

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050857.D
 Acq On : 21 Sep 2022 01:51
 Operator : JC/MD
 Sample : N4650-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ11

Quant Time: Sep 21 04:42:26 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)

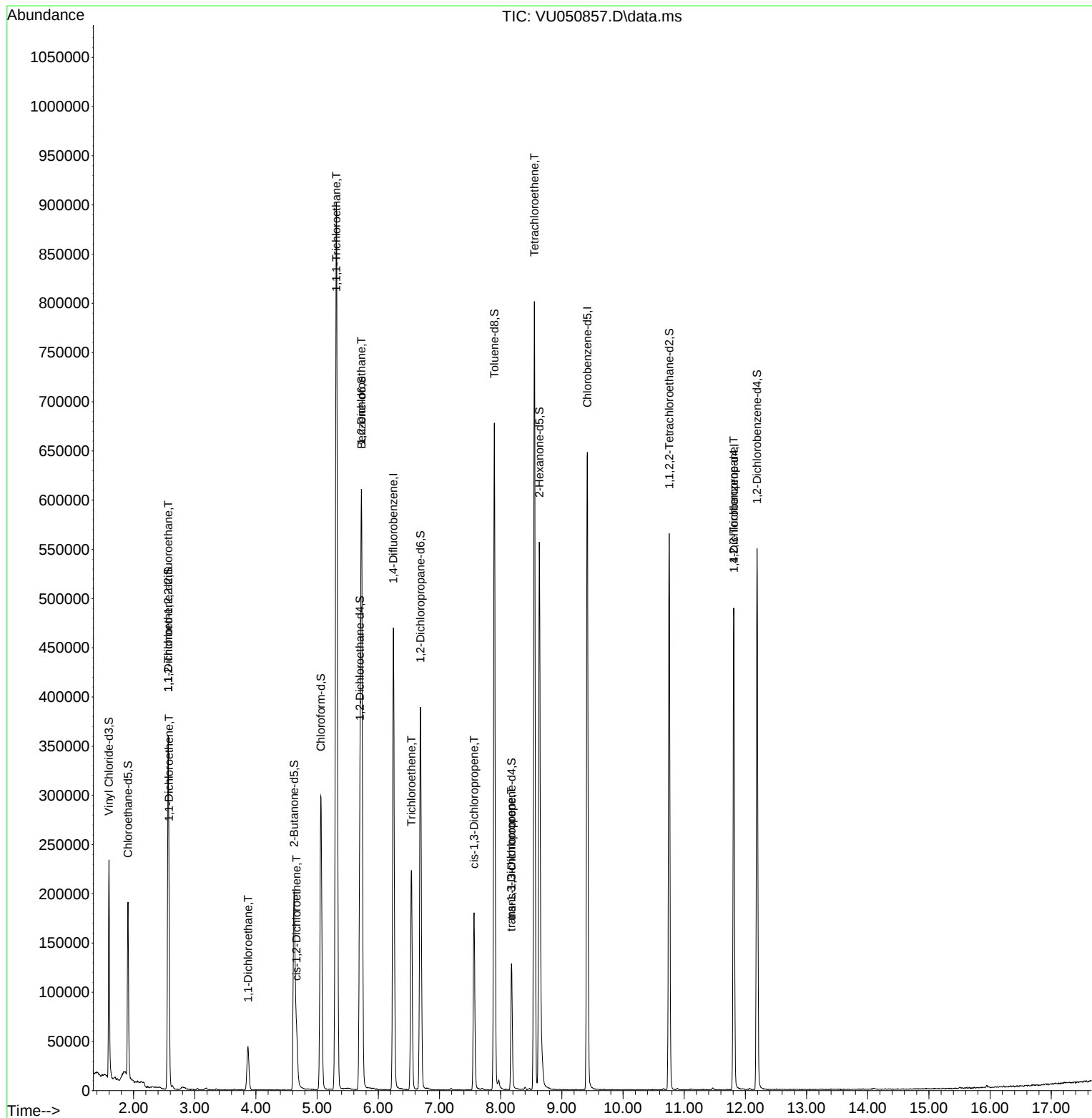
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	366087	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	357147	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	126633	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	165465	43.625	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.240%		
7) Chloroethane-d5	1.909	69	131219	48.577	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.160%		
11) 1,1-Dichloroethene-d2	2.565	63	208836	35.385	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.760%		
21) 2-Butanone-d5	4.623	46	299254	122.210	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	122.210%		
24) Chloroform-d	5.060	84	280584	47.205	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.400%		
26) 1,2-Dichloroethane-d4	5.700	65	179038	48.876	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.760%		
32) Benzene-d6	5.726	84	561349	47.719	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.440%		
36) 1,2-Dichloropropane-d6	6.690	67	194113	48.885	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.780%		
41) Toluene-d8	7.896	98	444608	43.238	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.480%		
43) trans-1,3-Dichloroprop...	8.179	79	72262	41.833	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.660%		
47) 2-Hexanone-d5	8.633	63	174603	106.702	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.700%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	289852	47.879	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.760%		
66) 1,2-Dichlorobenzene-d4	12.192	152	143263	54.033	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.060%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	2128	0.710	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	17665	6.277	ug/L #	1
19) 1,1-Dichloroethane	3.871	63	51677	8.866	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	20296	6.346	ug/L	99
27) 1,2-Dichloroethane	5.723	62	3276	0.742	ug/L	96
30) 1,1,1-Trichloroethane	5.314	97	654325	137.712	ug/L	99
34) Trichloroethene	6.543	95	79838	26.150	ug/L	98
39) cis-1,3-Dichloropropene	7.565	75	4395	0.913	ug/L #	60
44) trans-1,3-Dichloropropene	8.173	75	3502	0.765	ug/L	97
46) Tetrachloroethene	8.552	164	173360	79.016	ug/L	97
60) 1,2,3-Trichloropropane	11.809	75	15861	4.453	ug/L #	69

