

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122223\
 Data File : VU057203.D
 Acq On : 22 Dec 2023 20:35
 Operator : MD/SY
 Sample : 05894-11DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 22:52:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 22 22:46:58 2023
 Response via : Initial Calibration

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

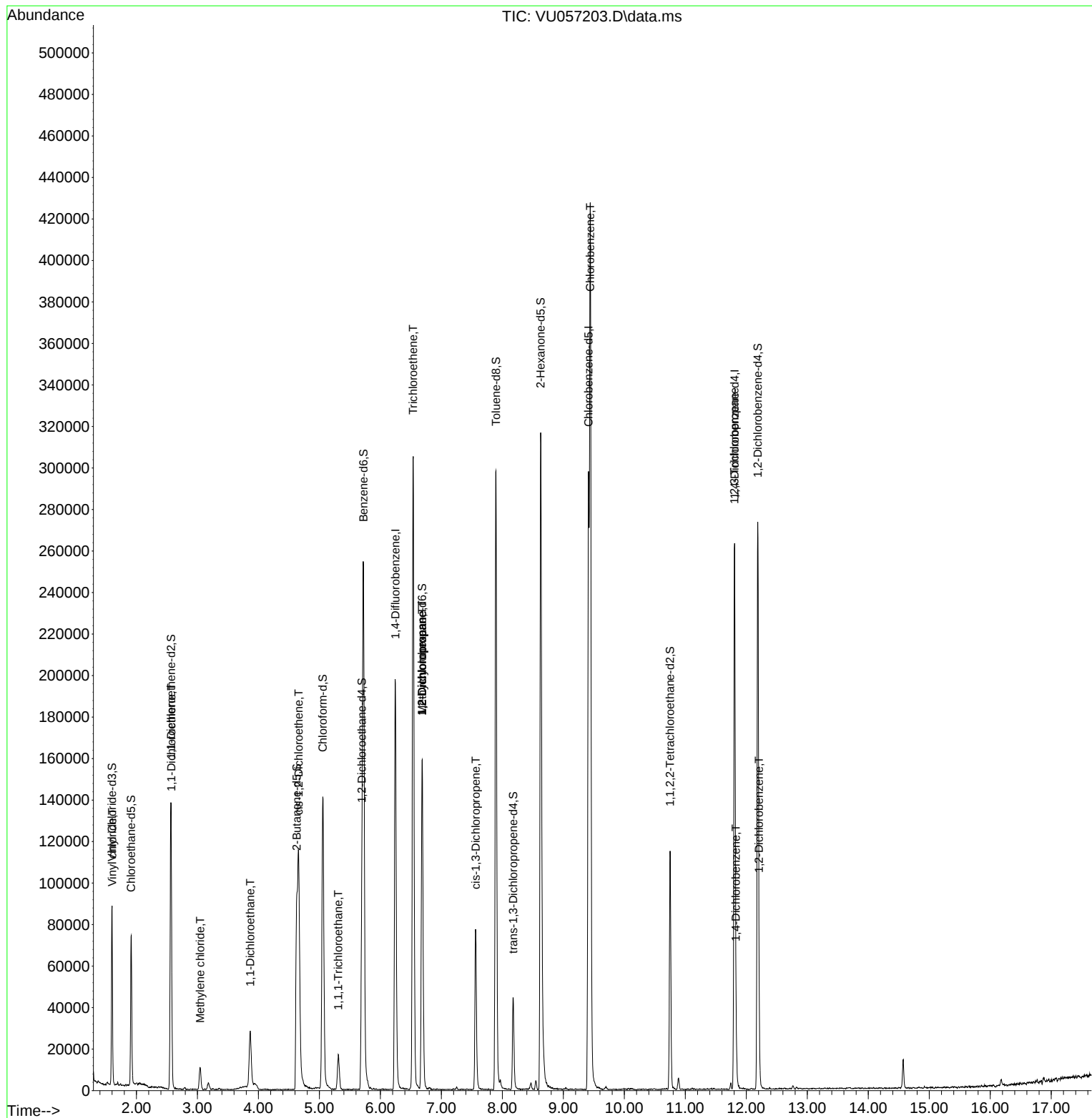
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	159506	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	157285	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	69846	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	59433	3.898	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.000%
7) Chloroethane-d5	1.911	69	54526	4.345	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.567	65	27172	4.114	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.200%
20) 2-Butanone-d5	4.628	46	138857	58.010	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.020%
24) Chloroform-d	5.055	84	137319	4.664	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.695	65	68253	4.864	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
32) Benzene-d6	5.721	84	242445	4.494	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	6.682	67	76145	4.960	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.894	98	202603	4.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	8.177	79	28227	4.417	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.627	63	109016	50.104	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.200%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	56464	5.169	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	72665	4.835	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
5) Vinyl chloride	1.602	62	3082	0.221	ug/L #	69
12) 1,1-Dichloroethene	2.570	96	2529	0.212	ug/L #	1
16) Methylene chloride	3.046	84	5726	0.413	ug/L	93
19) 1,1-Dichloroethane	3.866	63	30468	1.320	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	45861	3.581	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	12422	0.497	ug/L	97
34) Trichloroethene	6.534	95	109965	7.542	ug/L	97
35) Methylcyclohexane	6.685	83	19991	1.041	ug/L #	19
37) 1,2-Dichloropropane	6.685	63	8827	0.712	ug/L #	88
39) cis-1,3-Dichloropropene	7.563	75	2207	0.118	ug/L	87
51) Chlorobenzene	9.441	112	228080	6.632	ug/L	98
61) 1,2,3-Trichloropropane	11.804	75	11153	1.714	ug/L #	42
65) 1,4-Dichlorobenzene	11.830	146	7972	0.325	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	6994	0.321	ug/L	92

