

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101022\
 Data File : VU051342.D
 Acq On : 10 Oct 2022 21:58
 Operator : JC/MD
 Sample : N5013-01DL2 50X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 05:55:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 11 02:38:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	177610	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	197354	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	85353	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	53358	3.724	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.400%
7) Chloroethane-d5	1.912	69	54290	4.410	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	2.565	65	21757	3.842	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.800%
20) 2-Butanone-d5	4.623	46	168558	53.438	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.880%
24) Chloroform-d	5.060	84	135769	5.083	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
26) 1,2-Dichloroethane-d4	5.700	65	69842	5.070	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.400%
32) Benzene-d6	5.726	84	235250	4.333	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
36) 1,2-Dichloropropane-d6	6.690	67	87057	4.721	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.896	98	173464	3.571	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.400%
43) trans-1,3-Dichloroprop...	8.179	79	28775	4.750	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.632	63	100278	49.116	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.240%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	72917	4.951	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	72821	4.909	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	4501	0.226	ug/L #	82
8) Chloroethane	1.932	64	6534	0.513	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	640	0.046	ug/L #	21
16) Methylene chloride	3.044	84	10153	0.531	ug/L	95
22) cis-1,2-Dichloroethene	4.665	96	21943	1.454	ug/L	98
27) 1,2-Dichloroethane	5.771	62	5420	0.308	ug/L #	74
33) Benzene	5.771	78	617698	9.375	ug/L	100
35) Methylcyclohexane	6.687	83	20230	0.976	ug/L #	17
37) 1,2-Dichloropropane	6.690	63	9049	0.501	ug/L #	88
42) Toluene	7.970	91	914963	13.083	ug/L	98
51) Chlorobenzene	9.446	112	84082	2.012	ug/L	99
52) Ethylbenzene	9.568	91	96576	1.537	ug/L	96
53) m,p-Xylene	9.690	106	98147	4.027	ug/L	100
54) o-Xylene	10.099	106	26385	1.144	ug/L	89
55) Styrene	10.099	104	2963	0.075	ug/L #	1
60) Isopropylbenzene	10.481	105	19054	0.352	ug/L	96
62) 1,3,5-Trimethylbenzene	11.089	105	4328	0.302	ug/L	95
63) 1,2,4-Trimethylbenzene	11.465	105	18015	0.444	ug/L	96
65) 1,4-Dichlorobenzene	11.835	146	3696	0.140	ug/L	90

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QLast Update : Tue Oct 11 02:38:56 2022
Response via : Initial Calibration

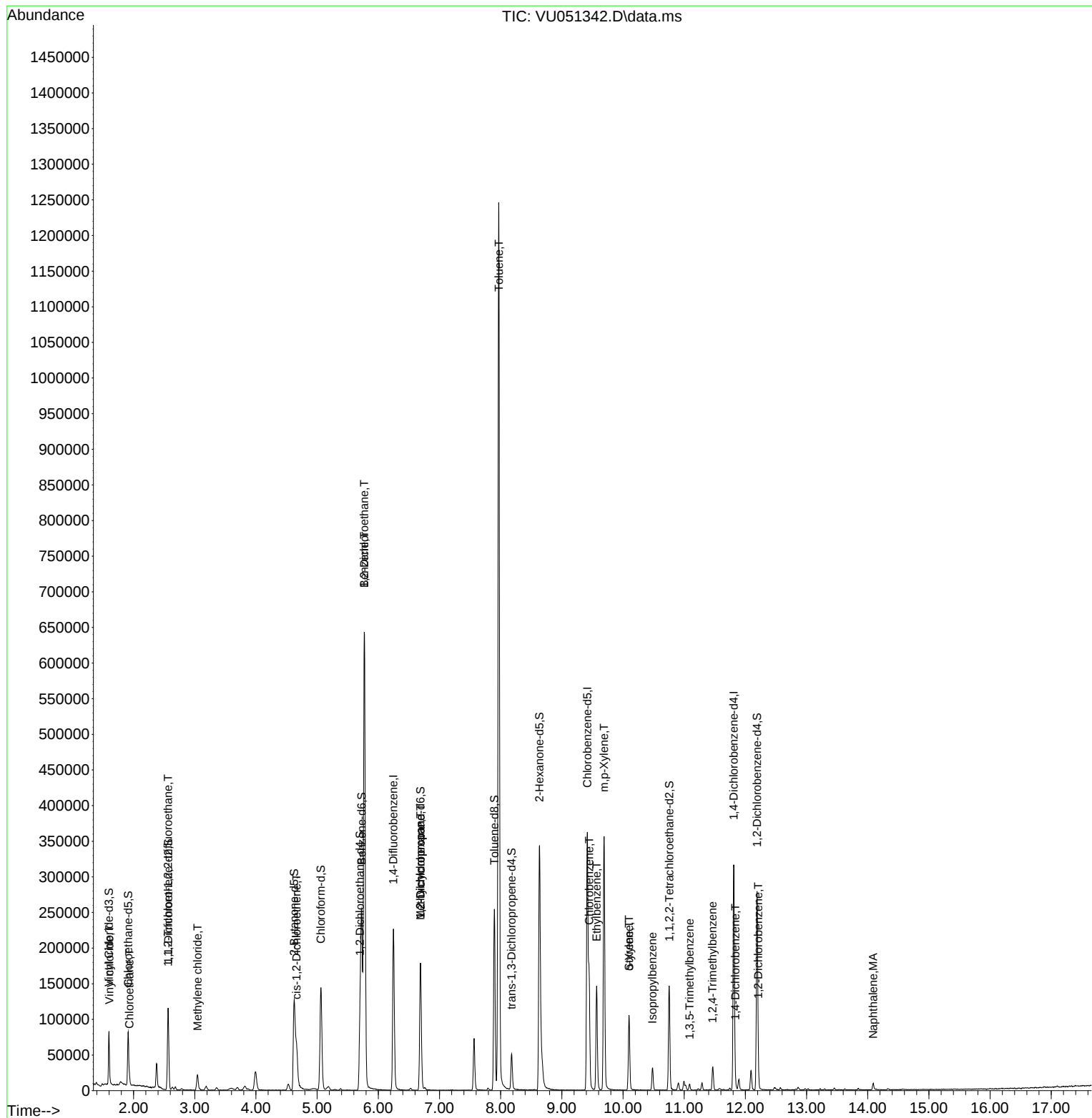
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.211	146	4261	0.164	ug/L	94
71) Naphthalene	14.089	128	8648	0.355	ug/L	96

