

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122223\
 Data File : VU057199.D
 Acq On : 22 Dec 2023 18:58
 Operator : MD/SY
 Sample : 05894-05DL 2X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 22:51:01 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	168829	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	166400	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	73543	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	57626	3.571	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.400%
7) Chloroethane-d5	1.914	69	54976	4.139	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.563	65	26975	3.858	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.200%
20) 2-Butanone-d5	4.624	46	136628	53.927	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.860%
24) Chloroform-d	5.052	84	137907	4.425	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.695	65	69876	4.705	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.721	84	251586	4.408	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.682	67	77734	4.786	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.800%
41) Toluene-d8	7.891	98	204491	3.924	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	8.174	79	28099	4.156	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.200%
46) 2-Hexanone-d5	8.627	63	112001	48.656	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.320%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	56312	4.872	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	73425	4.640	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	23451	1.589	ug/L	97
8) Chloroethane	1.933	64	57120	6.096	ug/L	96
12) 1,1-Dichloroethene	2.576	96	2627	0.208	ug/L #	1
16) Methylene chloride	3.042	84	5913	0.403	ug/L	85
19) 1,1-Dichloroethane	3.859	63	269494	11.033	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	151737	11.194	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	229326	8.672	ug/L	99
31) Carbon tetrachloride	5.309	117	28071	1.207	ug/L	98
34) Trichloroethene	6.537	95	105298	6.826	ug/L	97
35) Methylcyclohexane	6.682	83	20368	1.003	ug/L #	21
37) 1,2-Dichloropropane	6.682	63	8945	0.682	ug/L #	90
47) Tetrachloroethene	8.547	164	1938	0.175	ug/L #	85
48) 2-Hexanone	8.676	43	2921	0.696	ug/L #	46
49) Dibromochloromethane	8.547	129	2656	0.226	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	9273	1.353	ug/L #	68
67) 1,2-Dichlorobenzene	12.206	146	7270	0.317	ug/L #	83

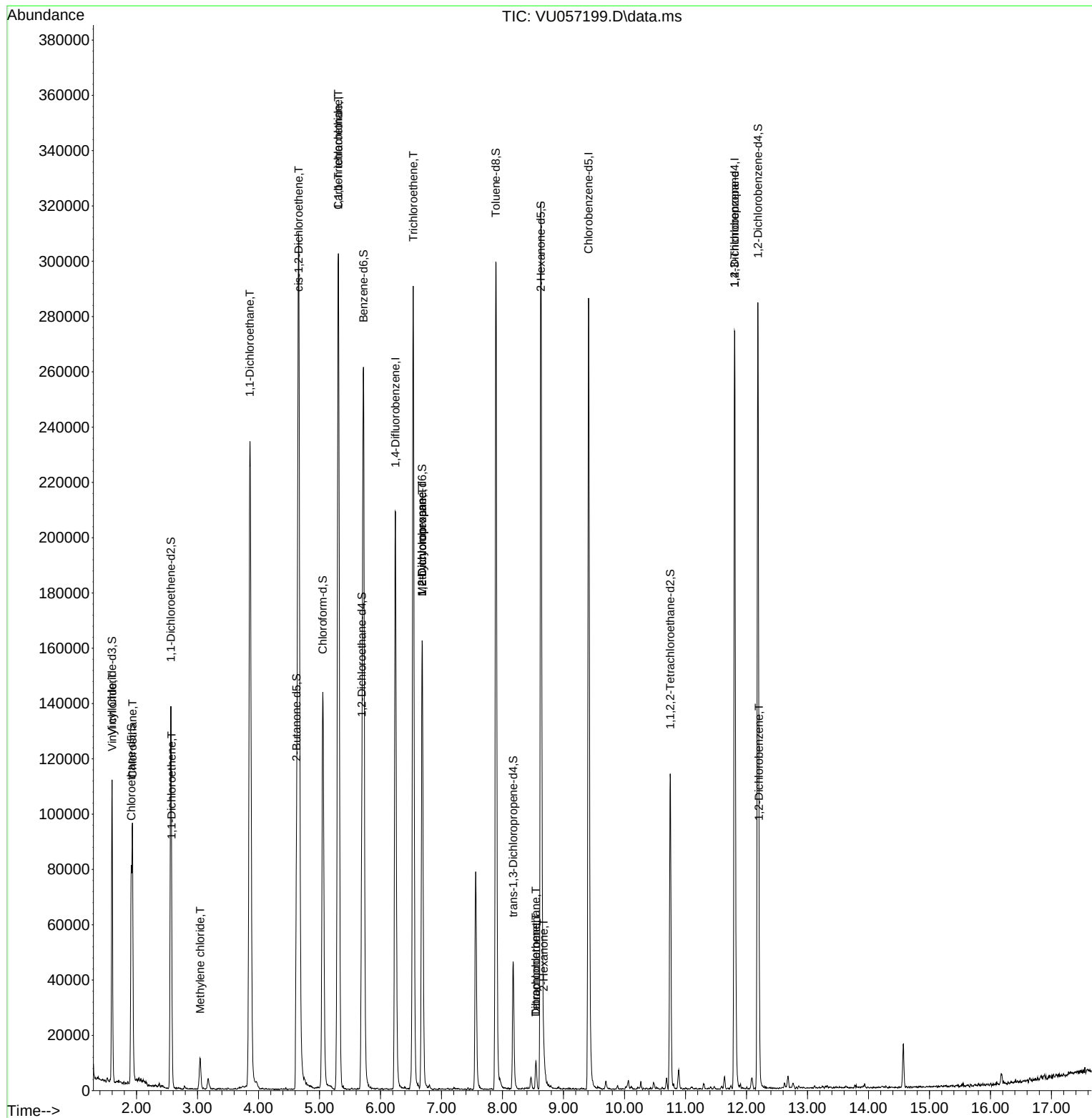
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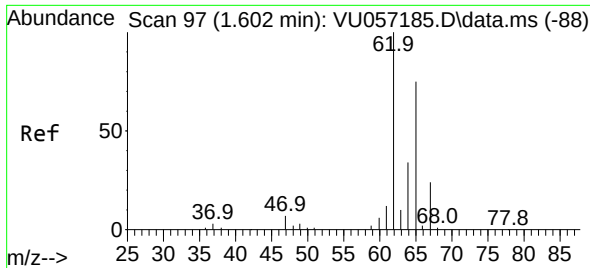
Instrument :
MSVOA_U
ClientSampleId :