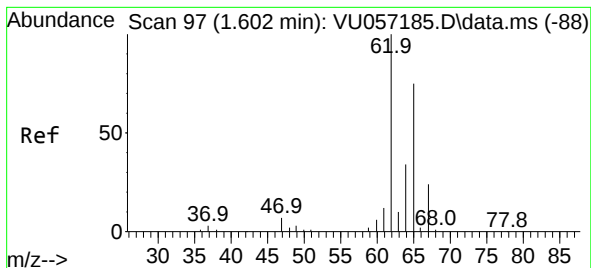
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.221 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU057203.D

Acq: 22 Dec 2023 20:35

Instrument :

MSVOA_U

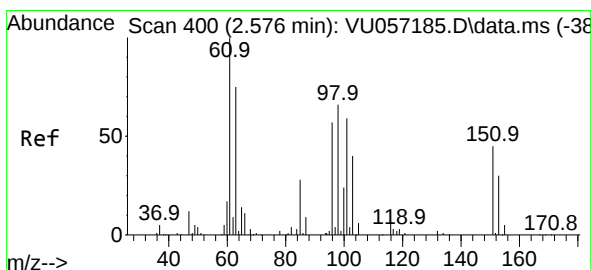
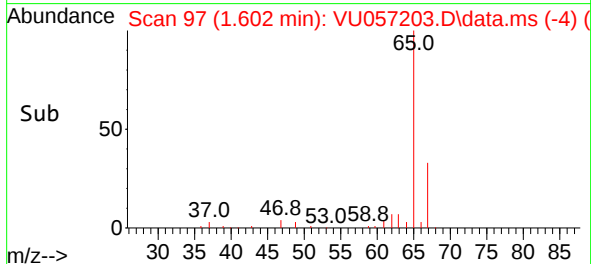
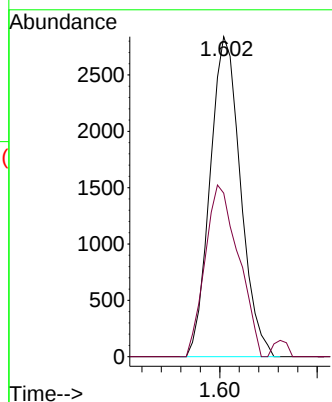
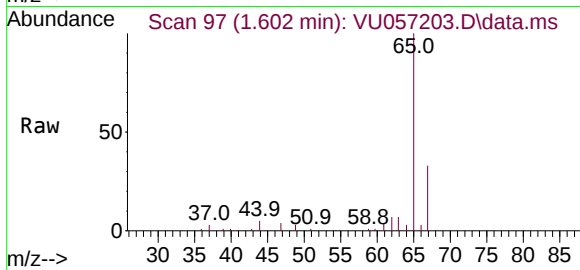
ClientSampleId :

