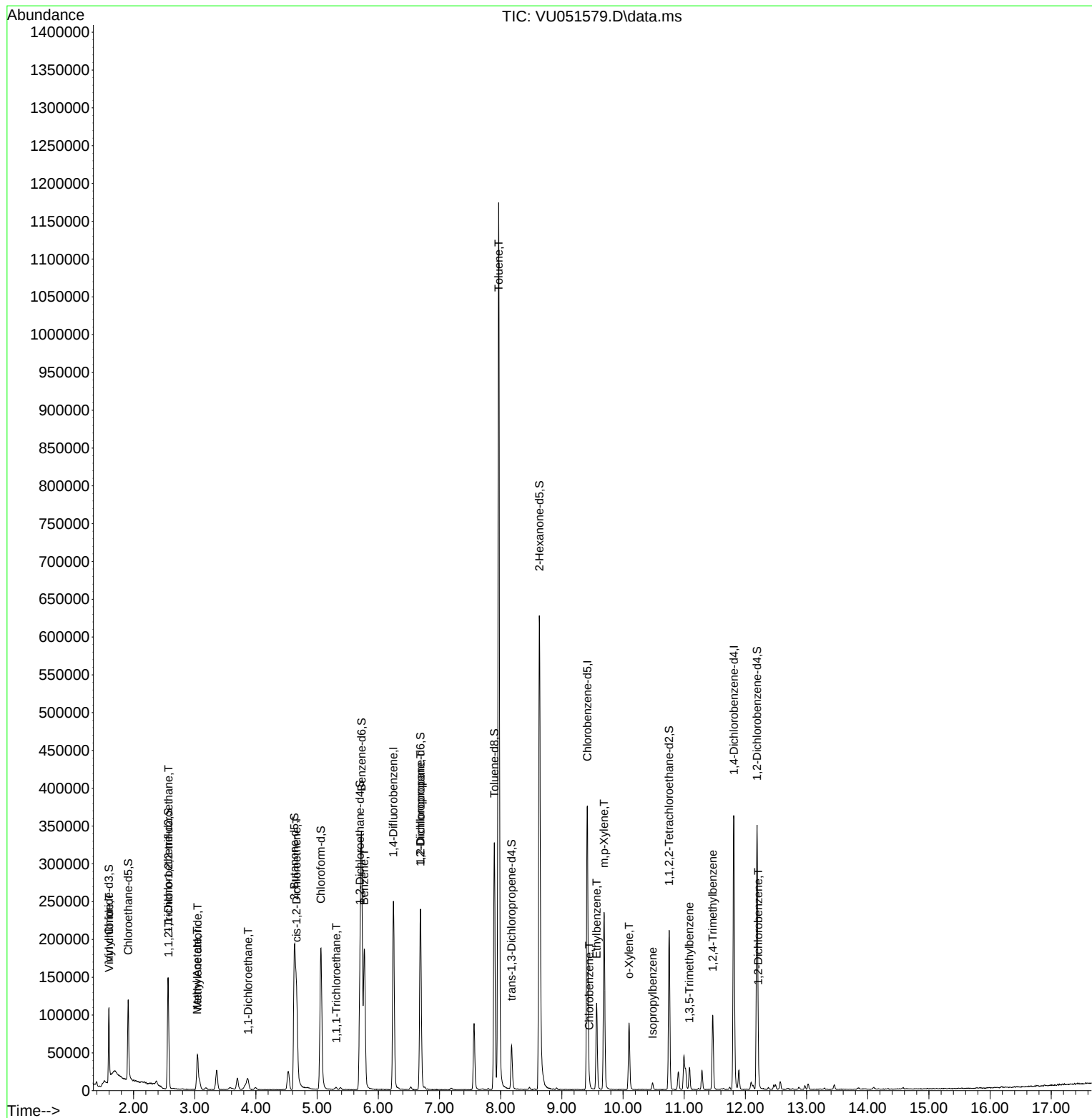
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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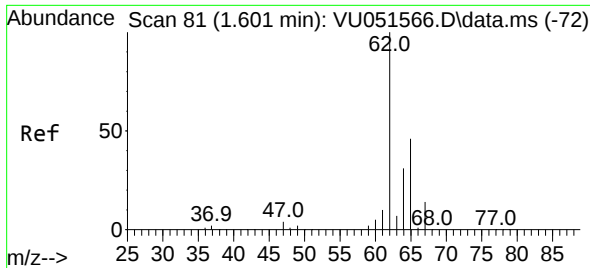
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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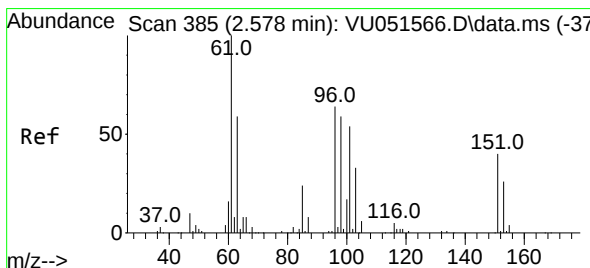
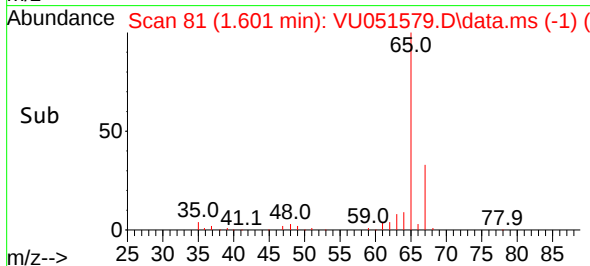
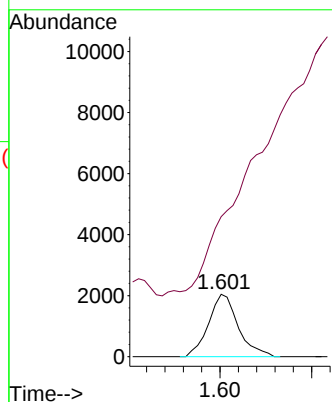
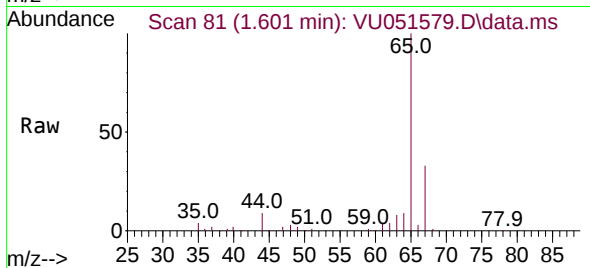