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Quant Time: Dec 22 22:51:01 2023
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Quant Title : TRACE VOA SFAM1.0
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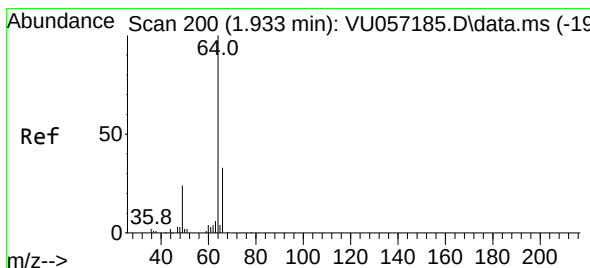
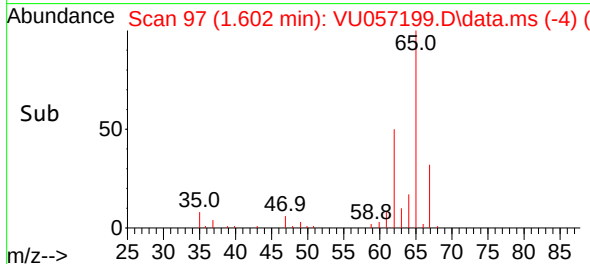
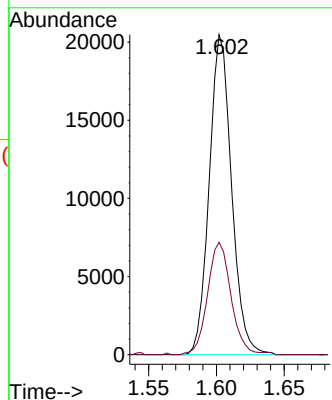
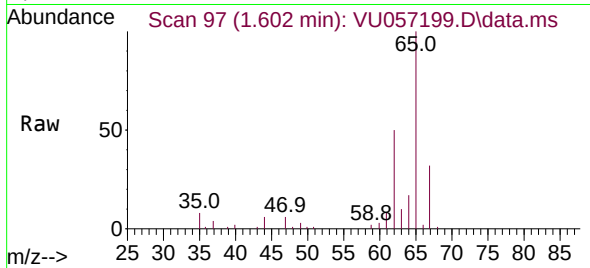




#5
 Vinyl chloride
 Concen: 1.589 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057199.D
 Acq: 22 Dec 2023 18:58

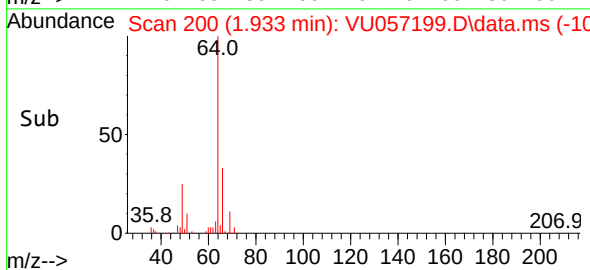
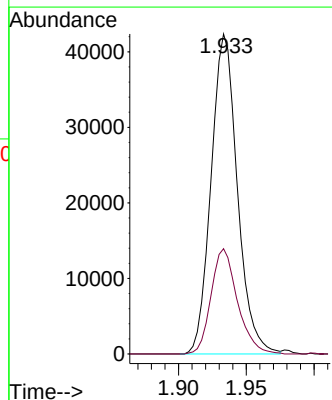
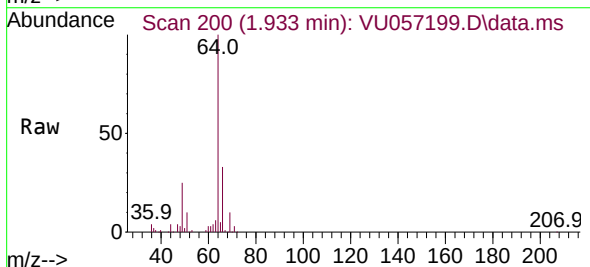
Instrument :
 MSVOA_U
 ClientSampleId :

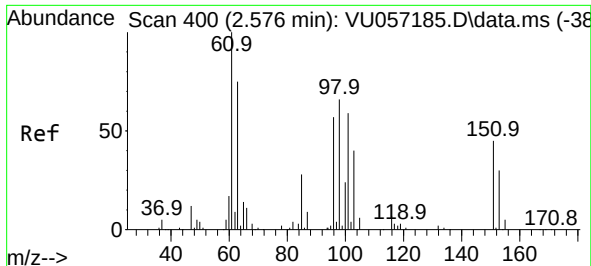
Tgt Ion: 62 Resp: 23451
 Ion Ratio Lower Upper
 62 100
 64 35.1 23.3 43.3



