

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011723\
 Data File : VU052722.D
 Acq On : 17 Jan 2023 15:35
 Operator : JC/MD
 Sample : 01138-15 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 18 01:18:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 18 01:16:13 2023
 Response via : Initial Calibration

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

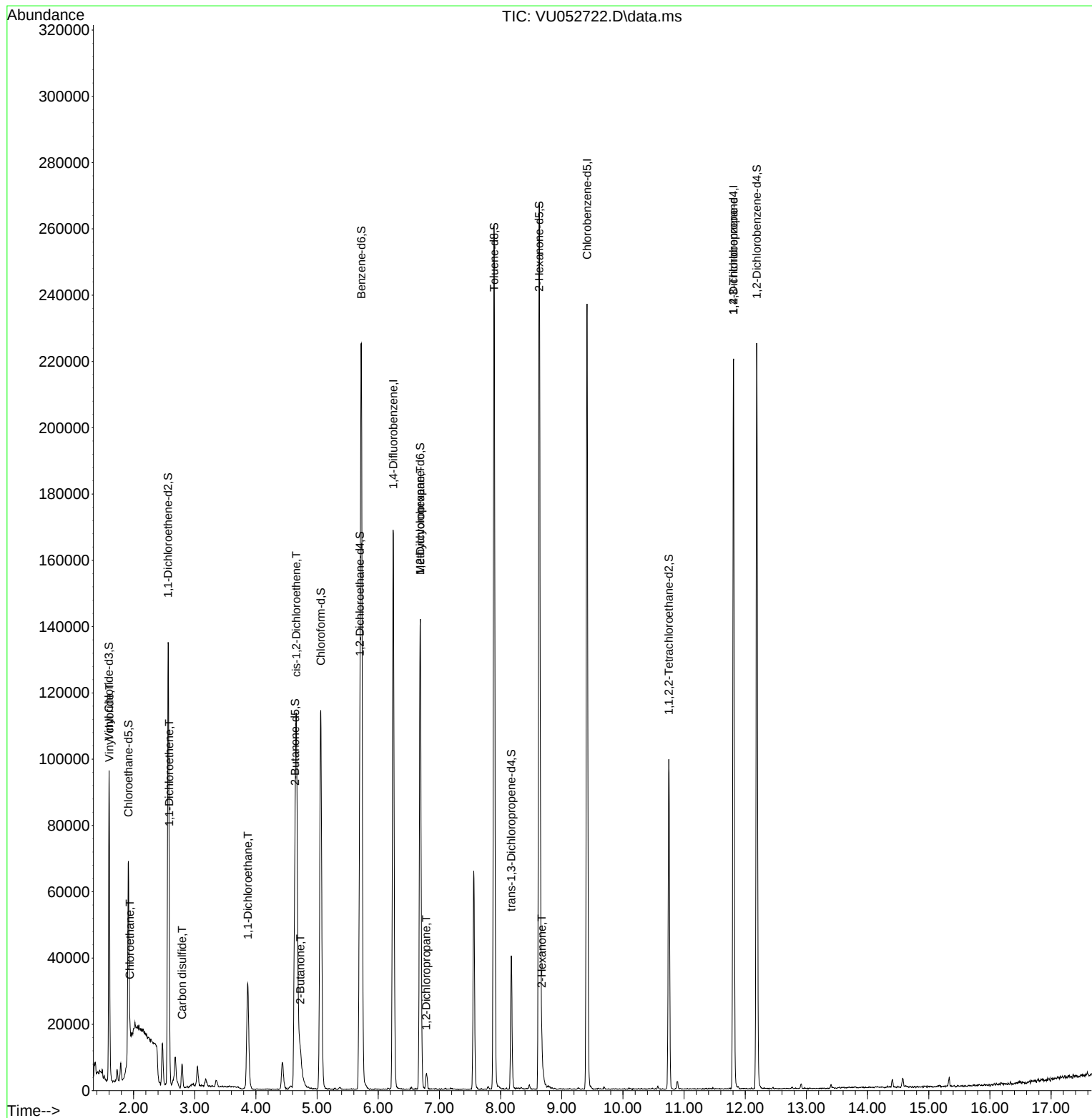
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	135544	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	132747	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	59490	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	50111	4.208	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.200%
7) Chloroethane-d5	1.916	69	44298	4.566	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.565	65	23957	4.568	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.400%
20) 2-Butanone-d5	4.639	46	125211	39.325	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.660%
24) Chloroform-d	5.060	84	108685	4.893	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	5.700	65	55642	4.878	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.723	84	213402	4.960	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
36) 1,2-Dichloropropane-d6	6.687	67	67577	4.713	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.200%
41) Toluene-d8	7.893	98	171090	4.510	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	8.176	79	22916	4.298	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.632	63	91114	41.137	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.280%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	48434	4.412	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	58961	5.444	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	21068	1.245	ug/L	91
8) Chloroethane	1.941	64	32047	3.115	ug/L #	62
12) 1,1-Dichloroethene	2.581	96	6481	0.551	ug/L #	1
14) Carbon disulfide	2.793	76	10081	0.248	ug/L	98
19) 1,1-Dichloroethane	3.867	63	35988	1.446	ug/L	98
21) 2-Butanone	4.726	43	15468	4.208	ug/L	99
22) cis-1,2-Dichloroethene	4.662	96	35938	2.792	ug/L	97
35) Methylcyclohexane	6.687	83	15831	0.771	ug/L #	15
37) 1,2-Dichloropropane	6.784	63	1819	0.129	ug/L	100
48) 2-Hexanone	8.674	43	3499	0.593	ug/L #	68
61) 1,2,3-Trichloropropane	11.809	75	6602	0.955	ug/L #	67

