

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050853.D
 Acq On : 21 Sep 2022 00:17
 Operator : JC/MD
 Sample : N4650-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ02

Quant Time: Sep 21 04:41:32 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)

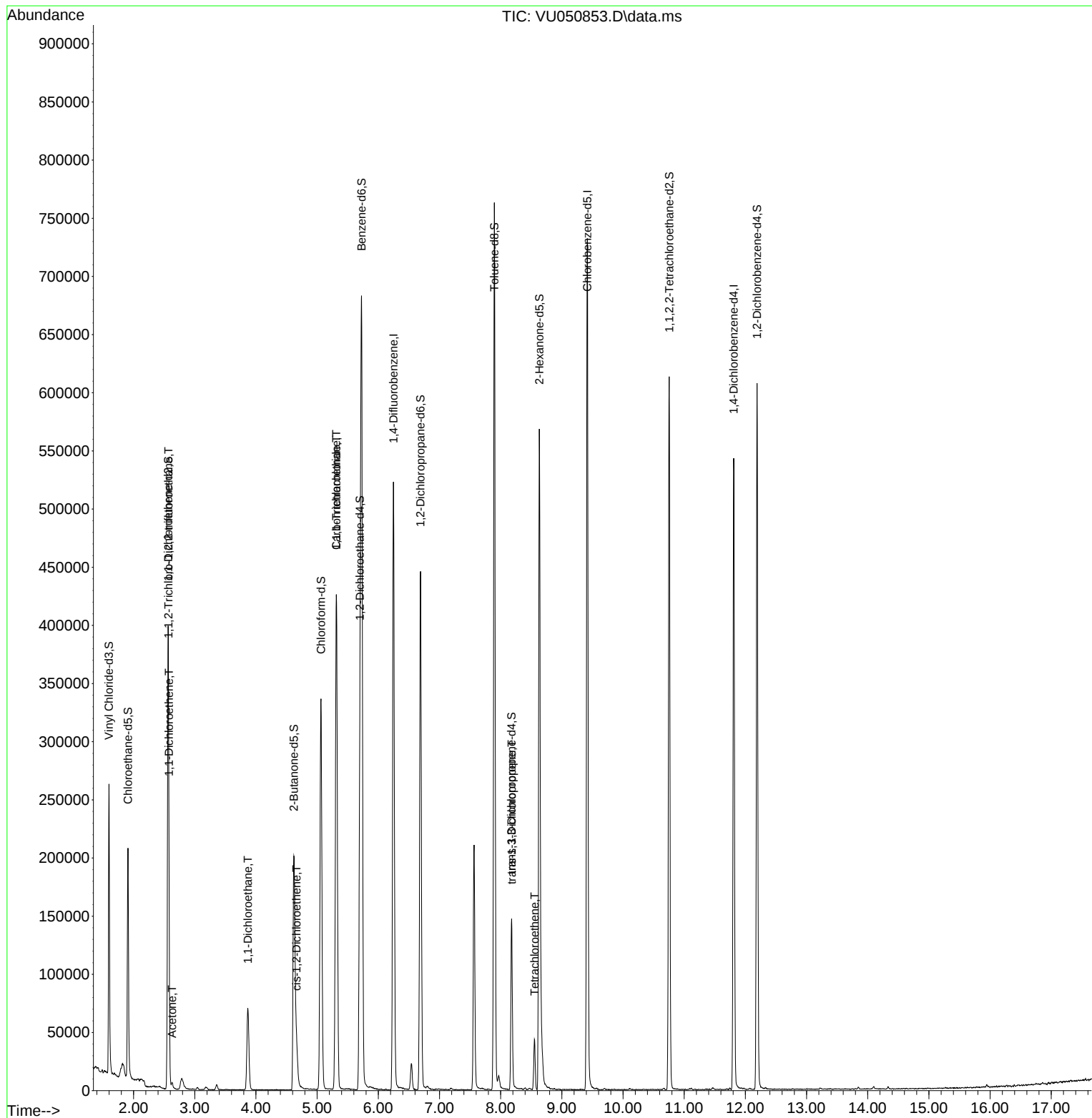
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	419975	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	410553	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	144354	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	186218	42.797	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	85.600%	
7) Chloroethane-d5	1.909	69	150065	48.425	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	96.860%	
11) 1,1-Dichloroethene-d2	2.565	63	229955	33.964	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	67.920%	
21) 2-Butanone-d5	4.620	46	299006	106.440	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	106.440%	
24) Chloroform-d	5.064	84	318046	46.642	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.280%	
26) 1,2-Dichloroethane-d4	5.700	65	204143	48.578	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	97.160%	
32) Benzene-d6	5.726	84	633913	46.877	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.760%	
36) 1,2-Dichloropropane-d6	6.690	67	219842	48.163	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	96.320%	
41) Toluene-d8	7.896	98	503641	42.607	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	85.220%	
43) trans-1,3-Dichloroprop...	8.179	79	84498	42.553	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	85.100%	
47) 2-Hexanone-d5	8.633	63	177006	94.100	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	94.100%	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	316172	45.433	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	90.860%	
66) 1,2-Dichlorobenzene-d4	12.192	152	155831	51.559	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	103.120%	
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	2320	0.675	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	11007	3.409	ug/L #	1
13) Acetone	2.630	43	6171	2.594	ug/L	99
19) 1,1-Dichloroethane	3.867	63	81200	12.144	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	11697	3.188	ug/L	92
30) 1,1,1-Trichloroethane	5.314	97	310014	56.759	ug/L	99
31) Carbon tetrachloride	5.314	117	39246	8.649	ug/L	95
44) trans-1,3-Dichloropropene	8.182	75	3712	0.705	ug/L	87
46) Tetrachloroethene	8.555	164	9605	3.808	ug/L	96

