

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050842.D
 Acq On : 20 Sep 2022 19:34
 Operator : JC/MD
 Sample : N4651-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ43

Quant Time: Sep 21 02:26:41 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)

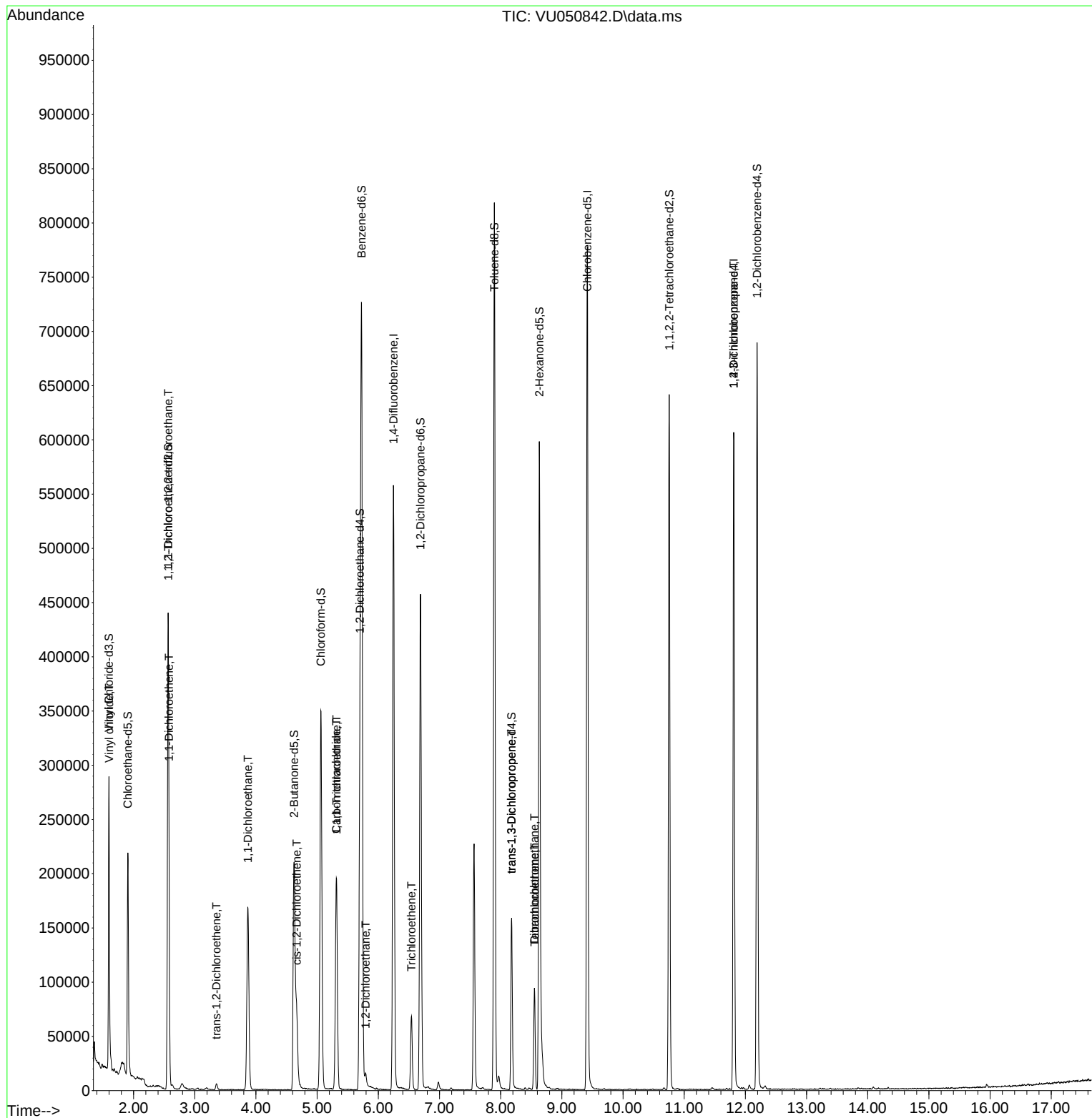
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	443014	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	424404	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	159954	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	198871	43.328	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.660%		
7) Chloroethane-d5	1.906	69	155594	47.598	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.200%		
11) 1,1-Dichloroethene-d2	2.565	63	253417	35.483	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.960%		
21) 2-Butanone-d5	4.623	46	309996	104.614	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.610%		
24) Chloroform-d	5.060	84	327043	45.467	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.940%		
26) 1,2-Dichloroethane-d4	5.700	65	210261	47.432	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.860%		
32) Benzene-d6	5.726	84	668714	47.837	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.680%		
36) 1,2-Dichloropropane-d6	6.691	67	228722	48.473	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.940%		
41) Toluene-d8	7.896	98	536768	43.928	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.860%		
43) trans-1,3-Dichloroprop...	8.179	79	89588	43.644	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.280%		
47) 2-Hexanone-d5	8.633	63	190845	98.146	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.150%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	325125	45.194	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.380%		
66) 1,2-Dichlorobenzene-d4	12.192	152	173991	51.953	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.900%		
Target Compounds						Qvalue
5) Vinyl chloride	1.601	62	4043	0.774	ug/L #	2
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	2234	0.616	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	23686	6.955	ug/L #	1
17) trans-1,2-Dichloroethene	3.353	96	2301	0.659	ug/L	92
19) 1,1-Dichloroethane	3.867	63	196381	27.842	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	28189	7.283	ug/L	88
27) 1,2-Dichloroethane	5.793	62	9000	1.685	ug/L	98
30) 1,1,1-Trichloroethane	5.318	97	143622	25.437	ug/L	97
31) Carbon tetrachloride	5.314	117	17736	3.781	ug/L	93
34) Trichloroethene	6.543	95	23166	6.385	ug/L	96
44) trans-1,3-Dichloropropene	8.179	75	3703	0.681	ug/L #	69
46) Tetrachloroethene	8.555	164	20615	7.907	ug/L	98
49) Dibromochloromethane	8.552	129	20505	5.310	ug/L #	10
60) 1,2,3-Trichloropropane	11.809	75	20354	4.524	ug/L #	69

