

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
 Data File : VU051673.D
 Acq On : 02 Nov 2022 00:02
 Operator : JC/MD
 Sample : N5319-09DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 02 04:07:35 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	194702	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	197383	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	89018	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	74217	5.061	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.200%
7) Chloroethane-d5	1.909	69	69889	4.570	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.565	65	29895	5.617	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	112.400%
20) 2-Butanone-d5	4.626	46	185960	35.016	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.040%
24) Chloroform-d	5.060	84	152929	4.457	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.700	65	78127	4.215	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
32) Benzene-d6	5.726	84	307309	4.934	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.690	67	101014	4.638	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.800%
41) Toluene-d8	7.896	98	247083	5.044	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
43) trans-1,3-Dichloroprop...	8.179	79	32293	4.849	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.000%
46) 2-Hexanone-d5	8.632	63	157189	39.208	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.420%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	83500	4.183	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	89098	5.453	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.600	62	10565	0.411	ug/L #	1
8) Chloroethane	1.932	64	9215	0.590	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1300	0.078	ug/L #	31
13) Acetone	2.639	43	8081	2.999	ug/L	96
16) Methylene chloride	3.044	84	6834	0.246	ug/L	94
19) 1,1-Dichloroethane	3.874	63	3375	0.101	ug/L #	86
22) cis-1,2-Dichloroethene	4.665	96	65024	3.235	ug/L	98
27) 1,2-Dichloroethane	5.774	62	7770	0.363	ug/L #	75
33) Benzene	5.771	78	957077	12.287	ug/L	100
37) 1,2-Dichloropropane	6.687	63	10735	0.536	ug/L #	88
42) Toluene	7.967	91	1838436	22.982	ug/L	98
51) Chlorobenzene	9.446	112	43305	0.860	ug/L	98
52) Ethylbenzene	9.568	91	173976	2.254	ug/L	99
53) m,p-Xylene	9.690	106	138657	4.625	ug/L	95
54) o-Xylene	10.099	106	37444	1.278	ug/L	97
55) Styrene	10.102	104	3073	0.063	ug/L #	1
60) Isopropylbenzene	10.484	105	45252	0.696	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	6236	0.356	ug/L	96
63) 1,2,4-Trimethylbenzene	11.468	105	26227	0.520	ug/L	99

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QLast Update : Wed Nov 02 03:06:15 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.828	146	3254	0.100	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	3961	0.126	ug/L	89

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

Instrument :

MSVOA U

ClientSampleId :

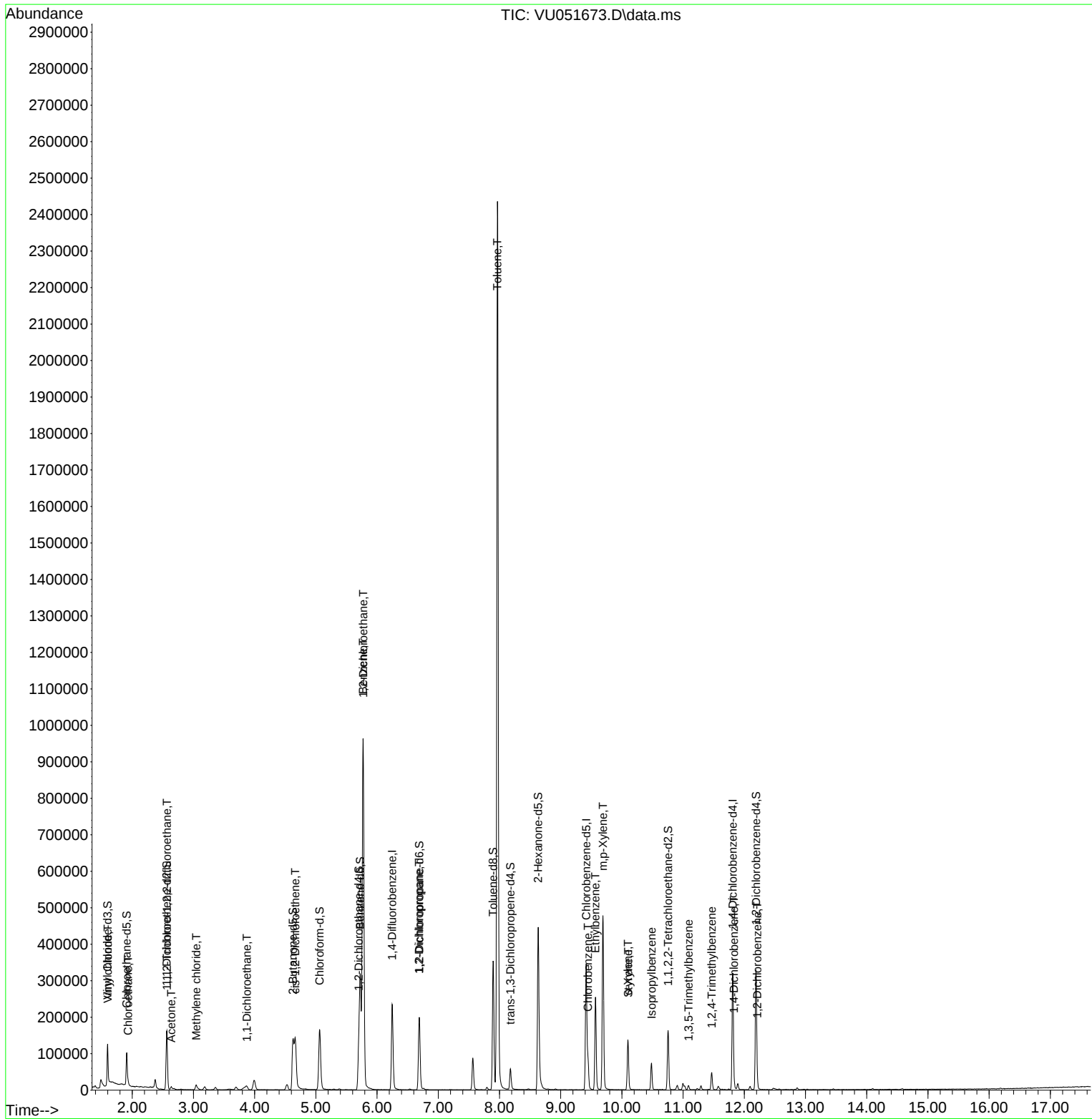
Quant Time: Nov 02 04:07:35 2022

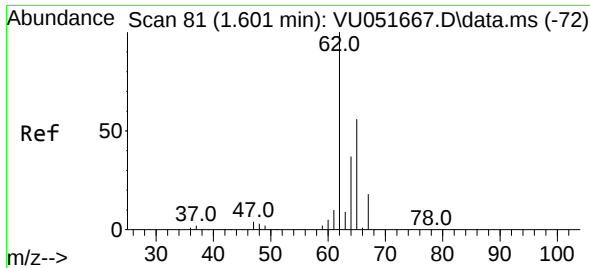
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M

