

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050847.D
 Acq On : 20 Sep 2022 21:32
 Operator : JC/MD
 Sample : N4651-09 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ41

Quant Time: Sep 21 02:27:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 02:18:13 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

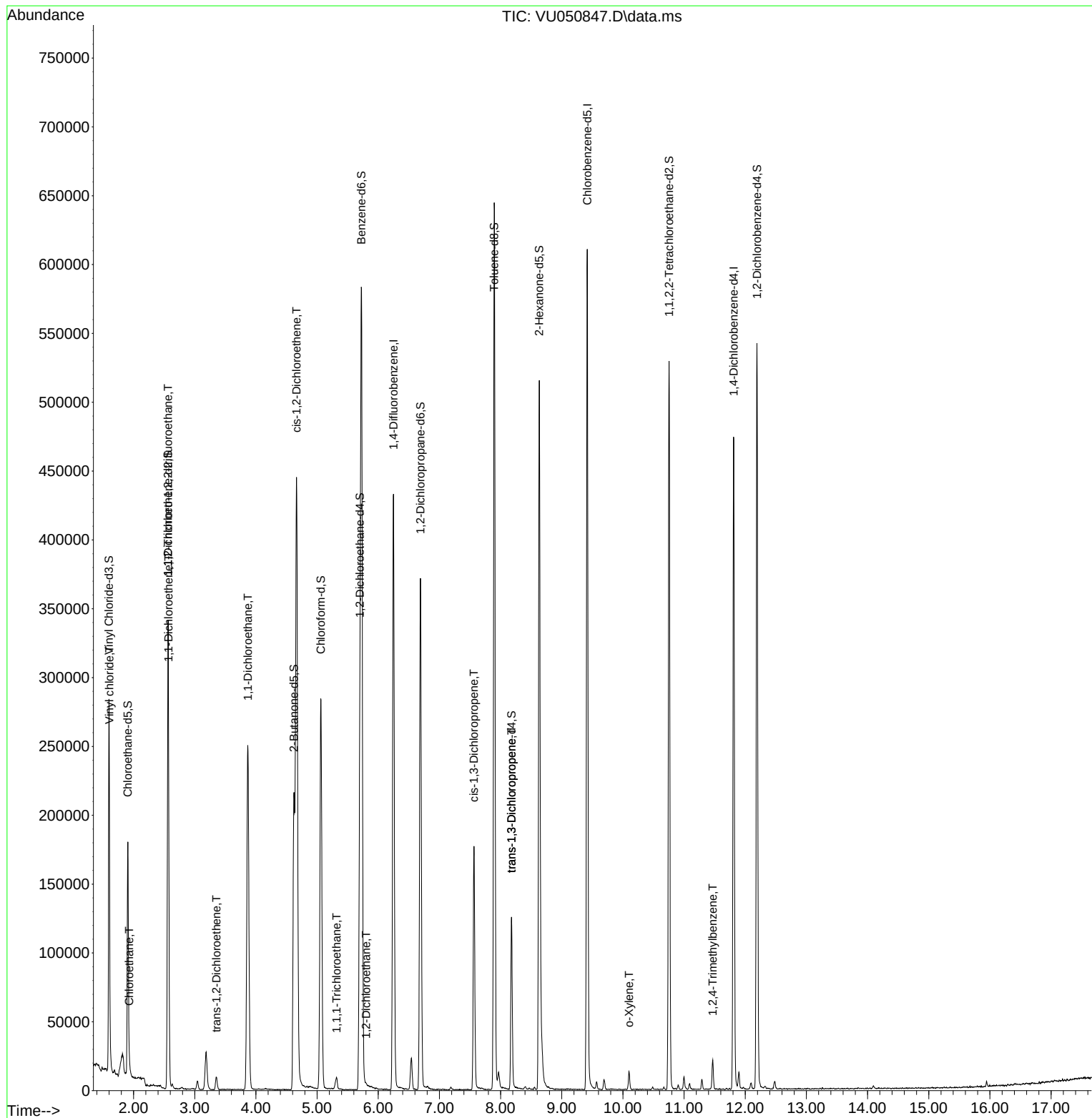
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	345199	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	338271	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	125807	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	162212	45.355	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.720%		
7) Chloroethane-d5	1.906	69	126606	49.705	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.400%		
11) 1,1-Dichloroethene-d2	2.565	63	196964	35.393	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.780%		
21) 2-Butanone-d5	4.620	46	281434	121.887	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	121.890%		
24) Chloroform-d	5.060	84	266812	47.604	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.200%		
26) 1,2-Dichloroethane-d4	5.700	65	174770	50.598	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.200%		
32) Benzene-d6	5.726	84	537304	48.223	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.440%		
36) 1,2-Dichloropropane-d6	6.690	67	186099	49.482	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.960%		
41) Toluene-d8	7.896	98	428761	44.023	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.040%		
43) trans-1,3-Dichloroprop...	8.179	79	69736	42.623	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.240%		
47) 2-Hexanone-d5	8.632	63	162556	104.884	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.880%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	270873	47.241	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.480%		
66) 1,2-Dichlorobenzene-d4	12.192	152	141382	53.674	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.340%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	52473	12.898	ug/L	95
8) Chloroethane	1.928	64	4064	1.804	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1746	0.618	ug/L #	21
12) 1,1-Dichloroethene	2.571	96	3177	1.197	ug/L #	1
17) trans-1,2-Dichloroethene	3.353	96	3991	1.467	ug/L	97
19) 1,1-Dichloroethane	3.867	63	290778	52.906	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	224387	74.401	ug/L	98
27) 1,2-Dichloroethane	5.803	62	2035	0.489	ug/L #	93
30) 1,1,1-Trichloroethane	5.317	97	6087	1.353	ug/L	97
39) cis-1,3-Dichloropropene	7.565	75	4117	0.903	ug/L #	59
44) trans-1,3-Dichloropropene	8.179	75	3162	0.729	ug/L	97
54) o-Xylene	10.098	106	3156	0.691	ug/L	94
63) 1,2,4-Trimethylbenzene	11.468	105	11291	1.543	ug/L	99