Tgt Ion: 62 Resp: 3082

Ion Ratio Lower Upper

62 100

64 51.1 23.3 43.3#



#12

1,1-Dichloroethene

Concen: 0.212 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.006 min

Lab File: VU057203.D

Acq: 22 Dec 2023 20:35

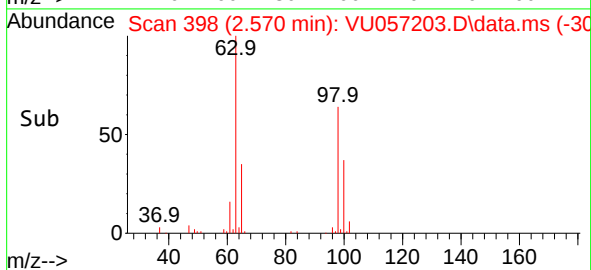
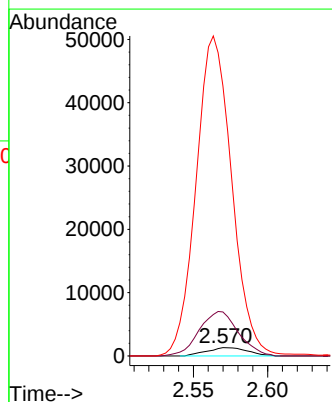
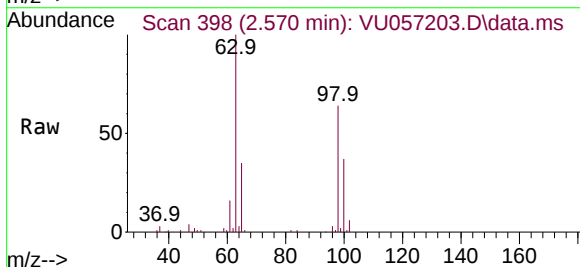
Tgt Ion: 96 Resp: 2529

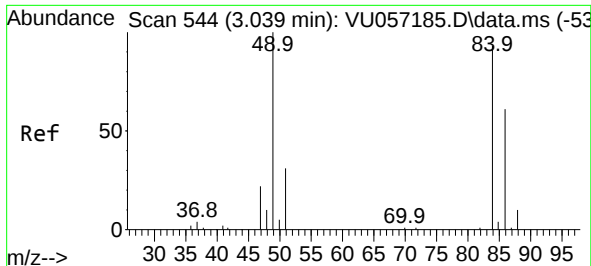
Ion Ratio Lower Upper

96 100

61 528.8 119.6 222.0#

63 3246.3 96.2 178.8#

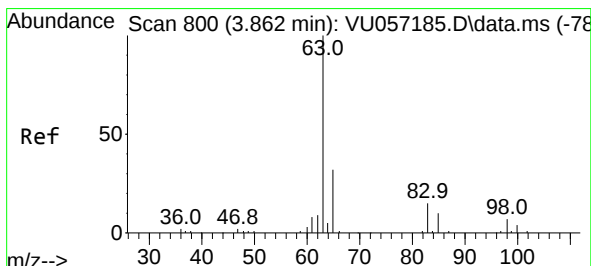
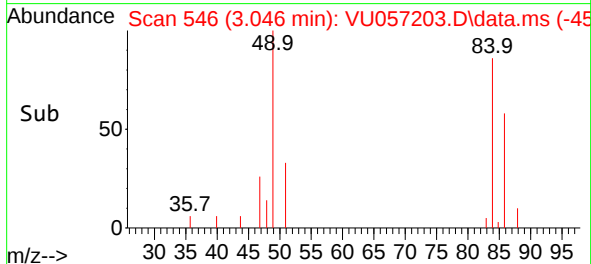
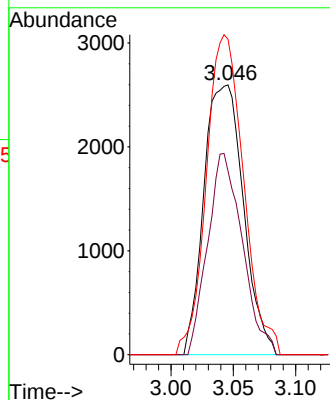
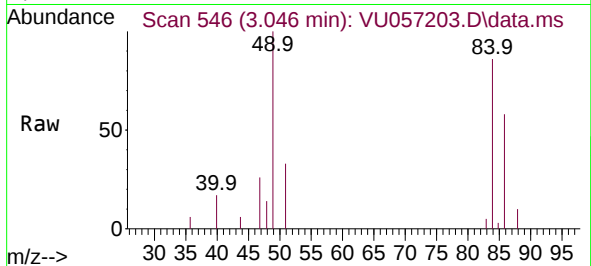




#16
Methylene chloride
Concen: 0.413 ug/L
RT: 3.046 min Scan# 544
Delta R.T. 0.006 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

