

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092122\
 Data File : VU050879.D
 Acq On : 21 Sep 2022 16:49
 Operator : JC/MD
 Sample : N4650-05DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ01DL

Quant Time: Sep 22 02:13:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 22 02:11:06 2022
 Response via : Initial Calibration

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

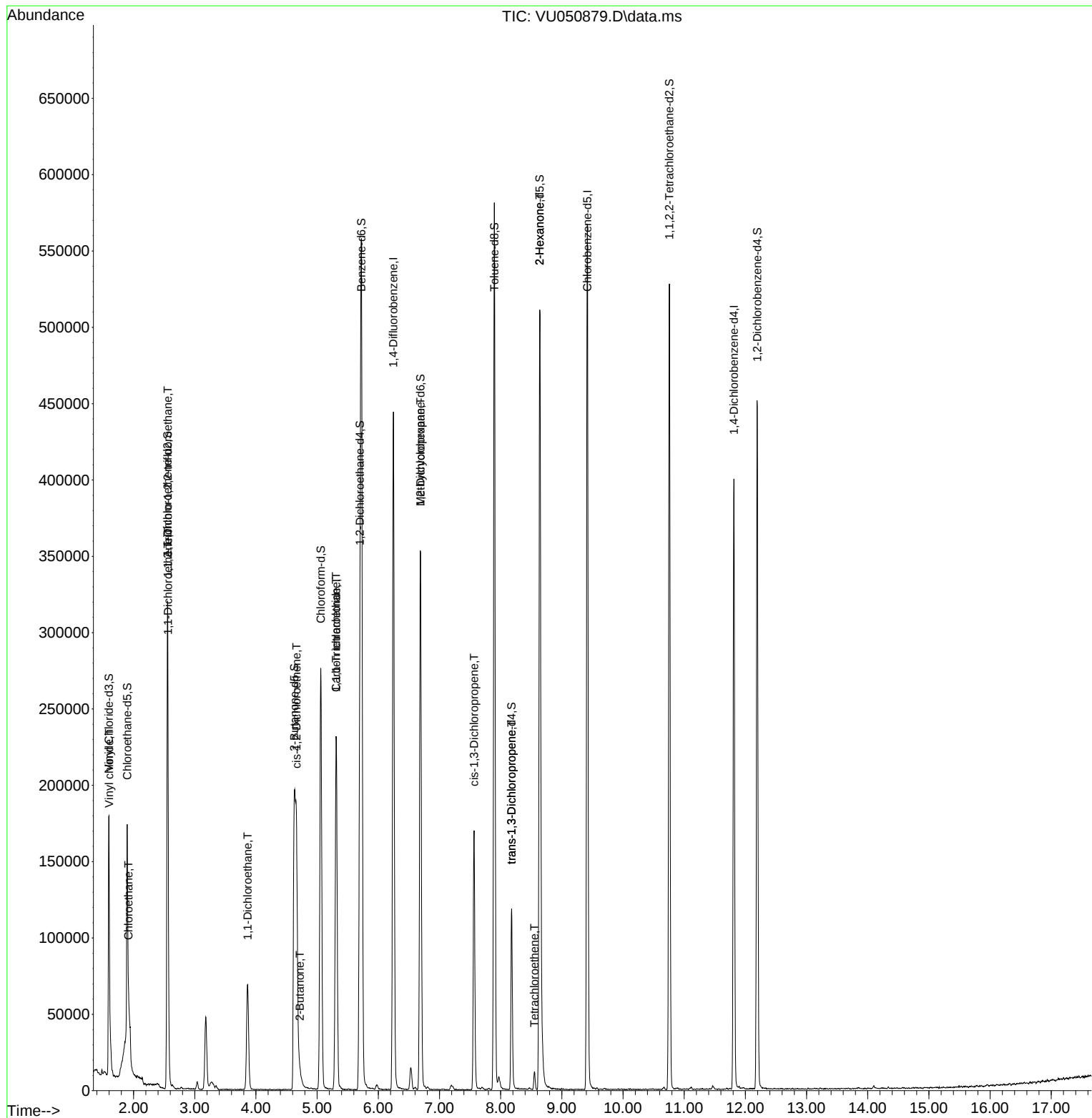
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	350292	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	315409	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	105497	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	145770	40.165	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.340%		
7) Chloroethane-d5	1.896	69	98151	37.973	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	75.940%		
11) 1,1-Dichloroethene-d2	2.556	63	187333	33.173	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.340%		
21) 2-Butanone-d5	4.626	46	301244	128.570	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	128.570%		
24) Chloroform-d	5.060	84	257207	45.223	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.440%		
26) 1,2-Dichloroethane-d4	5.700	65	167616	47.821	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.640%		
32) Benzene-d6	5.723	84	503214	48.437	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.880%		
36) 1,2-Dichloropropane-d6	6.687	67	173423	49.454	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.900%		
41) Toluene-d8	7.896	98	384336	42.322	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.640%		
43) trans-1,3-Dichloroprop...	8.179	79	65469	42.916	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.840%		
47) 2-Hexanone-d5	8.639	63	173900	120.336	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	120.340%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	270983	50.685	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.380%		
66) 1,2-Dichlorobenzene-d4	12.195	152	116311	52.657	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.320%		
Target Compounds						Qvalue
5) Vinyl chloride	1.601	62	12103	2.932	ug/L #	76
8) Chloroethane	1.916	64	6892	3.015	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.559	101	1901	0.663	ug/L #	23
12) 1,1-Dichloroethene	2.562	96	3148	1.169	ug/L #	1
19) 1,1-Dichloroethane	3.864	63	82313	14.759	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	65625	21.443	ug/L	99
22) 2-Butanone	4.716	43	2558	0.978	ug/L	79
30) 1,1,1-Trichloroethane	5.311	97	165262	39.384	ug/L	100
31) Carbon tetrachloride	5.311	117	20993	6.022	ug/L	96
35) Methylcyclohexane	6.687	83	38958	8.967	ug/L #	17
39) cis-1,3-Dichloropropene	7.565	75	4080	0.960	ug/L	84
44) trans-1,3-Dichloropropene	8.179	75	2838	0.702	ug/L #	61
46) Tetrachloroethene	8.552	164	2564	1.323	ug/L	93
48) 2-Hexanone	8.639	43	25494	6.970	ug/L #	78