Quant Title : TRACE VOA SFAM1.0

QLast Update : Wed Nov 02 03:06:15 2022

Response via : Initial Calibration

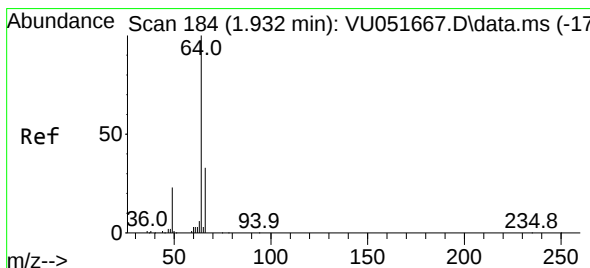
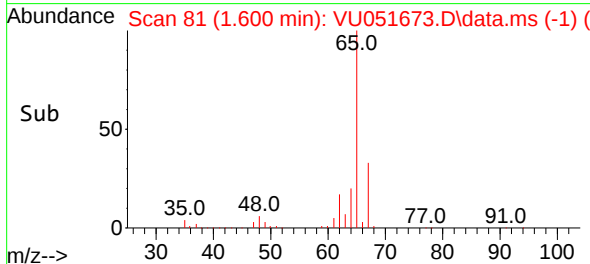
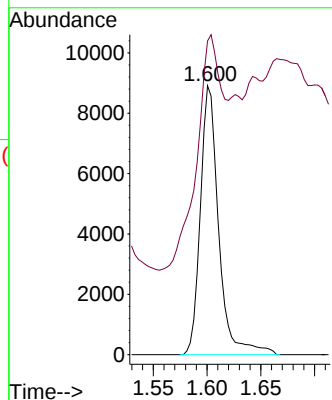
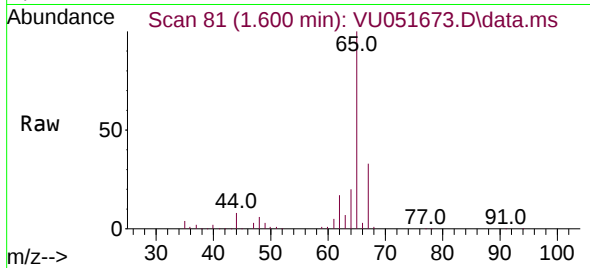




#5
 Vinyl chloride
 Concen: 0.411 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051673.D
 Acq: 02 Nov 2022 00:02

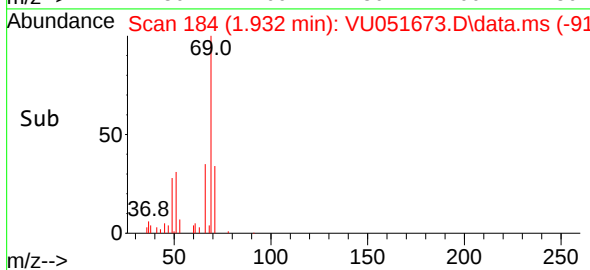
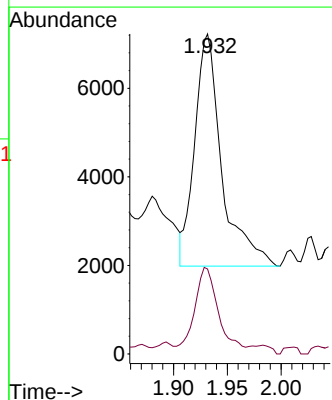
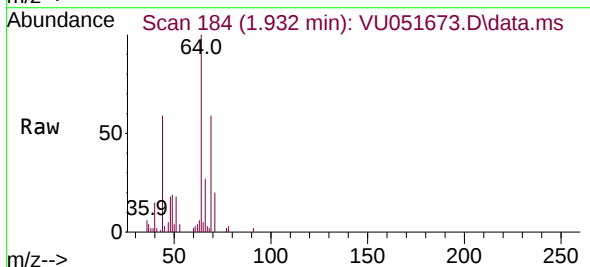
Instrument :
 MSVOA_U
 ClientSampleId :

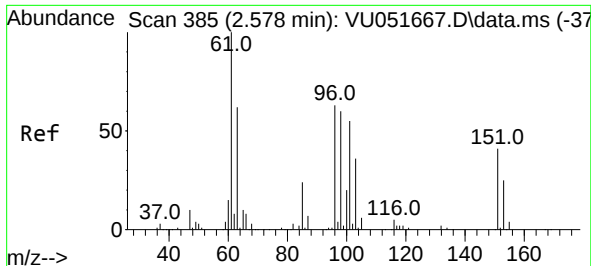
Tgt Ion: 62 Resp: 10565
 Ion Ratio Lower Upper
 62 100
 64 116.7 22.1 41.1#



#8
 Chloroethane
 Concen: 0.590 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. -0.000 min
 Lab File: VU051673.D
 Acq: 02 Nov 2022 00:02

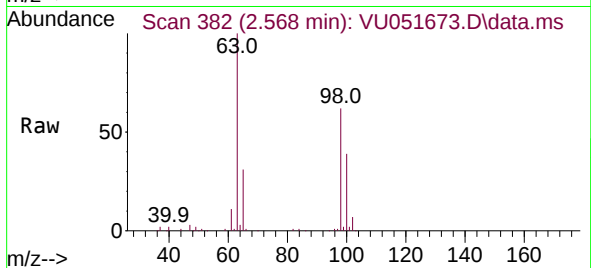
Tgt Ion: 64 Resp: 9215
 Ion Ratio Lower Upper
 64 100
 66 26.5 22.3 41.5



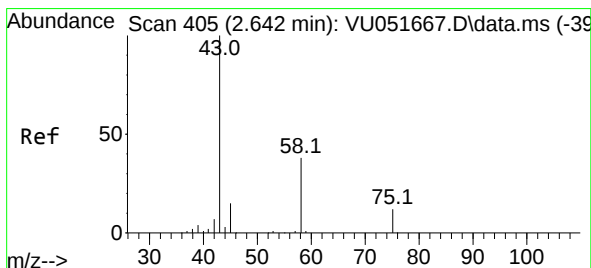
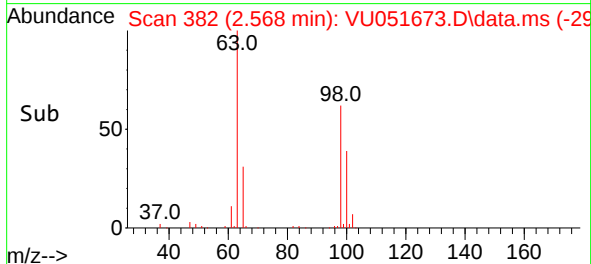
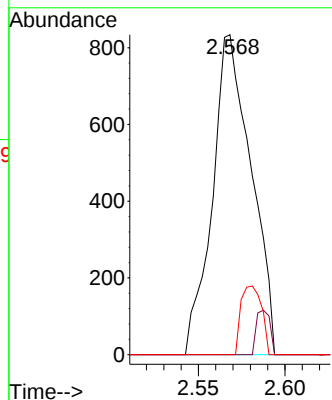