#8
 Chloroethane
 Concen: 6.096 ug/L
 RT: 1.933 min Scan# 200
 Delta R.T. -0.000 min
 Lab File: VU057199.D
 Acq: 22 Dec 2023 18:58

Tgt Ion: 64 Resp: 57120
 Ion Ratio Lower Upper
 64 100
 66 32.9 21.6 40.2





#12

1,1-Dichloroethene

Concen: 0.208 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

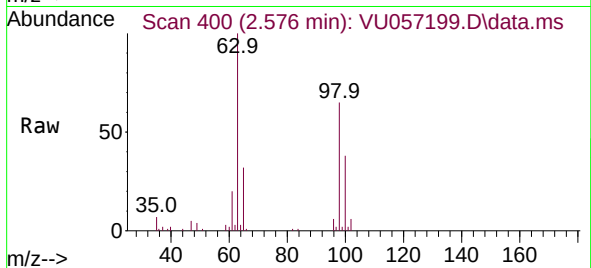
Lab File: VU057199.D

Acq: 22 Dec 2023 18:58

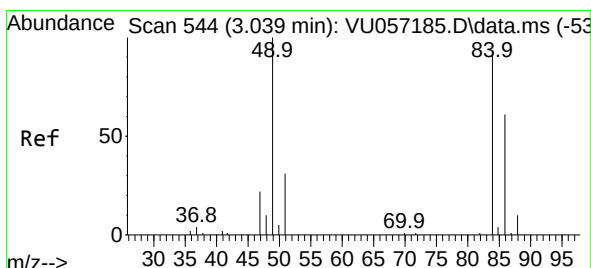
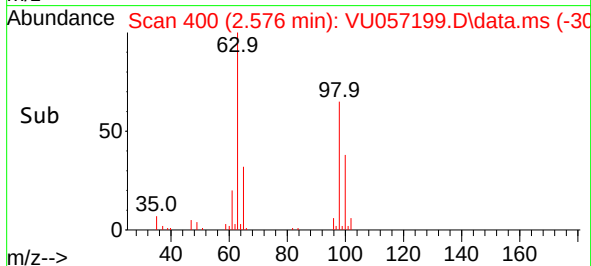
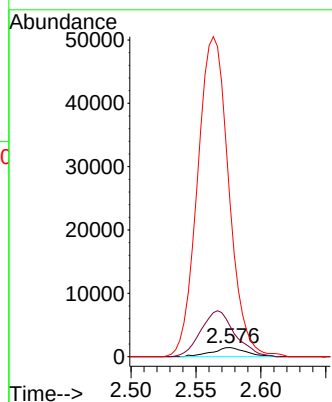
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	2627
Ion	Ratio	Lower	Upper
96	100		
61	333.5	119.6	222.0#
63	1683.0	96.2	178.8#



#16

Methylene chloride

Concen: 0.403 ug/L

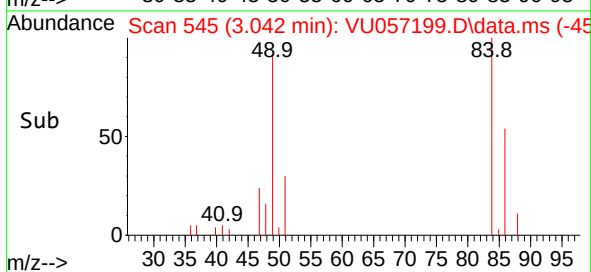
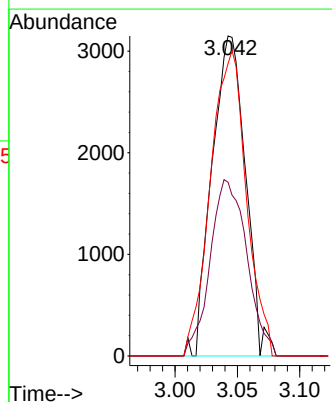
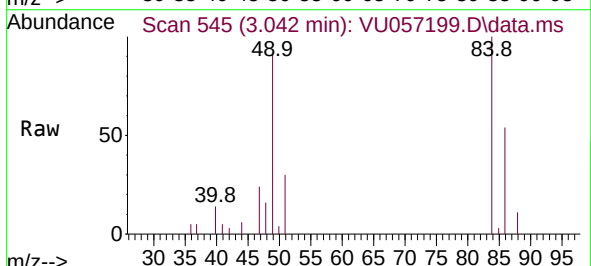
RT: 3.042 min Scan# 545

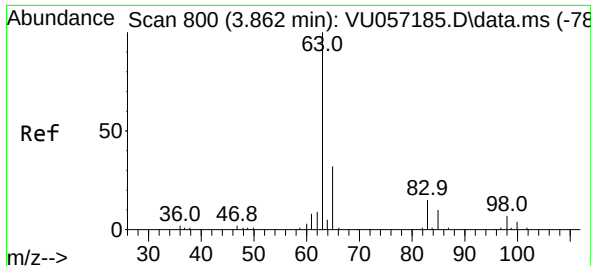
Delta R.T. 0.003 min

Lab File: VU057199.D

Acq: 22 Dec 2023 18:58

Tgt Ion:	84	Resp:	5913
Ion	Ratio	Lower	Upper
84	100		
86	54.3	44.7	82.9
49	91.4	76.0	141.2





