

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057107.D
 Acq On : 20 Dec 2023 21:42
 Operator : MD/SY
 Sample : 05894-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 04:59:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 01:34:13 2023
 Response via : Initial Calibration

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

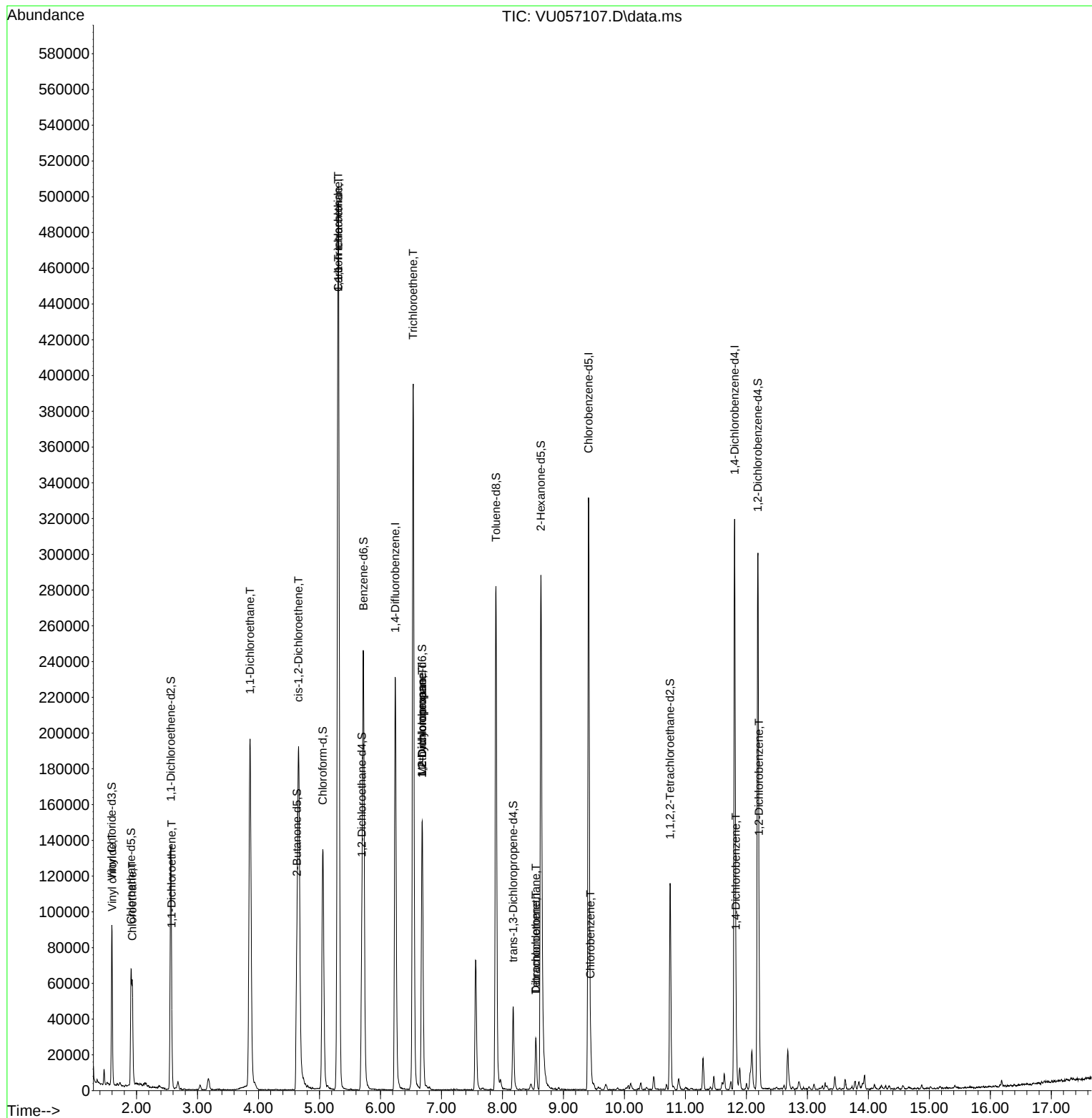
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	183851	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	184197	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	83428	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	54307	3.446	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.000%
7) Chloroethane-d5	1.911	69	48784	4.137	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.563	65	26464	3.925	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.400%
20) 2-Butanone-d5	4.631	46	130444	41.914	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.820%
24) Chloroform-d	5.055	84	131860	4.419	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.695	65	63769	4.516	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.721	84	228913	4.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
36) 1,2-Dichloropropane-d6	6.685	67	70940	3.967	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.400%
41) Toluene-d8	7.894	98	195353	3.826	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.600%
43) trans-1,3-Dichloroprop...	8.177	79	26730	3.854	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.000%
46) 2-Hexanone-d5	8.631	63	101803	38.922	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.840%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	57023	4.407	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	73340	4.472	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	10048	0.534	ug/L	90
8) Chloroethane	1.933	64	31711	2.878	ug/L	89
12) 1,1-Dichloroethene	2.576	96	2183	0.146	ug/L #	1
19) 1,1-Dichloroethane	3.862	63	224783	7.722	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	85087	5.168	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	374687	14.072	ug/L	99
31) Carbon tetrachloride	5.309	117	45188	1.953	ug/L	100
34) Trichloroethene	6.537	95	144028	8.111	ug/L	96
35) Methylcyclohexane	6.685	83	18010	0.687	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	8149	0.492	ug/L #	89
47) Tetrachloroethene	8.550	164	6402	0.515	ug/L	95
49) Dibromochloromethane	8.547	129	6666	0.518	ug/L #	11
51) Chlorobenzene	9.444	112	10820	0.253	ug/L	93
65) 1,4-Dichlorobenzene	11.830	146	7439	0.242	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	15924	0.561	ug/L	93

