

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101022\
 Data File : VU051328.D
 Acq On : 10 Oct 2022 15:38
 Operator : JC/MD
 Sample : N5013-01DL 25X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 01:01:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 11 00:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	227775	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	236211	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	108224	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	59119	3.218	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.909	69	59574	3.774	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.562	65	24571	3.383	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.600%
20) 2-Butanone-d5	4.620	46	202240	49.995	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.000%
24) Chloroform-d	5.060	84	139845	4.083	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
26) 1,2-Dichloroethane-d4	5.700	65	77483	4.386	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
32) Benzene-d6	5.726	84	253905	3.907	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
36) 1,2-Dichloropropane-d6	6.690	67	95023	4.306	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.200%
41) Toluene-d8	7.896	98	198548	3.415	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.400%#
43) trans-1,3-Dichloroprop...	8.179	79	32854	4.531	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.632	63	121685	49.797	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.600%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	81777	4.639	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	84831	4.510	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.601	62	11564	0.452	ug/L	88
8) Chloroethane	1.932	64	15479	0.948	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	818	0.046	ug/L #	47
13) Acetone	2.626	43	9980	3.289	ug/L	91
16) Methylene chloride	3.041	84	12740	0.519	ug/L	98
19) 1,1-Dichloroethane	3.867	63	4678	0.130	ug/L #	85
22) cis-1,2-Dichloroethene	4.668	96	51842	2.678	ug/L	93
27) 1,2-Dichloroethane	5.771	62	12170	0.539	ug/L #	74
33) Benzene	5.771	78	1436040	18.210	ug/L	100
37) 1,2-Dichloropropane	6.690	63	9409	0.435	ug/L #	89
42) Toluene	7.967	91	2259509	26.994	ug/L	100
51) Chlorobenzene	9.446	112	194962	3.898	ug/L	99
52) Ethylbenzene	9.568	91	247884	3.295	ug/L	100
53) m,p-Xylene	9.690	106	268046	9.188	ug/L	98
54) o-Xylene	10.099	106	66978	2.426	ug/L	98
55) Styrene	10.099	104	5908	0.124	ug/L #	1
60) Isopropylbenzene	10.481	105	46863	0.684	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	11161	0.614	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	45676	0.888	ug/L	100

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 11 00:58:34 2022
Response via : Initial Calibration

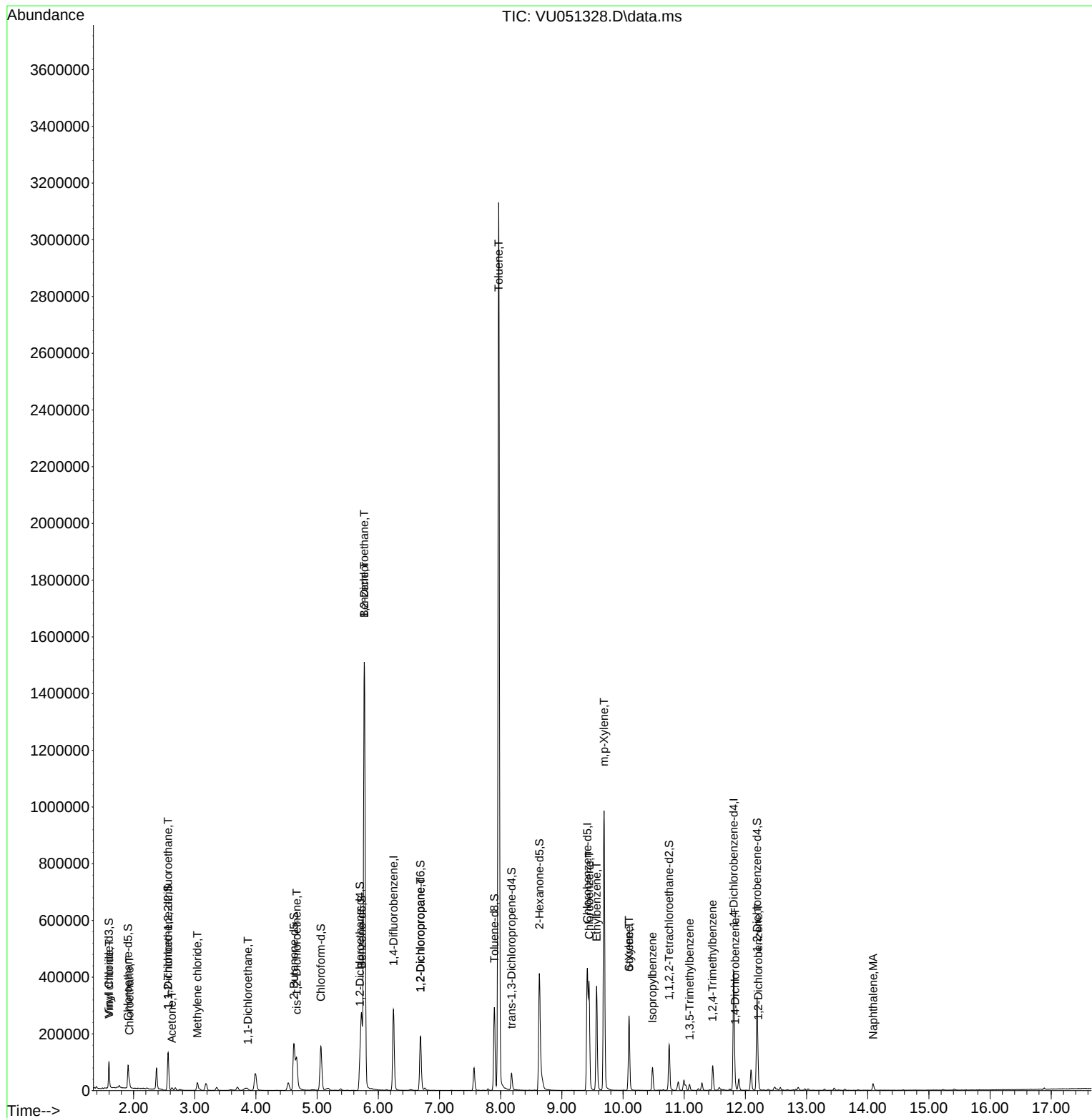
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.832	146	7071	0.212	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	9364	0.284	ug/L	97
71) Naphthalene	14.089	128	21005	0.680	ug/L	98

