

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092122\
 Data File : VU050881.D
 Acq On : 21 Sep 2022 17:36
 Operator : JC/MD
 Sample : N4650-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

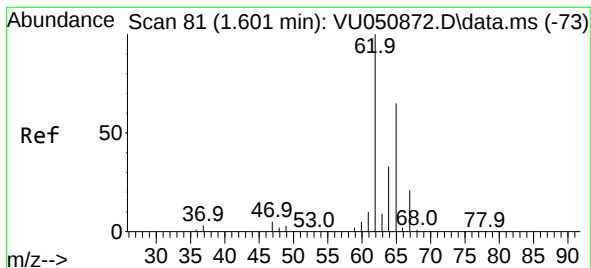
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK135

Quant Time: Sep 22 02:14:21 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	6.250	114	311261	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	298412	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	102158	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	134733	41.779	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.560%
7) Chloroethane-d5	1.903	69	108458	47.223	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.440%
11) 1,1-Dichloroethene-d2	2.562	63	166461	33.173	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.340%
21) 2-Butanone-d5	4.620	46	284956	136.868	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	136.870%#
24) Chloroform-d	5.061	84	236682	46.832	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.660%
26) 1,2-Dichloroethane-d4	5.700	65	155225	49.839	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.680%
32) Benzene-d6	5.726	84	462328	47.037	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.080%
36) 1,2-Dichloropropane-d6	6.691	67	162410	48.952	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.900%
41) Toluene-d8	7.896	98	355659	41.395	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.800%
43) trans-1,3-Dichloroprop...	8.179	79	59967	41.548	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.100%
47) 2-Hexanone-d5	8.633	63	153488	112.261	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.260%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	244846	48.405	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.820%
66) 1,2-Dichlorobenzene-d4	12.192	152	110421	51.624	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.240%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.601	62	14697	4.007	ug/L #	77
8) Chloroethane	1.926	64	22503	11.080	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1536	0.603	ug/L #	21
12) 1,1-Dichloroethene	2.562	96	1899	0.794	ug/L #	1
19) 1,1-Dichloroethane	3.868	63	77219	15.582	ug/L	96
20) cis-1,2-Dichloroethene	4.665	96	34701	12.760	ug/L	94
27) 1,2-Dichloroethane	5.800	62	1518	0.404	ug/L #	83
30) 1,1,1-Trichloroethane	5.311	97	22072	5.560	ug/L	98
31) Carbon tetrachloride	5.315	117	1924	0.583	ug/L #	42
37) 1,2-Dichloropropane	6.694	63	16897	5.623	ug/L #	89
39) cis-1,3-Dichloropropene	7.565	75	3810	0.947	ug/L #	76
60) 1,2,3-Trichloropropane	11.809	75	13323	4.637	ug/L #	66

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



#5

Vinyl chloride

Concen: 4.007 ug/L

RT: 1.601 min Scan# 81

Delta R.T. 0.000 min

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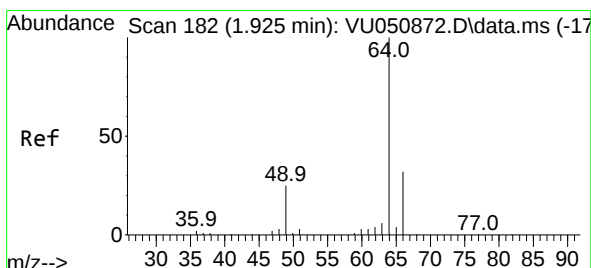
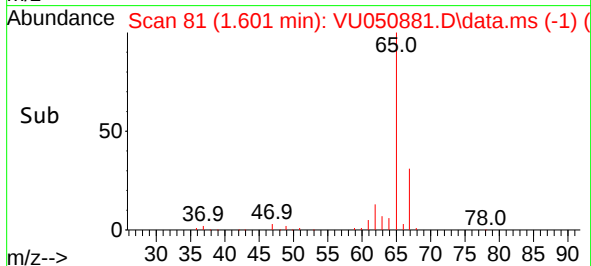
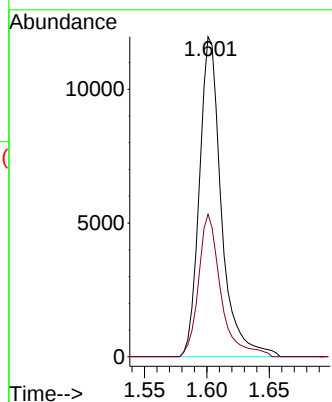
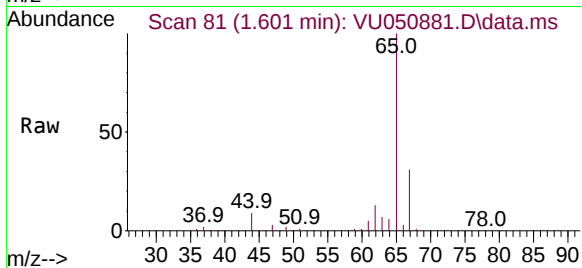
VIBLK135

