

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
 Data File : VU051143.D
 Acq On : 05 Oct 2022 22:18
 Operator : JC/MD
 Sample : N4889-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ60

Quant Time: Oct 06 06:31:02 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	411105	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	413312	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	223844	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	140421	33.704	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.400%
7) Chloroethane-d5	1.900	69	135417	34.990	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.980%#
11) 1,1-Dichloroethene-d2	2.562	63	180213	29.282	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.560%#
21) 2-Butanone-d5	4.620	46	252108	93.296	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.300%
24) Chloroform-d	5.060	84	296724	44.205	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.700	65	195356	47.019	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.040%
32) Benzene-d6	5.726	84	618814	51.128	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.260%
36) 1,2-Dichloropropane-d6	6.687	67	210171	53.514	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.020%
41) Toluene-d8	7.896	98	555072	49.637	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.280%
43) trans-1,3-Dichloroprop...	8.179	79	83832	44.752	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.500%
47) 2-Hexanone-d5	8.633	63	145539	91.775	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.770%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	334077	48.671	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.340%
66) 1,2-Dichlorobenzene-d4	12.192	152	224265	46.898	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	3701	0.856	ug/L #	1
8) Chloroethane	1.922	64	30435	9.588	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1979	0.631	ug/L #	22
12) 1,1-Dichloroethene	2.559	96	1649	0.562	ug/L #	1
13) Acetone	2.626	43	7501	3.476	ug/L	93
19) 1,1-Dichloroethane	3.864	63	15412	2.601	ug/L	96
20) cis-1,2-Dichloroethene	4.668	96	4069	1.168	ug/L	99
29) Cyclohexane	5.385	56	141994	35.283	ug/L	96
33) Benzene	5.774	78	27778	2.204	ug/L	100
35) Methylcyclohexane	6.761	83	661995	149.031	ug/L	93
37) 1,2-Dichloropropane	6.758	63	8774	2.586	ug/L	98
44) trans-1,3-Dichloropropene	8.179	75	3540	0.729	ug/L #	61
45) 1,1,2-Trichloroethane	8.366	97	34641	9.425	ug/L #	18
53) m,p-Xylene	9.571	106	8037159	1494.991	ug/L	77
54) o-Xylene	10.099	106	550604	102.467	ug/L	100
55) Styrene	10.099	104	28864	3.108	ug/L #	1
61) Isopropylbenzene	10.481	105	2186696	150.380	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	82594	6.946	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	646287	54.231	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Thu Oct 06 06:20:30 2022
Response via : Initial Calibration

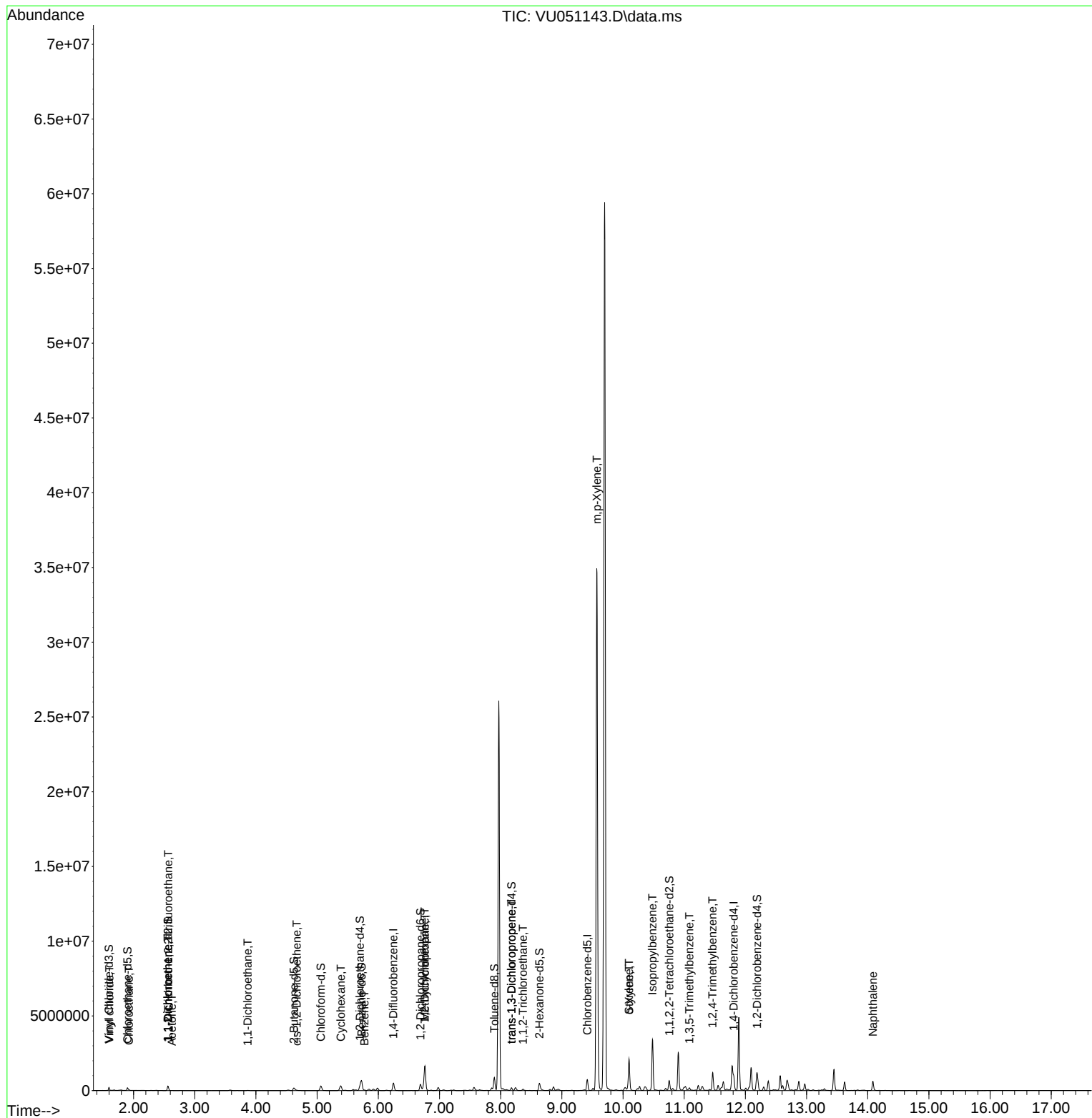
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.086	128	498999	33.520	ug/L	99