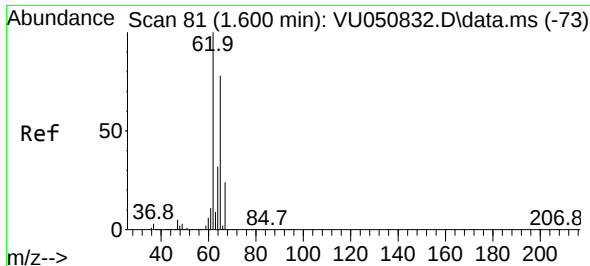
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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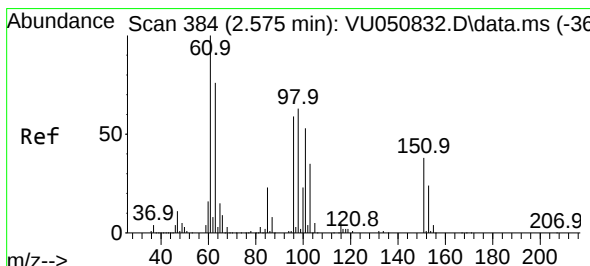
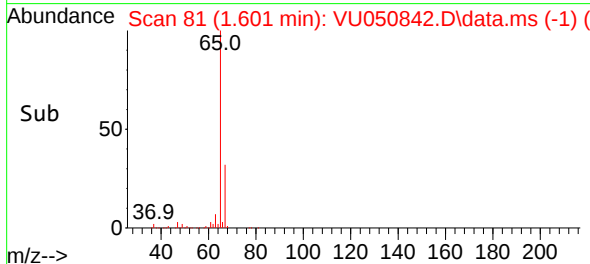
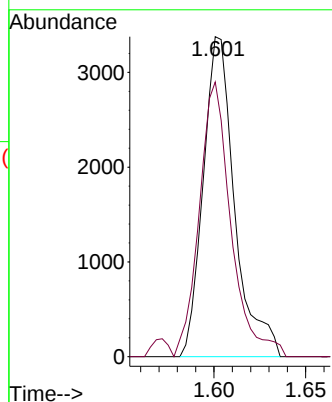
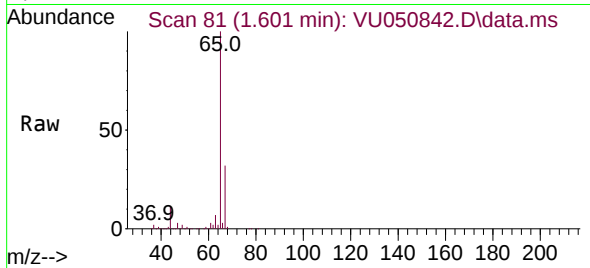




#5
 Vinyl chloride
 Concen: 0.774 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050842.D
 Acq: 20 Sep 2022 19:34