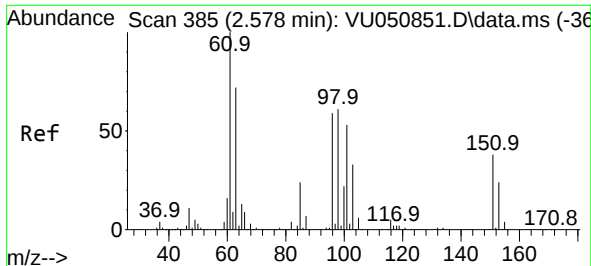
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 21 04:30:12 2022
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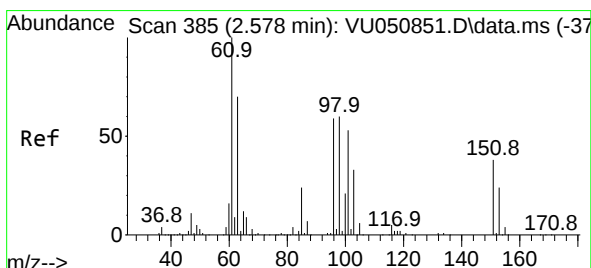
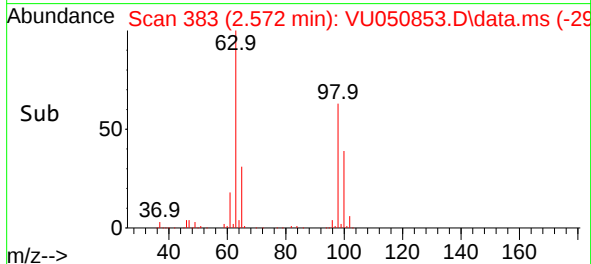
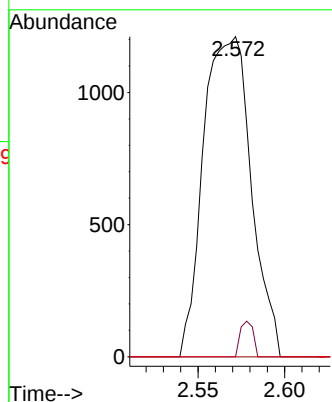
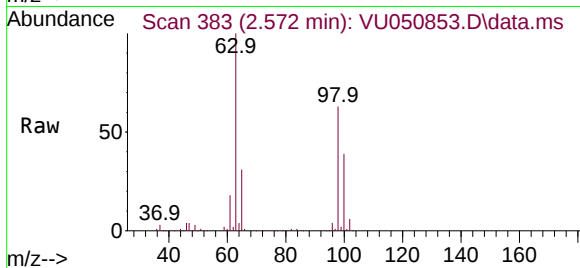




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.675 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.006 min
 Lab File: VU050853.D
 Acq: 21 Sep 2022 00:17