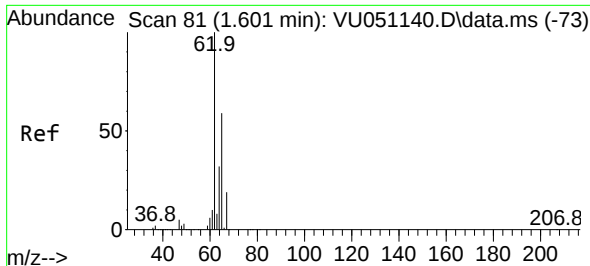
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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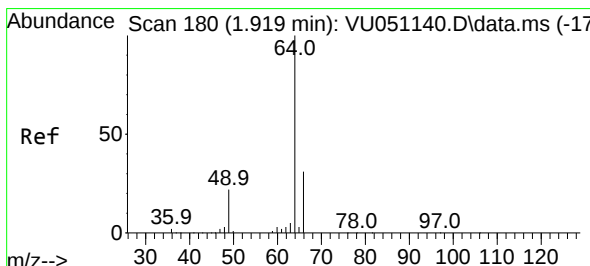
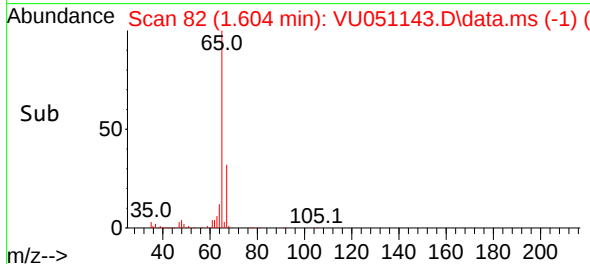
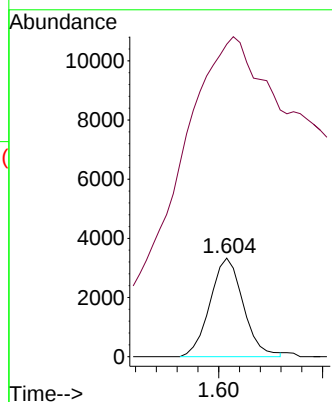
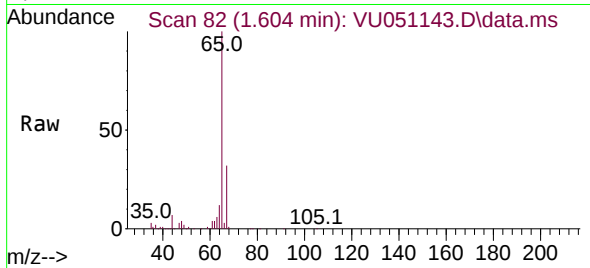




#5
 Vinyl chloride
 Concen: 0.856 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU051143.D
 Acq: 05 Oct 2022 22:18

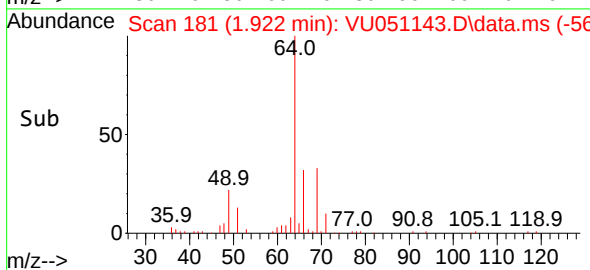
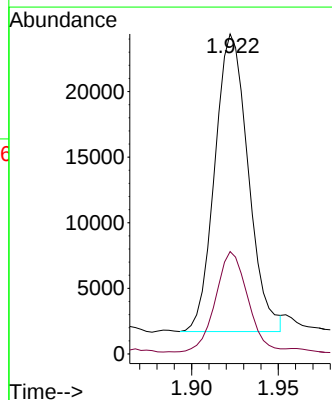
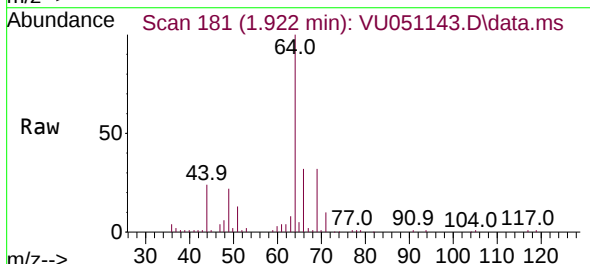
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ60

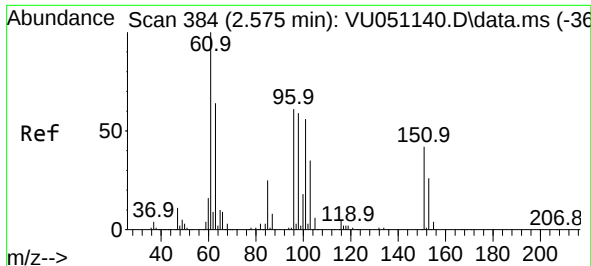
Tgt Ion: 62 Resp: 3701
 Ion Ratio Lower Upper
 62 100
 64 317.0 23.5 43.7#



#8
 Chloroethane
 Concen: 9.588 ug/L
 RT: 1.922 min Scan# 181
 Delta R.T. 0.003 min
 Lab File: VU051143.D
 Acq: 05 Oct 2022 22:18

Tgt Ion: 64 Resp: 30435
 Ion Ratio Lower Upper
 64 100
 66 32.0 22.3 41.3

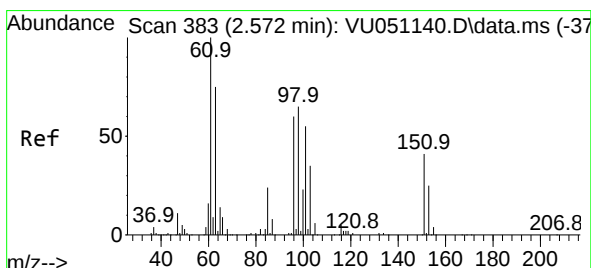
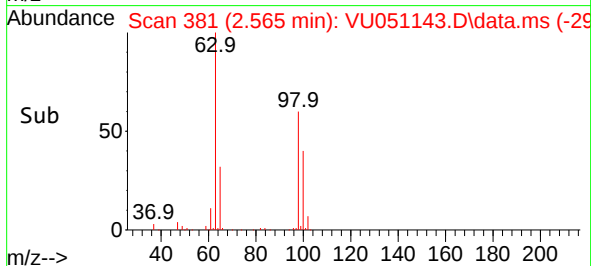
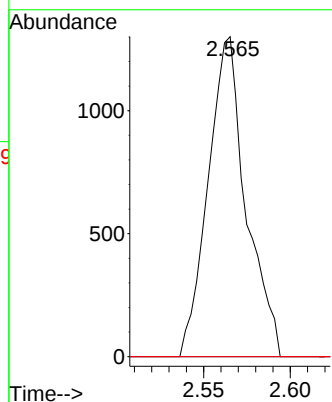
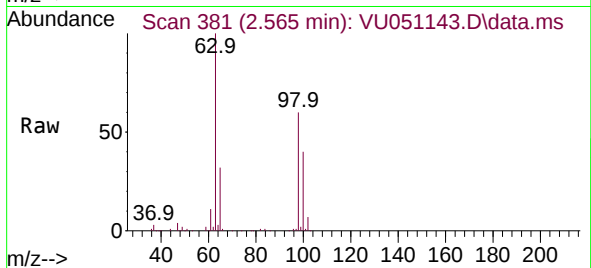