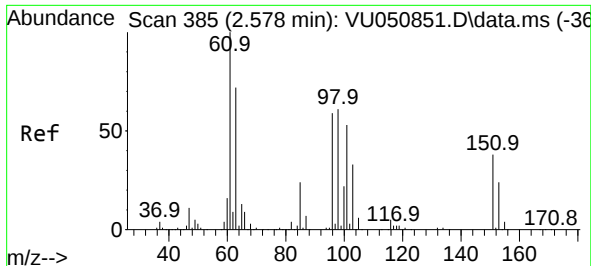
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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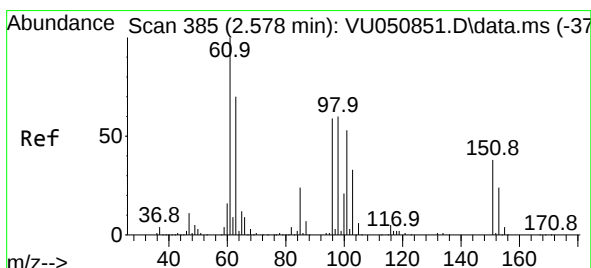
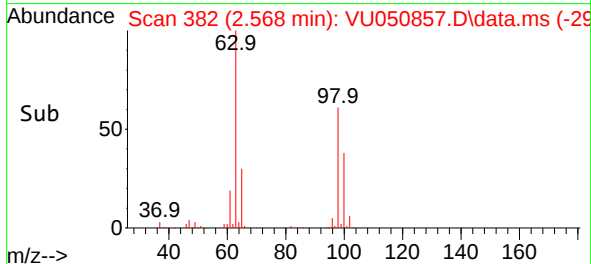
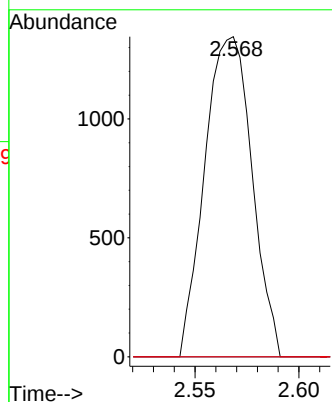
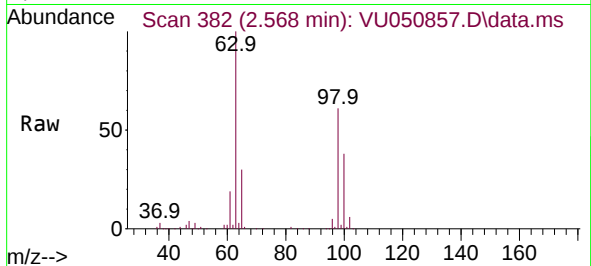