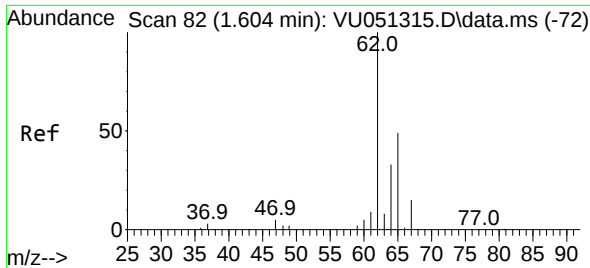
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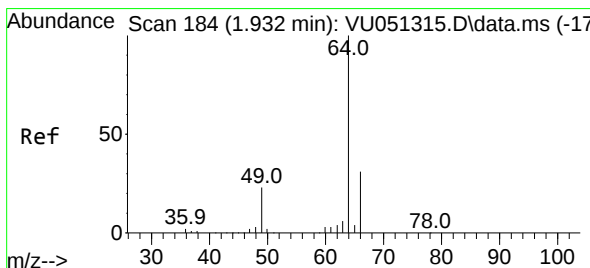
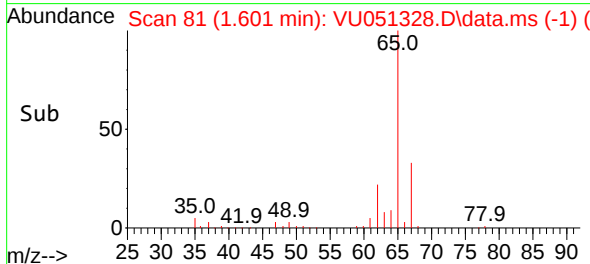
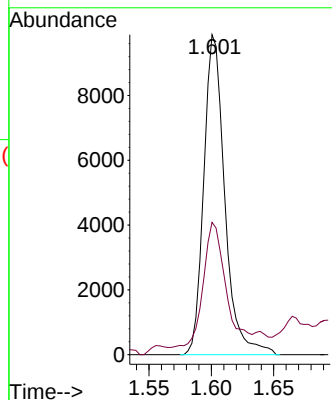
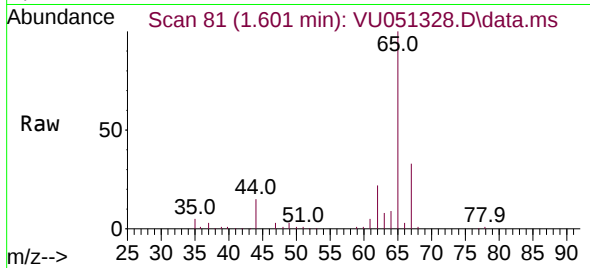




#5
 Vinyl chloride
 Concen: 0.452 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU051328.D
 Acq: 10 Oct 2022 15:38

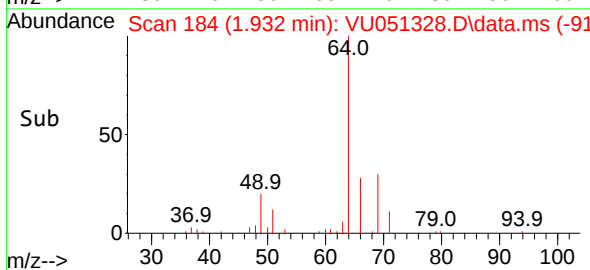
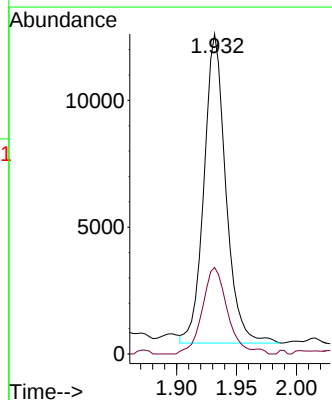
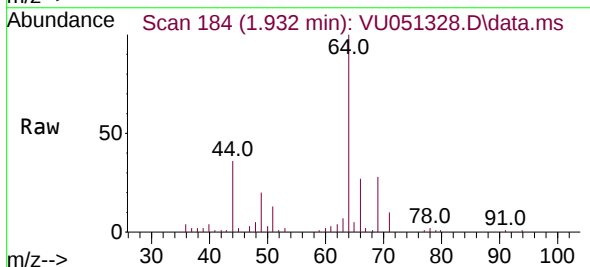
Instrument :
 MSVOA_U
 ClientSampleId :

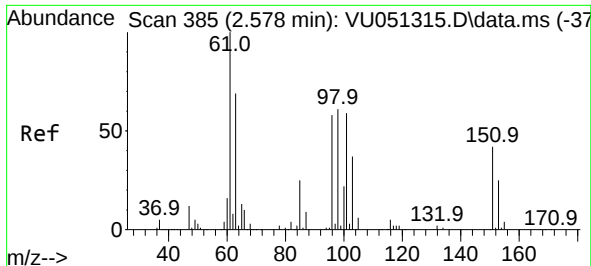
Tgt Ion: 62 Resp: 11564
 Ion Ratio Lower Upper
 62 100
 64 41.3 24.0 44.6



#8
 Chloroethane
 Concen: 0.948 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. -0.000 min
 Lab File: VU051328.D
 Acq: 10 Oct 2022 15:38

Tgt Ion: 64 Resp: 15479
 Ion Ratio Lower Upper
 64 100
 66 27.0 22.3 41.3

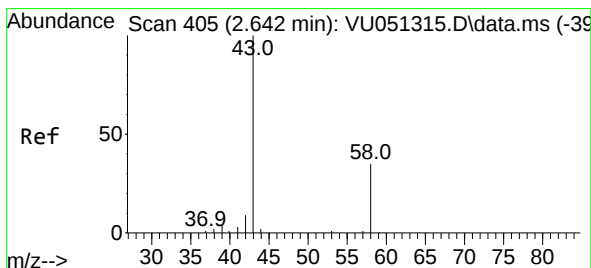
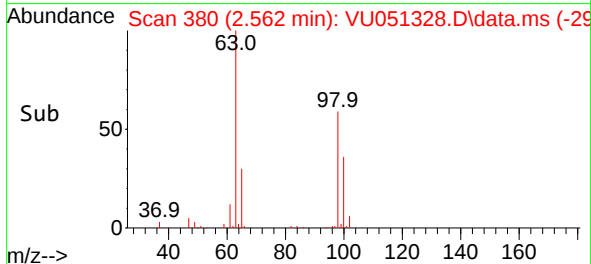
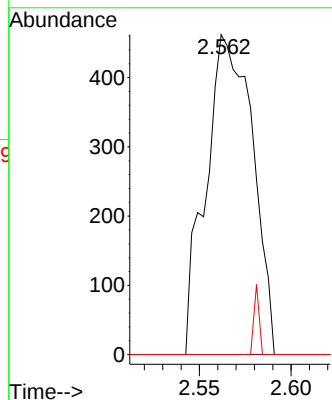
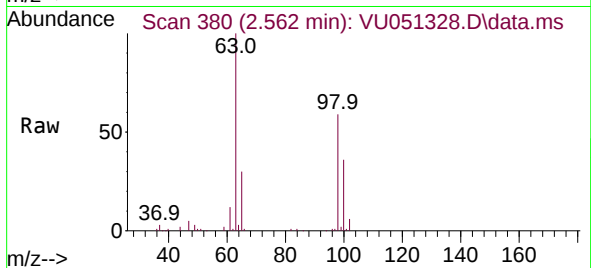




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.046 ug/L
 RT: 2.562 min Scan# 385
 Delta R.T. -0.016 min
 Lab File: VU051328.D
 Acq: 10 Oct 2022 15:38