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.631 ug/L
RT: 2.565 min Scan# 310
Delta R.T. -0.010 min
Lab File: VU051143.D
Acq: 05 Oct 2022 22:18

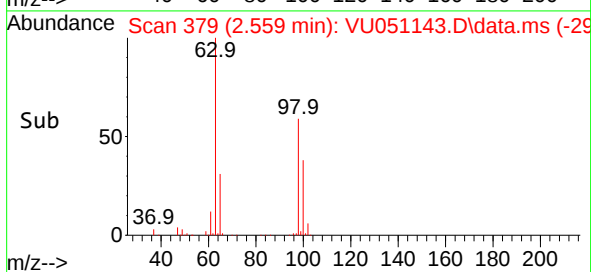
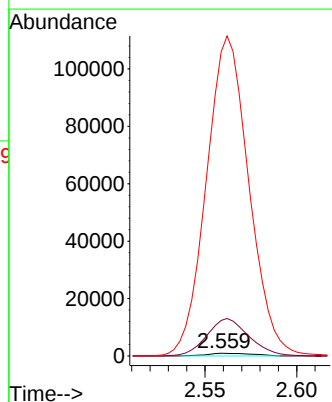
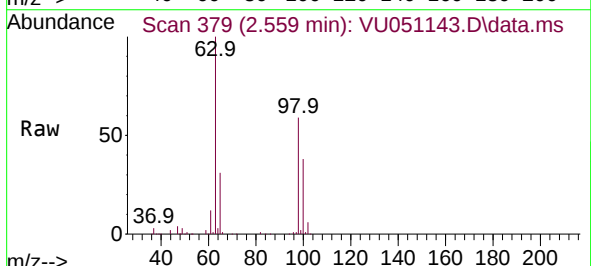
Instrument :
MSVOA_U
ClientSampleId :
EXZ60

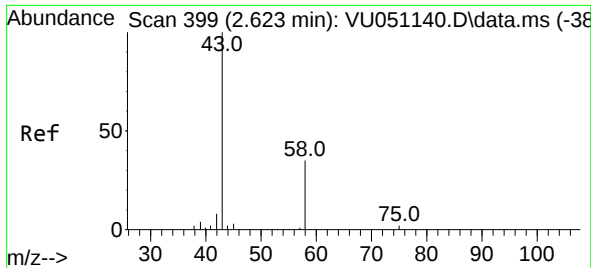
Tgt Ion:101 Resp: 1979
Ion Ratio Lower Upper
101 100
85 83.8 34.6 52.0#
151 0.0 58.6 87.8#



#12
1,1-Dichloroethene
Concen: 0.562 ug/L
RT: 2.559 min Scan# 379
Delta R.T. -0.013 min
Lab File: VU051143.D
Acq: 05 Oct 2022 22:18

Tgt Ion: 96 Resp: 1649
Ion Ratio Lower Upper
96 100
61 1303.4 113.0 209.9#
63 11136.9 91.7 170.3#





#13

Acetone

Concen: 3.476 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU051143.D

Acq: 05 Oct 2022 22:18

Instrument :

MSVOA_U

ClientSampleId :

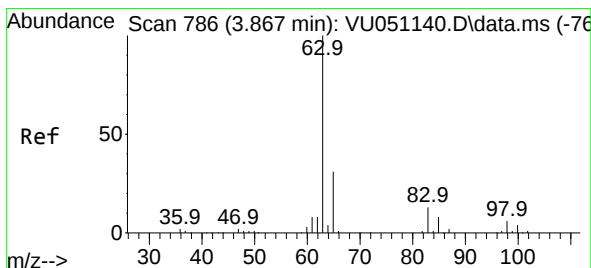
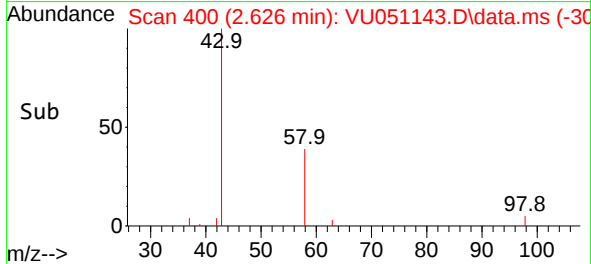
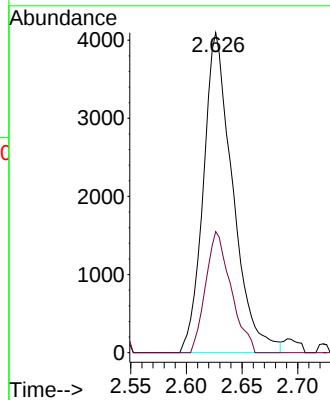
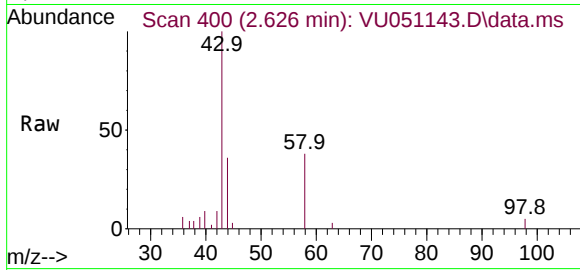
EXZ60