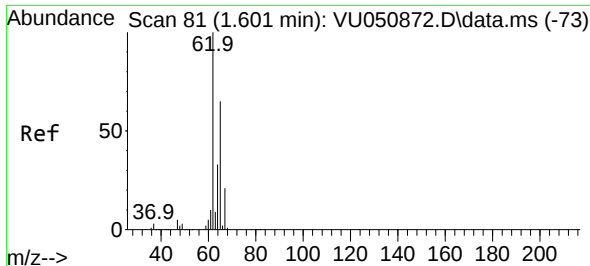
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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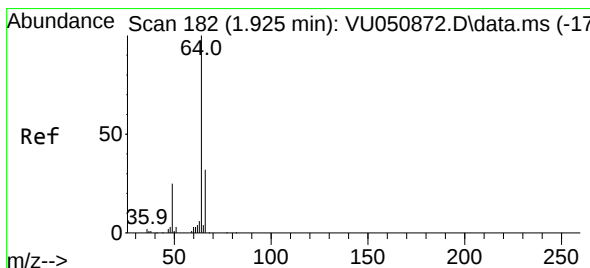
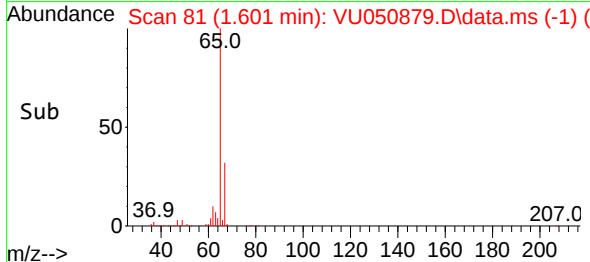
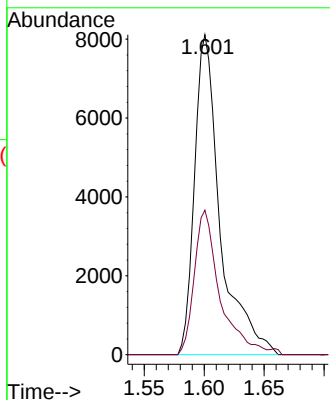
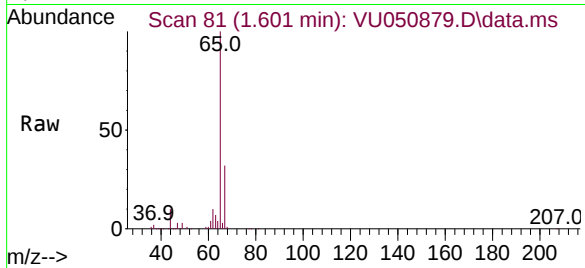




#5
 Vinyl chloride
 Concen: 2.932 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050879.D
 Acq: 21 Sep 2022 16:49