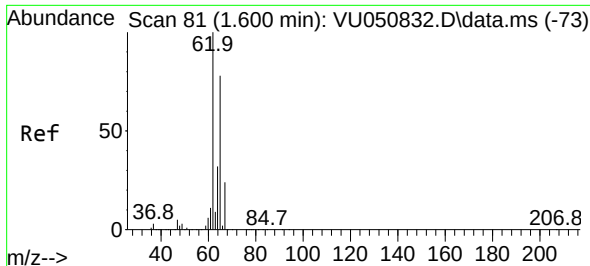
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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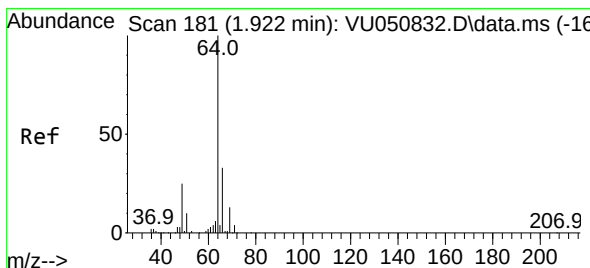
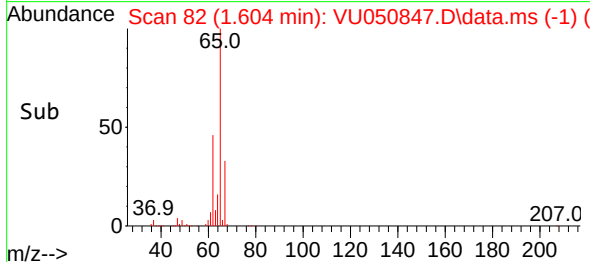
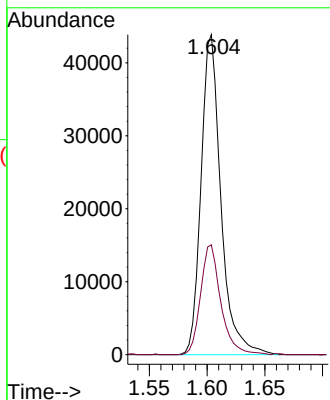
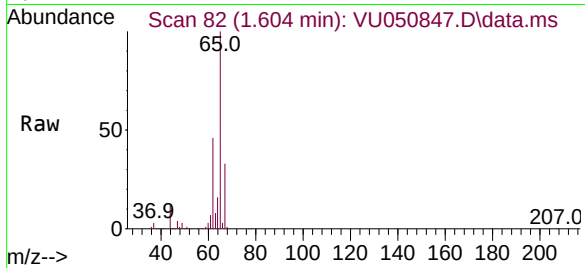




#5
 Vinyl chloride
 Concen: 12.898 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU050847.D
 Acq: 20 Sep 2022 21:32