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.078 ug/L
RT: 2.568 min Scan# 385
Delta R.T. -0.010 min
Lab File: VU051673.D
Acq: 02 Nov 2022 00:02

Instrument :
MSVOA_U
ClientSampleId :

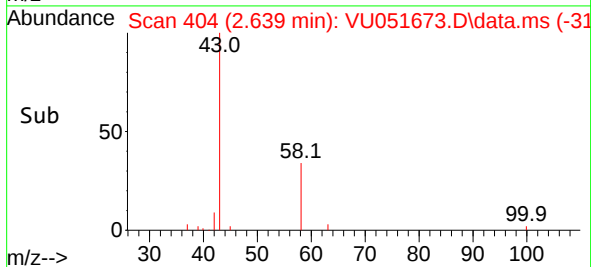
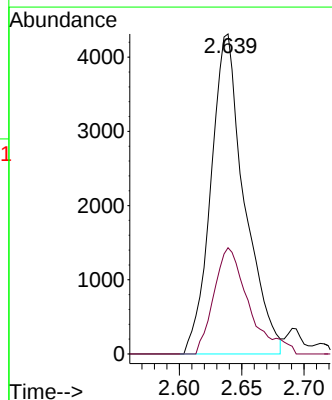
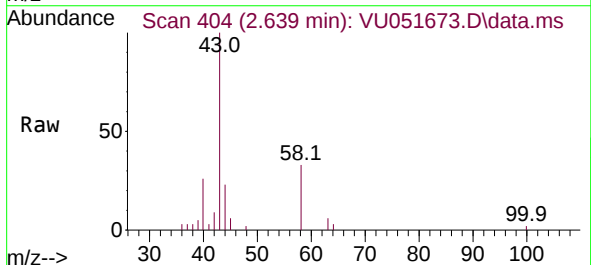


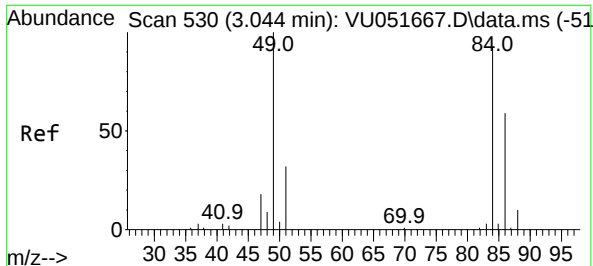
Tgt Ion:101 Resp: 1300
Ion Ratio Lower Upper
101 100
85 4.8 35.6 53.4#
151 11.4 59.6 89.4#



#13
Acetone
Concen: 2.999 ug/L
RT: 2.639 min Scan# 404
Delta R.T. -0.003 min
Lab File: VU051673.D
Acq: 02 Nov 2022 00:02

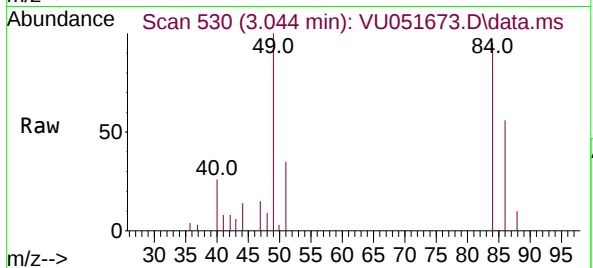
Tgt Ion: 43 Resp: 8081
Ion Ratio Lower Upper
43 100
58 34.5 0.0 73.8





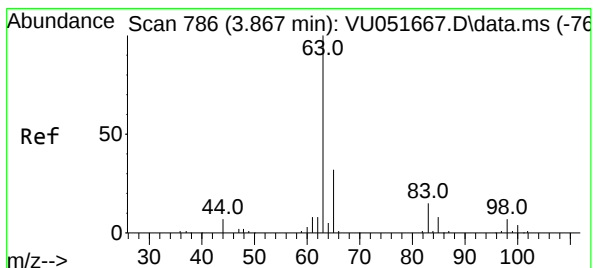
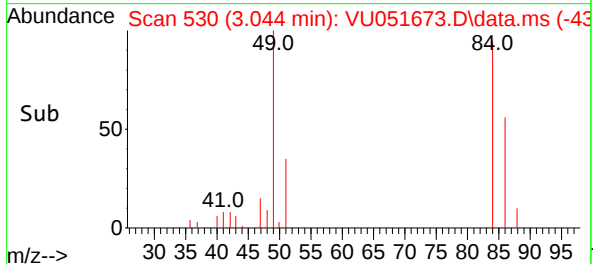
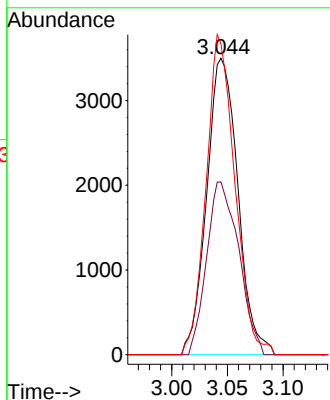
#16
Methylene chloride
Concen: 0.246 ug/L
RT: 3.044 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU051673.D
Acq: 02 Nov 2022 00:02

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 6834

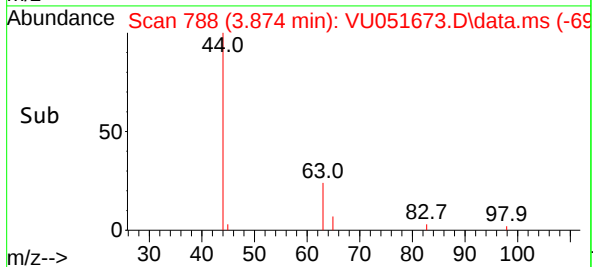
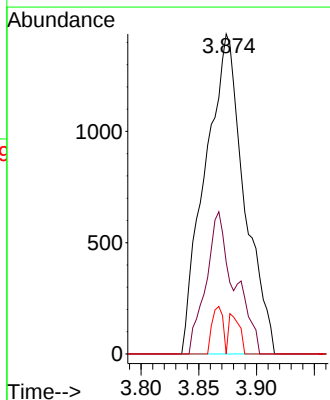
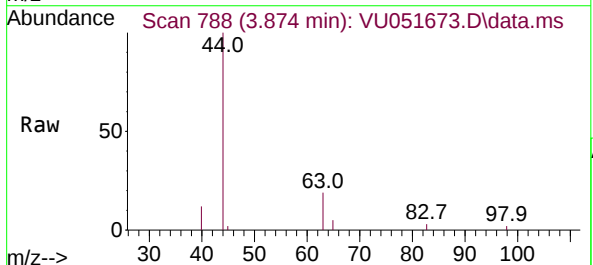
Ion	Ratio	Lower	Upper
84	100		
86	58.3	46.3	85.9
49	104.9	76.0	141.2