Tgt Ion: 62 Resp: 14697

Ion Ratio Lower Upper

62 100

64 44.5 22.2 41.2#



#8

Chloroethane

Concen: 11.080 ug/L

RT: 1.926 min Scan# 182

Delta R.T. 0.000 min

Lab File: VU050881.D

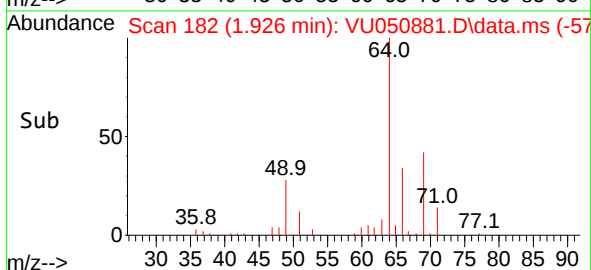
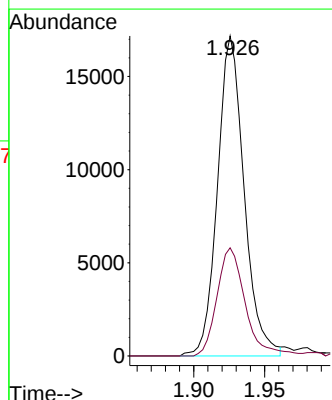
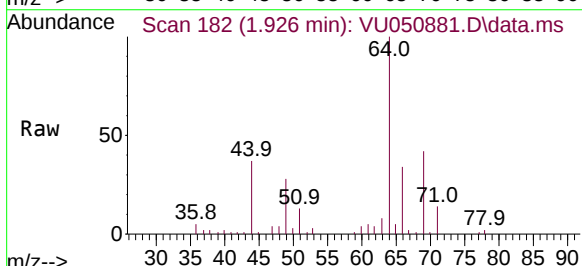
Acq: 21 Sep 2022 17:36

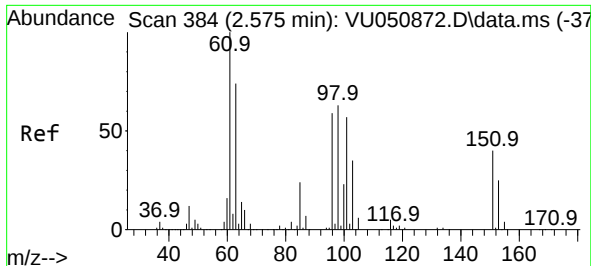
Tgt Ion: 64 Resp: 22503

Ion Ratio Lower Upper

64 100

66 35.9 22.9 42.5





#10

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

Concen: 0.603 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.013 min

Lab File: VU050881.D

Acq: 21 Sep 2022 17:36

Instrument :

MSVOA_U

ClientSampleId :