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.710 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.010 min
 Lab File: VU050857.D
 Acq: 21 Sep 2022 01:51

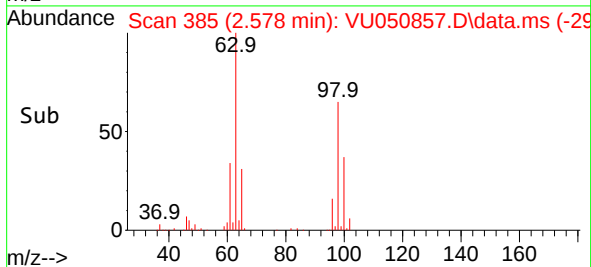
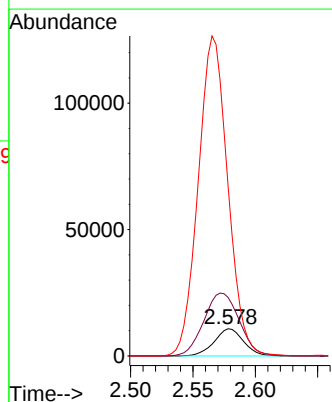
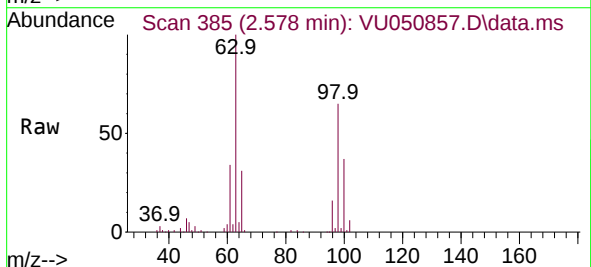
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ11

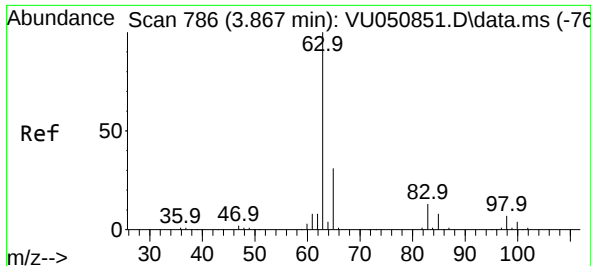
Tgt Ion:101 Resp: 2128
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.6 84.8#



#12
 1,1-Dichloroethene
 Concen: 6.277 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050857.D
 Acq: 21 Sep 2022 01:51

Tgt Ion: 96 Resp: 17665
 Ion Ratio Lower Upper
 96 100
 61 214.8 118.6 220.2
 63 625.4 90.4 168.0#





#19

1,1-Dichloroethane

Concen: 8.866 ug/L

RT: 3.871 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU050857.D

Acq: 21 Sep 2022 01:51

Instrument :

MSVOA_U

ClientSampleId :