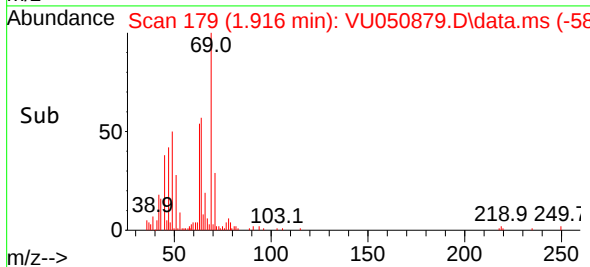
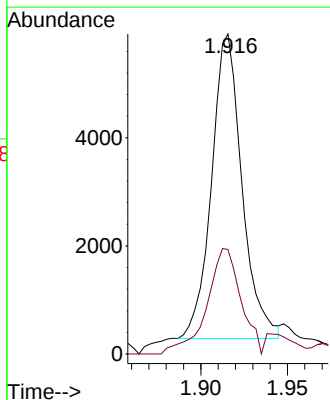
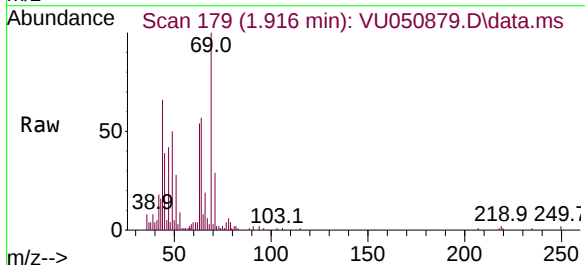
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ01DL

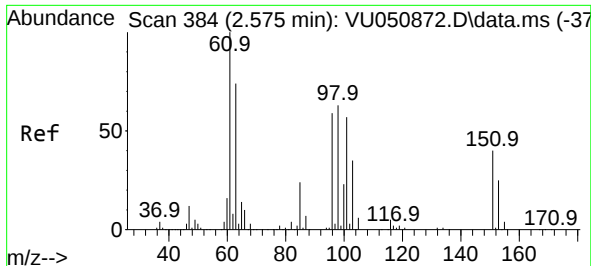
Tgt Ion: 62 Resp: 12103
 Ion Ratio Lower Upper
 62 100
 64 45.1 22.2 41.2#



#8
 Chloroethane
 Concen: 3.015 ug/L
 RT: 1.916 min Scan# 179
 Delta R.T. -0.010 min
 Lab File: VU050879.D
 Acq: 21 Sep 2022 16:49

Tgt Ion: 64 Resp: 6892
 Ion Ratio Lower Upper
 64 100
 66 32.6 22.9 42.5





#10

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

Concen: 0.663 ug/L

RT: 2.559 min Scan# 31

Delta R.T. -0.016 min

Lab File: VU050879.D

Acq: 21 Sep 2022 16:49

Instrument :

MSVOA_U

ClientSampleId :

EXZ01DL

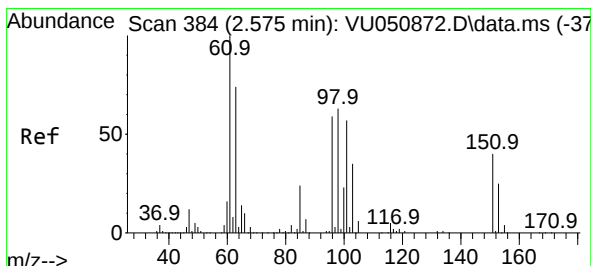
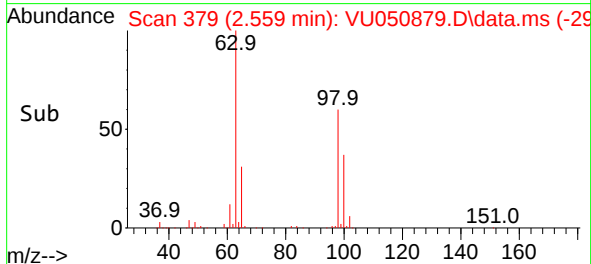
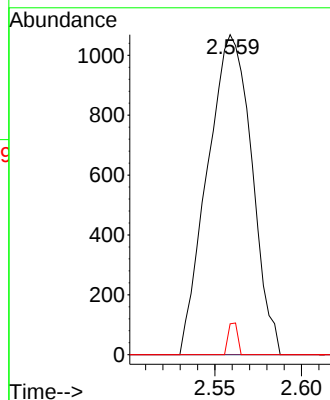
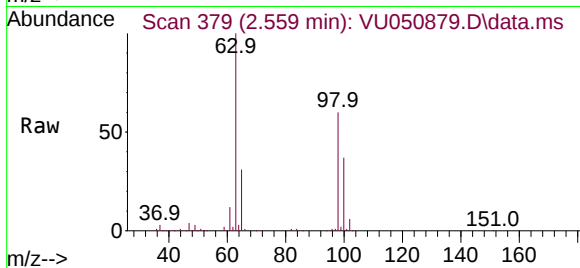
Tgt Ion:101 Resp: 1901

