

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
 Data File : VU051144.D
 Acq On : 05 Oct 2022 22:42
 Operator : JC/MD
 Sample : N4889-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 06 06:31:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 06 06:20:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	423833	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	422926	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	228504	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	143490	33.406	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.820%
7) Chloroethane-d5	1.896	69	136750	34.273	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.540%#
11) 1,1-Dichloroethene-d2	2.562	63	189838	29.920	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.840%#
21) 2-Butanone-d5	4.620	46	259031	92.980	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.980%
24) Chloroform-d	5.060	84	302227	43.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.340%
26) 1,2-Dichloroethane-d4	5.700	65	195369	45.610	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.220%
32) Benzene-d6	5.726	84	628865	50.777	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.560%
36) 1,2-Dichloropropane-d6	6.690	67	213096	53.025	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.060%
41) Toluene-d8	7.896	98	569100	49.735	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.460%
43) trans-1,3-Dichloroprop...	8.176	79	83273	43.443	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.880%
47) 2-Hexanone-d5	8.632	63	151930	93.627	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.630%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	336358	47.890	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.780%
66) 1,2-Dichlorobenzene-d4	12.192	152	225726	46.241	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.480%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.601	62	4826	1.083	ug/L #	1
8) Chloroethane	1.919	64	28817	8.806	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1822	0.563	ug/L #	16
12) 1,1-Dichloroethene	2.556	96	1747	0.578	ug/L #	1
13) Acetone	2.626	43	7249	3.259	ug/L	96
19) 1,1-Dichloroethane	3.864	63	18276	2.992	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	6673	1.859	ug/L	95
22) 2-Butanone	4.723	43	3334	1.085	ug/L	90
29) Cyclohexane	5.385	56	155382	37.732	ug/L	94
33) Benzene	5.774	78	26503	2.055	ug/L	100
35) Methylcyclohexane	6.761	83	690809	151.983	ug/L	93
44) trans-1,3-Dichloropropene	8.176	75	3149	0.633	ug/L #	59
45) 1,1,2-Trichloroethane	8.366	97	36654	9.746	ug/L #	18
53) m,p-Xylene	9.571	106	8335726	1515.281	ug/L	73
54) o-Xylene	10.099	106	790157	143.704	ug/L	100
55) Styrene	10.099	104	42864	4.510	ug/L #	1
61) Isopropylbenzene	10.481	105	2267577	152.762	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	92848	7.649	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	730926	60.082	ug/L	100

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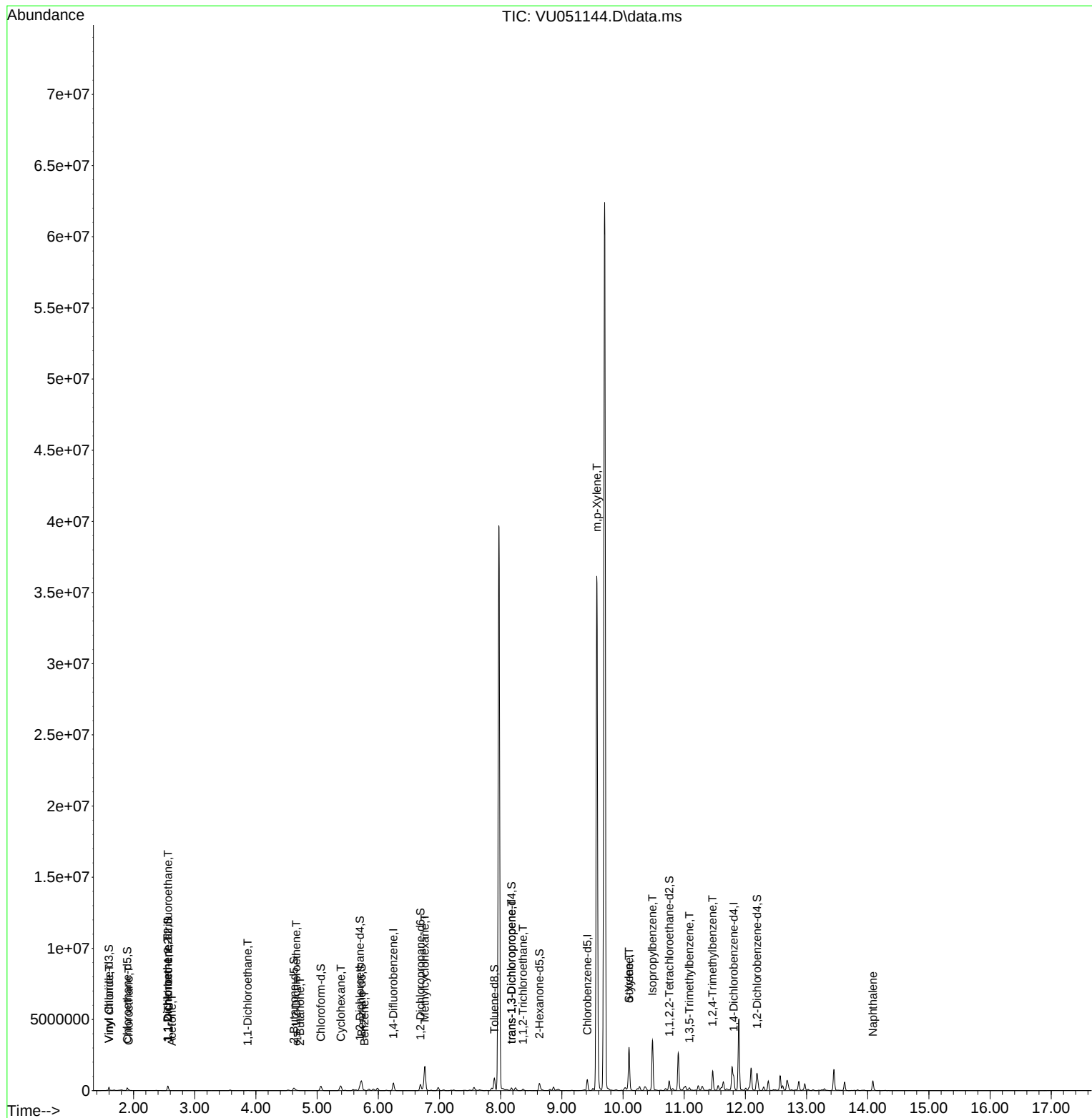
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.082	128	547254	36.012	ug/L	99

