

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101022\
 Data File : VU051324.D
 Acq On : 10 Oct 2022 14:00
 Operator : JC/MD
 Sample : N5013-04DL 25X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 01:01:07 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	6.247	114	206304	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	226008	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	95357	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	60638	3.644	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.800%
7) Chloroethane-d5	1.910	69	58551	4.095	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.800%
11) 1,1-Dichloroethene-d2	2.562	65	25453	3.869	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.400%
20) 2-Butanone-d5	4.620	46	195367	53.322	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.640%
24) Chloroform-d	5.061	84	141051	4.546	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
26) 1,2-Dichloroethane-d4	5.700	65	76715	4.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.726	84	255244	4.105	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
36) 1,2-Dichloropropane-d6	6.688	67	91331	4.325	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.896	98	195835	3.521	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.400%
43) trans-1,3-Dichloroprop...	8.179	79	29927	4.314	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.200%
46) 2-Hexanone-d5	8.633	63	115083	49.221	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.440%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	81885	4.855	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	76298	4.603	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.601	62	2676	0.115	ug/L #	41
8) Chloroethane	1.932	64	5041	0.341	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	916	0.057	ug/L #	21
16) Methylene chloride	3.045	84	11841	0.533	ug/L	96
22) cis-1,2-Dichloroethene	4.665	96	16982	0.969	ug/L	100
27) 1,2-Dichloroethane	5.771	62	4032	0.197	ug/L #	74
33) Benzene	5.771	78	434274	5.756	ug/L	100
35) Methylcyclohexane	6.688	83	21568	0.908	ug/L #	17
37) 1,2-Dichloropropane	6.691	63	9756	0.472	ug/L #	88
42) Toluene	7.967	91	573258	7.158	ug/L	98
51) Chlorobenzene	9.446	112	69356	1.449	ug/L	98
52) Ethylbenzene	9.568	91	63488	0.882	ug/L	99
53) m,p-Xylene	9.691	106	59235	2.122	ug/L	100
54) o-Xylene	10.099	106	19199	0.727	ug/L	100
55) Styrene	10.099	104	2110	0.046	ug/L #	1
60) Isopropylbenzene	10.485	105	11581	0.192	ug/L	94
62) 1,3,5-Trimethylbenzene	11.089	105	2767	0.173	ug/L	91
63) 1,2,4-Trimethylbenzene	11.469	105	10385	0.229	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	3104	0.105	ug/L	97

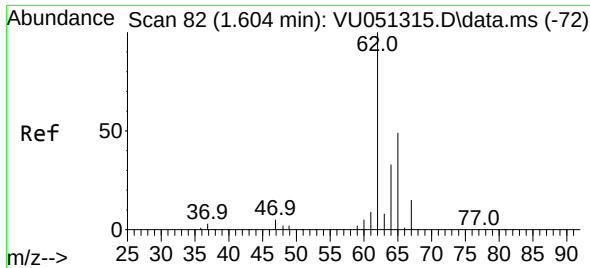
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101022\
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Quant Time: Oct 11 01:01:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 11 00:58:34 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.211	146	3404	0.117	ug/L	98
71) Naphthalene	14.092	128	7701	0.283	ug/L #	94

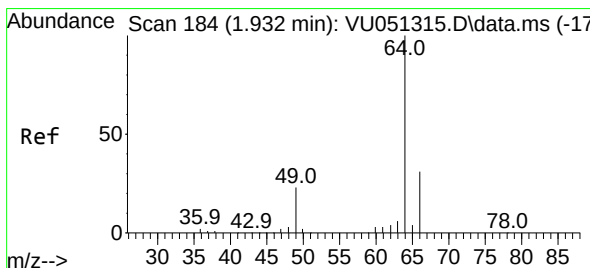
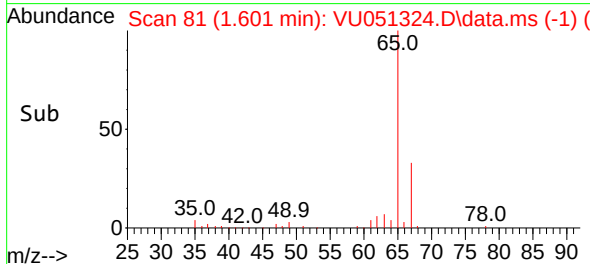
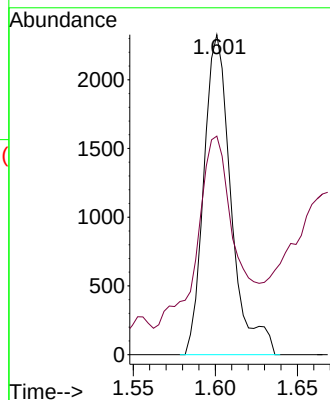
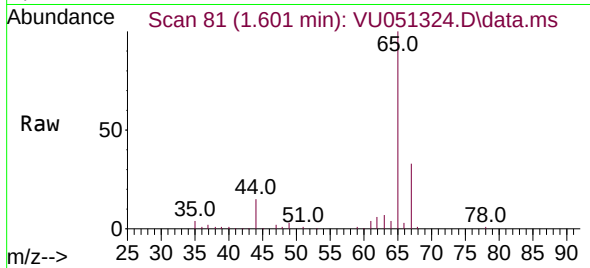
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 0.115 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU051324.D
 Acq: 10 Oct 2022 14:00

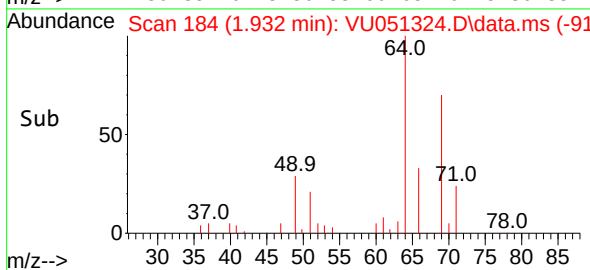
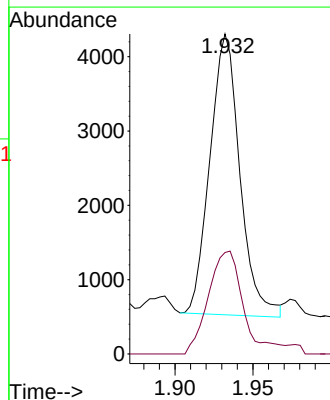
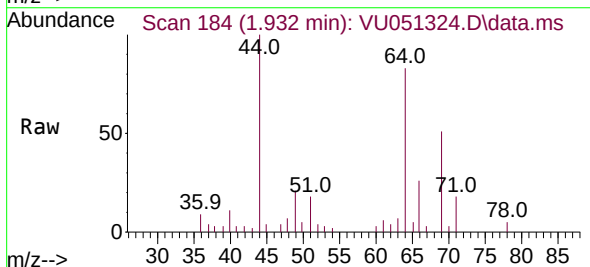
Instrument :
 MSVOA_U
 ClientSampleId :