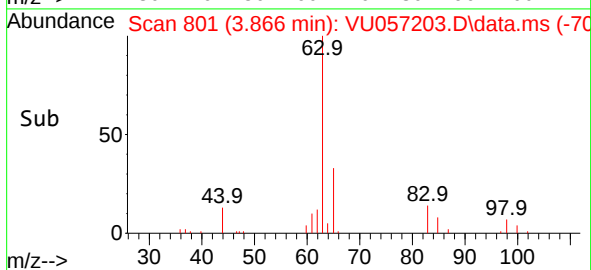
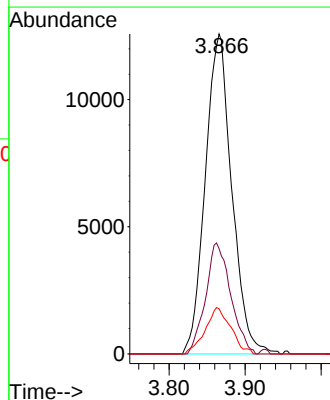
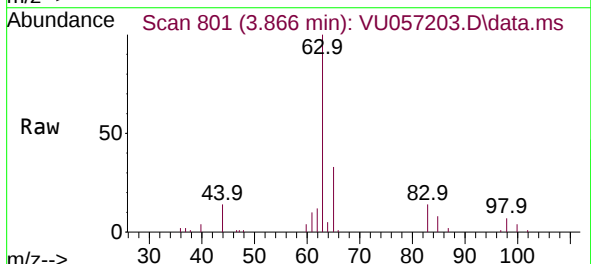
Instrument :
MSVOA_U
ClientSampleId :

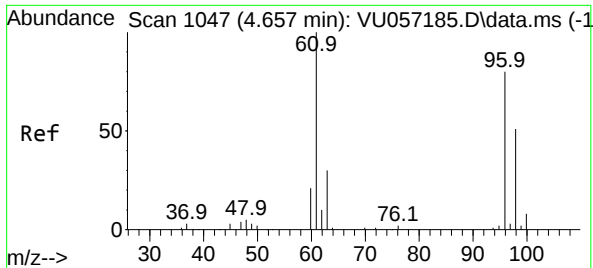
Tgt Ion: 84 Resp: 5726
Ion Ratio Lower Upper
84 100
86 68.0 44.7 82.9
49 116.9 76.0 141.2



#19
1,1-Dichloroethane
Concen: 1.320 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

Tgt Ion: 63 Resp: 30468
Ion Ratio Lower Upper
63 100
65 32.9 21.6 40.2
83 14.1 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 3.581 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU057203.D

Acq: 22 Dec 2023 20:35

Instrument :

MSVOA_U

ClientSampleId :

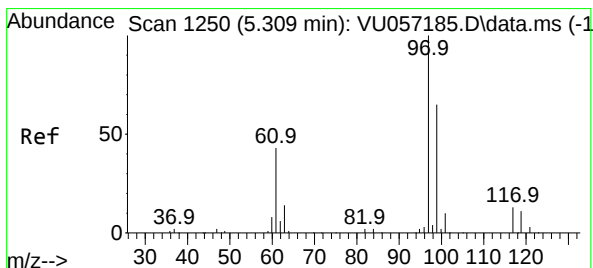
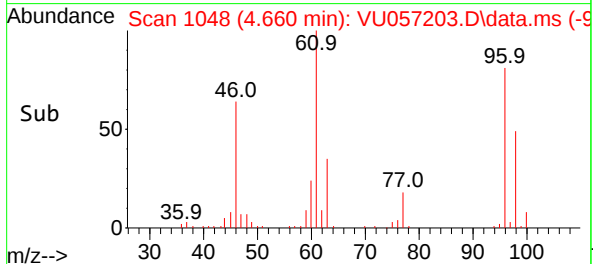
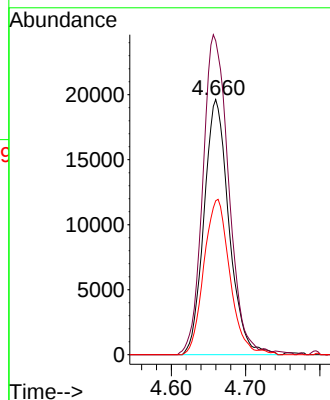
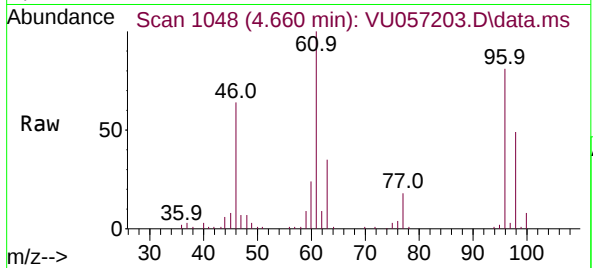
Tgt Ion: 96 Resp: 45861