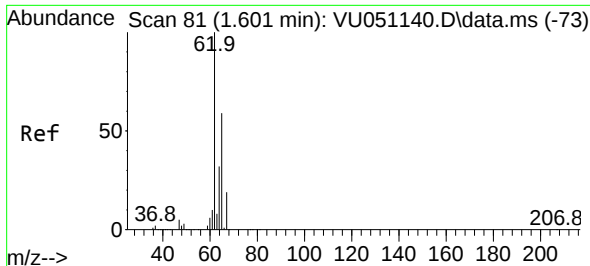
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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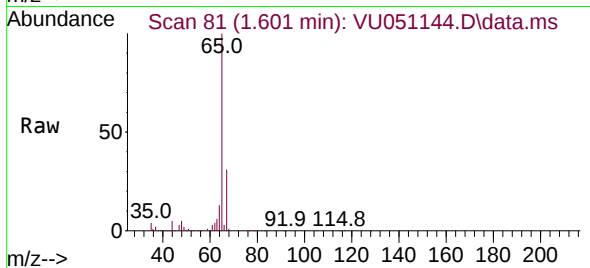
Quant Time: Oct 06 06:31:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
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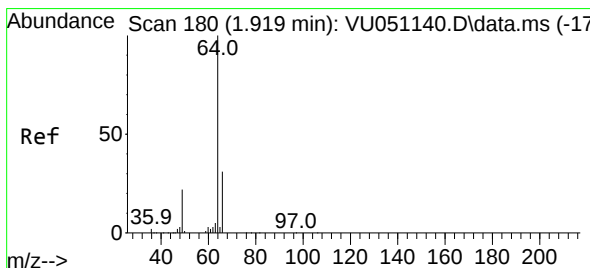
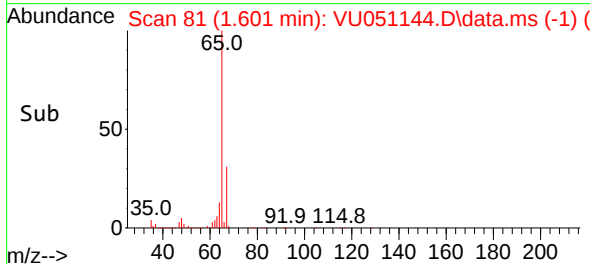
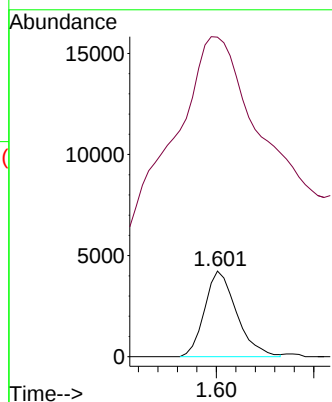


#5
 Vinyl chloride
 Concen: 1.083 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051144.D
 Acq: 05 Oct 2022 22:42

Instrument :
 MSVOA_U
 ClientSampleId :

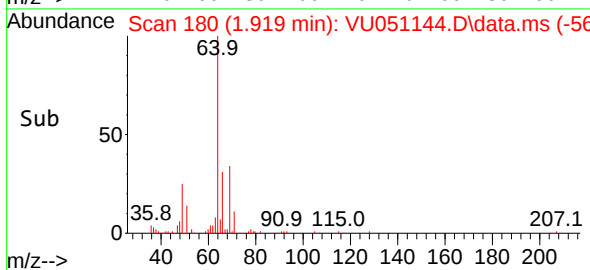
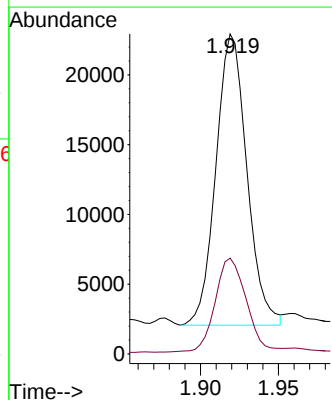
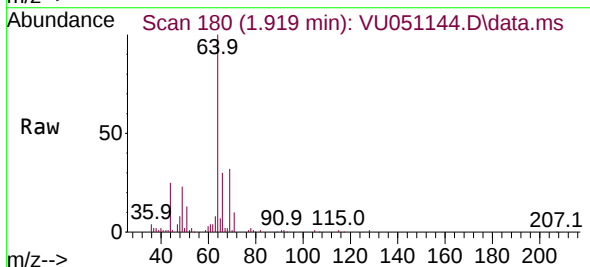


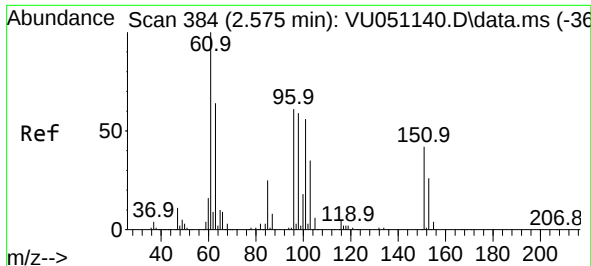
Tgt Ion: 62 Resp: 4826
 Ion Ratio Lower Upper
 62 100
 64 373.5 23.5 43.7#



#8
 Chloroethane
 Concen: 8.806 ug/L
 RT: 1.919 min Scan# 180
 Delta R.T. 0.000 min
 Lab File: VU051144.D
 Acq: 05 Oct 2022 22:42

Tgt Ion: 64 Resp: 28817
 Ion Ratio Lower Upper
 64 100
 66 29.9 22.3 41.3

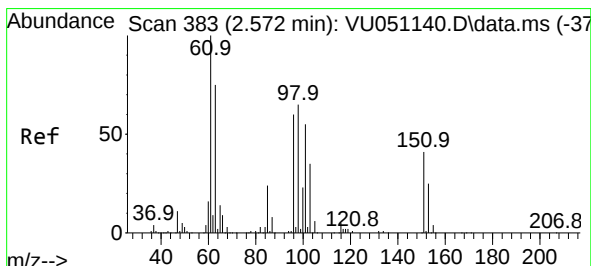
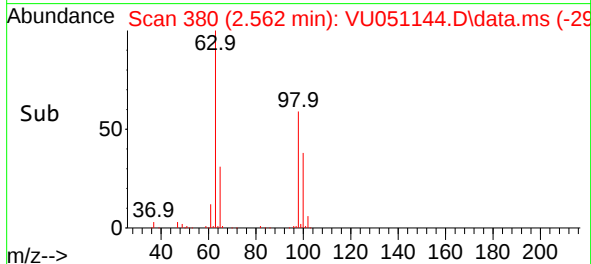
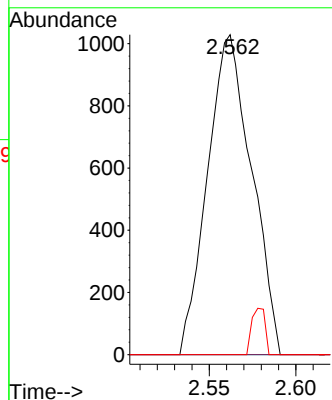
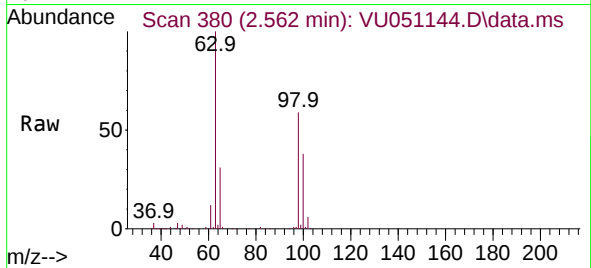




