

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063023\
 Data File : VU054713.D
 Acq On : 30 Jun 2023 11:27
 Operator : MD/SY
 Sample : 03477-09DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA47DL

Quant Time: Jul 03 06:43:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jul 03 06:42:02 2023
 Response via : Initial Calibration

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

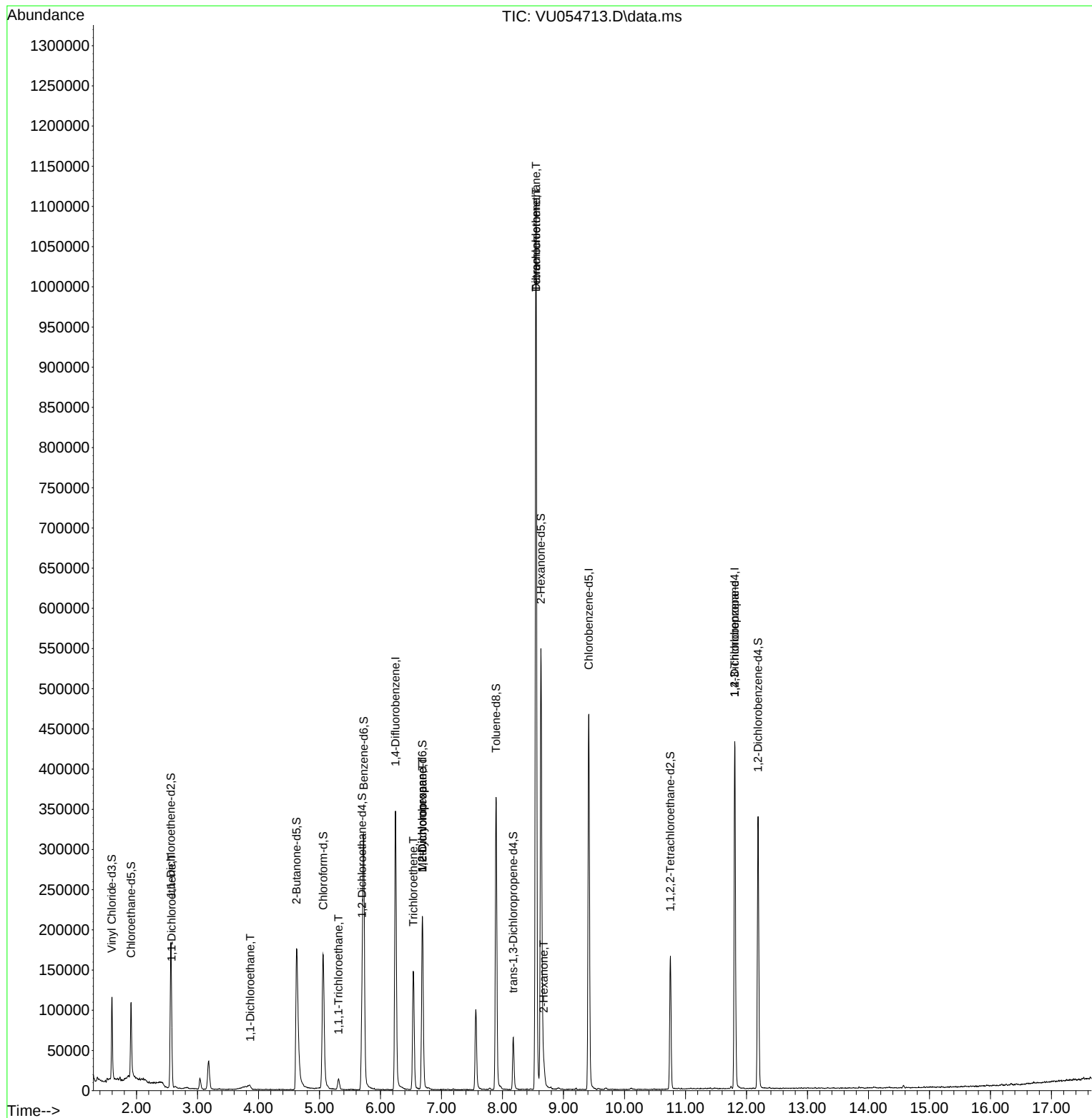
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	271479	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	267125	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	114034	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	80737	4.673	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.400%
7) Chloroethane-d5	1.911	69	71281	4.407	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	2.563	65	31856	4.128	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.600%
20) 2-Butanone-d5	4.624	46	269736	55.528	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.060%
24) Chloroform-d	5.058	84	156143	4.324	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
26) 1,2-Dichloroethane-d4	5.698	65	81581	4.634	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.724	84	292118	3.934	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
36) 1,2-Dichloropropane-d6	6.685	67	108360	4.370	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.894	98	247060	3.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.000%
43) trans-1,3-Dichloroprop...	8.177	79	37978	4.404	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.000%
46) 2-Hexanone-d5	8.631	63	178890	49.446	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.900%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86435	4.674	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	87977	4.574	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.400%
Target Compounds						
12) 1,1-Dichloroethene	2.576	96	9471	0.481	ug/L #	1
19) 1,1-Dichloroethane	3.865	63	3921	0.093	ug/L	92
29) 1,1,1-Trichloroethane	5.312	97	9461	0.261	ug/L	96
34) Trichloroethene	6.537	95	52015	2.049	ug/L	96
35) Methylcyclohexane	6.685	83	23801	0.620	ug/L #	16
37) 1,2-Dichloropropane	6.685	63	11449	0.441	ug/L #	90
47) Tetrachloroethene	8.550	164	243468	12.529	ug/L	98
48) 2-Hexanone	8.676	43	9341	0.905	ug/L #	83
49) Dibromochloromethane	8.550	129	232833	13.428	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	15247	1.323	ug/L #	70