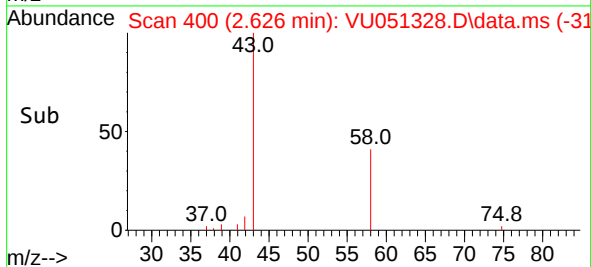
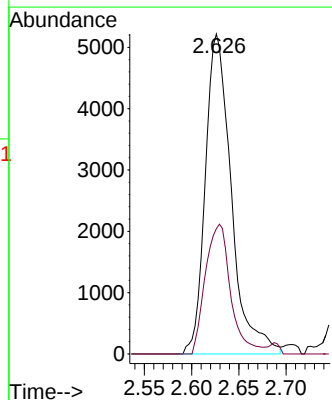
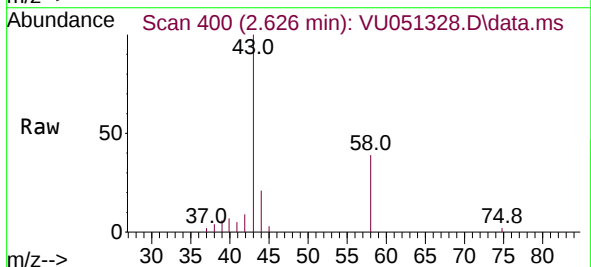
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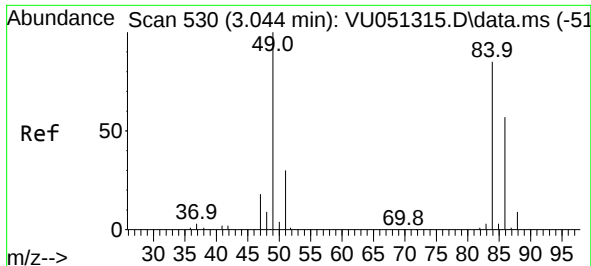
Tgt Ion:101 Resp: 818
 Ion Ratio Lower Upper
 101 100
 85 40.2 34.6 51.8
 151 2.3 56.5 84.7#



#13
 Acetone
 Concen: 3.289 ug/L
 RT: 2.626 min Scan# 400
 Delta R.T. -0.016 min
 Lab File: VU051328.D
 Acq: 10 Oct 2022 15:38

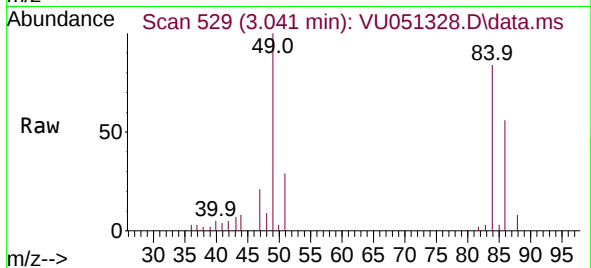
Tgt Ion: 43 Resp: 9980
 Ion Ratio Lower Upper
 43 100
 58 39.3 0.0 68.8



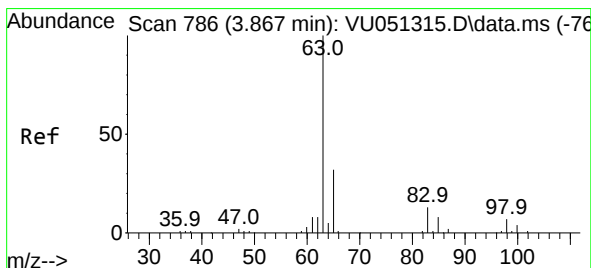
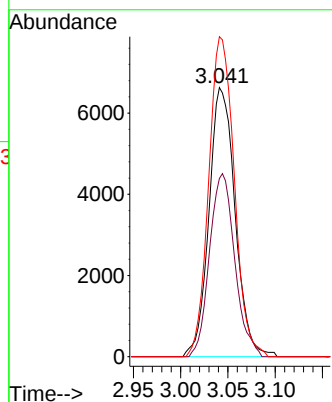
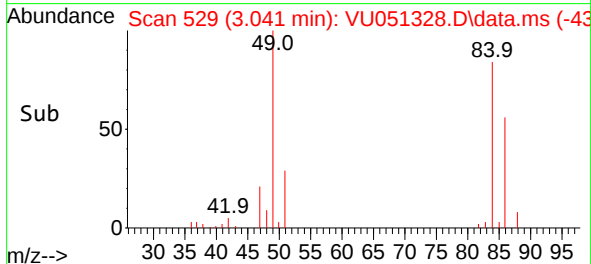


#16
Methylene chloride
Concen: 0.519 ug/L
RT: 3.041 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU051328.D
Acq: 10 Oct 2022 15:38

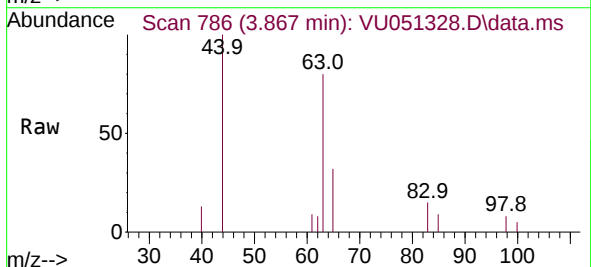
Instrument :
MSVOA_U
ClientSampleId :



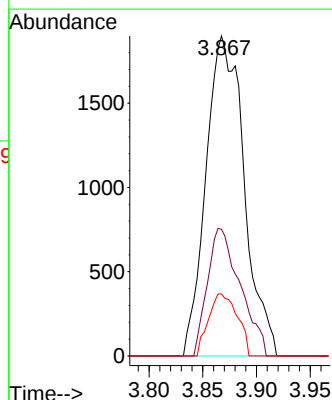
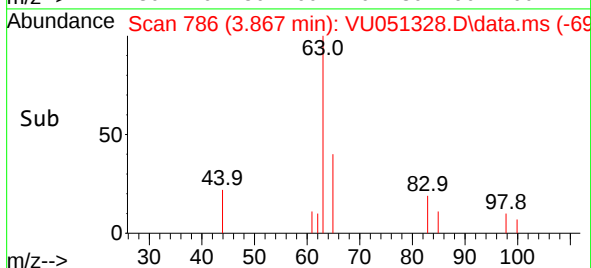
Tgt Ion: 84 Resp: 12740
Ion Ratio Lower Upper
84 100
86 66.2 46.5 86.3
49 118.9 81.3 151.1

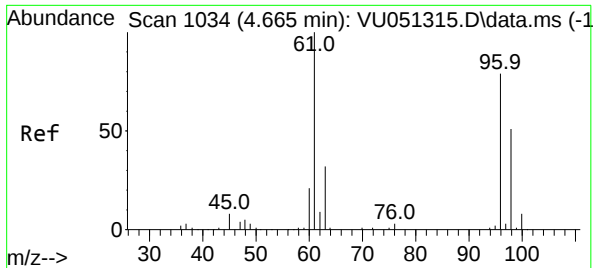


#19
1,1-Dichloroethane
Concen: 0.130 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU051328.D
Acq: 10 Oct 2022 15:38



Tgt Ion: 63 Resp: 4678
Ion Ratio Lower Upper
63 100
65 39.6 22.0 41.0
83 19.4 9.0 16.6#