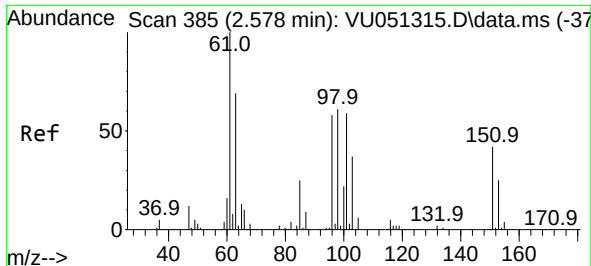
Tgt Ion: 62 Resp: 2676
 Ion Ratio Lower Upper
 62 100
 64 68.3 24.0 44.6#



#8
 Chloroethane
 Concen: 0.341 ug/L
 RT: 1.932 min Scan# 184
 Delta R.T. 0.000 min
 Lab File: VU051324.D
 Acq: 10 Oct 2022 14:00

Tgt Ion: 64 Resp: 5041
 Ion Ratio Lower Upper
 64 100
 66 31.7 22.3 41.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.057 ug/L

RT: 2.562 min Scan# 3

Delta R.T. -0.016 min

Lab File: VU051324.D

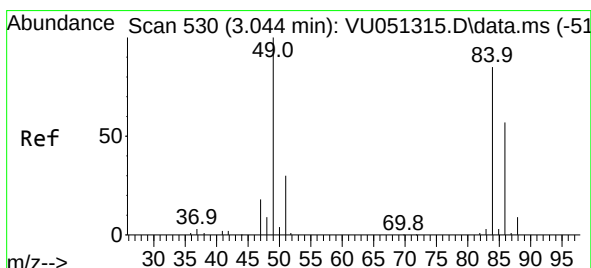
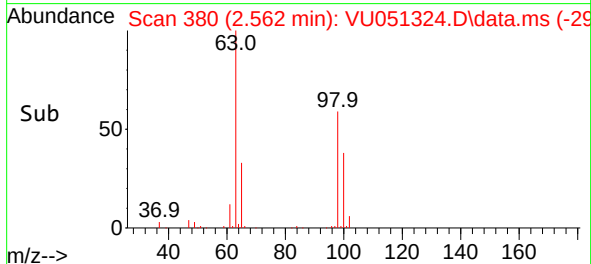
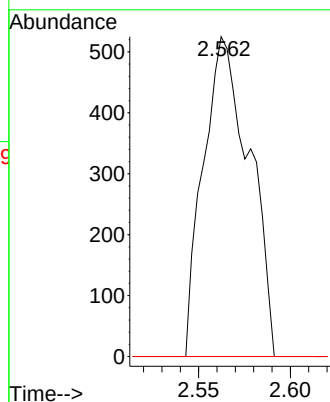
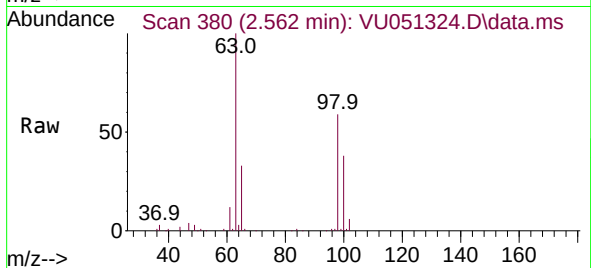
Acq: 10 Oct 2022 14:00

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	916
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.6	51.8#
151	0.0	56.5	84.7#



#16

Methylene chloride

Concen: 0.533 ug/L

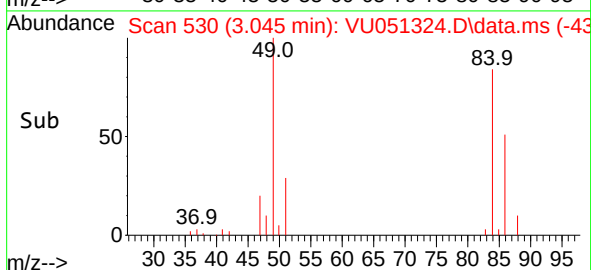
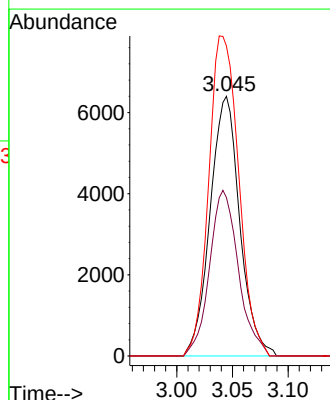
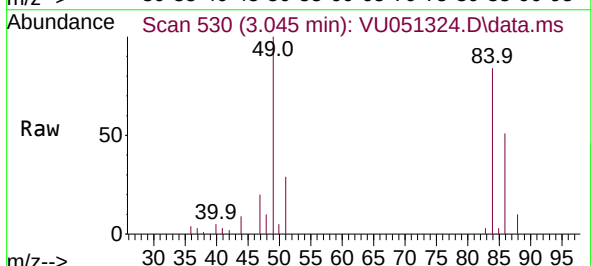
RT: 3.045 min Scan# 530

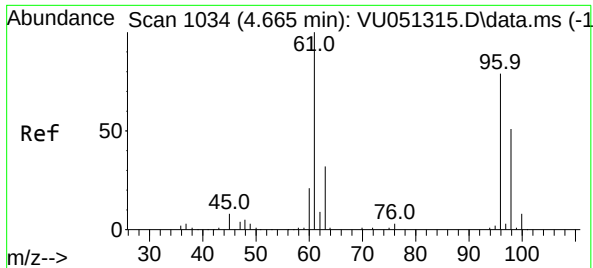
Delta R.T. 0.000 min

Lab File: VU051324.D

Acq: 10 Oct 2022 14:00

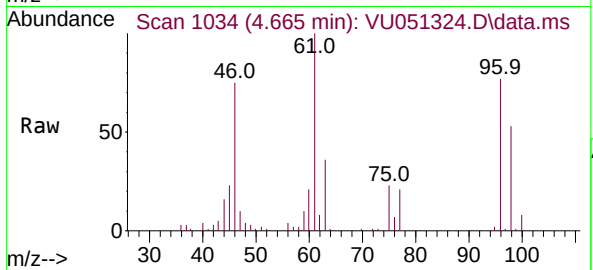
Tgt Ion:	84	Resp:	11841
Ion	Ratio	Lower	Upper
84	100		
86	61.0	46.5	86.3
49	119.4	81.3	151.1