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 2.1 56.6 84.8#



#12

1,1-Dichloroethene

Concen: 1.169 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.013 min

Lab File: VU050879.D

Acq: 21 Sep 2022 16:49

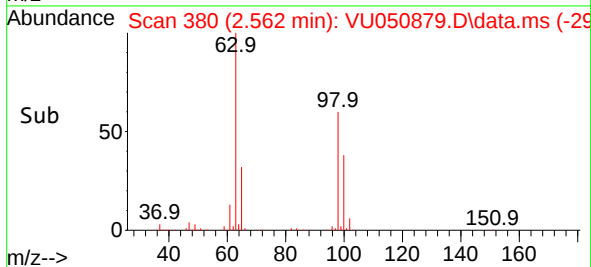
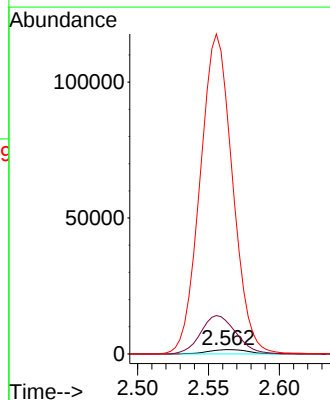
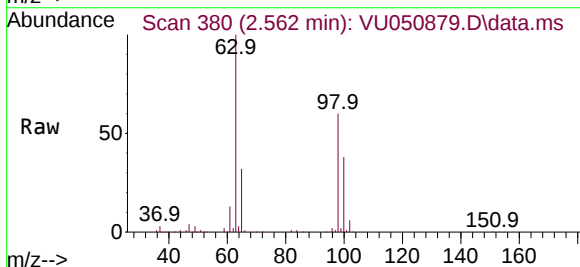
Tgt Ion: 96 Resp: 3148

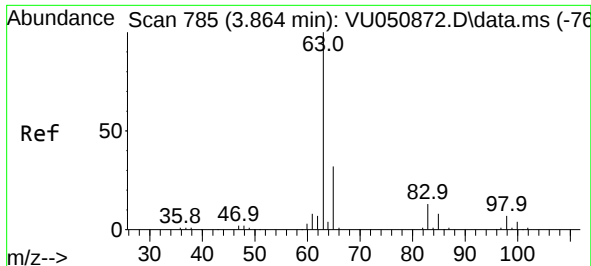
Ion Ratio Lower Upper

96 100

61 784.6 118.6 220.2#

63 6064.1 90.4 168.0#





#19

1,1-Dichloroethane

Concen: 14.759 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU050879.D

Acq: 21 Sep 2022 16:49

Instrument :

MSVOA_U

ClientSampleId :

EXZ01DL

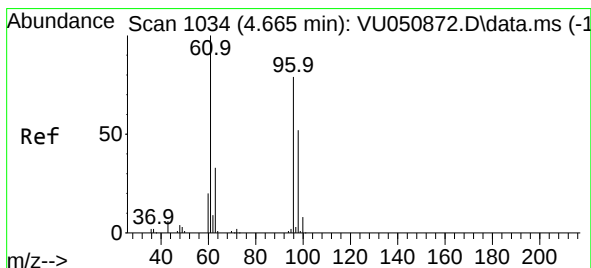
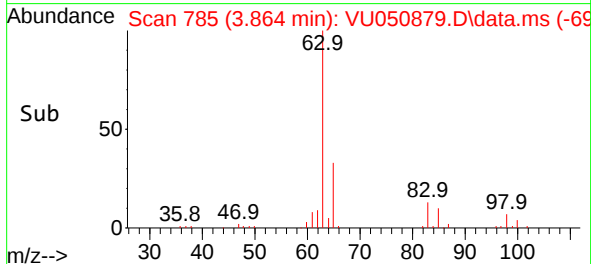
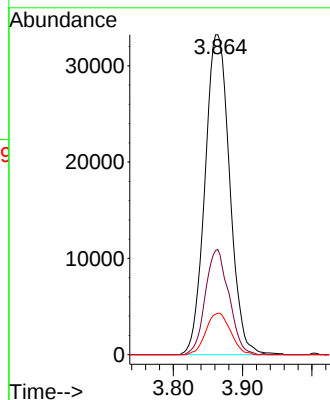
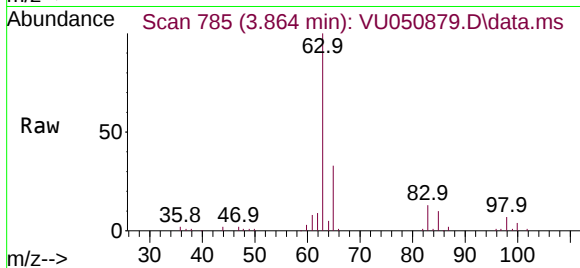
Tgt Ion: 63 Resp: 82313

Ion Ratio Lower Upper

63 100

65 32.9 21.5 39.9

83 12.9 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 21.443 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU050879.D