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.563 ug/L
RT: 2.562 min Scan# 31
Delta R.T. -0.013 min
Lab File: VU051144.D
Acq: 05 Oct 2022 22:42

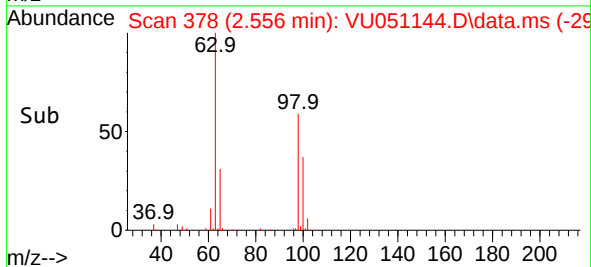
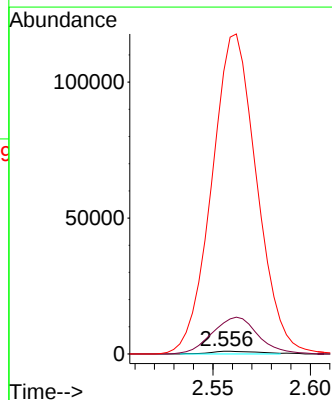
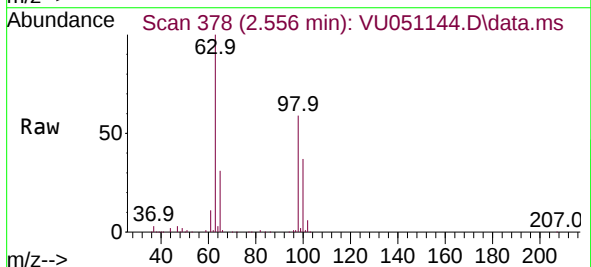
Instrument :
MSVOA_U
ClientSampleId :

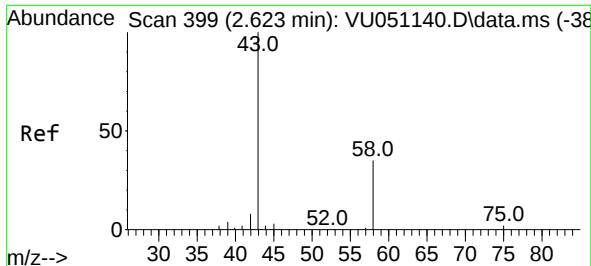
Tgt Ion:101 Resp: 1822
Ion Ratio Lower Upper
101 100
85 99.1 34.6 52.0#
151 4.4 58.6 87.8#



#12
1,1-Dichloroethene
Concen: 0.578 ug/L
RT: 2.556 min Scan# 378
Delta R.T. -0.016 min
Lab File: VU051144.D
Acq: 05 Oct 2022 22:42

Tgt Ion: 96 Resp: 1747
Ion Ratio Lower Upper
96 100
61 1123.1 113.0 209.9#
63 10206.7 91.7 170.3#





#13

Acetone

Concen: 3.259 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU051144.D

Acq: 05 Oct 2022 22:42

Instrument :

MSVOA_U

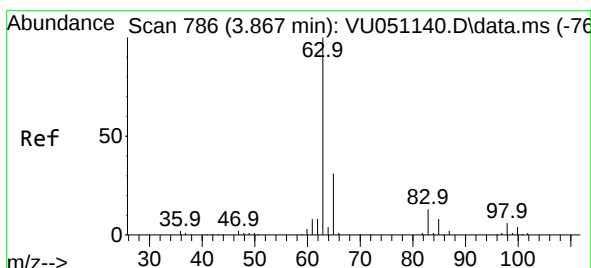
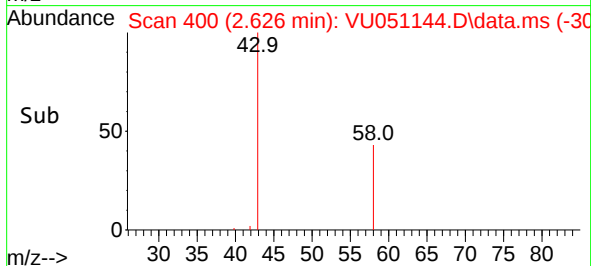
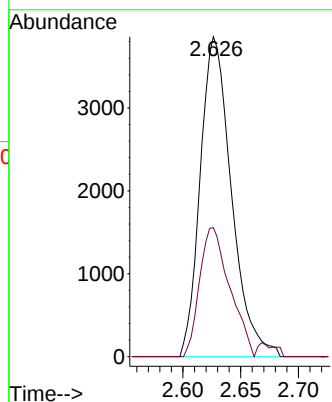
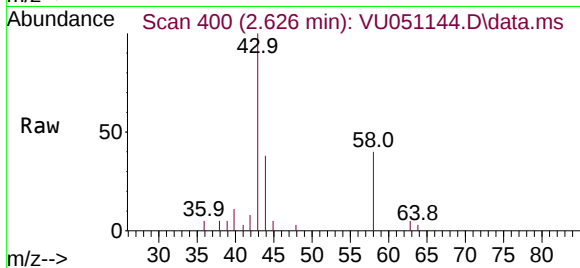
ClientSampleId :