#5
 Vinyl chloride
 Concen: 0.082 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051579.D
 Acq: 28 Oct 2022 20:01

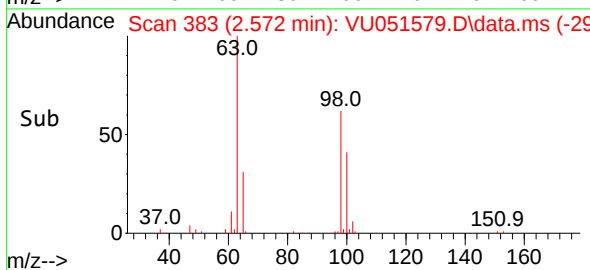
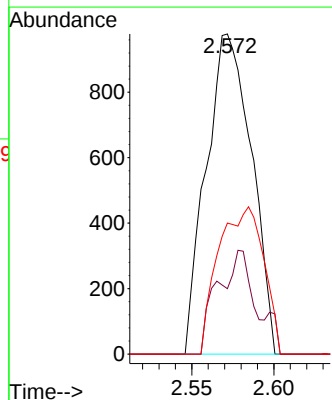
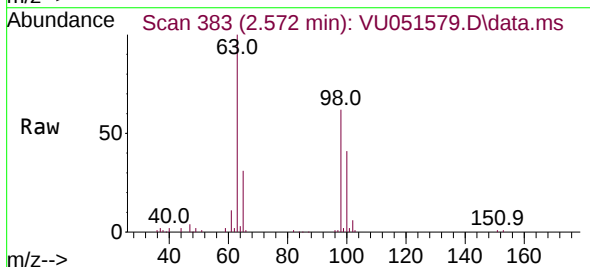
Instrument :
 MSVOA_U
 ClientSampleId :
 BHA78DL2

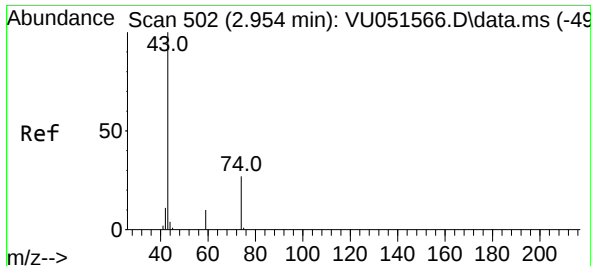
Tgt Ion: 62 Resp: 2294
 Ion Ratio Lower Upper
 62 100
 64 224.3 22.1 41.1#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.104 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.006 min
 Lab File: VU051579.D
 Acq: 28 Oct 2022 20:01

Tgt Ion: 101 Resp: 1876
 Ion Ratio Lower Upper
 101 100
 85 27.6 35.6 53.4#
 151 46.0 59.6 89.4#

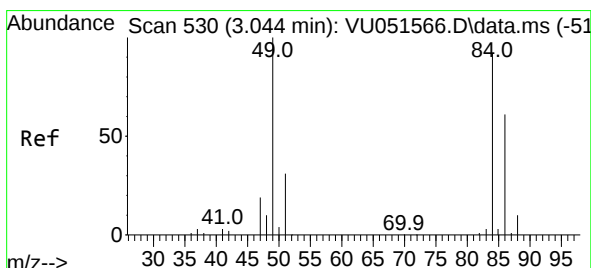
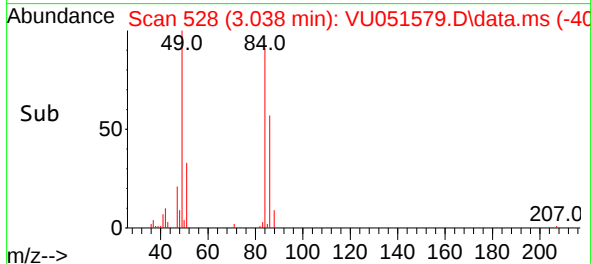
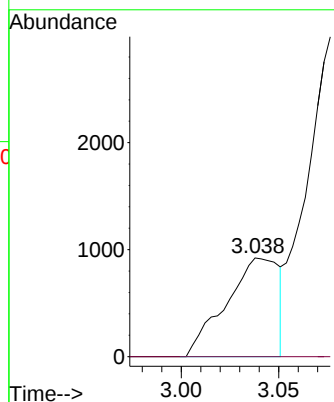
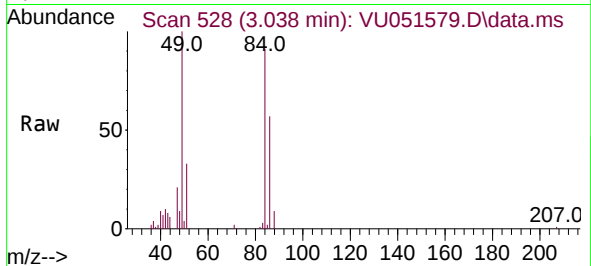