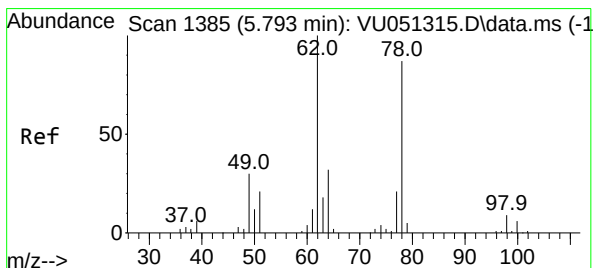
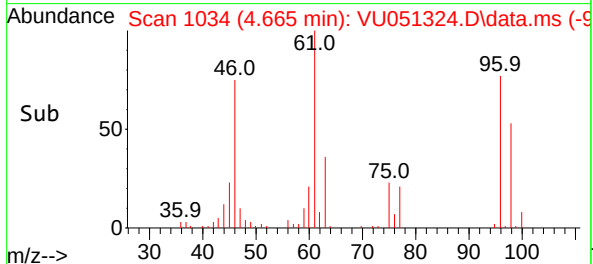
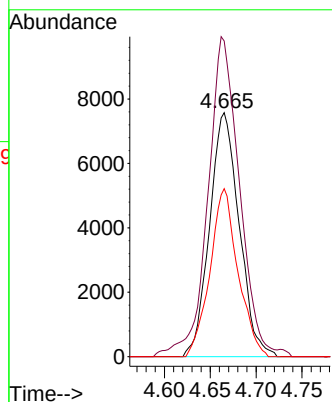
#22
 cis-1,2-Dichloroethene
 Concen: 0.969 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU051324.D
 Acq: 10 Oct 2022 14:00

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 16982

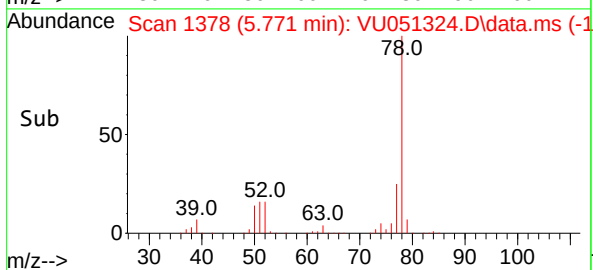
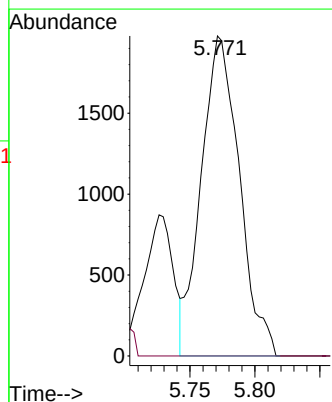
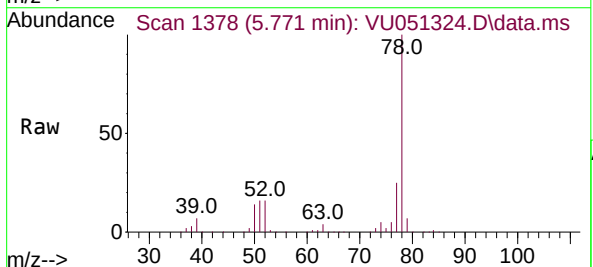
Ion	Ratio	Lower	Upper
96	100		
61	129.4	90.6	168.2
98	68.8	47.5	88.3

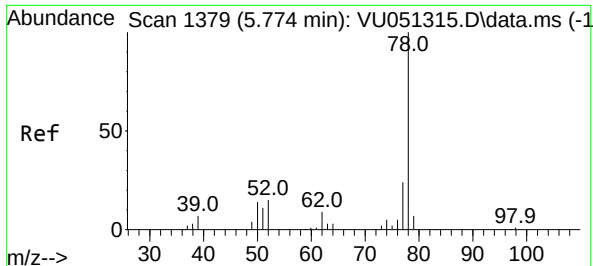


#27
 1,2-Dichloroethane
 Concen: 0.197 ug/L
 RT: 5.771 min Scan# 1378
 Delta R.T. -0.022 min
 Lab File: VU051324.D
 Acq: 10 Oct 2022 14:00

Tgt Ion: 62 Resp: 4032

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.7	11.5#

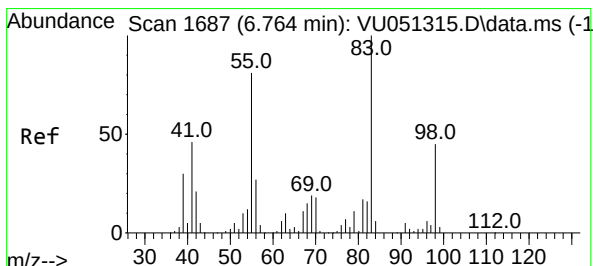
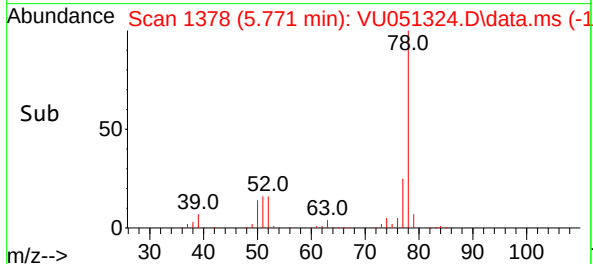
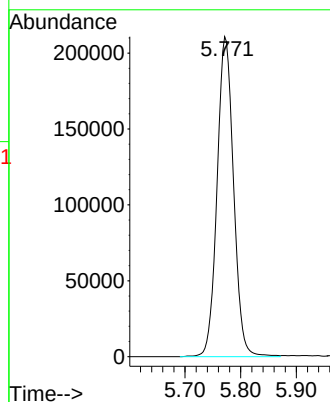
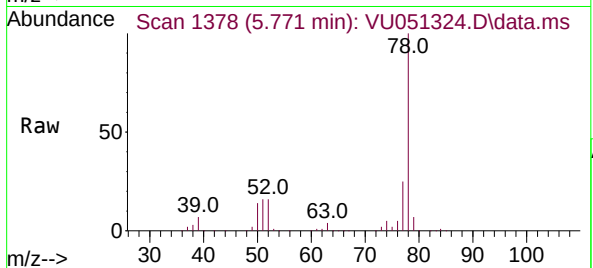