Tgt Ion: 43 Resp: 7501

Ion Ratio Lower Upper

43 100

58 32.6 0.0 73.6



#19

1,1-Dichloroethane

Concen: 2.601 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU051143.D

Acq: 05 Oct 2022 22:18

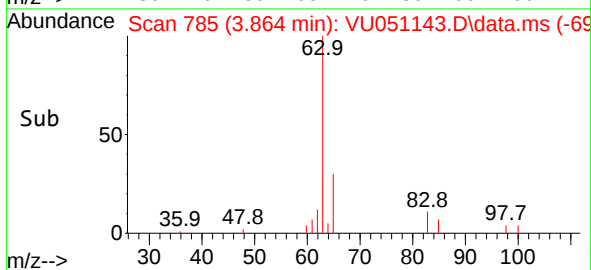
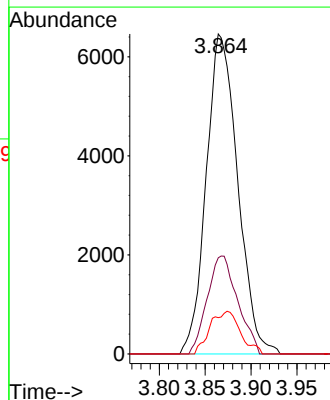
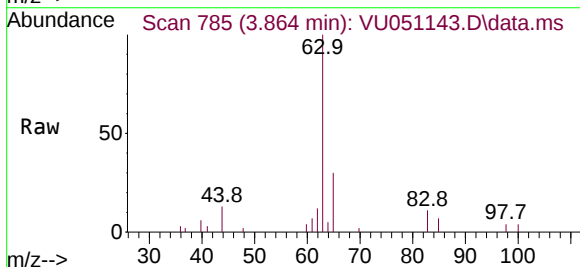
Tgt Ion: 63 Resp: 15412

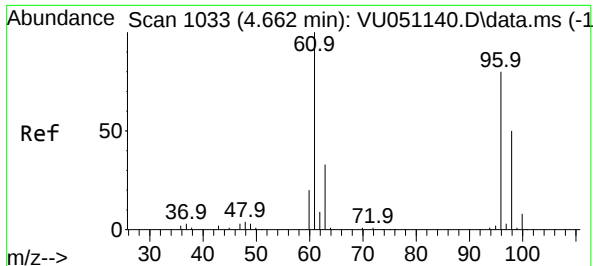
Ion Ratio Lower Upper

63 100

65 30.1 22.6 42.0

83 11.3 9.4 17.4

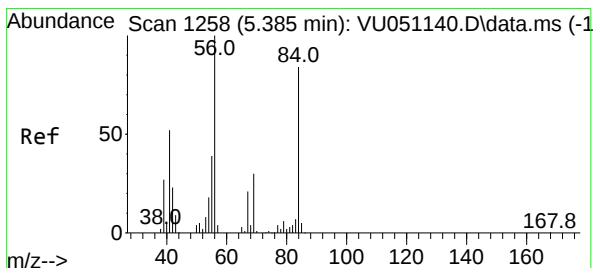
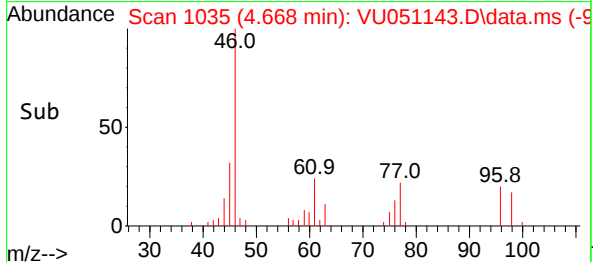
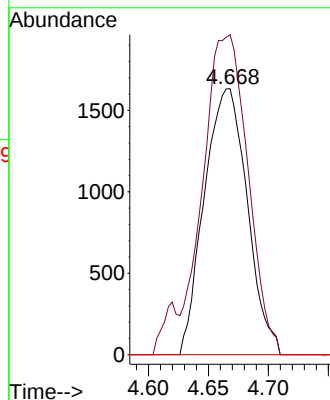
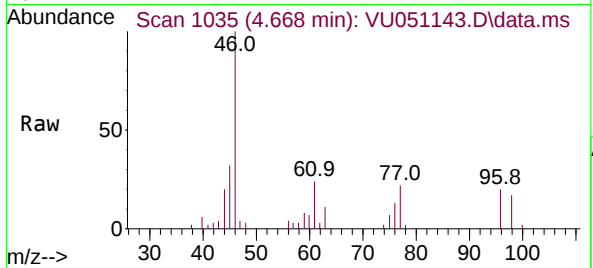




#20
 cis-1,2-Dichloroethene
 Concen: 1.168 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.006 min
 Lab File: VU051143.D
 Acq: 05 Oct 2022 22:18

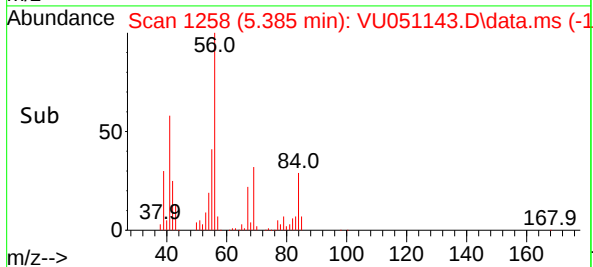
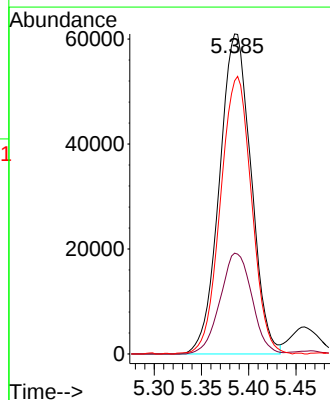
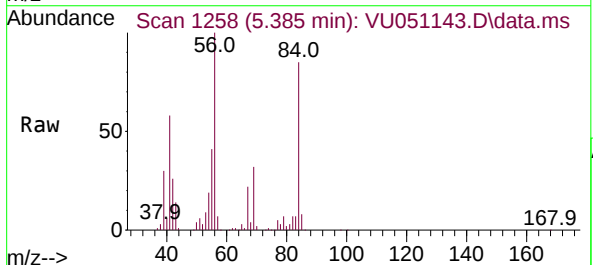
Instrument :
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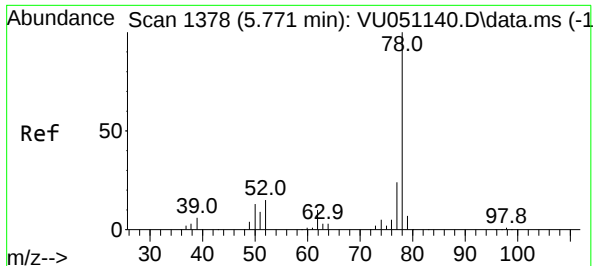
Tgt Ion: 96 Resp: 4069
 Ion Ratio Lower Upper
 96 100
 61 120.3 85.4 158.6
 68 0.0 0.0 0.0



#29
 Cyclohexane
 Concen: 35.283 ug/L
 RT: 5.385 min Scan# 1258
 Delta R.T. 0.000 min
 Lab File: VU051143.D
 Acq: 05 Oct 2022 22:18

Tgt Ion: 56 Resp: 141994
 Ion Ratio Lower Upper
 56 100
 69 31.6 24.8 37.2
 84 85.0 71.8 107.6