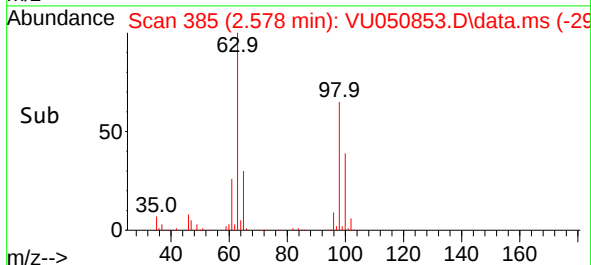
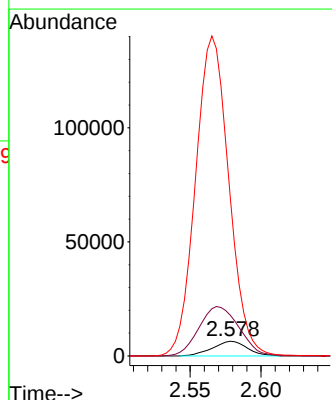
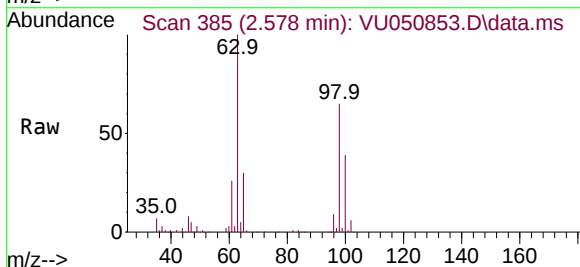
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ02

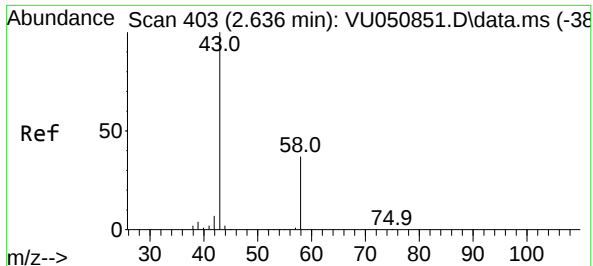
Tgt Ion:101 Resp: 2320
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.6 84.8#



#12
 1,1-Dichloroethene
 Concen: 3.409 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050853.D
 Acq: 21 Sep 2022 00:17

Tgt Ion: 96 Resp: 11007
 Ion Ratio Lower Upper
 96 100
 61 278.0 118.6 220.2#
 63 1087.3 90.4 168.0#





#13

Acetone

Concen: 2.594 ug/L

RT: 2.630 min Scan# 401

Delta R.T. -0.006 min

Lab File: VU050853.D

Acq: 21 Sep 2022 00:17

Instrument :

MSVOA_U

ClientSampleId :

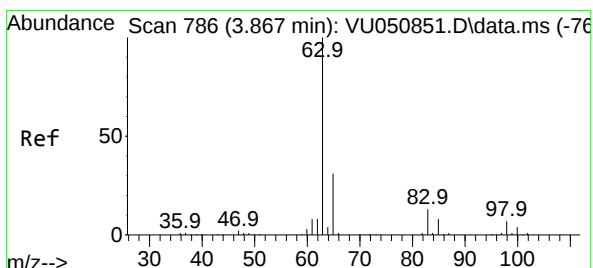
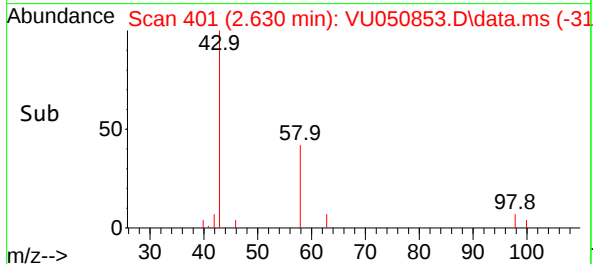
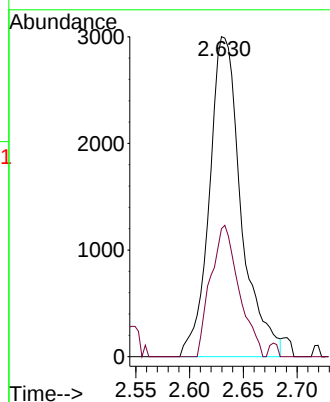
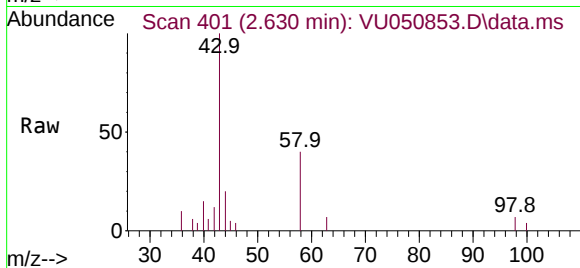
EXZ02