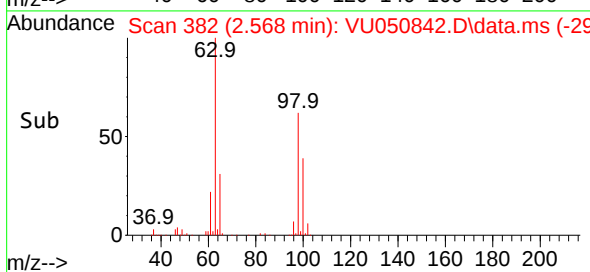
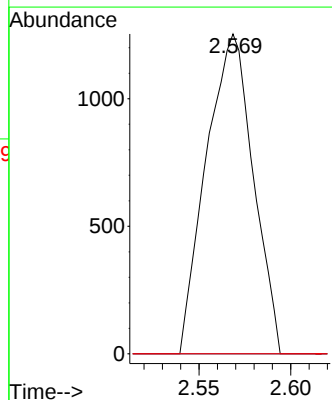
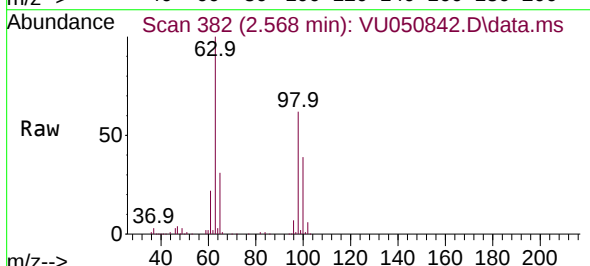
Instrument :
 MSVOA_U
 ClientSampleId :
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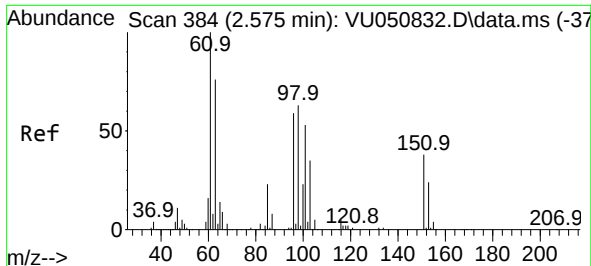
Tgt Ion: 62 Resp: 4043
 Ion Ratio Lower Upper
 62 100
 64 85.8 22.2 41.2#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.616 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.006 min
 Lab File: VU050842.D
 Acq: 20 Sep 2022 19:34

Tgt Ion: 101 Resp: 2234
 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: 6.955 ug/L

RT: 2.578 min Scan# 384

Delta R.T. 0.003 min

Lab File: VU050842.D

Acq: 20 Sep 2022 19:34

Instrument :

MSVOA_U

ClientSampleId :

EXZ43

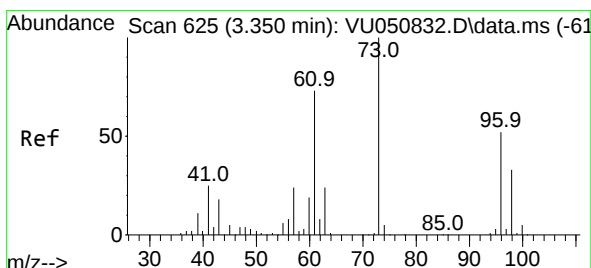
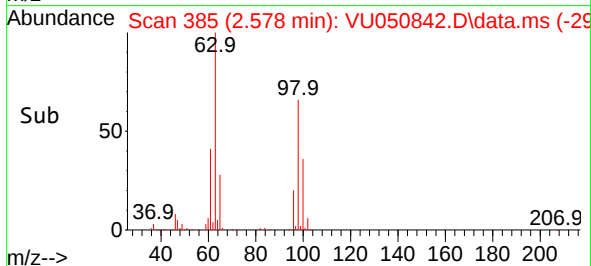
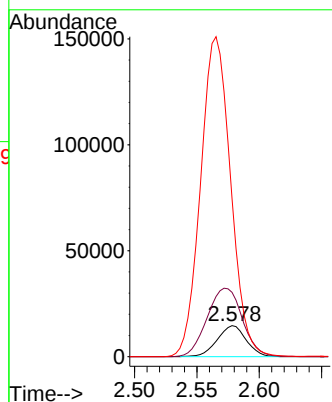
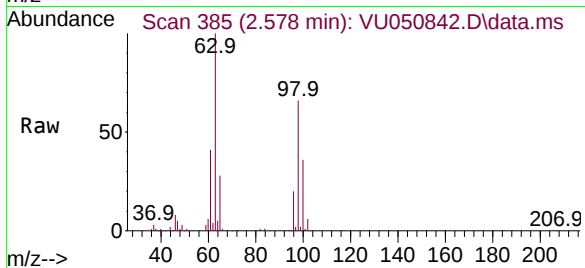
Tgt Ion: 96 Resp: 23686