#15
Methyl Acetate
Concen: 0.227 ug/L
RT: 3.038 min Scan# 51
Delta R.T. 0.084 min
Lab File: VU051579.D
Acq: 28 Oct 2022 20:01

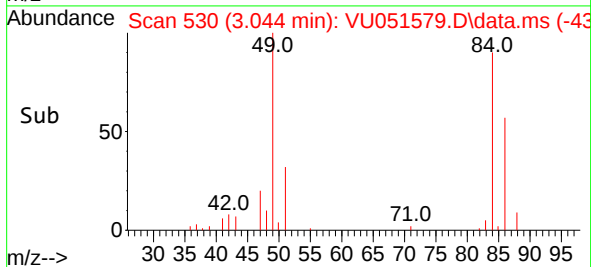
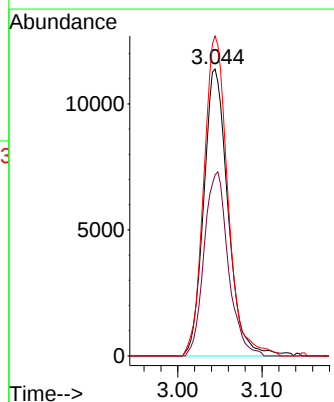
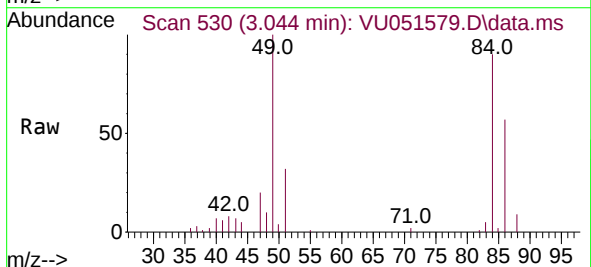
Instrument :
MSVOA_U
ClientSampleId :
BHA78DL2

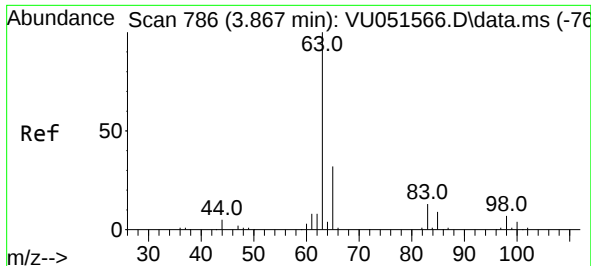
Tgt Ion: 43 Resp: 1741
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#16
Methylene chloride
Concen: 0.754 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051579.D
Acq: 28 Oct 2022 20:01

Tgt Ion: 84 Resp: 22784
Ion Ratio Lower Upper
84 100
86 63.0 46.3 85.9
49 111.5 76.0 141.2





#19

1,1-Dichloroethane

Concen: 0.264 ug/L

RT: 3.871 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU051579.D

Acq: 28 Oct 2022 20:01

Instrument :

MSVOA_U

ClientSampleId :

BHA78DL2

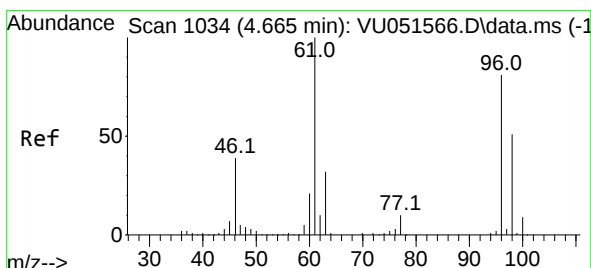
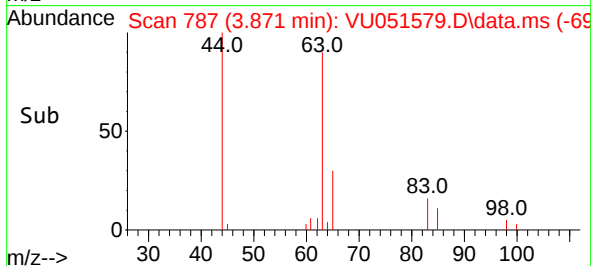
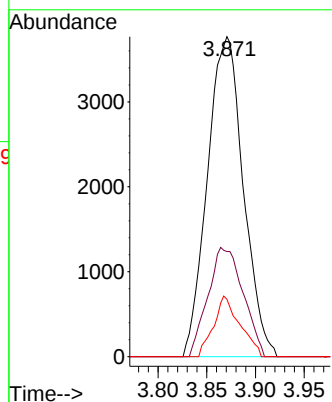
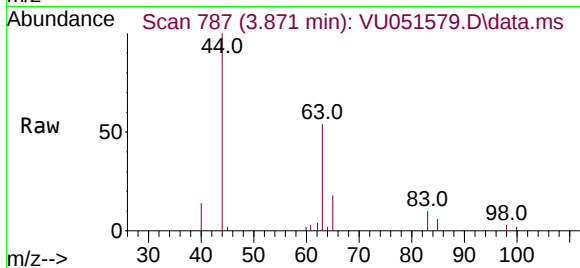
Tgt Ion: 63 Resp: 9653