Tgt Ion: 43 Resp: 6171

Ion Ratio Lower Upper

43 100

58 36.4 0.0 71.4



#19

1,1-Dichloroethane

Concen: 12.144 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050853.D

Acq: 21 Sep 2022 00:17

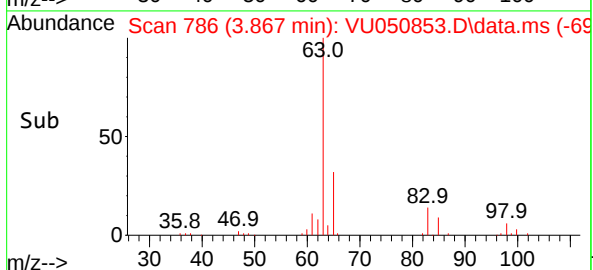
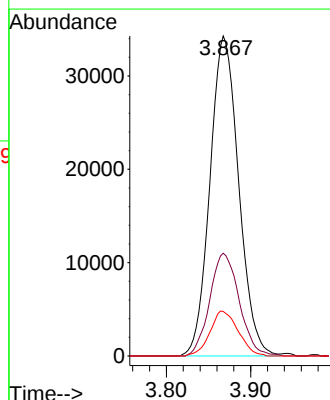
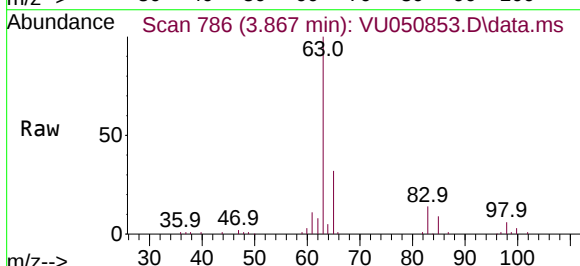
Tgt Ion: 63 Resp: 81200

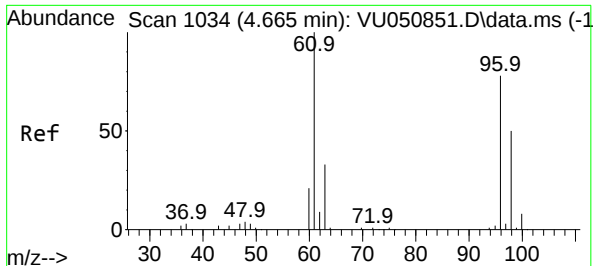
Ion Ratio Lower Upper

63 100

65 32.7 21.5 39.9

83 13.9 9.3 17.3





#20

cis-1,2-Dichloroethene

Concen: 3.188 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050853.D

Acq: 21 Sep 2022 00:17

Instrument :

MSVOA_U

ClientSampleId :

EXZ02

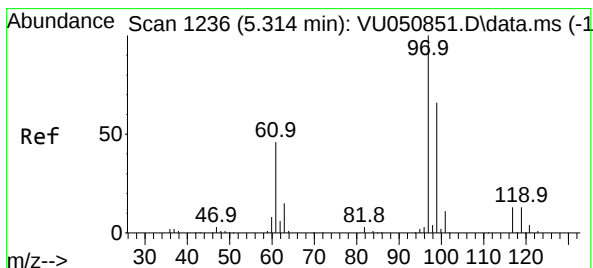
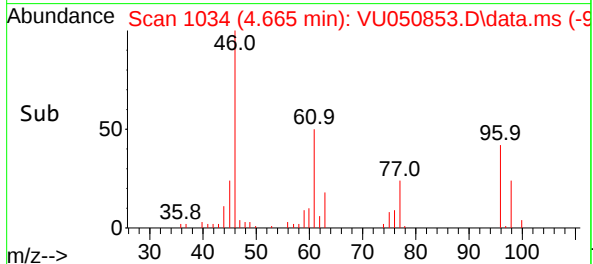
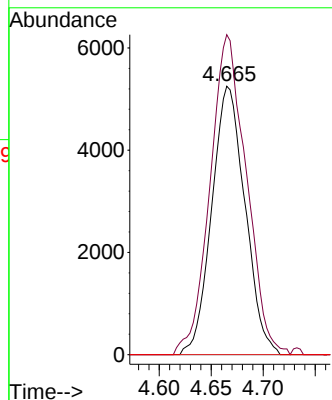
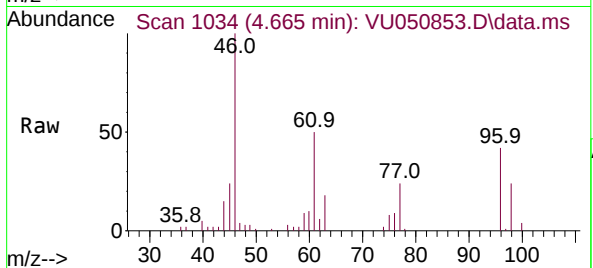
Tgt Ion: 96 Resp: 11697

