

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050863.D
 Acq On : 21 Sep 2022 04:12
 Operator : JC/MD
 Sample : N4650-14 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ09

Quant Time: Sep 21 04:43:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 04:30:12 2022
 Response via : Initial Calibration

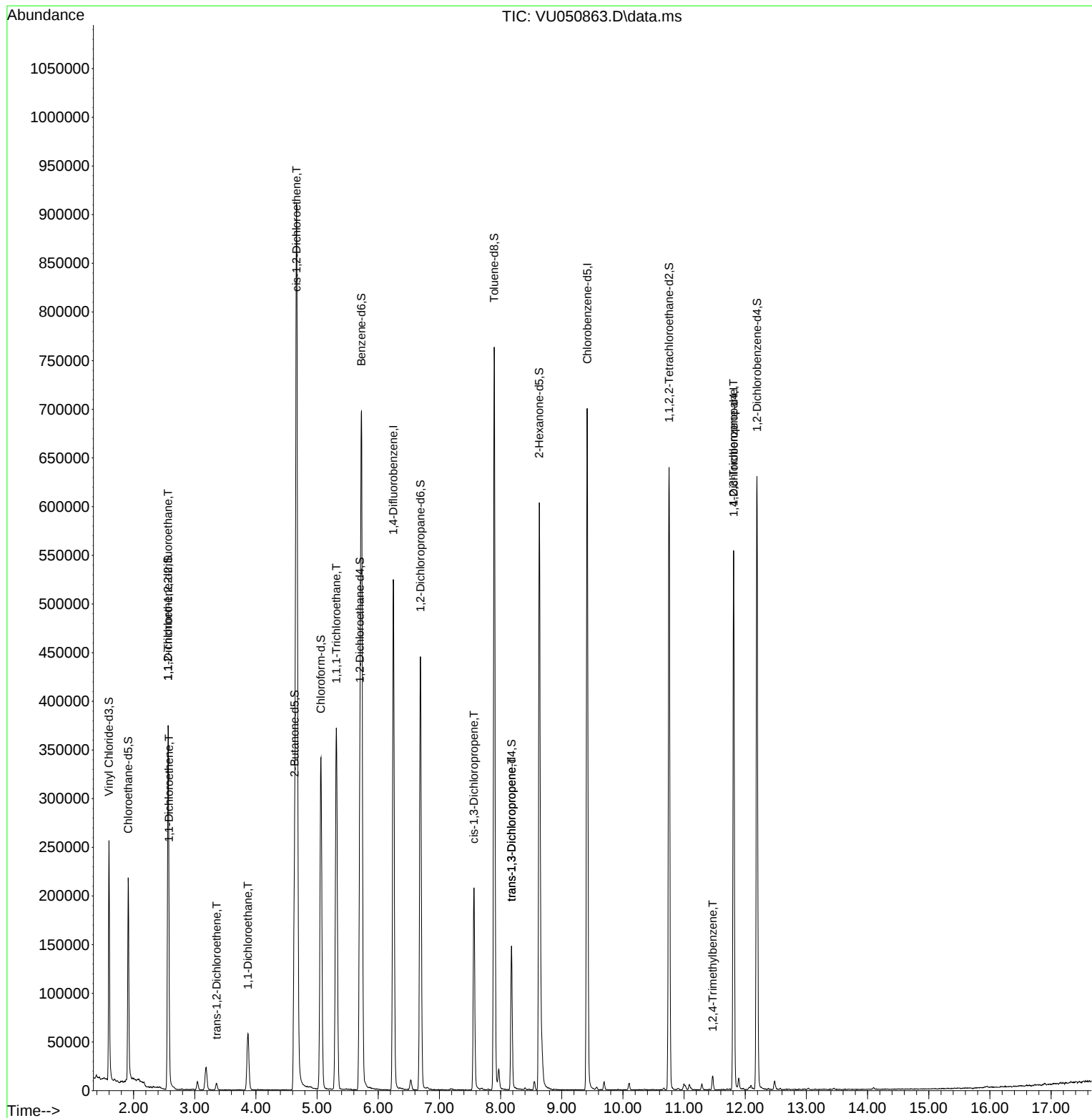
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	417914	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	393141	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	145048	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	184100	42.519	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	85.040%	
7) Chloroethane-d5	1.912	69	150942	48.948	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	97.900%	
11) 1,1-Dichloroethene-d2	2.565	63	222974	33.095	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	66.200%	
21) 2-Butanone-d5	4.632	46	340936	121.965	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	121.970%	
24) Chloroform-d	5.063	84	320802	47.278	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	94.560%	
26) 1,2-Dichloroethane-d4	5.700	65	209098	50.003	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	100.000%	
32) Benzene-d6	5.726	84	640605	49.470	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	98.940%	
36) 1,2-Dichloropropane-d6	6.690	67	225284	51.541	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	103.080%	
41) Toluene-d8	7.896	98	505578	44.665	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	89.340%	
43) trans-1,3-Dichloroprop...	8.179	79	83540	43.934	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	87.860%	
47) 2-Hexanone-d5	8.632	63	198560	110.233	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	110.230%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	329930	49.509	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	99.020%	
66) 1,2-Dichlorobenzene-d4	12.192	152	163780	53.929	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	107.860%	
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	2130	0.623	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	4527	1.409	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	3192	0.969	ug/L	92
19) 1,1-Dichloroethane	3.870	63	68061	10.229	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	438470	120.089	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	269067	51.444	ug/L	99
39) cis-1,3-Dichloropropene	7.565	75	4985	0.941	ug/L #	53
44) trans-1,3-Dichloropropene	8.179	75	3365	0.668	ug/L #	82
60) 1,2,3-Trichloropropane	11.809	75	17867	4.379	ug/L #	70
63) 1,2,4-Trimethylbenzene	11.468	105	7985	0.946	ug/L	94