Ion Ratio Lower Upper

63 100

65 32.8 22.7 42.1

83 18.0 9.2 17.0#



#22

cis-1,2-Dichloroethene

Concen: 2.093 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051579.D

Acq: 28 Oct 2022 20:01

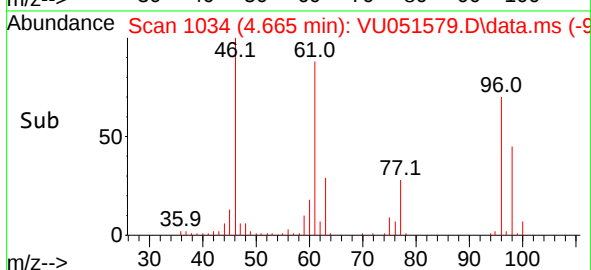
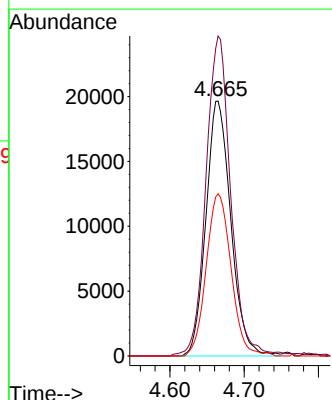
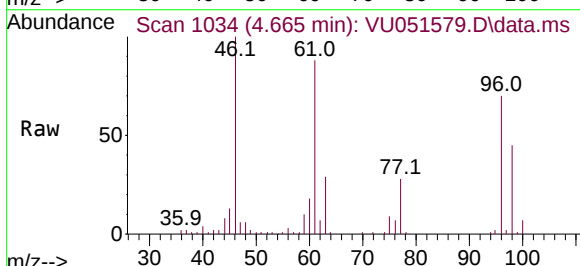
Tgt Ion: 96 Resp: 45841

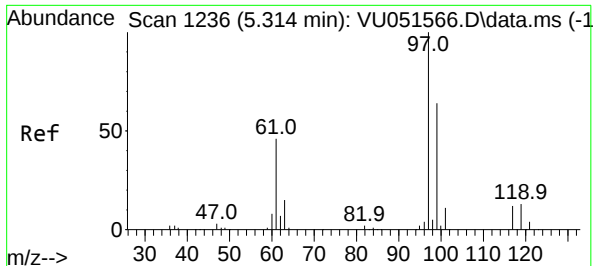
Ion Ratio Lower Upper

96 100

61 125.5 86.4 160.4

98 63.7 44.2 82.2





#29

1,1,1-Trichloroethane

Concen: 0.070 ug/L

RT: 5.314 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU051579.D

Acq: 28 Oct 2022 20:01

Instrument :

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ClientSampleId :

BHA78DL2

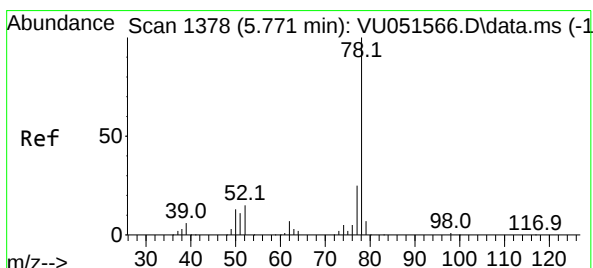
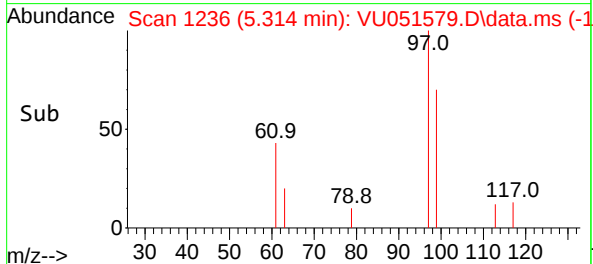
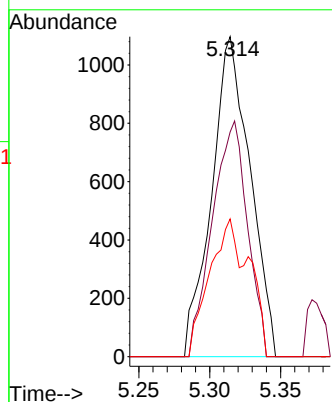
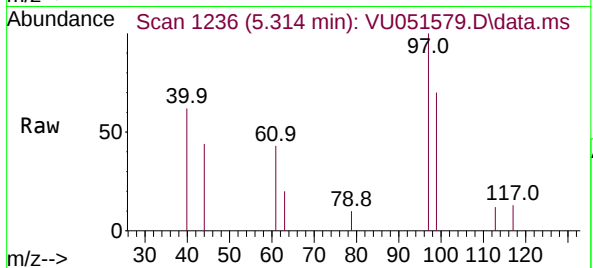
Tgt Ion: 97 Resp: 2073

Ion Ratio Lower Upper

97 100

99 67.3 51.1 76.7

61 34.2 37.4 56.0#



#33

Benzene

Concen: 2.115 ug/L

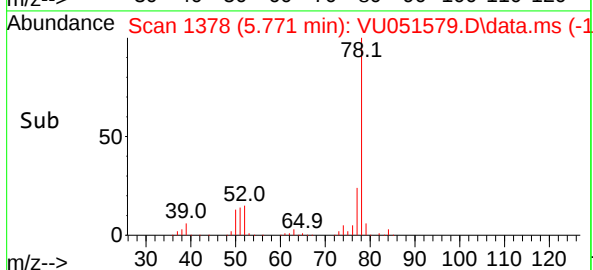
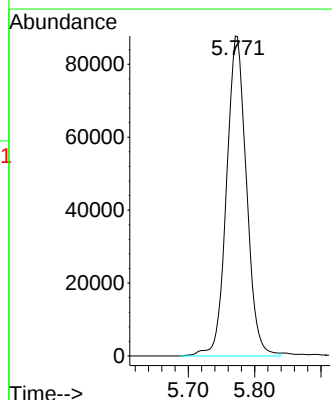
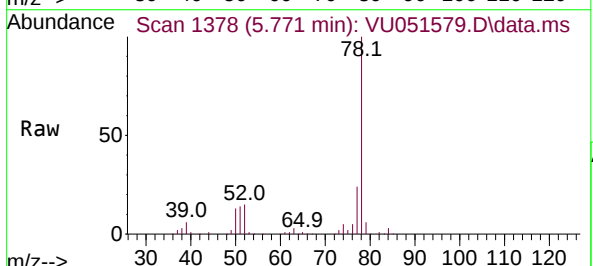
RT: 5.771 min Scan# 1378