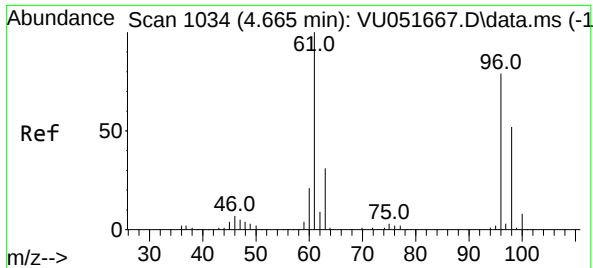


#19
1,1-Dichloroethane
Concen: 0.101 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.006 min
Lab File: VU051673.D
Acq: 02 Nov 2022 00:02

Tgt Ion: 63 Resp: 3375

Ion	Ratio	Lower	Upper
63	100		
65	28.7	22.7	42.1
83	0.0	9.2	17.0

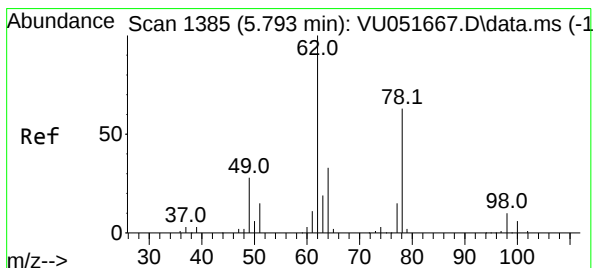
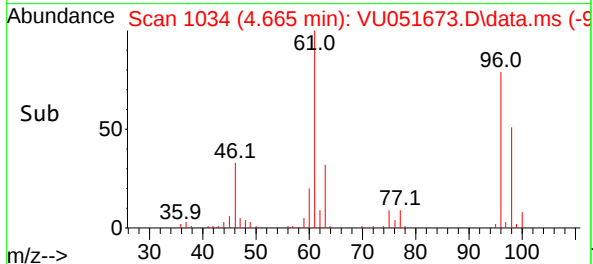
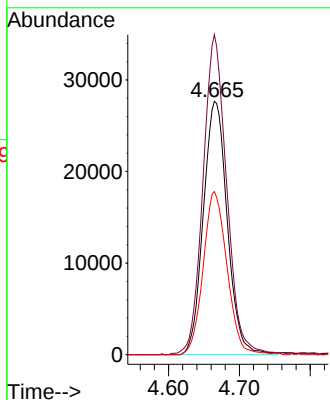
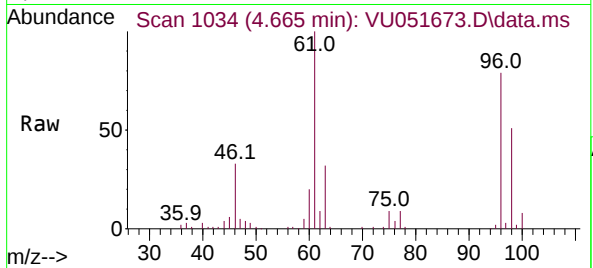




#22
 cis-1,2-Dichloroethene
 Concen: 3.235 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU051673.D
 Acq: 02 Nov 2022 00:02

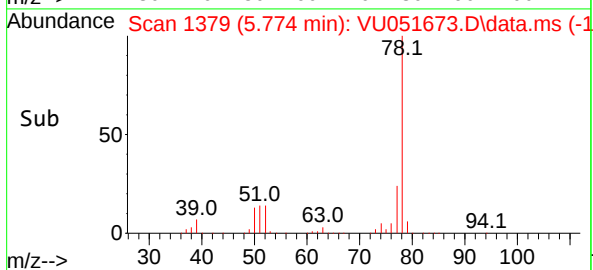
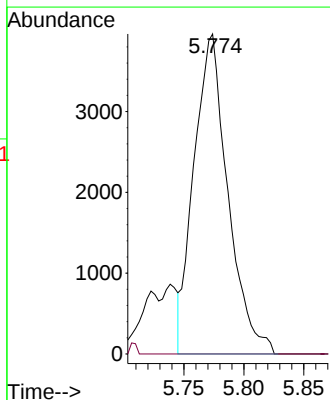
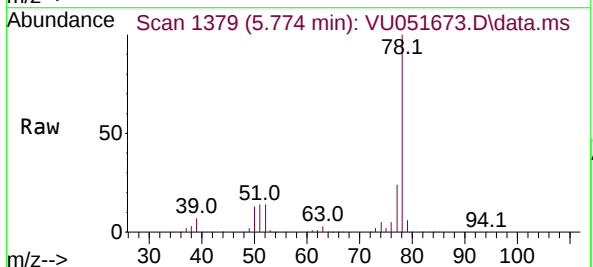
Instrument :
 MSVOA_U
 ClientSampleId :

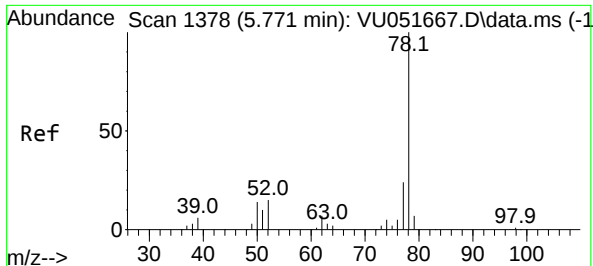
Tgt Ion: 96	Resp: 65024
Ion Ratio	Lower Upper
96 100	
61 126.4	86.4 160.4
98 64.4	44.2 82.2



#27
 1,2-Dichloroethane
 Concen: 0.363 ug/L
 RT: 5.774 min Scan# 1379
 Delta R.T. -0.019 min
 Lab File: VU051673.D
 Acq: 02 Nov 2022 00:02

Tgt Ion: 62	Resp: 7770
Ion Ratio	Lower Upper
62 100	
98 0.0	7.4 11.0#

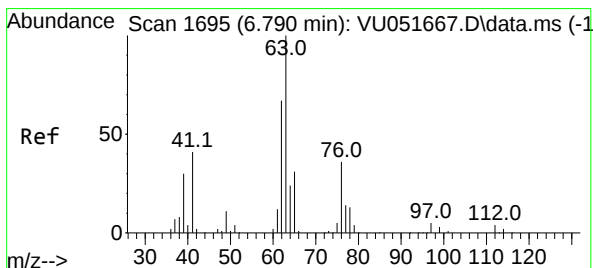
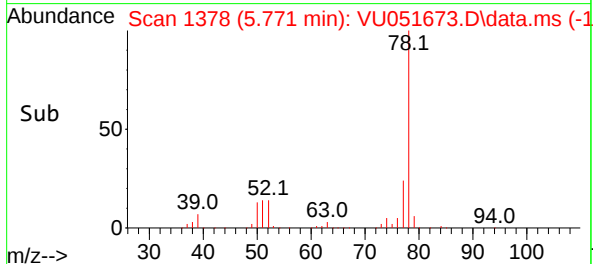
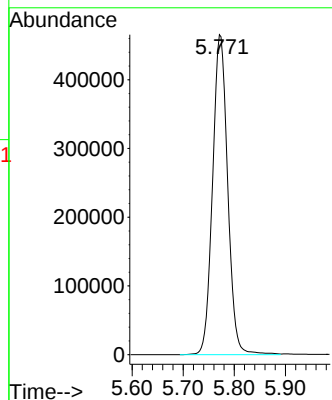
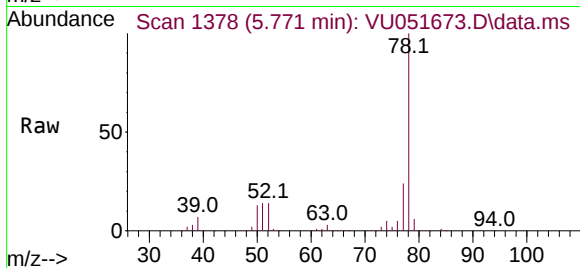