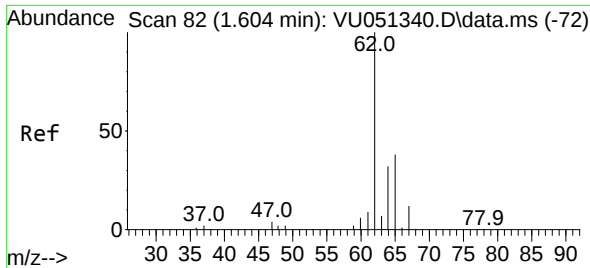
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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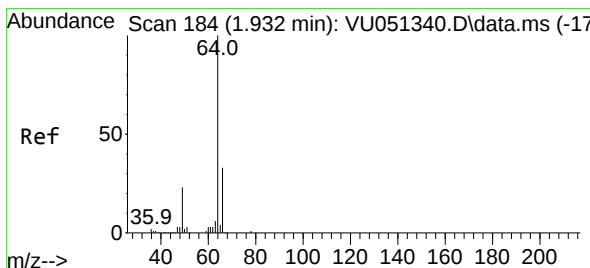
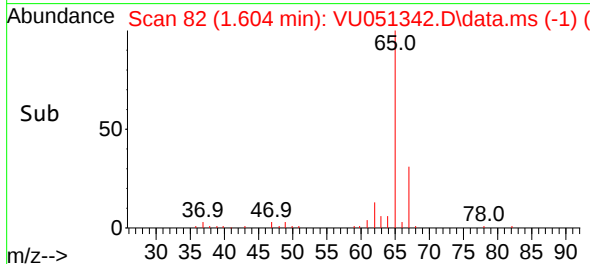
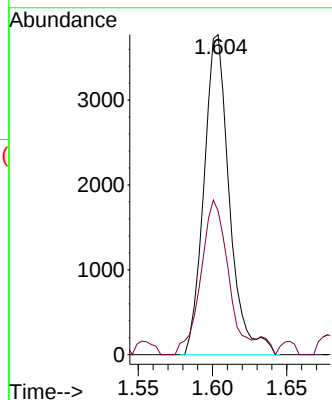
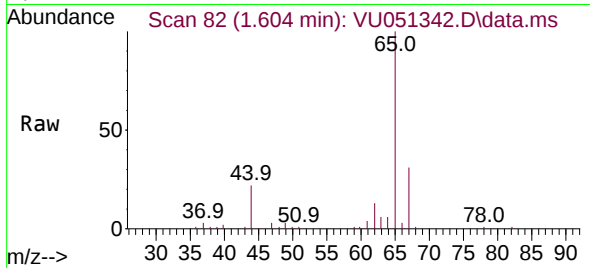




#5
 Vinyl chloride
 Concen: 0.226 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU051342.D
 Acq: 10 Oct 2022 21:58

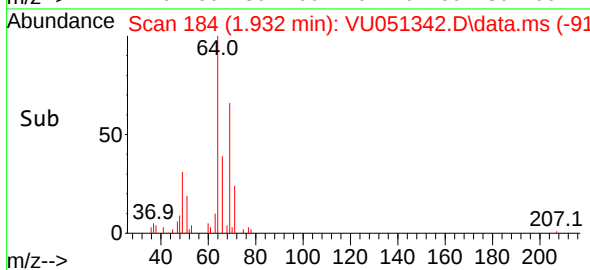
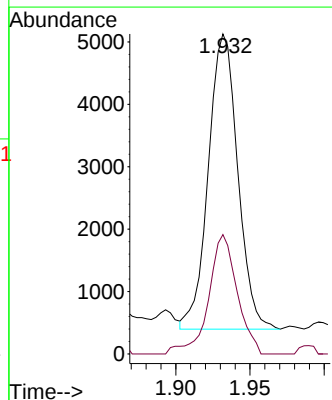
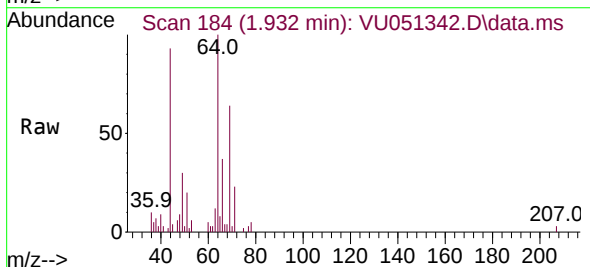
Instrument :
 MSVOA_U
 ClientSampleId :

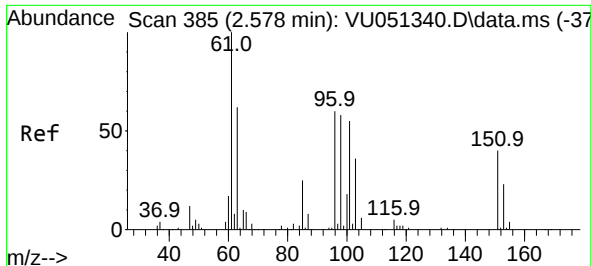
Tgt Ion: 62 Resp: 4501
 Ion Ratio Lower Upper
 62 100
 64 44.9 24.0 44.6#



#8
 Chloroethane
 Concen: 0.513 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. 0.000 min
 Lab File: VU051342.D
 Acq: 10 Oct 2022 21:58

Tgt Ion: 64 Resp: 6534
 Ion Ratio Lower Upper
 64 100
 66 37.3 22.3 41.3

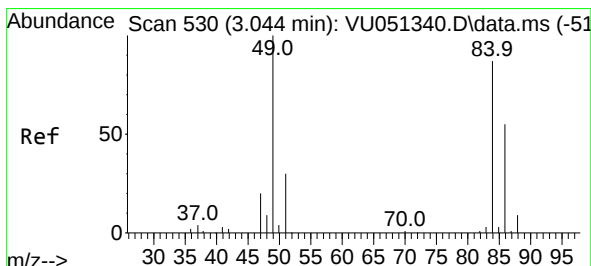
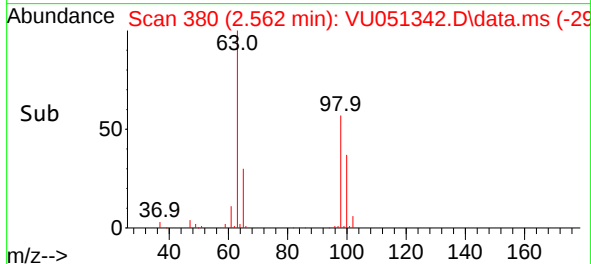
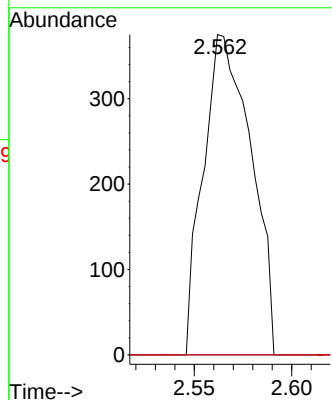
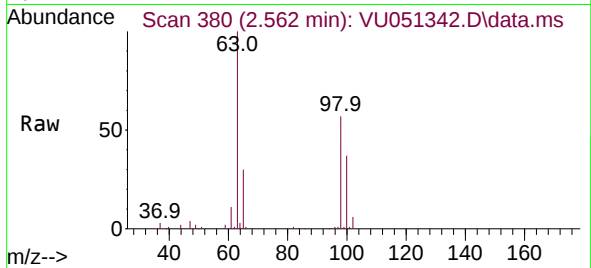