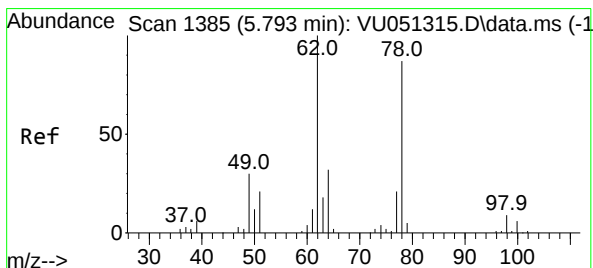
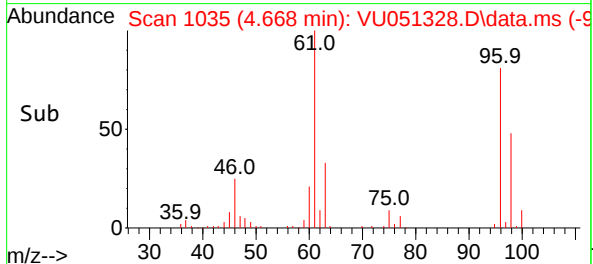
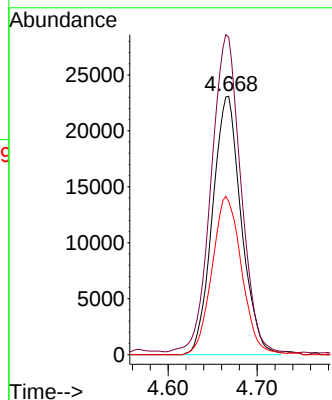
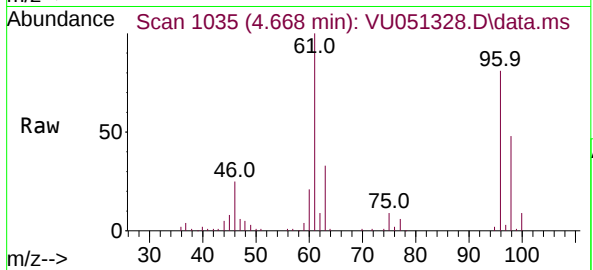




#22
 cis-1,2-Dichloroethene
 Concen: 2.678 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.003 min
 Lab File: VU051328.D
 Acq: 10 Oct 2022 15:38

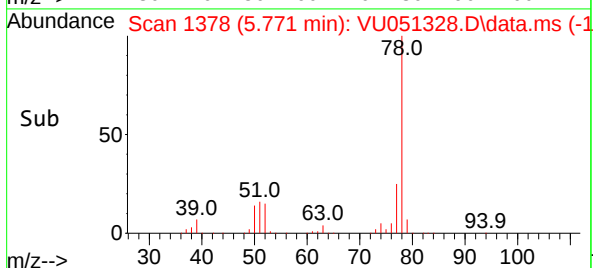
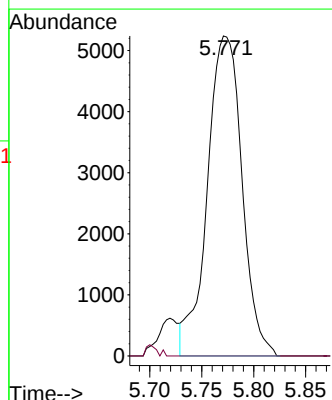
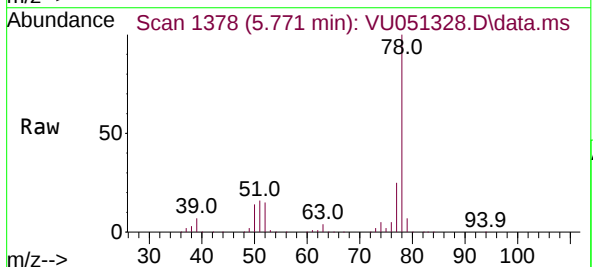
Instrument :
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 ClientSampleId :

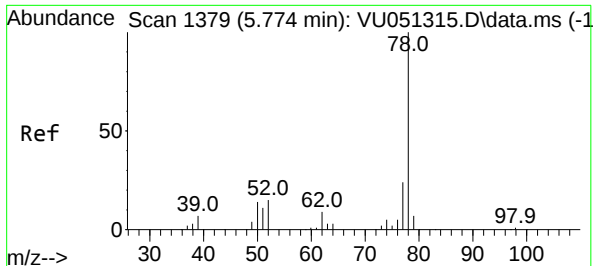
Tgt Ion: 96 Resp: 51842
 Ion Ratio Lower Upper
 96 100
 61 122.9 90.6 168.2
 98 59.3 47.5 88.3



#27
 1,2-Dichloroethane
 Concen: 0.539 ug/L
 RT: 5.771 min Scan# 1378
 Delta R.T. -0.023 min
 Lab File: VU051328.D
 Acq: 10 Oct 2022 15:38

Tgt Ion: 62 Resp: 12170
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.7 11.5#

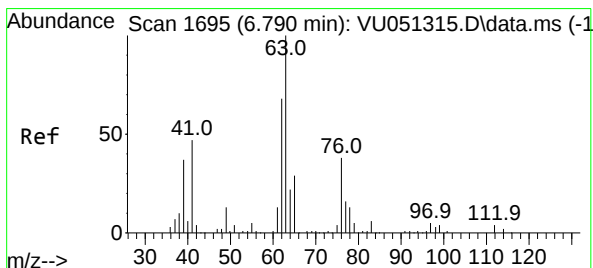
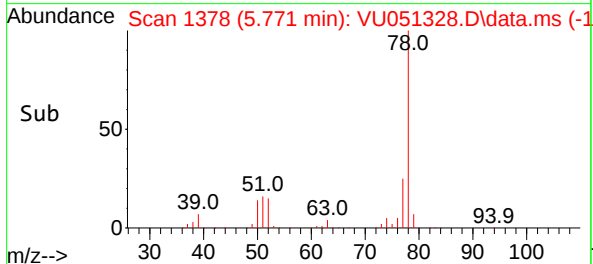
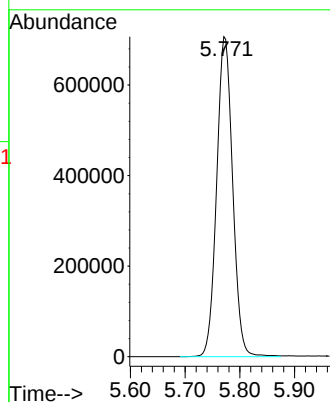
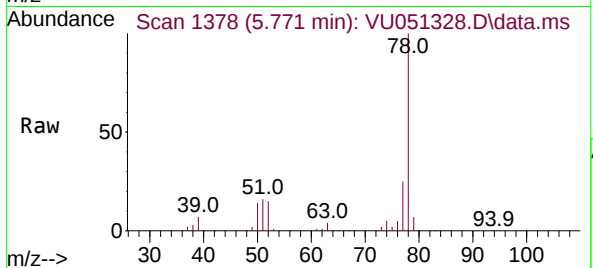




#33
Benzene
Concen: 18.210 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051328.D
Acq: 10 Oct 2022 15:38