EXZ11

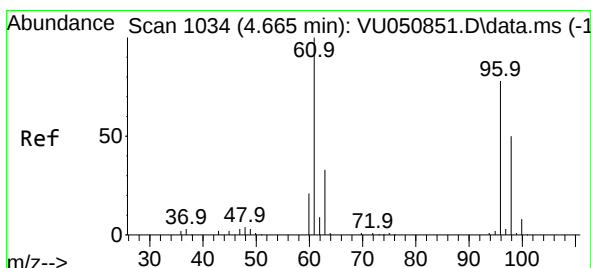
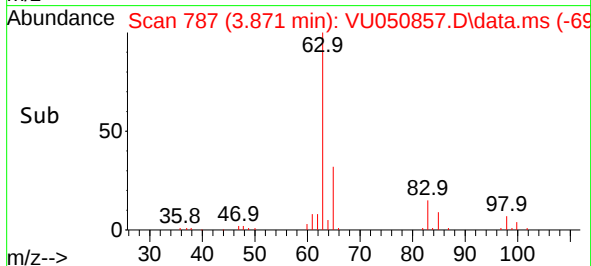
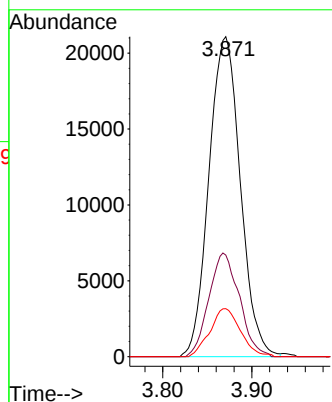
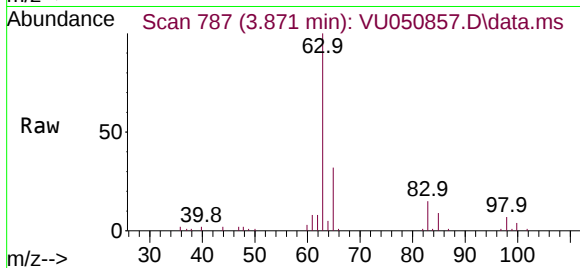
Tgt Ion: 63 Resp: 51677

Ion Ratio Lower Upper

63 100

65 31.8 21.5 39.9

83 15.0 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 6.346 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050857.D

Acq: 21 Sep 2022 01:51

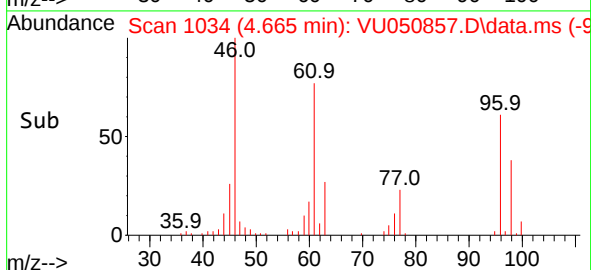
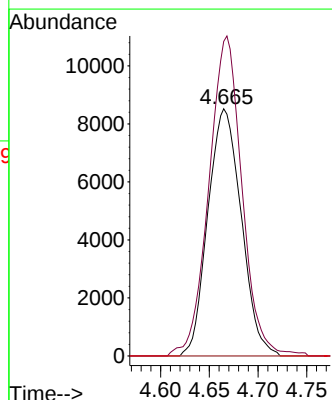
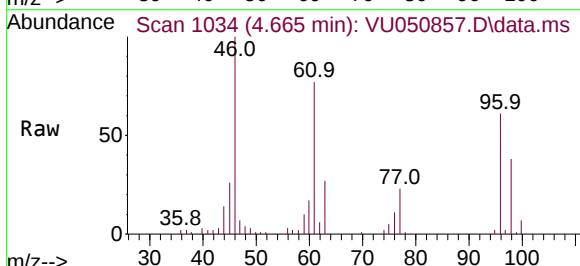
Tgt Ion: 96 Resp: 20296

