

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055243.D
 Acq On : 12 Sep 2023 13:12
 Operator : MD/SY
 Sample : 04307-19DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 13 01:45:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 13 01:44:08 2023
 Response via : Initial Calibration

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

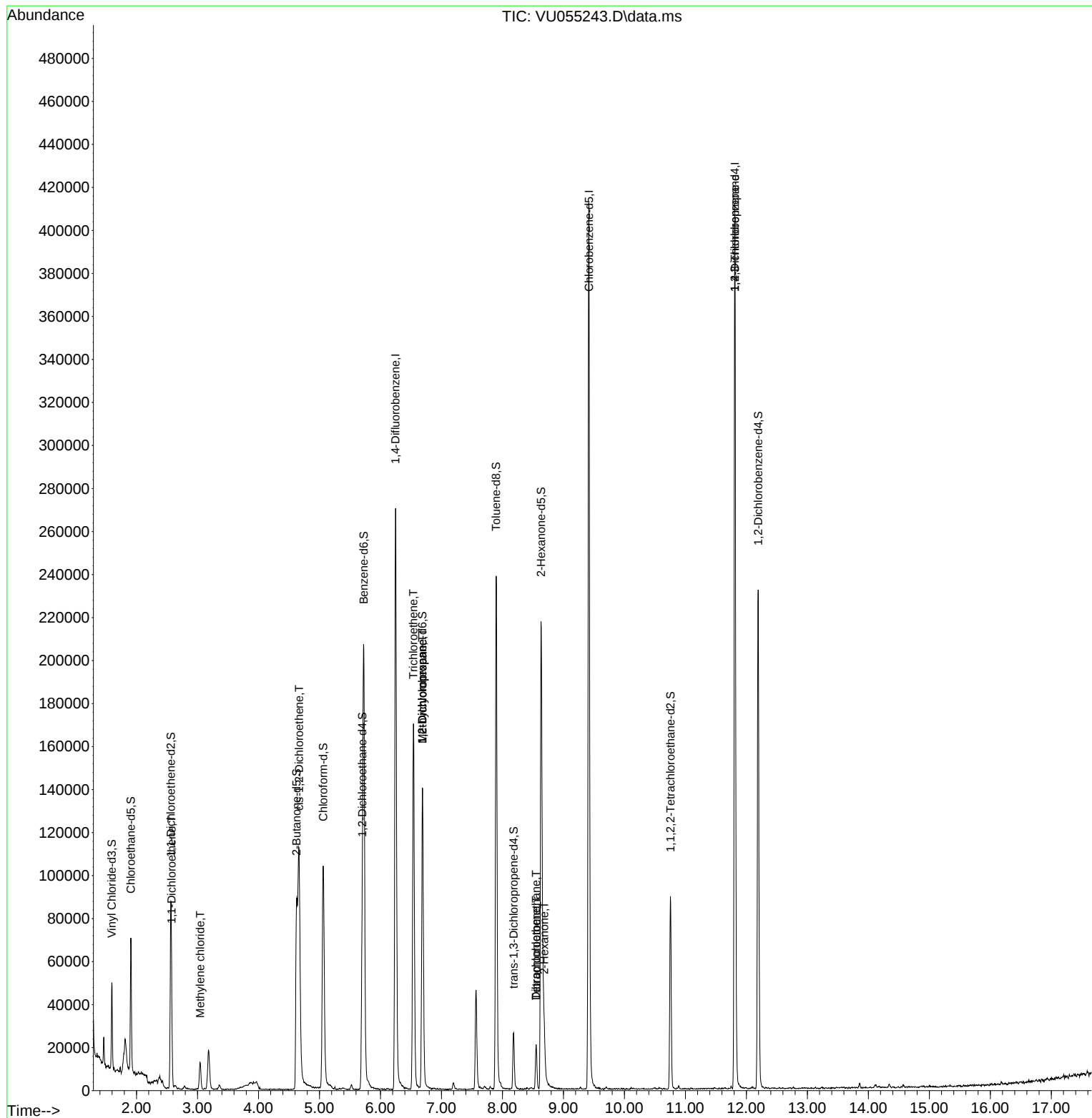
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	221067	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	230026	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	107085	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	28292	2.731	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	54.600%
7) Chloroethane-d5	1.907	69	43960	3.665	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.400%
11) 1,1-Dichloroethene-d2	2.563	65	15378	2.605	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.000%#
20) 2-Butanone-d5	4.624	46	112628	37.459	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.920%
24) Chloroform-d	5.062	84	96691	3.517	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.400%
26) 1,2-Dichloroethane-d4	5.701	65	52752	3.835	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.800%
32) Benzene-d6	5.727	84	193996	3.417	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.400%#
36) 1,2-Dichloropropane-d6	6.689	67	67704	3.749	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.000%
41) Toluene-d8	7.898	98	162546	3.108	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	62.200%#
43) trans-1,3-Dichloroprop...	8.184	79	14918	3.000	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	60.000%
46) 2-Hexanone-d5	8.634	63	69932	34.636	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.280%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	44772	3.525	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	70.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	61006	3.903	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.000%#
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.576	96	4557	0.446	ug/L #	1
16) Methylene chloride	3.042	84	5920	0.379	ug/L	88
22) cis-1,2-Dichloroethene	4.666	96	50752	3.998	ug/L	87
34) Trichloroethene	6.541	95	58584	4.306	ug/L	97
35) Methylcyclohexane	6.689	83	15712	0.823	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	7554	0.567	ug/L #	88
47) Tetrachloroethene	8.553	164	4517	0.480	ug/L	94
48) 2-Hexanone	8.685	43	16390	2.752	ug/L #	85
49) Dibromochloromethane	8.553	129	4350	0.444	ug/L #	9
61) 1,2,3-Trichloropropane	11.811	75	14664	2.064	ug/L #	69