Acq: 21 Sep 2022 16:49

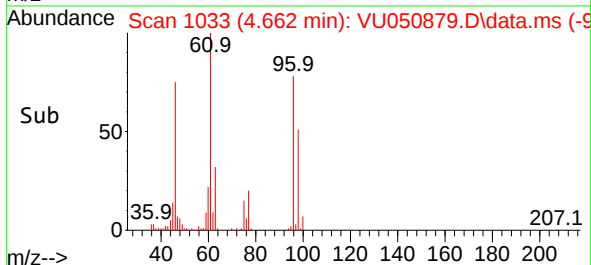
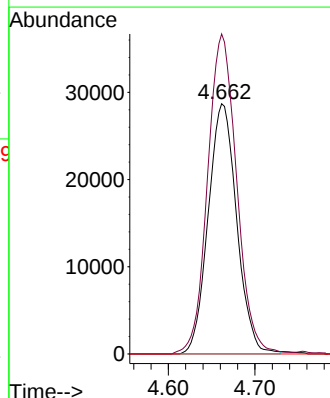
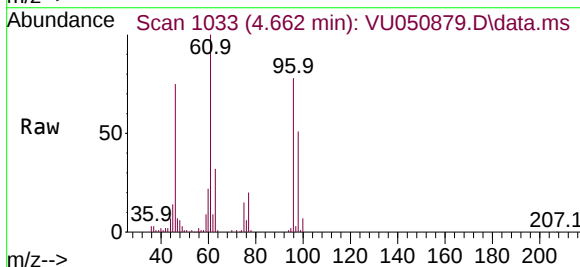
Tgt Ion: 96 Resp: 65625

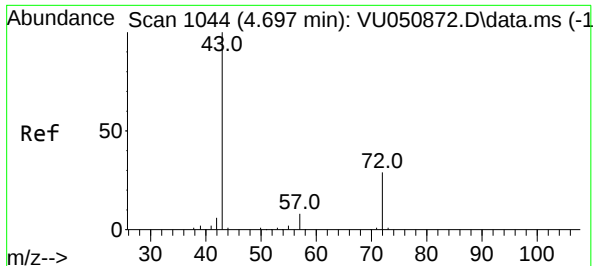
Ion Ratio Lower Upper

96 100

61 127.9 90.1 167.3

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 0.978 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.019 min

Lab File: VU050879.D

Acq: 21 Sep 2022 16:49

Instrument :

MSVOA_U

ClientSampleId :

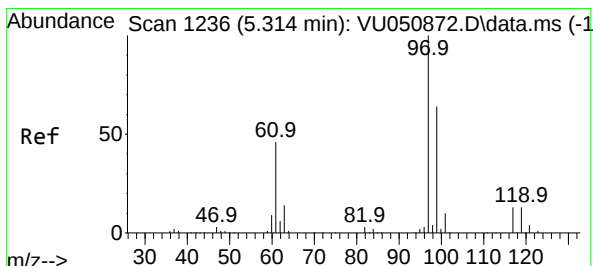
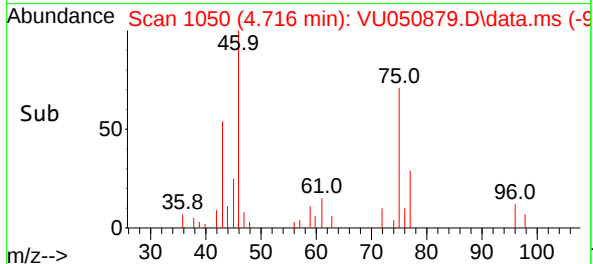
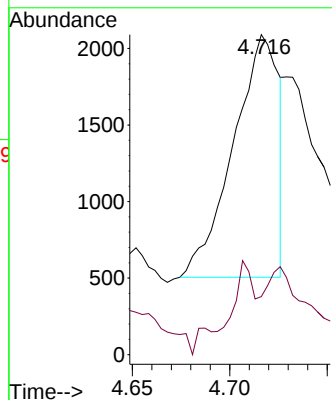
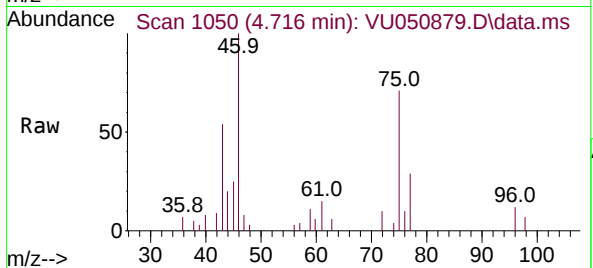
EXZ01DL

