

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
 Data File : VU051672.D
 Acq On : 01 Nov 2022 23:36
 Operator : JC/MD
 Sample : N5319-08DL 40X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 02 04:07:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 02 03:06:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	200845	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	207653	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	99002	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79156	5.233	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.600%
7) Chloroethane-d5	1.909	69	69665	4.416	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.400%
11) 1,1-Dichloroethene-d2	2.565	65	31331	5.707	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.200%
20) 2-Butanone-d5	4.620	46	187129	34.159	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.320%
24) Chloroform-d	5.060	84	145929	4.123	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
26) 1,2-Dichloroethane-d4	5.700	65	78851	4.124	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.400%
32) Benzene-d6	5.726	84	303401	4.630	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
36) 1,2-Dichloropropane-d6	6.687	67	99977	4.363	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.200%
41) Toluene-d8	7.896	98	244131	4.737	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	8.179	79	31272	4.463	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.629	63	156177	37.029	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.060%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	84839	4.040	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	92857	5.110	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	5063	0.191	ug/L #	1
8) Chloroethane	1.932	64	6445	0.400	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1081	0.063	ug/L #	24
16) Methylene chloride	3.044	84	6684	0.234	ug/L	96
22) cis-1,2-Dichloroethene	4.668	96	10237	0.494	ug/L	97
27) 1,2-Dichloroethane	5.774	62	10841	0.491	ug/L #	75
33) Benzene	5.771	78	1363583	16.640	ug/L	100
37) 1,2-Dichloropropane	6.687	63	9811	0.465	ug/L #	88
42) Toluene	7.967	91	1586805	18.855	ug/L	99
51) Chlorobenzene	9.446	112	129717	2.449	ug/L	99
52) Ethylbenzene	9.568	91	159032	1.958	ug/L	100
53) m,p-Xylene	9.690	106	285443	9.050	ug/L	100
54) o-Xylene	10.099	106	81601	2.647	ug/L	99
55) Styrene	10.099	104	5447	0.106	ug/L #	1
60) Isopropylbenzene	10.996	105	31923	0.442	ug/L	92
62) 1,3,5-Trimethylbenzene	11.086	105	13938	0.716	ug/L	96
63) 1,2,4-Trimethylbenzene	11.468	105	53890	0.961	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	5592	0.155	ug/L	94
67) 1,2-Dichlorobenzene	12.211	146	4530	0.129	ug/L	93

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 02 03:06:15 2022
Response via : Initial Calibration

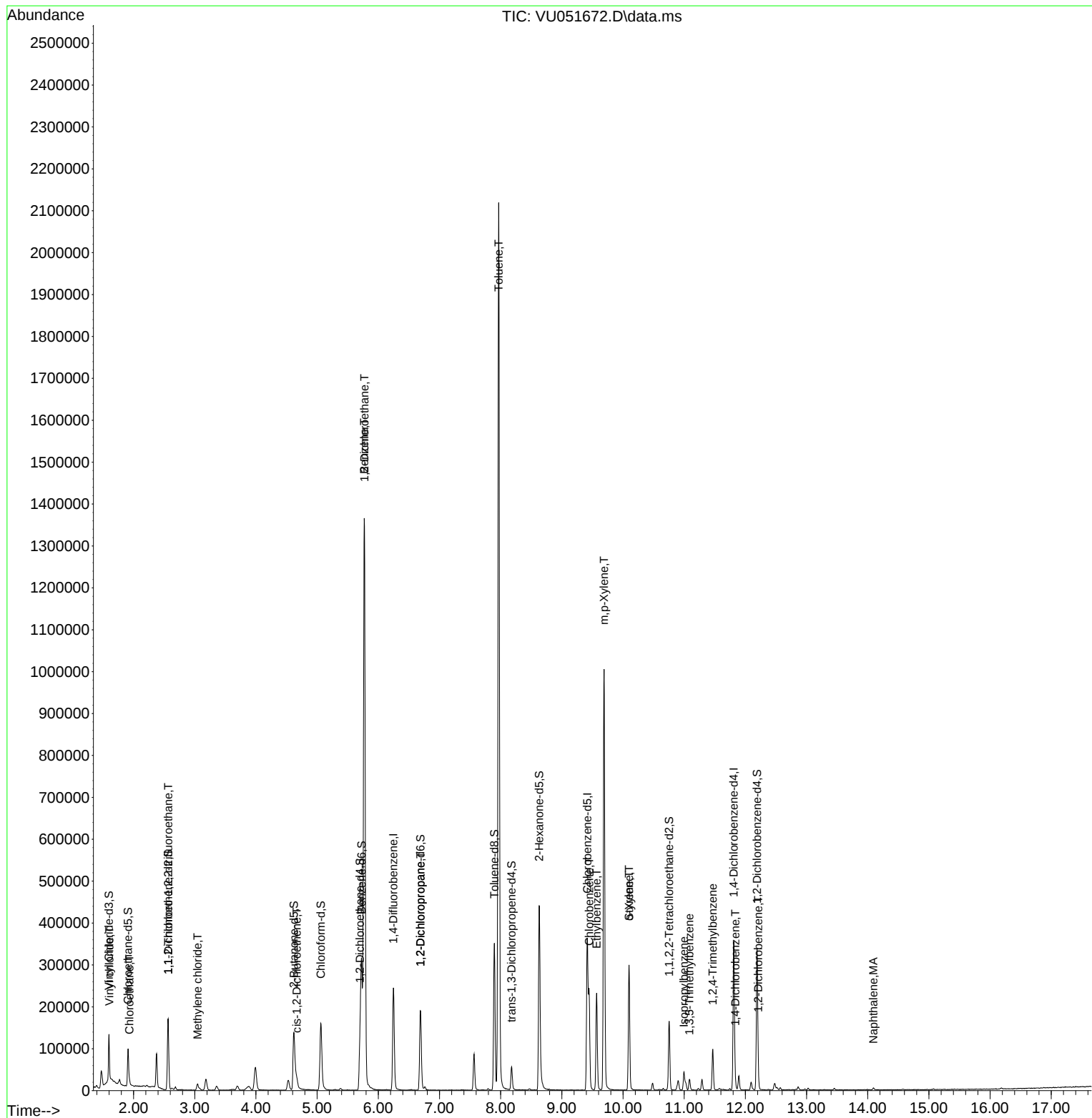
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.092	128	5044	0.137	ug/L	# 92