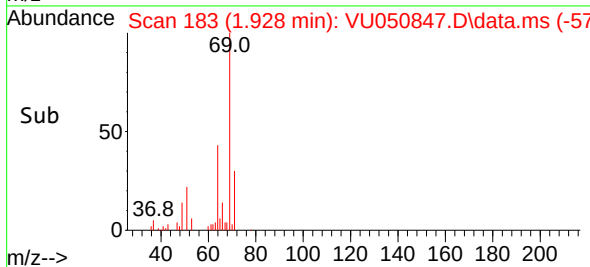
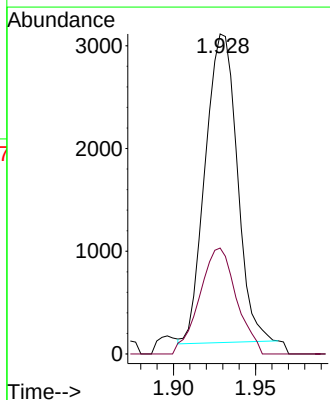
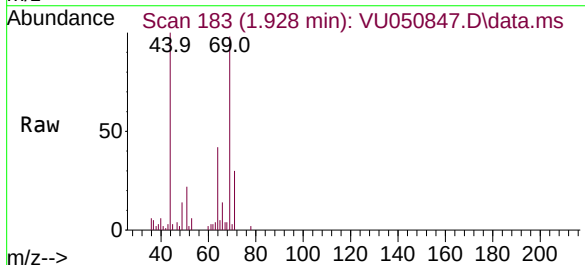
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ41

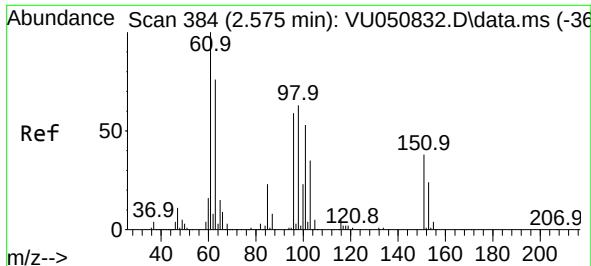
Tgt Ion: 62 Resp: 52473
 Ion Ratio Lower Upper
 62 100
 64 34.3 22.2 41.2



#8
 Chloroethane
 Concen: 1.804 ug/L
 RT: 1.928 min Scan# 183
 Delta R.T. 0.006 min
 Lab File: VU050847.D
 Acq: 20 Sep 2022 21:32

Tgt Ion: 64 Resp: 4064
 Ion Ratio Lower Upper
 64 100
 66 33.1 22.9 42.5

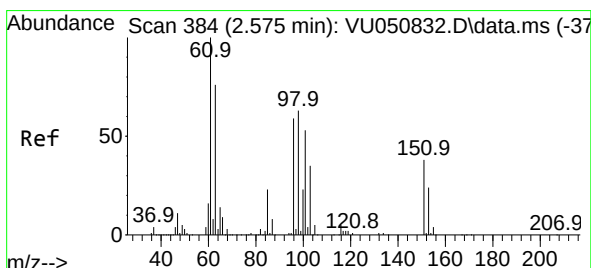
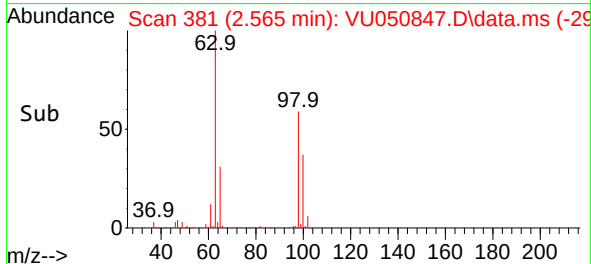
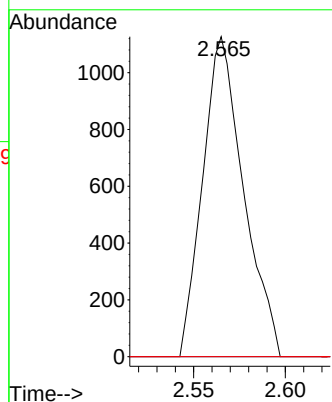
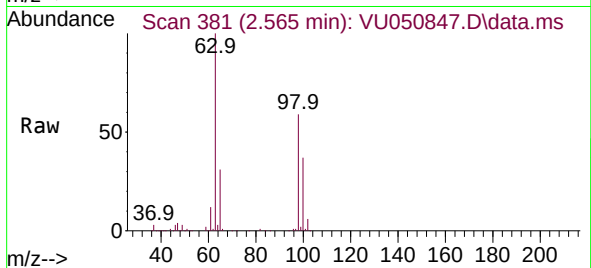