#33
Benzene
Concen: 5.756 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051324.D
Acq: 10 Oct 2022 14:00

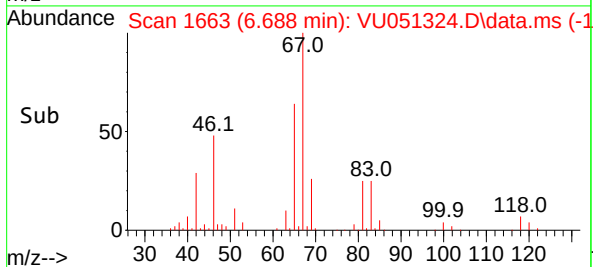
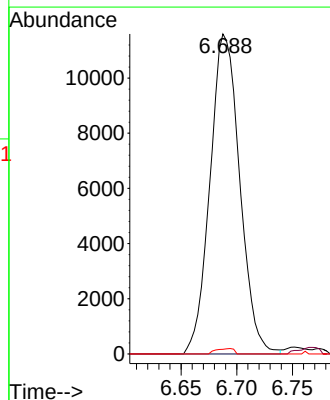
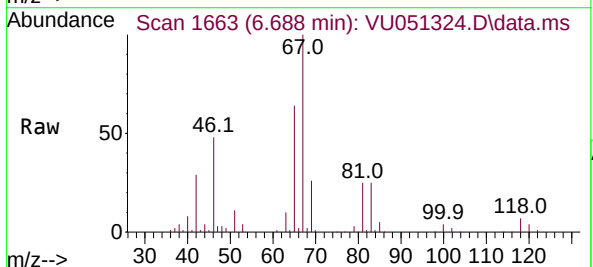
Instrument :
MSVOA_U
ClientSampleId :

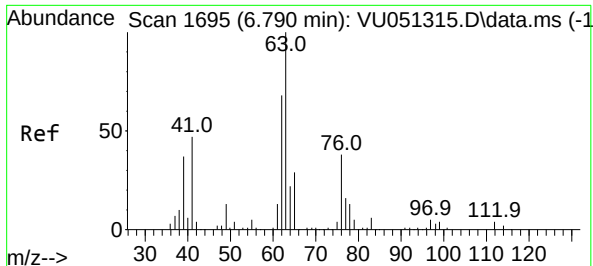
Tgt Ion: 78 Resp: 434274



#35
Methylcyclohexane
Concen: 0.908 ug/L
RT: 6.688 min Scan# 1663
Delta R.T. -0.077 min
Lab File: VU051324.D
Acq: 10 Oct 2022 14:00

Tgt Ion: 83 Resp: 21568
Ion Ratio Lower Upper
83 100
55 0.0 65.8 98.6#
98 1.0 35.9 53.9#





#37

1,2-Dichloropropane

Concen: 0.472 ug/L

RT: 6.691 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU051324.D

Acq: 10 Oct 2022 14:00

Instrument :

MSVOA_U

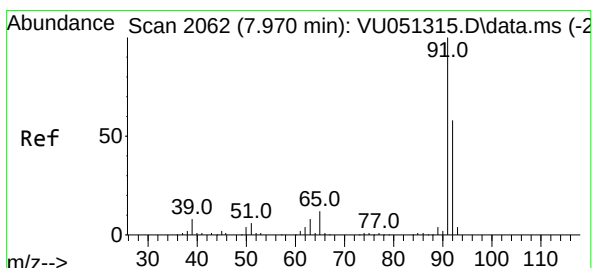
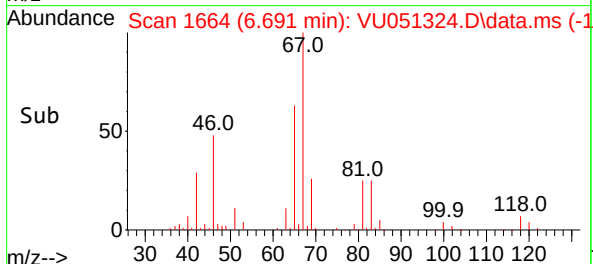
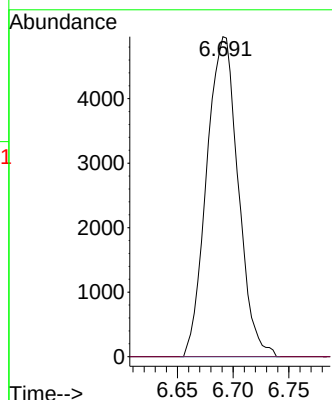
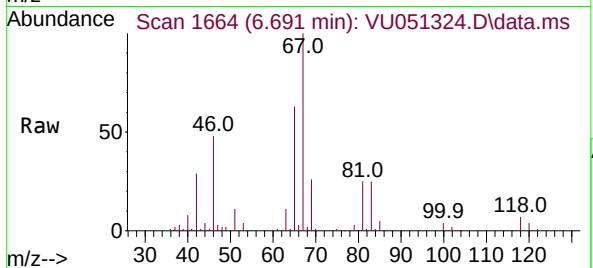
ClientSampleId :

Tgt Ion: 63 Resp: 9756

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#42

Toluene

Concen: 7.158 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU051324.D

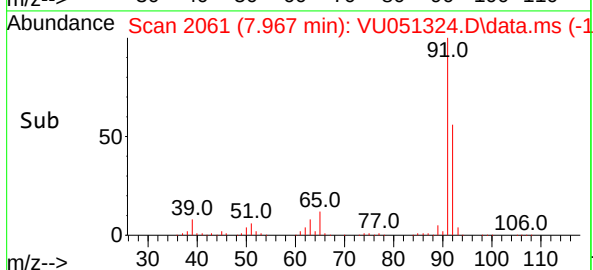
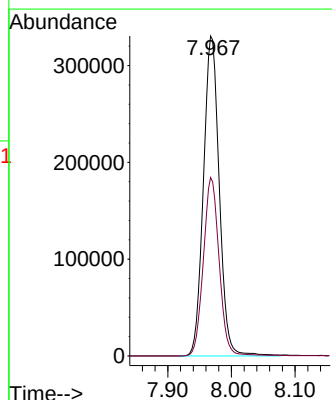
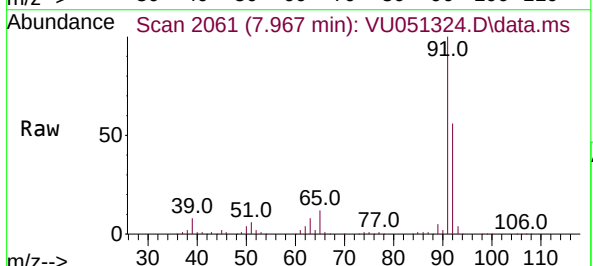
Acq: 10 Oct 2022 14:00