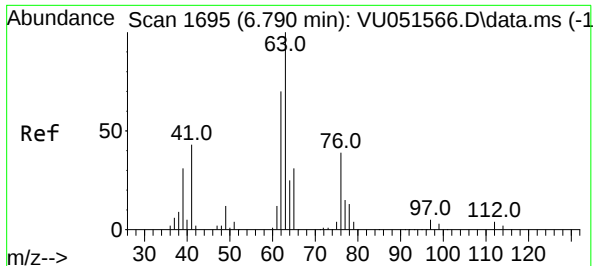
Delta R.T. 0.000 min

Lab File: VU051579.D

Acq: 28 Oct 2022 20:01

Tgt Ion: 78 Resp: 182978





#37

1,2-Dichloropropane

Concen: 0.568 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU051579.D

Acq: 28 Oct 2022 20:01

Instrument :

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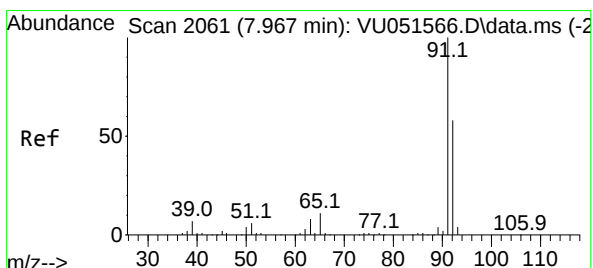
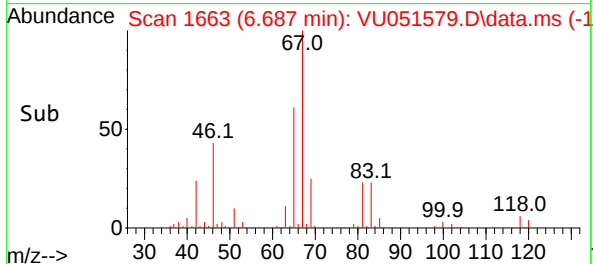
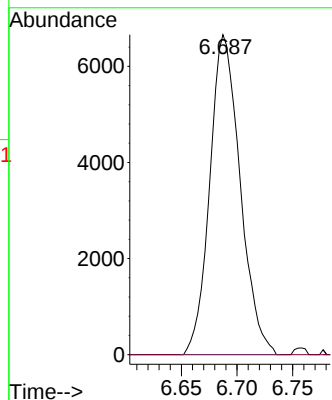
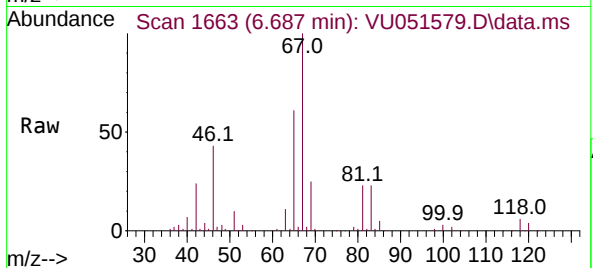
BHA78DL2

Tgt Ion: 63 Resp: 12630

Ion Ratio Lower Upper

63 100

112 0.4 3.3 4.9#



#42

Toluene

Concen: 9.898 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051579.D

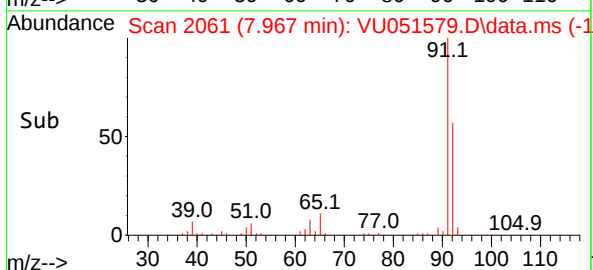
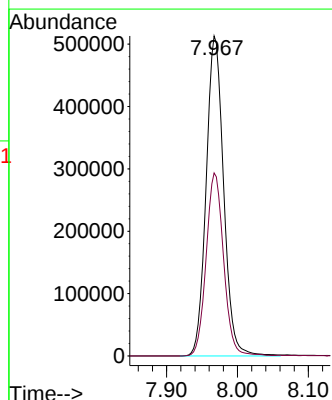
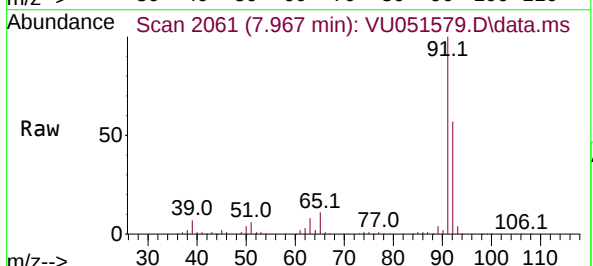
Acq: 28 Oct 2022 20:01

