

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102822\
 Data File : VU051580.D
 Acq On : 28 Oct 2022 20:26
 Operator : JC/MD
 Sample : N5300-01DL2 500X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 28 22:54:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 22:38:21 2022
 Response via : Initial Calibration

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

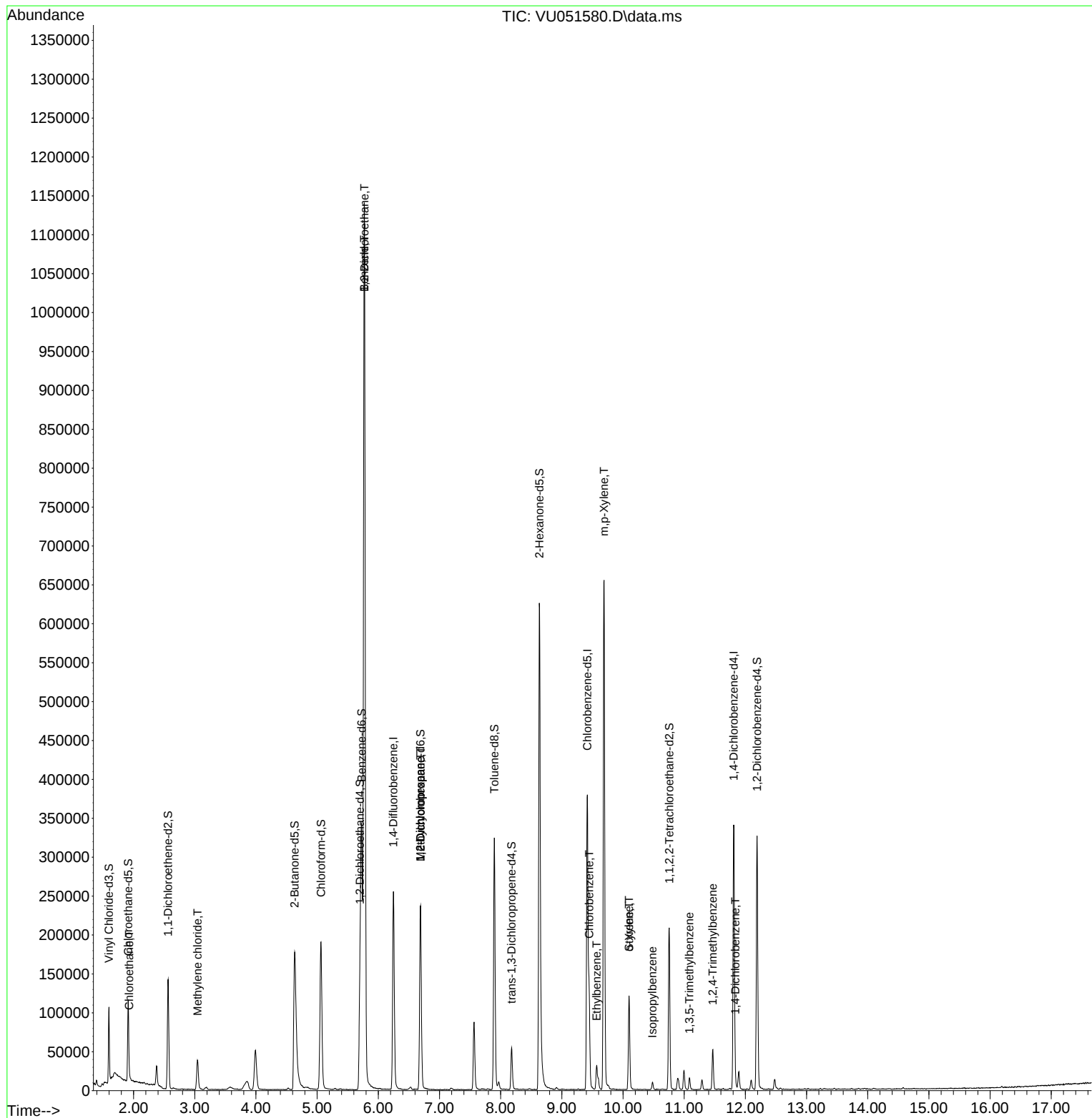
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	212198	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	214661	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	93308	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	71204	4.455	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.200%
7) Chloroethane-d5	1.913	69	80693	4.841	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.562	65	27292	4.705	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.200%
20) 2-Butanone-d5	4.633	46	298307	51.540	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.080%
24) Chloroform-d	5.064	84	176898	4.730	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.700	65	98304	4.866	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	5.726	84	326076	4.814	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.690	67	118747	5.013	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.200%
41) Toluene-d8	7.896	98	225068	4.225	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	8.179	79	31770	4.386	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.633	63	216847	49.736	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.480%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	108592	5.003	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	89545	5.229	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.600%
Target Compounds						
					Qvalue	
8) Chloroethane	1.925	64	1467	0.086	ug/L #	56
16) Methylene chloride	3.044	84	20700	0.685	ug/L	96
27) 1,2-Dichloroethane	5.774	62	9084	0.390	ug/L #	75
33) Benzene	5.771	78	1125355	13.285	ug/L	100
35) Methylcyclohexane	6.690	83	27763	0.982	ug/L #	19
37) 1,2-Dichloropropane	6.690	63	12076	0.554	ug/L #	90
51) Chlorobenzene	9.446	112	68246	1.246	ug/L	98
52) Ethylbenzene	9.568	91	21380	0.255	ug/L	94
53) m,p-Xylene	9.690	106	187498	5.751	ug/L	99
54) o-Xylene	10.099	106	33823	1.061	ug/L	98
55) Styrene	10.099	104	2784	0.052	ug/L #	1
60) Isopropylbenzene	10.481	105	6090	0.089	ug/L #	82
62) 1,3,5-Trimethylbenzene	11.086	105	8239	0.449	ug/L	96
63) 1,2,4-Trimethylbenzene	11.468	105	28696	0.543	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	3213	0.094	ug/L	92