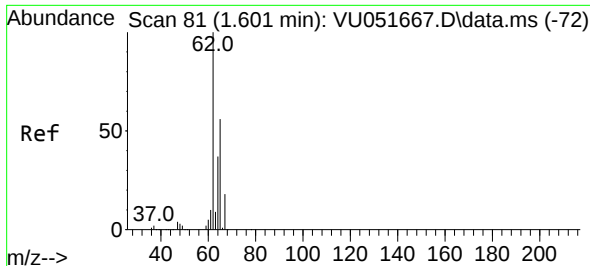
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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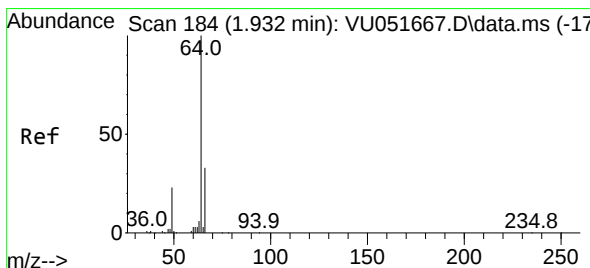
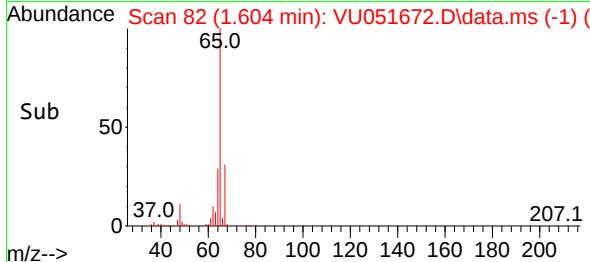
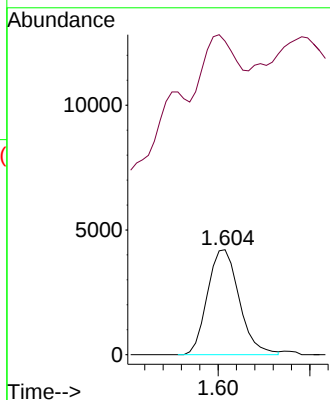
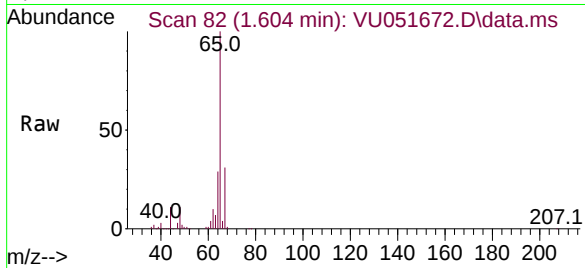




#5
 Vinyl chloride
 Concen: 0.191 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU051672.D
 Acq: 01 Nov 2022 23:36

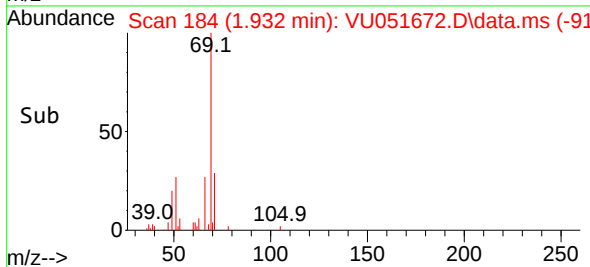
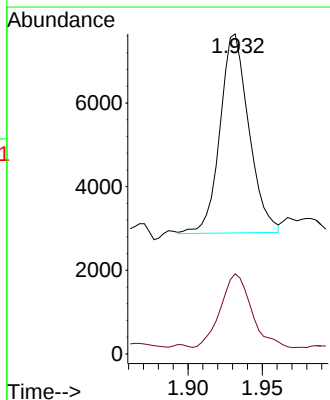
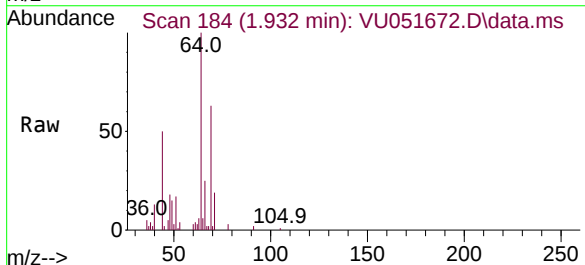
Instrument :
 MSVOA_U
 ClientSampleId :

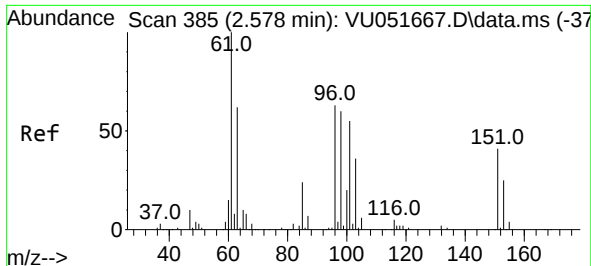
Tgt Ion: 62 Resp: 5063
 Ion Ratio Lower Upper
 62 100
 64 298.6 22.1 41.1#



#8
 Chloroethane
 Concen: 0.400 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. -0.000 min
 Lab File: VU051672.D
 Acq: 01 Nov 2022 23:36

Tgt Ion: 64 Resp: 6445
 Ion Ratio Lower Upper
 64 100
 66 25.1 22.3 41.5

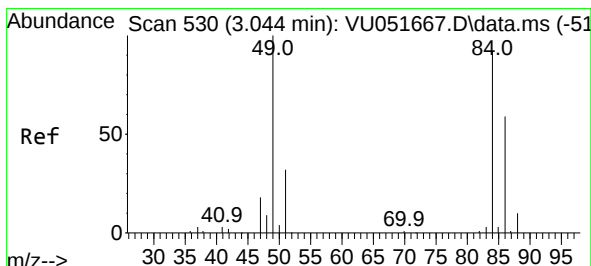
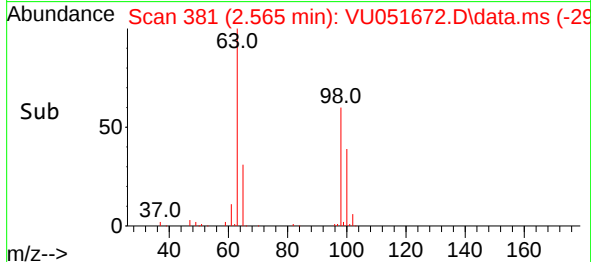
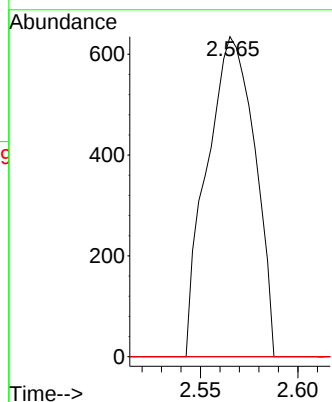
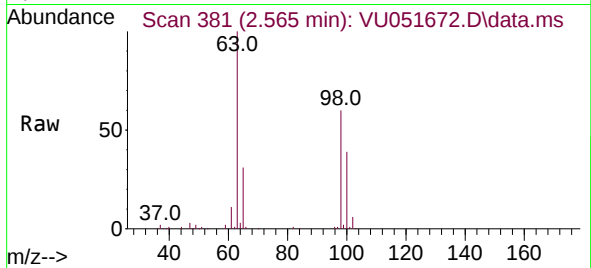