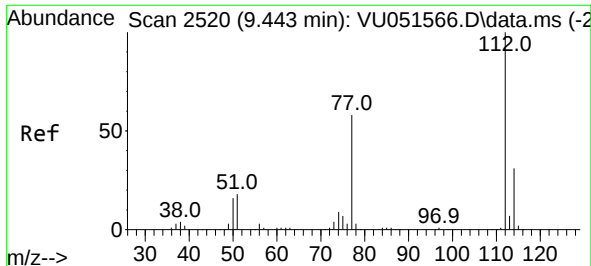
Tgt Ion: 91 Resp: 879250

Ion Ratio Lower Upper

91 100

92 57.2 40.5 75.3

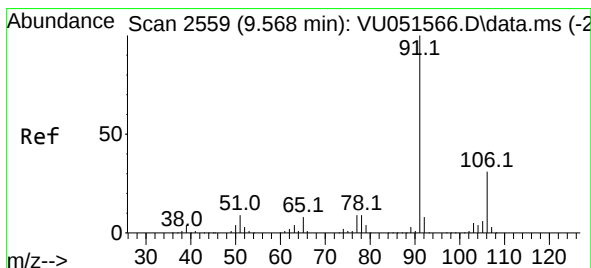
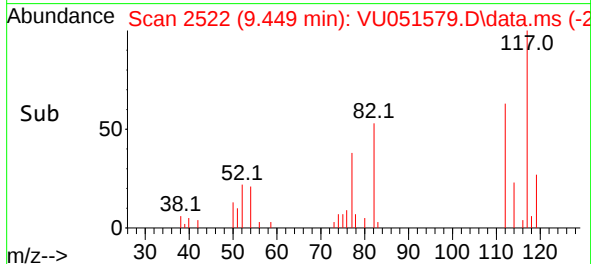
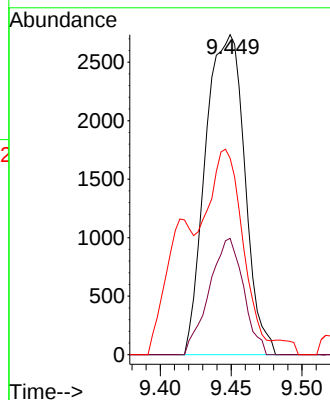
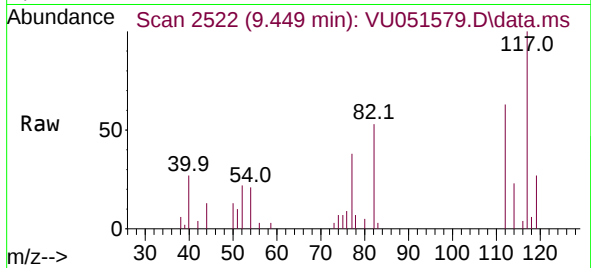




#51
Chlorobenzene
Concen: 0.094 ug/L
RT: 9.449 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU051579.D
Acq: 28 Oct 2022 20:01

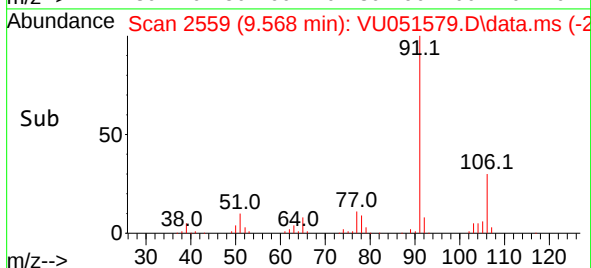
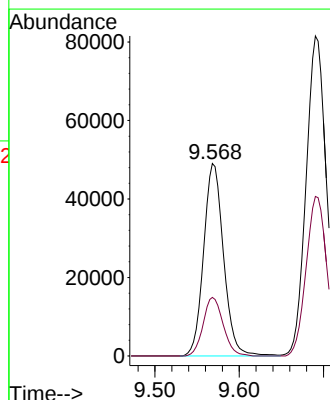
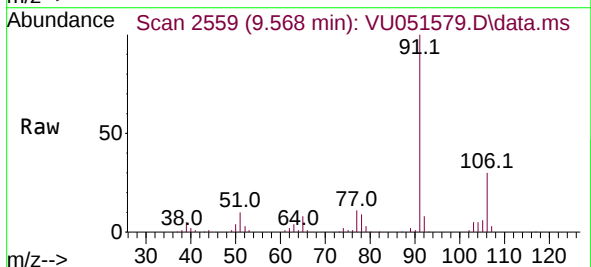
Instrument :
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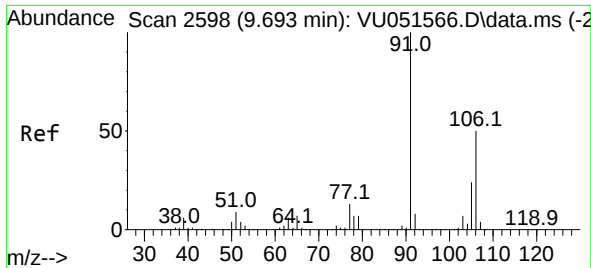
Tgt Ion:112 Resp: 5263
Ion Ratio Lower Upper
112 100
114 36.3 22.0 40.8
77 61.4 46.7 70.1



#52
Ethylbenzene
Concen: 0.944 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051579.D
Acq: 28 Oct 2022 20:01