Tgt Ion: 43 Resp: 2558

Ion Ratio Lower Upper

43 100

72 18.1 14.8 44.3



#30

1,1,1-Trichloroethane

Concen: 39.384 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU050879.D

Acq: 21 Sep 2022 16:49

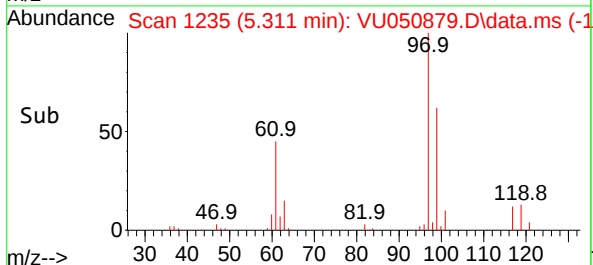
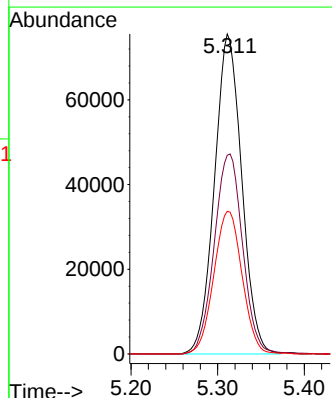
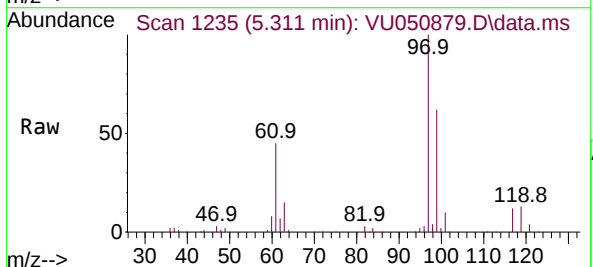
Tgt Ion: 97 Resp: 165262

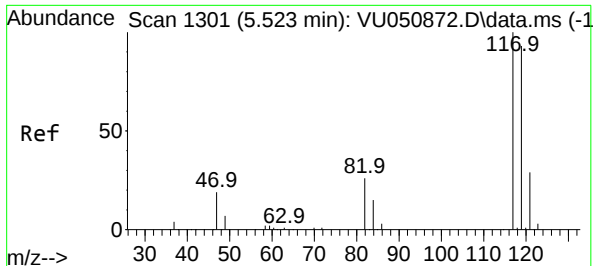
Ion Ratio Lower Upper

97 100

99 65.1 52.2 78.2

61 46.2 37.1 55.7

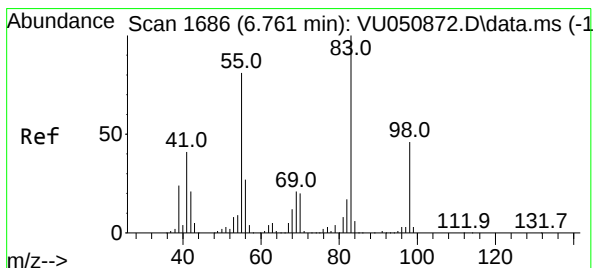
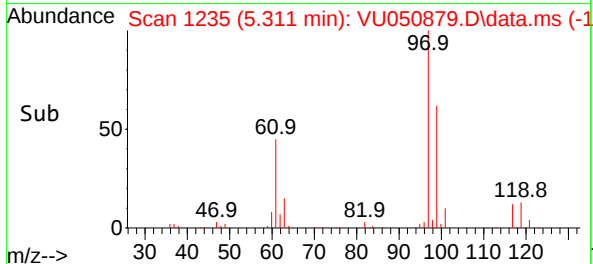
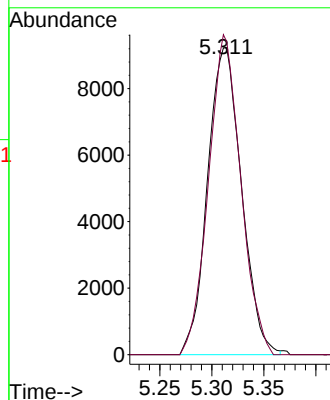
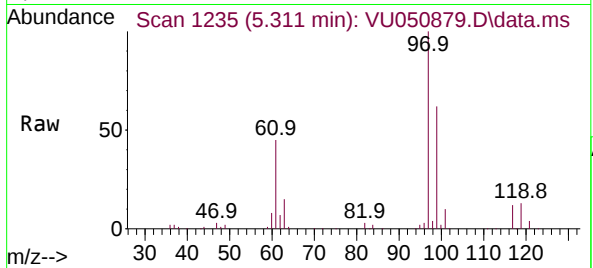




#31
Carbon tetrachloride
Concen: 6.022 ug/L
RT: 5.311 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU050879.D
Acq: 21 Sep 2022 16:49