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.046 ug/L
RT: 2.562 min Scan# 31
Delta R.T. -0.016 min
Lab File: VU051342.D
Acq: 10 Oct 2022 21:58

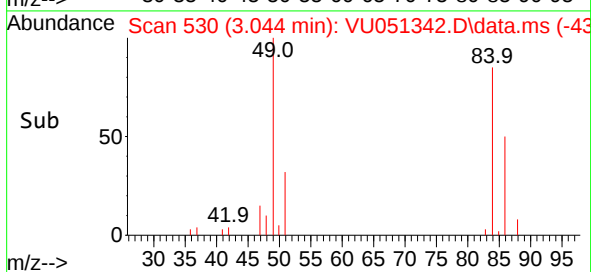
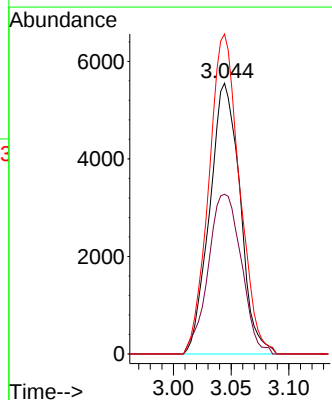
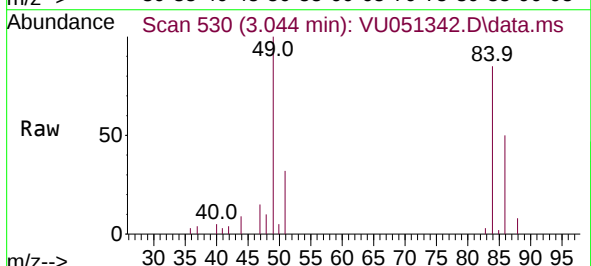
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MSVOA_U
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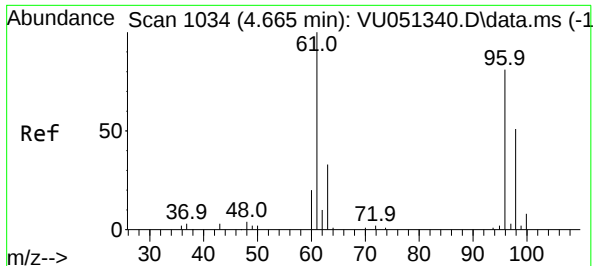
Tgt Ion:101 Resp: 640
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.5 84.7#



#16
Methylene chloride
Concen: 0.531 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051342.D
Acq: 10 Oct 2022 21:58

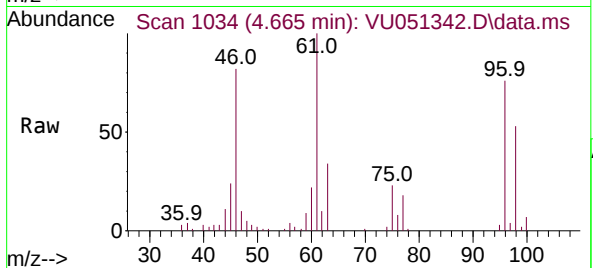
Tgt Ion: 84 Resp: 10153
Ion Ratio Lower Upper
84 100
86 59.0 46.5 86.3
49 118.2 81.3 151.1



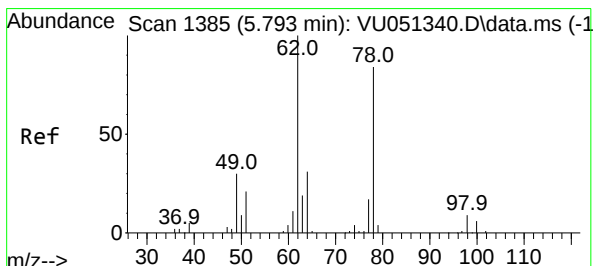
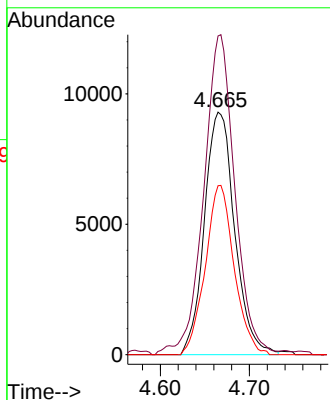
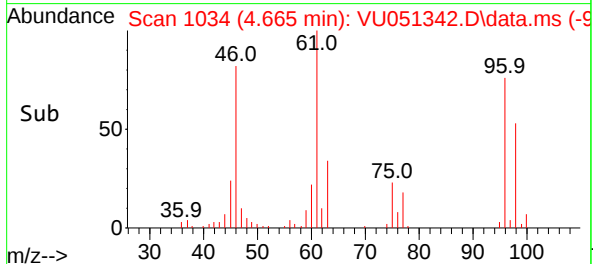


#22
 cis-1,2-Dichloroethene
 Concen: 1.454 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU051342.D
 Acq: 10 Oct 2022 21:58

Instrument :
 MSVOA_U
 ClientSampleId :

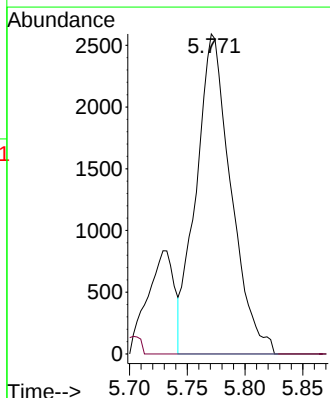
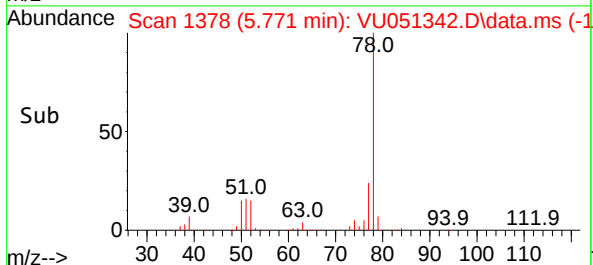
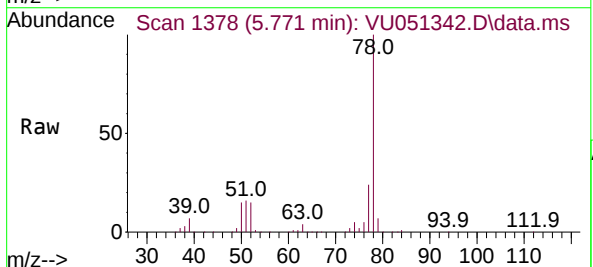