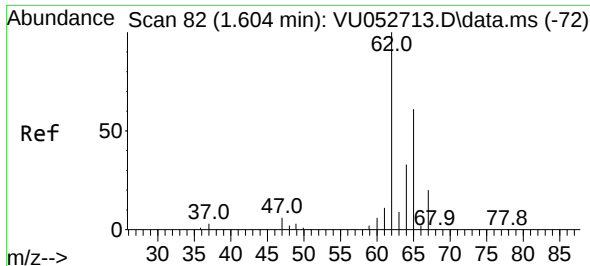
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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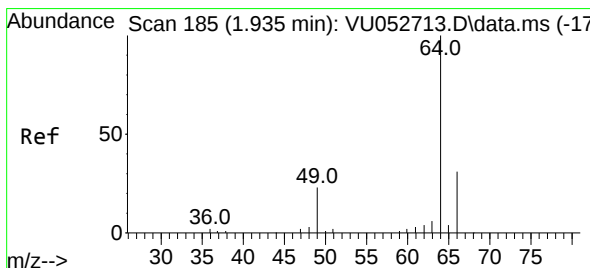
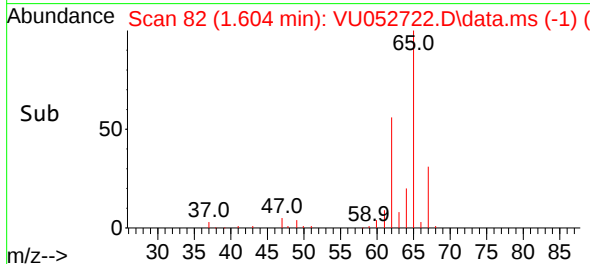
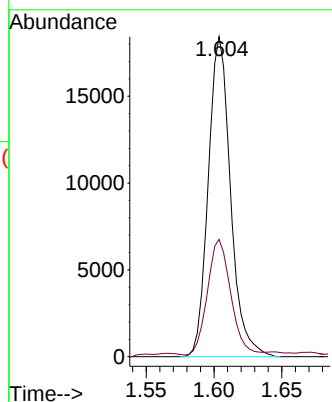
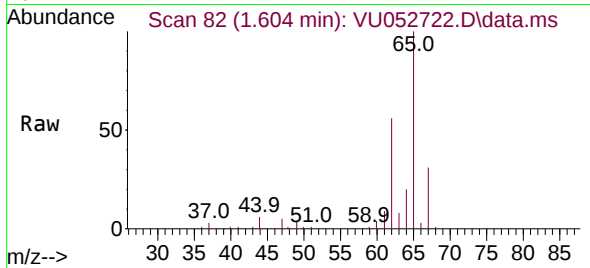