Ion Ratio Lower Upper

96 100

61 123.0 86.8 161.2

98 60.3 45.5 84.5



#29

1,1,1-Trichloroethane

Concen: 0.497 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU057203.D

Acq: 22 Dec 2023 20:35

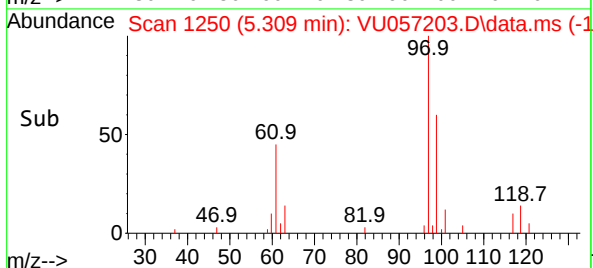
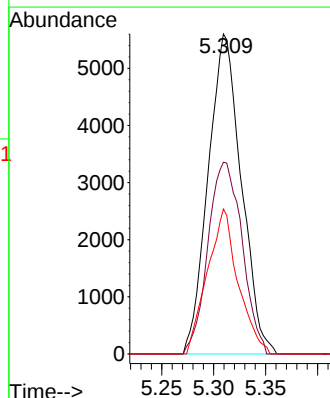
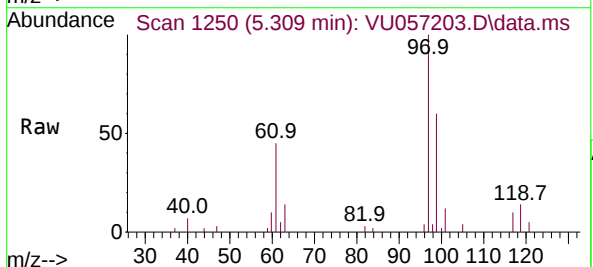
Tgt Ion: 97 Resp: 12422

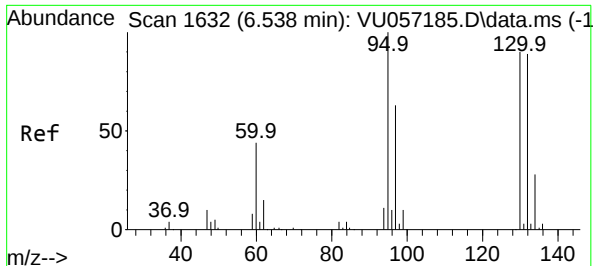
Ion Ratio Lower Upper

97 100

99 61.6 51.2 76.8

61 42.1 32.5 48.7

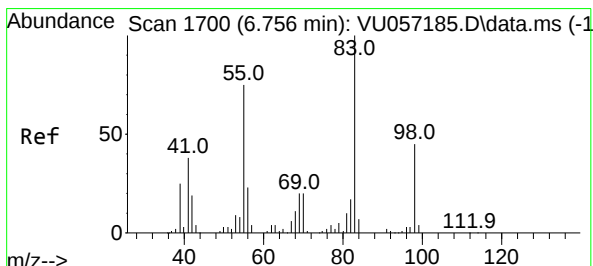
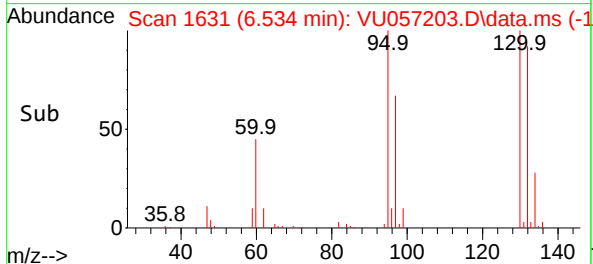
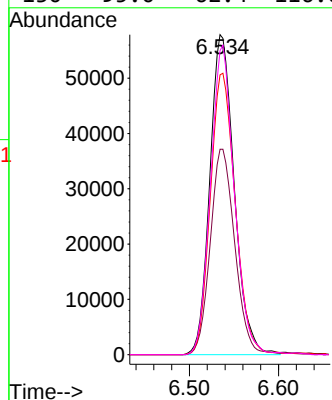
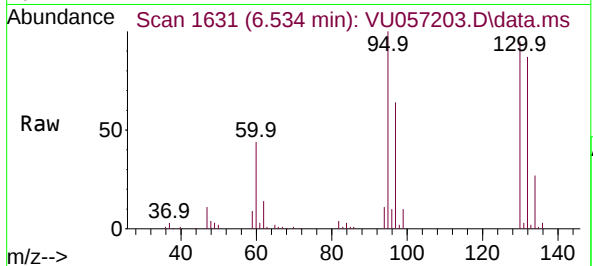




#34
Trichloroethene
Concen: 7.542 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