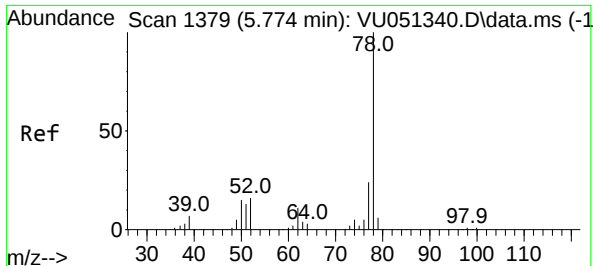
Tgt Ion: 96 Resp: 21943
 Ion Ratio Lower Upper
 96 100
 61 131.4 90.6 168.2
 98 69.6 47.5 88.3



#27
 1,2-Dichloroethane
 Concen: 0.308 ug/L
 RT: 5.771 min Scan# 1378
 Delta R.T. -0.022 min
 Lab File: VU051342.D
 Acq: 10 Oct 2022 21:58

Tgt Ion: 62 Resp: 5420
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.7 11.5#

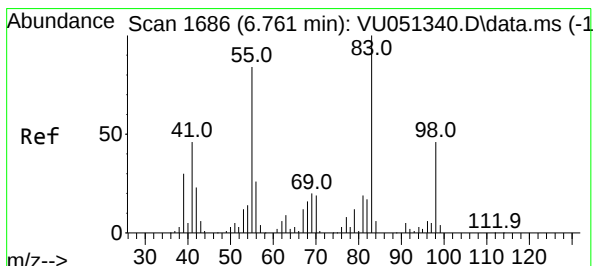
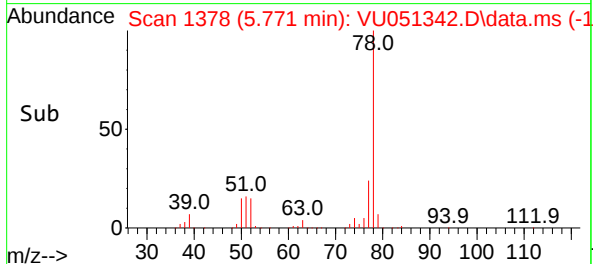
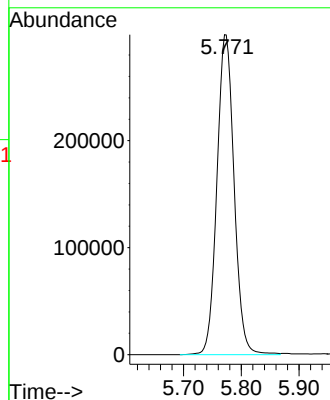
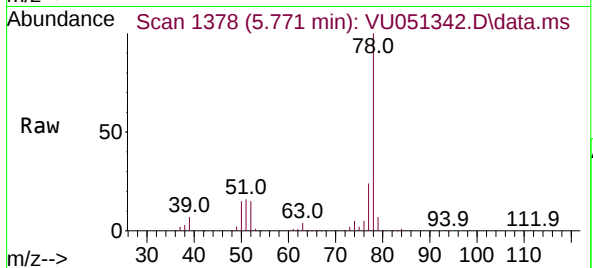




#33
Benzene
Concen: 9.375 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051342.D
Acq: 10 Oct 2022 21:58

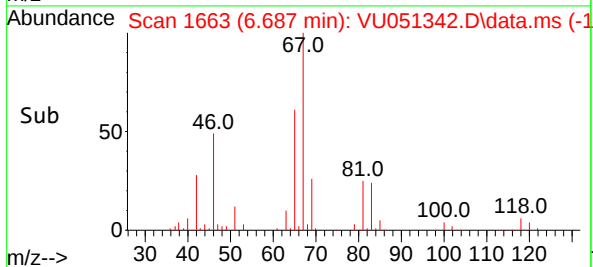
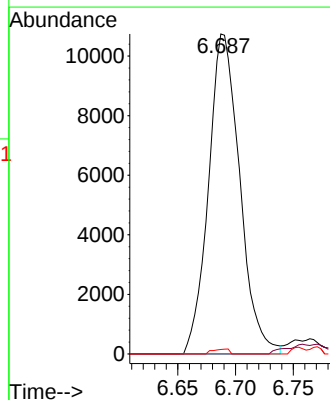
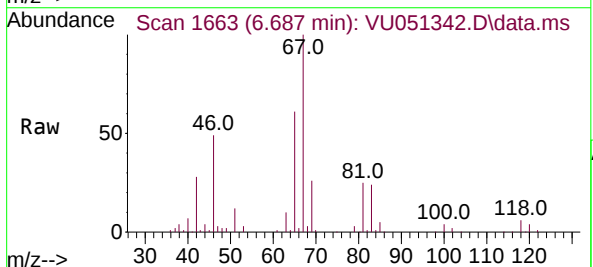
Instrument :
MSVOA_U
ClientSampleId :

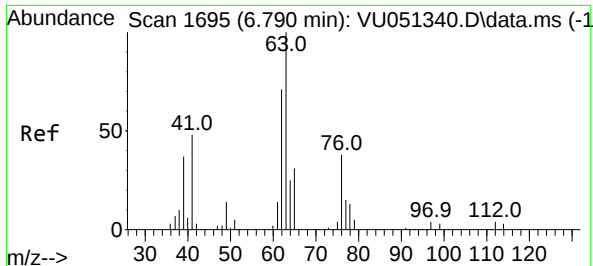
Tgt Ion: 78 Resp: 617698



#35
Methylcyclohexane
Concen: 0.976 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU051342.D
Acq: 10 Oct 2022 21:58

Tgt Ion: 83 Resp: 20230
Ion Ratio Lower Upper
83 100
55 0.0 65.8 98.6#
98 0.8 35.9 53.9#





#37

1,2-Dichloropropane

Concen: 0.501 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU051342.D

Acq: 10 Oct 2022 21:58

Instrument :

MSVOA_U

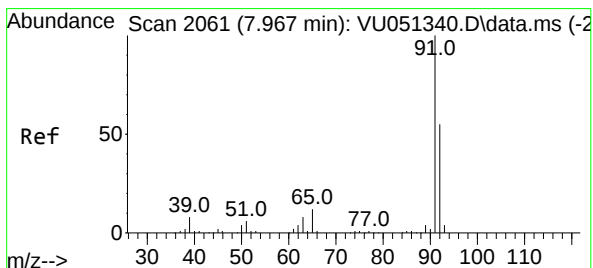
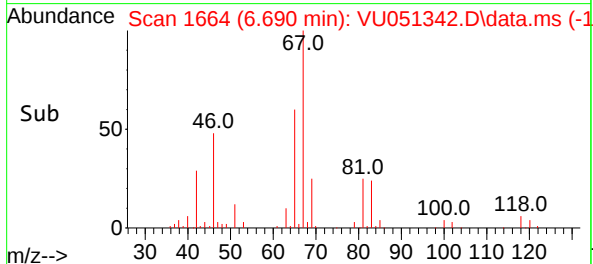
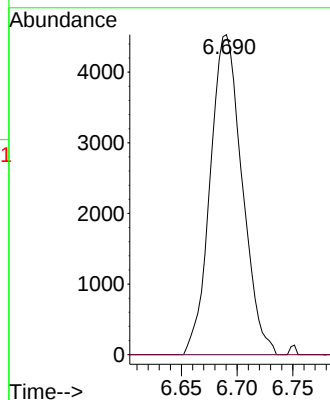
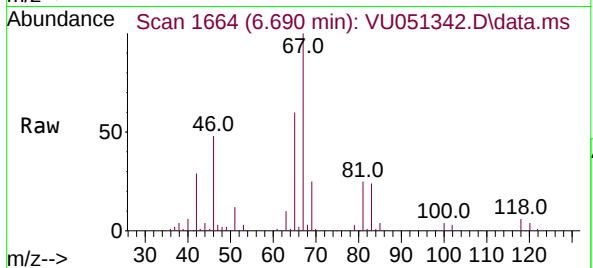
ClientSampleId :