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.618 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.010 min
Lab File: VU050847.D
Acq: 20 Sep 2022 21:32

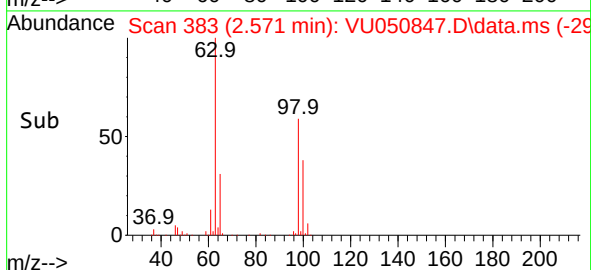
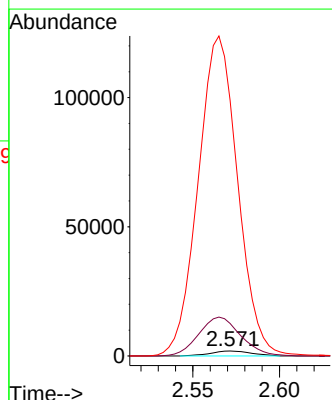
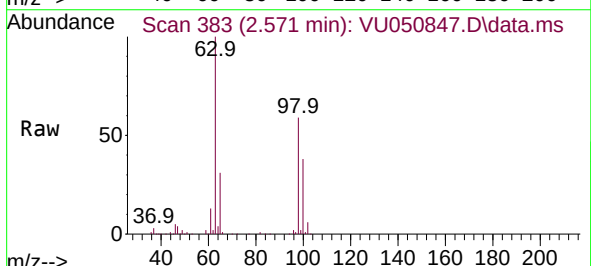
Instrument :
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ClientSampleId :
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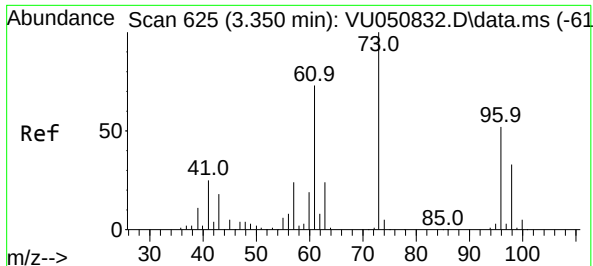
Tgt Ion: 101 Resp: 1746
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.6 84.8#



#12
1,1-Dichloroethene
Concen: 1.197 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU050847.D
Acq: 20 Sep 2022 21:32

Tgt Ion: 96 Resp: 3177
Ion Ratio Lower Upper
96 100
61 659.9 118.6 220.2#
63 5191.0 90.4 168.0#





#17

trans-1,2-Dichloroethene

Concen: 1.467 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050847.D

Acq: 20 Sep 2022 21:32

Instrument :

MSVOA_U

ClientSampleId :

EXZ41

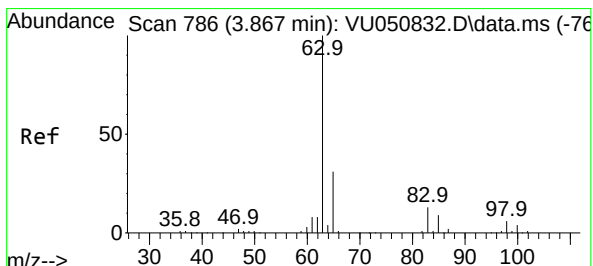
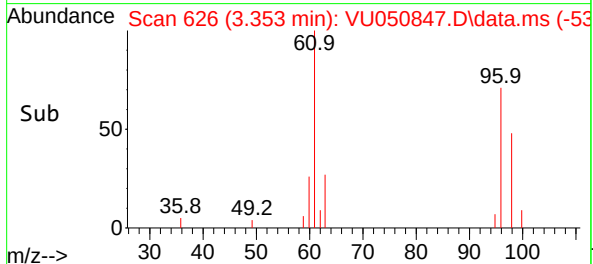
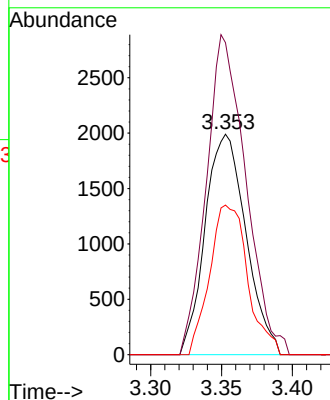
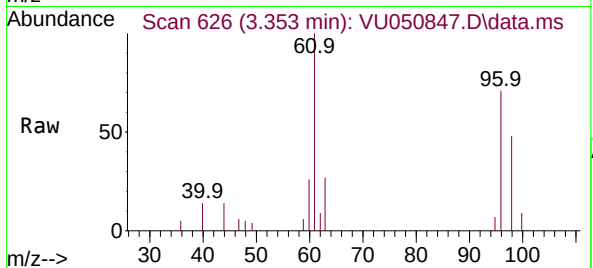
Tgt Ion: 96 Resp: 3991