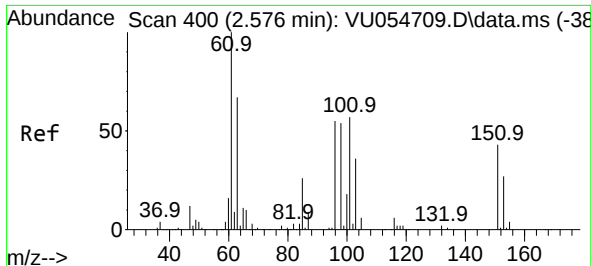
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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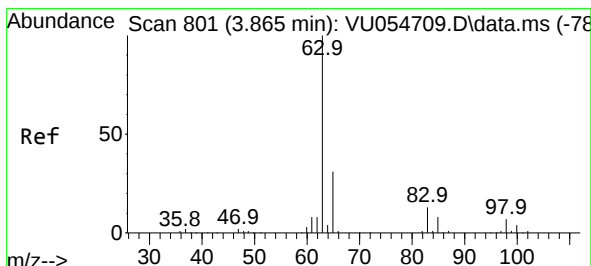
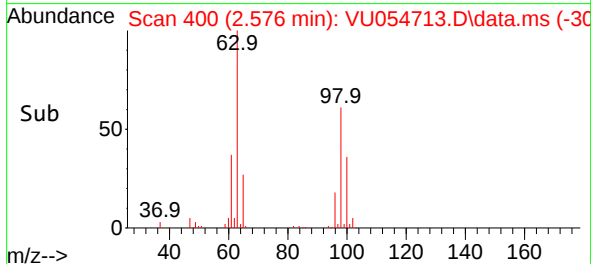
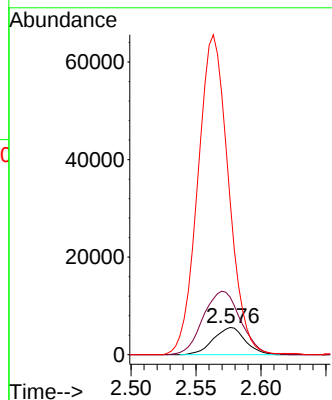
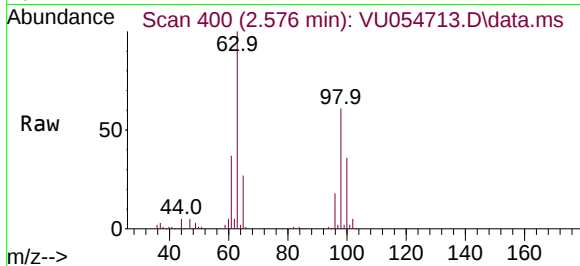