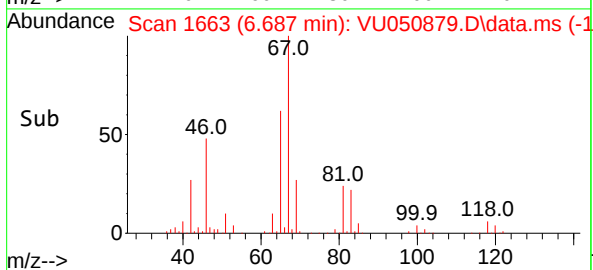
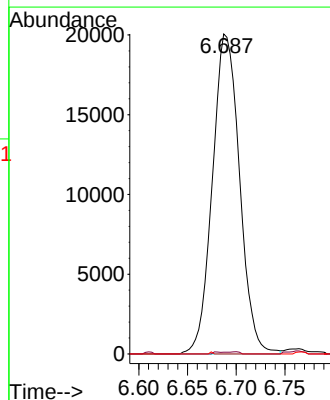
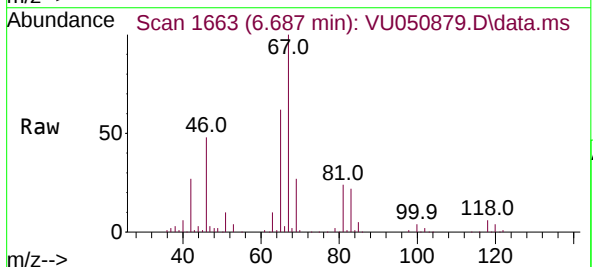
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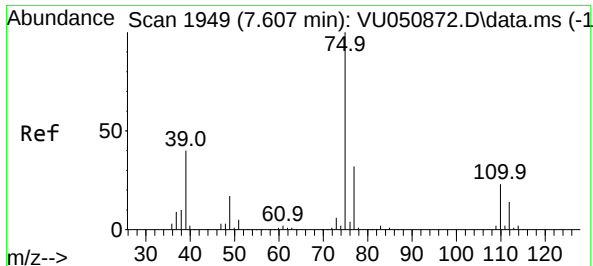
Tgt Ion:117 Resp: 20993
Ion Ratio Lower Upper
117 100
119 98.8 76.0 114.0



#35
Methylcyclohexane
Concen: 8.967 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU050879.D
Acq: 21 Sep 2022 16:49

Tgt Ion: 83 Resp: 38958
Ion Ratio Lower Upper
83 100
55 0.2 64.7 97.1#
98 0.0 35.2 52.8#





#39

cis-1,3-Dichloropropene

Concen: 0.960 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU050879.D

Acq: 21 Sep 2022 16:49

Instrument :

MSVOA_U

ClientSampleId :

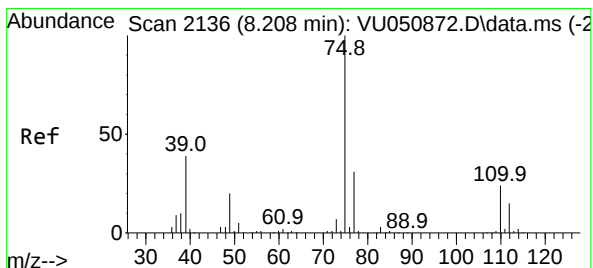
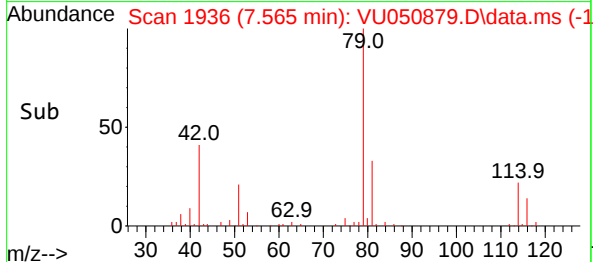
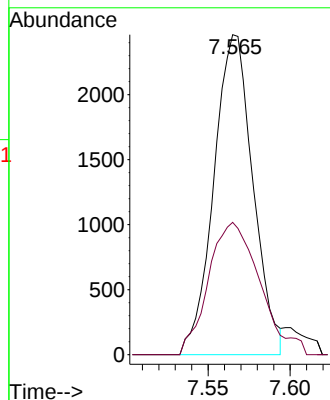
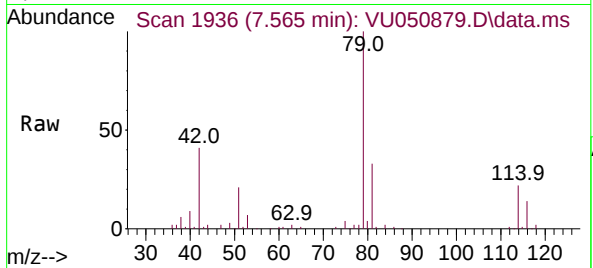
EXZ01DL

Tgt Ion: 75 Resp: 4080

Ion Ratio Lower Upper

75 100

77 41.4 22.8 42.4



#44

trans-1,3-Dichloropropene

Concen: 0.702 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.029 min

Lab File: VU050879.D

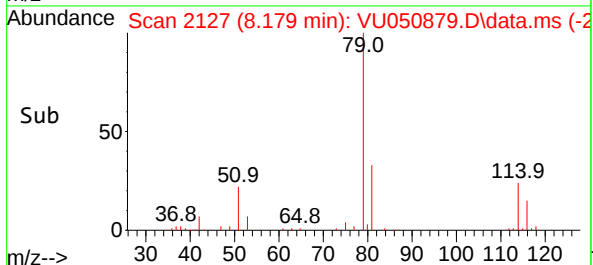
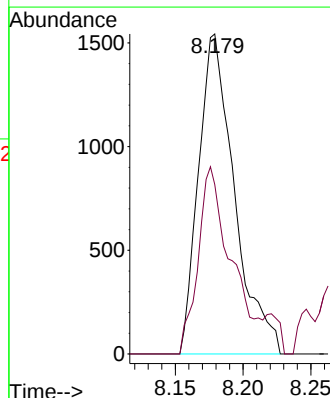
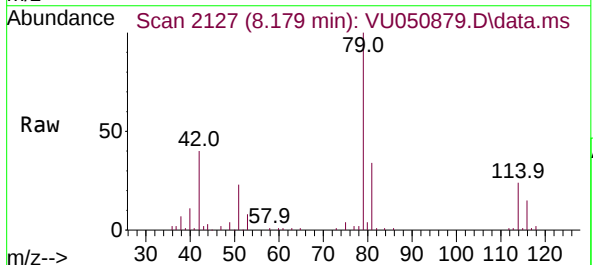
Acq: 21 Sep 2022 16:49