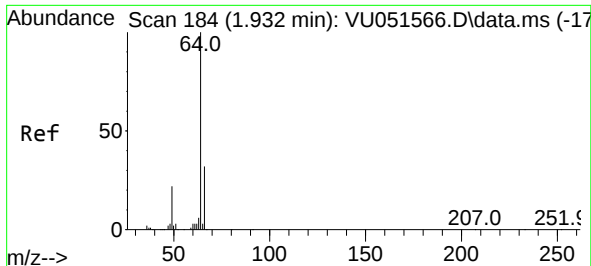
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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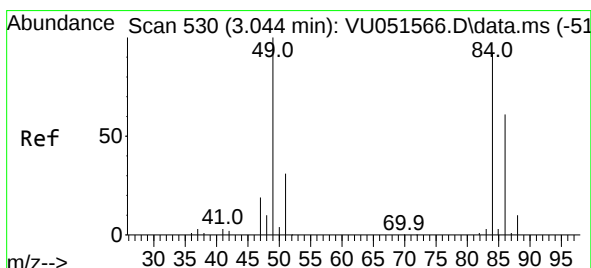
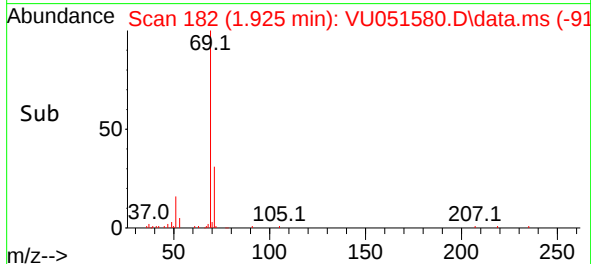
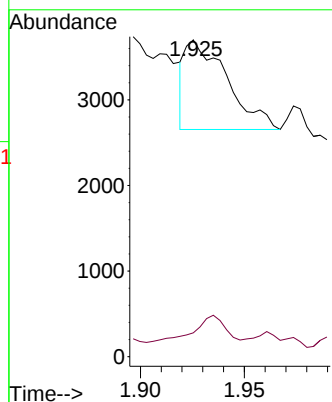
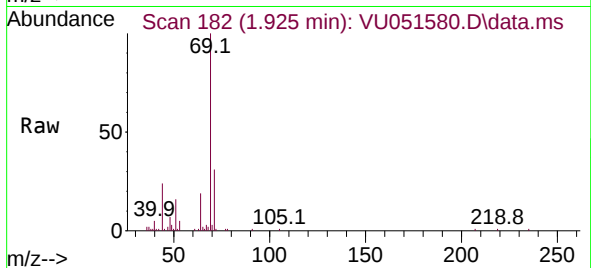




#8
Chloroethane
Concen: 0.086 ug/L
RT: 1.925 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU051580.D
Acq: 28 Oct 2022 20:26

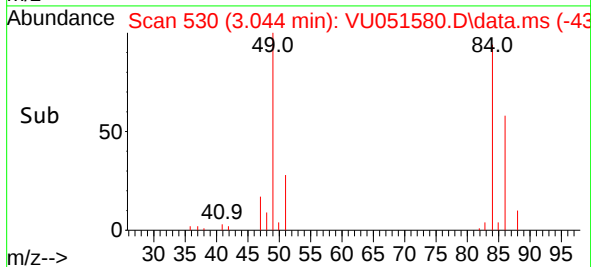
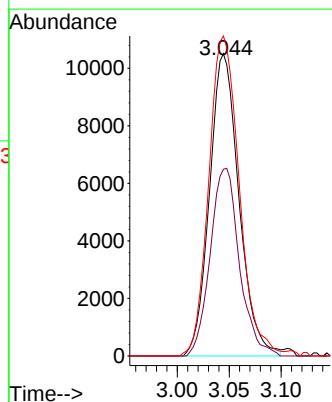
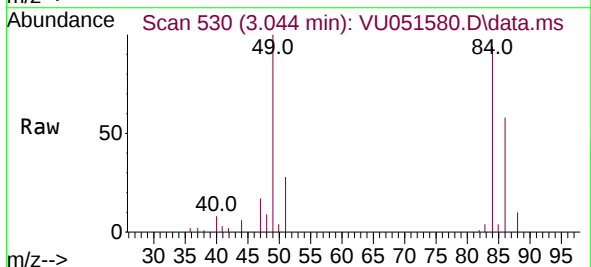
Instrument :
MSVOA_U
ClientSampleId :