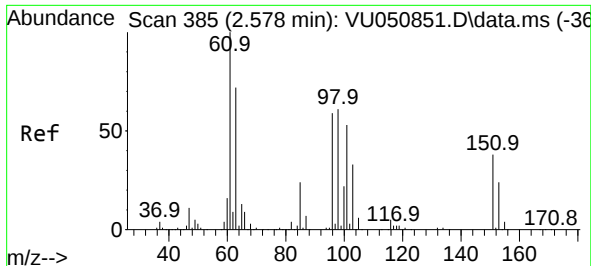
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.623 ug/L

RT: 2.565 min Scan# 3

Delta R.T. -0.013 min

Lab File: VU050863.D

Acq: 21 Sep 2022 04:12

Instrument :

MSVOA_U

ClientSampleId :

EXZ09

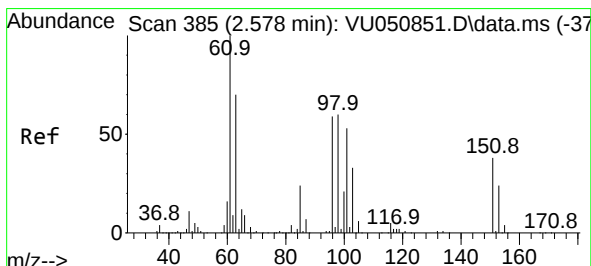
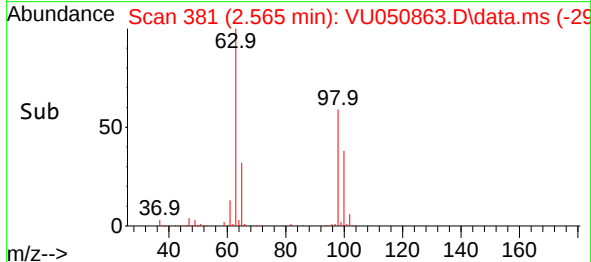
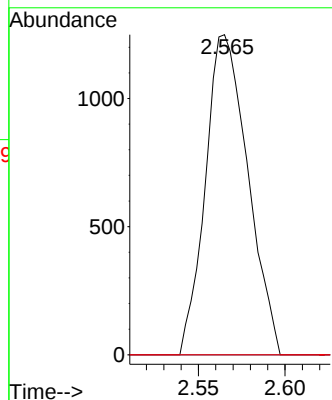
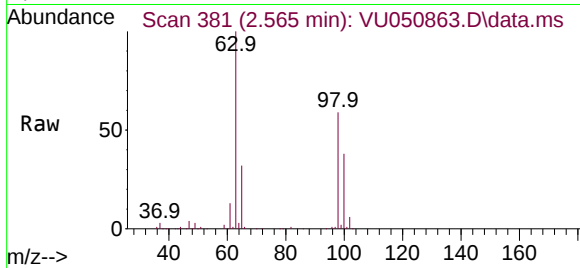
Tgt Ion:101 Resp: 2130