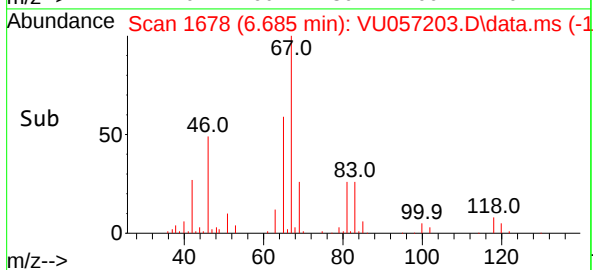
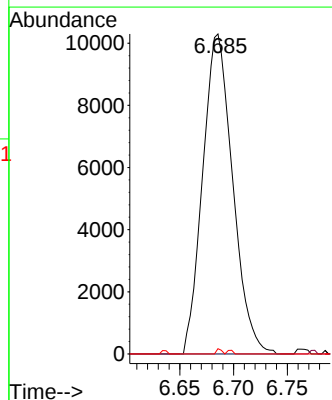
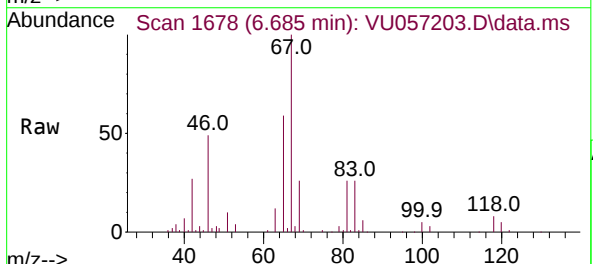
Instrument :
MSVOA_U
ClientSampleId :

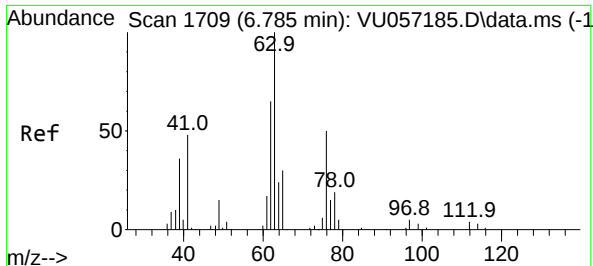
Tgt Ion: 95 Resp: 109965
Ion Ratio Lower Upper
95 100
97 64.2 44.3 82.3
132 87.4 62.6 116.2
130 95.0 62.4 116.0



#35
Methylcyclohexane
Concen: 1.041 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

Tgt Ion: 83 Resp: 19991
Ion Ratio Lower Upper
83 100
55 0.2 61.3 91.9#
98 0.3 36.6 55.0#

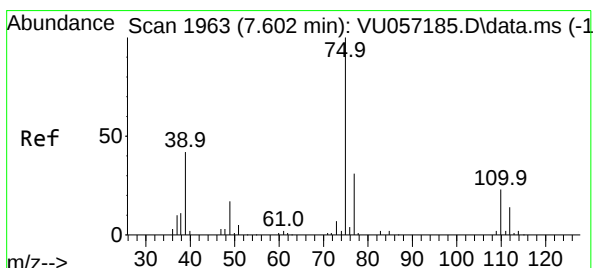
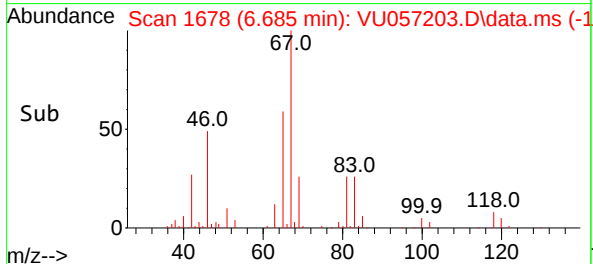
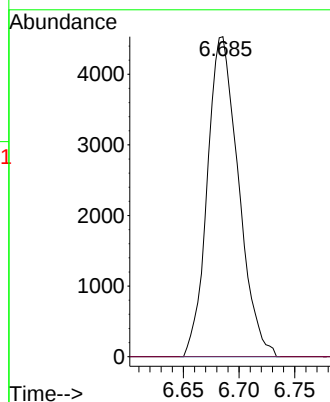
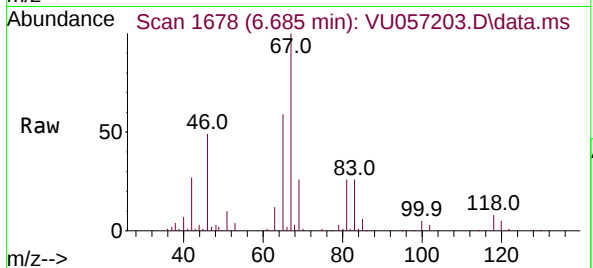




#37
1,2-Dichloropropane
Concen: 0.712 ug/L
RT: 6.685 min Scan# 11
Delta R.T. -0.100 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