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.063 ug/L
RT: 2.565 min Scan# 31
Delta R.T. -0.013 min
Lab File: VU051672.D
Acq: 01 Nov 2022 23:36

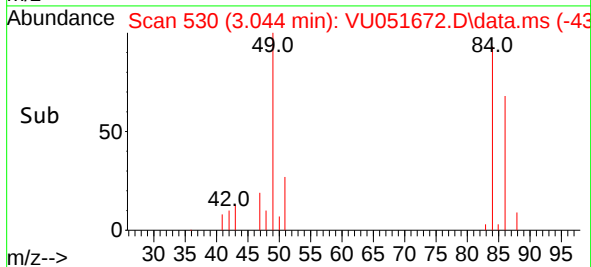
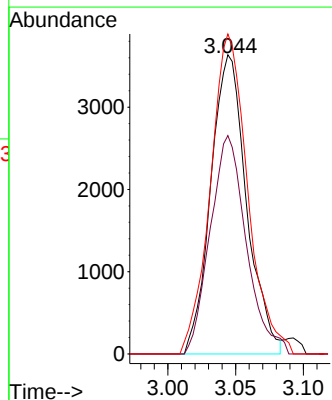
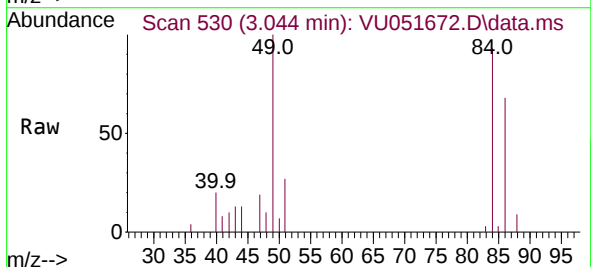
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MSVOA_U
ClientSampleId :

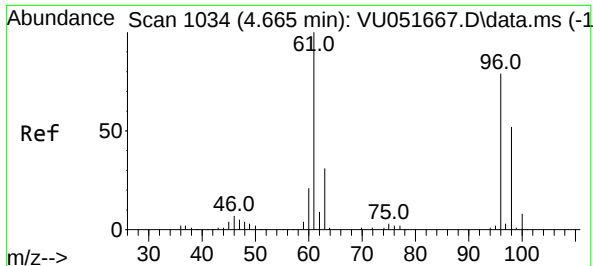
Tgt Ion:101 Resp: 1081
Ion Ratio Lower Upper
101 100
85 7.9 35.6 53.4#
151 0.0 59.6 89.4#



#16
Methylene chloride
Concen: 0.234 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU051672.D
Acq: 01 Nov 2022 23:36

Tgt Ion: 84 Resp: 6684
Ion Ratio Lower Upper
84 100
86 73.0 46.3 85.9
49 107.0 76.0 141.2





#22

cis-1,2-Dichloroethene

Concen: 0.494 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU051672.D

Acq: 01 Nov 2022 23:36

Instrument :

MSVOA_U

ClientSampleId :

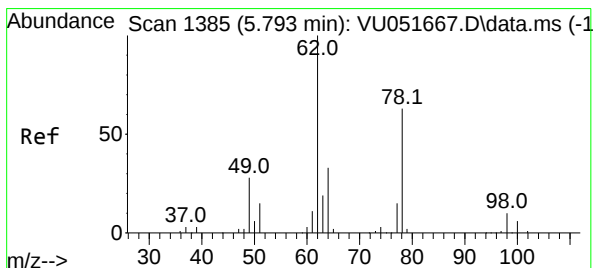
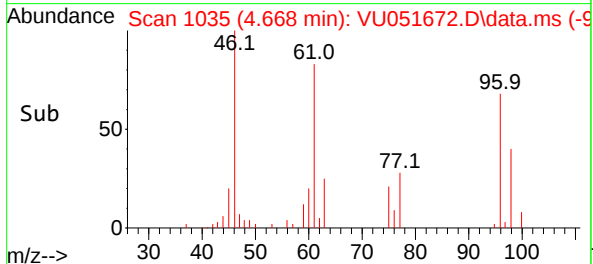
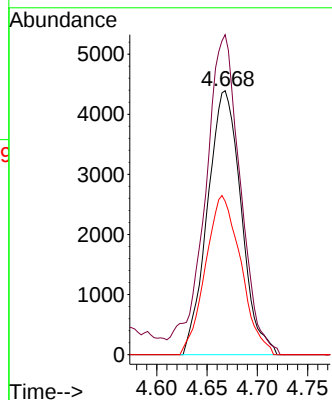
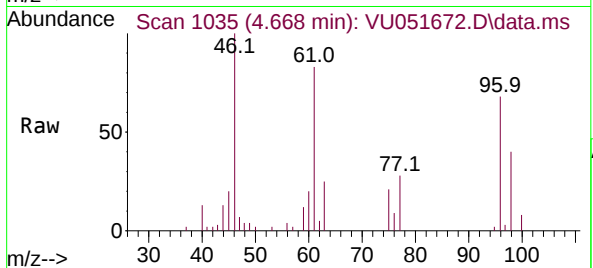
Tgt Ion: 96 Resp: 10237