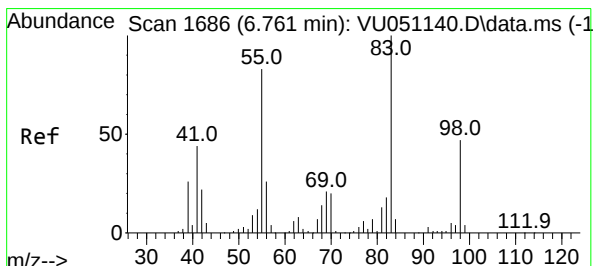
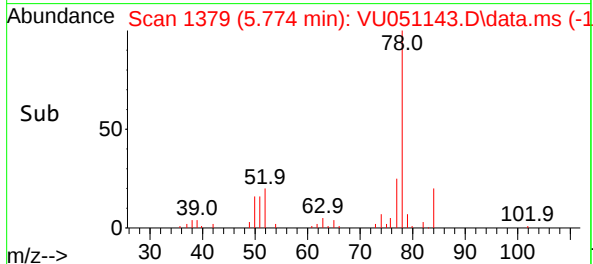
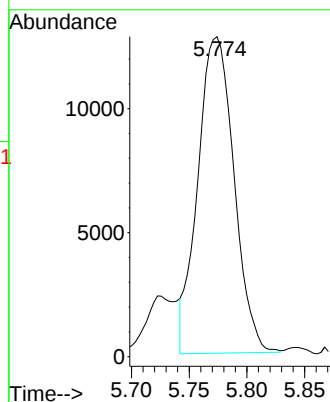
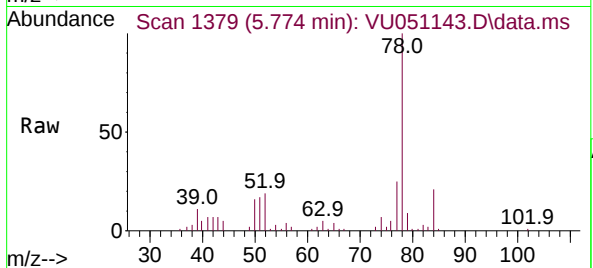




#33
Benzene
Concen: 2.204 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051143.D
Acq: 05 Oct 2022 22:18

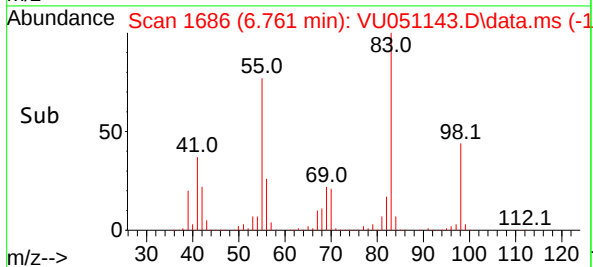
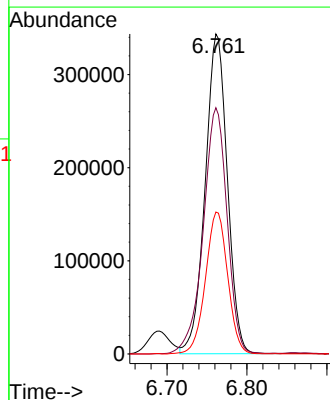
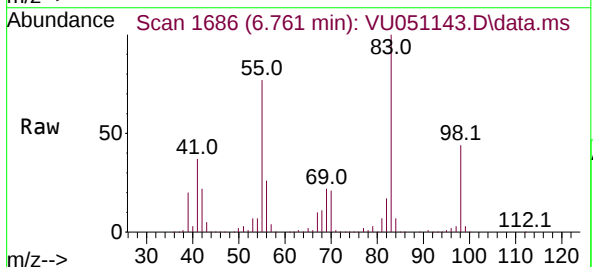
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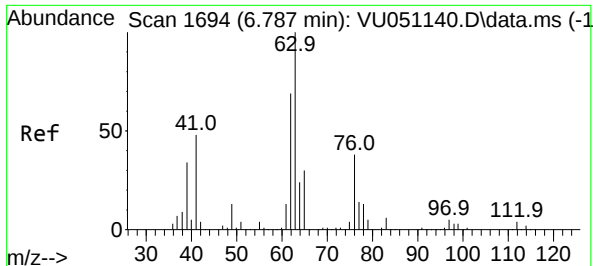
Tgt Ion: 78 Resp: 27778



#35
Methylcyclohexane
Concen: 149.031 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051143.D
Acq: 05 Oct 2022 22:18

Tgt Ion: 83 Resp: 661995
Ion Ratio Lower Upper
83 100
55 83.1 59.3 88.9
98 44.5 36.0 54.0

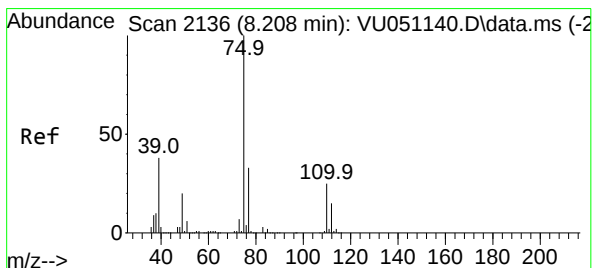
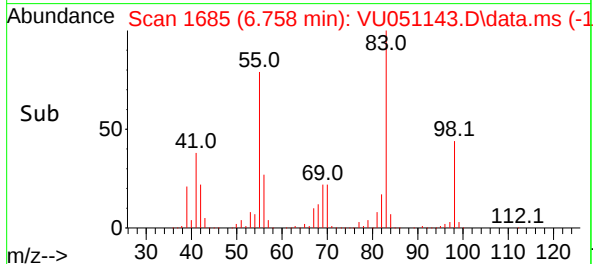
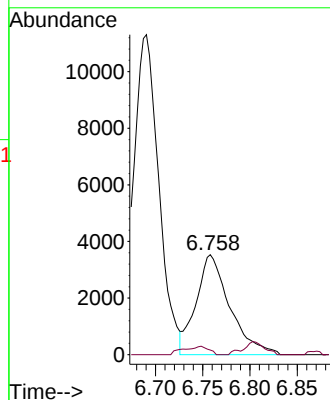
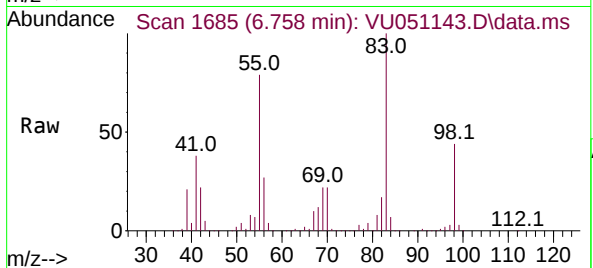