Ion Ratio Lower Upper

96 100

61 141.5 98.0 182.0

98 67.8 44.3 82.3



#19

1,1-Dichloroethane

Concen: 52.906 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050847.D

Acq: 20 Sep 2022 21:32

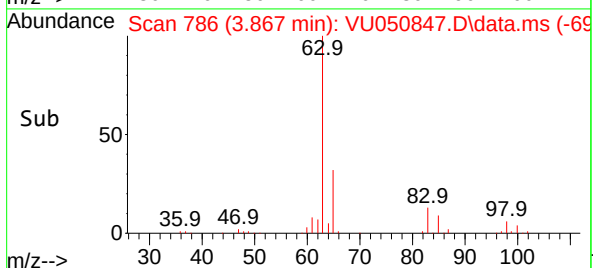
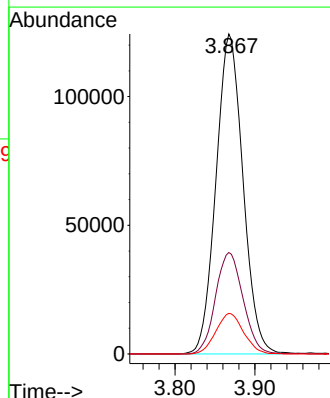
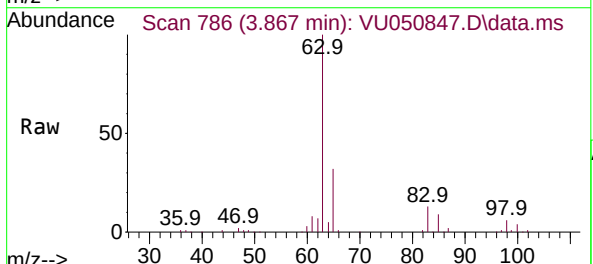
Tgt Ion: 63 Resp: 290778

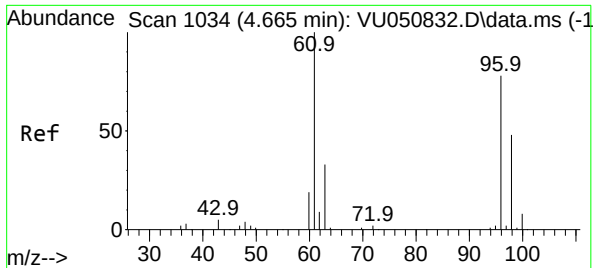
Ion Ratio Lower Upper

63 100

65 31.7 21.5 39.9

83 12.7 9.3 17.3

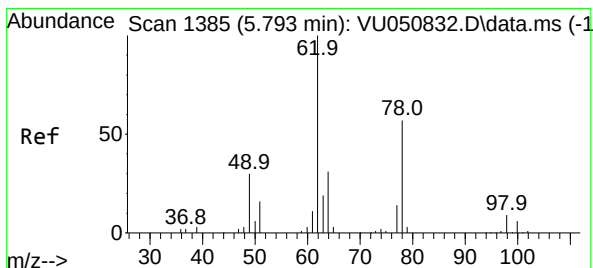
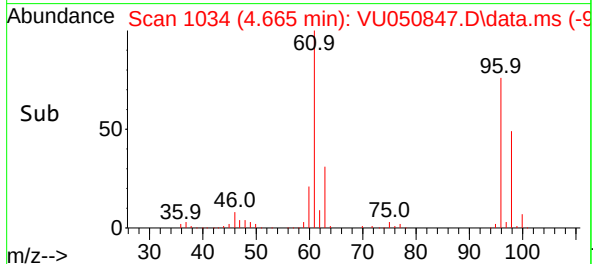
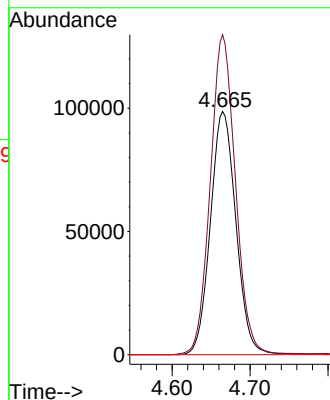
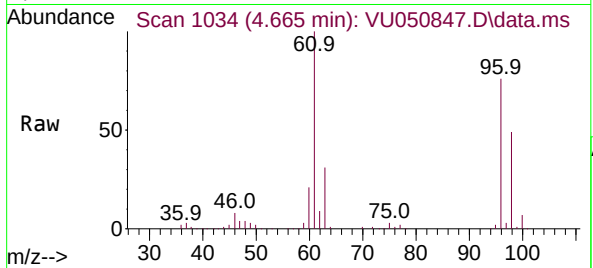