Tgt Ion: 43 Resp: 7249

Ion Ratio Lower Upper

43 100

58 39.0 0.0 73.6



#19

1,1-Dichloroethane

Concen: 2.992 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU051144.D

Acq: 05 Oct 2022 22:42

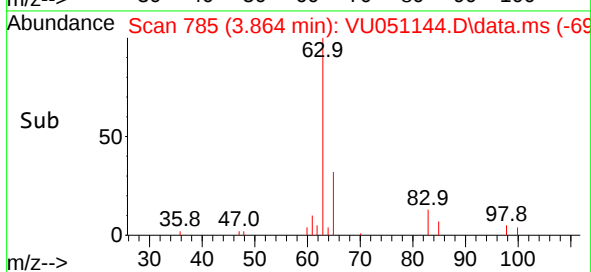
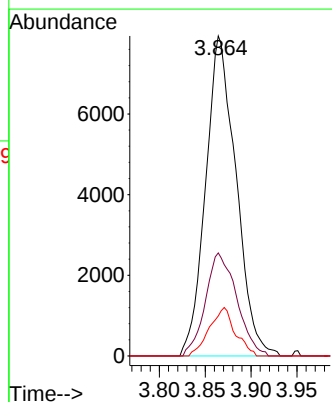
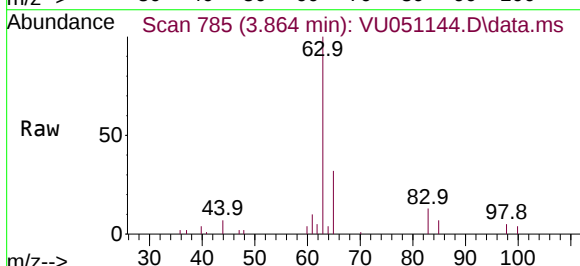
Tgt Ion: 63 Resp: 18276

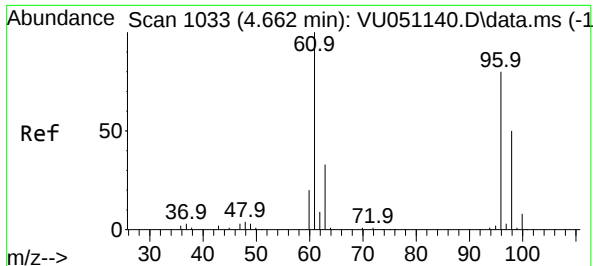
Ion Ratio Lower Upper

63 100

65 32.2 22.6 42.0

83 12.5 9.4 17.4





#20

cis-1,2-Dichloroethene

Concen: 1.859 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU051144.D

Acq: 05 Oct 2022 22:42

Instrument :

MSVOA_U

ClientSampleId :

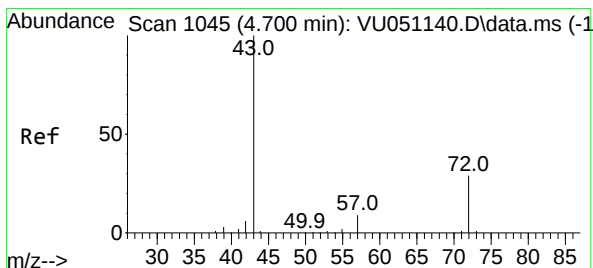
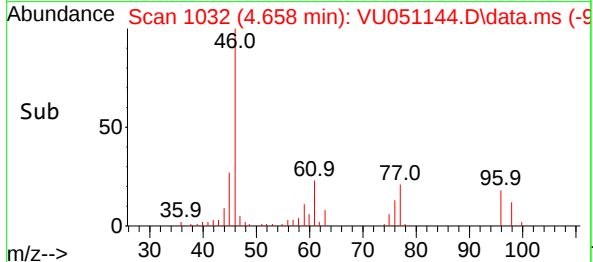
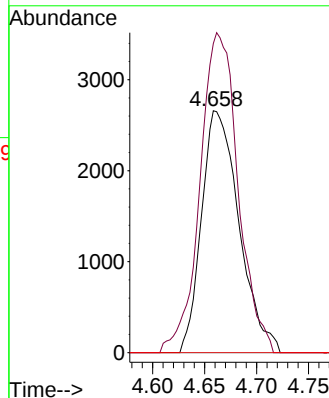
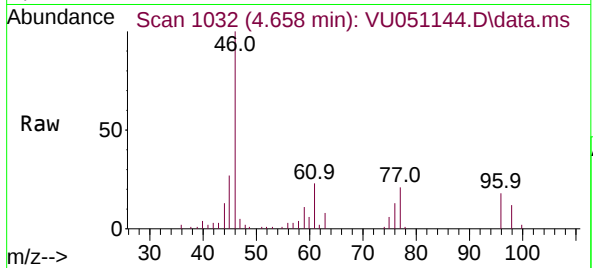
Tgt Ion: 96 Resp: 6673

Ion Ratio Lower Upper

96 100

61 127.8 85.4 158.6

68 0.0 0.0 0.0



#22

2-Butanone

Concen: 1.085 ug/L

RT: 4.723 min Scan# 1052

Delta R.T. 0.023 min

Lab File: VU051144.D

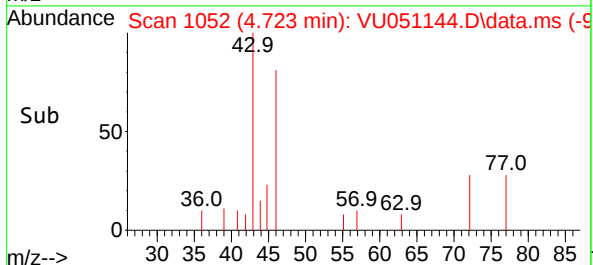
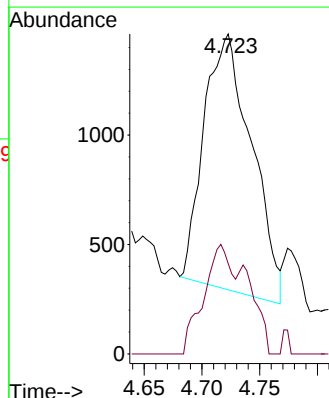
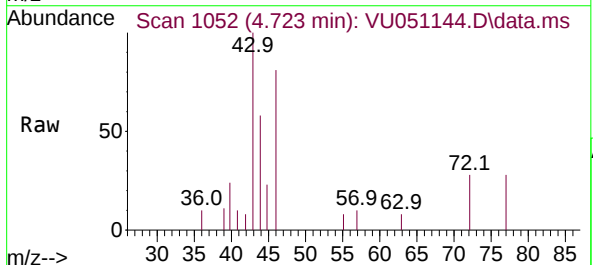
Acq: 05 Oct 2022 22:42