Ion Ratio Lower Upper

96 100

61 121.2 86.4 160.4

98 58.1 44.2 82.2



#27

1,2-Dichloroethane

Concen: 0.491 ug/L

RT: 5.774 min Scan# 1379

Delta R.T. -0.019 min

Lab File: VU051672.D

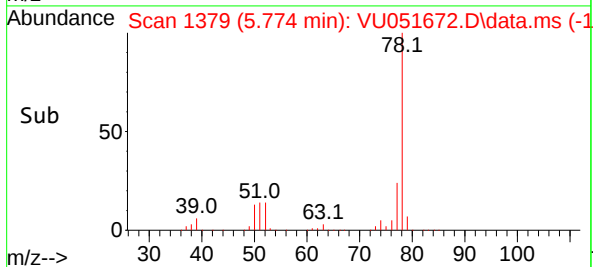
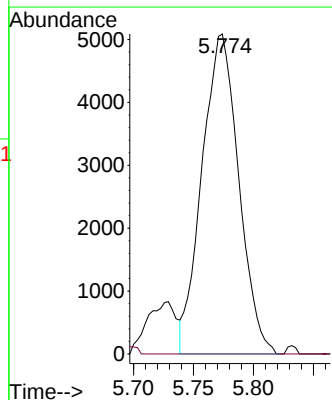
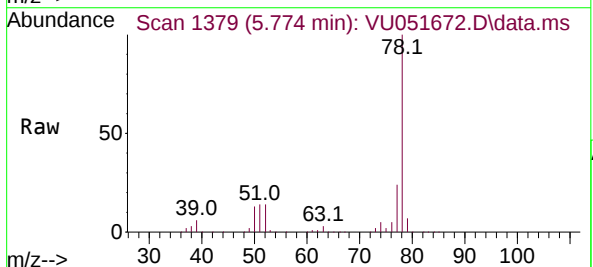
Acq: 01 Nov 2022 23:36

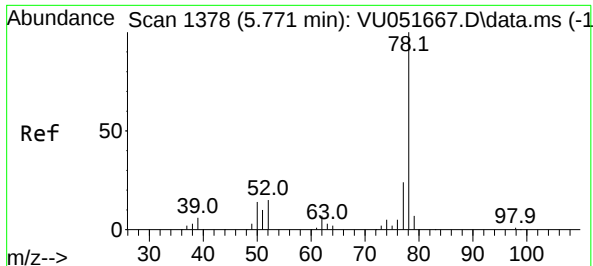
Tgt Ion: 62 Resp: 10841

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#

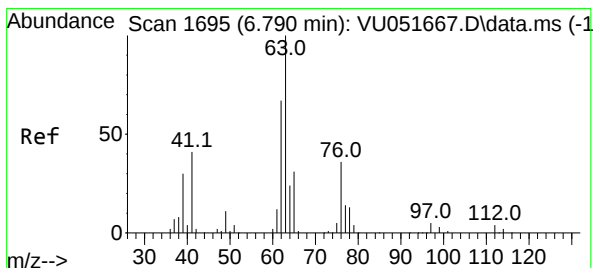
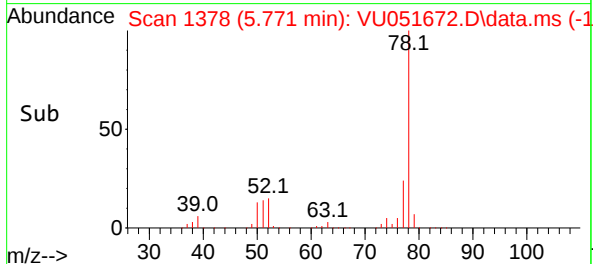
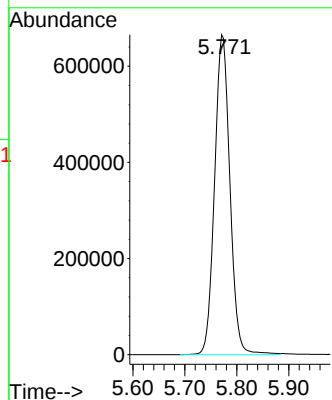
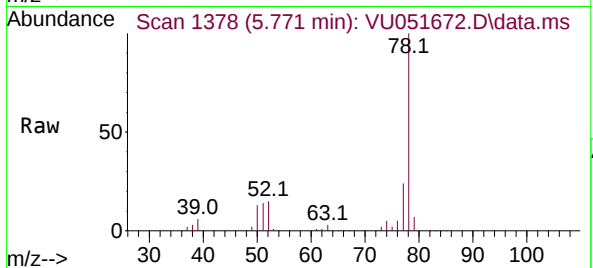




#33
Benzene
Concen: 16.640 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051672.D
Acq: 01 Nov 2022 23:36

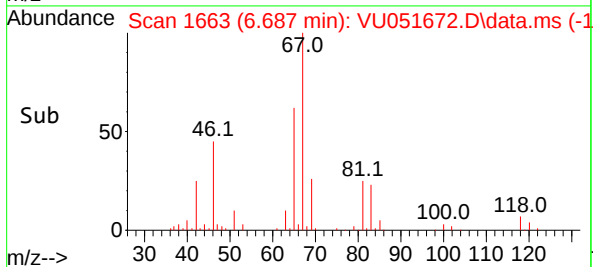
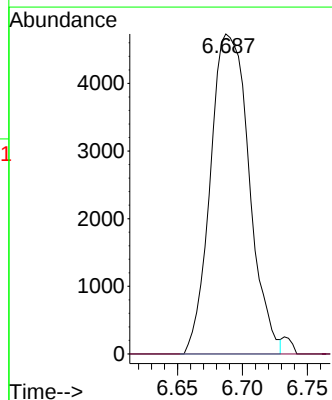
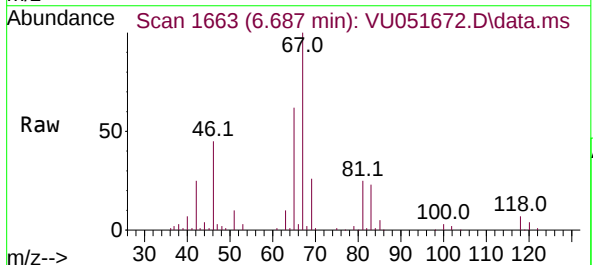
Instrument :
MSVOA_U
ClientSampleId :

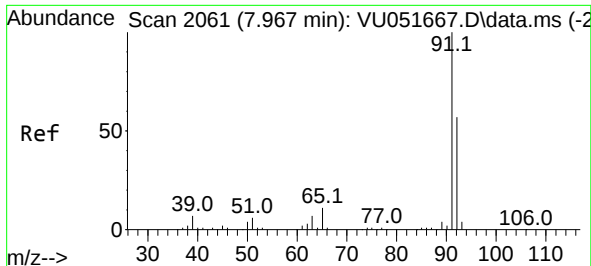
Tgt Ion: 78 Resp: 1363583



#37
1,2-Dichloropropane
Concen: 0.465 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.103 min
Lab File: VU051672.D
Acq: 01 Nov 2022 23:36

Tgt Ion: 63 Resp: 9811
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#





#42

Toluene

Concen: 18.855 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051672.D

Acq: 01 Nov 2022 23:36

Instrument :