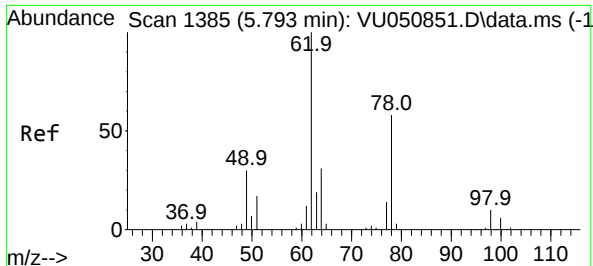
Ion Ratio Lower Upper

96 100

61 127.2 90.1 167.3

68 0.0 0.0 0.0

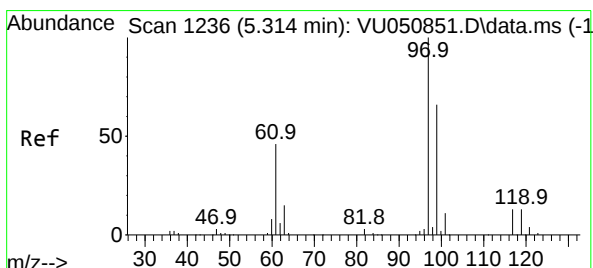
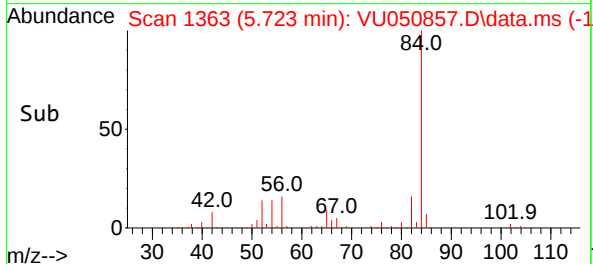
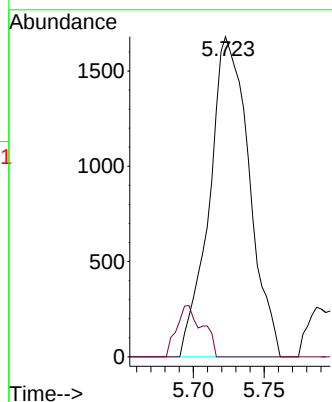
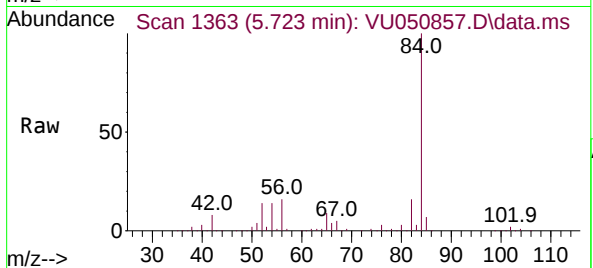




#27
1,2-Dichloroethane
Concen: 0.742 ug/L
RT: 5.723 min Scan# 1363
Delta R.T. -0.071 min
Lab File: VU050857.D
Acq: 21 Sep 2022 01:51