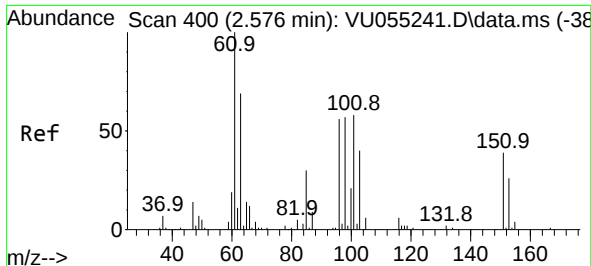
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.446 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

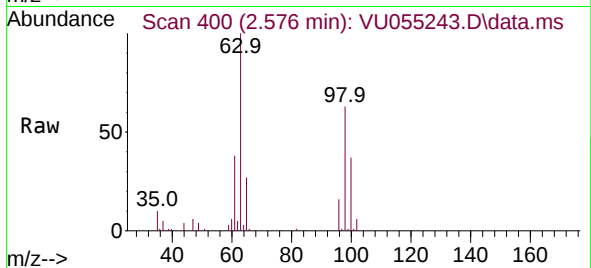
Lab File: VU055243.D

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Instrument :

MSVOA_U

ClientSampleId :



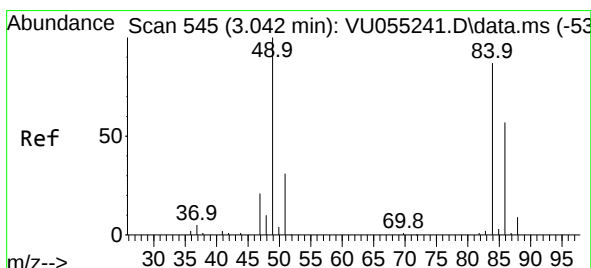
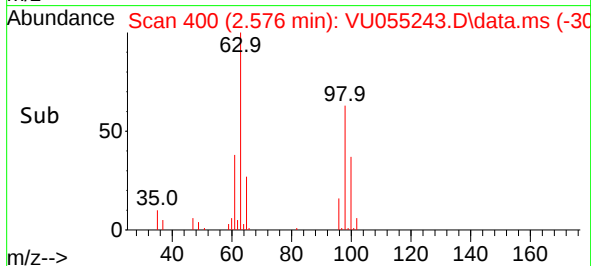
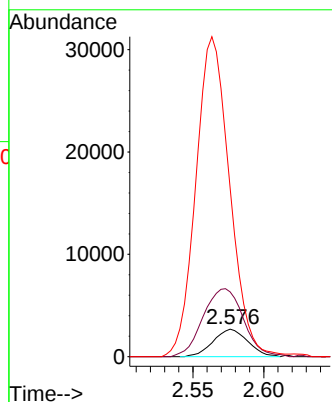
Tgt Ion: 96 Resp: 4557