#5
 Vinyl chloride
 Concen: 1.245 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052722.D
 Acq: 17 Jan 2023 15:35

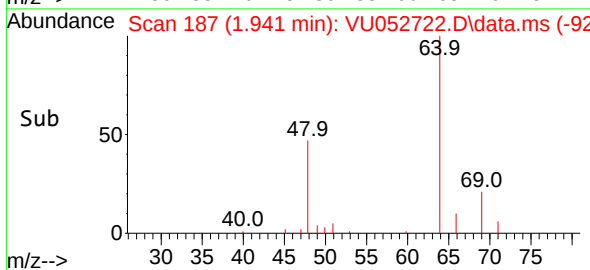
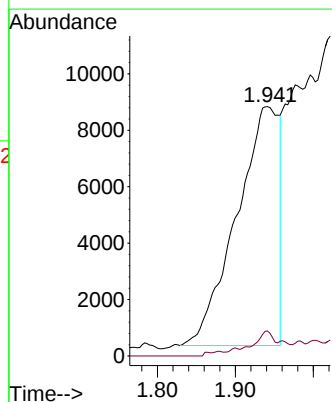
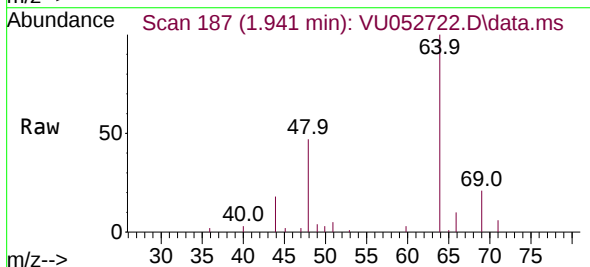
Instrument :
 MSVOA_U
 ClientSampleId :

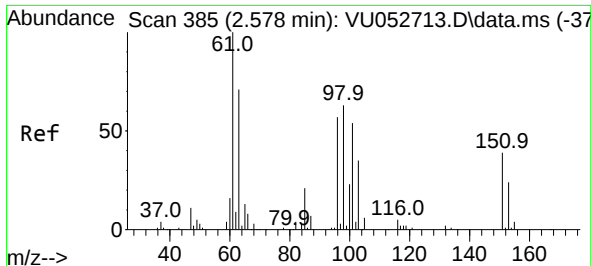
Tgt Ion: 62 Resp: 21068
 Ion Ratio Lower Upper
 62 100
 64 36.6 22.3 41.3



#8
 Chloroethane
 Concen: 3.115 ug/L
 RT: 1.941 min Scan# 187
 Delta R.T. 0.006 min
 Lab File: VU052722.D
 Acq: 17 Jan 2023 15:35

Tgt Ion: 64 Resp: 32047
 Ion Ratio Lower Upper
 64 100
 66 10.0 21.6 40.2#





#12

1,1-Dichloroethene

Concen: 0.551 ug/L

RT: 2.581 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU052722.D

Acq: 17 Jan 2023 15:35

Instrument :

MSVOA_U

ClientSampleId :