MSVOA_U

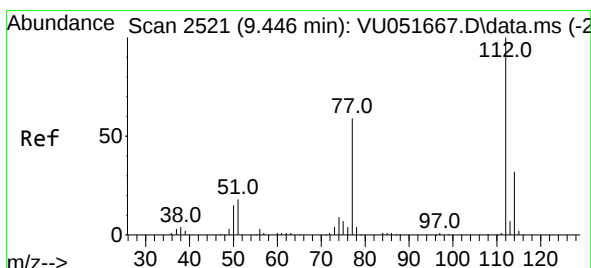
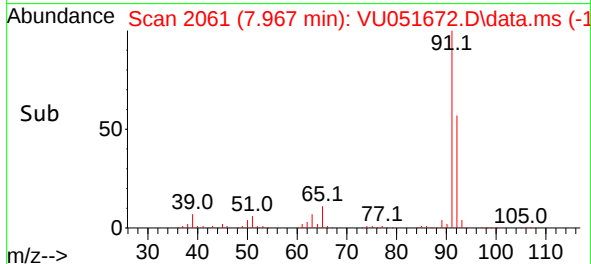
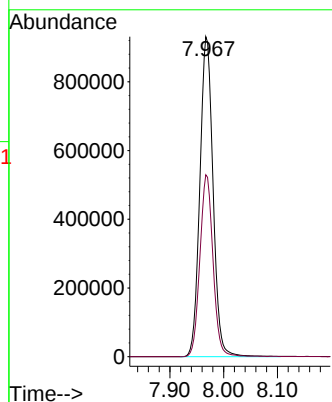
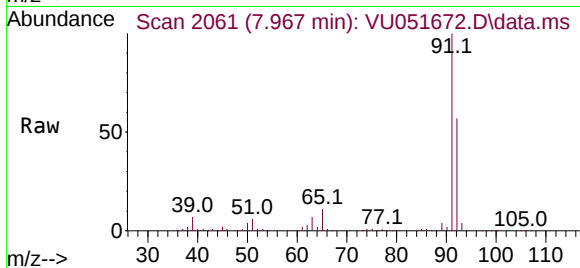
ClientSampleId :

Tgt Ion: 91 Resp: 1586805

Ion Ratio Lower Upper

91 100

92 56.8 40.5 75.3



#51

Chlorobenzene

Concen: 2.449 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051672.D

Acq: 01 Nov 2022 23:36

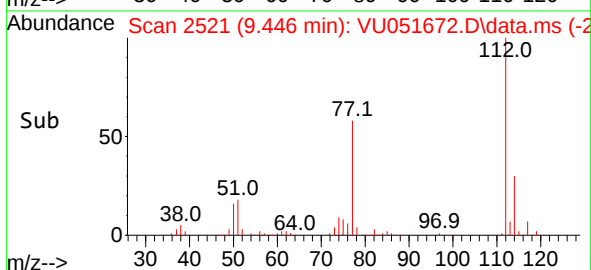
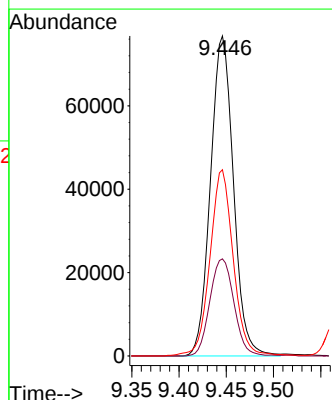
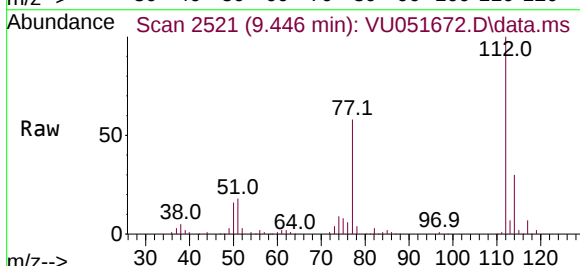
Tgt Ion: 112 Resp: 129717

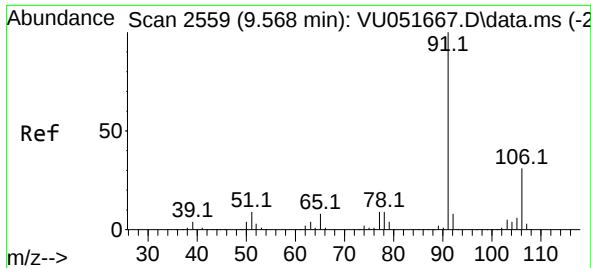
Ion Ratio Lower Upper

112 100

114 30.3 22.0 40.8

77 58.2 46.7 70.1

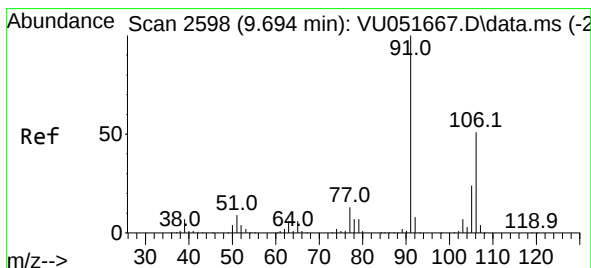
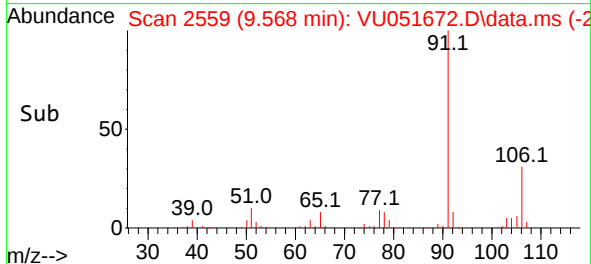
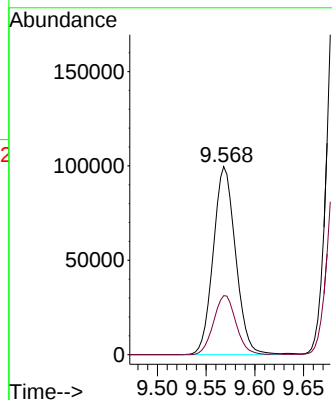
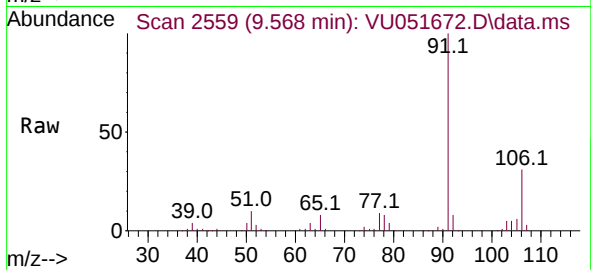