Ion Ratio Lower Upper

96 100

61 235.3 120.8 224.4#

63 614.0 94.5 175.5#



#16

Methylene chloride

Concen: 0.379 ug/L

RT: 3.042 min Scan# 545

Delta R.T. -0.000 min

Lab File: VU055243.D

Acq: 12 Sep 2023 13:12

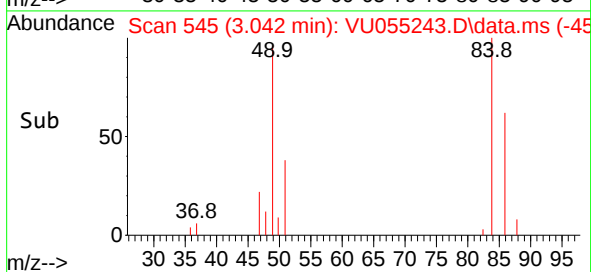
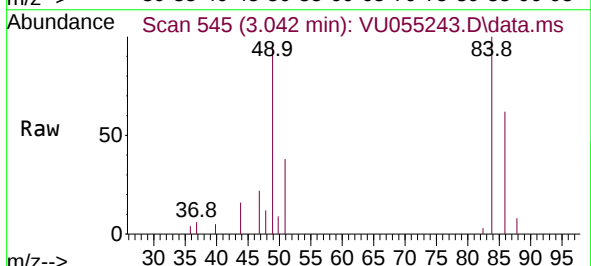
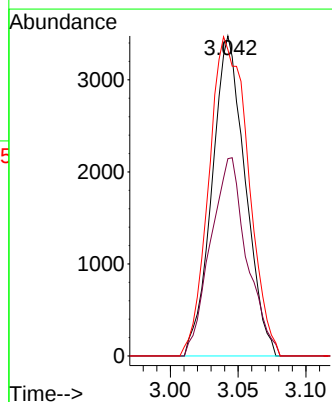
Tgt Ion: 84 Resp: 5920

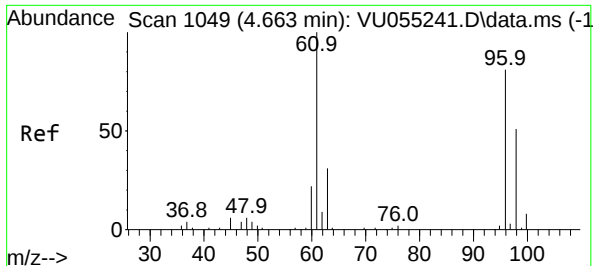
Ion Ratio Lower Upper

84 100

86 61.7 43.4 80.6

49 104.4 87.7 162.9





#22

cis-1,2-Dichloroethene

Concen: 3.998 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU055243.D

Acq: 12 Sep 2023 13:12

Instrument :

MSVOA_U

ClientSampleId :