VIBLK135

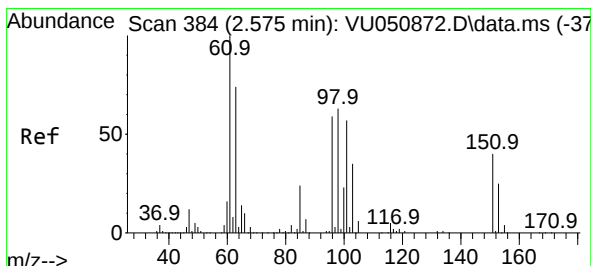
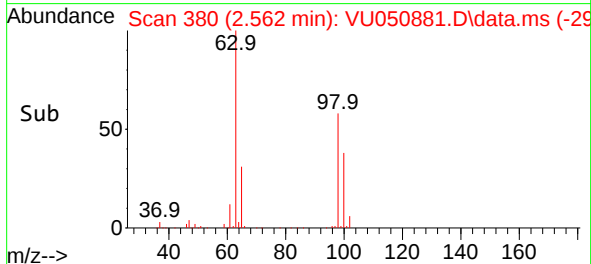
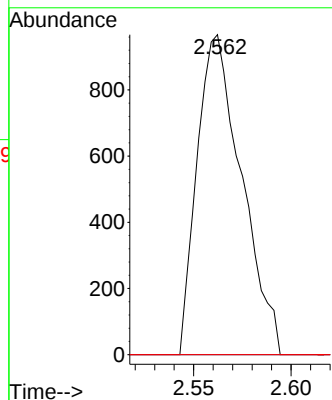
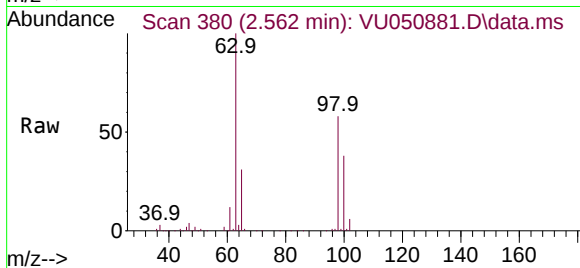
Tgt Ion:101 Resp: 1536

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: 0.794 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.013 min

Lab File: VU050881.D

Acq: 21 Sep 2022 17:36

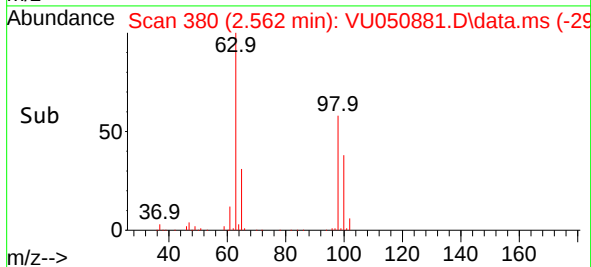
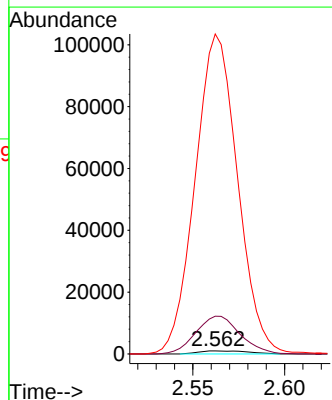
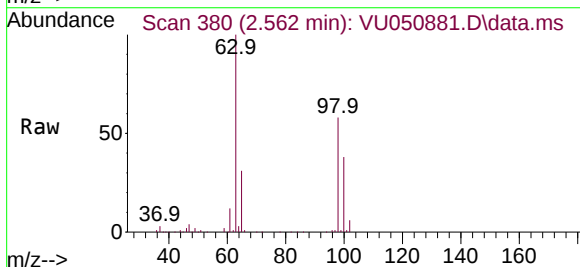
Tgt Ion: 96 Resp: 1899

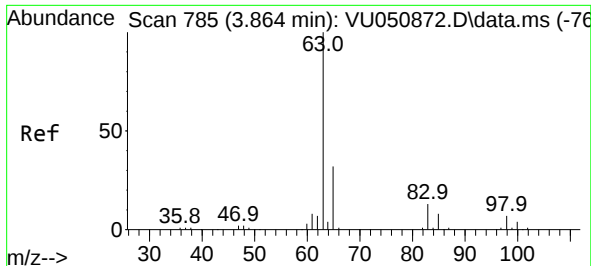
Ion Ratio Lower Upper

96 100

61 1212.0 118.6 220.2#

63 10248.7 90.4 168.0#





#19

1,1-Dichloroethane

Concen: 15.582 ug/L

RT: 3.868 min Scan# 7

Delta R.T. 0.004 min

Lab File: VU050881.D

Acq: 21 Sep 2022 17:36

Instrument :

MSVOA_U

ClientSampleId :