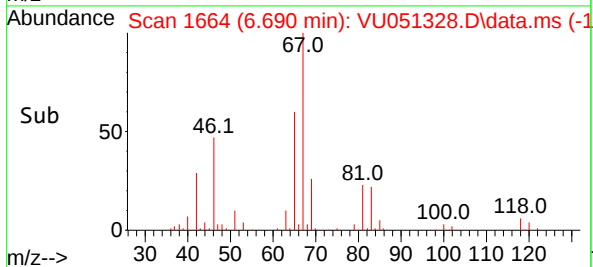
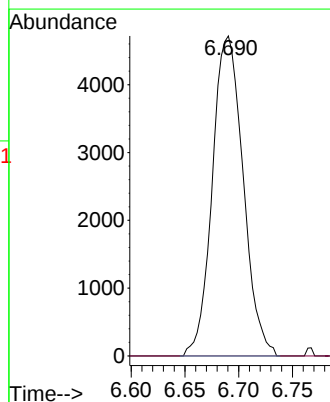
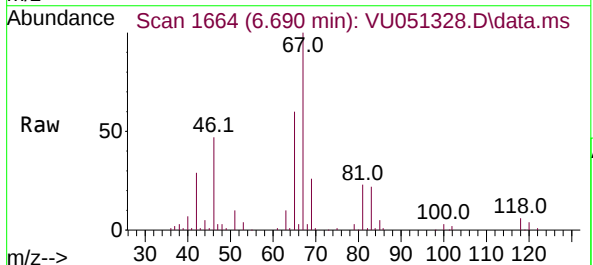
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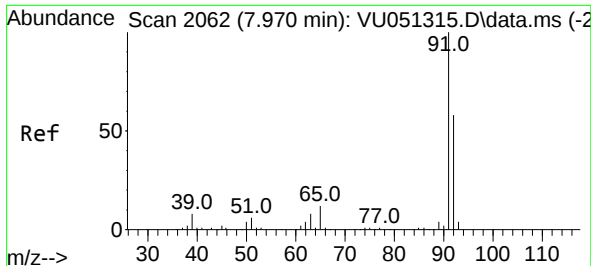
Tgt Ion: 78 Resp: 1436040



#37
1,2-Dichloropropane
Concen: 0.435 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.100 min
Lab File: VU051328.D
Acq: 10 Oct 2022 15:38

Tgt Ion: 63 Resp: 9409
Ion Ratio Lower Upper
63 100
112 0.4 3.2 4.8#





#42

Toluene

Concen: 26.994 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU051328.D

Acq: 10 Oct 2022 15:38

Instrument :

MSVOA_U

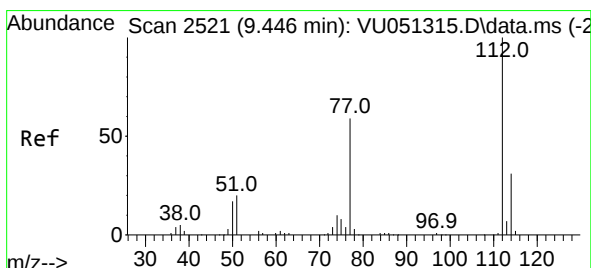
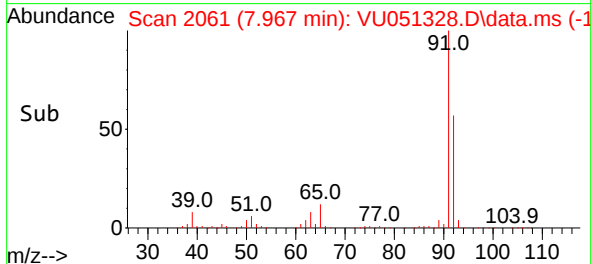
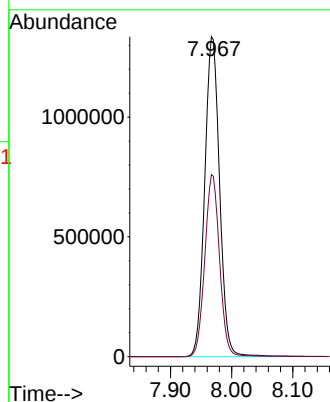
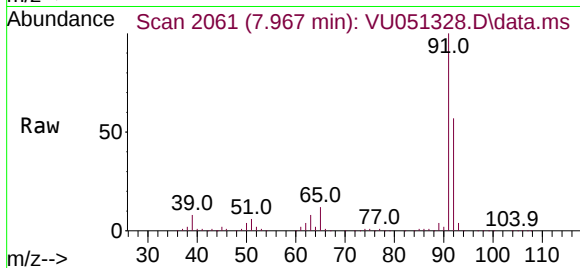
ClientSampleId :

Tgt Ion: 91 Resp: 2259509

Ion Ratio Lower Upper

91 100

92 56.9 39.9 74.1



#51

Chlorobenzene

Concen: 3.898 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051328.D

Acq: 10 Oct 2022 15:38

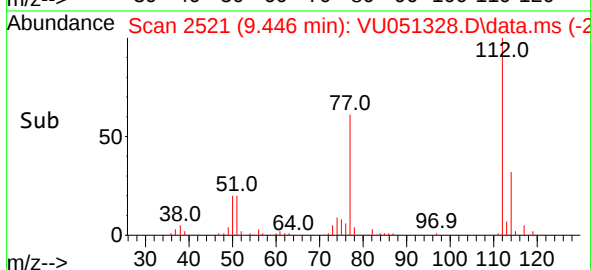
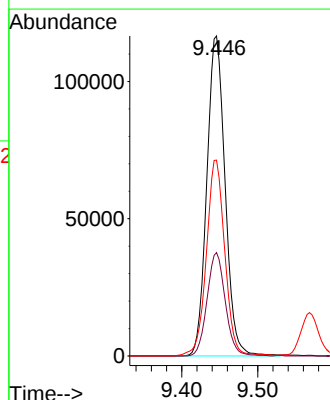
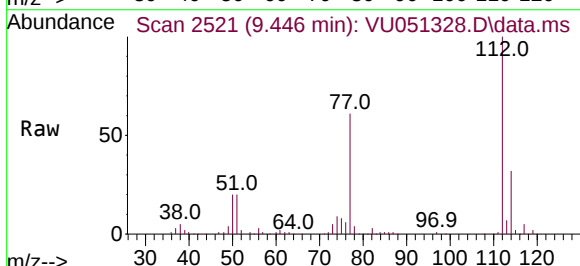
Tgt Ion: 112 Resp: 194962

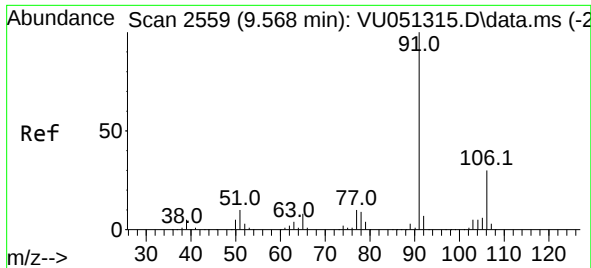
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.5