Tgt Ion: 91 Resp: 80952
Ion Ratio Lower Upper
91 100
106 30.4 21.8 40.6

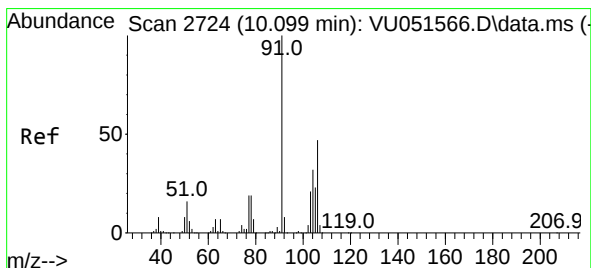
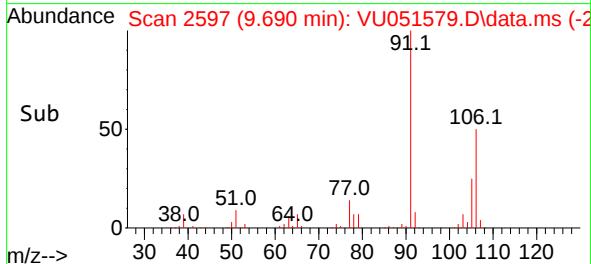
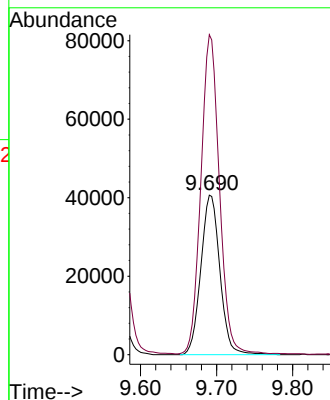
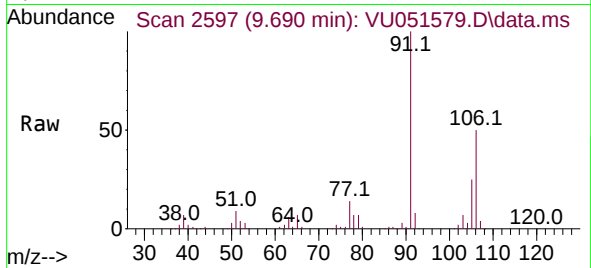




#53
m,p-Xylene
Concen: 2.122 ug/L
RT: 9.690 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU051579.D
Acq: 28 Oct 2022 20:01

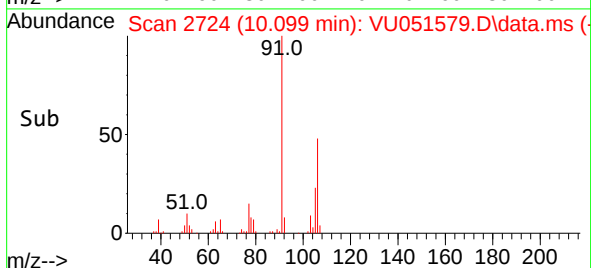
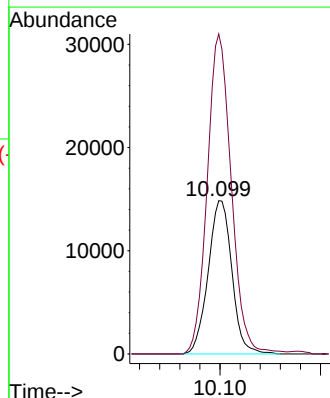
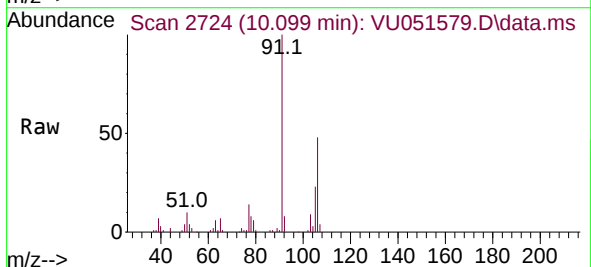
Instrument :
MSVOA_U
ClientSampleId :
BHA78DL2

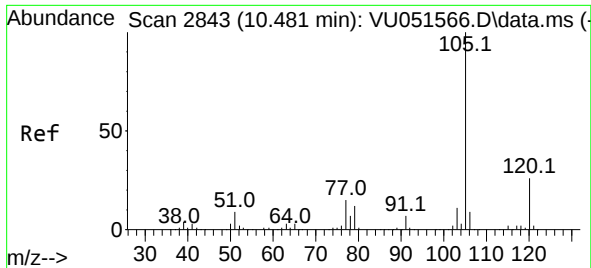
Tgt Ion:106 Resp: 70651
Ion Ratio Lower Upper
106 100
91 200.6 139.4 259.0



#54
o-Xylene
Concen: 0.748 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051579.D
Acq: 28 Oct 2022 20:01

Tgt Ion:106 Resp: 24341
Ion Ratio Lower Upper
106 100
91 208.8 149.2 277.2

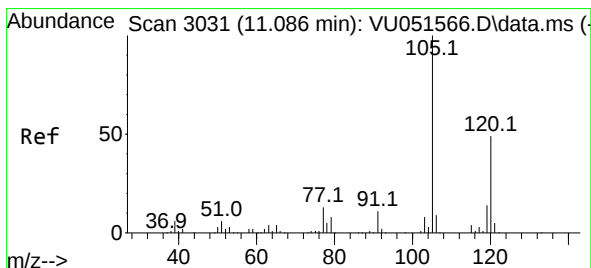
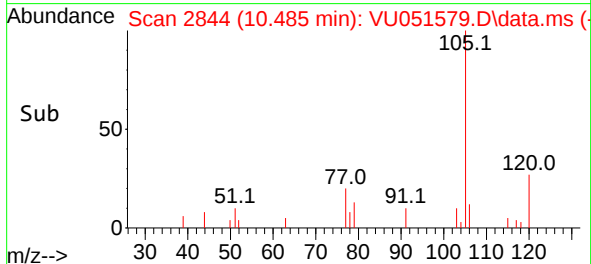
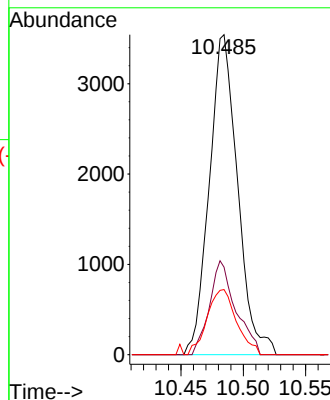
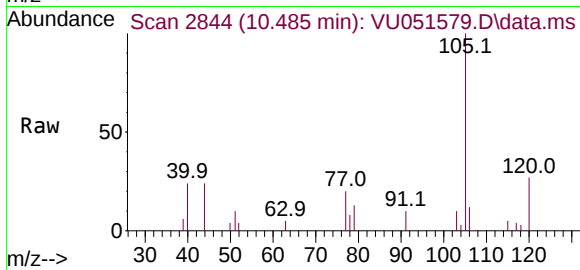