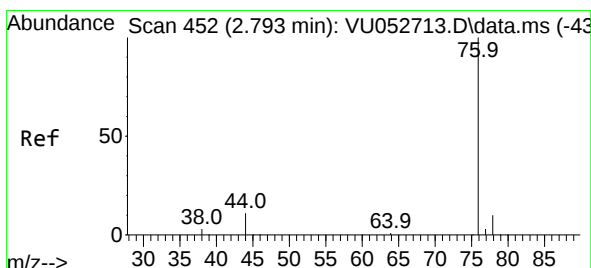
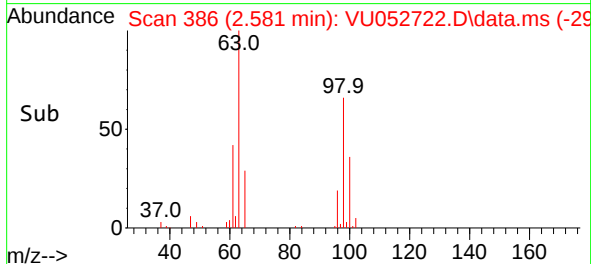
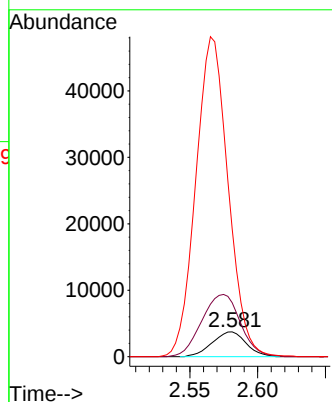
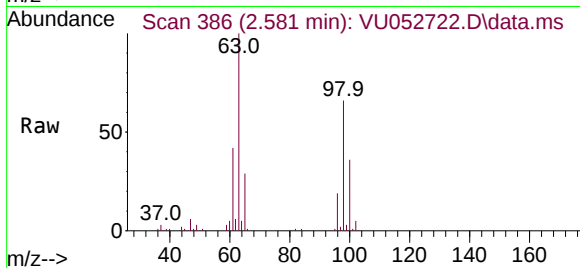
Tgt Ion: 96 Resp: 6481

Ion Ratio Lower Upper

96 100

61 217.9 129.6 240.8

63 516.2 83.7 155.5#



#14

Carbon disulfide

Concen: 0.248 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052722.D

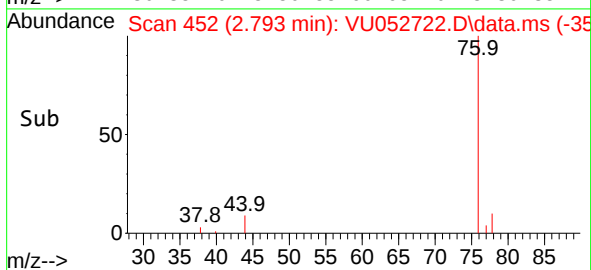
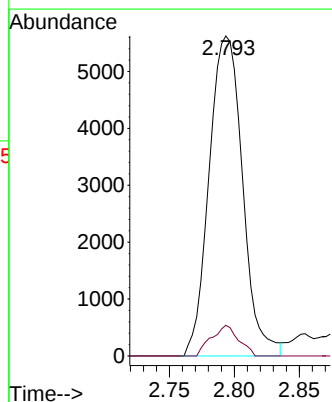
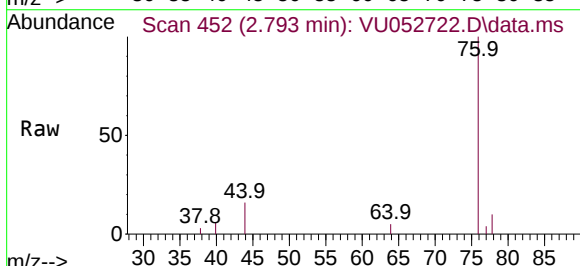
Acq: 17 Jan 2023 15:35

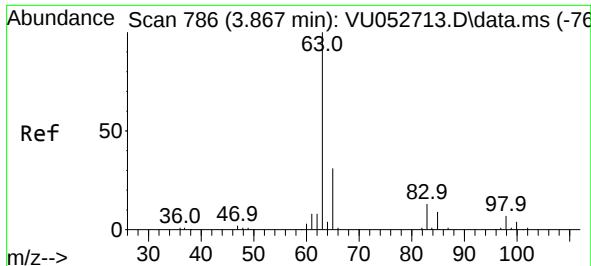
Tgt Ion: 76 Resp: 10081

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.6





#19

1,1-Dichloroethane

Concen: 1.446 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU052722.D

Acq: 17 Jan 2023 15:35

Instrument :