Ion Ratio Lower Upper

96 100

61 207.2 118.6 220.2

63 509.9 90.4 168.0#



#17

trans-1,2-Dichloroethene

Concen: 0.659 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.003 min

Lab File: VU050842.D

Acq: 20 Sep 2022 19:34

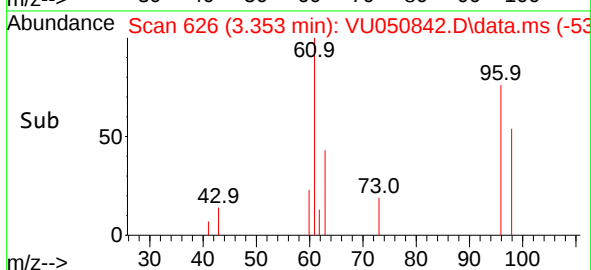
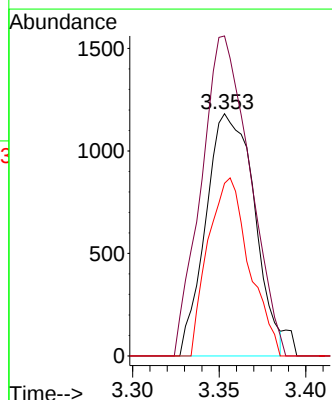
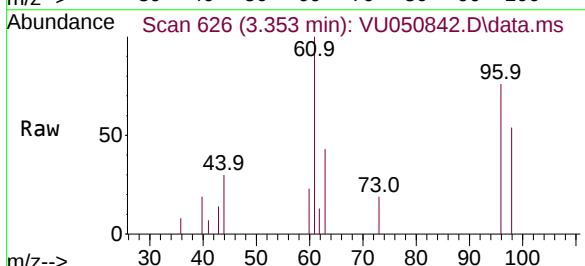
Tgt Ion: 96 Resp: 2301

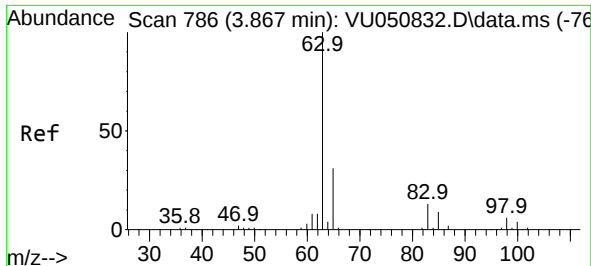
Ion Ratio Lower Upper

96 100

61 132.1 98.0 182.0

98 71.2 44.3 82.3

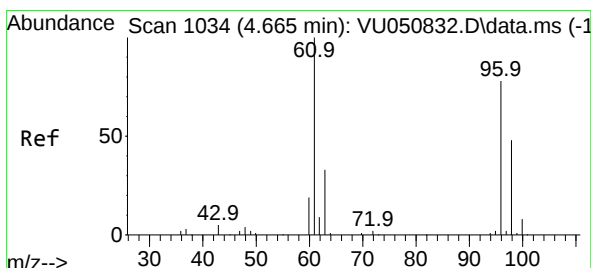
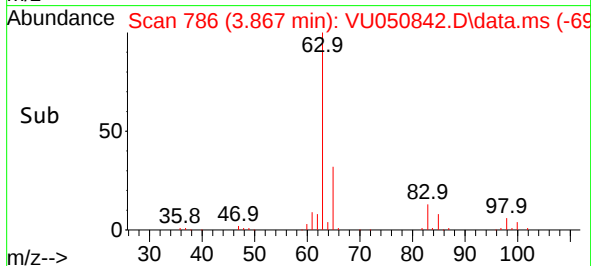
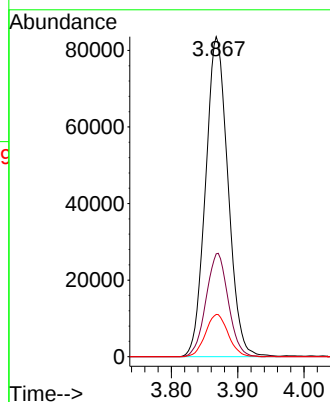
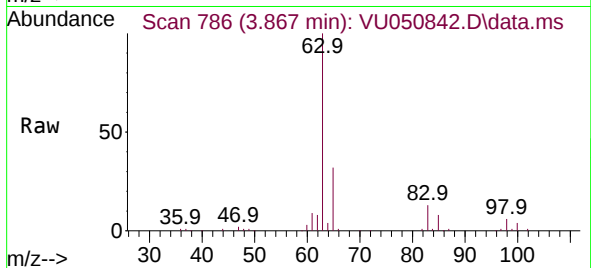




#19
1,1-Dichloroethane
Concen: 27.842 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU050842.D
Acq: 20 Sep 2022 19:34