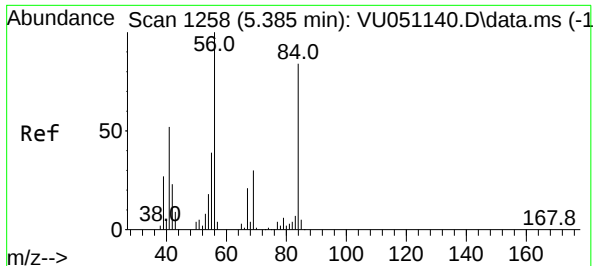
Tgt Ion: 43 Resp: 3334

Ion Ratio Lower Upper

43 100

72 26.0 15.8 47.4





#29

Cyclohexane

Concen: 37.732 ug/L

RT: 5.385 min Scan# 11

Delta R.T. 0.000 min

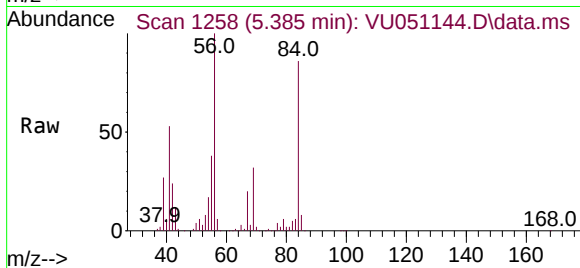
Lab File: VU051144.D

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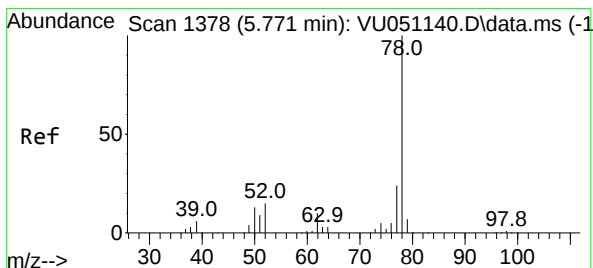
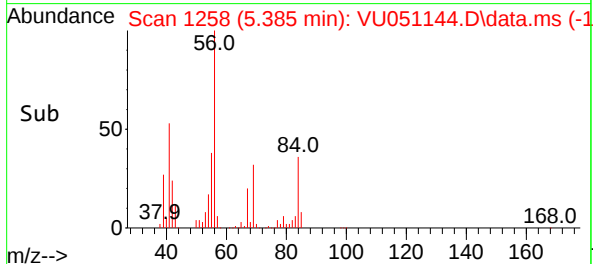
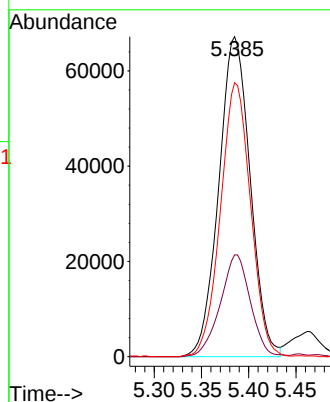
Tgt Ion: 56 Resp: 155382

Ion Ratio Lower Upper

56 100

69 30.5 24.8 37.2

84 82.0 71.8 107.6



#33

Benzene

Concen: 2.055 ug/L

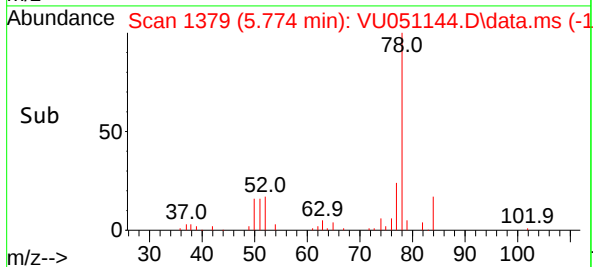
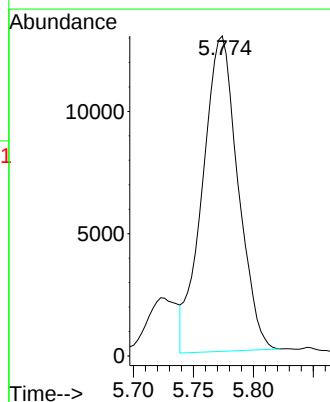
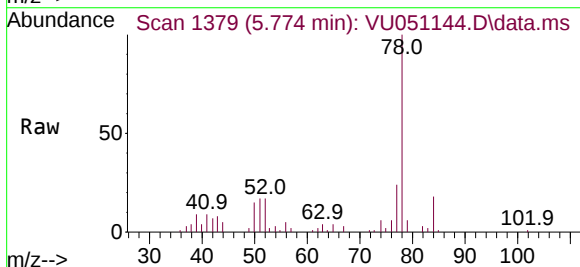
RT: 5.774 min Scan# 1379

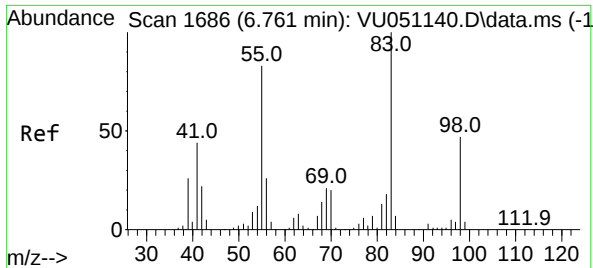
Delta R.T. 0.003 min

Lab File: VU051144.D

Acq: 05 Oct 2022 22:42

Tgt Ion: 78 Resp: 26503





#35

Methylcyclohexane

Concen: 151.983 ug/L

RT: 6.761 min Scan# 1

Delta R.T. 0.000 min

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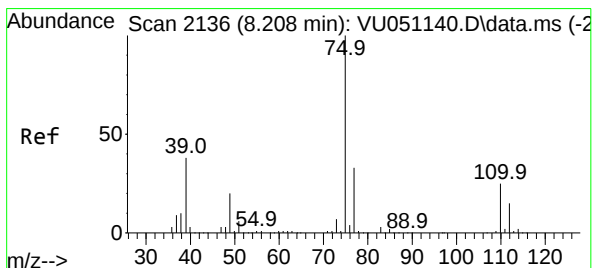
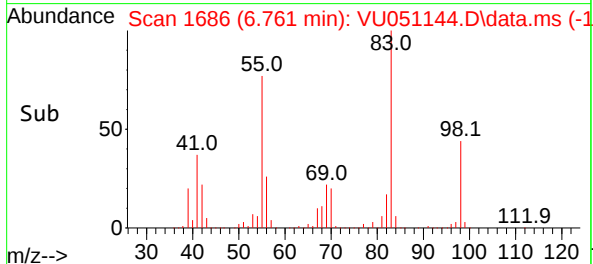
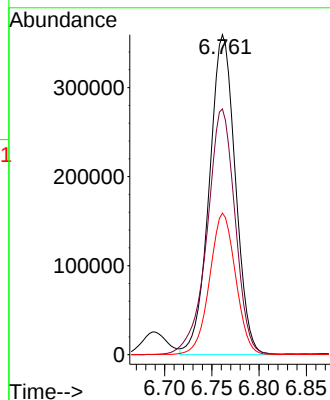
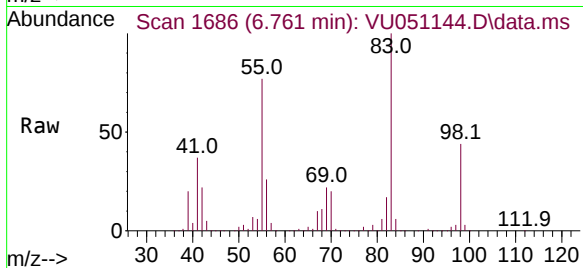
Tgt Ion: 83 Resp: 690809