MSVOA_U

ClientSampleId :

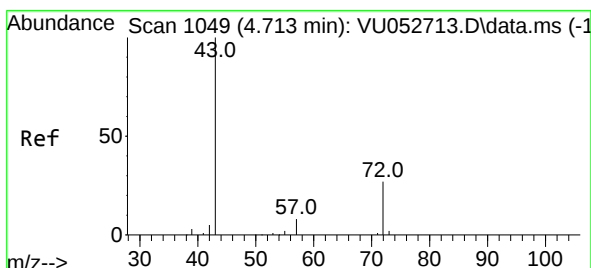
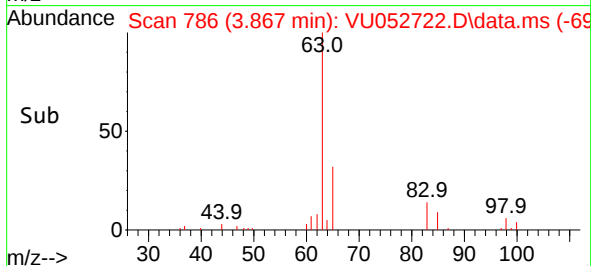
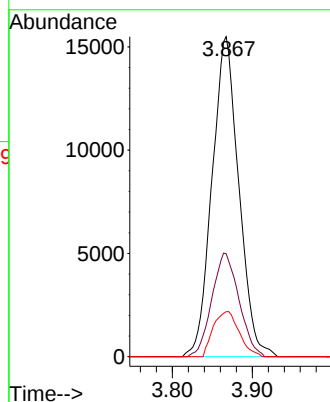
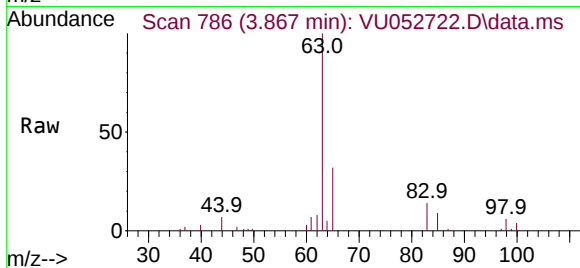
Tgt Ion: 63 Resp: 35988

Ion Ratio Lower Upper

63 100

65 32.2 22.0 41.0

83 14.1 8.9 16.5



#21

2-Butanone

Concen: 4.208 ug/L

RT: 4.726 min Scan# 1053

Delta R.T. 0.013 min

Lab File: VU052722.D

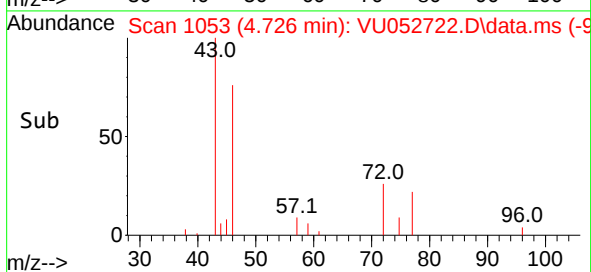
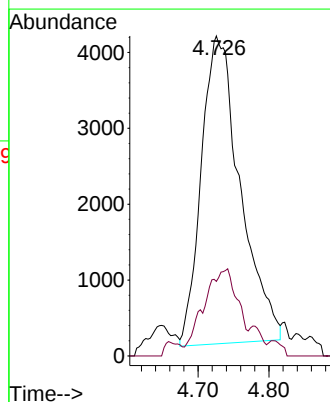
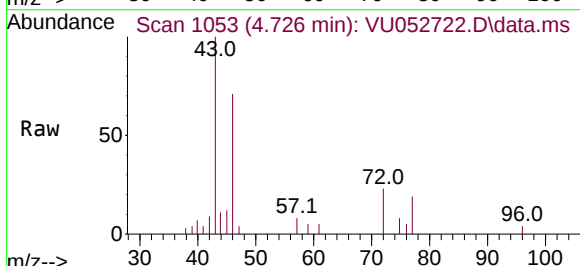
Acq: 17 Jan 2023 15:35