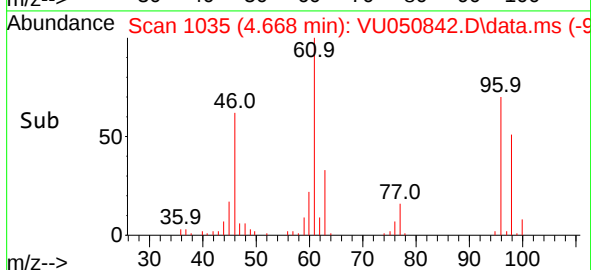
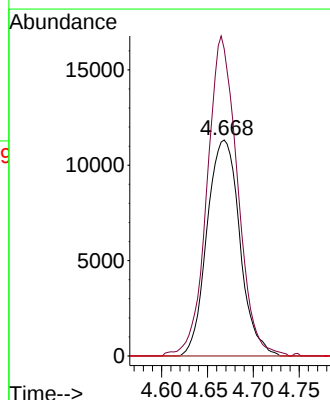
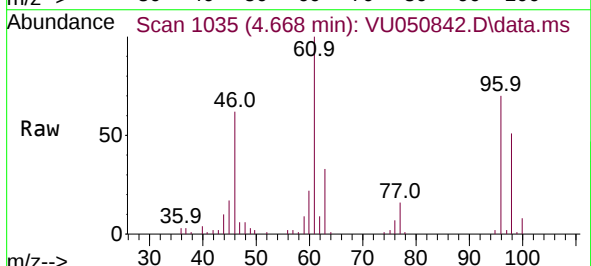
Instrument :
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ClientSampleId :
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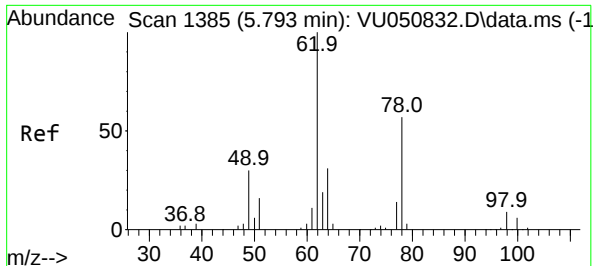
Tgt Ion: 63 Resp: 196381
Ion Ratio Lower Upper
63 100
65 32.1 21.5 39.9
83 13.2 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 7.283 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VU050842.D
Acq: 20 Sep 2022 19:34

Tgt Ion: 96 Resp: 28189
Ion Ratio Lower Upper
96 100
61 142.2 90.1 167.3
68 0.0 0.0 0.0

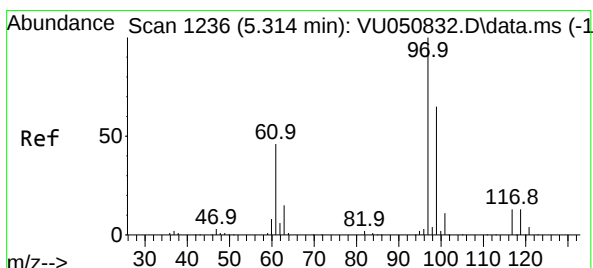
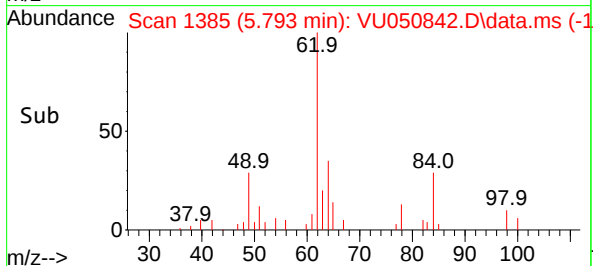
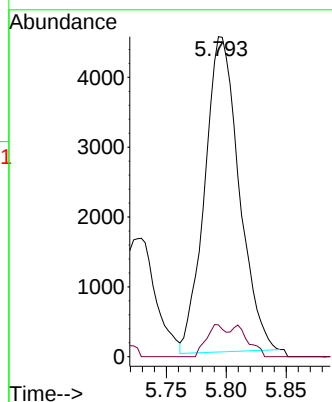
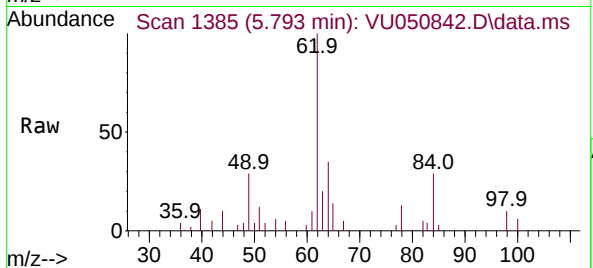




#27
1,2-Dichloroethane
Concen: 1.685 ug/L
RT: 5.793 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050842.D
Acq: 20 Sep 2022 19:34