#52
Ethylbenzene
Concen: 1.958 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051672.D
Acq: 01 Nov 2022 23:36

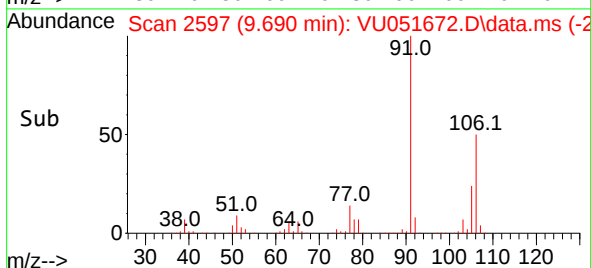
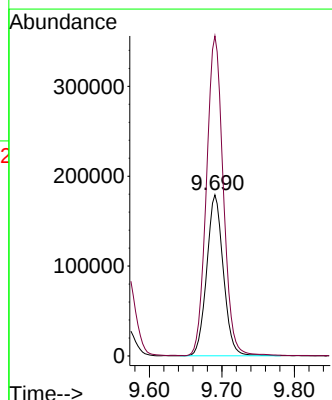
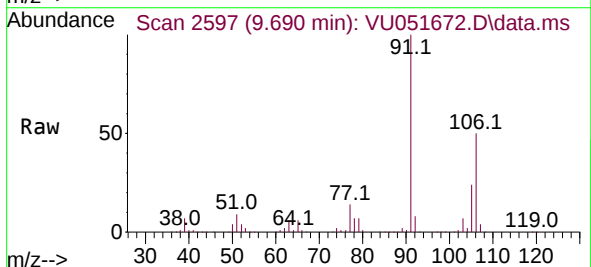
Instrument :
MSVOA_U
ClientSampleId :

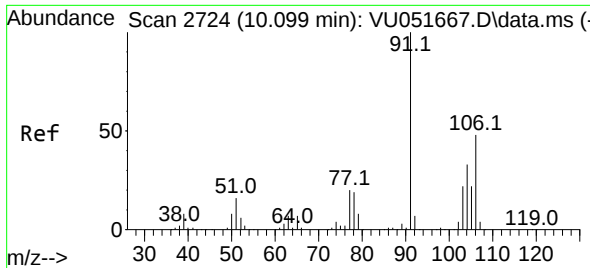
Tgt Ion: 91 Resp: 159032
Ion Ratio Lower Upper
91 100
106 31.4 21.8 40.6



#53
m,p-Xylene
Concen: 9.050 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051672.D
Acq: 01 Nov 2022 23:36

Tgt Ion: 106 Resp: 285443
Ion Ratio Lower Upper
106 100
91 198.6 139.4 259.0

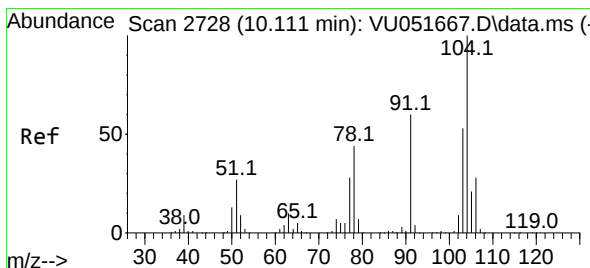
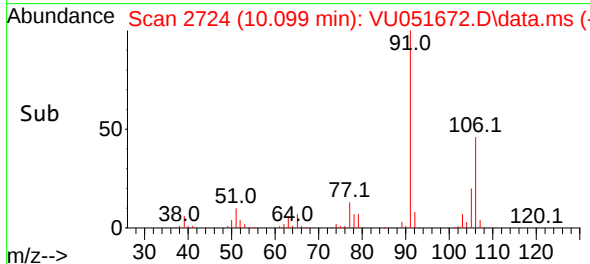
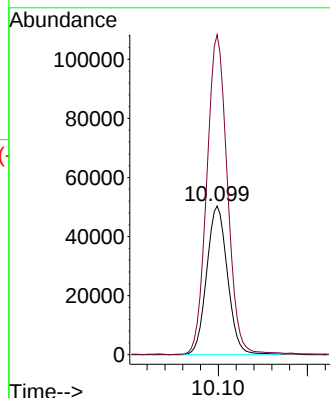
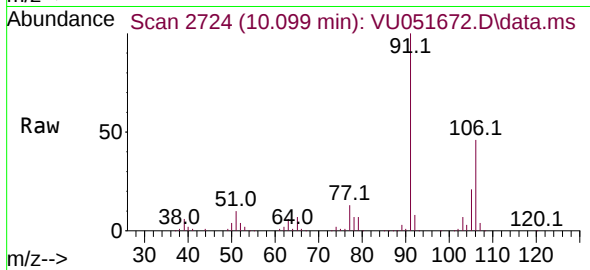




#54
o-Xylene
Concen: 2.647 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051672.D
Acq: 01 Nov 2022 23:36

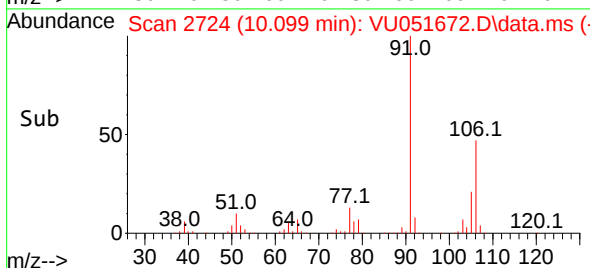
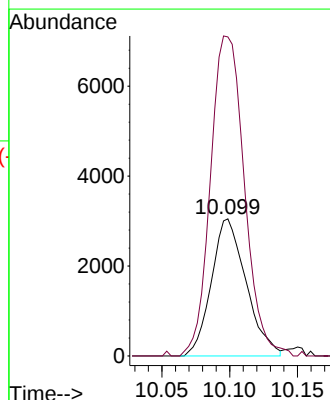
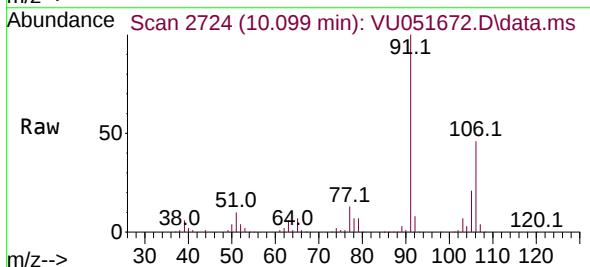
Instrument :
MSVOA_U
ClientSampleId :