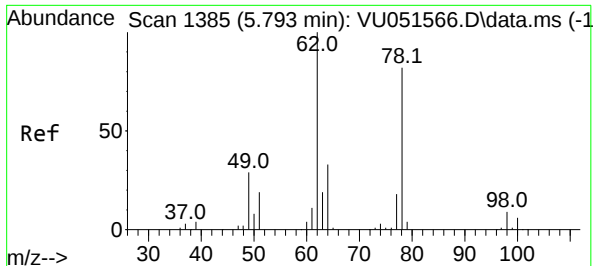
Tgt Ion: 64 Resp: 1467
Ion Ratio Lower Upper
64 100
66 7.5 22.3 41.5#



#16
Methylene chloride
Concen: 0.685 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051580.D
Acq: 28 Oct 2022 20:26

Tgt Ion: 84 Resp: 20700
Ion Ratio Lower Upper
84 100
86 61.8 46.3 85.9
49 105.9 76.0 141.2

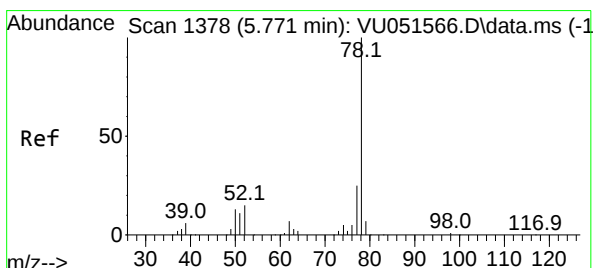
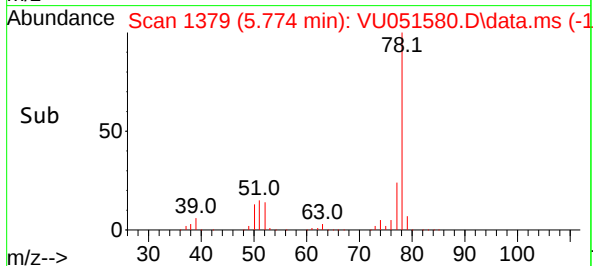
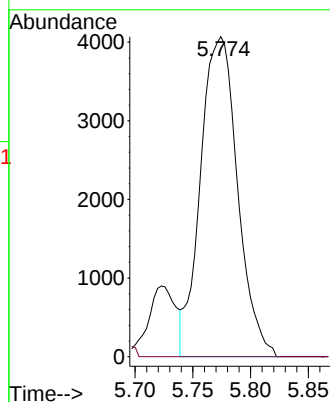
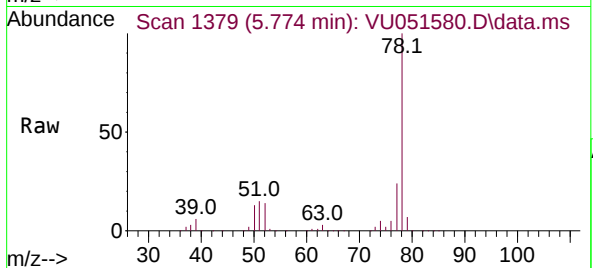




#27
1,2-Dichloroethane
Concen: 0.390 ug/L
RT: 5.774 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU051580.D
Acq: 28 Oct 2022 20:26

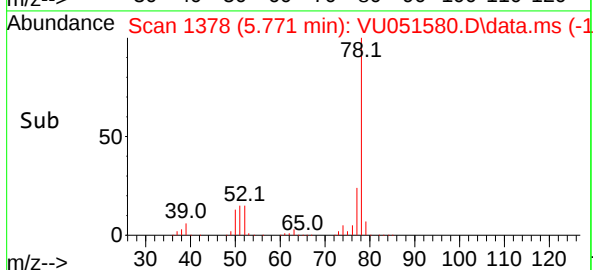
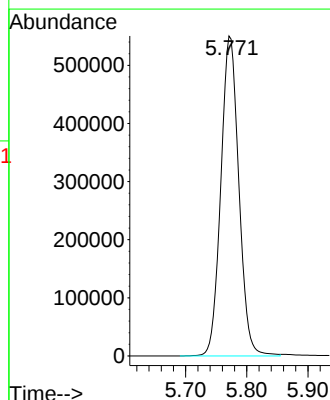
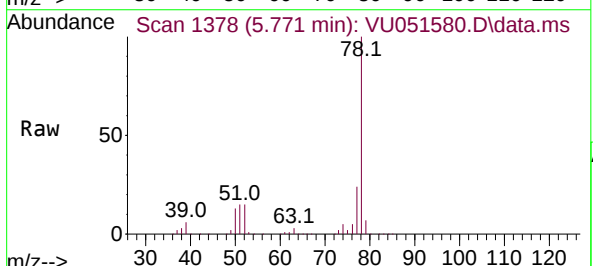
Instrument :
MSVOA_U
ClientSampleId :