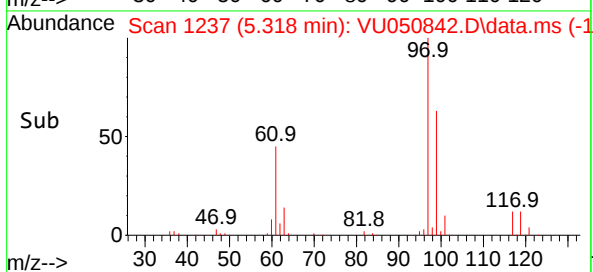
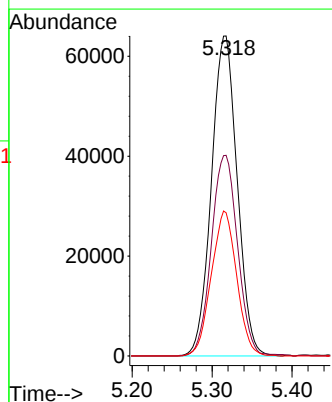
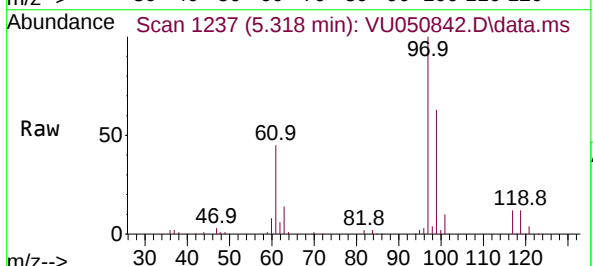
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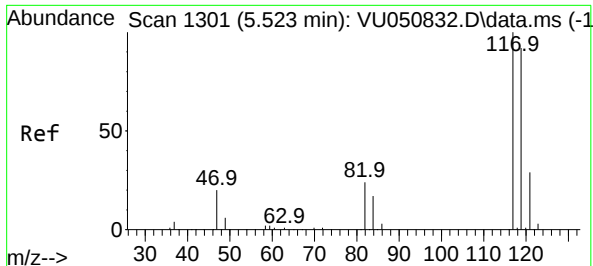
Tgt Ion: 62 Resp: 9000
Ion Ratio Lower Upper
62 100
98 9.9 7.4 11.0



#30
1,1,1-Trichloroethane
Concen: 25.437 ug/L
RT: 5.318 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VU050842.D
Acq: 20 Sep 2022 19:34

Tgt Ion: 97 Resp: 143622
Ion Ratio Lower Upper
97 100
99 63.2 52.2 78.2
61 44.6 37.1 55.7

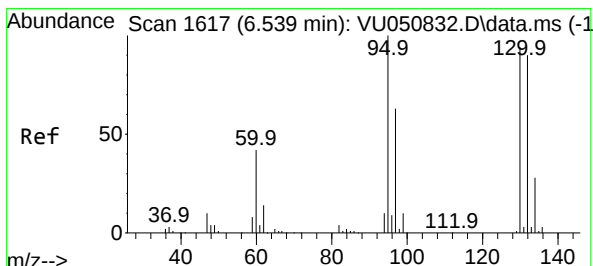
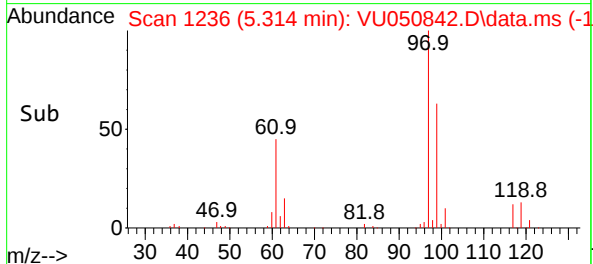
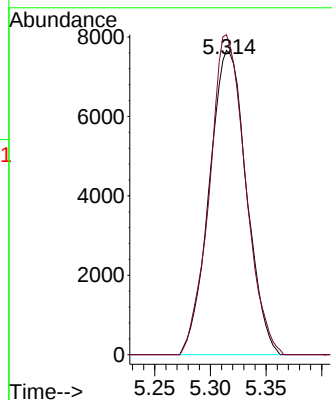
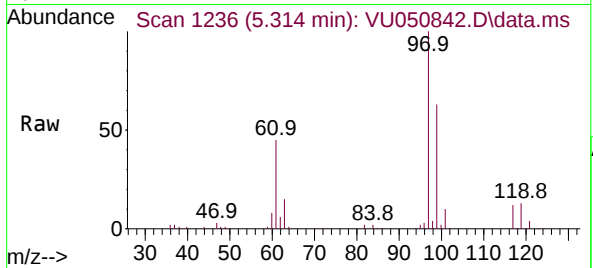




#31
Carbon tetrachloride
Concen: 3.781 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU050842.D
Acq: 20 Sep 2022 19:34