#19

1,1-Dichloroethane

Concen: 11.033 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU057199.D

Acq: 22 Dec 2023 18:58

Instrument :

MSVOA_U

ClientSampleId :

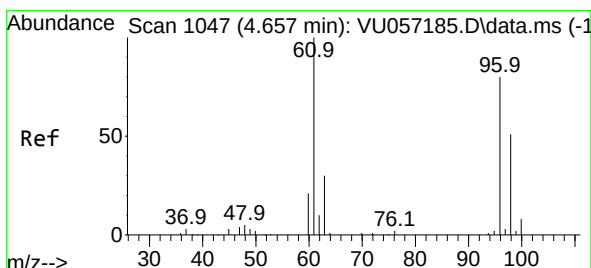
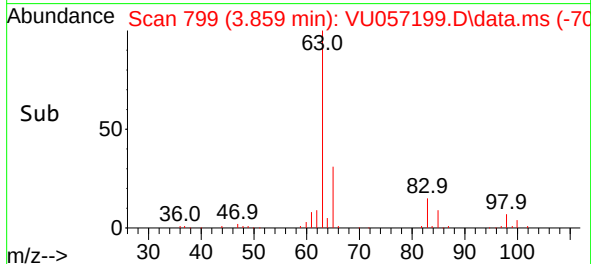
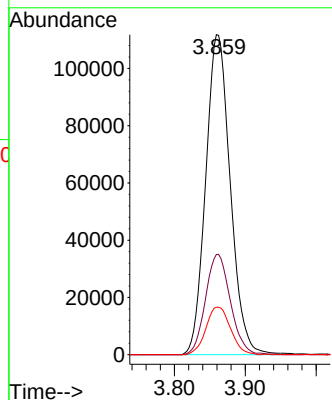
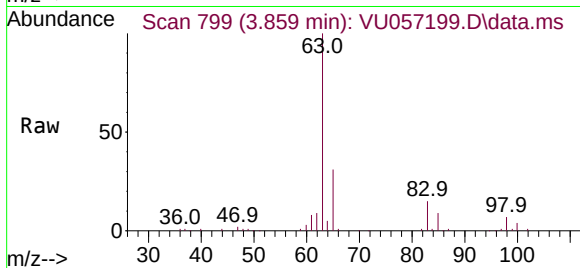
Tgt Ion: 63 Resp: 269494

Ion Ratio Lower Upper

63 100

65 31.3 21.6 40.2

83 14.8 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 11.194 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU057199.D

Acq: 22 Dec 2023 18:58

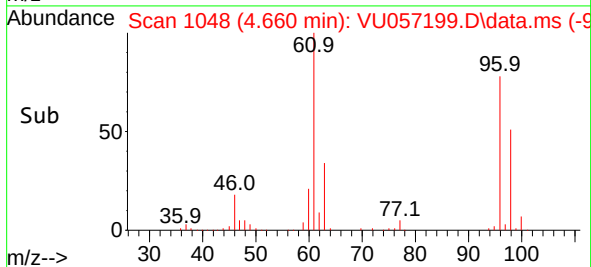
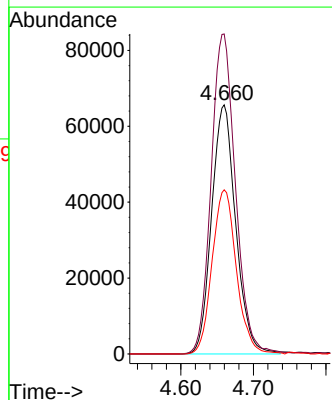
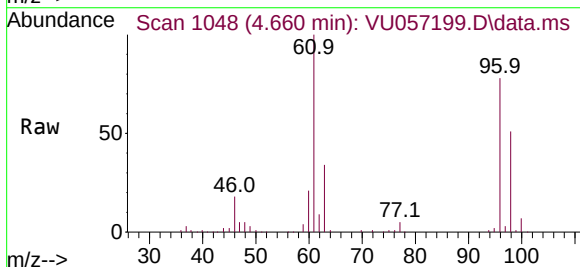
Tgt Ion: 96 Resp: 151737