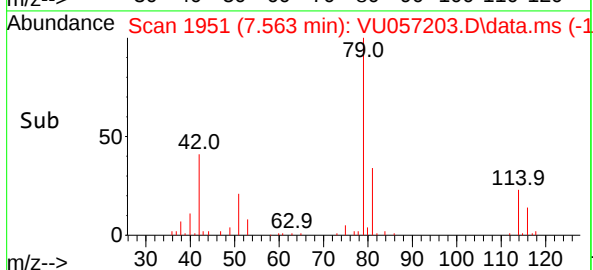
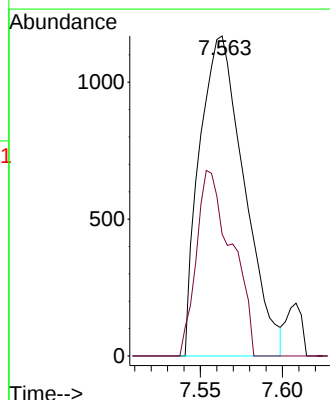
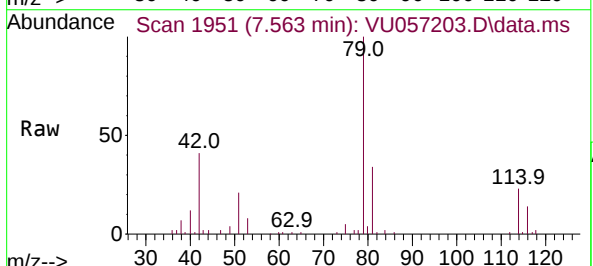
Instrument :
MSVOA_U
ClientSampleId :

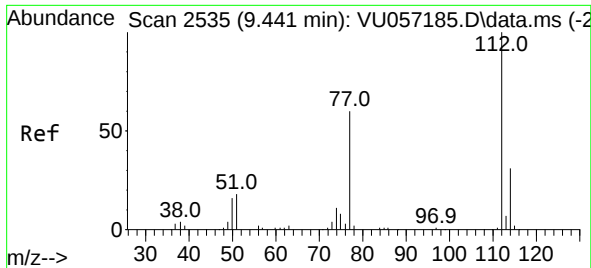
Tgt Ion: 63 Resp: 8827
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



#39
cis-1,3-Dichloropropene
Concen: 0.118 ug/L
RT: 7.563 min Scan# 1951
Delta R.T. -0.039 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

Tgt Ion: 75 Resp: 2207
Ion Ratio Lower Upper
75 100
77 38.1 21.8 40.4

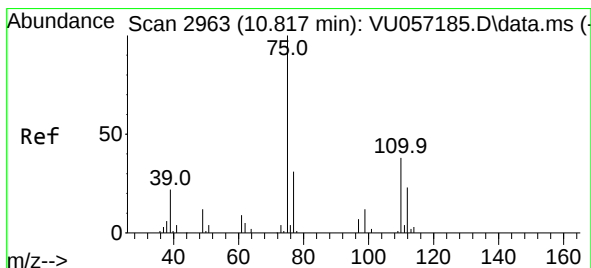
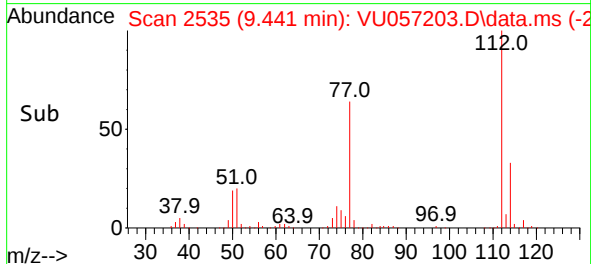
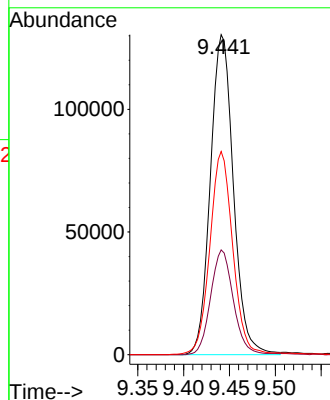
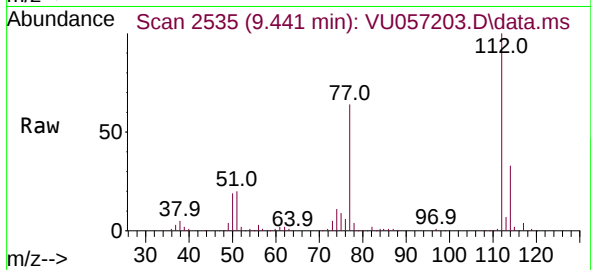




#51
Chlorobenzene
Concen: 6.632 ug/L
RT: 9.441 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