#12
 1,1-Dichloroethene
 Concen: 0.481 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU054713.D
 Acq: 30 Jun 2023 11:27

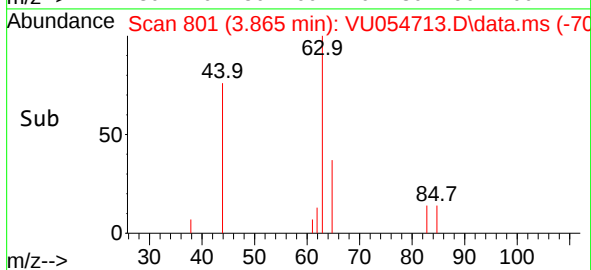
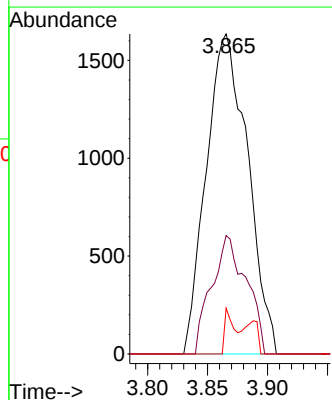
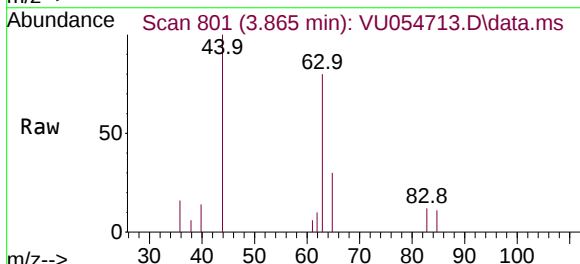
Instrument :
 MSVOA_U
 ClientSampleId :
 HOA47DL

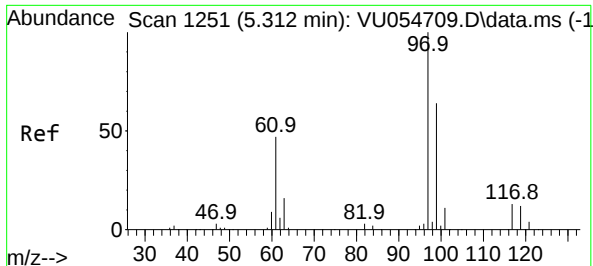
Tgt Ion: 96 Resp: 9471
 Ion Ratio Lower Upper
 96 100
 61 211.4 119.9 222.7
 63 564.8 64.3 119.3#



#19
 1,1-Dichloroethane
 Concen: 0.093 ug/L
 RT: 3.865 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: VU054713.D
 Acq: 30 Jun 2023 11:27

Tgt Ion: 63 Resp: 3921
 Ion Ratio Lower Upper
 63 100
 65 37.0 22.2 41.2
 83 14.3 9.0 16.6