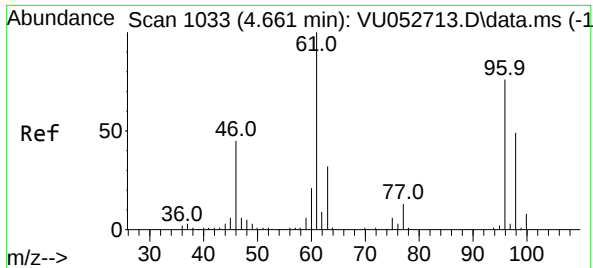
Tgt Ion: 43 Resp: 15468

Ion Ratio Lower Upper

43 100

72 25.1 12.9 38.6





#22

cis-1,2-Dichloroethene

Concen: 2.792 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU052722.D

Acq: 17 Jan 2023 15:35

Instrument :

MSVOA_U

ClientSampleId :

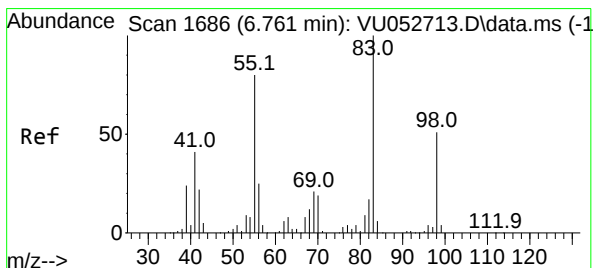
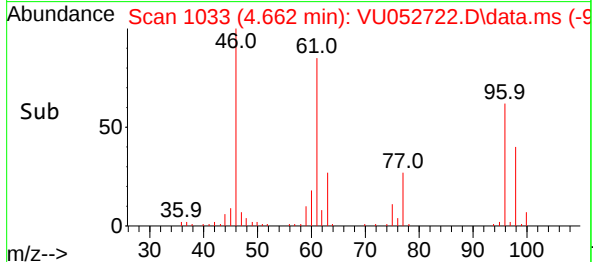
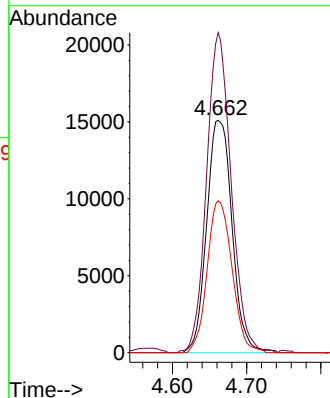
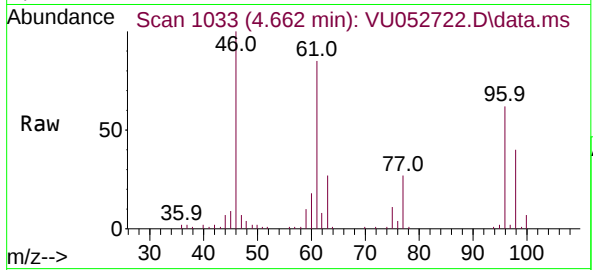
Tgt Ion: 96 Resp: 35938