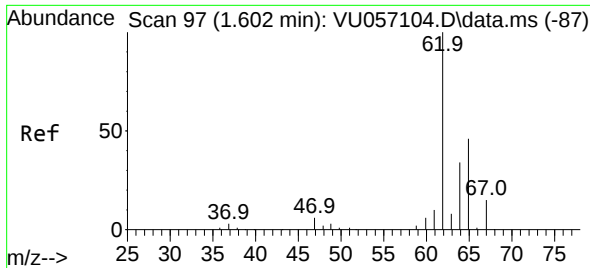
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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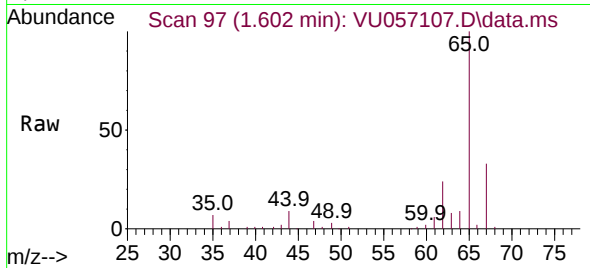
Quant Time: Dec 21 04:59:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 21 01:34:13 2023
Response via : Initial Calibration



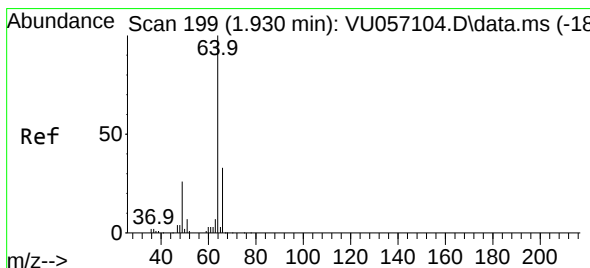
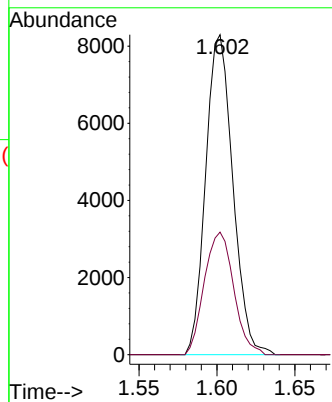
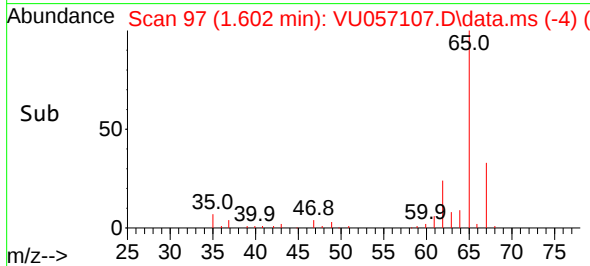