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.6 84.8#



#12

1,1-Dichloroethene

Concen: 1.409 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU050863.D

Acq: 21 Sep 2022 04:12

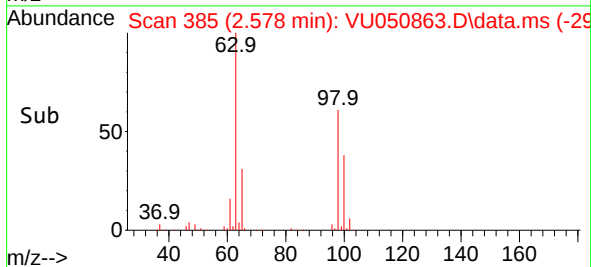
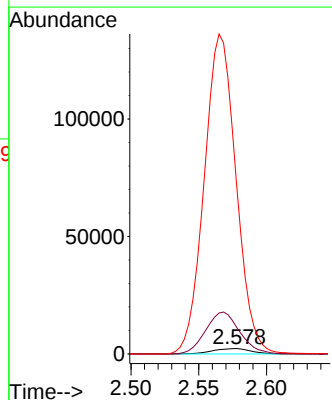
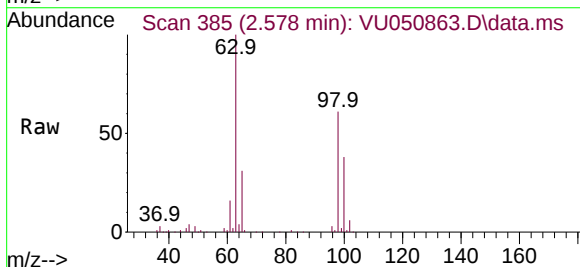
Tgt Ion: 96 Resp: 4527