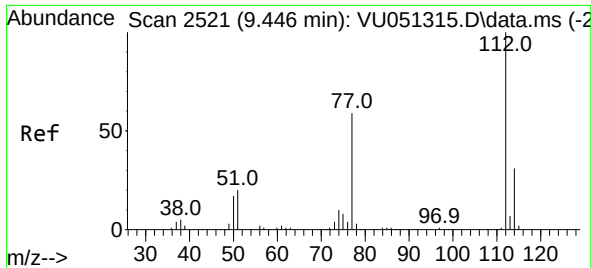
Tgt Ion: 91 Resp: 573258

Ion Ratio Lower Upper

91 100

92 55.7 39.9 74.1

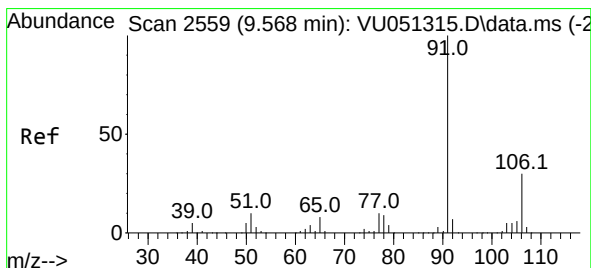
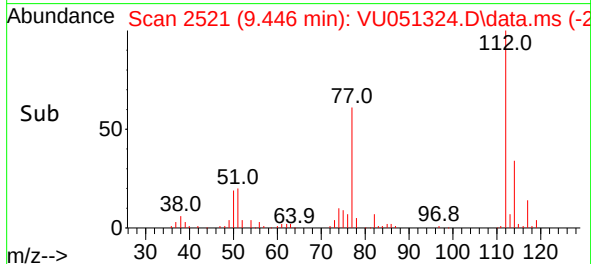
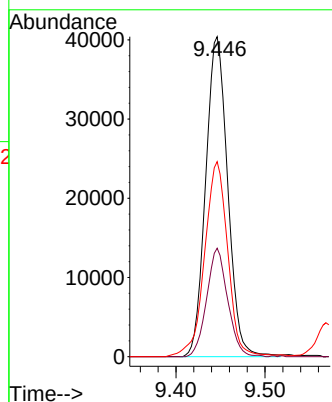
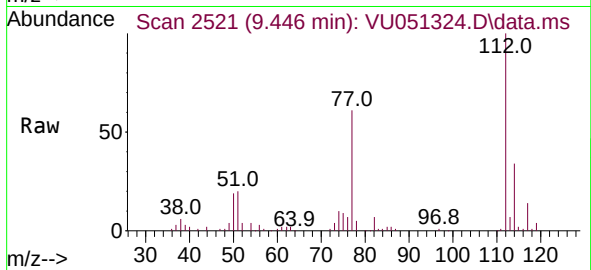




#51
Chlorobenzene
Concen: 1.449 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU051324.D
Acq: 10 Oct 2022 14:00

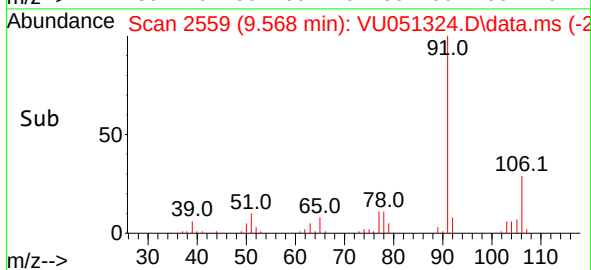
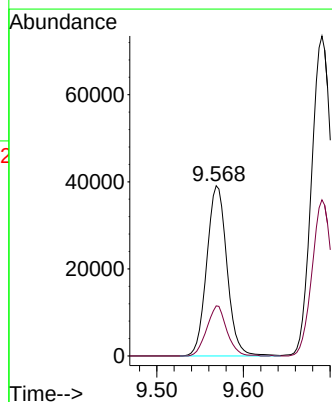
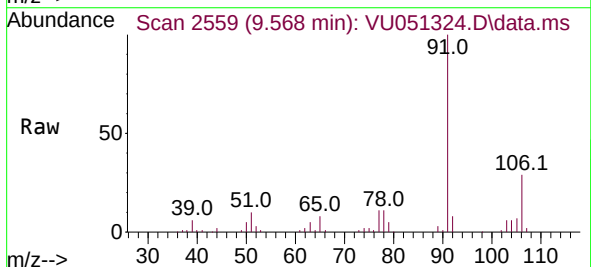
Instrument :
MSVOA_U
ClientSampleId :

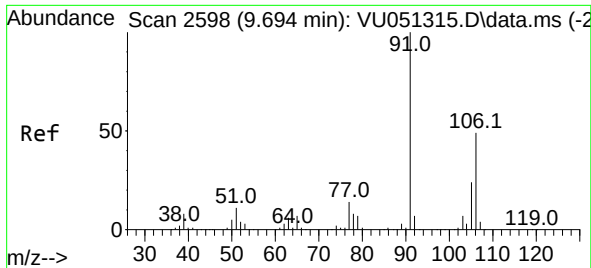
Tgt Ion:112 Resp: 69356
Ion Ratio Lower Upper
112 100
114 33.9 22.3 41.5
77 61.0 48.1 72.1



#52
Ethylbenzene
Concen: 0.882 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051324.D
Acq: 10 Oct 2022 14:00