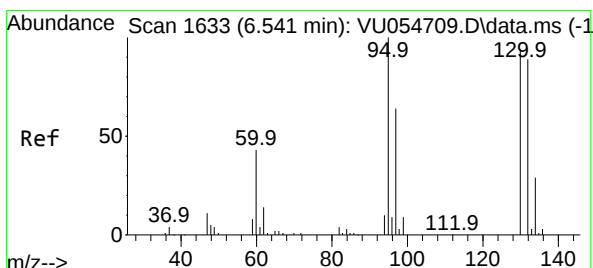
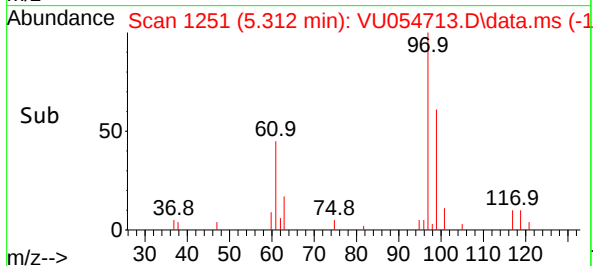
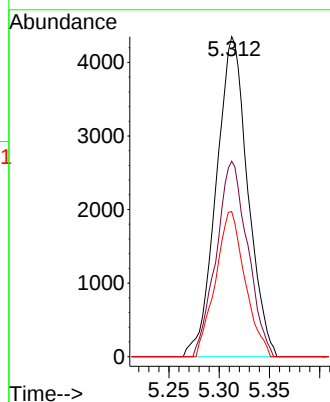
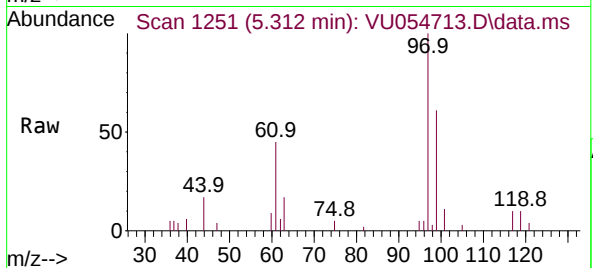




#29
1,1,1-Trichloroethane
Concen: 0.261 ug/L
RT: 5.312 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054713.D
Acq: 30 Jun 2023 11:27

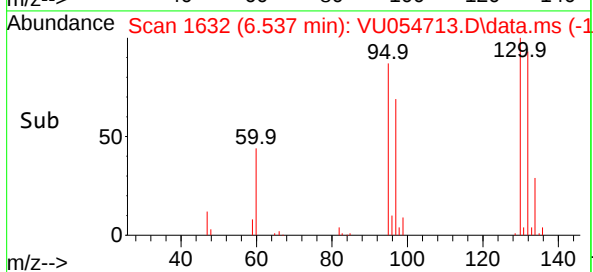
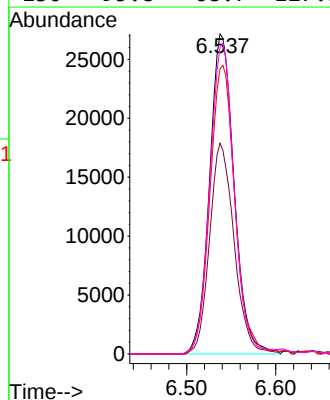
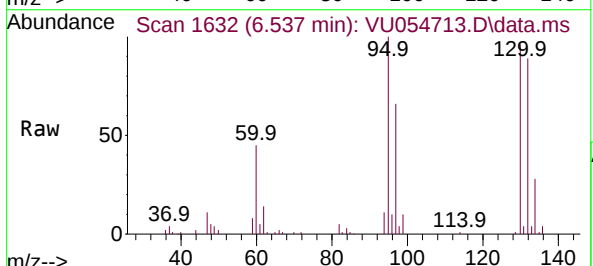
Instrument :
MSVOA_U
ClientSampleId :
HOA47DL

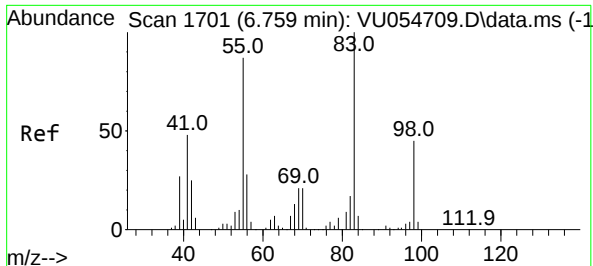
Tgt Ion: 97	Resp:	9461
Ion	Ratio	Lower Upper
97	100	
99	60.9	50.8 76.2
61	42.4	36.1 54.1



#34
Trichloroethene
Concen: 2.049 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU054713.D
Acq: 30 Jun 2023 11:27

Tgt Ion: 95	Resp:	52015
Ion	Ratio	Lower Upper
95	100	
97	65.9	46.8 87.0
132	89.1	68.4 127.0
130	95.8	68.7 127.5