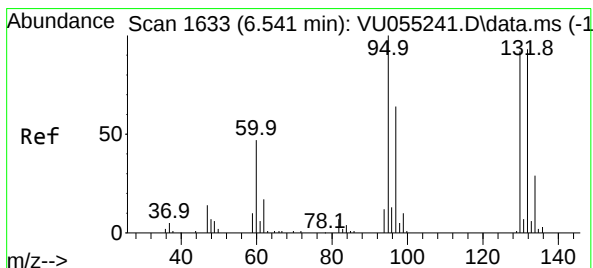
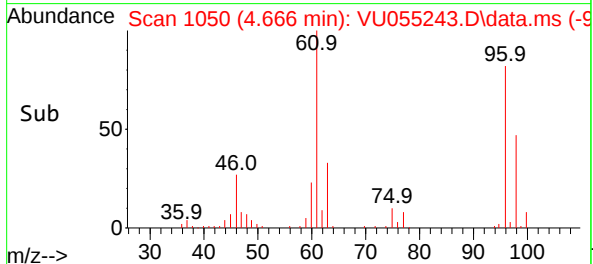
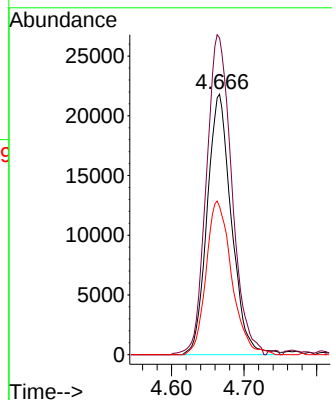
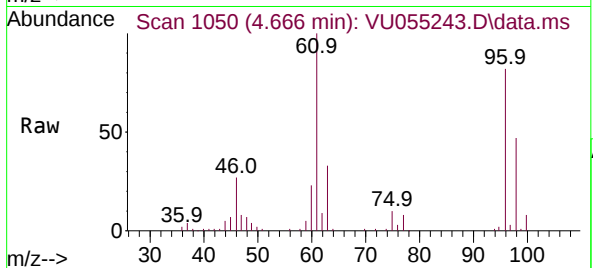
Tgt Ion: 96 Resp: 50752

Ion Ratio Lower Upper

96 100

61 121.6 97.2 180.4

98 56.9 46.1 85.7



#34

Trichloroethene

Concen: 4.306 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. -0.000 min

Lab File: VU055243.D

Acq: 12 Sep 2023 13:12

Tgt Ion: 95 Resp: 58584

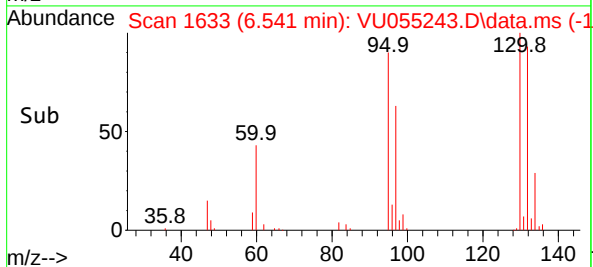
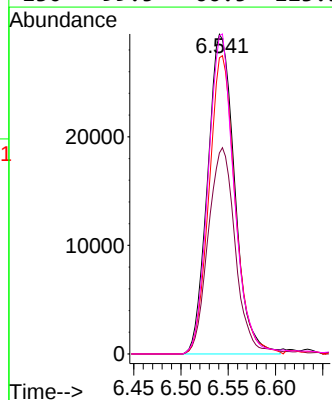
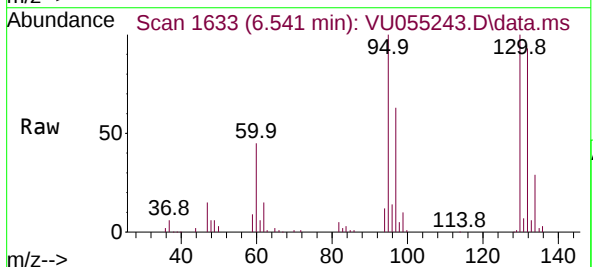
Ion Ratio Lower Upper