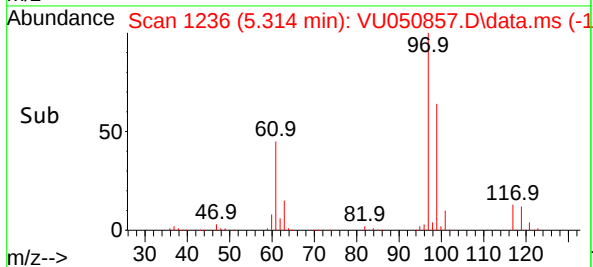
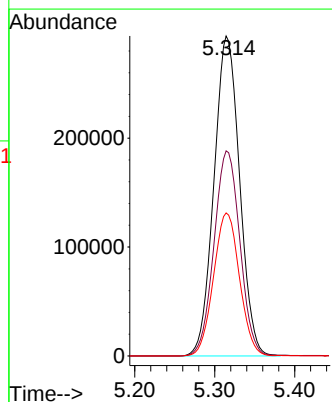
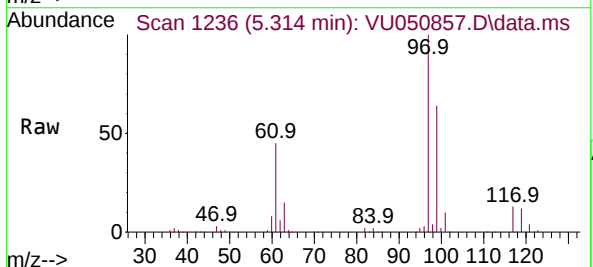
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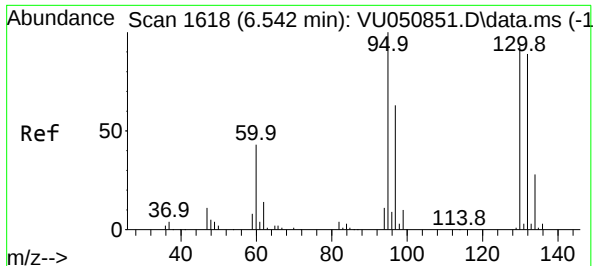
Tgt Ion: 62 Resp: 3276
Ion Ratio Lower Upper
62 100
98 7.7 7.4 11.0



#30
1,1,1-Trichloroethane
Concen: 137.712 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VU050857.D
Acq: 21 Sep 2022 01:51

Tgt Ion: 97 Resp: 654325
Ion Ratio Lower Upper
97 100
99 64.7 52.2 78.2
61 45.2 37.1 55.7

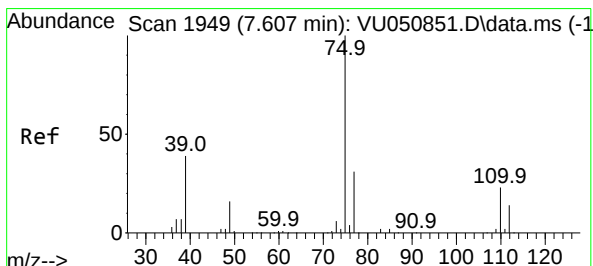
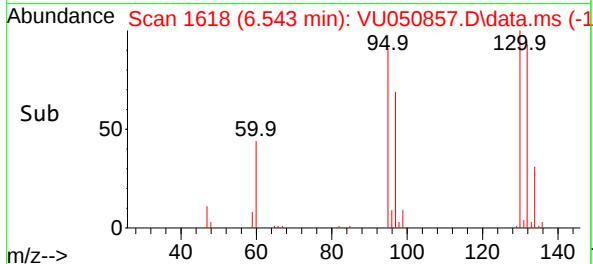
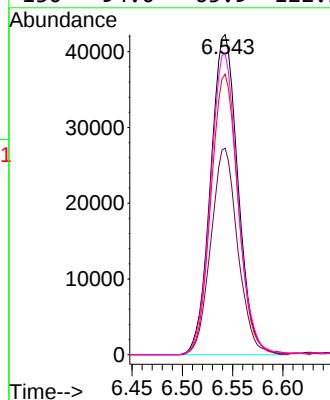
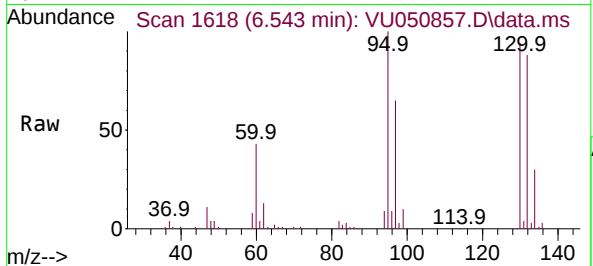




#34
Trichloroethene
Concen: 26.150 ug/L
RT: 6.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU050857.D
Acq: 21 Sep 2022 01:51