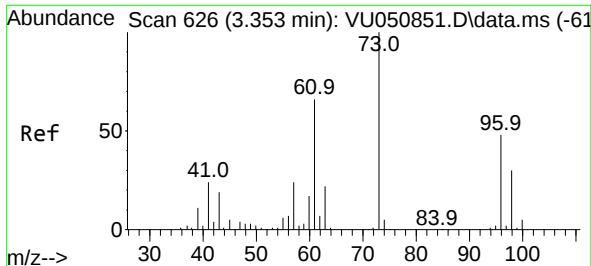
Ion Ratio Lower Upper

96 100

61 488.7 118.6 220.2#

63 3098.2 90.4 168.0#

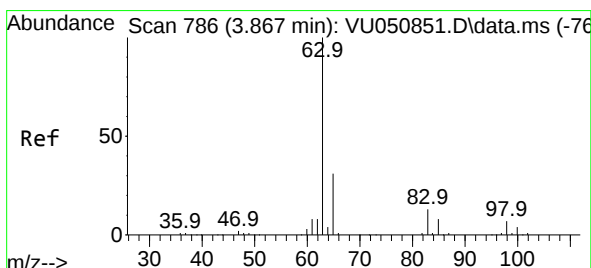
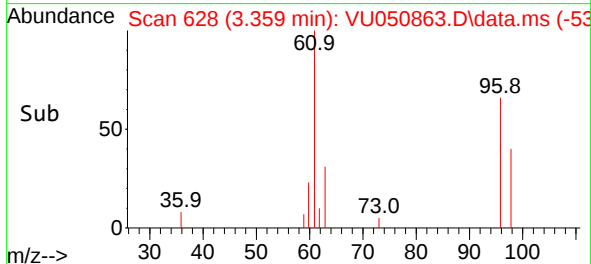
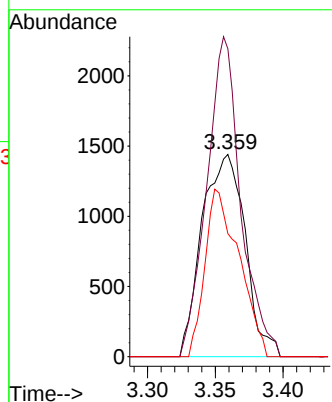
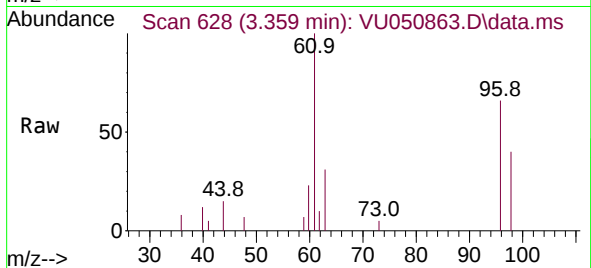




#17
trans-1,2-Dichloroethene
Concen: 0.969 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU050863.D
Acq: 21 Sep 2022 04:12

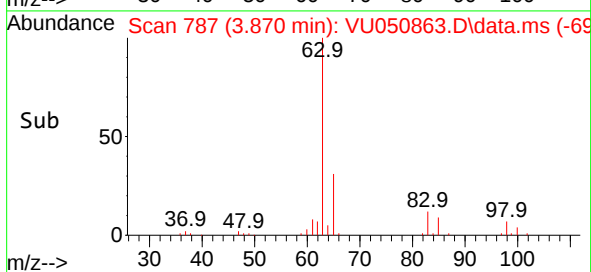
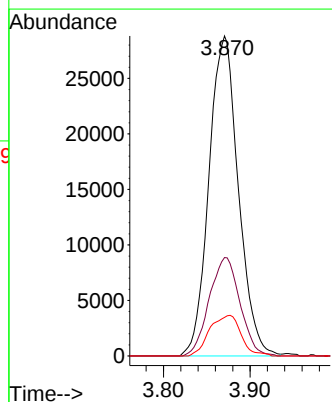
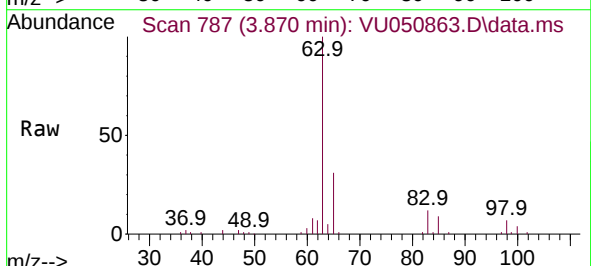
Instrument :
MSVOA_U
ClientSampleId :
EXZ09

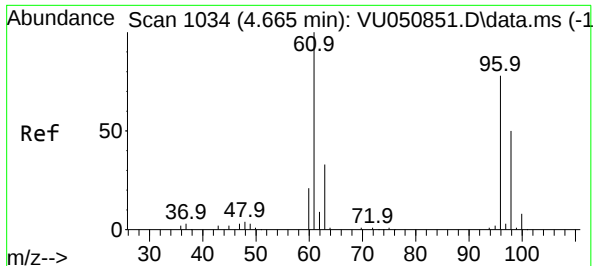
Tgt Ion: 96 Resp: 3192
Ion Ratio Lower Upper
96 100
61 152.2 98.0 182.0
98 60.9 44.3 82.3



#19
1,1-Dichloroethane
Concen: 10.229 ug/L
RT: 3.870 min Scan# 787
Delta R.T. 0.003 min
Lab File: VU050863.D
Acq: 21 Sep 2022 04:12

Tgt Ion: 63 Resp: 68061
Ion Ratio Lower Upper
63 100
65 30.7 21.5 39.9
83 12.0 9.3 17.3