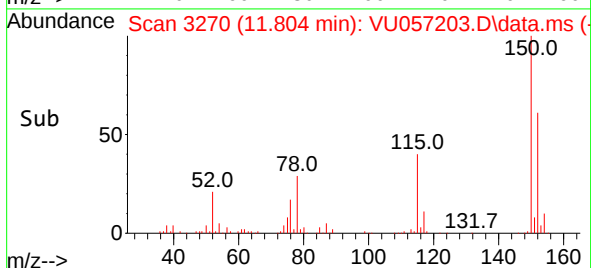
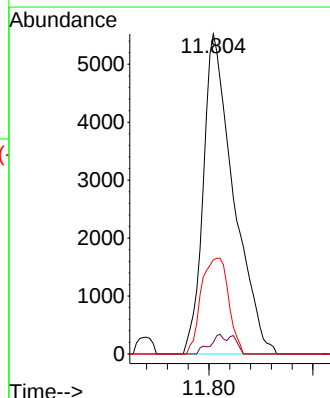
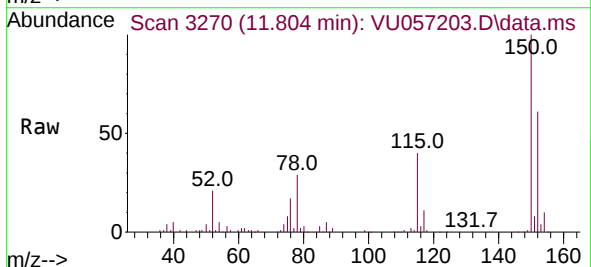
Instrument :
MSVOA_U
ClientSampleId :

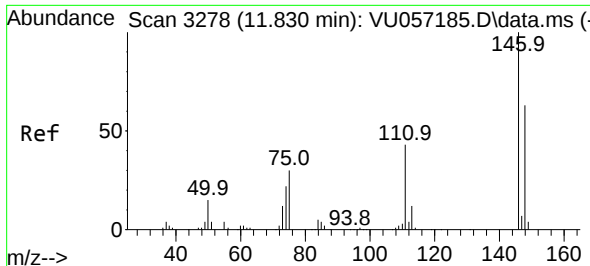
Tgt Ion:112 Resp: 228080
Ion Ratio Lower Upper
112 100
114 32.7 22.7 42.1
77 63.5 52.2 78.2



#61
1,2,3-Trichloropropane
Concen: 1.714 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.987 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

Tgt Ion: 75 Resp: 11153
Ion Ratio Lower Upper
75 100
110 3.2 31.2 46.8#
77 0.0 25.5 38.3#

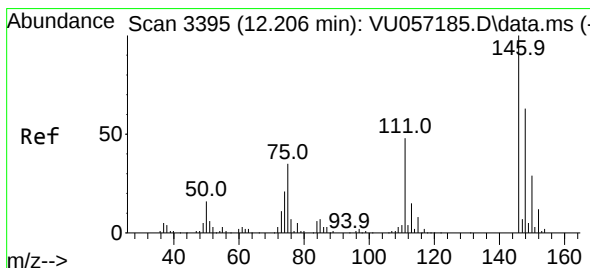
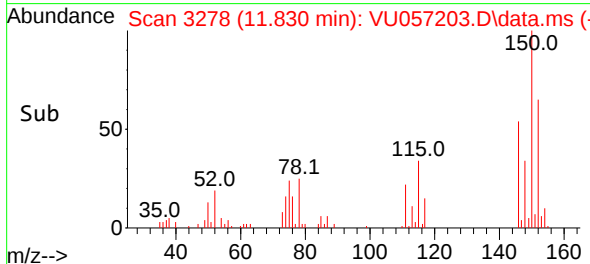
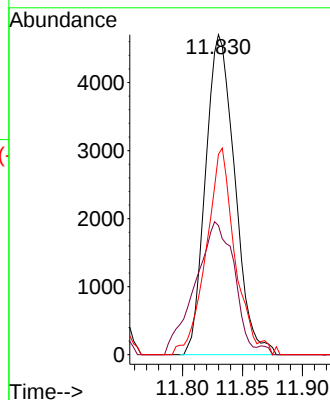
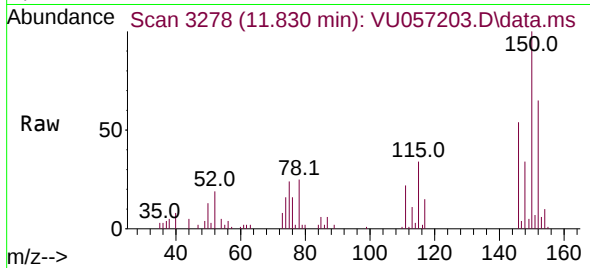




#65
1,4-Dichlorobenzene
Concen: 0.325 ug/L
RT: 11.830 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 7972
Ion Ratio Lower Upper
146 100
111 40.3 28.1 52.3
148 62.6 43.0 79.8



#67
1,2-Dichlorobenzene
Concen: 0.321 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

Tgt Ion:146 Resp: 6994
Ion Ratio Lower Upper
146 100
111 54.1 37.9 56.9
148 67.0 50.1 75.1