#37
1,2-Dichloropropane
Concen: 2.586 ug/L
RT: 6.758 min Scan# 1
Delta R.T. -0.029 min
Lab File: VU051143.D
Acq: 05 Oct 2022 22:18

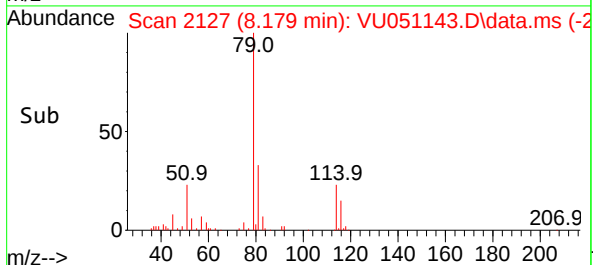
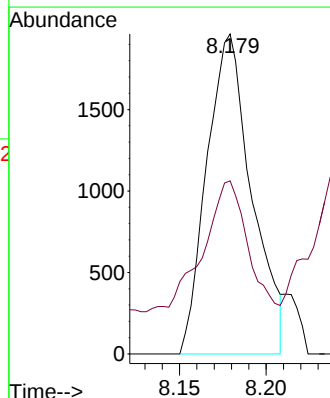
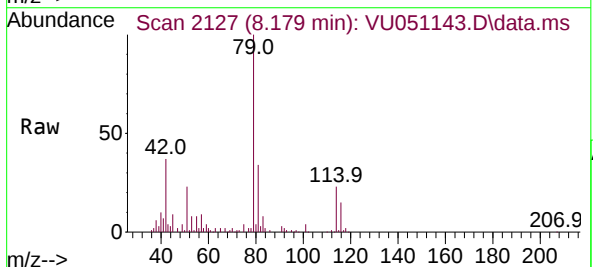
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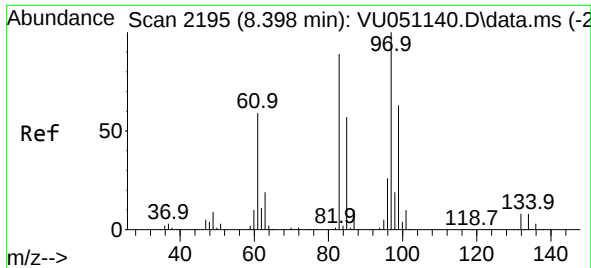
Tgt Ion: 63 Resp: 8774
Ion Ratio Lower Upper
63 100
112 3.4 3.3 4.9



#44
trans-1,3-Dichloropropene
Concen: 0.729 ug/L
RT: 8.179 min Scan# 2127
Delta R.T. -0.029 min
Lab File: VU051143.D
Acq: 05 Oct 2022 22:18

Tgt Ion: 75 Resp: 3540
Ion Ratio Lower Upper
75 100
77 54.1 22.7 42.3#

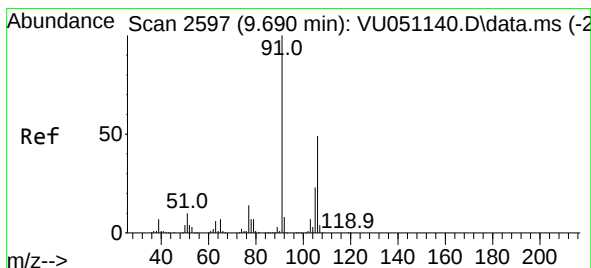
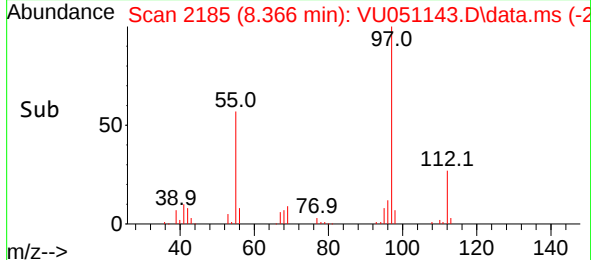
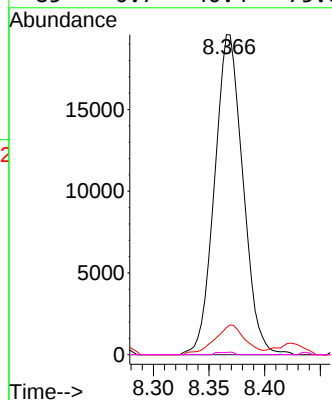
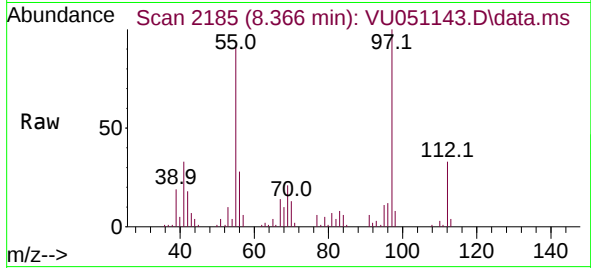




#45
 1,1,2-Trichloroethane
 Concen: 9.425 ug/L
 RT: 8.366 min Scan# 2195
 Delta R.T. -0.032 min
 Lab File: VU051143.D
 Acq: 05 Oct 2022 22:18

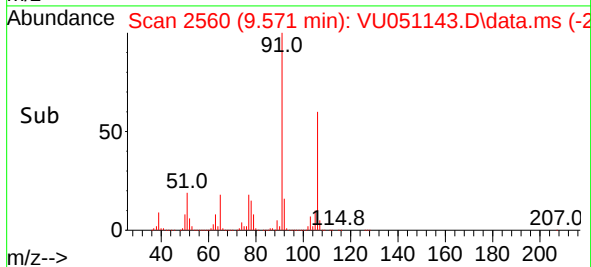
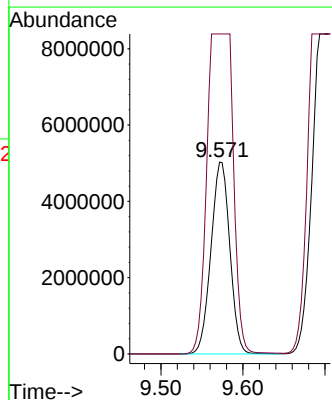
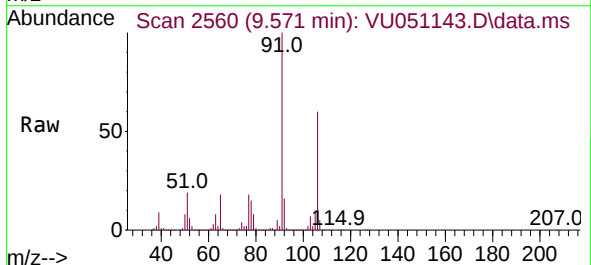
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ60