Ion Ratio Lower Upper

96 100

61 119.2 90.1 167.3

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 56.759 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050853.D

Acq: 21 Sep 2022 00:17

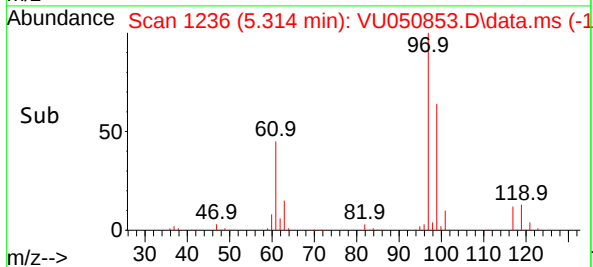
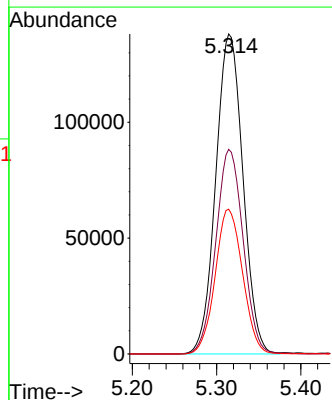
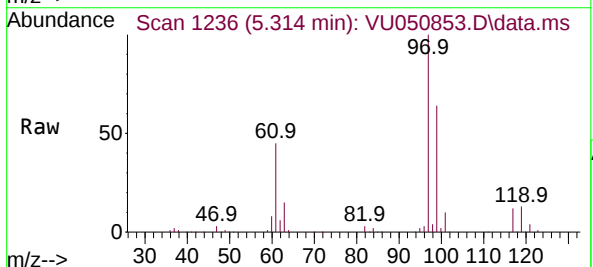
Tgt Ion: 97 Resp: 310014