Ion Ratio Lower Upper

83 100

55 82.4 59.3 88.9

98 44.1 36.0 54.0



#44

trans-1,3-Dichloropropene

Concen: 0.633 ug/L

RT: 8.176 min Scan# 2126

Delta R.T. -0.032 min

Lab File: VU051144.D

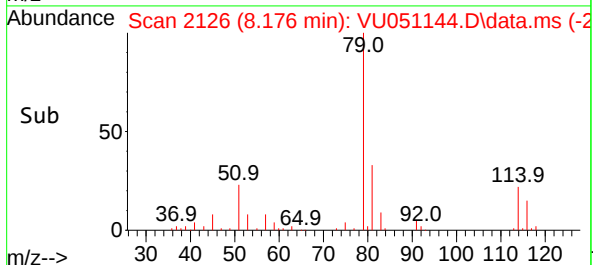
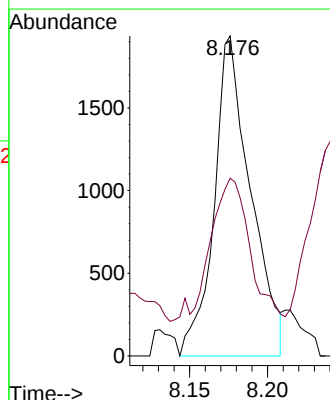
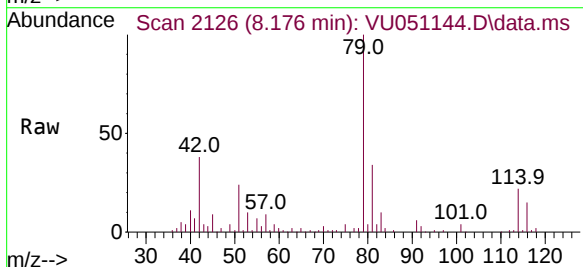
Acq: 05 Oct 2022 22:42

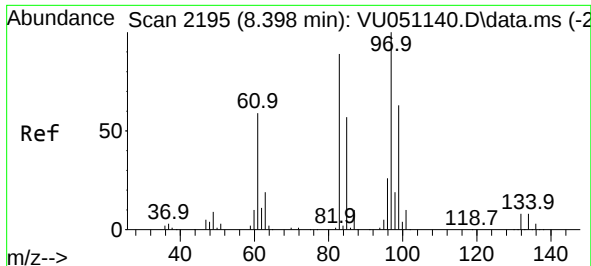
Tgt Ion: 75 Resp: 3149

Ion Ratio Lower Upper

75 100

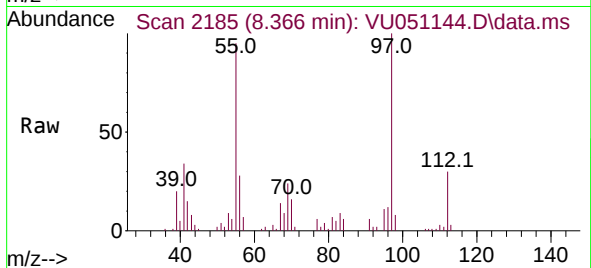
77 55.6 22.7 42.3#



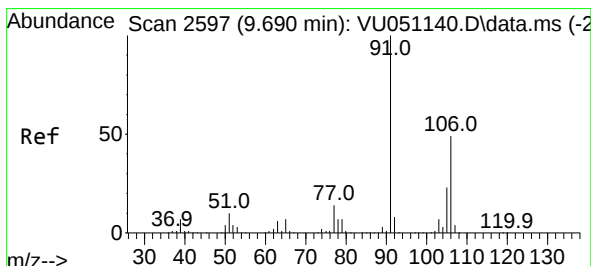
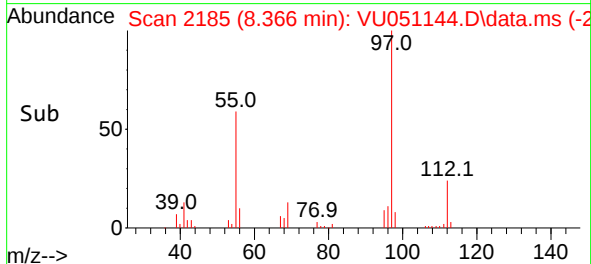
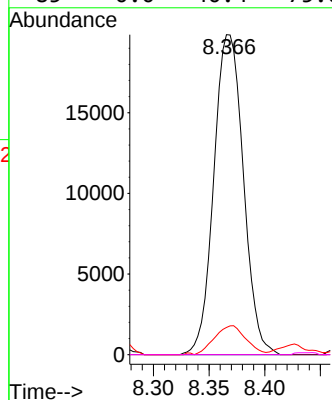


#45
1,1,2-Trichloroethane
Concen: 9.746 ug/L
RT: 8.366 min Scan# 2195
Delta R.T. -0.032 min
Lab File: VU051144.D
Acq: 05 Oct 2022 22:42

Instrument :
MSVOA_U
ClientSampleId :

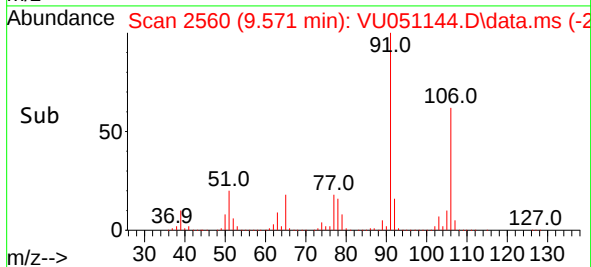
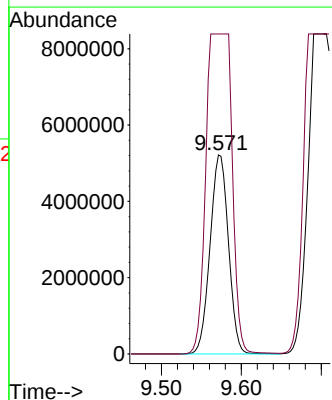
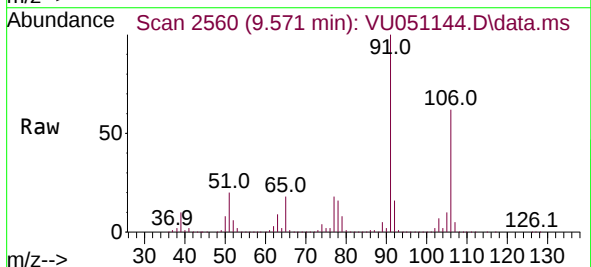