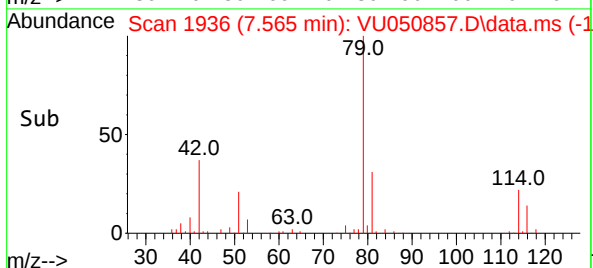
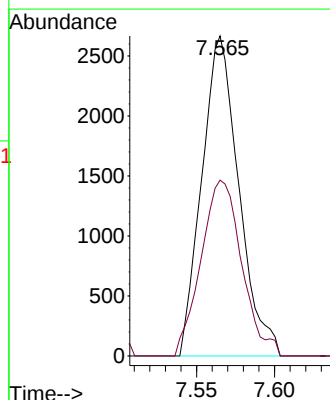
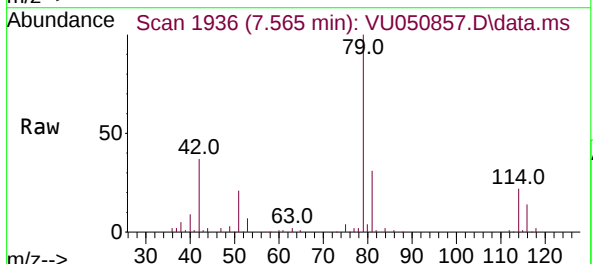
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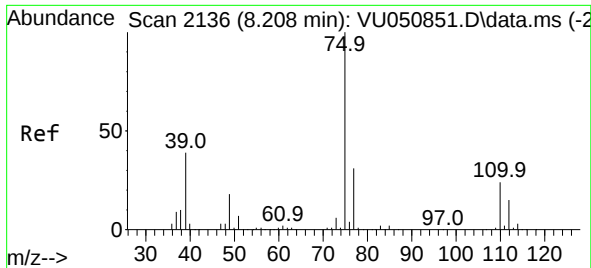
Tgt Ion: 95 Resp: 79838
Ion Ratio Lower Upper
95 100
97 64.5 43.9 81.5
132 87.7 63.1 117.1
130 94.0 65.9 122.3



#39
cis-1,3-Dichloropropene
Concen: 0.913 ug/L
RT: 7.565 min Scan# 1936
Delta R.T. -0.042 min
Lab File: VU050857.D
Acq: 21 Sep 2022 01:51

Tgt Ion: 75 Resp: 4395
Ion Ratio Lower Upper
75 100
77 54.9 22.8 42.4#

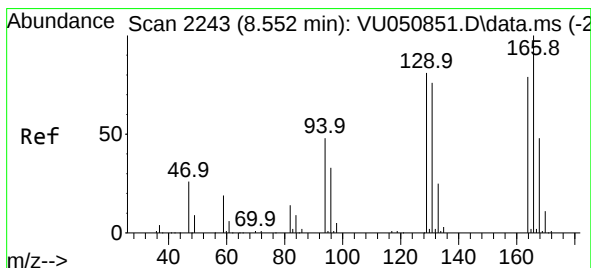
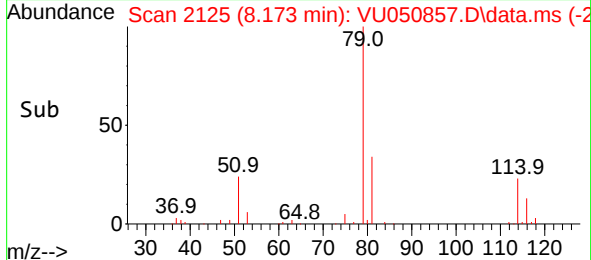
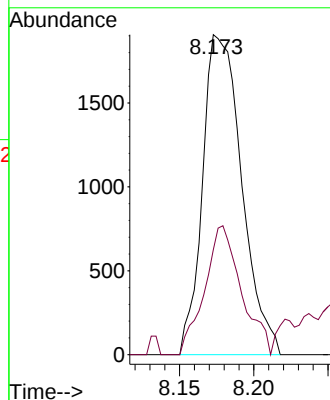
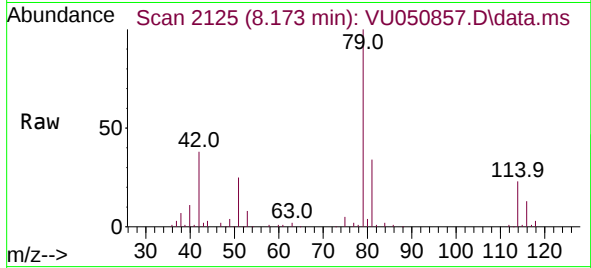