#35

Methylcyclohexane

Concen: 0.620 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU054713.D

Acq: 30 Jun 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

HOA47DL

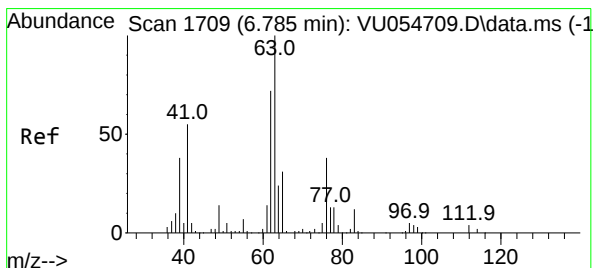
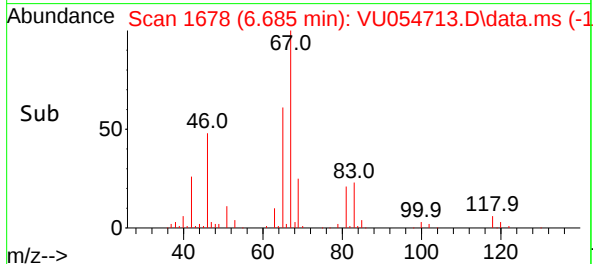
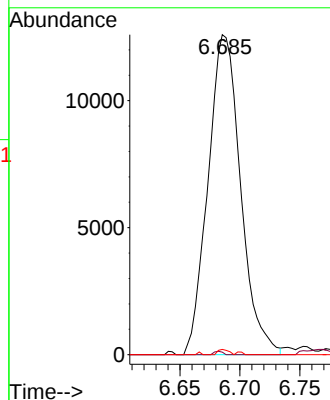
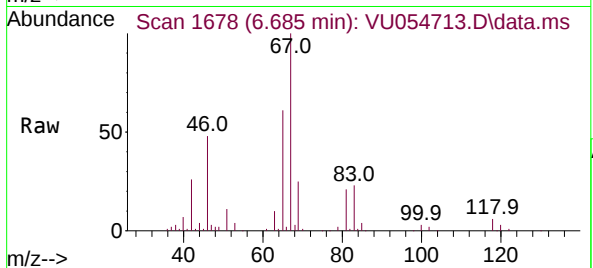
Tgt Ion: 83 Resp: 23801

Ion Ratio Lower Upper

83 100

55 0.3 67.1 100.7#

98 0.5 35.1 52.7#



#37

1,2-Dichloropropane

Concen: 0.441 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.100 min

Lab File: VU054713.D

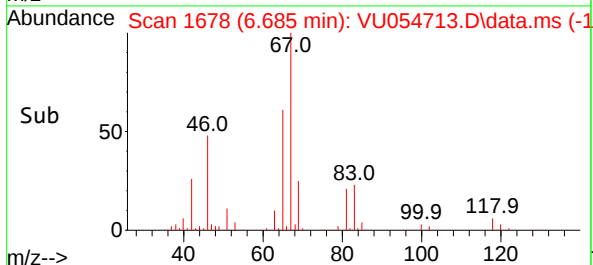
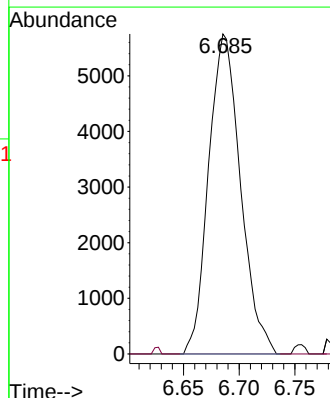
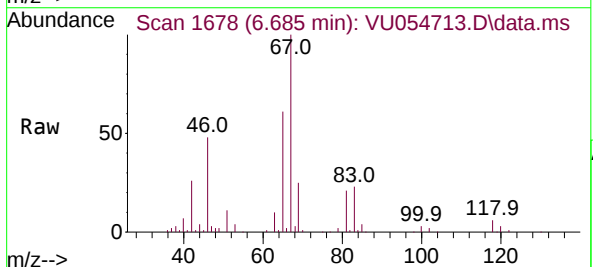
Acq: 30 Jun 2023 11:27