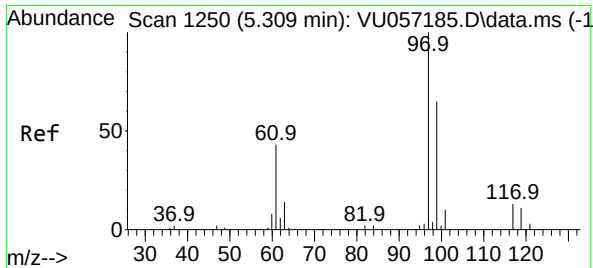
Ion Ratio Lower Upper

96 100

61 128.4 86.8 161.2

98 65.9 45.5 84.5

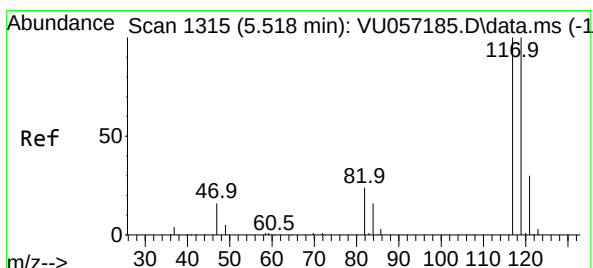
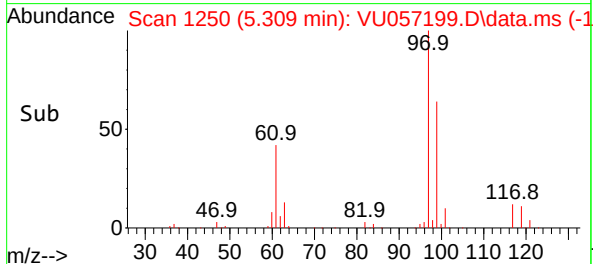
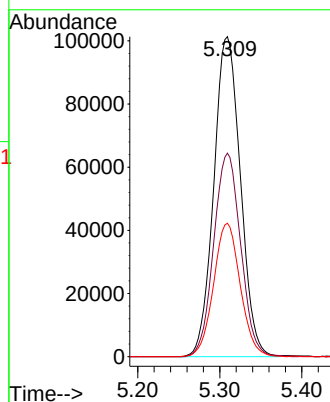
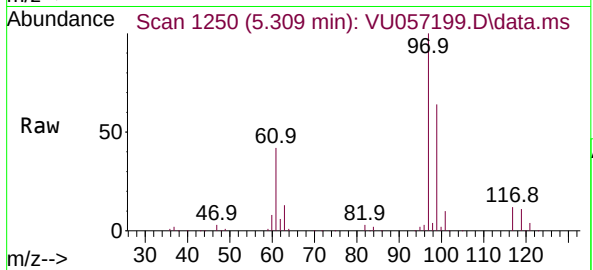




#29
1,1,1-Trichloroethane
Concen: 8.672 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.000 min
Lab File: VU057199.D
Acq: 22 Dec 2023 18:58

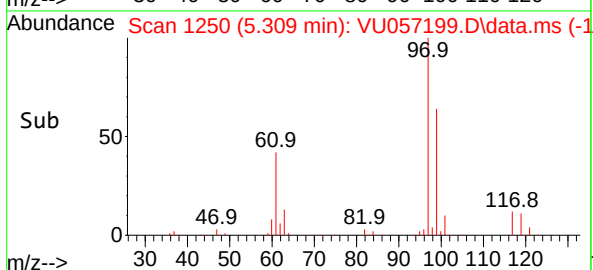
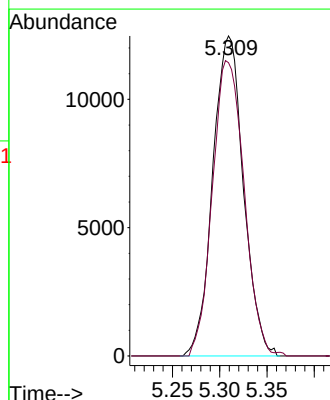
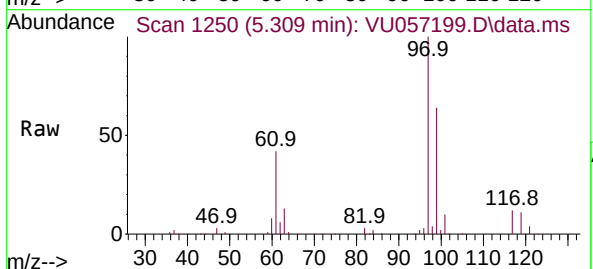
Instrument :
MSVOA_U
ClientSampleId :

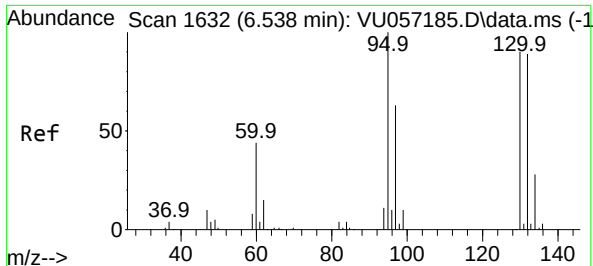
Tgt Ion: 97 Resp: 229326
Ion Ratio Lower Upper
97 100
99 64.3 51.2 76.8
61 41.8 32.5 48.7



#31
Carbon tetrachloride
Concen: 1.207 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.209 min
Lab File: VU057199.D
Acq: 22 Dec 2023 18:58

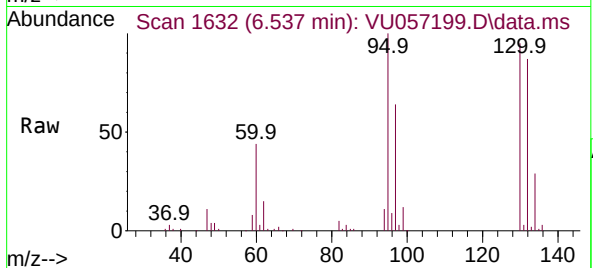
Tgt Ion: 117 Resp: 28071
Ion Ratio Lower Upper
117 100
119 95.6 75.1 112.7