#5
 Vinyl chloride
 Concen: 0.534 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057107.D
 Acq: 20 Dec 2023 21:42

Instrument :
 MSVOA_U
 ClientSampleId :

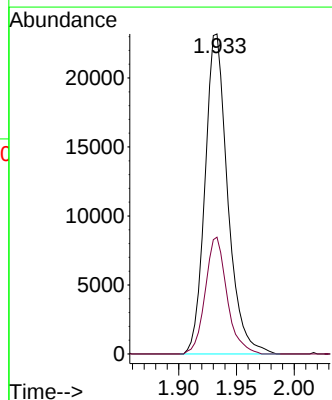
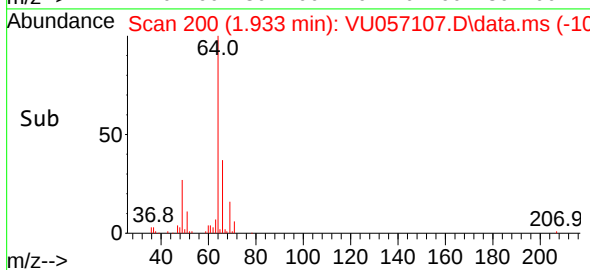
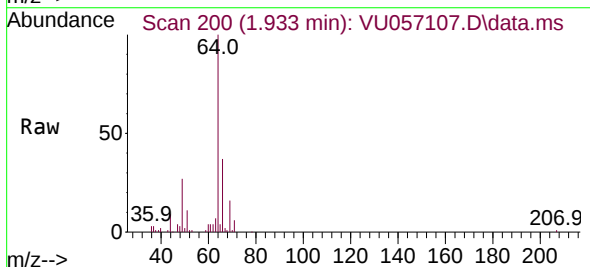


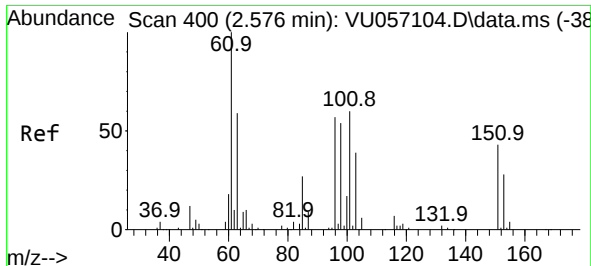
Tgt Ion: 62 Resp: 10048
 Ion Ratio Lower Upper
 62 100
 64 38.3 22.8 42.4



#8
 Chloroethane
 Concen: 2.878 ug/L
 RT: 1.933 min Scan# 200
 Delta R.T. 0.003 min
 Lab File: VU057107.D
 Acq: 20 Dec 2023 21:42

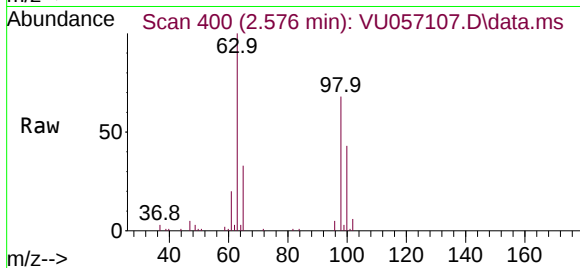
Tgt Ion: 64 Resp: 31711
 Ion Ratio Lower Upper
 64 100
 66 36.5 21.4 39.8



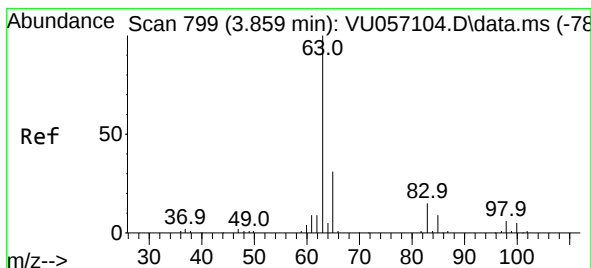
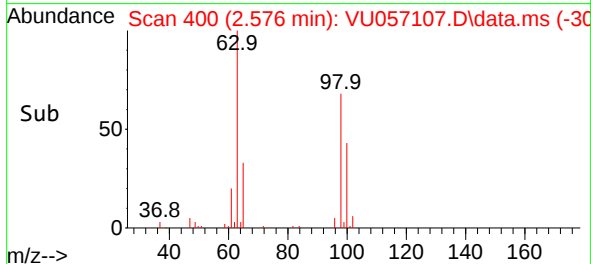
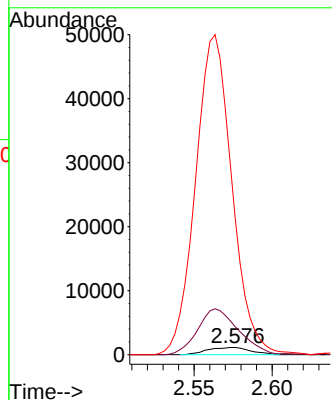