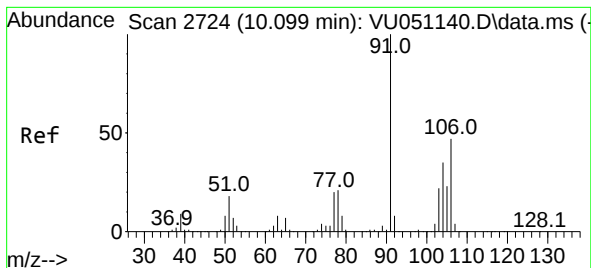
Tgt Ion: 97	Resp: 34641
Ion Ratio	Lower Upper
97 100	
99 0.0	44.4 82.4#
83 8.5	61.7 114.5#
85 0.7	40.4 75.0#



#53
 m,p-Xylene
 Concen: 1494.991 ug/L
 RT: 9.571 min Scan# 2560
 Delta R.T. -0.119 min
 Lab File: VU051143.D
 Acq: 05 Oct 2022 22:18

Tgt Ion: 106	Resp: 8037159
Ion Ratio	Lower Upper
106 100	
91 166.9	141.9 263.5





#54

o-Xylene

Concen: 102.467 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VU051143.D

Acq: 05 Oct 2022 22:18

Instrument :

MSVOA_U

ClientSampleId :

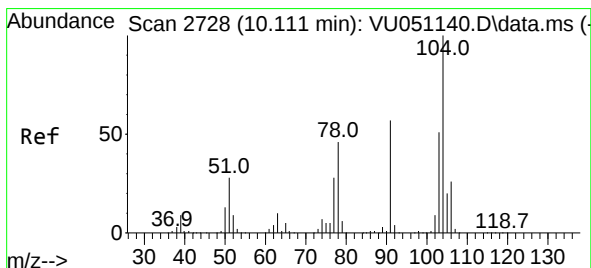
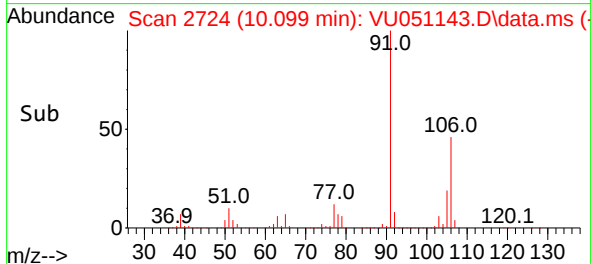
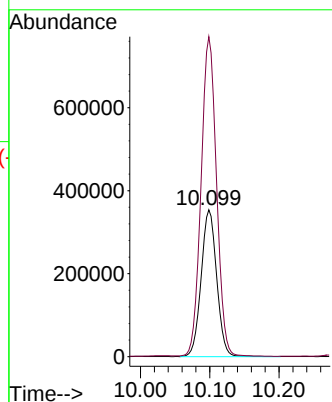
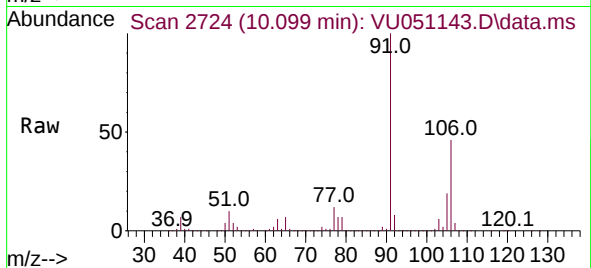
EXZ60

Tgt Ion:106 Resp: 550604

Ion Ratio Lower Upper

106 100

91 217.8 152.4 283.0



#55

Styrene

Concen: 3.108 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. -0.013 min

Lab File: VU051143.D

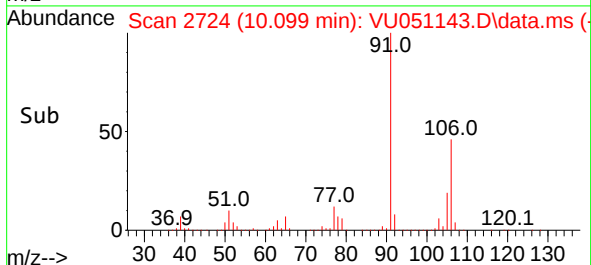
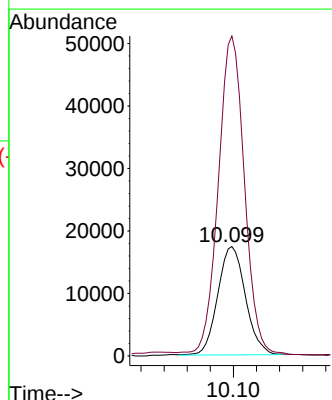
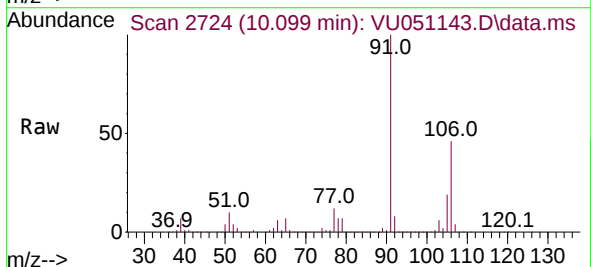
Acq: 05 Oct 2022 22:18

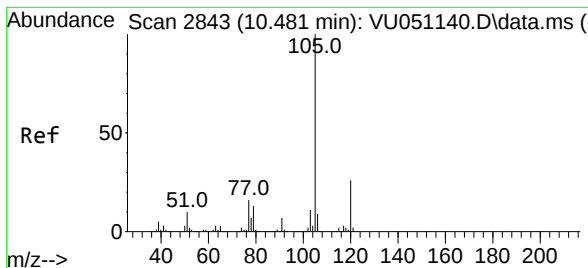
Tgt Ion:104 Resp: 28864

Ion Ratio Lower Upper

104 100

78 292.6 31.0 57.6#





#61

Isopropylbenzene

Concen: 150.380 ug/L

RT: 10.481 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051143.D

Acq: 05 Oct 2022 22:18

Instrument :

MSVOA_U

ClientSampleId :