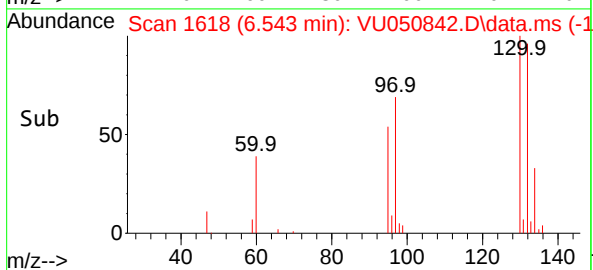
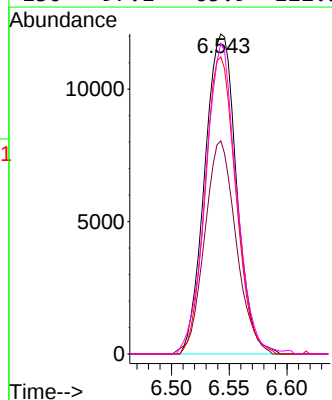
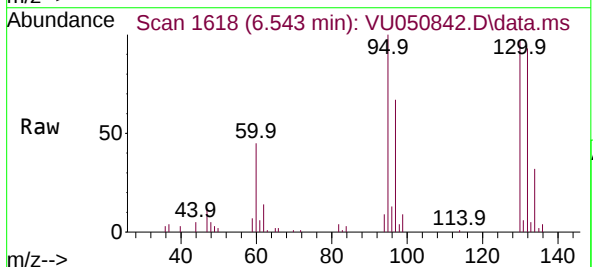
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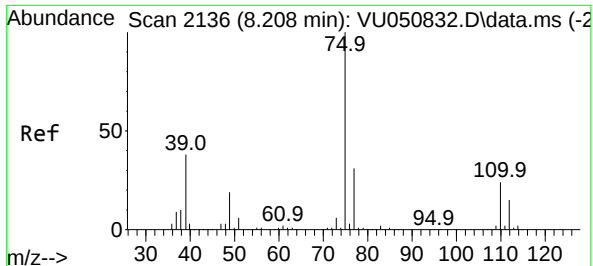
Tgt Ion:117 Resp: 17736
Ion Ratio Lower Upper
117 100
119 102.0 76.0 114.0



#34
Trichloroethene
Concen: 6.385 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU050842.D
Acq: 20 Sep 2022 19:34

Tgt Ion: 95 Resp: 23166
Ion Ratio Lower Upper
95 100
97 66.6 43.9 81.5
132 92.8 63.1 117.1
130 97.1 65.9 122.3

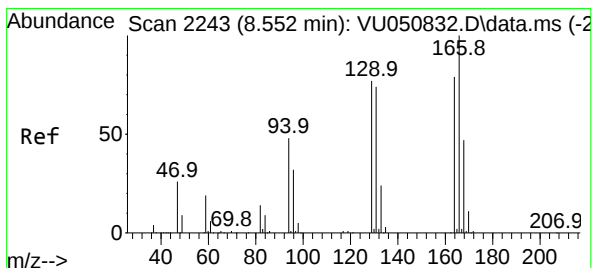
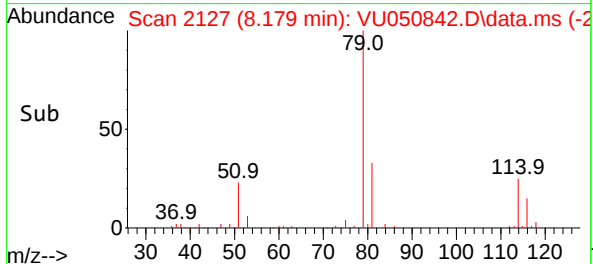
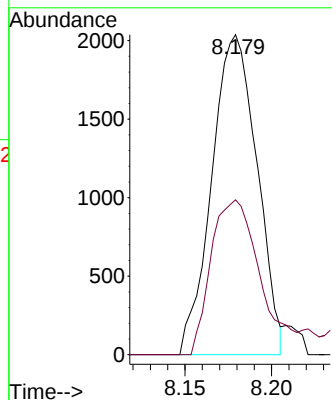
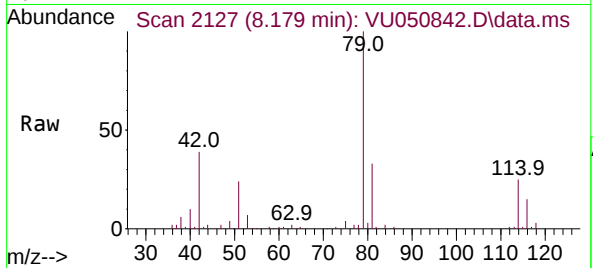




#44
trans-1,3-Dichloropropene
Concen: 0.681 ug/L
RT: 8.179 min Scan# 2136
Delta R.T. -0.029 min
Lab File: VU050842.D
Acq: 20 Sep 2022 19:34