VIBLK135

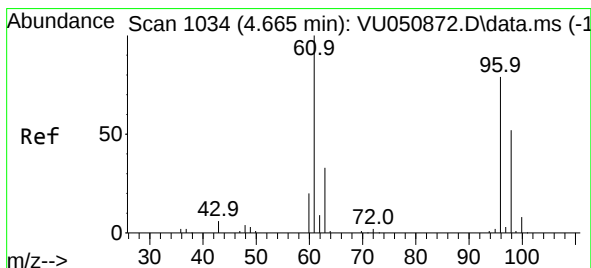
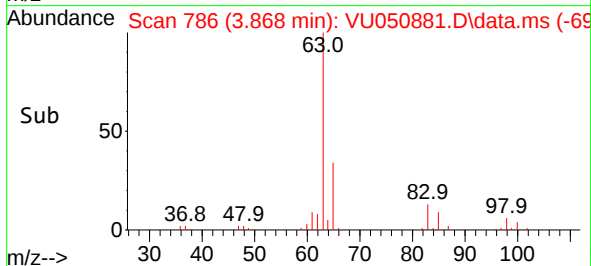
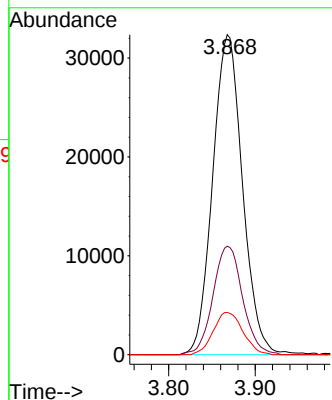
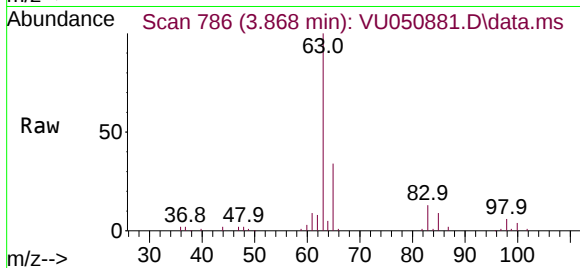
Tgt Ion: 63 Resp: 77219

Ion Ratio Lower Upper

63 100

65 33.9 21.5 39.9

83 13.2 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 12.760 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050881.D

Acq: 21 Sep 2022 17:36

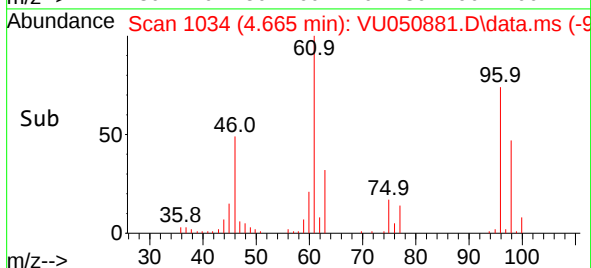
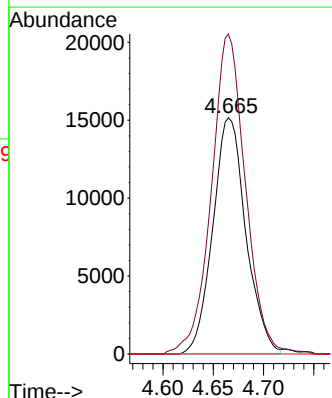
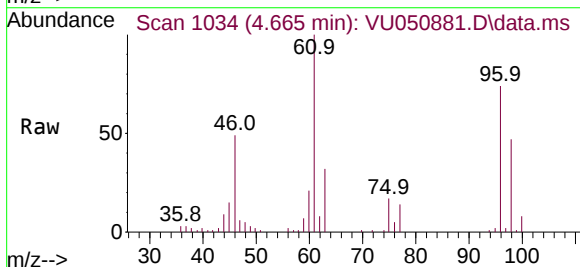
Tgt Ion: 96 Resp: 34701