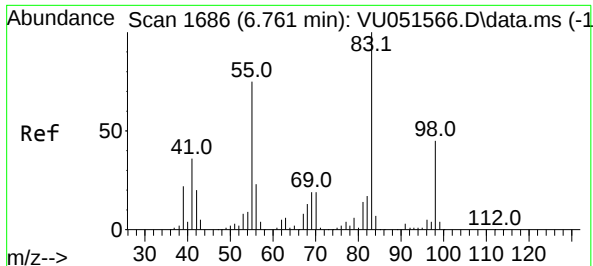
Tgt Ion: 62 Resp: 9084
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#33
Benzene
Concen: 13.285 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051580.D
Acq: 28 Oct 2022 20:26

Tgt Ion: 78 Resp: 1125355





#35

Methylcyclohexane

Concen: 0.982 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.071 min

Lab File: VU051580.D

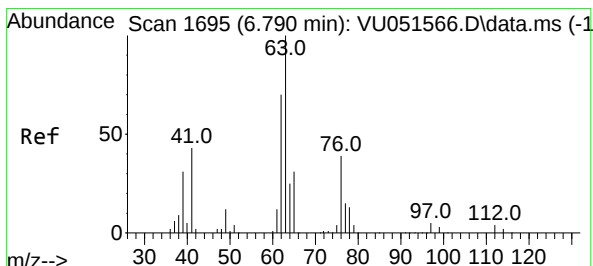
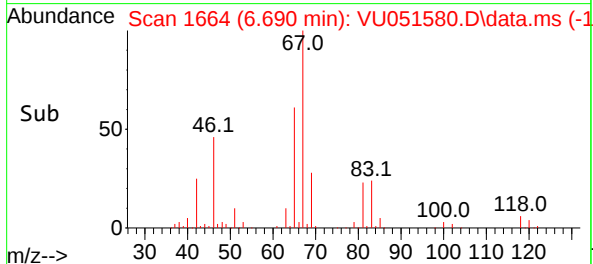
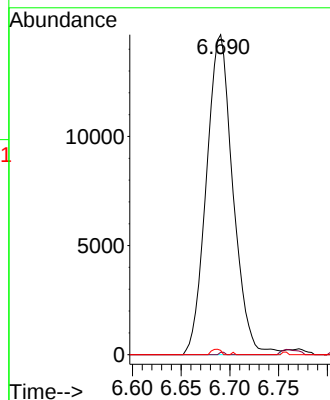
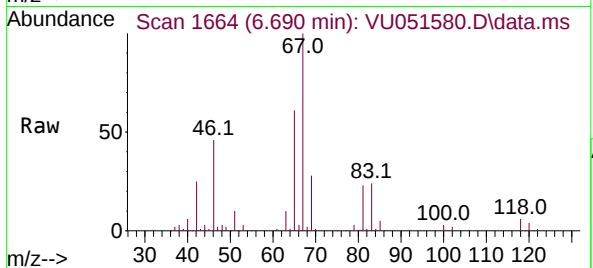
Acq: 28 Oct 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 27763
Ion Ratio	Lower Upper
83 100	
55 0.2	60.6 90.8#
98 0.6	35.8 53.6#



#37

1,2-Dichloropropane

Concen: 0.554 ug/L

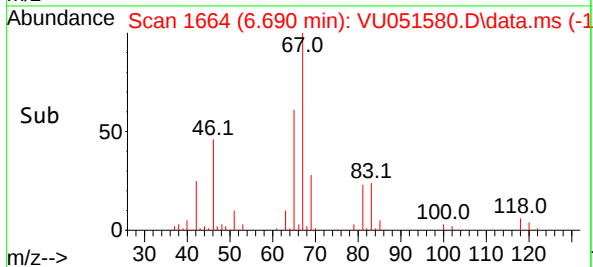
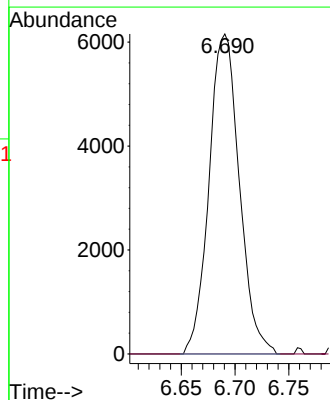
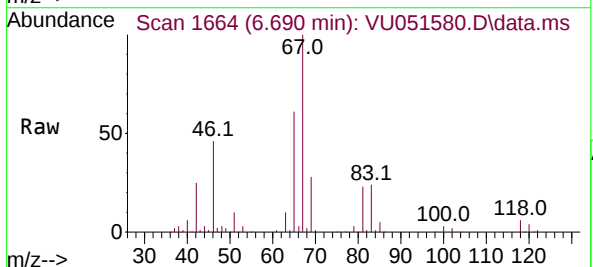
RT: 6.690 min Scan# 1664