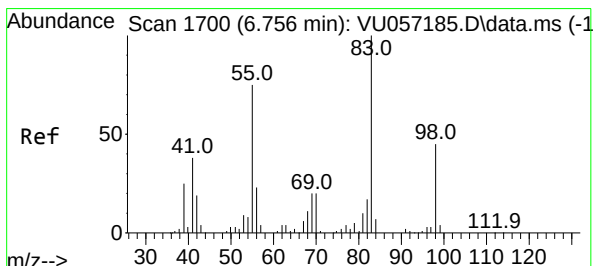
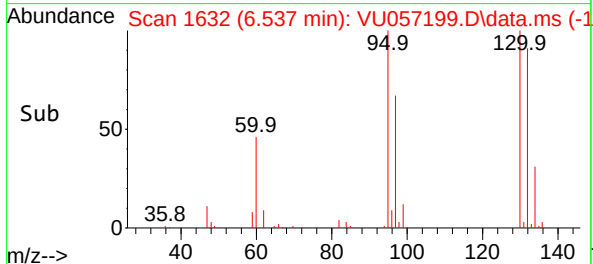
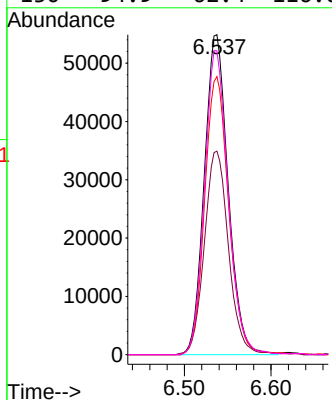


#34
Trichloroethene
Concen: 6.826 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU057199.D
Acq: 22 Dec 2023 18:58

Instrument :
MSVOA_U
ClientSampleId :

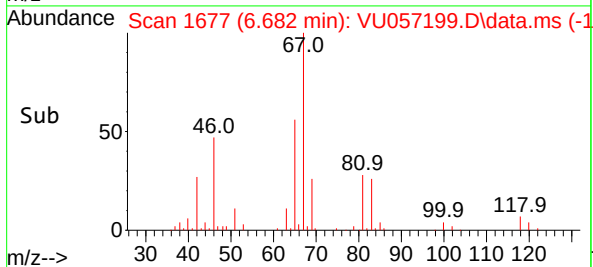
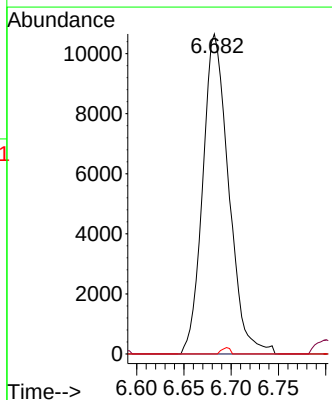
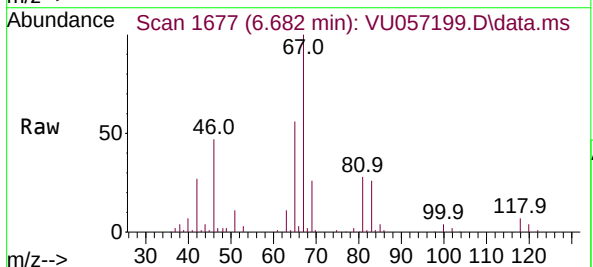


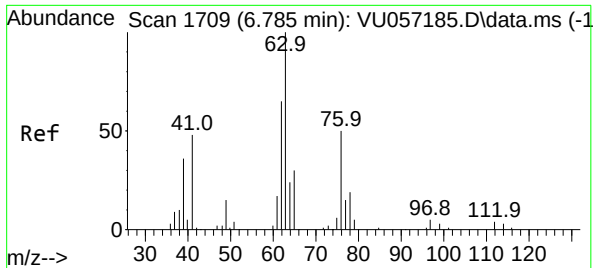
Tgt Ion: 95 Resp: 105298
Ion Ratio Lower Upper
95 100
97 63.6 44.3 82.3
132 86.9 62.6 116.2
130 94.9 62.4 116.0



#35
Methylcyclohexane
Concen: 1.003 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU057199.D
Acq: 22 Dec 2023 18:58

Tgt Ion: 83 Resp: 20368
Ion Ratio Lower Upper
83 100
55 3.5 61.3 91.9#
98 0.6 36.6 55.0#

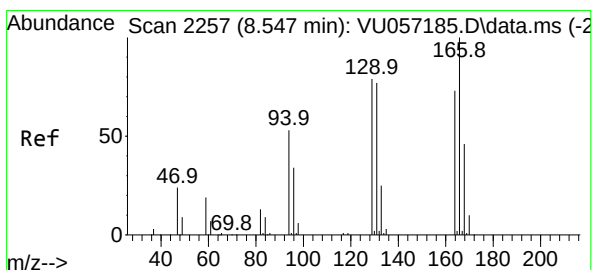
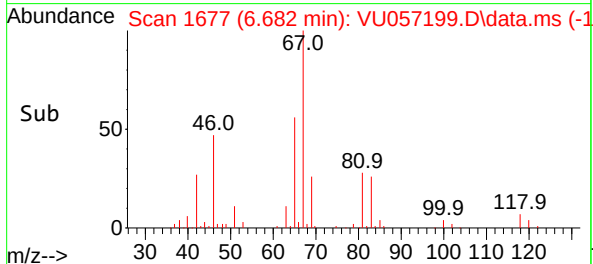
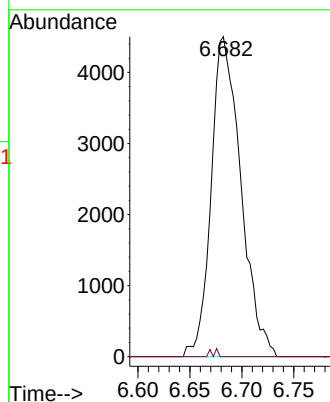
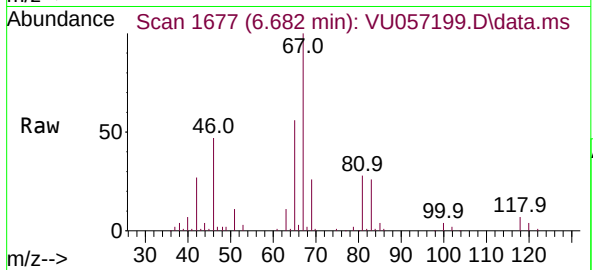