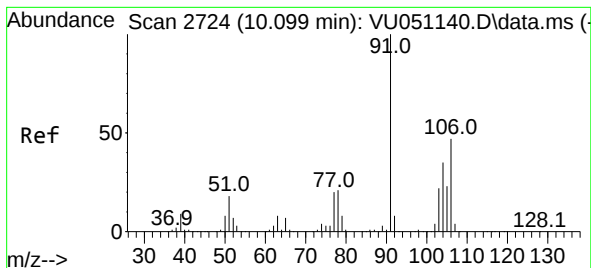
Tgt Ion:	97	Resp:	36654
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.4	82.4#
83	8.5	61.7	114.5#
85	0.0	40.4	75.0#



#53
m,p-Xylene
Concen: 1515.281 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.119 min
Lab File: VU051144.D
Acq: 05 Oct 2022 22:42

Tgt Ion:	106	Resp:	8335726
Ion	Ratio	Lower	Upper
106	100		
91	160.8	141.9	263.5





#54

o-Xylene

Concen: 143.704 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VU051144.D

Acq: 05 Oct 2022 22:42

Instrument :

MSVOA_U

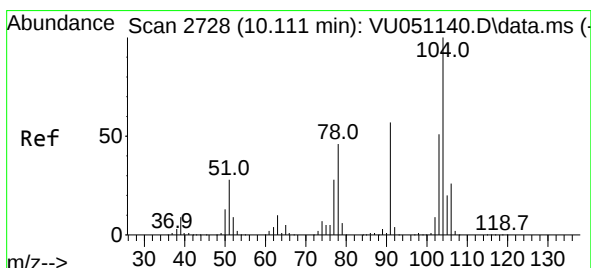
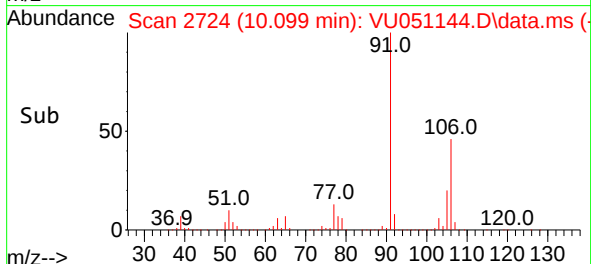
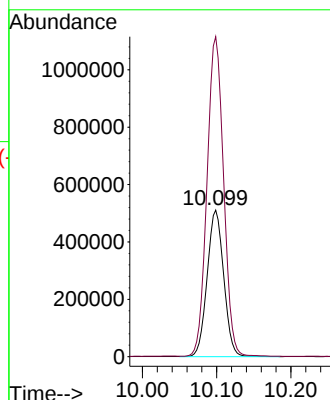
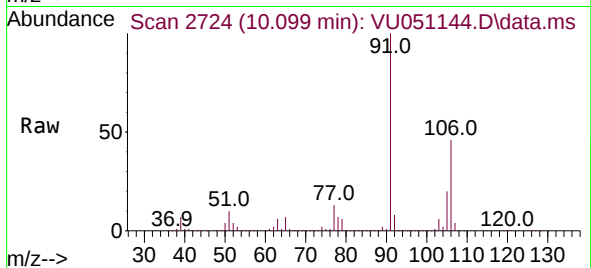
ClientSampleId :

Tgt Ion:106 Resp: 790157

Ion Ratio Lower Upper

106 100

91 218.3 152.4 283.0



#55

Styrene

Concen: 4.510 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. -0.013 min

Lab File: VU051144.D

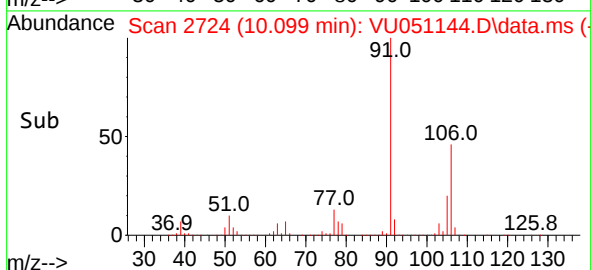
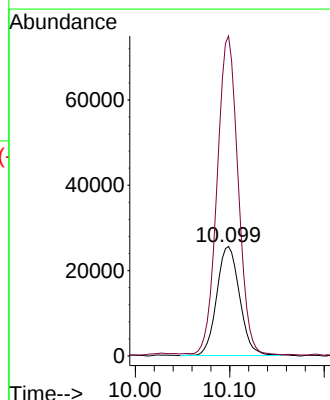
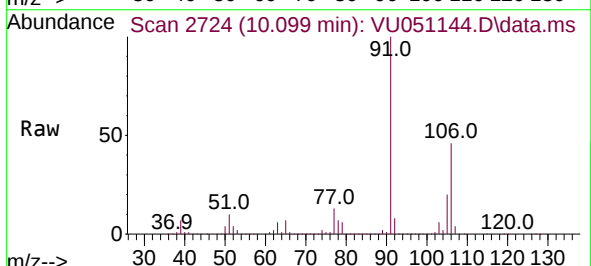
Acq: 05 Oct 2022 22:42