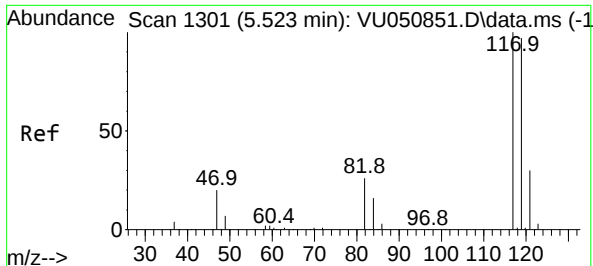
Ion Ratio Lower Upper

97 100

99 64.3 52.2 78.2

61 45.6 37.1 55.7

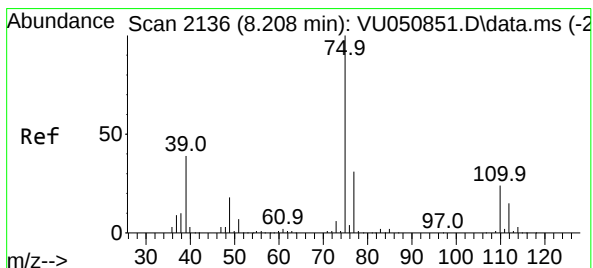
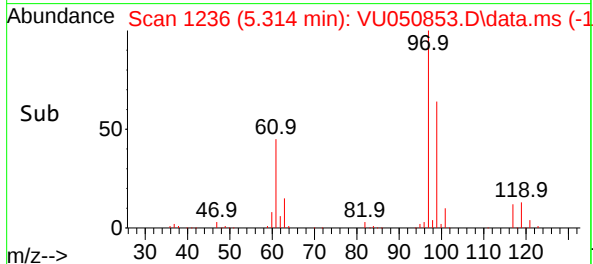
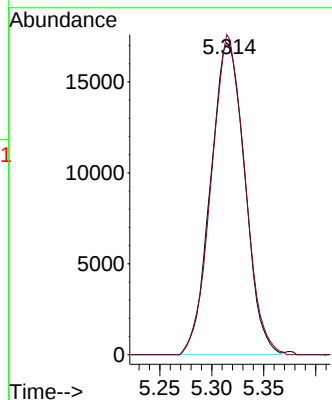
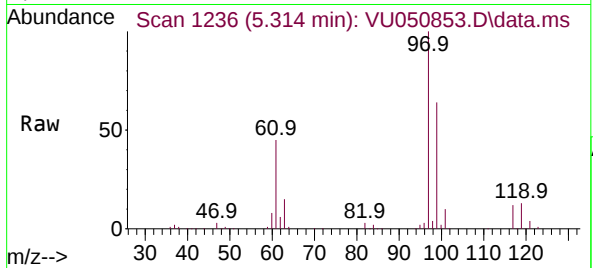




#31
Carbon tetrachloride
Concen: 8.649 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU050853.D
Acq: 21 Sep 2022 00:17

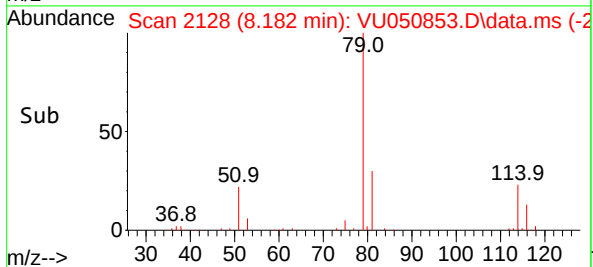
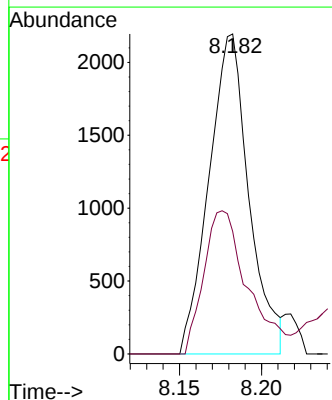
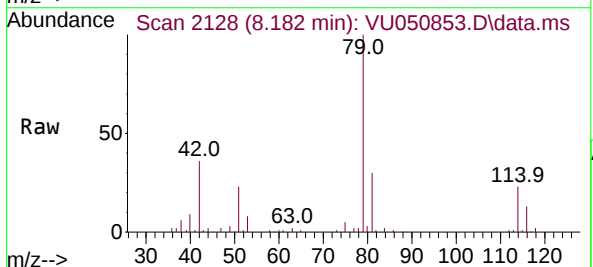
Instrument :
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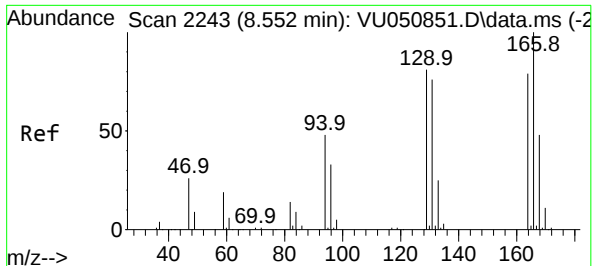
Tgt Ion:117 Resp: 39246
Ion Ratio Lower Upper
117 100
119 100.3 76.0 114.0



#44
trans-1,3-Dichloropropene
Concen: 0.705 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.026 min
Lab File: VU050853.D
Acq: 21 Sep 2022 00:17

Tgt Ion: 75 Resp: 3712
Ion Ratio Lower Upper
75 100
77 38.3 21.9 40.7





#46
 Tetrachloroethene
 Concen: 3.808 ug/L
 RT: 8.555 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU050853.D
 Acq: 21 Sep 2022 00:17

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ02

Tgt Ion:	164	Resp:	9605
Ion	Ratio	Lower	Upper
164	100		
129	107.3	68.5	127.3
131	93.7	66.1	122.7
166	129.5	88.8	164.8