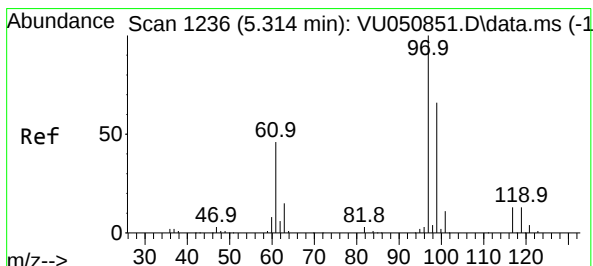
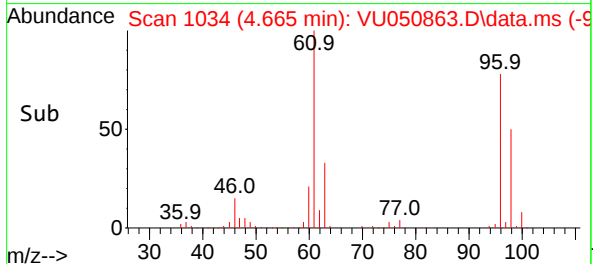
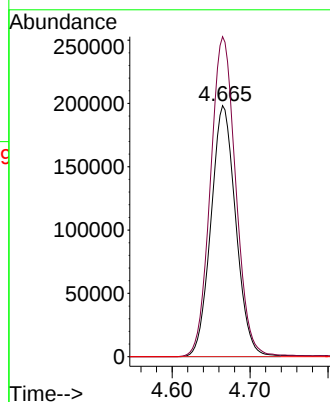
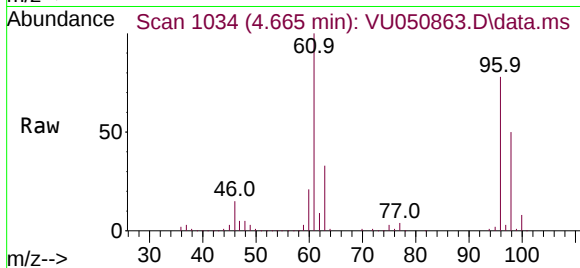




#20
 cis-1,2-Dichloroethene
 Concen: 120.089 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU050863.D
 Acq: 21 Sep 2022 04:12

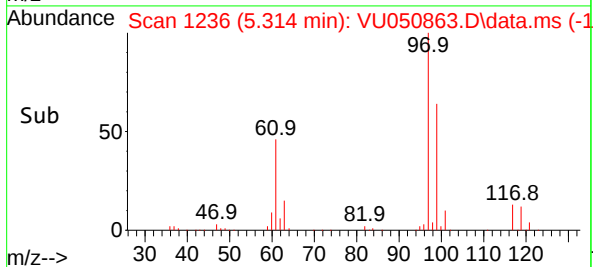
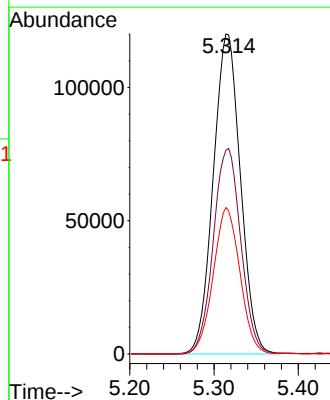
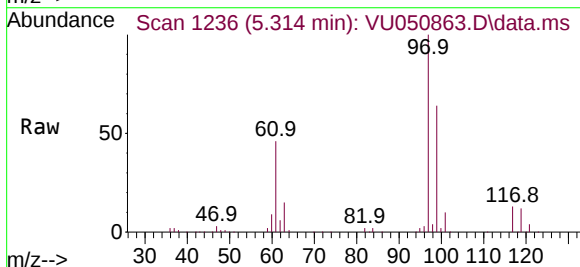
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ09