#44
trans-1,3-Dichloropropene
Concen: 0.765 ug/L
RT: 8.173 min Scan# 2136
Delta R.T. -0.035 min
Lab File: VU050857.D
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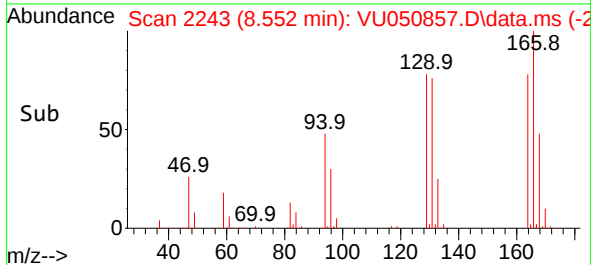
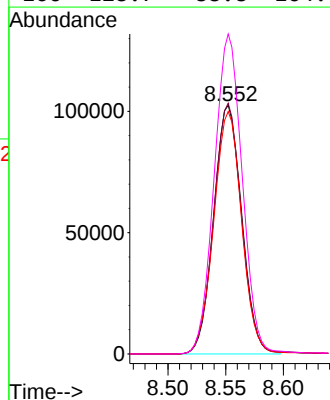
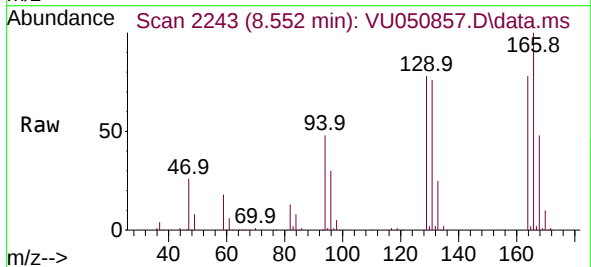
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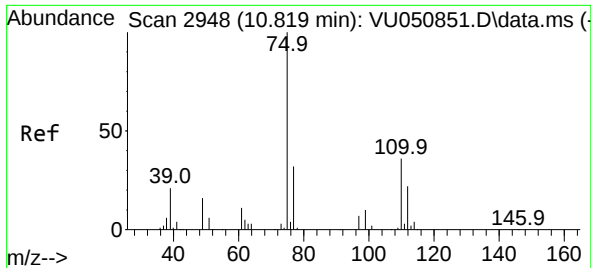
Tgt Ion: 75 Resp: 3502
Ion Ratio Lower Upper
75 100
77 32.8 21.9 40.7



#46
Tetrachloroethene
Concen: 79.016 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050857.D
Acq: 21 Sep 2022 01:51

Tgt Ion: 164 Resp: 173360
Ion Ratio Lower Upper
164 100
129 100.9 68.5 127.3
131 97.5 66.1 122.7
166 128.7 88.8 164.8





#60
 1,2,3-Trichloropropane
 Concen: 4.453 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU050857.D
 Acq: 21 Sep 2022 01:51

Instrument :
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Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.2	39.4
110	2.0	28.6	43.0