Tgt Ion: 91 Resp: 63488
Ion Ratio Lower Upper
91 100
106 29.4 20.9 38.7

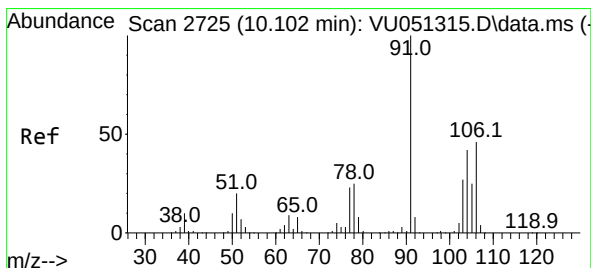
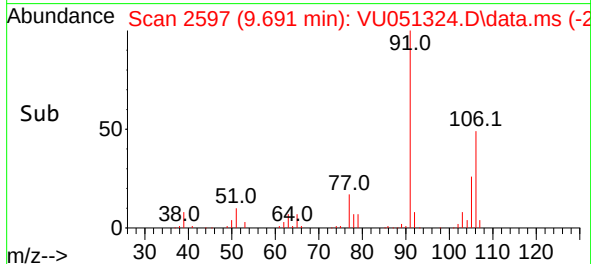
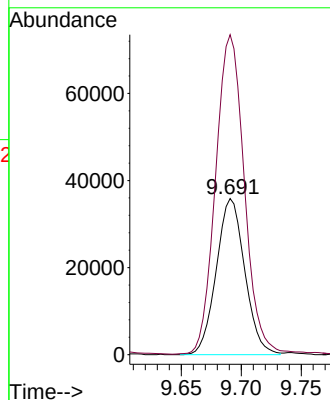
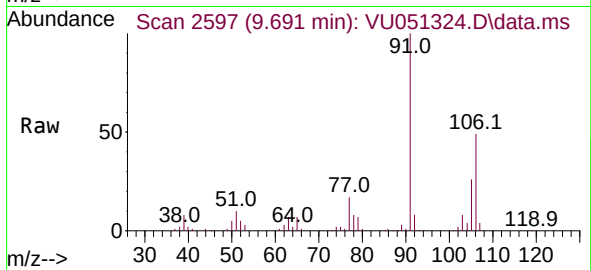




#53
m,p-Xylene
Concen: 2.122 ug/L
RT: 9.691 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051324.D
Acq: 10 Oct 2022 14:00

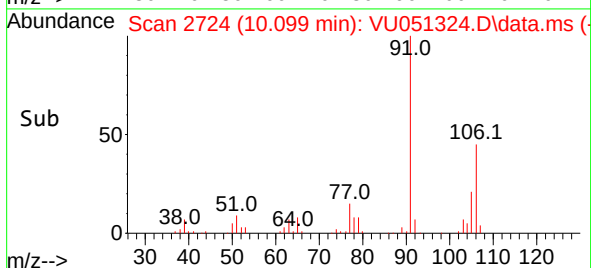
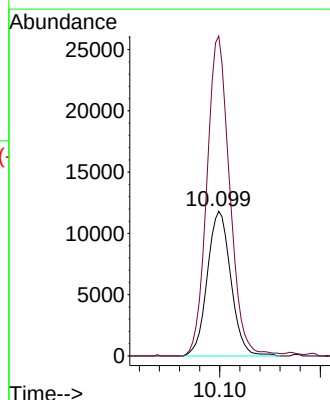
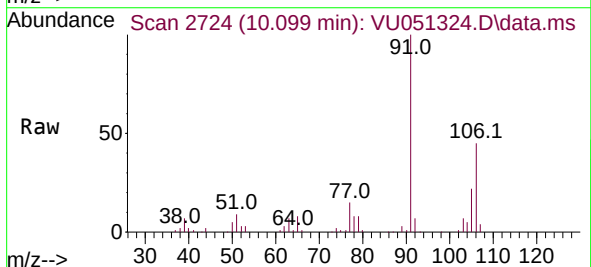
Instrument :
MSVOA_U
ClientSampleId :

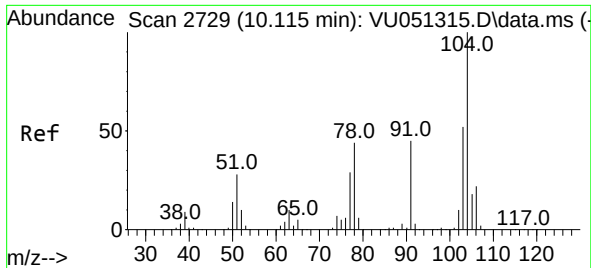
Tgt Ion:106 Resp: 59235
Ion Ratio Lower Upper
106 100
91 204.9 143.9 267.3



#54
o-Xylene
Concen: 0.727 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU051324.D
Acq: 10 Oct 2022 14:00

Tgt Ion:106 Resp: 19199
Ion Ratio Lower Upper
106 100
91 221.1 154.4 286.8

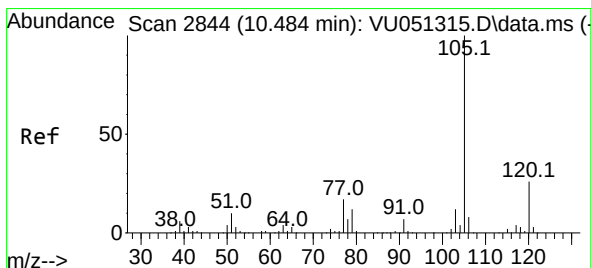
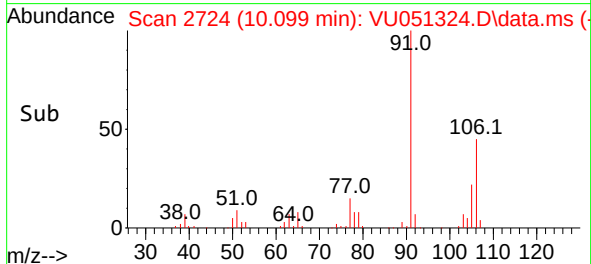
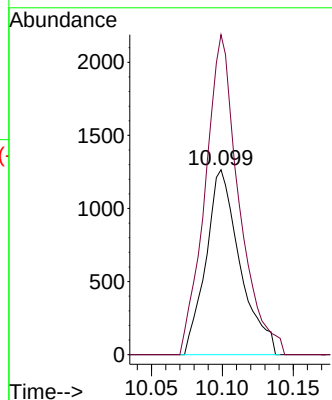
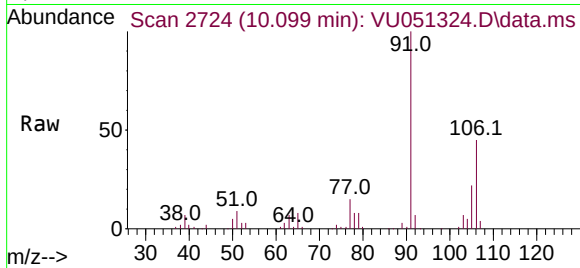




#55
Styrene
Concen: 0.046 ug/L
RT: 10.099 min Scan# 2110
Delta R.T. -0.016 min
Lab File: VU051324.D
Acq: 10 Oct 2022 14:00