Tgt Ion: 63 Resp: 9049

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#42

Toluene

Concen: 13.083 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU051342.D

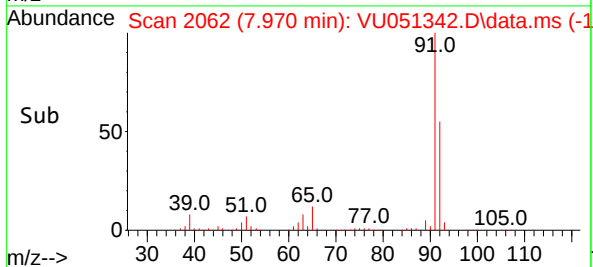
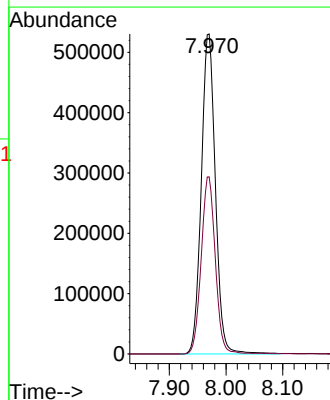
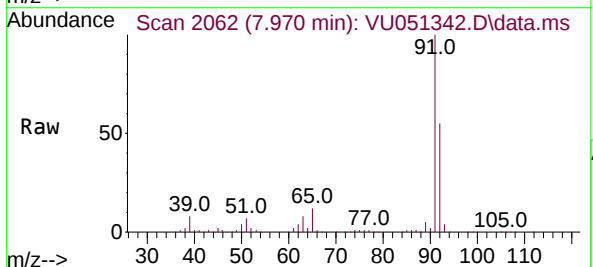
Acq: 10 Oct 2022 21:58

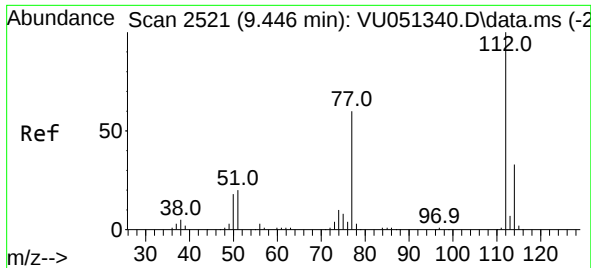
Tgt Ion: 91 Resp: 914963

Ion Ratio Lower Upper

91 100

92 55.4 39.9 74.1

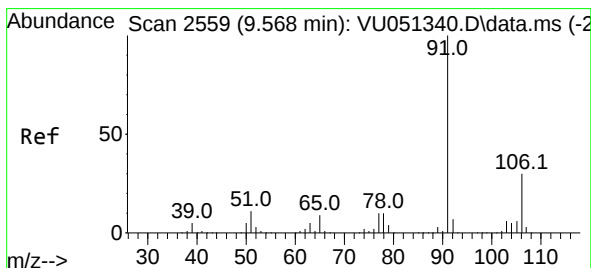
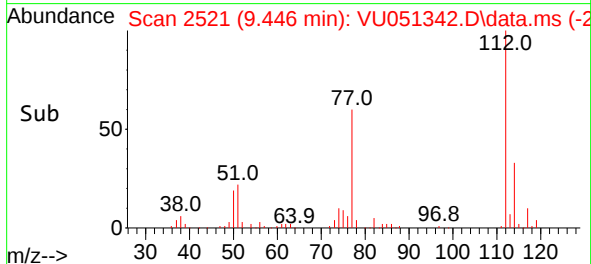
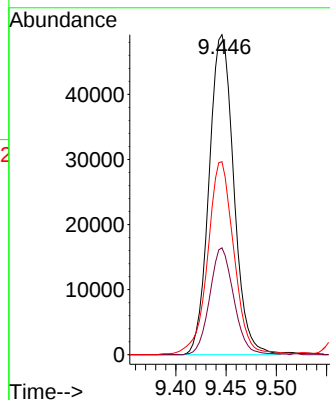
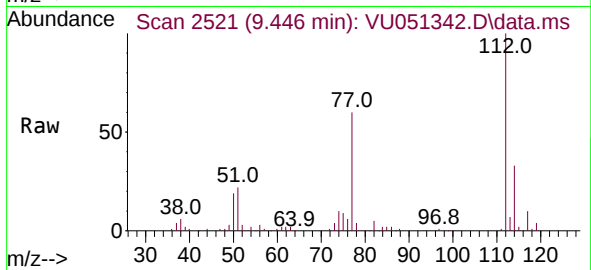




#51
Chlorobenzene
Concen: 2.012 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU051342.D
Acq: 10 Oct 2022 21:58

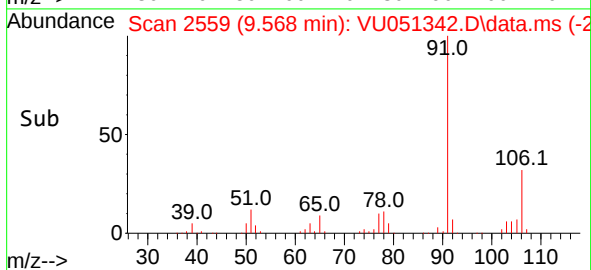
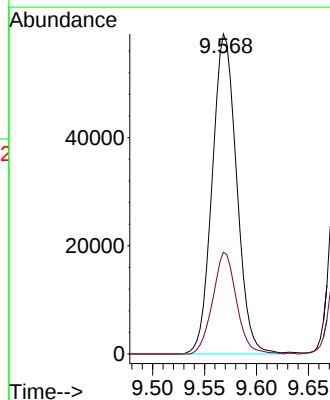
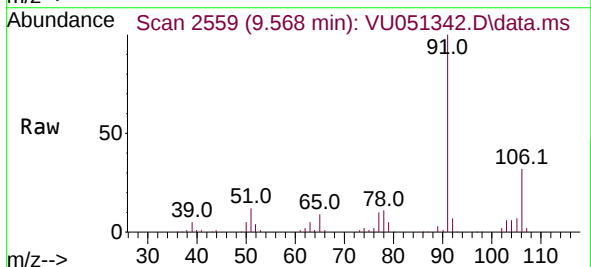
Instrument :
MSVOA_U
ClientSampleId :