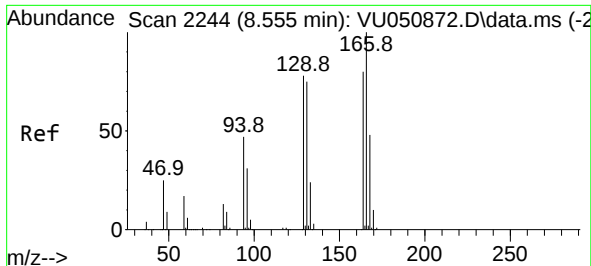
Tgt Ion: 75 Resp: 2838

Ion Ratio Lower Upper

75 100

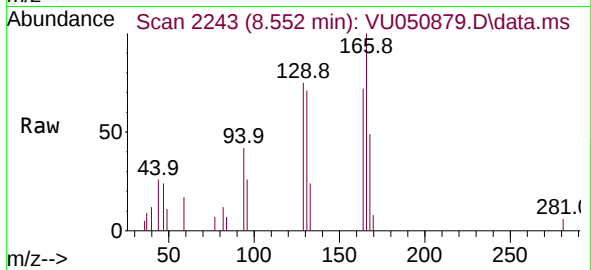
77 52.9 21.9 40.7#



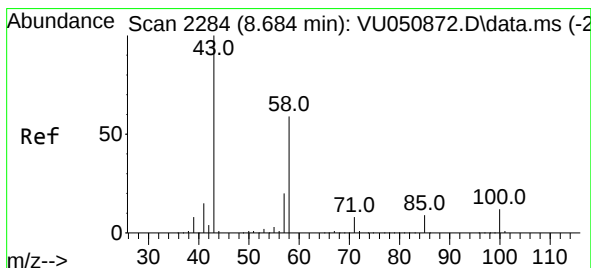
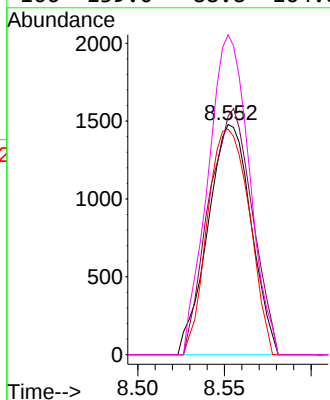
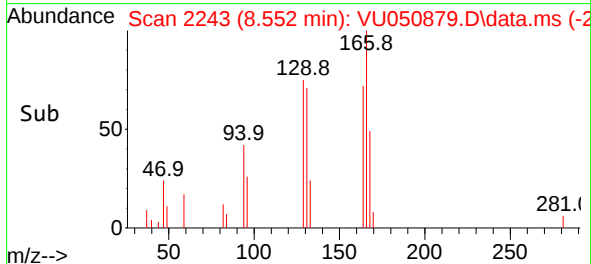


#46
Tetrachloroethene
Concen: 1.323 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050879.D
Acq: 21 Sep 2022 16:49

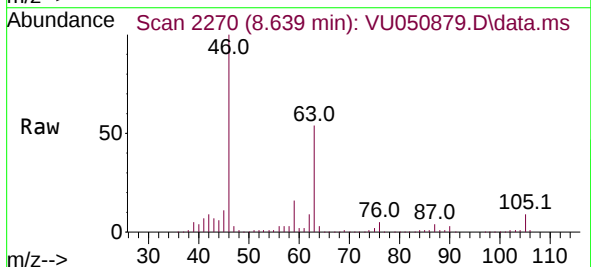
Instrument :
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ClientSampleId :
EXZ01DL



Tgt Ion:	164	Resp:	2564
Ion	Ratio	Lower	Upper
164	100		
129	103.7	68.5	127.3
131	98.0	66.1	122.7
166	139.0	88.8	164.8



#48
2-Hexanone
Concen: 6.970 ug/L
RT: 8.639 min Scan# 2270
Delta R.T. -0.045 min
Lab File: VU050879.D
Acq: 21 Sep 2022 16:49



Tgt Ion:	43	Resp:	25494
Ion	Ratio	Lower	Upper
43	100		
58	46.5	47.2	70.8#
57	38.0	16.2	24.4#
100	3.3	9.1	13.7#