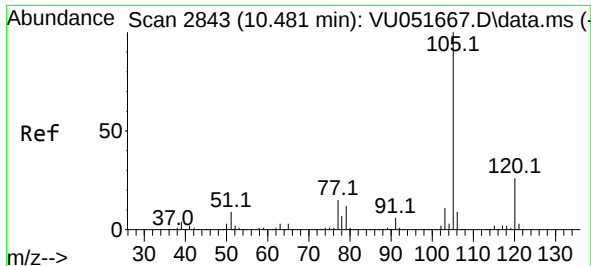
Tgt Ion:106 Resp: 81601
Ion Ratio Lower Upper
106 100
91 215.2 149.2 277.2



#55
Styrene
Concen: 0.106 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.013 min
Lab File: VU051672.D
Acq: 01 Nov 2022 23:36

Tgt Ion:104 Resp: 5447
Ion Ratio Lower Upper
104 100
78 232.8 31.8 59.0#

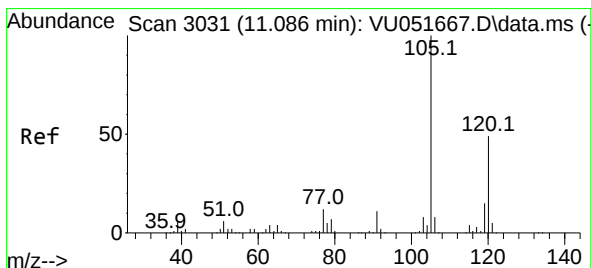
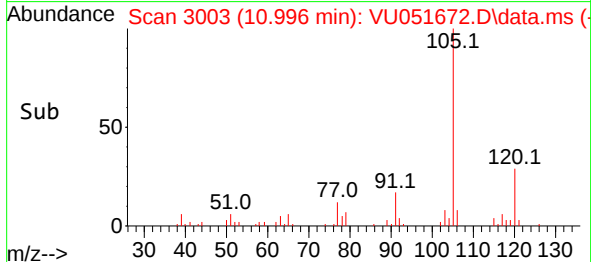
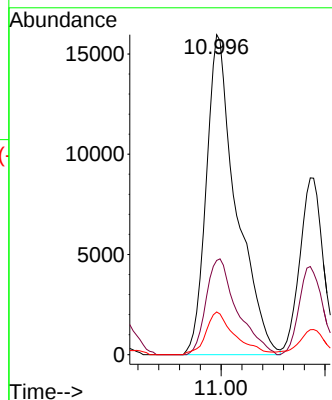
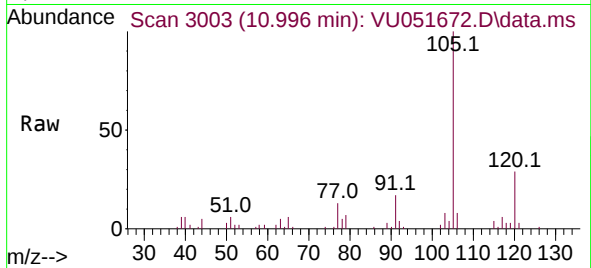




#60
Isopropylbenzene
Concen: 0.442 ug/L
RT: 10.996 min Scan# 3003
Delta R.T. 0.514 min
Lab File: VU051672.D
Acq: 01 Nov 2022 23:36

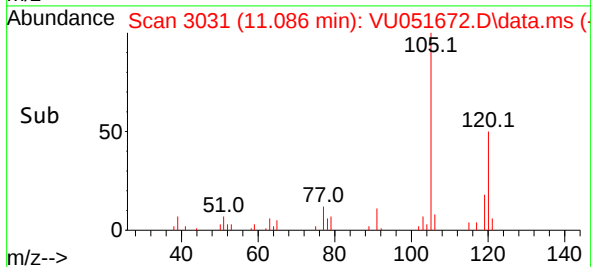
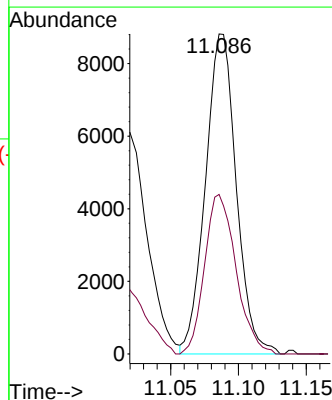
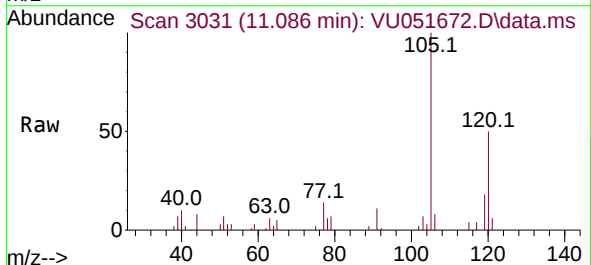
Instrument :
MSVOA_U
ClientSampleId :

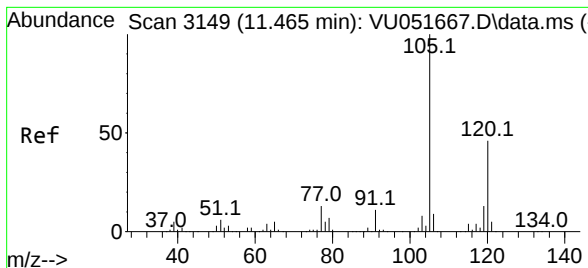
Tgt Ion:105 Resp: 31923
Ion Ratio Lower Upper
105 100
120 31.0 20.9 31.3
77 12.9 12.3 18.5



#62
1,3,5-Trimethylbenzene
Concen: 0.716 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU051672.D
Acq: 01 Nov 2022 23:36