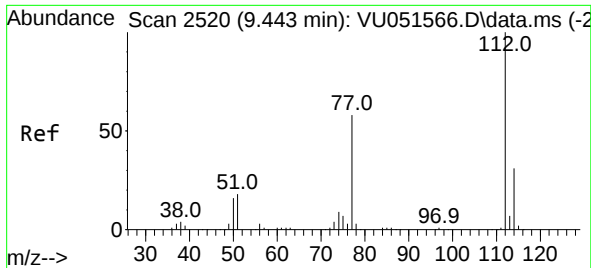
Delta R.T. -0.100 min

Lab File: VU051580.D

Acq: 28 Oct 2022 20:26

Tgt Ion: 63	Resp: 12076
Ion Ratio	Lower Upper
63 100	
112 0.7	3.3 4.9#

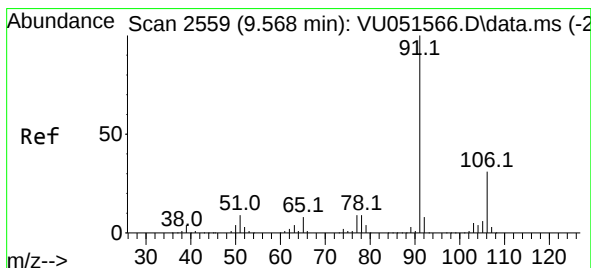
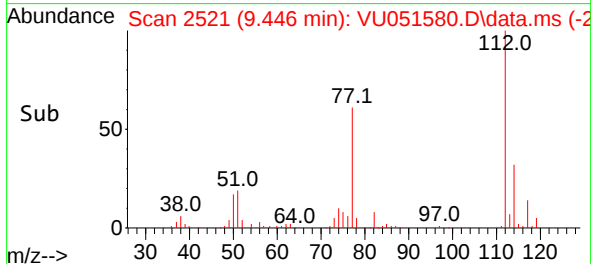
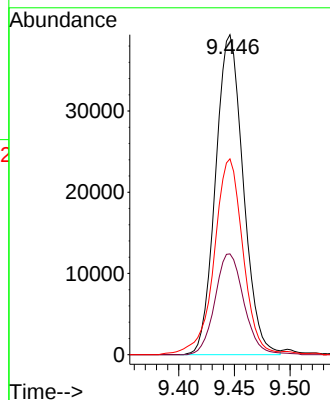
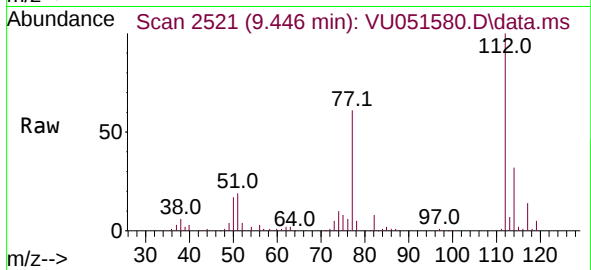




#51
Chlorobenzene
Concen: 1.246 ug/L
RT: 9.446 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VU051580.D
Acq: 28 Oct 2022 20:26

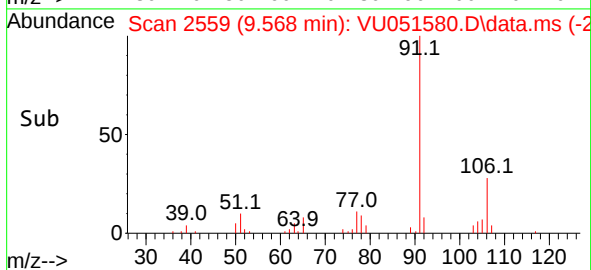
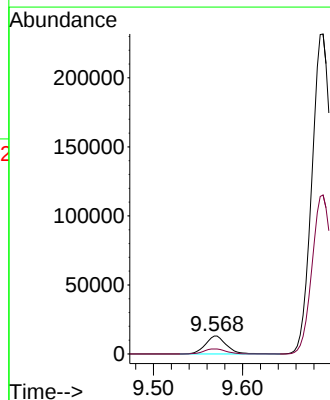
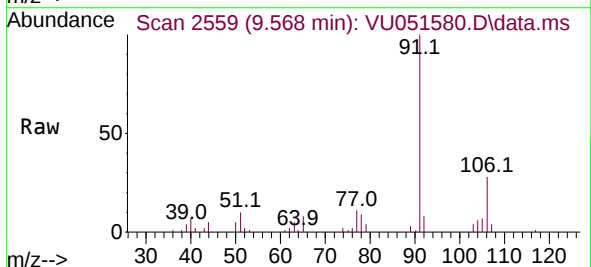
Instrument :
MSVOA_U
ClientSampleId :

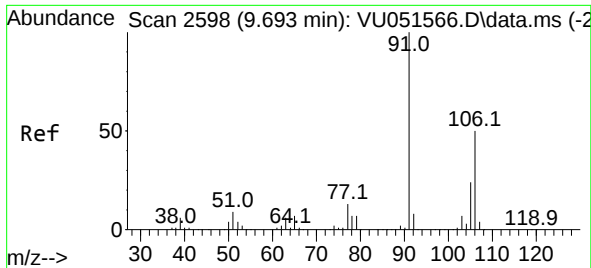
Tgt Ion:112 Resp: 68246
Ion Ratio Lower Upper
112 100
114 31.5 22.0 40.8
77 61.2 46.7 70.1



#52
Ethylbenzene
Concen: 0.255 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051580.D
Acq: 28 Oct 2022 20:26