#12
1,1-Dichloroethene
Concen: 0.146 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU057107.D
Acq: 20 Dec 2023 21:42

Instrument :
MSVOA_U
ClientSampleId :

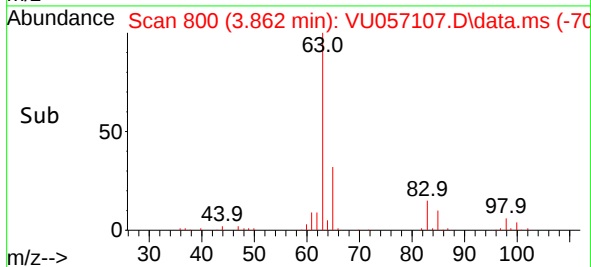
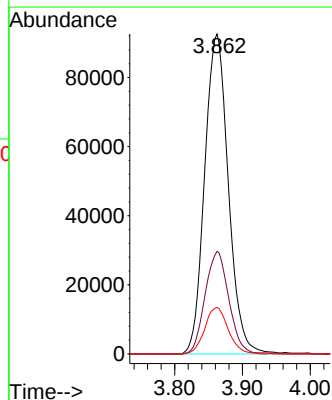
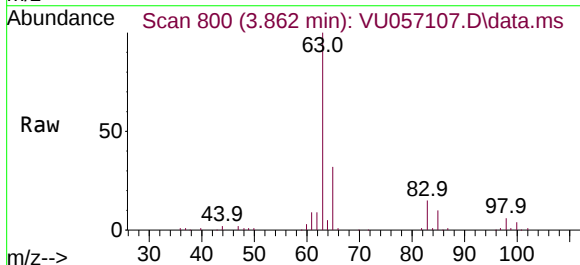


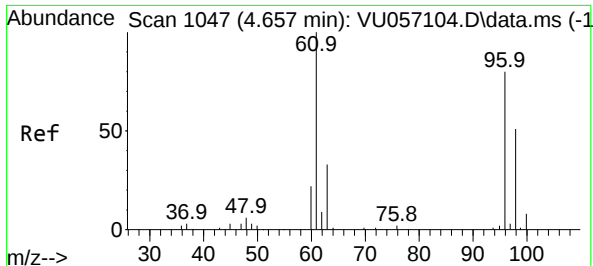
Tgt Ion: 96 Resp: 2183
Ion Ratio Lower Upper
96 100
61 386.3 119.0 221.0#
63 1893.4 88.7 164.7#



#19
1,1-Dichloroethane
Concen: 7.722 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU057107.D
Acq: 20 Dec 2023 21:42

Tgt Ion: 63 Resp: 224783
Ion Ratio Lower Upper
63 100
65 32.0 22.9 42.5
83 14.5 10.1 18.9