77 61.2 48.1 72.1

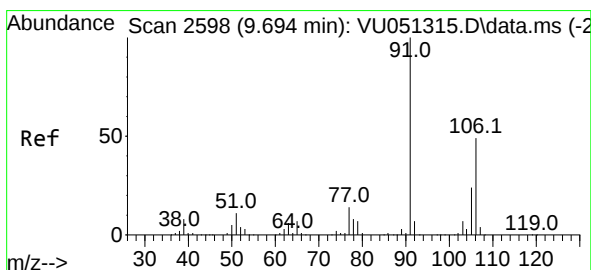
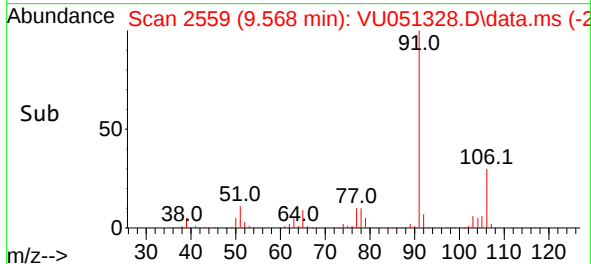
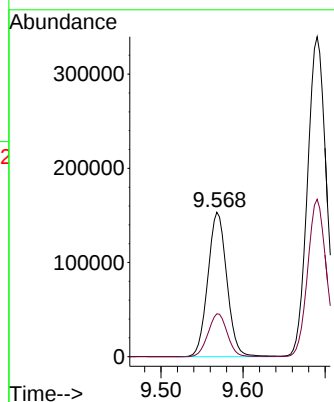
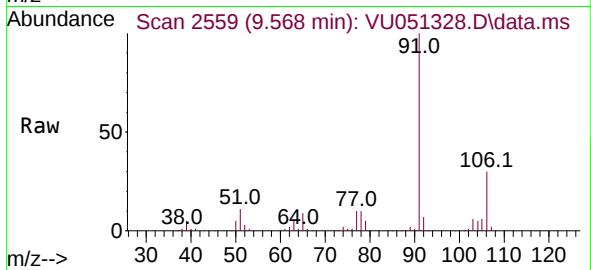




#52
Ethylbenzene
Concen: 3.295 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051328.D
Acq: 10 Oct 2022 15:38

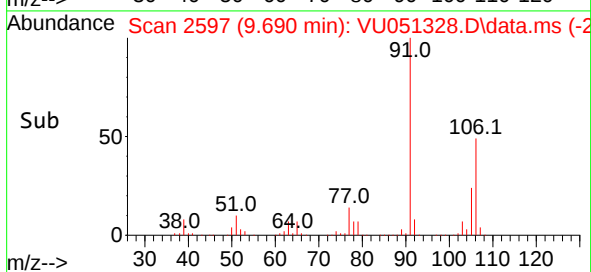
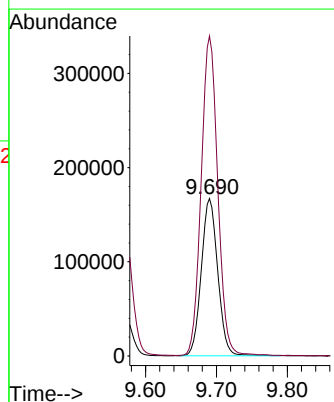
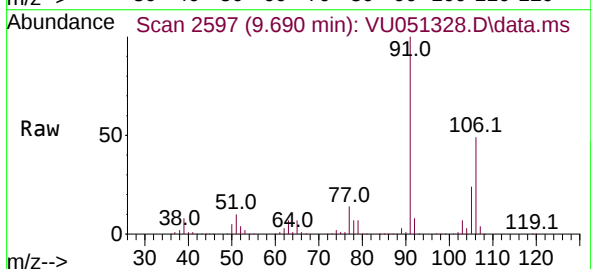
Instrument :
MSVOA_U
ClientSampleId :

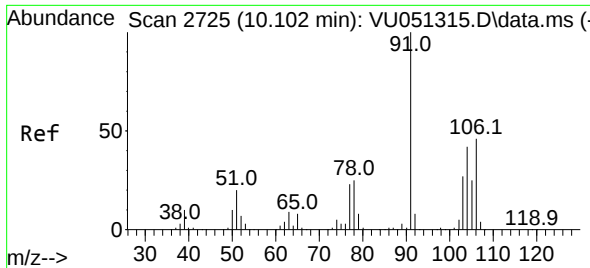
Tgt Ion: 91 Resp: 247884
Ion Ratio Lower Upper
91 100
106 29.6 20.9 38.7



#53
m,p-Xylene
Concen: 9.188 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051328.D
Acq: 10 Oct 2022 15:38

Tgt Ion: 106 Resp: 268046
Ion Ratio Lower Upper
106 100
91 203.2 143.9 267.3

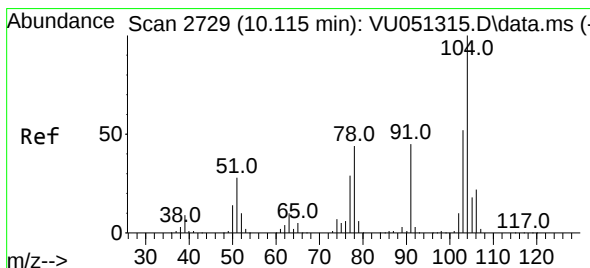
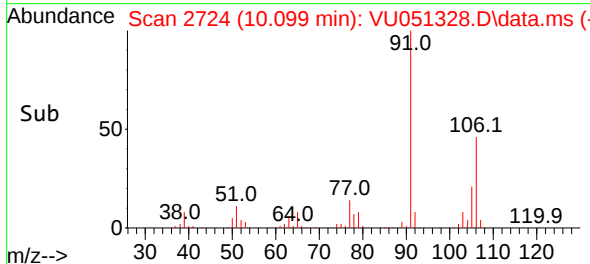
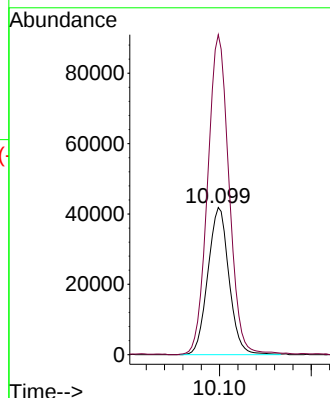
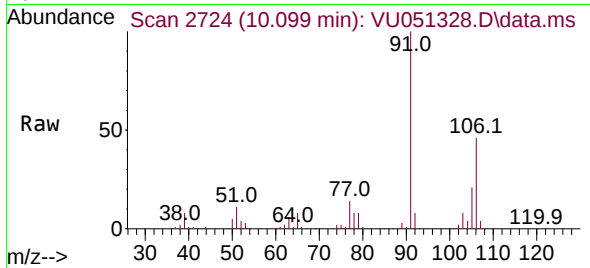




#54
o-Xylene
Concen: 2.426 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU051328.D
Acq: 10 Oct 2022 15:38