Tgt Ion: 91 Resp: 21380
Ion Ratio Lower Upper
91 100
106 27.7 21.8 40.6

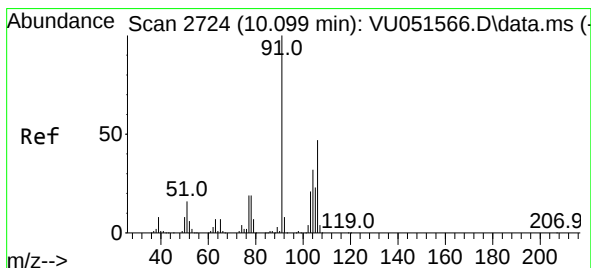
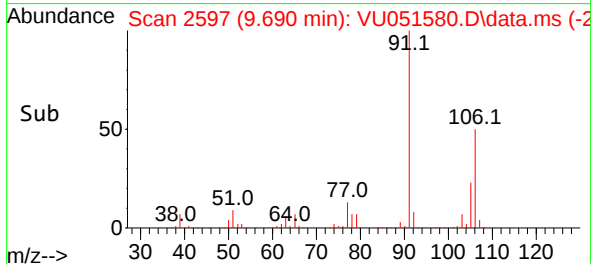
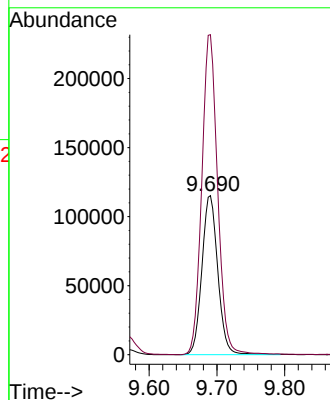
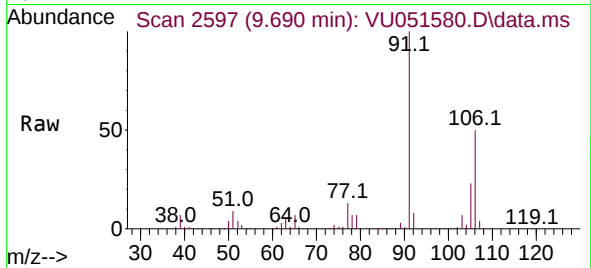




#53
m,p-Xylene
Concen: 5.751 ug/L
RT: 9.690 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU051580.D
Acq: 28 Oct 2022 20:26

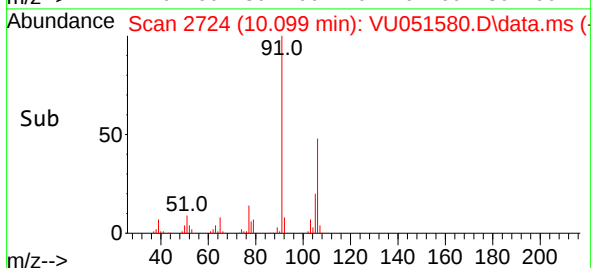
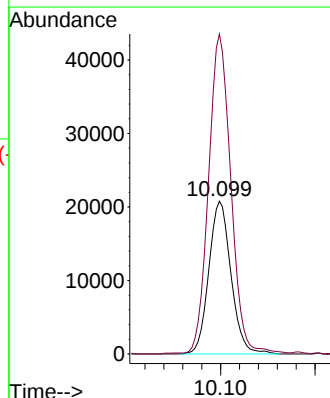
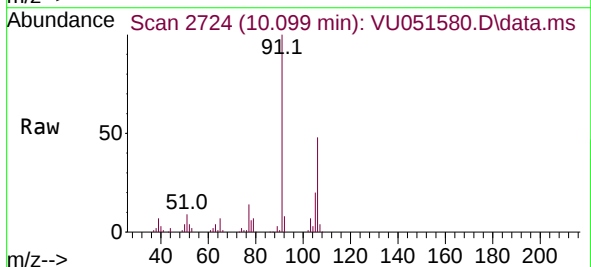
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MSVOA_U
ClientSampleId :

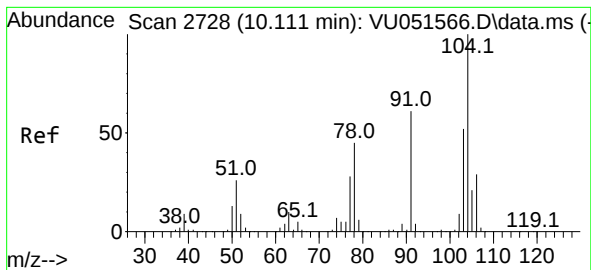
Tgt Ion:106 Resp: 187498
Ion Ratio Lower Upper
106 100
91 201.3 139.4 259.0



#54
o-Xylene
Concen: 1.061 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051580.D
Acq: 28 Oct 2022 20:26

Tgt Ion:106 Resp: 33823
Ion Ratio Lower Upper
106 100
91 209.3 149.2 277.2





#55

Styrene

Concen: 0.052 ug/L

RT: 10.099 min Scan# 21

Delta R.T. -0.013 min

Lab File: VU051580.D

Acq: 28 Oct 2022 20:26

Instrument :