#20
 cis-1,2-Dichloroethene
 Concen: 74.401 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU050847.D
 Acq: 20 Sep 2022 21:32

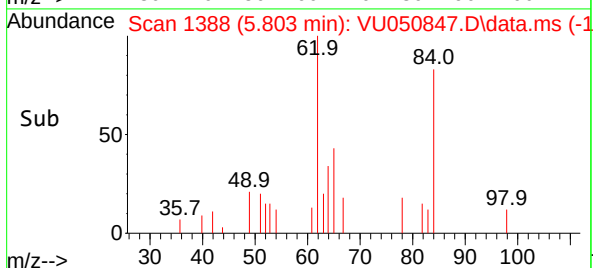
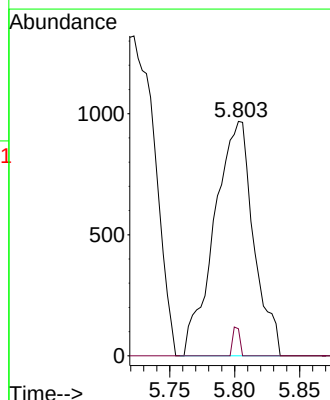
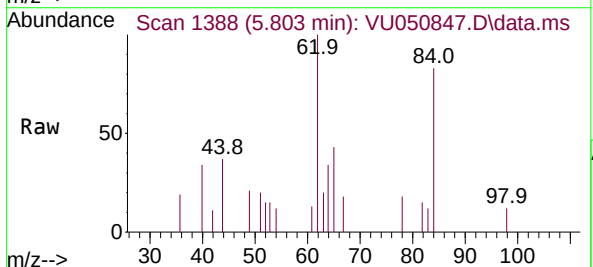
Instrument :
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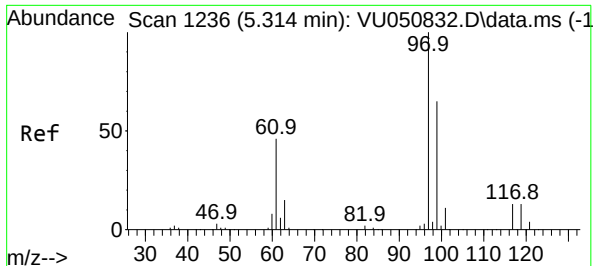
Tgt Ion: 96 Resp: 224387
 Ion Ratio Lower Upper
 96 100
 61 131.5 90.1 167.3
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.489 ug/L
 RT: 5.803 min Scan# 1388
 Delta R.T. 0.010 min
 Lab File: VU050847.D
 Acq: 20 Sep 2022 21:32

Tgt Ion: 62 Resp: 2035
 Ion Ratio Lower Upper
 62 100
 98 11.6 7.4 11.0#





#30

1,1,1-Trichloroethane

Concen: 1.353 ug/L

RT: 5.317 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU050847.D

Acq: 20 Sep 2022 21:32

Instrument :

MSVOA_U

ClientSampleId :