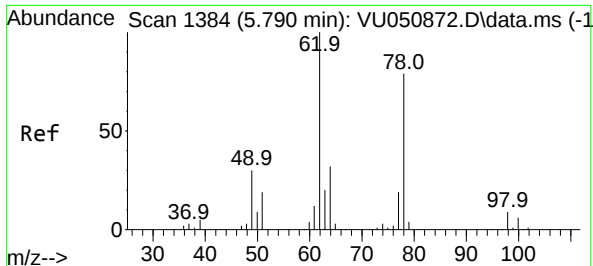
Ion Ratio Lower Upper

96 100

61 135.5 90.1 167.3

68 0.0 0.0 0.0

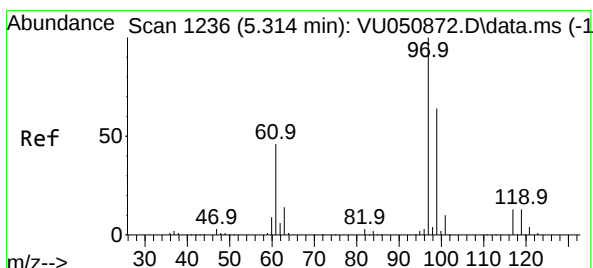
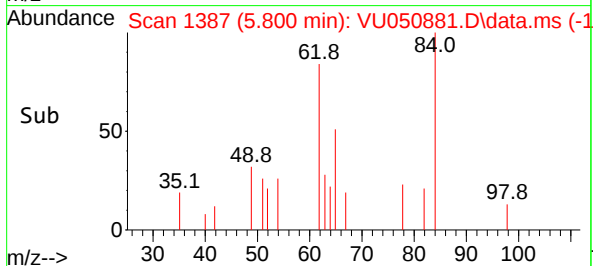
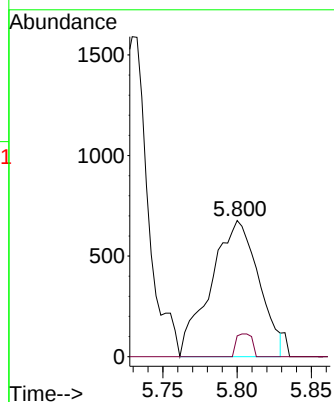
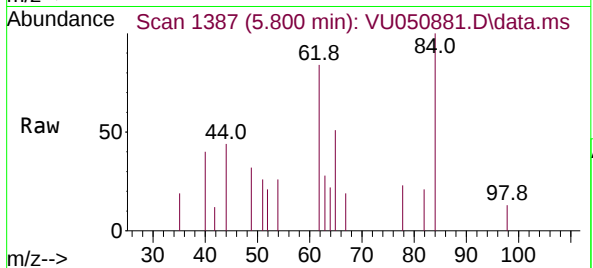




#27
1,2-Dichloroethane
Concen: 0.404 ug/L
RT: 5.800 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU050881.D
Acq: 21 Sep 2022 17:36

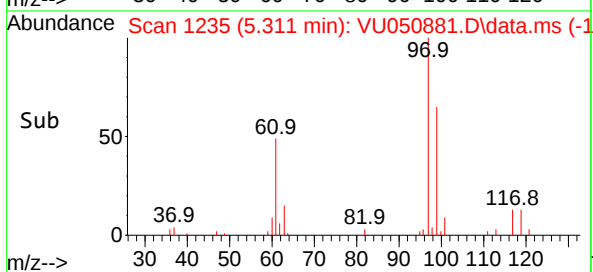
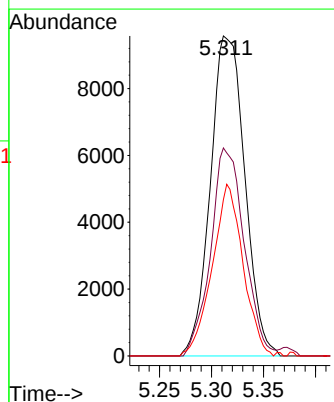
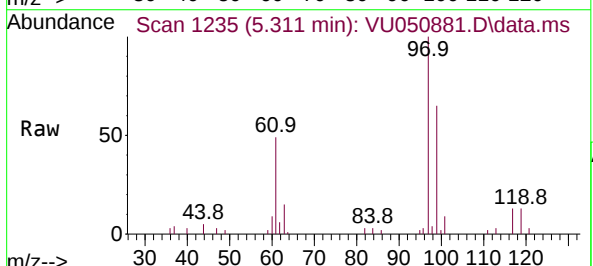
Instrument :
MSVOA_U
ClientSampleId :
VIBLK135