MSVOA_U

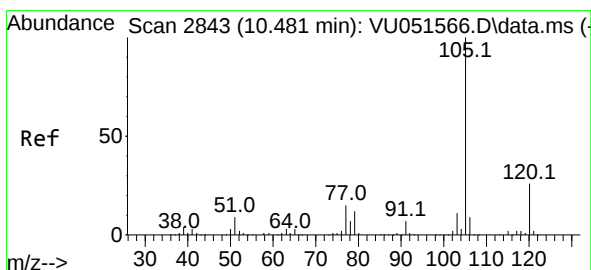
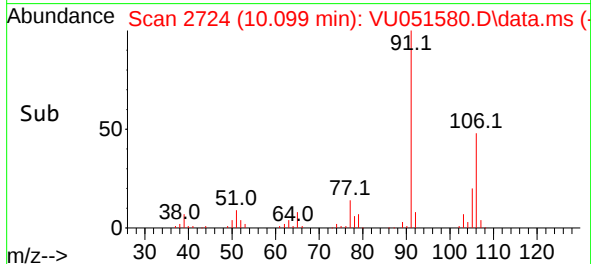
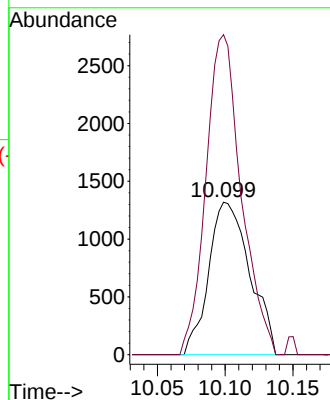
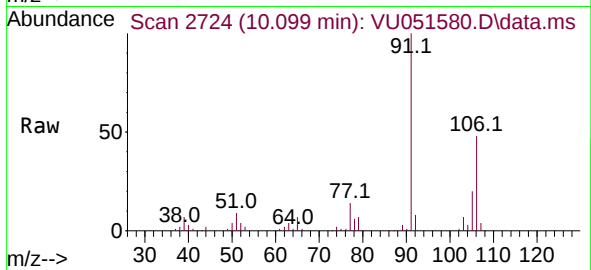
ClientSampleId :

Tgt Ion:104 Resp: 2784

Ion Ratio Lower Upper

104 100

78 209.9 31.8 59.0#



#60

Isopropylbenzene

Concen: 0.089 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VU051580.D

Acq: 28 Oct 2022 20:26

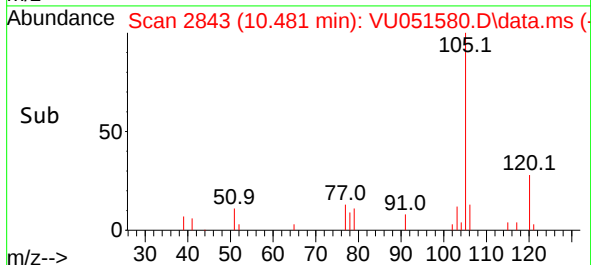
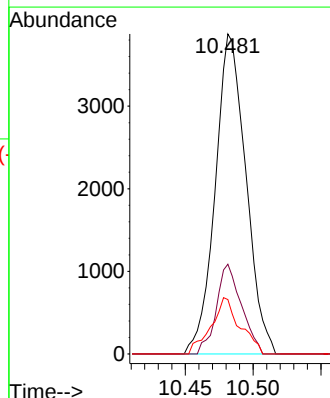
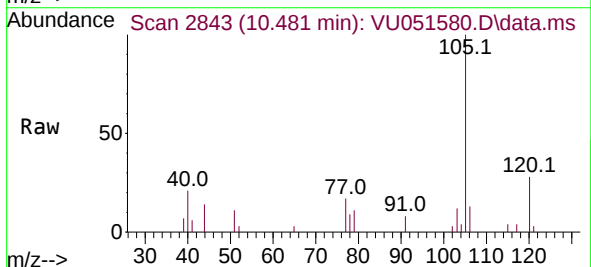
Tgt Ion:105 Resp: 6090

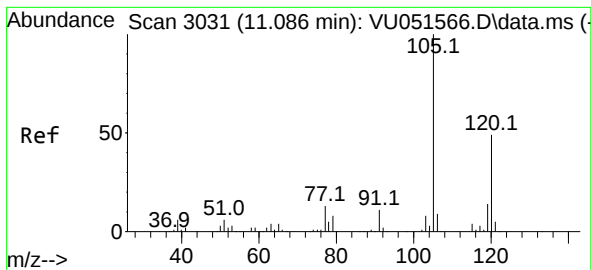
Ion Ratio Lower Upper

105 100

120 22.9 20.9 31.3

77 0.0 12.3 18.5#





#62

1,3,5-Trimethylbenzene

Concen: 0.449 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU051580.D

Acq: 28 Oct 2022 20:26

Instrument :