EXZ41

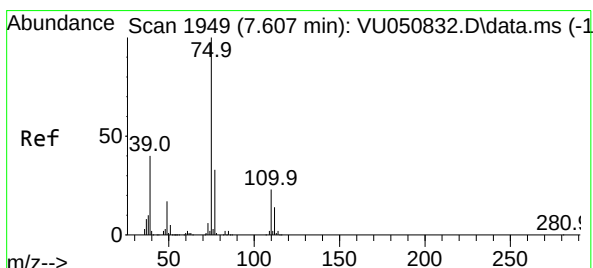
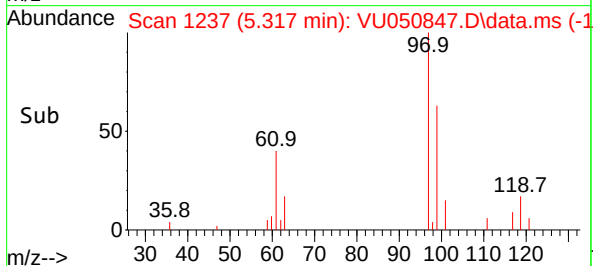
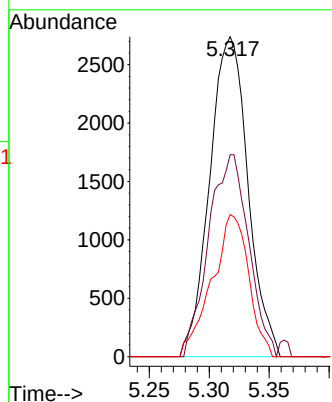
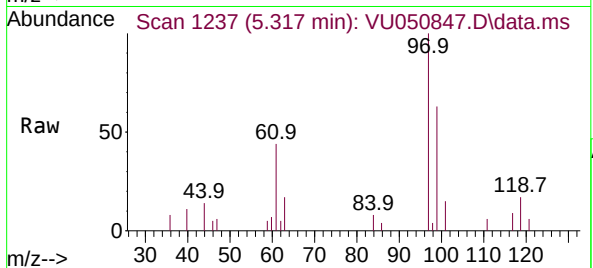
Tgt Ion: 97 Resp: 6087

Ion Ratio Lower Upper

97 100

99 65.9 52.2 78.2

61 42.7 37.1 55.7



#39

cis-1,3-Dichloropropene

Concen: 0.903 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.042 min

Lab File: VU050847.D

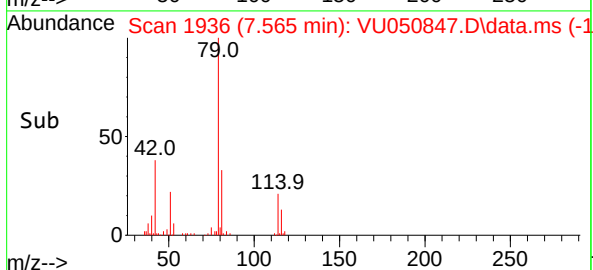
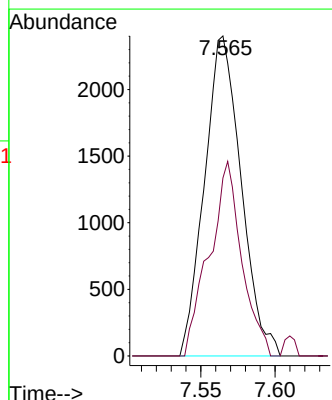
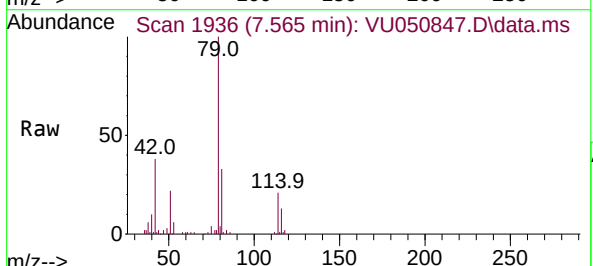
Acq: 20 Sep 2022 21:32