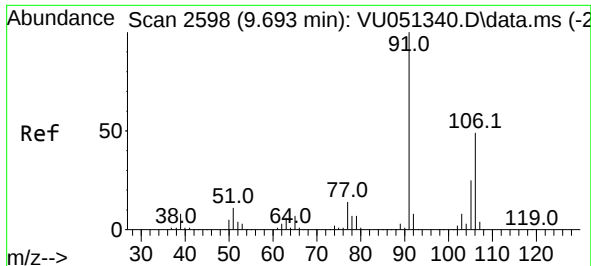
Tgt Ion:112 Resp: 84082
Ion Ratio Lower Upper
112 100
114 33.4 22.3 41.5
77 60.3 48.1 72.1



#52
Ethylbenzene
Concen: 1.537 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051342.D
Acq: 10 Oct 2022 21:58

Tgt Ion: 91 Resp: 96576
Ion Ratio Lower Upper
91 100
106 31.8 20.9 38.7

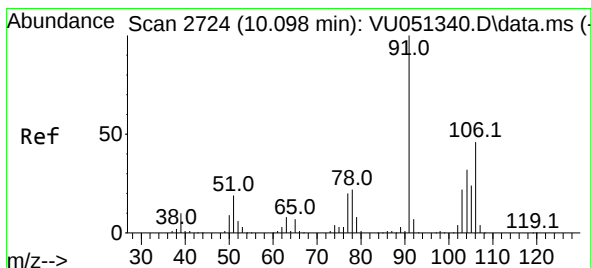
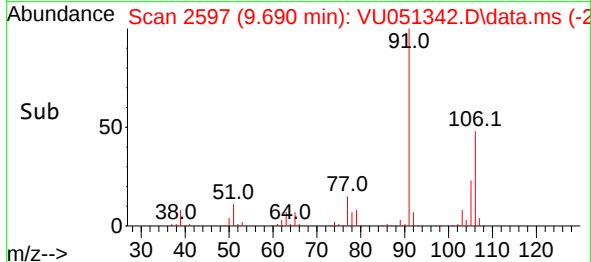
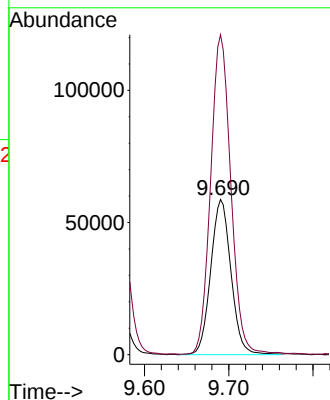
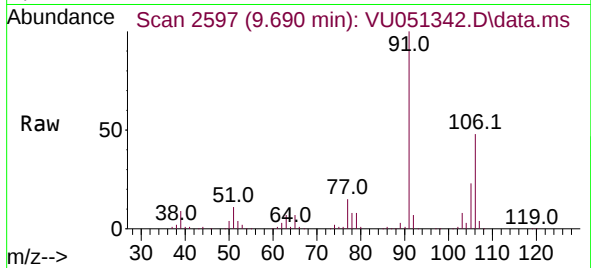




#53
m,p-Xylene
Concen: 4.027 ug/L
RT: 9.690 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU051342.D
Acq: 10 Oct 2022 21:58

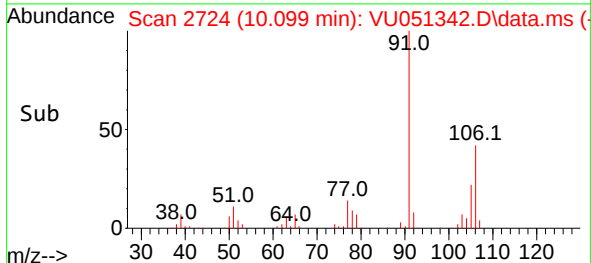
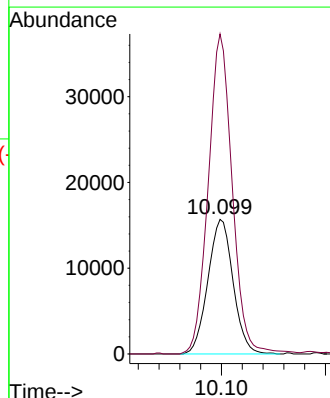
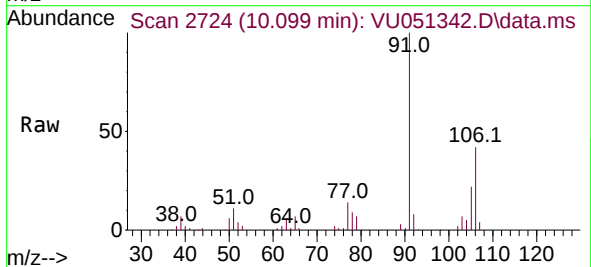
Instrument :
MSVOA_U
ClientSampleId :

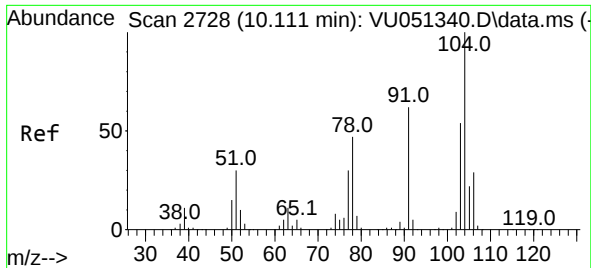
Tgt Ion:106 Resp: 98147
Ion Ratio Lower Upper
106 100
91 206.3 143.9 267.3



#54
o-Xylene
Concen: 1.144 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051342.D
Acq: 10 Oct 2022 21:58

Tgt Ion:106 Resp: 26385
Ion Ratio Lower Upper
106 100
91 237.7 154.4 286.8

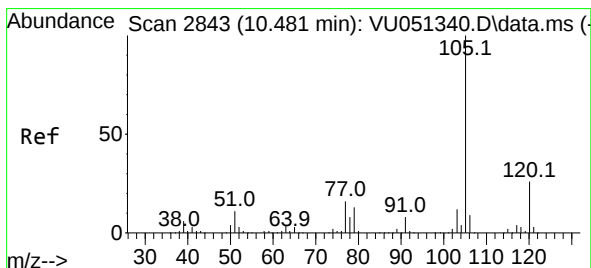
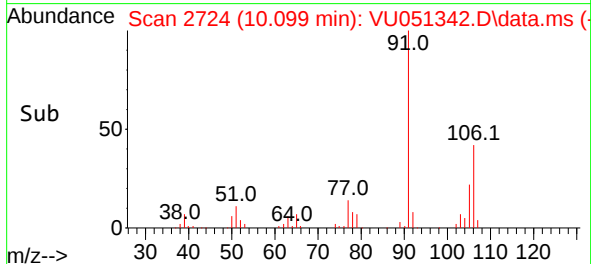
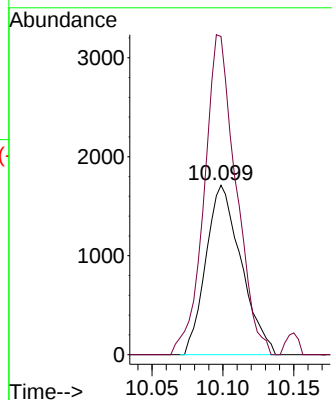
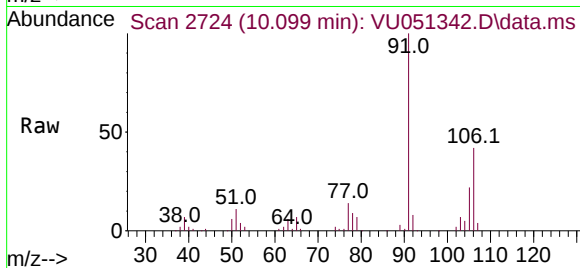