MSVOA_U

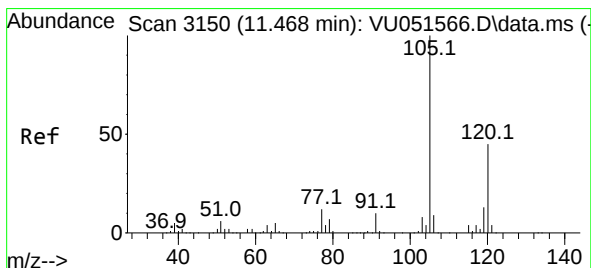
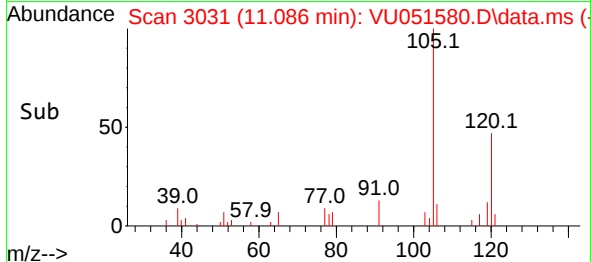
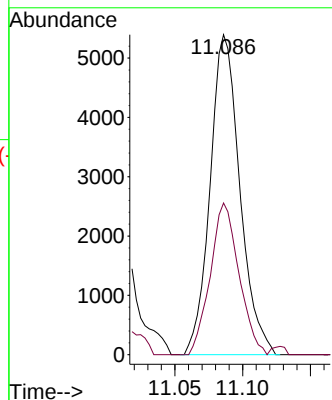
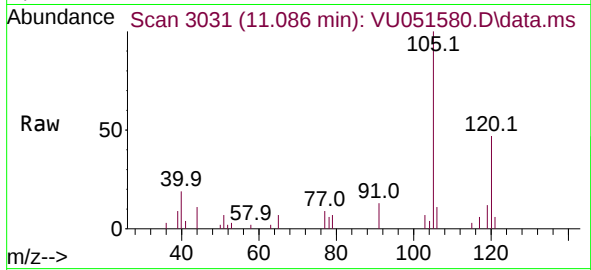
ClientSampleId :

Tgt Ion:105 Resp: 8239

Ion Ratio Lower Upper

105 100

120 45.6 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 0.543 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU051580.D

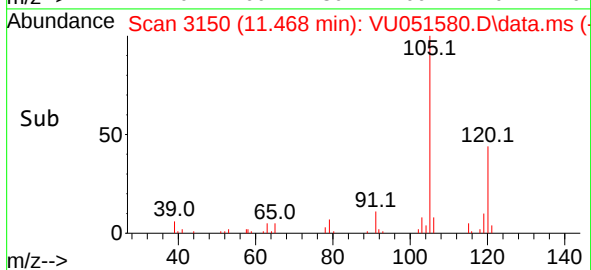
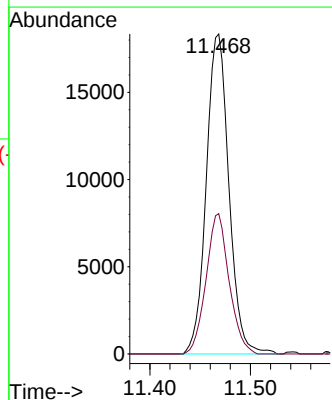
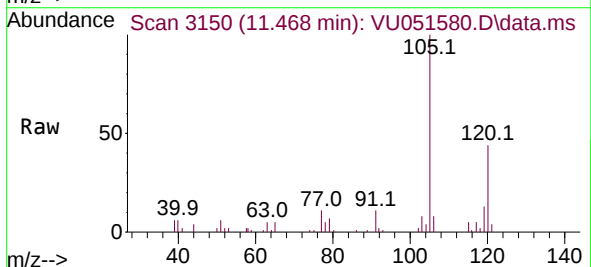
Acq: 28 Oct 2022 20:26

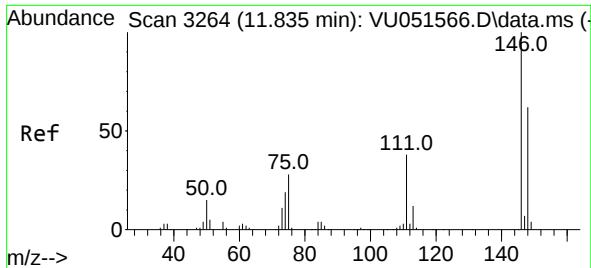
Tgt Ion:105 Resp: 28696

Ion Ratio Lower Upper

105 100

120 44.7 35.8 53.6





#65

1,4-Dichlorobenzene

Concen: 0.094 ug/L

RT: 11.835 min Scan# 31

Delta R.T. 0.000 min

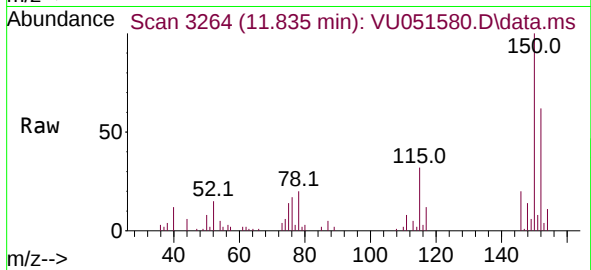
Lab File: VU051580.D

Acq: 28 Oct 2022 20:26

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 3213

Ion Ratio Lower Upper

146 100

111 42.3 26.7 49.5

148 68.9 43.5 80.9