Ion Ratio Lower Upper

96 100

61 137.7 94.6 175.8

98 65.4 43.3 80.3



#35

Methylcyclohexane

Concen: 0.771 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.074 min

Lab File: VU052722.D

Acq: 17 Jan 2023 15:35

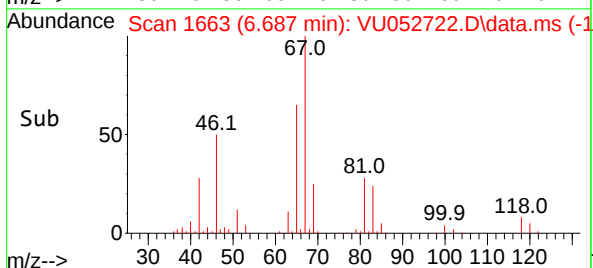
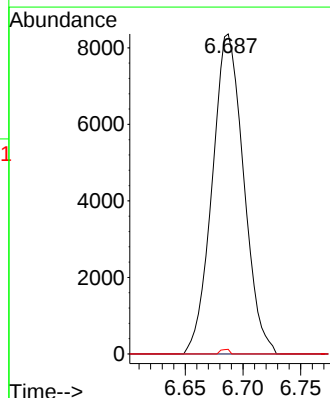
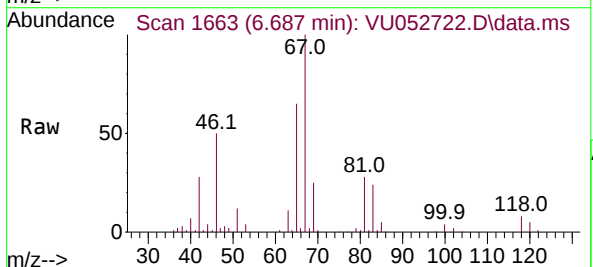
Tgt Ion: 83 Resp: 15831

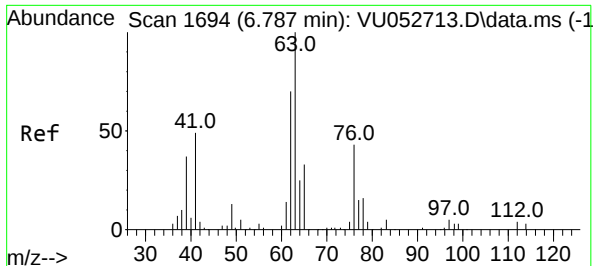
Ion Ratio Lower Upper

83 100

55 0.0 67.6 101.4#

98 0.4 37.1 55.7#

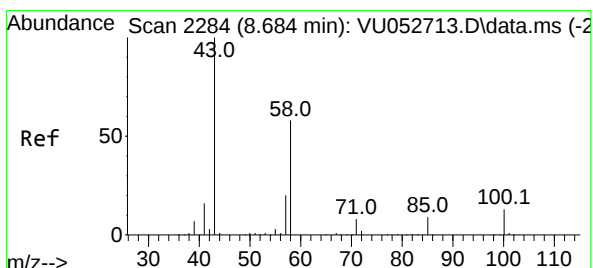
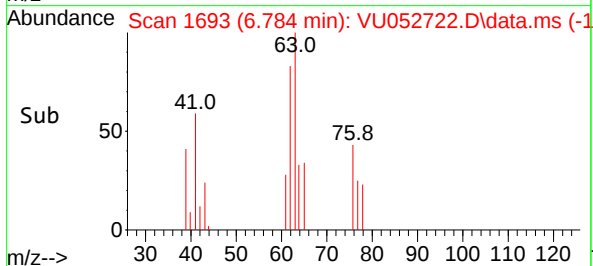
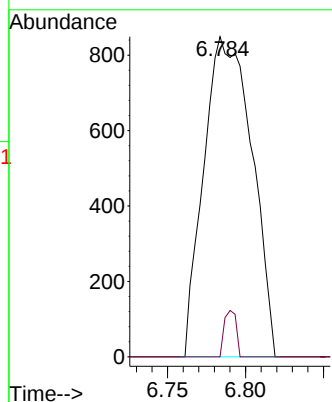
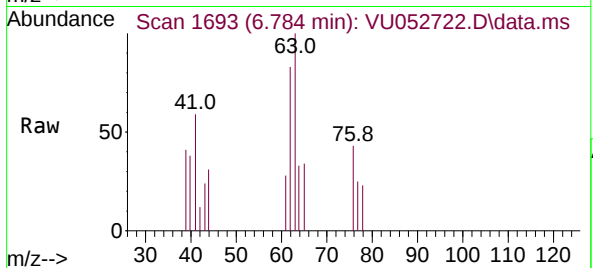