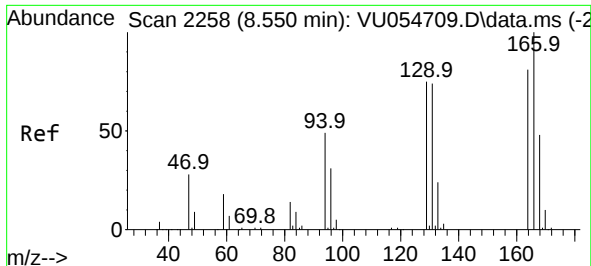
Tgt Ion: 63 Resp: 11449

Ion Ratio Lower Upper

63 100

112 0.4 3.0 4.6#





#47

Tetrachloroethene

Concen: 12.529 ug/L

RT: 8.550 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054713.D

Acq: 30 Jun 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

HOA47DL

Tgt Ion:164 Resp: 243468

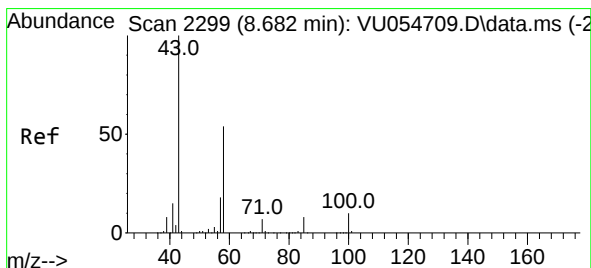
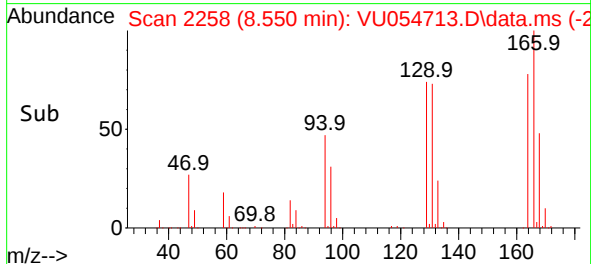
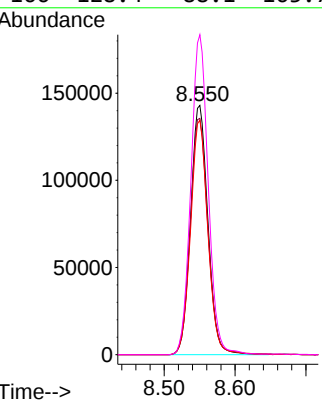
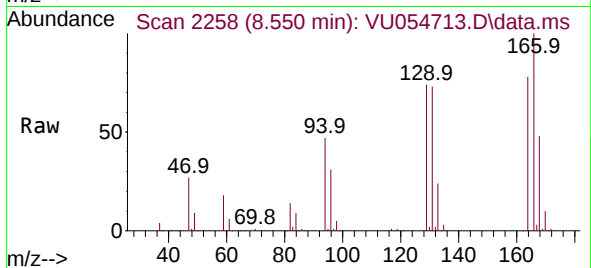
Ion Ratio Lower Upper