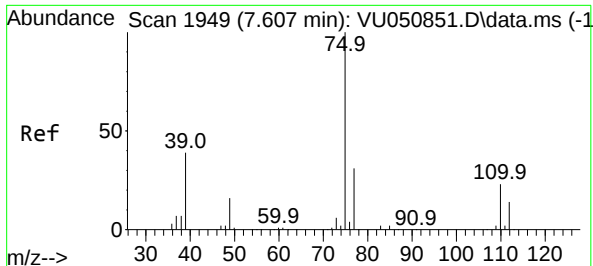
Tgt Ion: 96 Resp: 438470
 Ion Ratio Lower Upper
 96 100
 61 127.5 90.1 167.3
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 51.444 ug/L
 RT: 5.314 min Scan# 1236
 Delta R.T. -0.000 min
 Lab File: VU050863.D
 Acq: 21 Sep 2022 04:12

Tgt Ion: 97 Resp: 269067
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.2 78.2
 61 45.1 37.1 55.7





#39

cis-1,3-Dichloropropene

Concen: 0.941 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU050863.D

Acq: 21 Sep 2022 04:12

Instrument :

MSVOA_U

ClientSampleId :

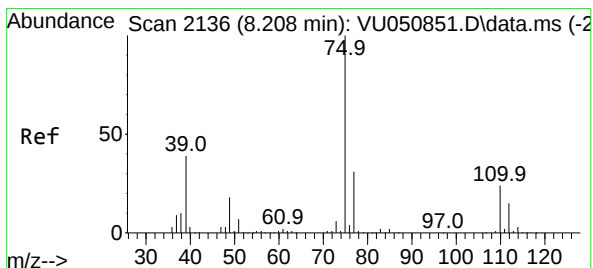
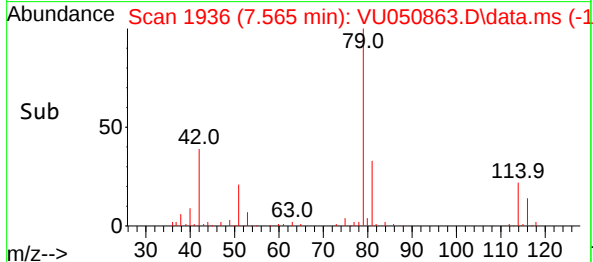
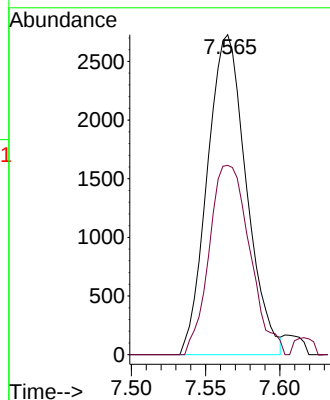
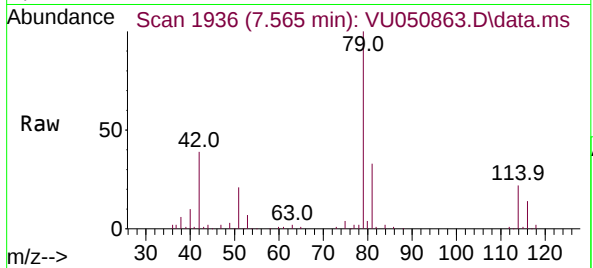
EXZ09