#37
1,2-Dichloropropane
Concen: 0.682 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU057199.D
Acq: 22 Dec 2023 18:58

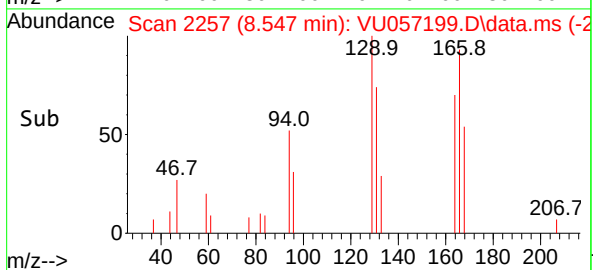
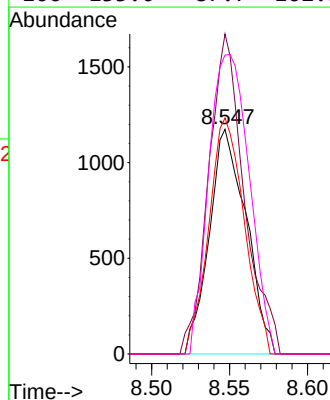
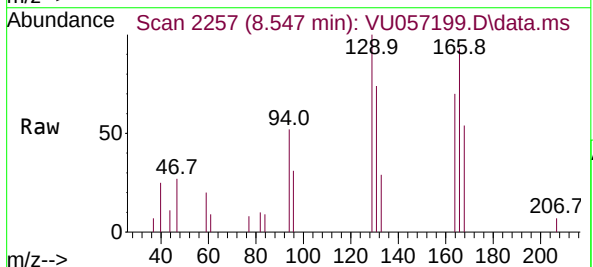
Instrument :
MSVOA_U
ClientSampleId :

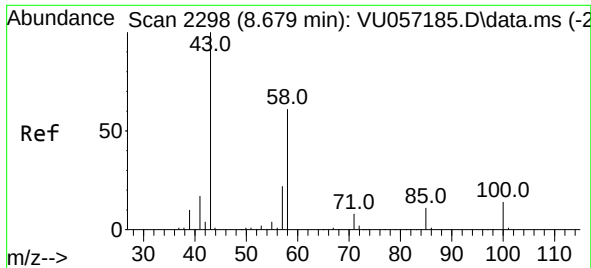
Tgt Ion: 63 Resp: 8945
Ion Ratio Lower Upper
63 100
112 0.5 3.1 4.7#



#47
Tetrachloroethene
Concen: 0.175 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057199.D
Acq: 22 Dec 2023 18:58

Tgt Ion:164 Resp: 1938
Ion Ratio Lower Upper
164 100
129 142.4 72.9 135.3#
131 105.0 71.7 133.3
166 133.0 87.7 162.9

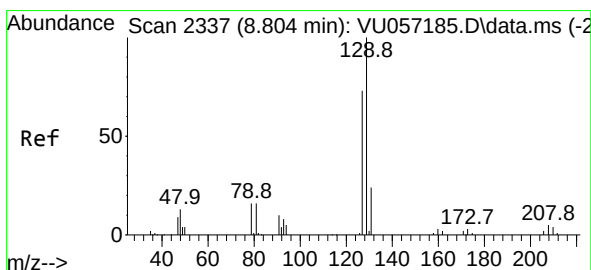
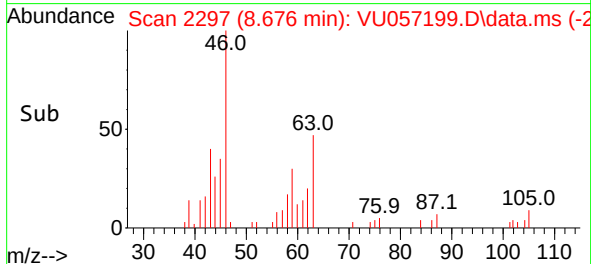
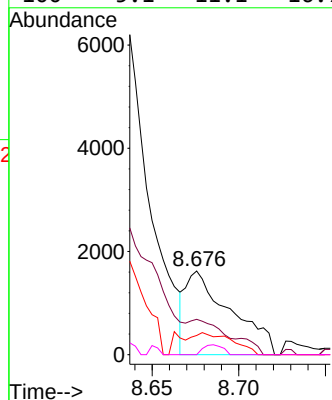
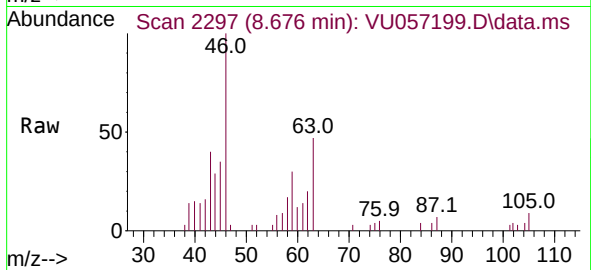