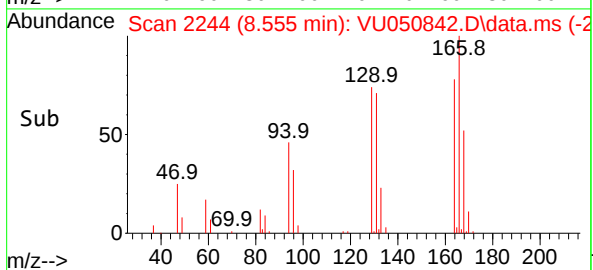
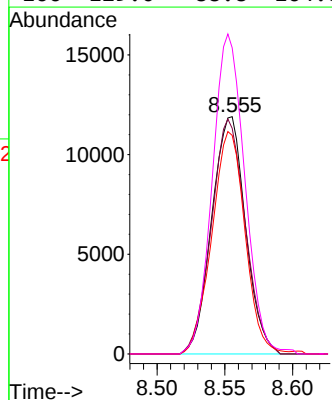
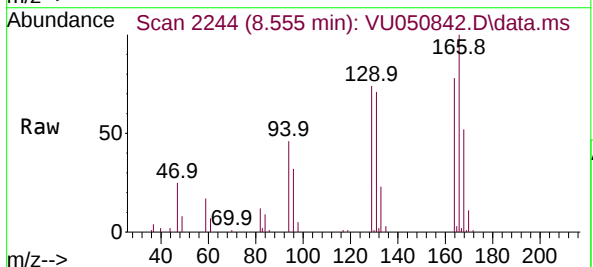
Instrument :
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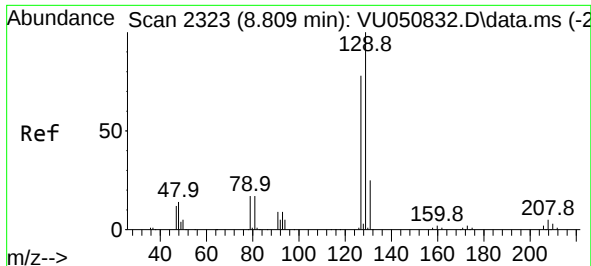
Tgt Ion: 75 Resp: 3703
Ion Ratio Lower Upper
75 100
77 48.4 21.9 40.7#



#46
Tetrachloroethene
Concen: 7.907 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU050842.D
Acq: 20 Sep 2022 19:34

Tgt Ion:164 Resp: 20615
Ion Ratio Lower Upper
164 100
129 95.1 68.5 127.3
131 92.1 66.1 122.7
166 129.0 88.8 164.8





#49

Dibromochloromethane

Concen: 5.310 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU050842.D

Acq: 20 Sep 2022 19:34

Instrument :

MSVOA_U

ClientSampleId :

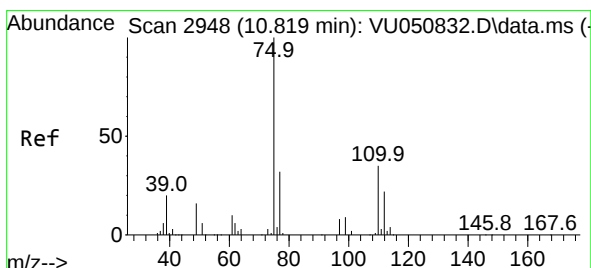
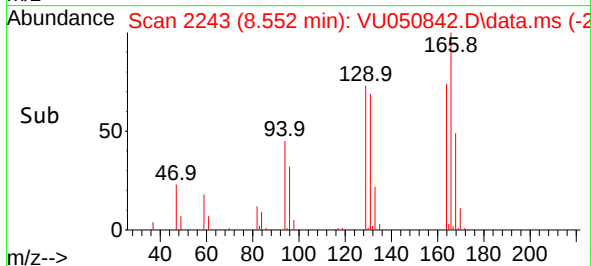
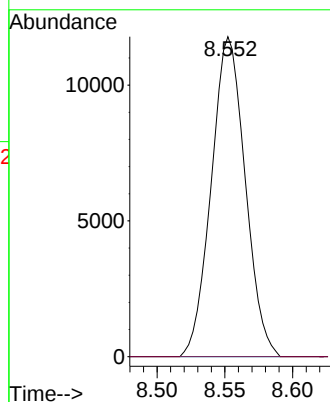
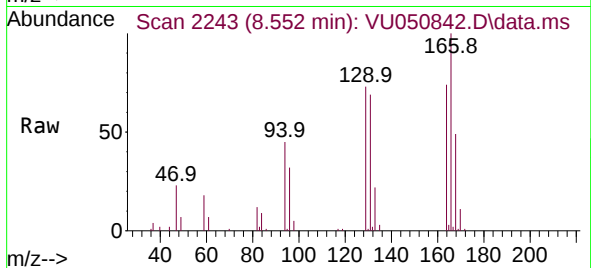
EXZ43

Tgt Ion:129 Resp: 20505

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#60

1,2,3-Trichloropropane

Concen: 4.524 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.991 min

Lab File: VU050842.D

Acq: 20 Sep 2022 19:34

Tgt Ion: 75 Resp: 20354

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.4

110 1.6 28.6 43.0#