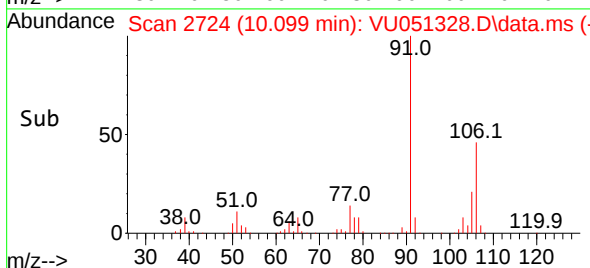
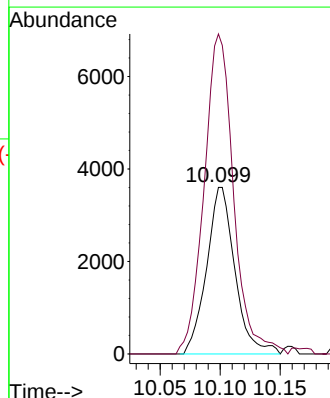
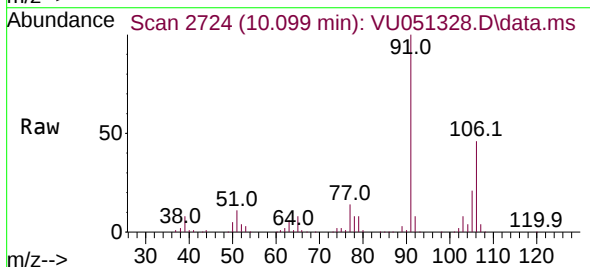
Instrument :
MSVOA_U
ClientSampleId :

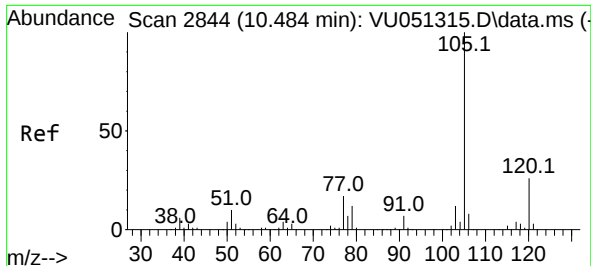
Tgt Ion:106 Resp: 66978
Ion Ratio Lower Upper
106 100
91 217.5 154.4 286.8



#55
Styrene
Concen: 0.124 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.016 min
Lab File: VU051328.D
Acq: 10 Oct 2022 15:38

Tgt Ion:104 Resp: 5908
Ion Ratio Lower Upper
104 100
78 192.1 32.1 59.7#

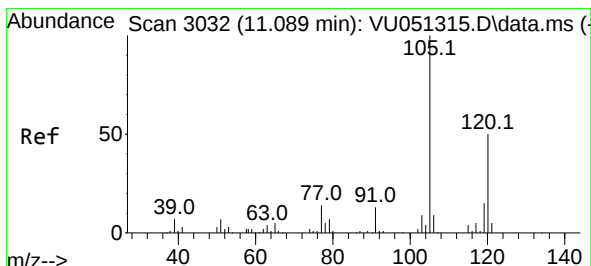
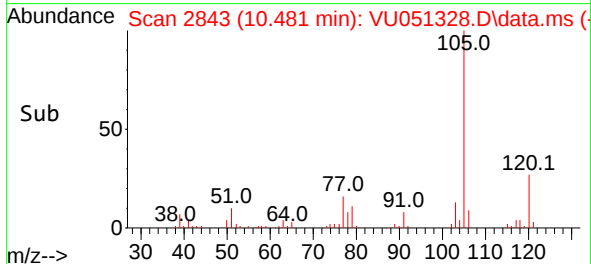
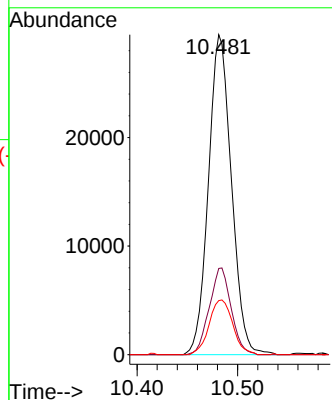
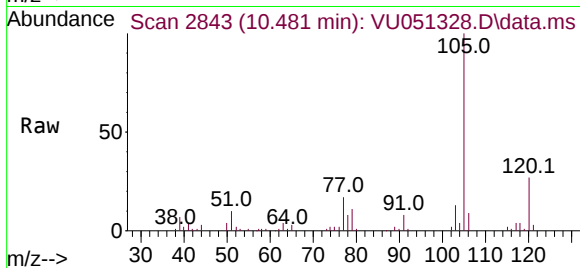




#60
Isopropylbenzene
Concen: 0.684 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU051328.D
Acq: 10 Oct 2022 15:38

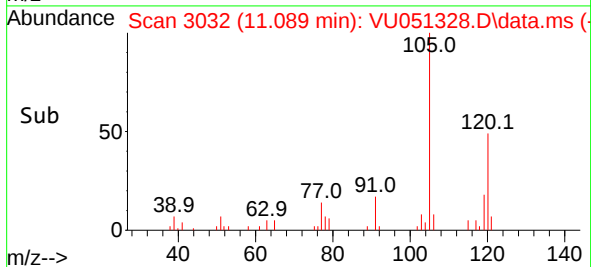
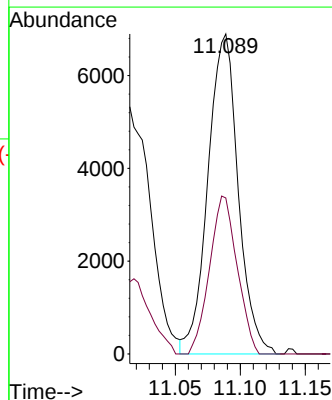
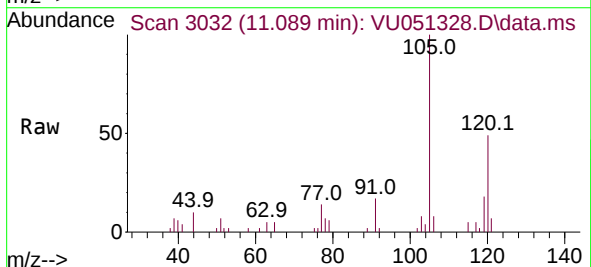
Instrument :
MSVOA_U
ClientSampleId :

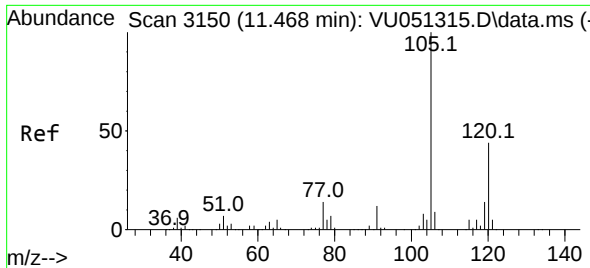
Tgt Ion:105 Resp: 46863
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8
77 17.6 13.5 20.3



#62
1,3,5-Trimethylbenzene
Concen: 0.614 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU051328.D
Acq: 10 Oct 2022 15:38