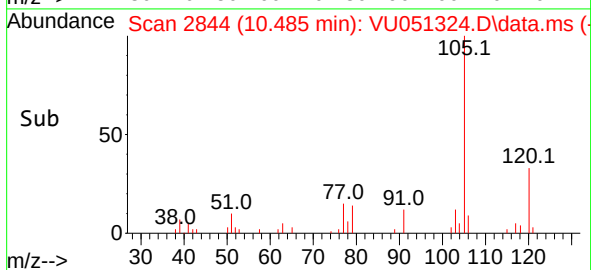
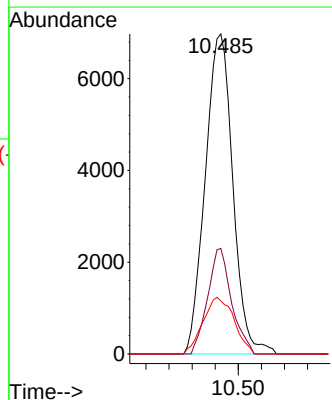
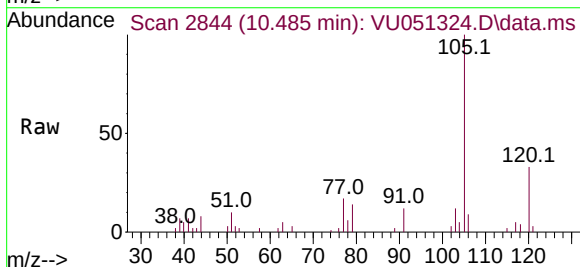
Instrument :
MSVOA_U
ClientSampleId :

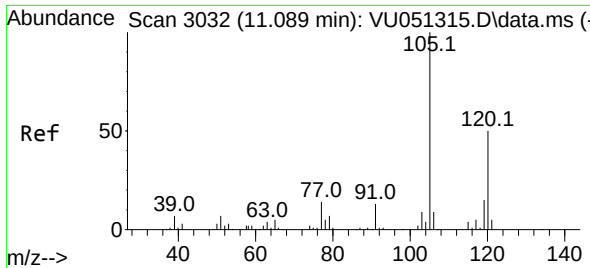
Tgt Ion:104 Resp: 2110
Ion Ratio Lower Upper
104 100
78 173.0 32.1 59.7#



#60
Isopropylbenzene
Concen: 0.192 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU051324.D
Acq: 10 Oct 2022 14:00

Tgt Ion:105 Resp: 11581
Ion Ratio Lower Upper
105 100
120 28.6 20.6 30.8
77 19.9 13.5 20.3

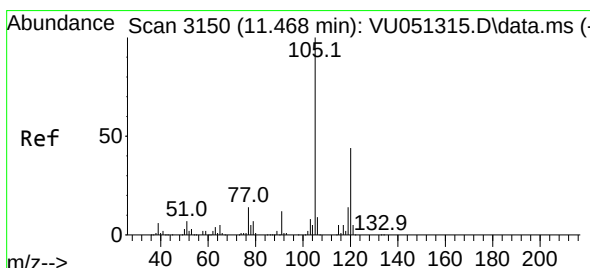
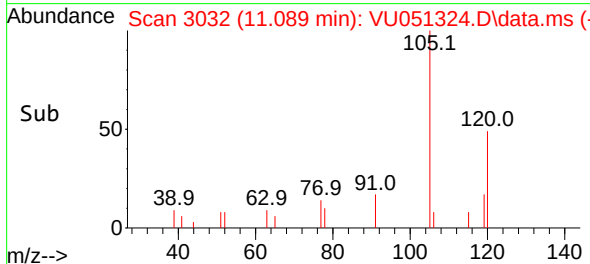
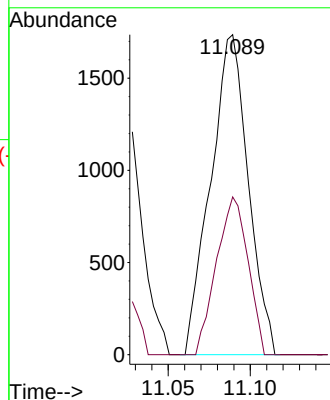
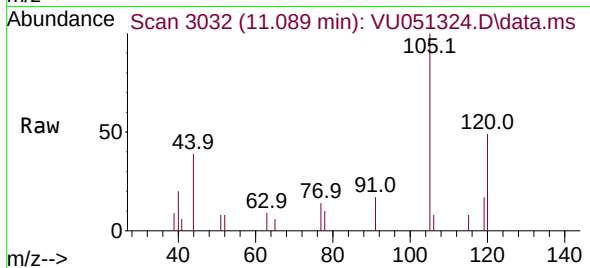




#62
 1,3,5-Trimethylbenzene
 Concen: 0.173 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU051324.D
 Acq: 10 Oct 2022 14:00

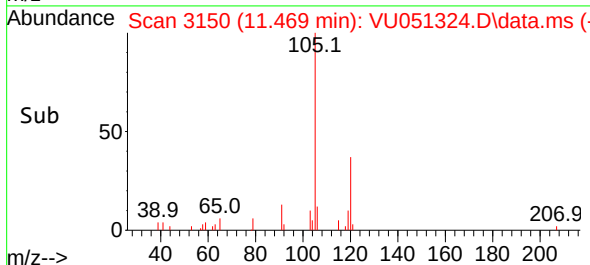
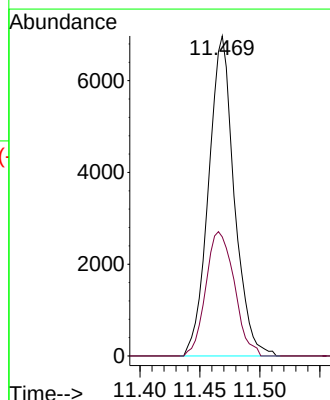
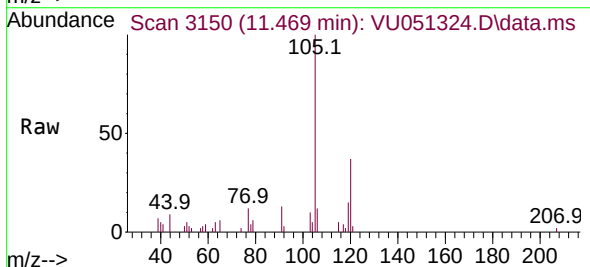
Instrument :
 MSVOA_U
 ClientSampleId :