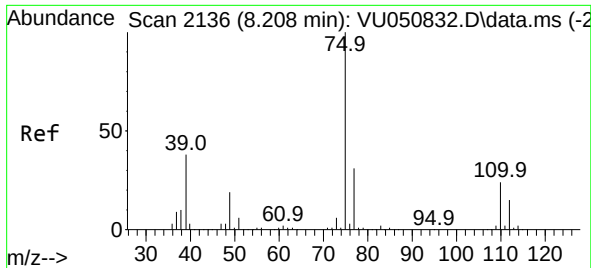
Tgt Ion: 75 Resp: 4117

Ion Ratio Lower Upper

75 100

77 55.6 22.8 42.4#

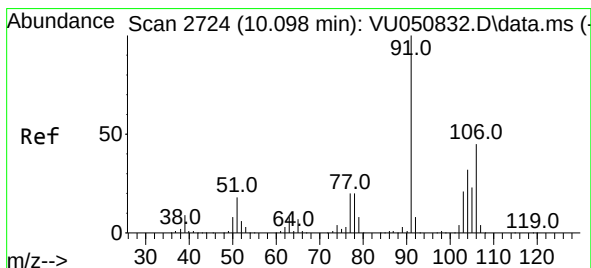
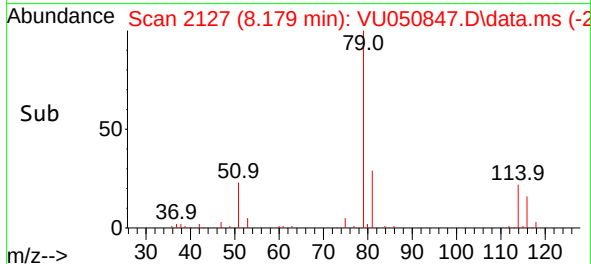
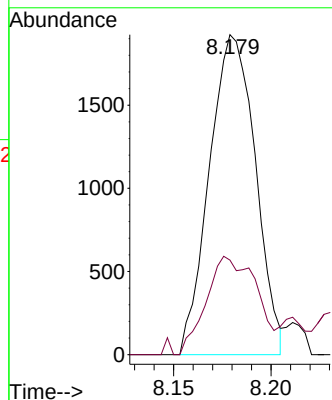
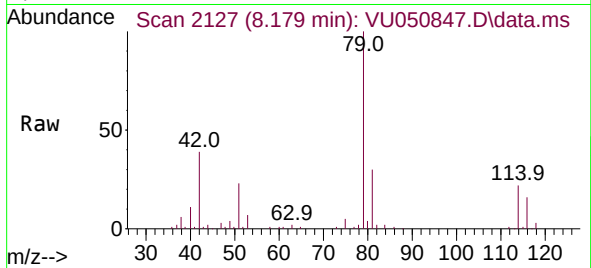




#44
trans-1,3-Dichloropropene
Concen: 0.729 ug/L
RT: 8.179 min Scan# 2136
Delta R.T. -0.029 min
Lab File: VU050847.D
Acq: 20 Sep 2022 21:32

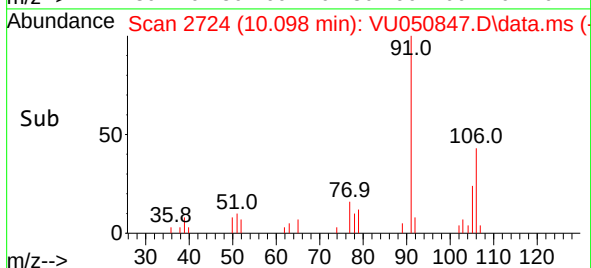
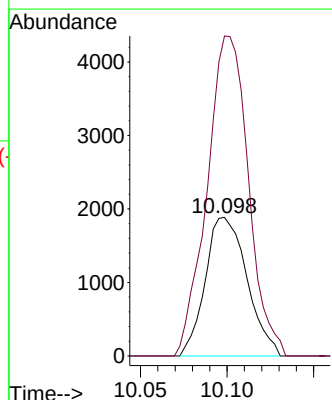
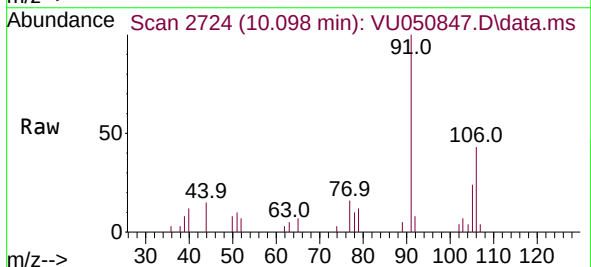
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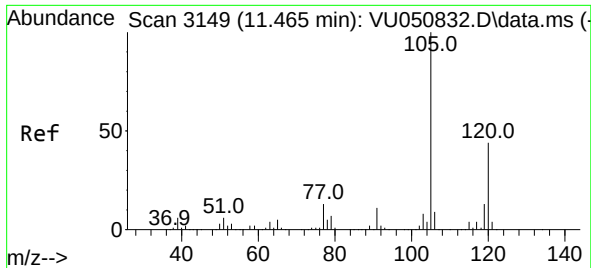
Tgt Ion: 75 Resp: 3162
Ion Ratio Lower Upper
75 100
77 29.5 21.9 40.7



#54
o-Xylene
Concen: 0.691 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU050847.D
Acq: 20 Sep 2022 21:32

Tgt Ion: 106 Resp: 3156
Ion Ratio Lower Upper
106 100
91 211.1 154.6 287.0





#63
 1,2,4-Trimethylbenzene
 Concen: 1.543 ug/L
 RT: 11.468 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU050847.D
 Acq: 20 Sep 2022 21:32

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ41

Tgt Ion:105 Resp: 11291
 Ion Ratio Lower Upper
 105 100
 120 44.2 34.9 52.3