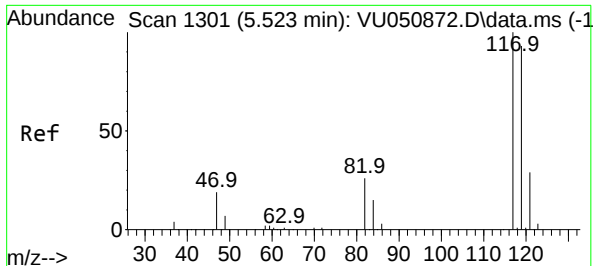
Tgt Ion: 62 Resp: 1518
Ion Ratio Lower Upper
62 100
98 15.2 7.4 11.0#



#30
1,1,1-Trichloroethane
Concen: 5.560 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VU050881.D
Acq: 21 Sep 2022 17:36

Tgt Ion: 97 Resp: 22072
Ion Ratio Lower Upper
97 100
99 63.3 52.2 78.2
61 48.0 37.1 55.7

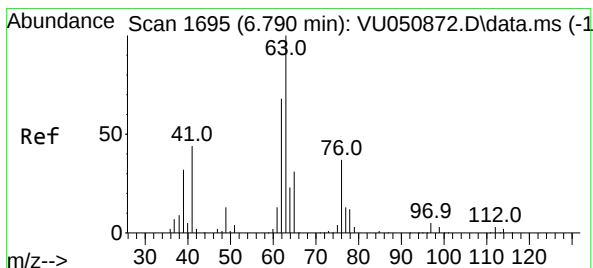
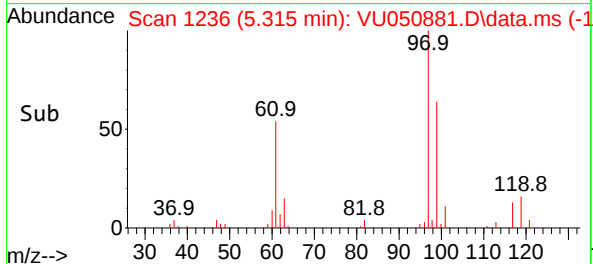
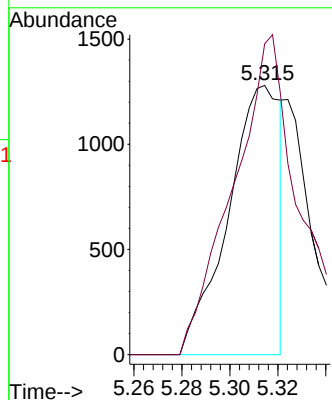
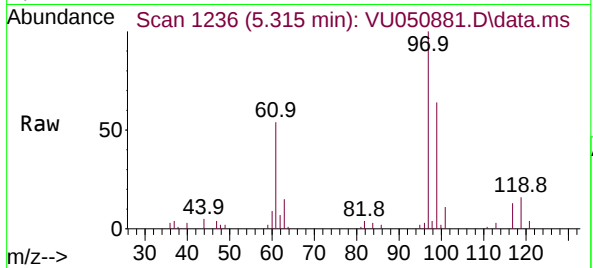




#31
Carbon tetrachloride
Concen: 0.583 ug/L
RT: 5.315 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU050881.D
Acq: 21 Sep 2022 17:36

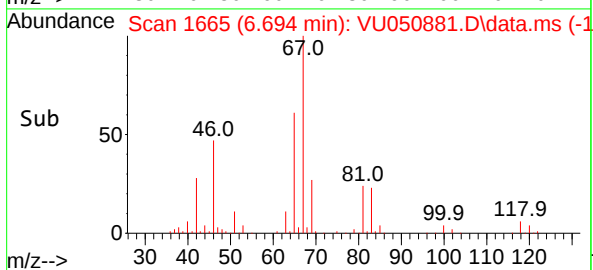
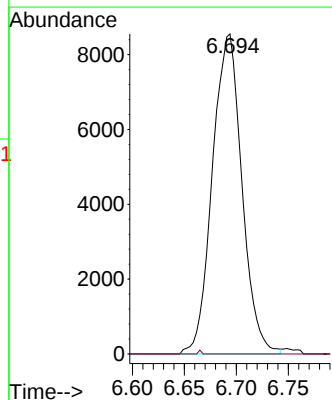
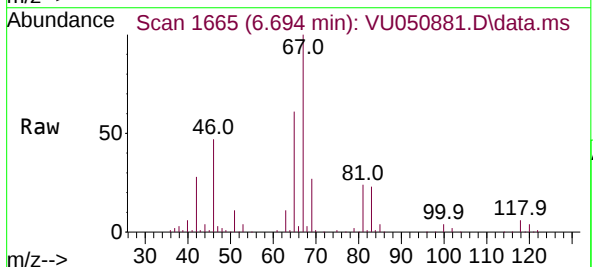
Instrument :
MSVOA_U
ClientSampleId :
VIBLK135