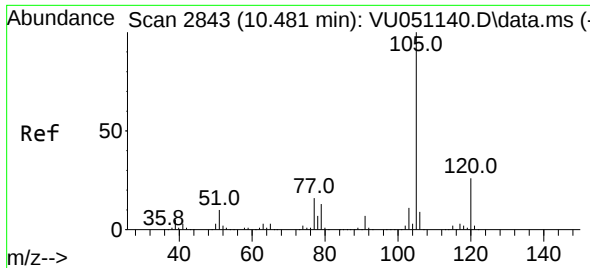
Tgt Ion:104 Resp: 42864

Ion Ratio Lower Upper

104 100

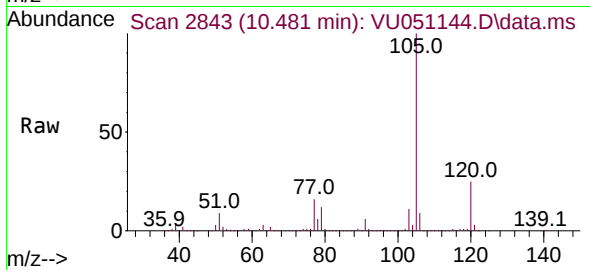
78 292.4 31.0 57.6#



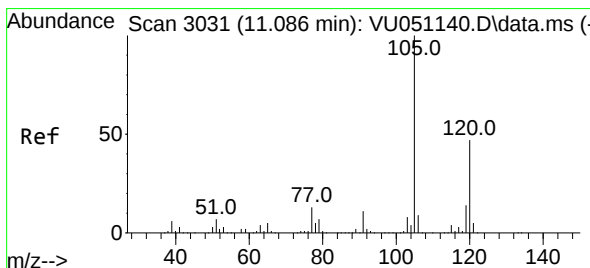
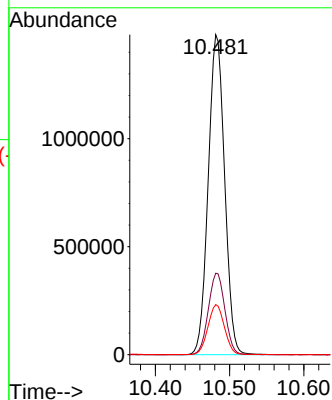
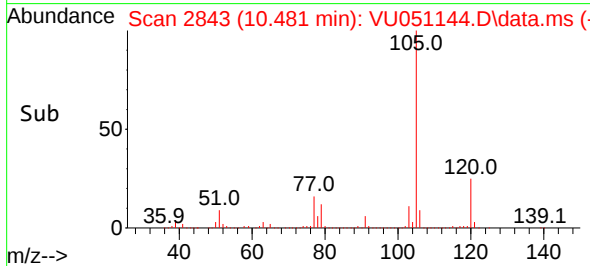


#61
Isopropylbenzene
Concen: 152.762 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051144.D
Acq: 05 Oct 2022 22:42

Instrument :
MSVOA_U
ClientSampleId :

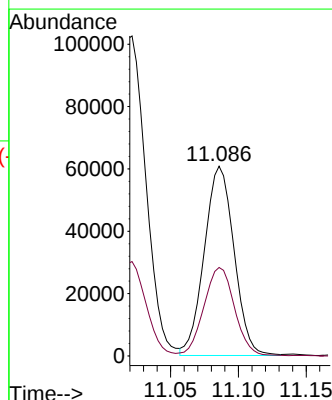
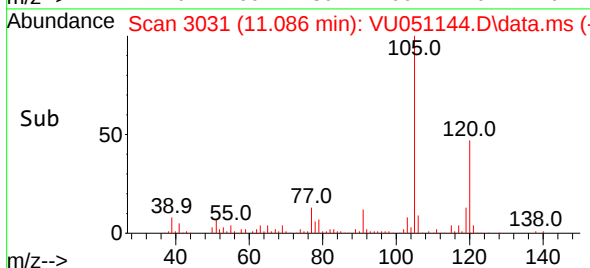
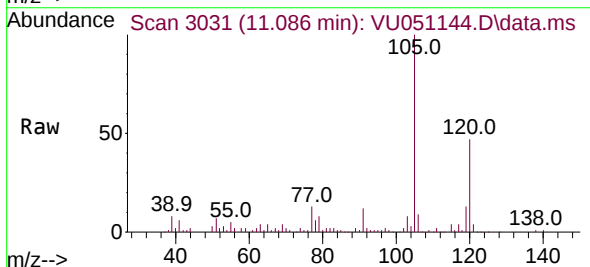


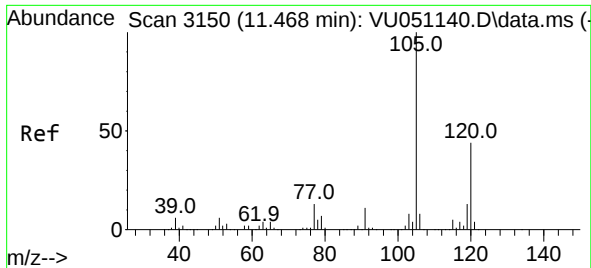
Tgt Ion:105 Resp: 2267577
Ion Ratio Lower Upper
105 100
120 25.8 21.1 31.7
77 15.7 12.8 19.2



#62
1,3,5-Trimethylbenzene
Concen: 7.649 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU051144.D
Acq: 05 Oct 2022 22:42

Tgt Ion:105 Resp: 92848
Ion Ratio Lower Upper
105 100
120 48.4 37.8 56.8

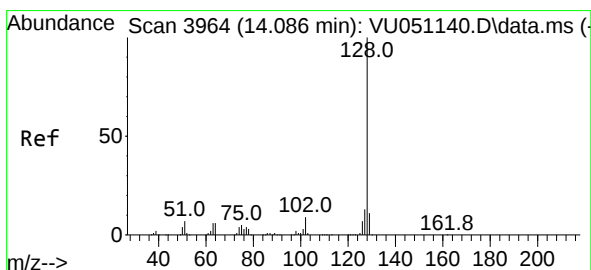
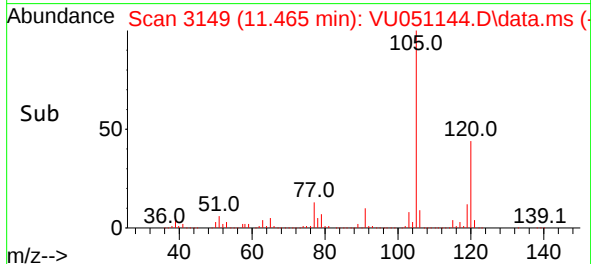
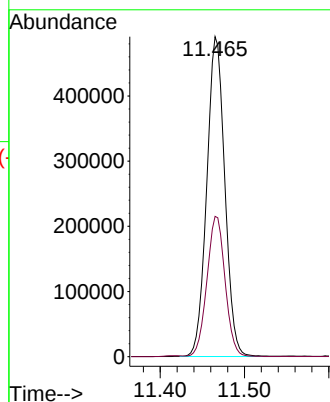
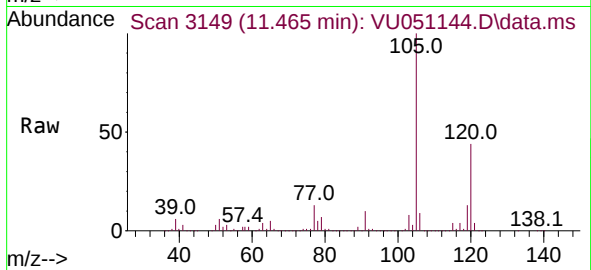




#63
1,2,4-Trimethylbenzene
Concen: 60.082 ug/L
RT: 11.465 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU051144.D
Acq: 05 Oct 2022 22:42

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 730926
Ion Ratio Lower Upper
105 100
120 44.3 35.5 53.3



#71
Naphthalene
Concen: 36.012 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.003 min
Lab File: VU051144.D
Acq: 05 Oct 2022 22:42

Tgt Ion:128 Resp: 547254
Ion Ratio Lower Upper
128 100
127 13.0 10.7 16.1
129 11.2 8.6 13.0