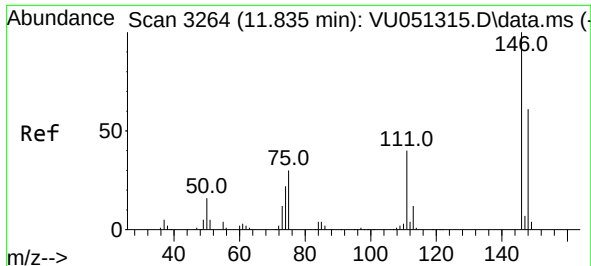
Tgt Ion:105 Resp: 2767
 Ion Ratio Lower Upper
 105 100
 120 41.3 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 0.229 ug/L
 RT: 11.469 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU051324.D
 Acq: 10 Oct 2022 14:00

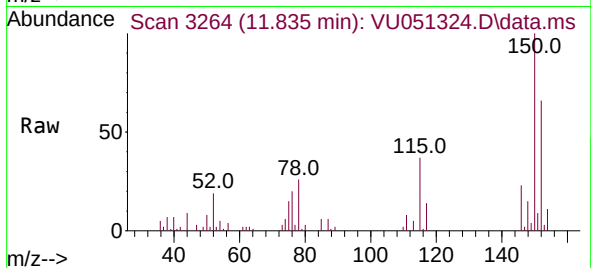
Tgt Ion:105 Resp: 10385
 Ion Ratio Lower Upper
 105 100
 120 43.1 35.6 53.4



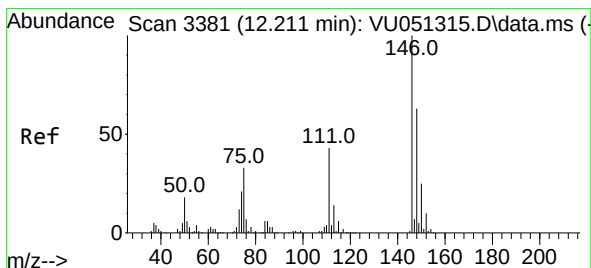
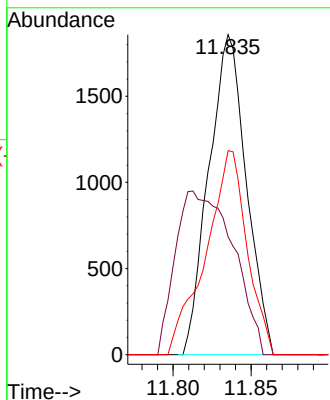
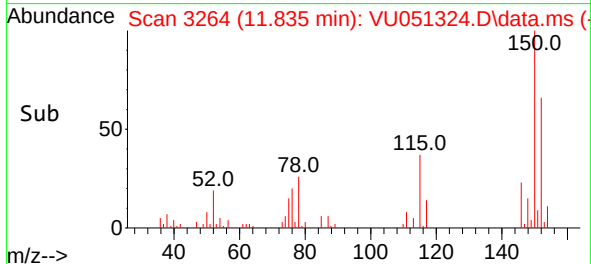


#65
1,4-Dichlorobenzene
Concen: 0.105 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU051324.D
Acq: 10 Oct 2022 14:00

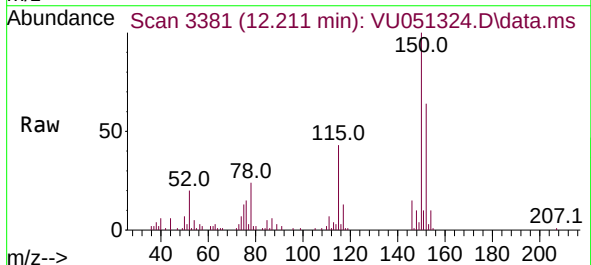
Instrument :
MSVOA_U
ClientSampleId :



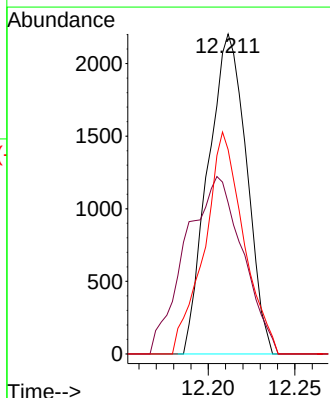
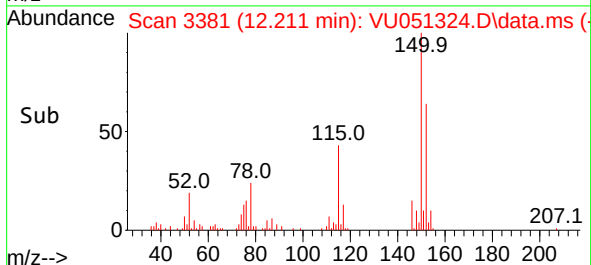
Tgt Ion:146 Resp: 3104
Ion Ratio Lower Upper
146 100
111 36.9 29.1 54.1
148 63.7 44.2 82.0

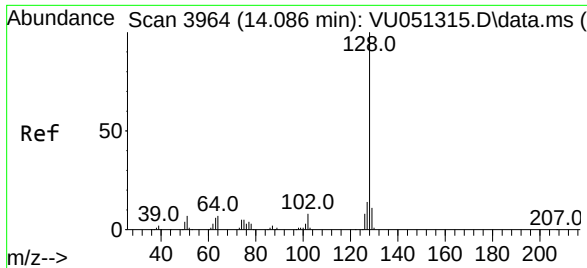


#67
1,2-Dichlorobenzene
Concen: 0.117 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051324.D
Acq: 10 Oct 2022 14:00



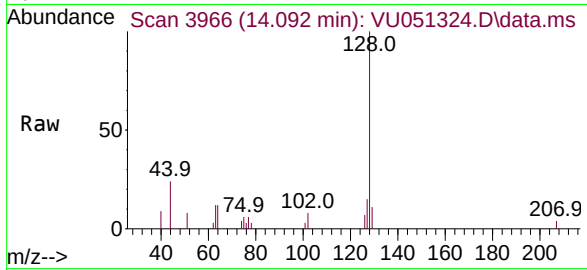
Tgt Ion:146 Resp: 3404
Ion Ratio Lower Upper
146 100
111 47.3 35.5 53.3
148 63.8 50.9 76.3





#71
Naphthalene
Concen: 0.283 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.007 min
Lab File: VU051324.D
Acq: 10 Oct 2022 14:00

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 7701
Ion Ratio Lower Upper
128 100
129 9.6 8.5 12.7
127 10.6 11.1 16.7#