#48
2-Hexanone
Concen: 0.696 ug/L
RT: 8.676 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057199.D
Acq: 22 Dec 2023 18:58

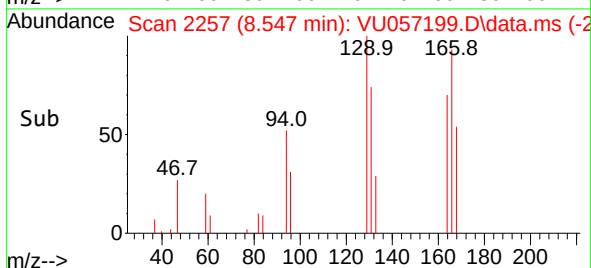
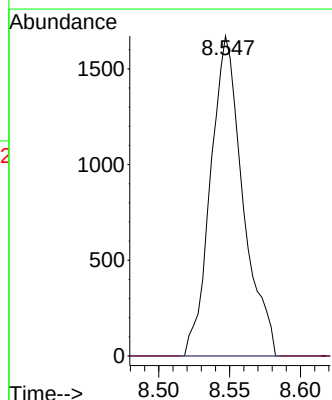
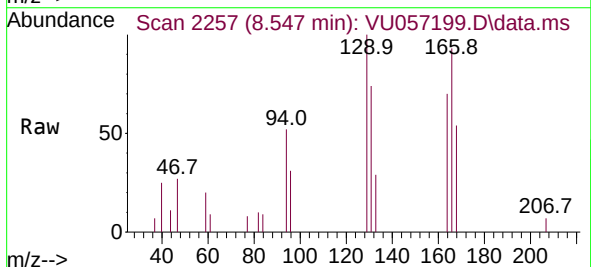
Instrument :
MSVOA_U
ClientSampleId :

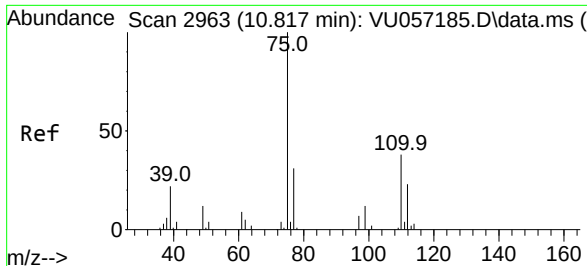
Tgt Ion: 43	Resp: 2921
Ion Ratio	Lower Upper
43 100	
58 0.0	49.8 74.8#
57 23.6	18.5 27.7
100 5.1	11.1 16.7#



#49
Dibromochloromethane
Concen: 0.226 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.257 min
Lab File: VU057199.D
Acq: 22 Dec 2023 18:58

Tgt Ion:129	Resp:	2656	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.2	102.6#

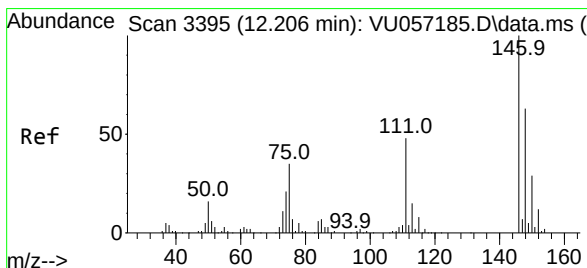
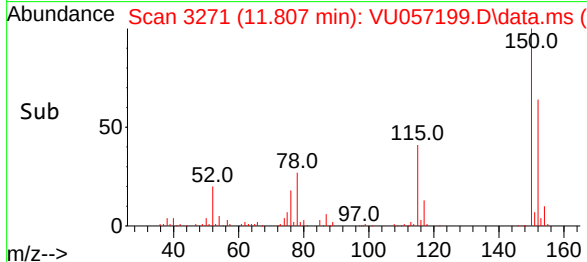
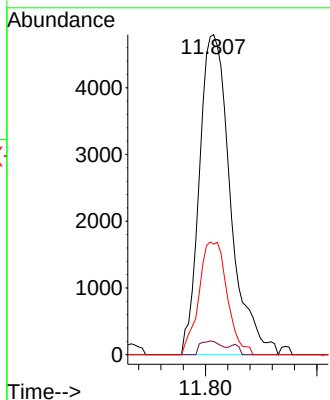
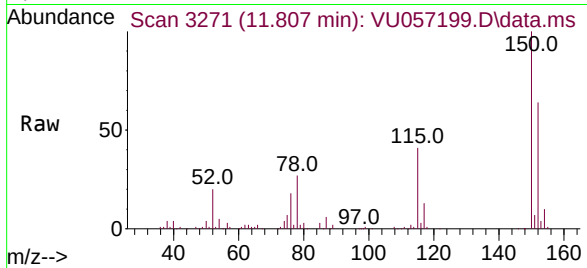




#61
1,2,3-Trichloropropane
Concen: 1.353 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU057199.D
Acq: 22 Dec 2023 18:58

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 9273
Ion Ratio Lower Upper
75 100
110 3.1 31.2 46.8#
77 32.0 25.5 38.3



#67
1,2-Dichlorobenzene
Concen: 0.317 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU057199.D
Acq: 22 Dec 2023 18:58

Tgt Ion:146 Resp: 7270
Ion Ratio Lower Upper
146 100
111 57.4 37.9 56.9#
148 77.1 50.1 75.1#