EXZ60

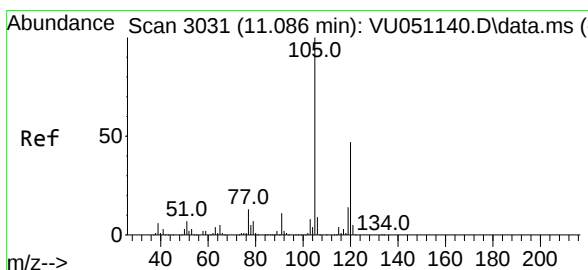
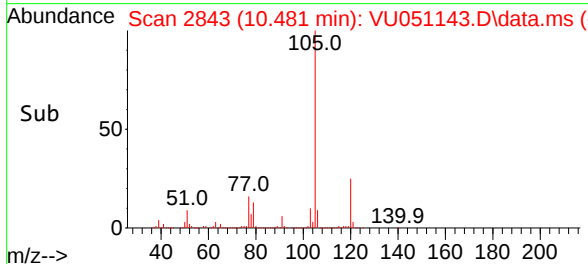
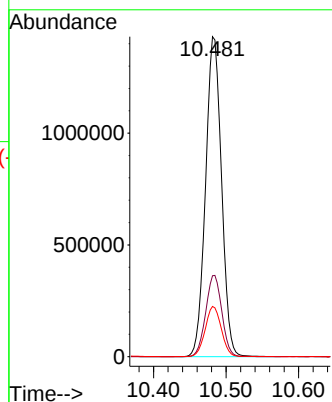
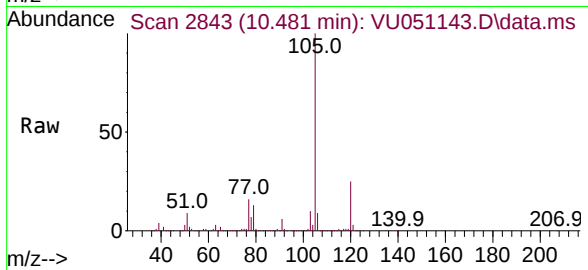
Tgt Ion:105 Resp: 2186696

Ion Ratio Lower Upper

105 100

120 25.7 21.1 31.7

77 16.0 12.8 19.2



#62

1,3,5-Trimethylbenzene

Concen: 6.946 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU051143.D

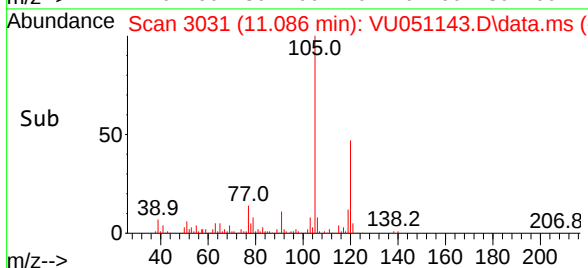
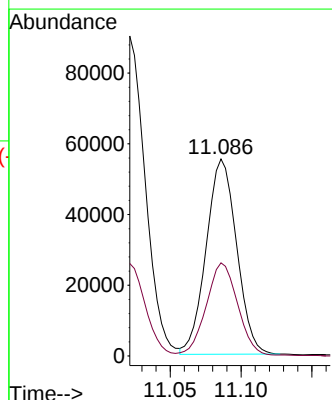
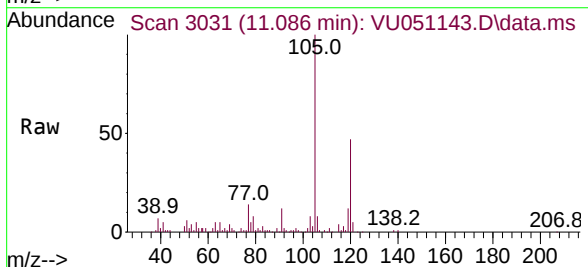
Acq: 05 Oct 2022 22:18

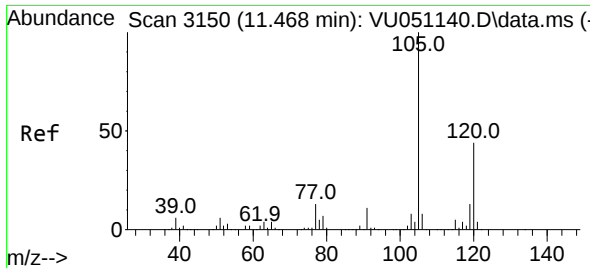
Tgt Ion:105 Resp: 82594

Ion Ratio Lower Upper

105 100

120 48.3 37.8 56.8

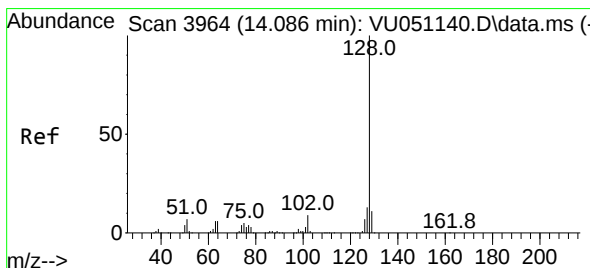
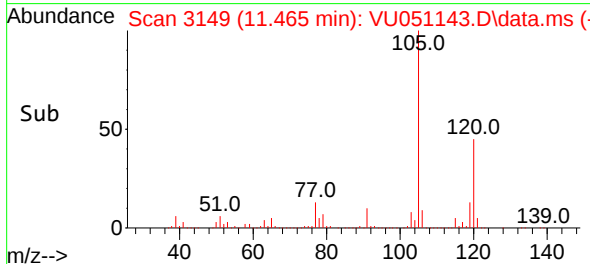
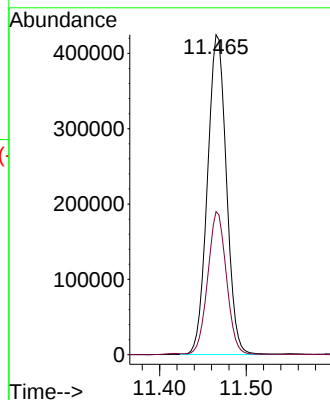
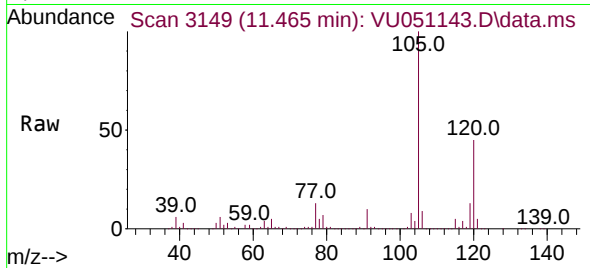




#63
1,2,4-Trimethylbenzene
Concen: 54.231 ug/L
RT: 11.465 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU051143.D
Acq: 05 Oct 2022 22:18

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

Tgt Ion:105 Resp: 646287
Ion Ratio Lower Upper
105 100
120 43.8 35.5 53.3



#71
Naphthalene
Concen: 33.520 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU051143.D
Acq: 05 Oct 2022 22:18

Tgt Ion:128 Resp: 498999
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 11.1 8.6 13.0