#33
Benzene
Concen: 12.287 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051673.D
Acq: 02 Nov 2022 00:02

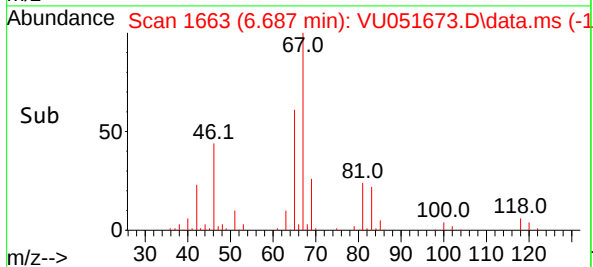
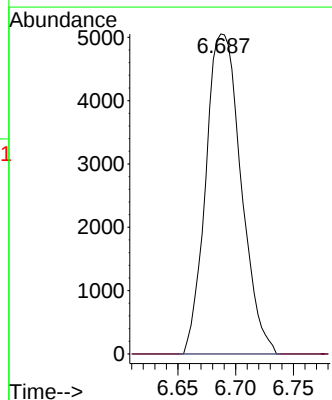
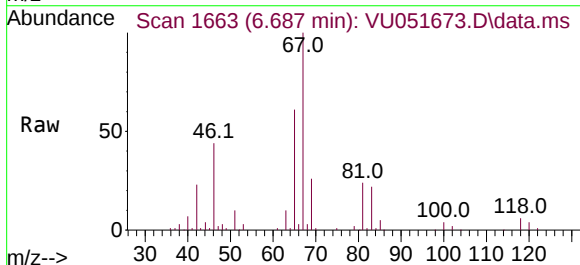
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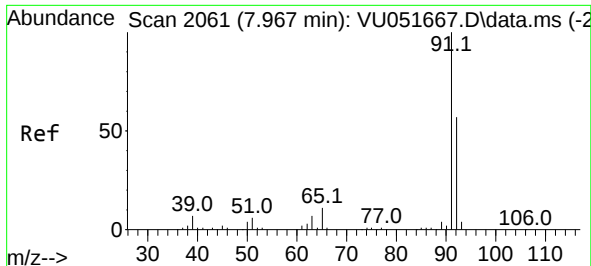
Tgt Ion: 78 Resp: 957077



#37
1,2-Dichloropropane
Concen: 0.536 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.103 min
Lab File: VU051673.D
Acq: 02 Nov 2022 00:02

Tgt Ion: 63 Resp: 10735
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#





#42

Toluene

Concen: 22.982 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051673.D

Acq: 02 Nov 2022 00:02

Instrument :

MSVOA_U

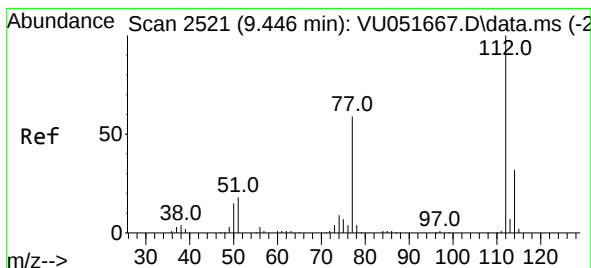
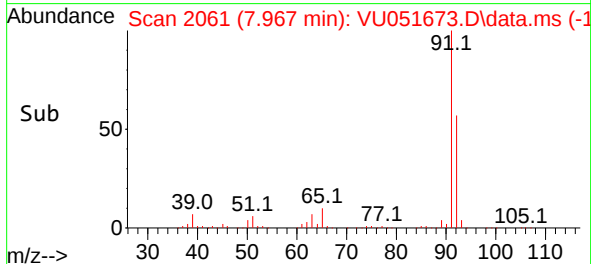
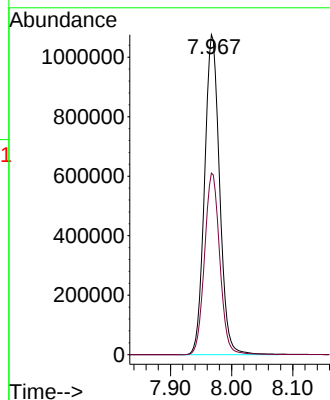
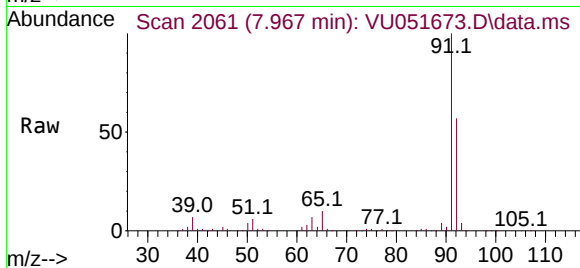
ClientSampleId :

Tgt Ion: 91 Resp: 1838436

Ion Ratio Lower Upper

91 100

92 56.8 40.5 75.3



#51

Chlorobenzene

Concen: 0.860 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051673.D

Acq: 02 Nov 2022 00:02

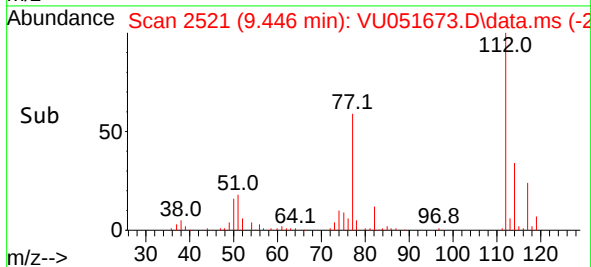
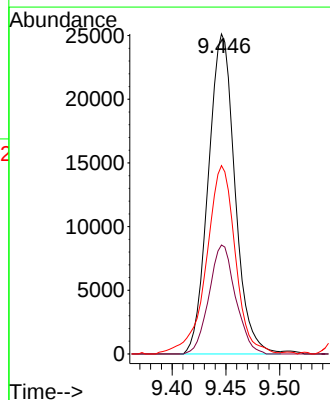
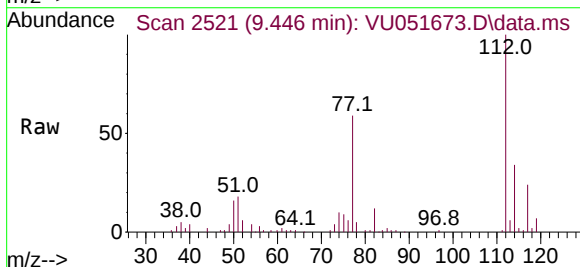
Tgt Ion: 112 Resp: 43305