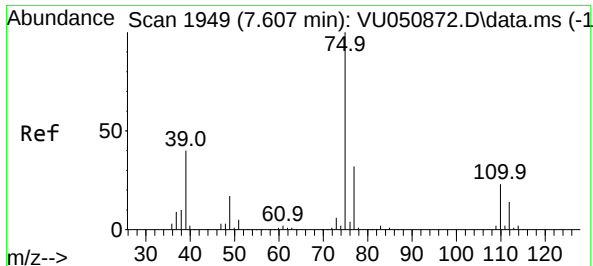
Tgt Ion:117 Resp: 1924
Ion Ratio Lower Upper
117 100
119 151.2 76.0 114.0#



#37
1,2-Dichloropropane
Concen: 5.623 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.096 min
Lab File: VU050881.D
Acq: 21 Sep 2022 17:36

Tgt Ion: 63 Resp: 16897
Ion Ratio Lower Upper
63 100
112 0.0 2.9 4.3#





#39

cis-1,3-Dichloropropene

Concen: 0.947 ug/L

RT: 7.565 min Scan# 19

Delta R.T. -0.041 min

Lab File: VU050881.D

Acq: 21 Sep 2022 17:36

Instrument :

MSVOA_U

ClientSampleId :

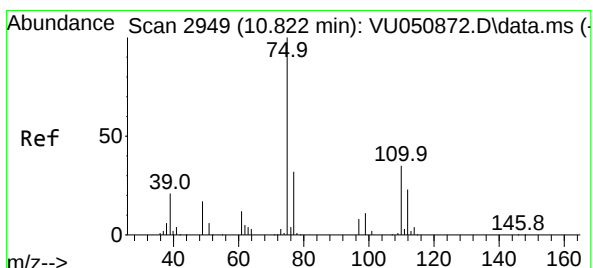
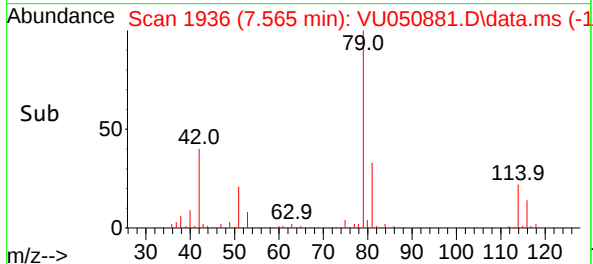
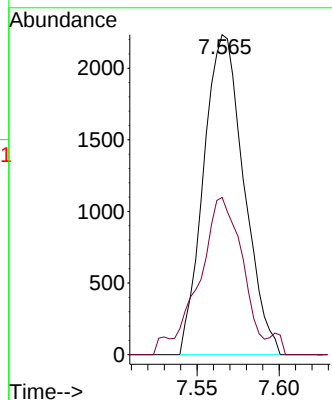
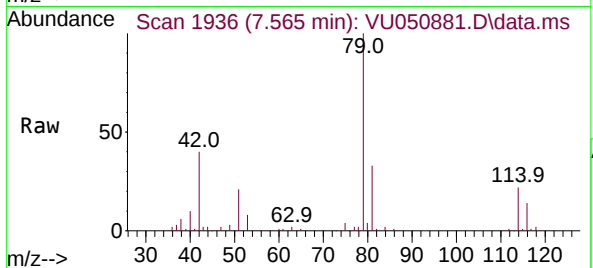
VIBLK135

Tgt Ion: 75 Resp: 3810

Ion Ratio Lower Upper

75 100

77 46.0 22.8 42.4#



#60

1,2,3-Trichloropropane

Concen: 4.637 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.987 min

Lab File: VU050881.D

Acq: 21 Sep 2022 17:36

Tgt Ion: 75 Resp: 13323

Ion Ratio Lower Upper

75 100

77 28.5 26.2 39.4

110 1.2 28.6 43.0#