Tgt Ion:105 Resp: 13938
Ion Ratio Lower Upper
105 100
120 50.9 38.6 57.8

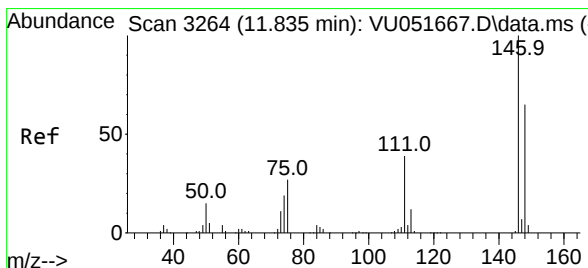
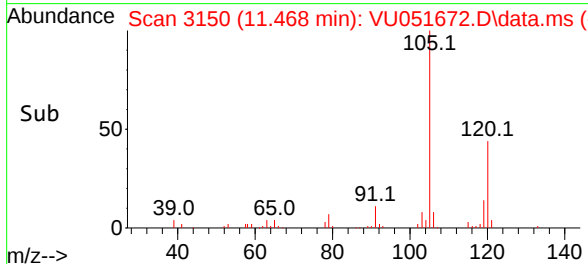
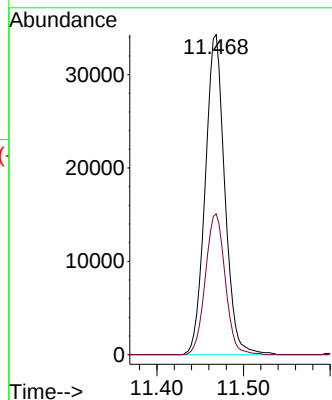
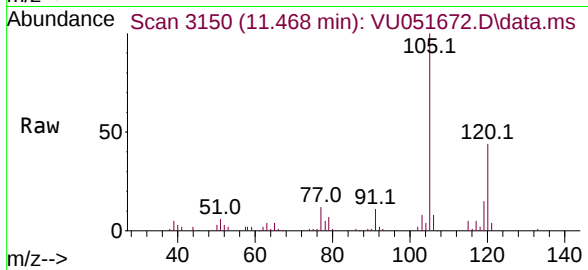




#63
1,2,4-Trimethylbenzene
Concen: 0.961 ug/L
RT: 11.468 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU051672.D
Acq: 01 Nov 2022 23:36

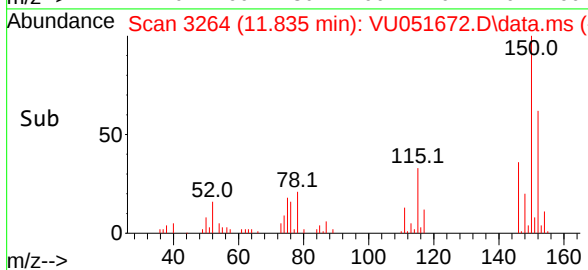
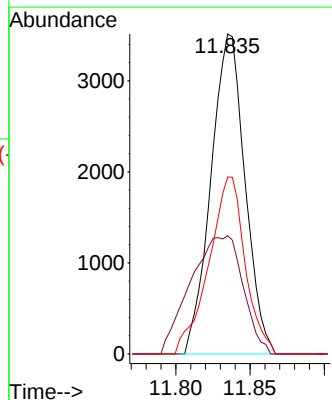
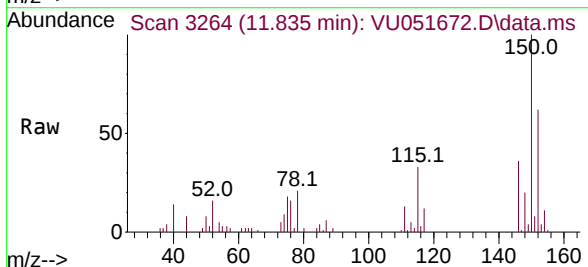
Instrument :
MSVOA_U
ClientSampleId :

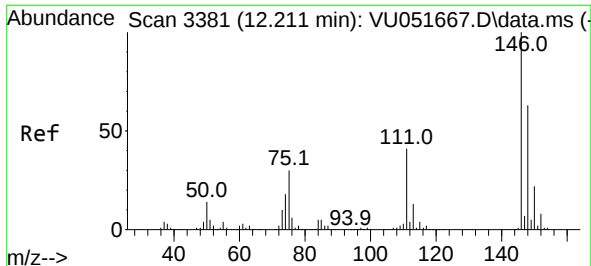
Tgt Ion:105 Resp: 53890
Ion Ratio Lower Upper
105 100
120 44.6 35.8 53.6



#65
1,4-Dichlorobenzene
Concen: 0.155 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU051672.D
Acq: 01 Nov 2022 23:36

Tgt Ion:146 Resp: 5592
Ion Ratio Lower Upper
146 100
111 36.9 26.7 49.5
148 55.3 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 0.129 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

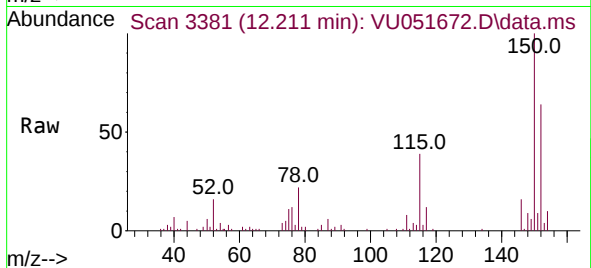
Lab File: VU051672.D

Acq: 01 Nov 2022 23:36

Instrument :

MSVOA_U

ClientSampleId :



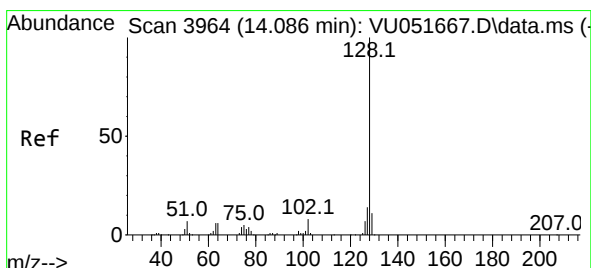
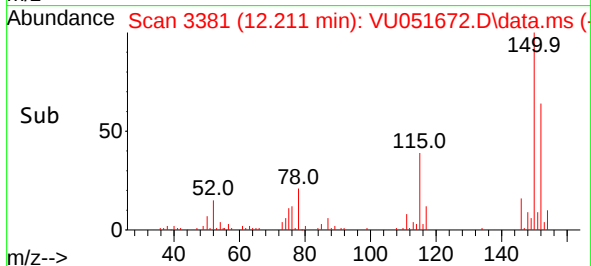
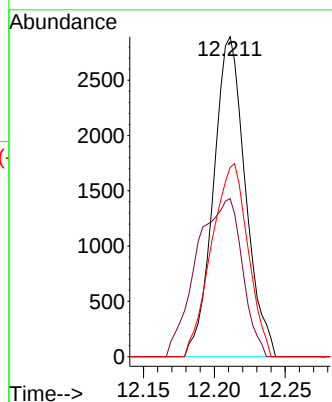
Tgt Ion:146 Resp: 4530

Ion Ratio Lower Upper

146 100

111 49.4 34.2 51.2

148 59.2 50.1 75.1



#71

Naphthalene

Concen: 0.137 ug/L

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU051672.D

Acq: 01 Nov 2022 23:36

Tgt Ion:128 Resp: 5044

Ion Ratio Lower Upper

128 100

129 5.9 8.4 12.6#

127 10.8 10.3 15.5