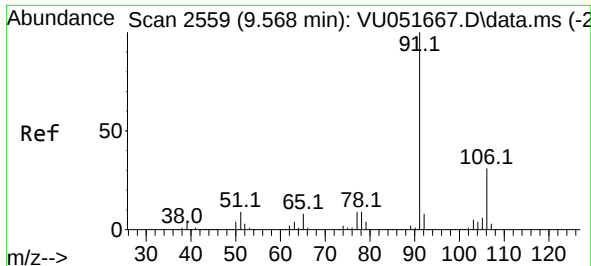
Ion Ratio Lower Upper

112 100

114 34.0 22.0 40.8

77 58.9 46.7 70.1

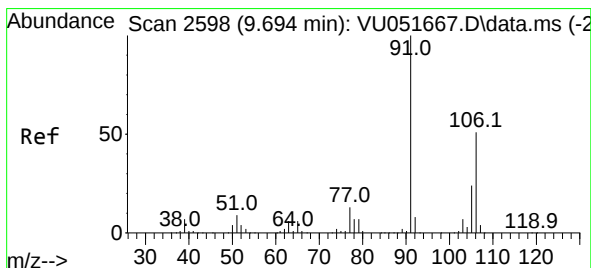
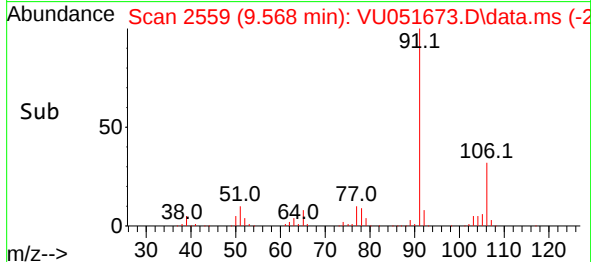
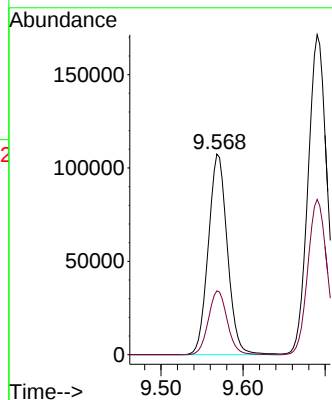
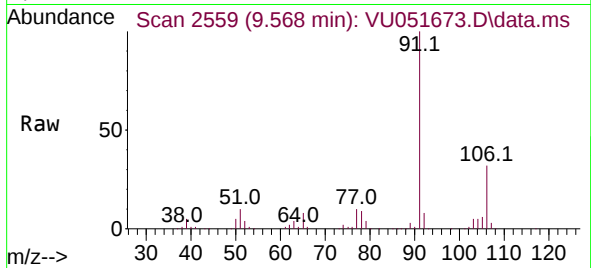




#52
Ethylbenzene
Concen: 2.254 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051673.D
Acq: 02 Nov 2022 00:02

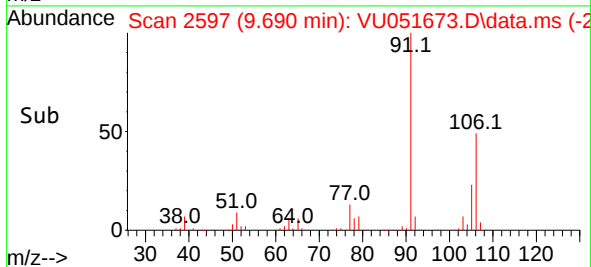
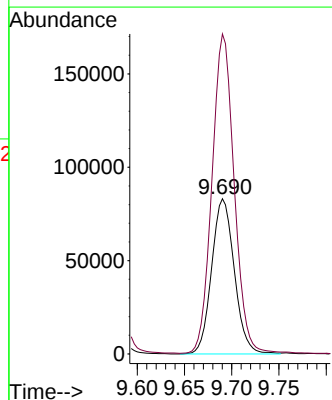
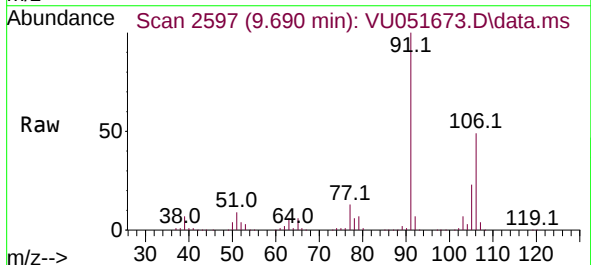
Instrument :
MSVOA_U
ClientSampleId :

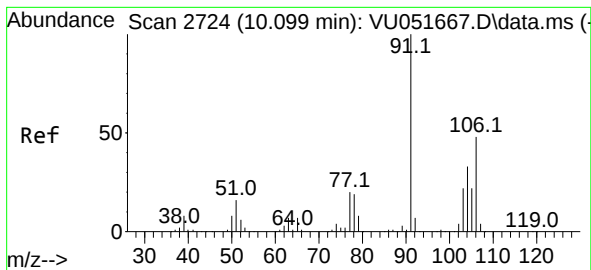
Tgt Ion: 91 Resp: 173976
Ion Ratio Lower Upper
91 100
106 31.9 21.8 40.6



#53
m,p-Xylene
Concen: 4.625 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051673.D
Acq: 02 Nov 2022 00:02

Tgt Ion: 106 Resp: 138657
Ion Ratio Lower Upper
106 100
91 206.1 139.4 259.0





#54

o-Xylene

Concen: 1.278 ug/L

RT: 10.099 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051673.D

Acq: 02 Nov 2022 00:02

Instrument :

MSVOA_U

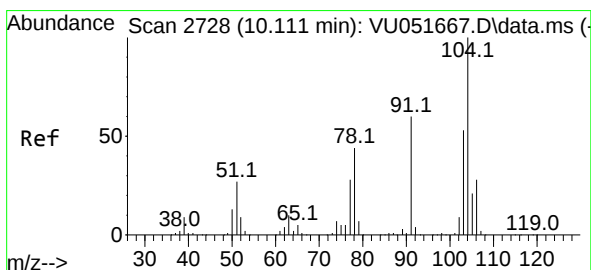
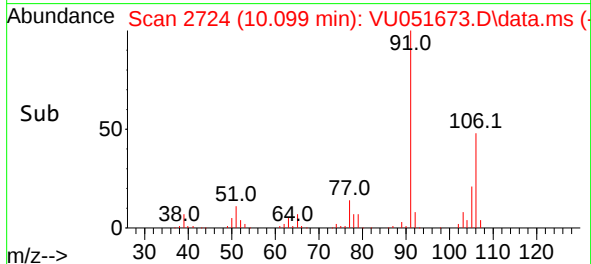
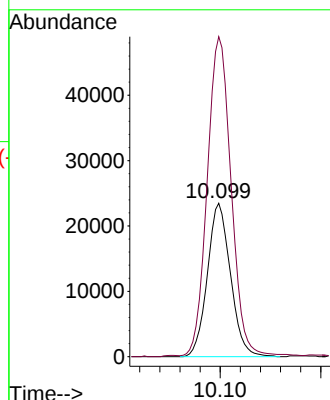
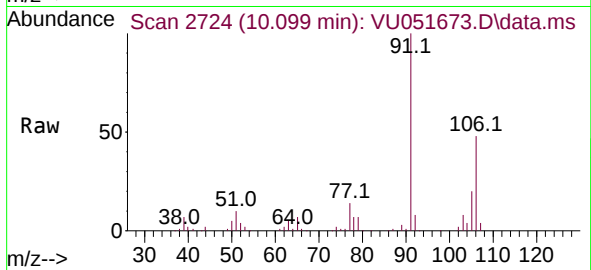
ClientSampleId :