#37
1,2-Dichloropropane
Concen: 0.129 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052722.D
Acq: 17 Jan 2023 15:35

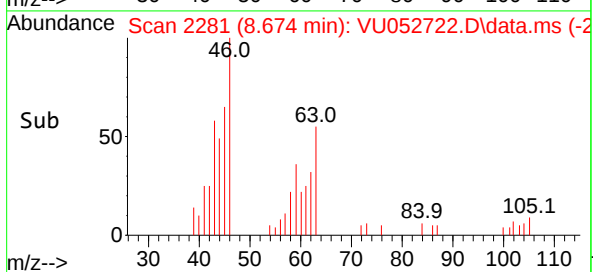
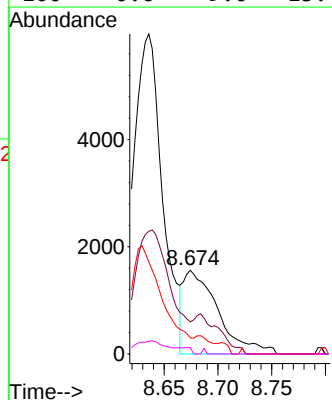
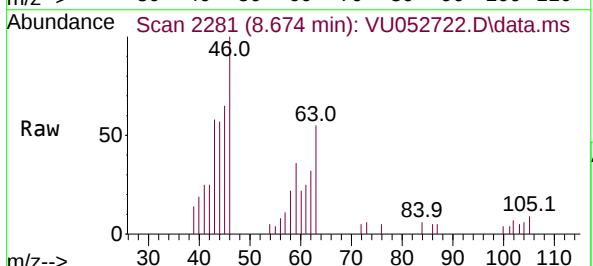
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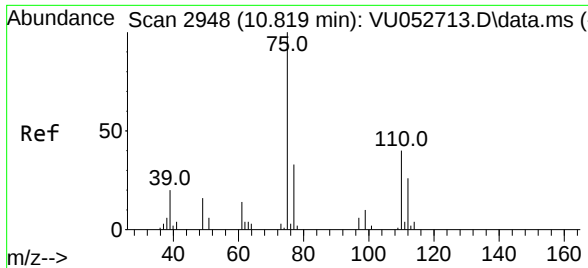
Tgt Ion: 63 Resp: 1819
Ion Ratio Lower Upper
63 100
112 3.6 2.9 4.3



#48
2-Hexanone
Concen: 0.593 ug/L
RT: 8.674 min Scan# 2281
Delta R.T. -0.010 min
Lab File: VU052722.D
Acq: 17 Jan 2023 15:35

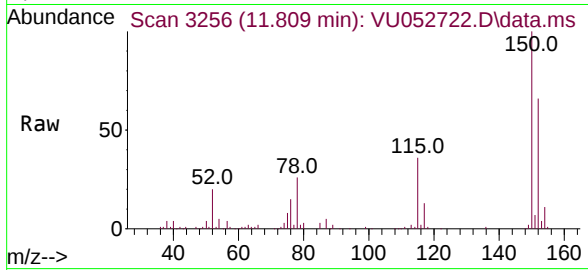
Tgt Ion: 43 Resp: 3499
Ion Ratio Lower Upper
43 100
58 35.1 45.1 67.7#
57 0.0 15.1 22.7#
100 0.6 9.0 13.4#





#61
 1,2,3-Trichloropropane
 Concen: 0.955 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU052722.D
 Acq: 17 Jan 2023 15:35

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75	Resp:	6602
Ion Ratio	Lower	Upper
75	100	
110	1.6	27.2 40.8#
77	33.3	24.0 36.0