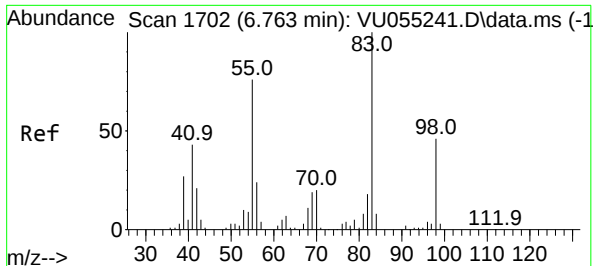
95 100

97 62.9 44.7 83.1

132 92.7 66.6 123.6

130 99.5 66.5 123.5





#35

Methylcyclohexane

Concen: 0.823 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU055243.D

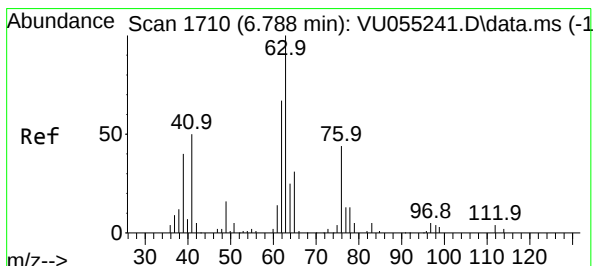
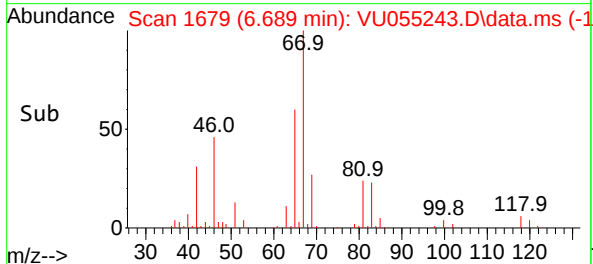
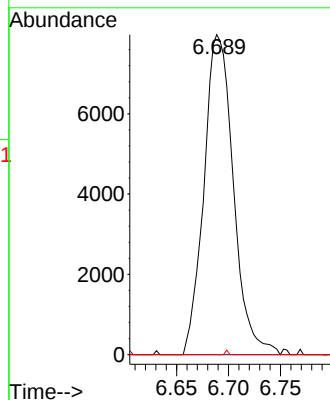
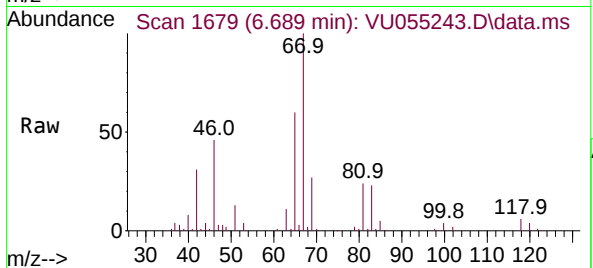
Acq: 12 Sep 2023 13:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 15712
Ion Ratio	Lower Upper
83 100	
55 0.1	60.4 90.6#
98 1.5	35.3 52.9#



#37

1,2-Dichloropropane

Concen: 0.567 ug/L

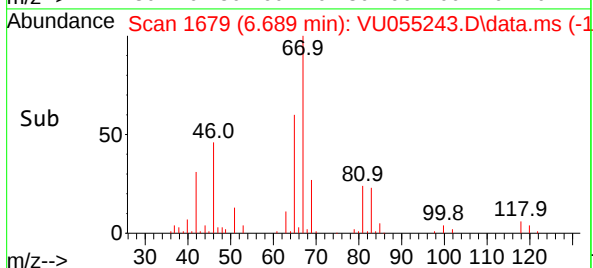
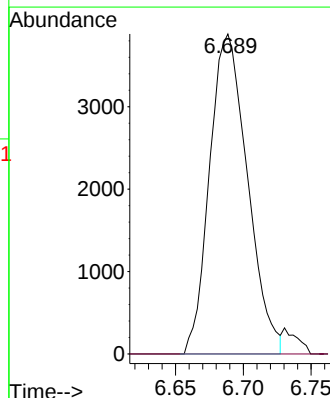
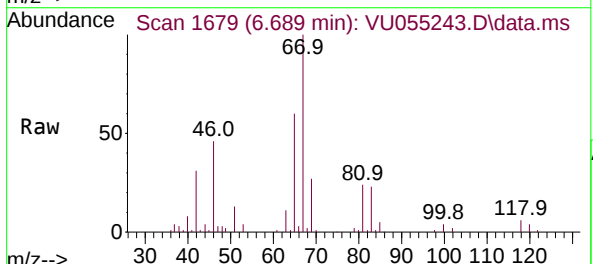
RT: 6.689 min Scan# 1679