Tgt Ion:106 Resp: 37444

Ion Ratio Lower Upper

106 100

91 208.6 149.2 277.2



#55

Styrene

Concen: 0.063 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. -0.010 min

Lab File: VU051673.D

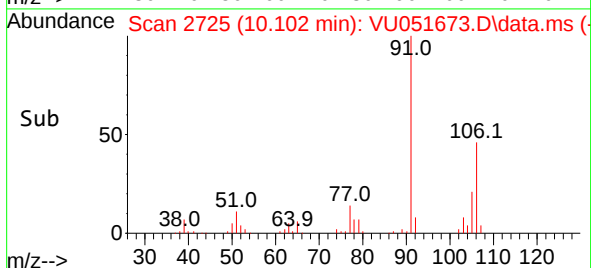
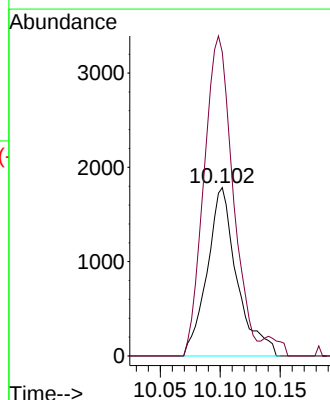
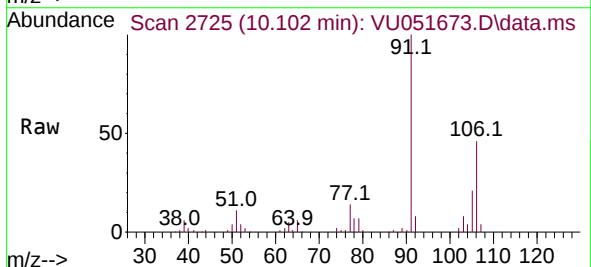
Acq: 02 Nov 2022 00:02

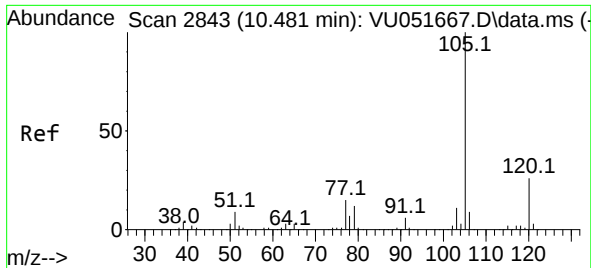
Tgt Ion:104 Resp: 3073

Ion Ratio Lower Upper

104 100

78 180.4 31.8 59.0#

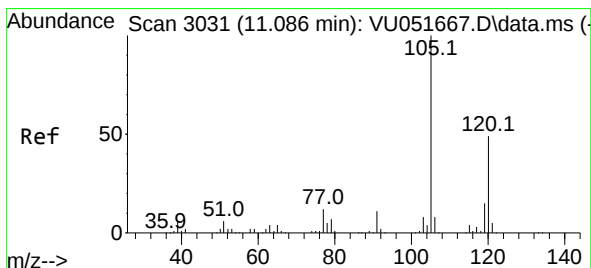
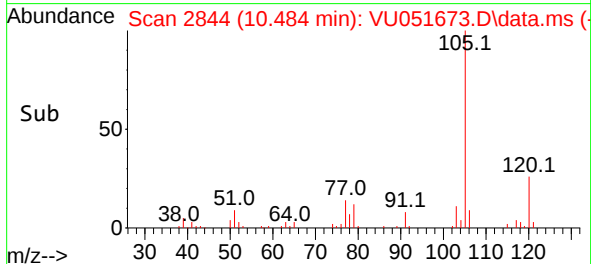
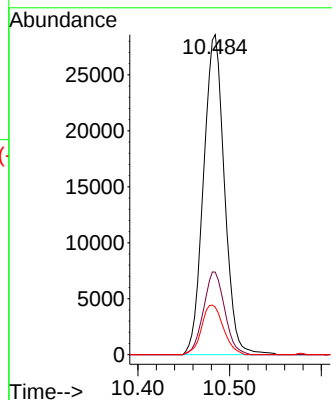
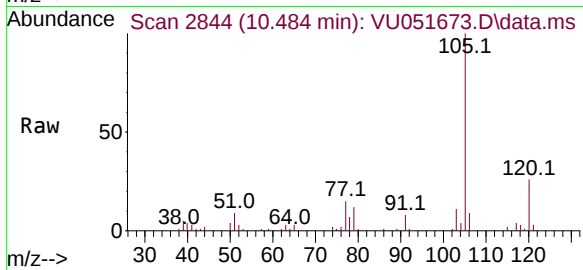




#60
Isopropylbenzene
Concen: 0.696 ug/L
RT: 10.484 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051673.D
Acq: 02 Nov 2022 00:02

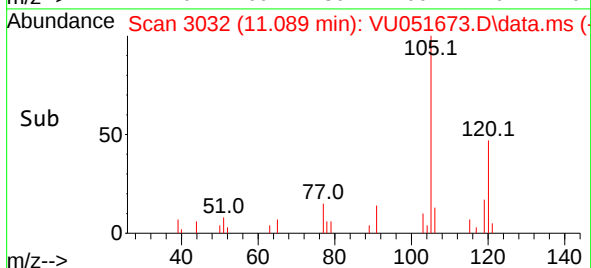
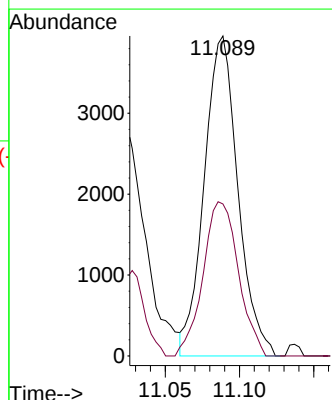
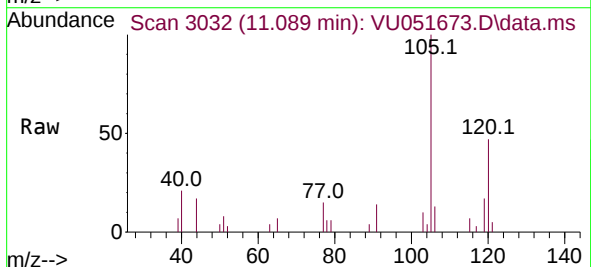
Instrument :
MSVOA_U
ClientSampleId :