Tgt Ion: 75 Resp: 4985

Ion Ratio Lower Upper

75 100

77 59.1 22.8 42.4#



#44

trans-1,3-Dichloropropene

Concen: 0.668 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.029 min

Lab File: VU050863.D

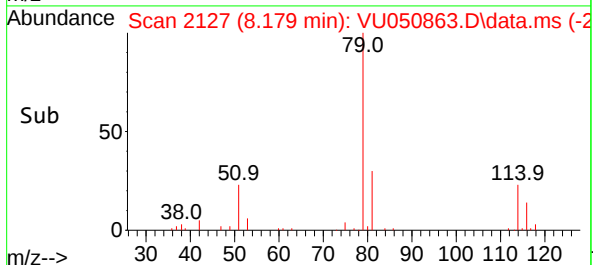
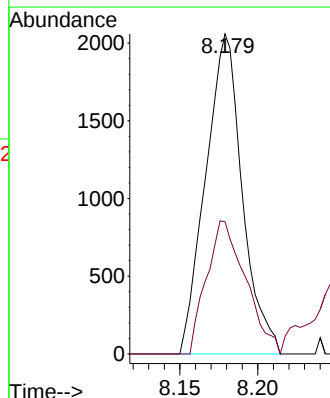
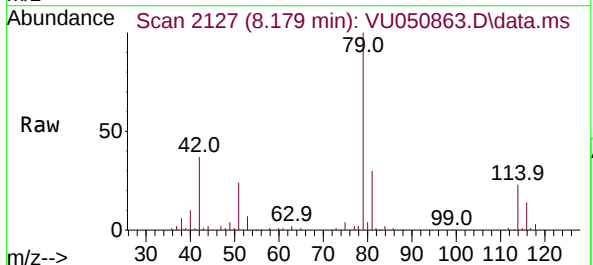
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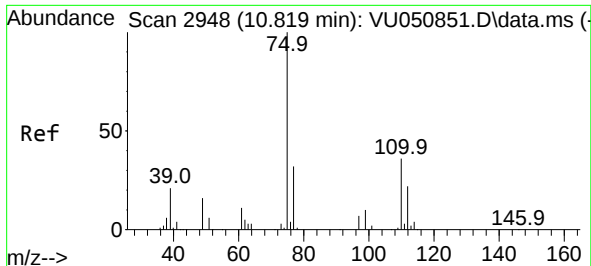
Tgt Ion: 75 Resp: 3365

Ion Ratio Lower Upper

75 100

77 41.3 21.9 40.7#

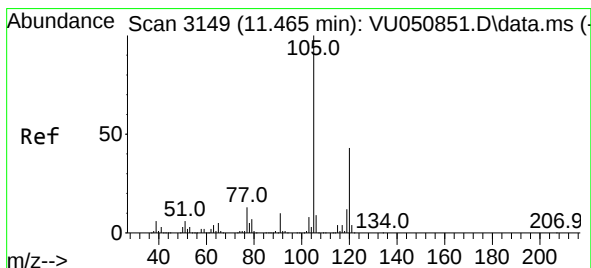
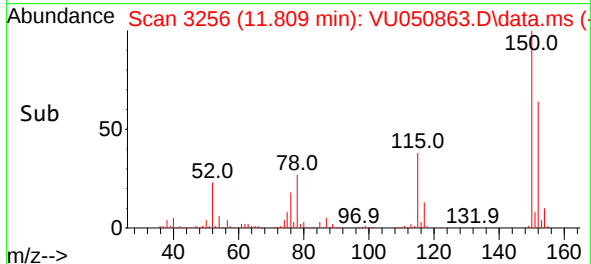
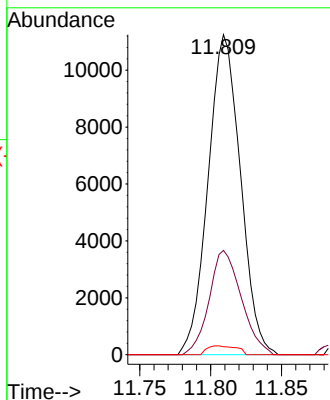
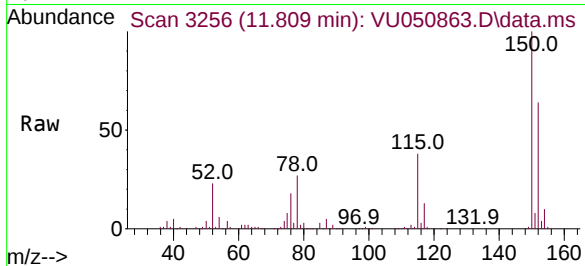




#60
1,2,3-Trichloropropane
Concen: 4.379 ug/L
RT: 11.809 min Scan# 3150
Delta R.T. 0.990 min
Lab File: VU050863.D
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MSVOA_U
ClientSampleId :
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Tgt Ion: 75 Resp: 17867
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.4
110 2.5 28.6 43.0#



#63
1,2,4-Trimethylbenzene
Concen: 0.946 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU050863.D
Acq: 21 Sep 2022 04:12

Tgt Ion: 105 Resp: 7985
Ion Ratio Lower Upper
105 100
120 39.6 34.9 52.3