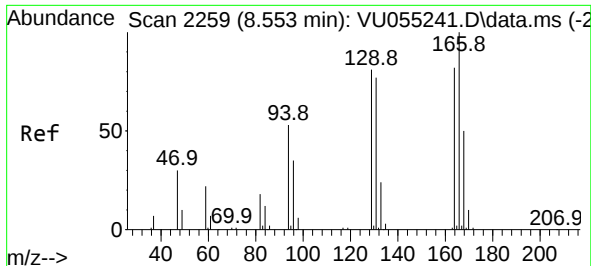
Delta R.T. -0.100 min

Lab File: VU055243.D

Acq: 12 Sep 2023 13:12

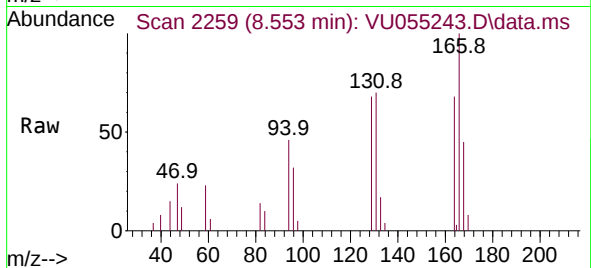
Tgt Ion: 63	Resp: 7554
Ion Ratio	Lower Upper
63 100	
112 0.0	3.2 4.8#



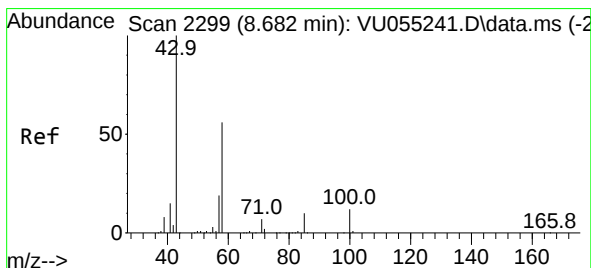
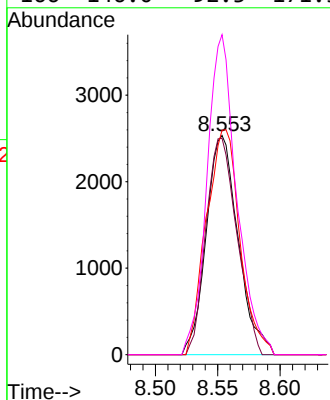
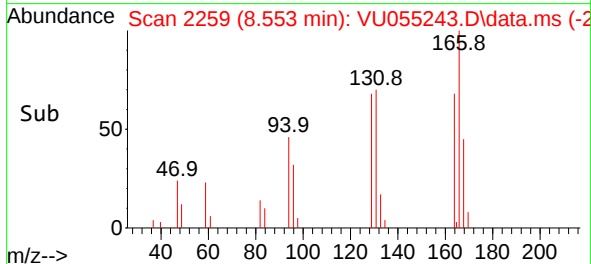


#47
Tetrachloroethene
Concen: 0.480 ug/L
RT: 8.553 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055243.D
Acq: 12 Sep 2023 13:12

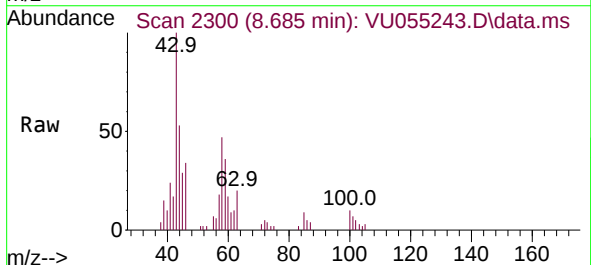
Instrument :
MSVOA_U
ClientSampleId :



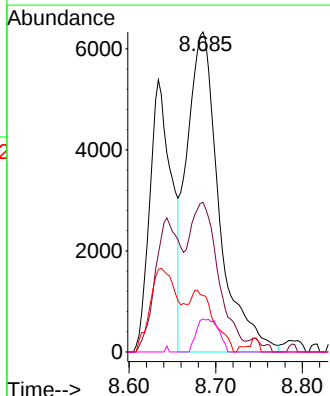
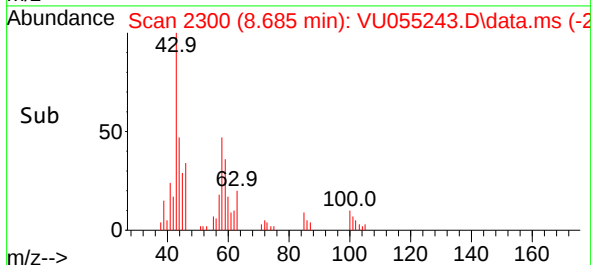
Tgt Ion:164 Resp: 4517
Ion Ratio Lower Upper
164 100
129 98.8 69.2 128.6
131 102.4 68.8 127.8
166 146.0 92.3 171.5