164 100

129 94.8 67.7 125.7

131 94.1 64.6 120.0

166 128.4 88.1 163.7



#48

2-Hexanone

Concen: 0.905 ug/L

RT: 8.676 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VU054713.D

Acq: 30 Jun 2023 11:27

Tgt Ion: 43 Resp: 9341

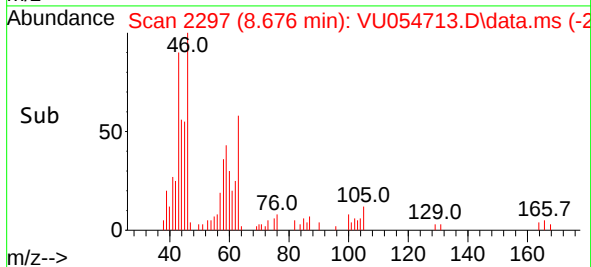
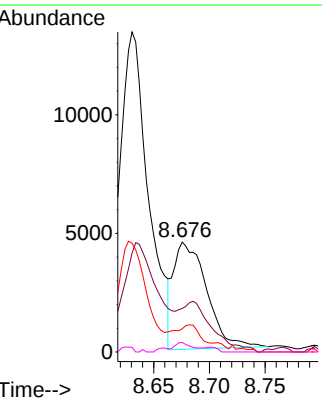
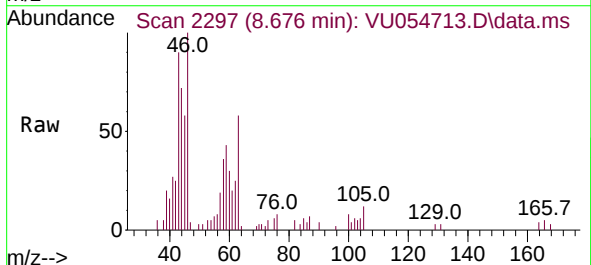
Ion Ratio Lower Upper

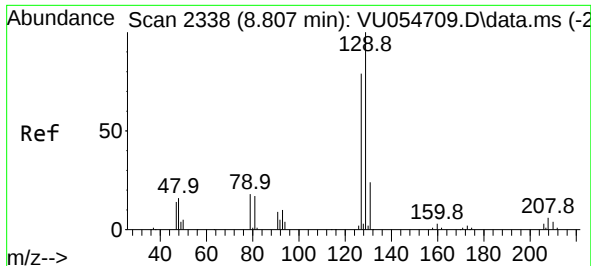
43 100

58 42.1 45.2 67.8#

57 14.9 15.8 23.6#

100 5.9 8.7 13.1#





#49

Dibromochloromethane

Concen: 13.428 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU054713.D

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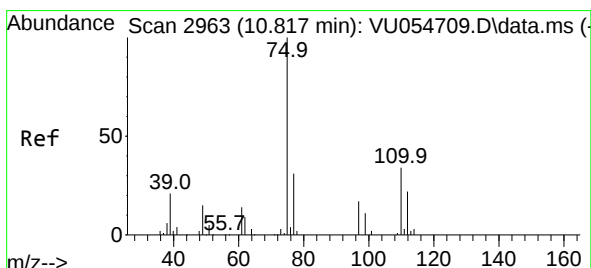
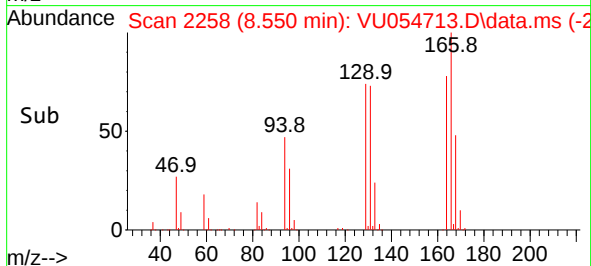
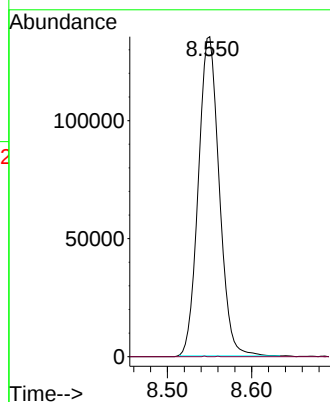
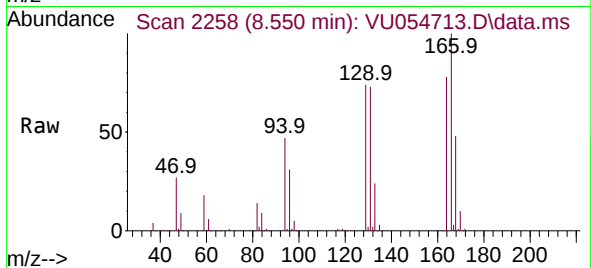
HOA47DL

Tgt Ion:129 Resp: 232833

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#



#61

1,2,3-Trichloropropane

Concen: 1.323 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU054713.D

Acq: 30 Jun 2023 11:27

Tgt Ion: 75 Resp: 15247

Ion Ratio Lower Upper

75 100

110 3.0 28.0 42.0#

77 30.5 25.4 38.2