#55
Styrene
Concen: 0.075 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.013 min
Lab File: VU051342.D
Acq: 10 Oct 2022 21:58

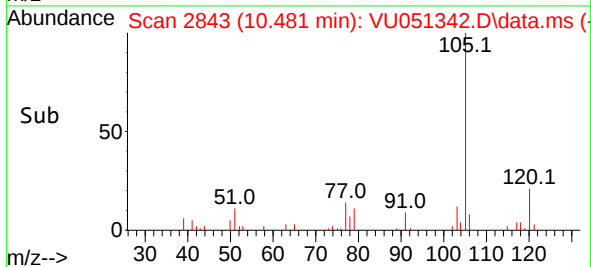
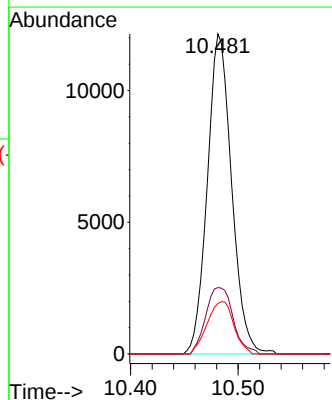
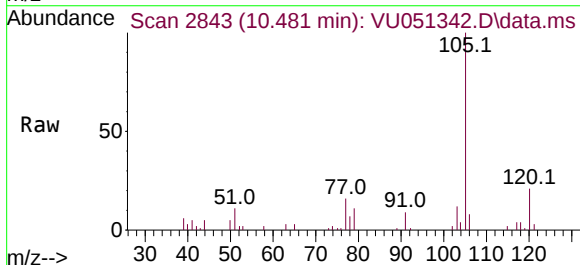
Instrument :
MSVOA_U
ClientSampleId :

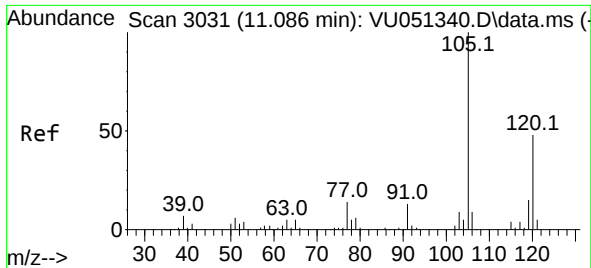
Tgt Ion:104 Resp: 2963
Ion Ratio Lower Upper
104 100
78 187.8 32.1 59.7#



#60
Isopropylbenzene
Concen: 0.352 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051342.D
Acq: 10 Oct 2022 21:58

Tgt Ion:105 Resp: 19054
Ion Ratio Lower Upper
105 100
120 23.3 20.6 30.8
77 17.9 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 0.302 ug/L

RT: 11.089 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU051342.D

Acq: 10 Oct 2022 21:58

Instrument :

MSVOA_U

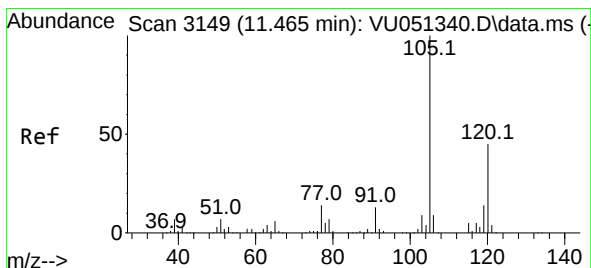
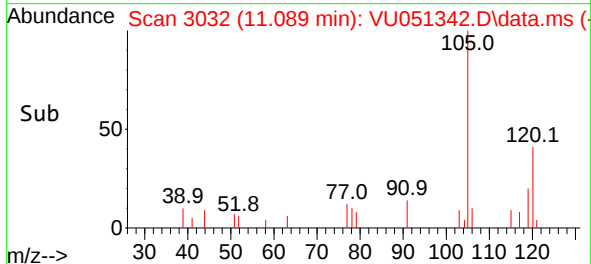
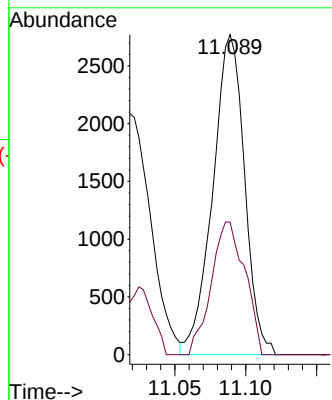
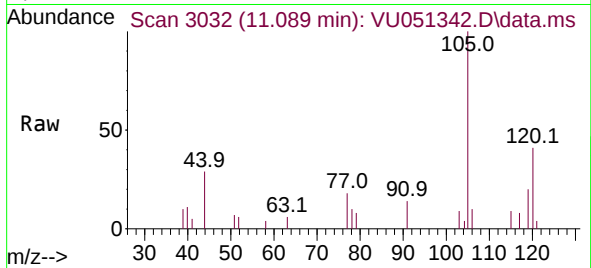
ClientSampleId :

Tgt Ion:105 Resp: 4328

Ion Ratio Lower Upper

105 100

120 43.8 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 0.444 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU051342.D

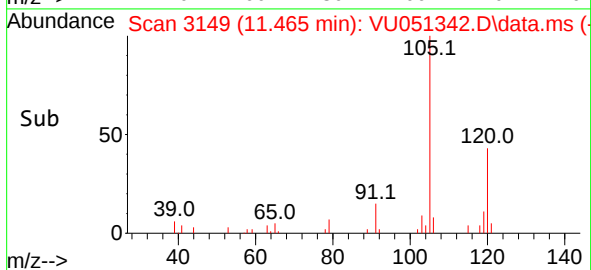
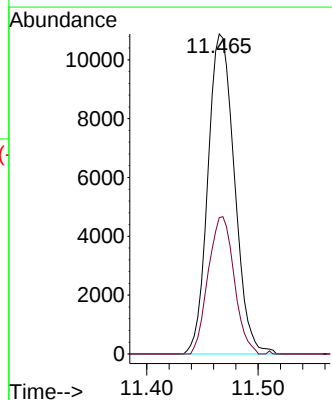
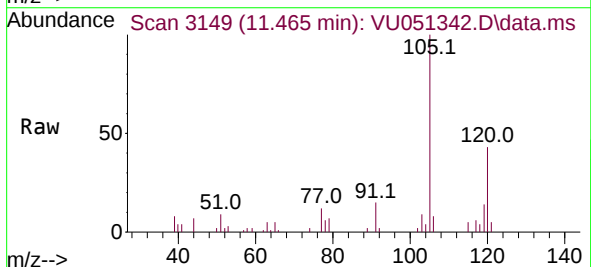
Acq: 10 Oct 2022 21:58