Tgt Ion:105 Resp: 11161
Ion Ratio Lower Upper
105 100
120 44.9 37.7 56.5

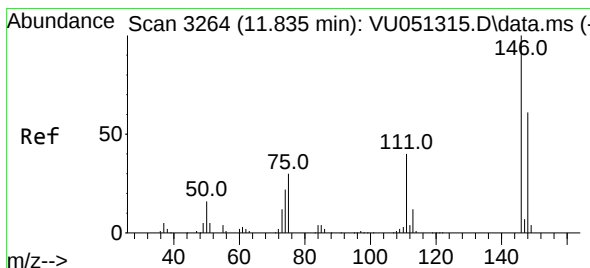
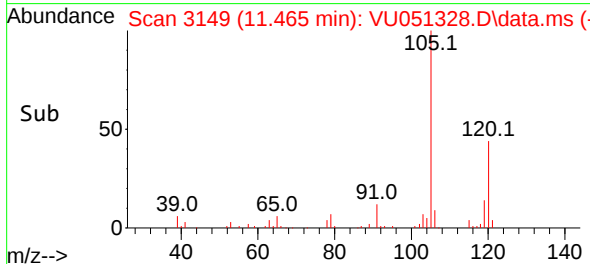
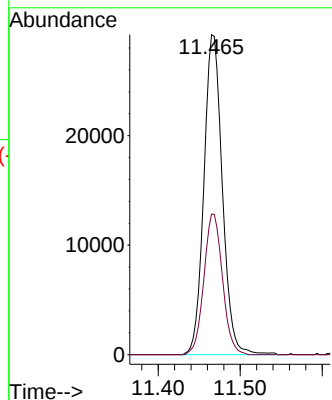
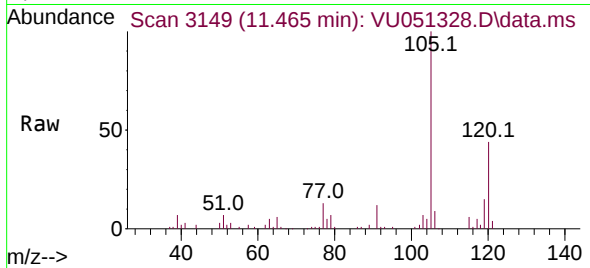




#63
1,2,4-Trimethylbenzene
Concen: 0.888 ug/L
RT: 11.465 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU051328.D
Acq: 10 Oct 2022 15:38

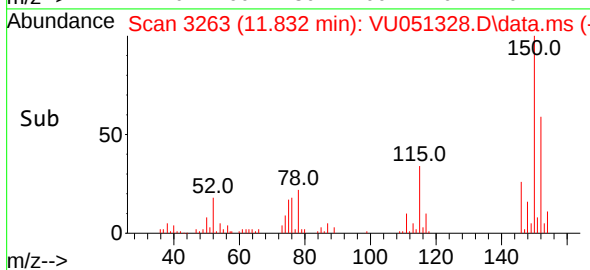
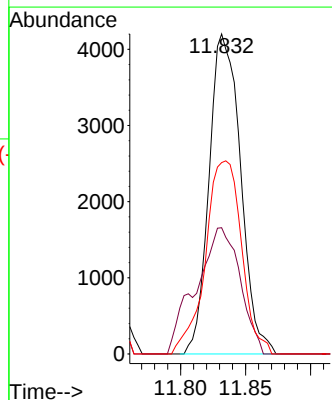
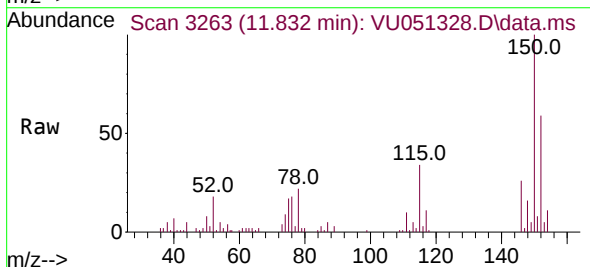
Instrument :
MSVOA_U
ClientSampleId :

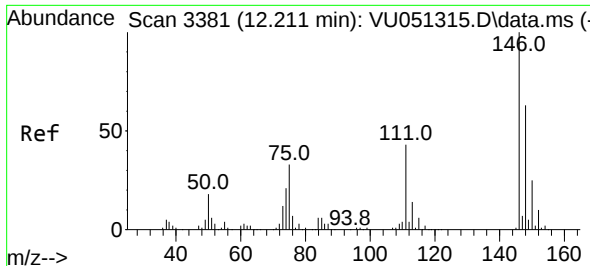
Tgt Ion:105 Resp: 45676
Ion Ratio Lower Upper
105 100
120 44.2 35.6 53.4



#65
1,4-Dichlorobenzene
Concen: 0.212 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.003 min
Lab File: VU051328.D
Acq: 10 Oct 2022 15:38

Tgt Ion:146 Resp: 7071
Ion Ratio Lower Upper
146 100
111 39.5 29.1 54.1
148 59.8 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 0.284 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU051328.D

Acq: 10 Oct 2022 15:38

Instrument :

MSVOA_U

ClientSampleId :

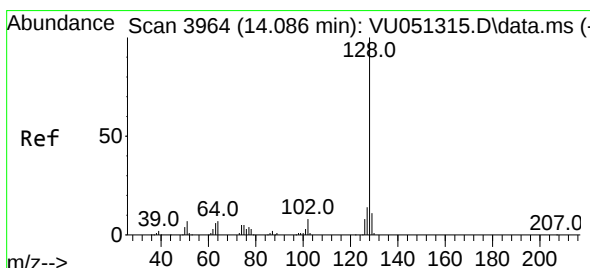
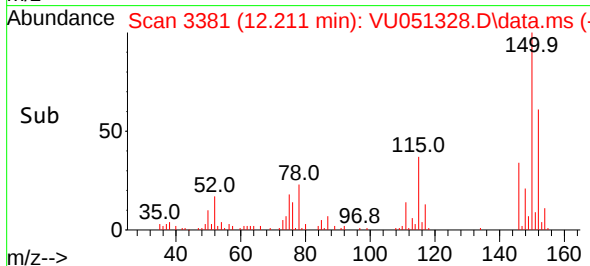
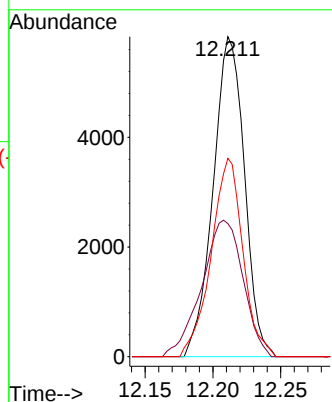
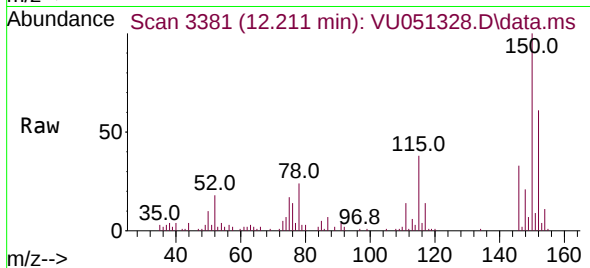
Tgt Ion:146 Resp: 9364

Ion Ratio Lower Upper

146 100

111 41.6 35.5 53.3

148 62.0 50.9 76.3



#71

Naphthalene

Concen: 0.680 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VU051328.D

Acq: 10 Oct 2022 15:38

Tgt Ion:128 Resp: 21005

Ion Ratio Lower Upper

128 100

129 9.8 8.5 12.7

127 13.4 11.1 16.7