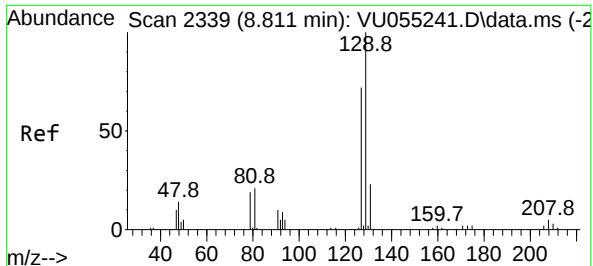


#48
2-Hexanone
Concen: 2.752 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055243.D
Acq: 12 Sep 2023 13:12



Tgt Ion: 43 Resp: 16390
Ion Ratio Lower Upper
43 100
58 42.9 44.0 66.0#
57 14.4 16.2 24.2#
100 7.1 9.0 13.4#





#49

Dibromochloromethane

Concen: 0.444 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU055243.D

Acq: 12 Sep 2023 13:12

Instrument :

MSVOA_U

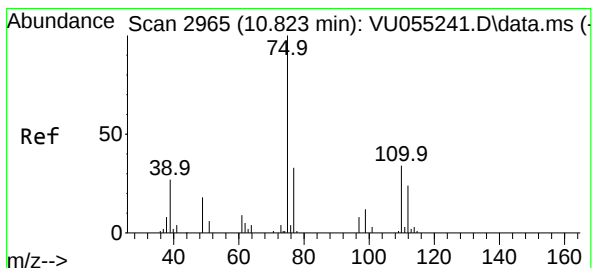
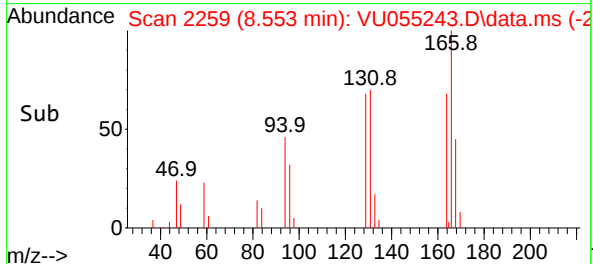
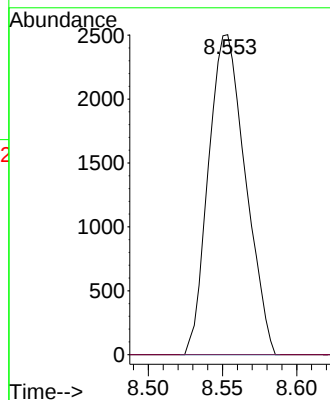
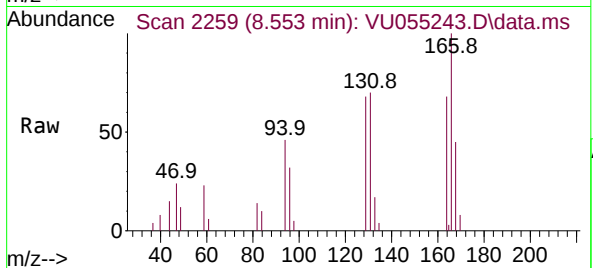
ClientSampleId :

Tgt Ion:129 Resp: 4350

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#61

1,2,3-Trichloropropane

Concen: 2.064 ug/L

RT: 11.811 min Scan# 3272

Delta R.T. 0.987 min

Lab File: VU055243.D

Acq: 12 Sep 2023 13:12

Tgt Ion: 75 Resp: 14664

Ion Ratio Lower Upper

75 100

110 2.1 28.2 42.2#

77 30.5 26.2 39.4