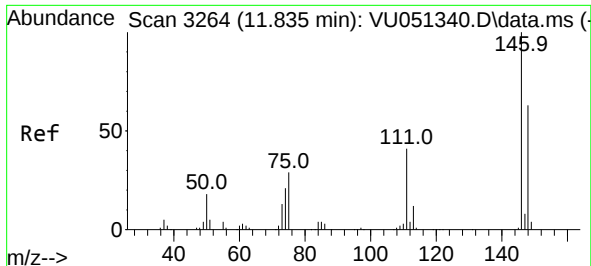
Tgt Ion:105 Resp: 18015

Ion Ratio Lower Upper

105 100

120 41.9 35.6 53.4

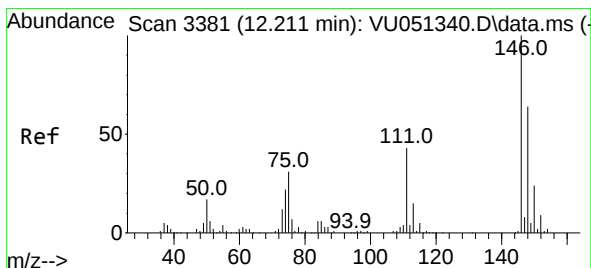
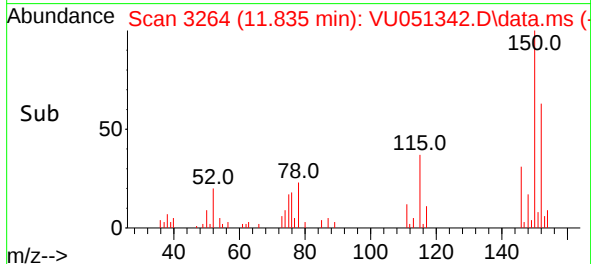
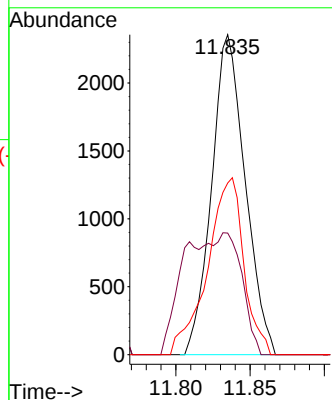
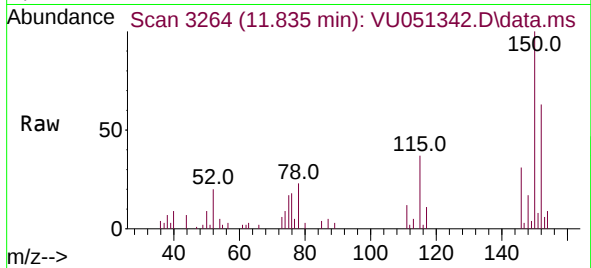




#65
1,4-Dichlorobenzene
Concen: 0.140 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051342.D
Acq: 10 Oct 2022 21:58

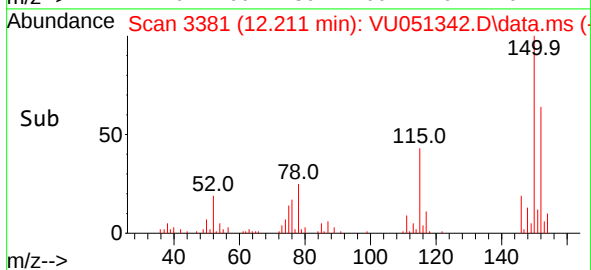
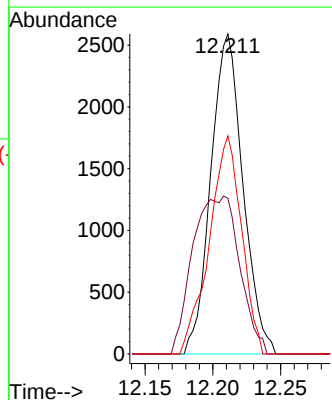
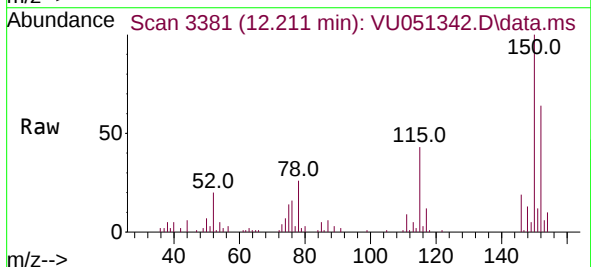
Instrument :
MSVOA_U
ClientSampleId :

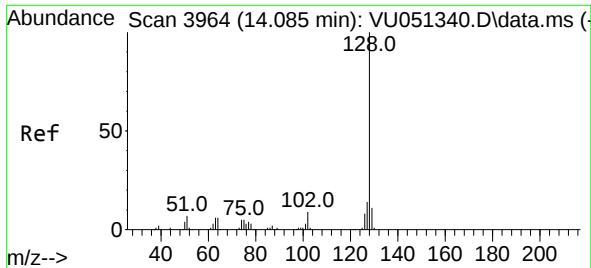
Tgt Ion:146 Resp: 3696
Ion Ratio Lower Upper
146 100
111 38.0 29.1 54.1
148 53.7 44.2 82.0



#67
1,2-Dichlorobenzene
Concen: 0.164 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051342.D
Acq: 10 Oct 2022 21:58

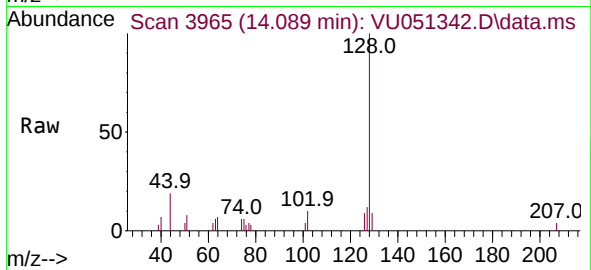
Tgt Ion:146 Resp: 4261
Ion Ratio Lower Upper
146 100
111 48.6 35.5 53.3
148 68.1 50.9 76.3





#71
Naphthalene
Concen: 0.355 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU051342.D
Acq: 10 Oct 2022 21:58

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	8648
Ion	Ratio	Lower	Upper
128	100		
129	9.2	8.5	12.7
127	11.9	11.1	16.7