#60
Isopropylbenzene
Concen: 0.077 ug/L
RT: 10.485 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU051579.D
Acq: 28 Oct 2022 20:01

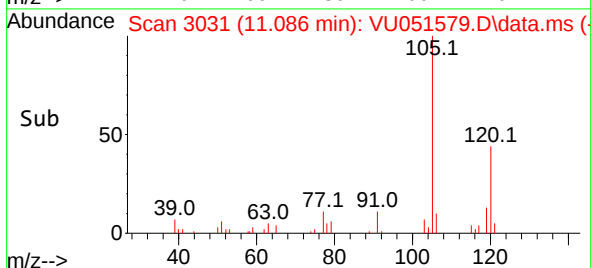
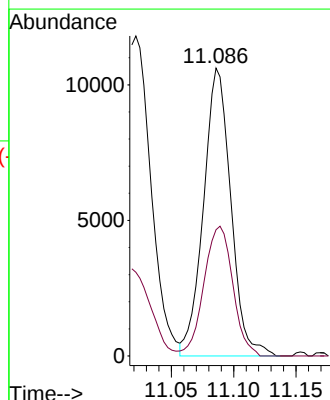
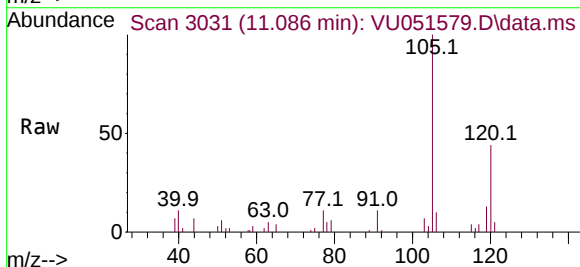
Instrument :
MSVOA_U
ClientSampleId :
BHA78DL2

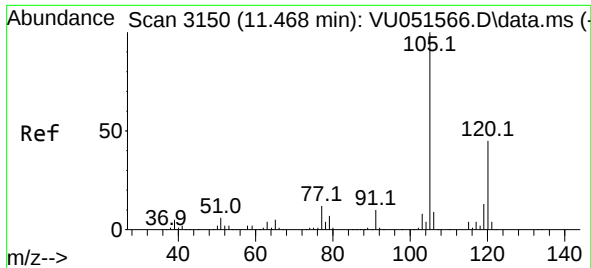
Tgt Ion:105 Resp: 5595
Ion Ratio Lower Upper
105 100
120 27.2 20.9 31.3
77 21.2 12.3 18.5#



#62
1,3,5-Trimethylbenzene
Concen: 0.829 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU051579.D
Acq: 28 Oct 2022 20:01

Tgt Ion:105 Resp: 16206
Ion Ratio Lower Upper
105 100
120 47.6 38.6 57.8

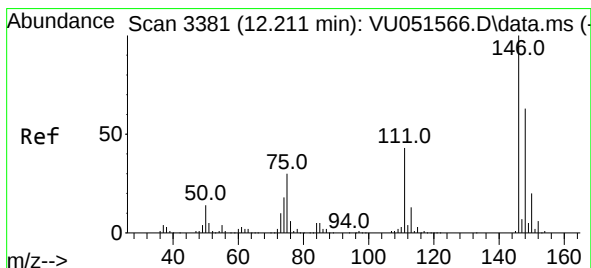
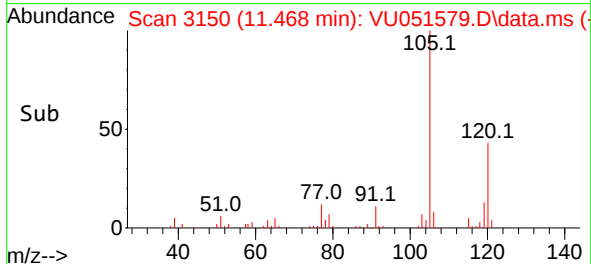
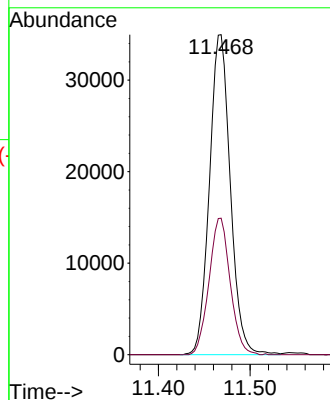
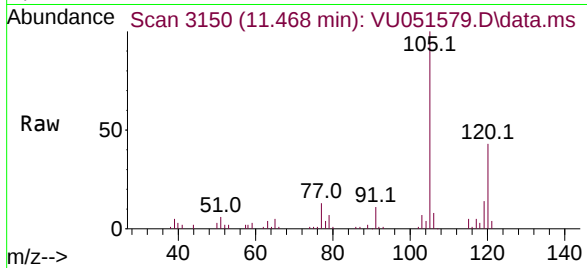




#63
1,2,4-Trimethylbenzene
Concen: 0.982 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU051579.D
Acq: 28 Oct 2022 20:01

Instrument :
MSVOA_U
ClientSampleId :
BHA78DL2

Tgt Ion:105 Resp: 55344
Ion Ratio Lower Upper
105 100
120 43.1 35.8 53.6



#67
1,2-Dichlorobenzene
Concen: 0.112 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051579.D
Acq: 28 Oct 2022 20:01

Tgt Ion:146 Resp: 3961
Ion Ratio Lower Upper
146 100
111 39.8 34.2 51.2
148 55.6 50.1 75.1