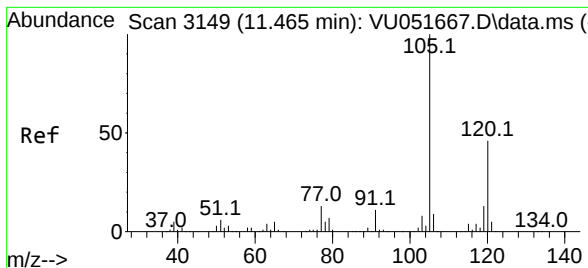
Tgt Ion:105 Resp: 45252
Ion Ratio Lower Upper
105 100
120 26.3 20.9 31.3
77 16.2 12.3 18.5



#62
1,3,5-Trimethylbenzene
Concen: 0.356 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.003 min
Lab File: VU051673.D
Acq: 02 Nov 2022 00:02

Tgt Ion:105 Resp: 6236
Ion Ratio Lower Upper
105 100
120 50.6 38.6 57.8





#63

1,2,4-Trimethylbenzene

Concen: 0.520 ug/L

RT: 11.468 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU051673.D

Acq: 02 Nov 2022 00:02

Instrument :

MSVOA_U

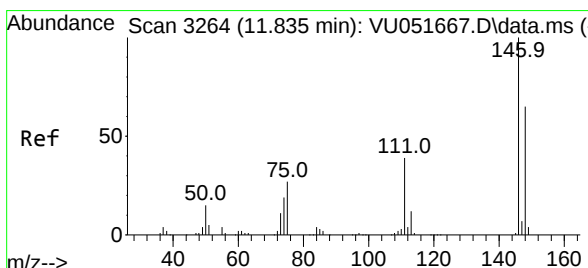
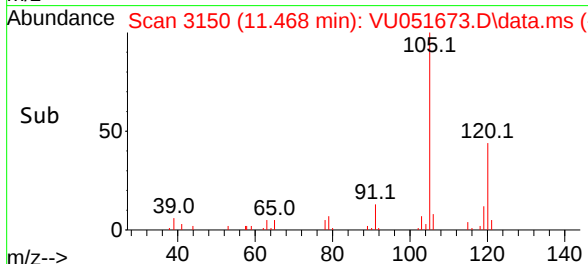
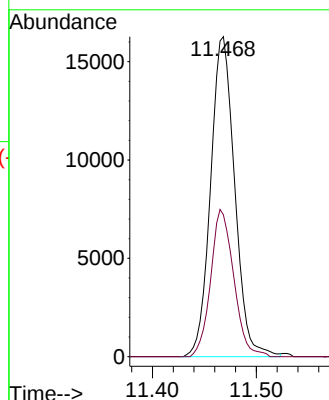
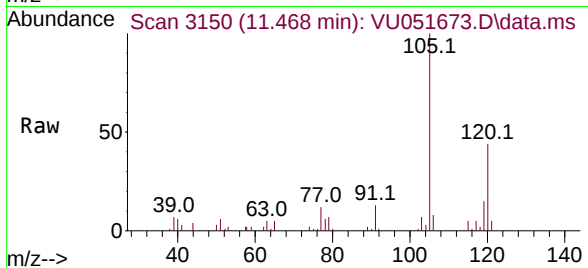
ClientSampleId :

Tgt Ion:105 Resp: 26227

Ion Ratio Lower Upper

105 100

120 44.0 35.8 53.6



#65

1,4-Dichlorobenzene

Concen: 0.100 ug/L

RT: 11.828 min Scan# 3262

Delta R.T. -0.007 min

Lab File: VU051673.D

Acq: 02 Nov 2022 00:02

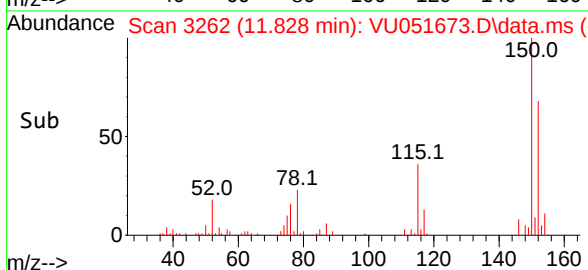
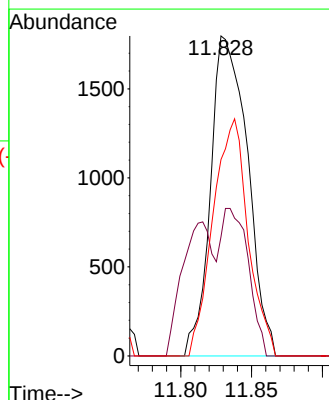
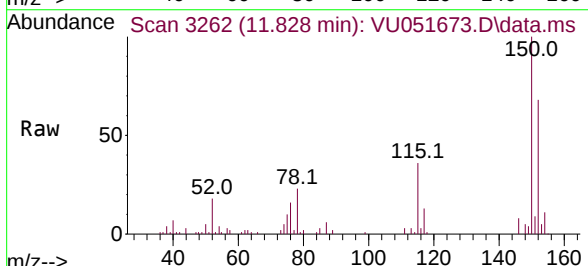
Tgt Ion:146 Resp: 3254

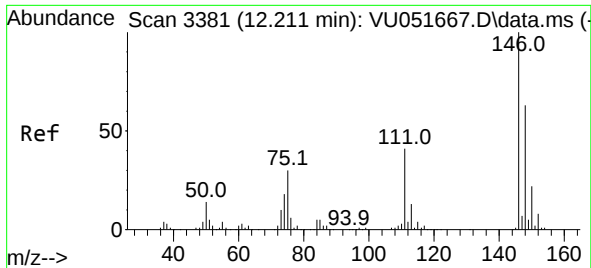
Ion Ratio Lower Upper

146 100

111 37.2 26.7 49.5

148 61.4 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 0.126 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

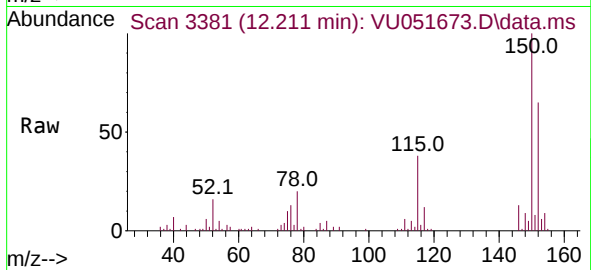
Lab File: VU051673.D

Acq: 02 Nov 2022 00:02

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 3961

Ion Ratio Lower Upper

146 100

111 48.7 34.2 51.2

148 72.2 50.1 75.1