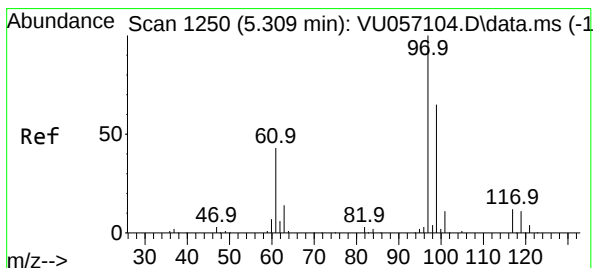
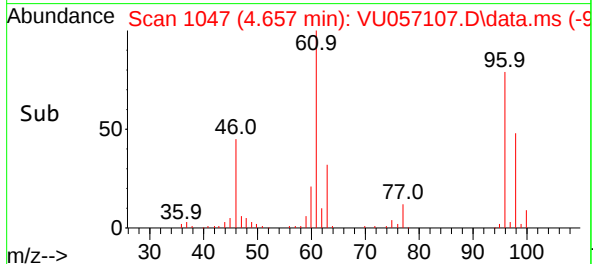
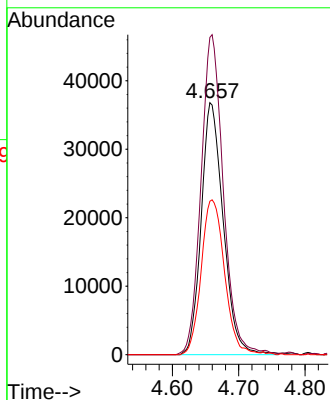
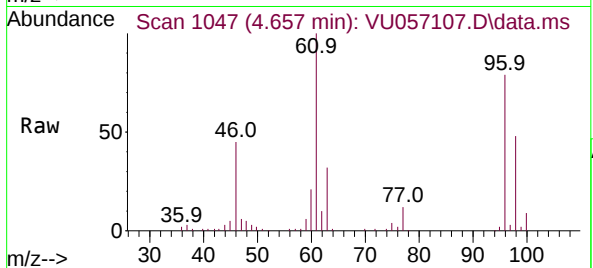




#22
 cis-1,2-Dichloroethene
 Concen: 5.168 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU057107.D
 Acq: 20 Dec 2023 21:42

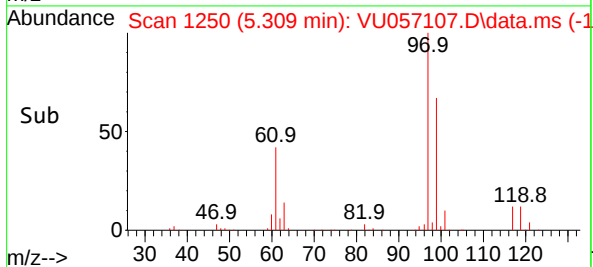
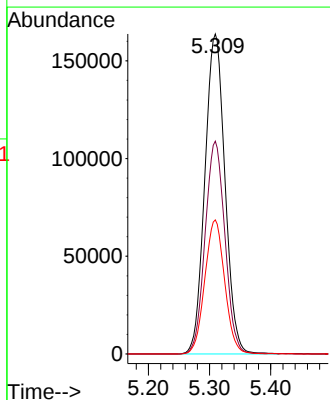
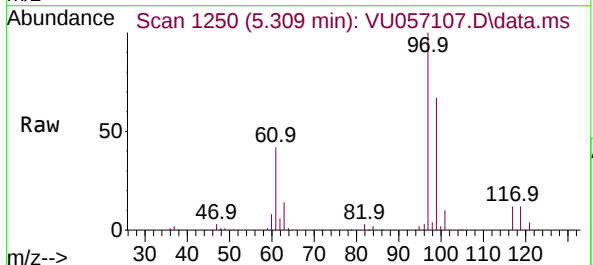
Instrument :
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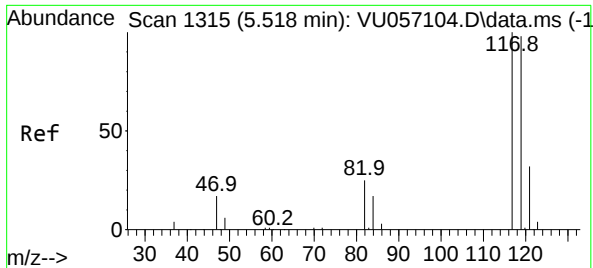
Tgt Ion: 96 Resp: 85087
 Ion Ratio Lower Upper
 96 100
 61 125.8 91.3 169.6
 98 60.9 44.2 82.0



#29
 1,1,1-Trichloroethane
 Concen: 14.072 ug/L
 RT: 5.309 min Scan# 1250
 Delta R.T. -0.000 min
 Lab File: VU057107.D
 Acq: 20 Dec 2023 21:42

Tgt Ion: 97 Resp: 374687
 Ion Ratio Lower Upper
 97 100
 99 65.5 52.5 78.7
 61 41.5 34.2 51.2

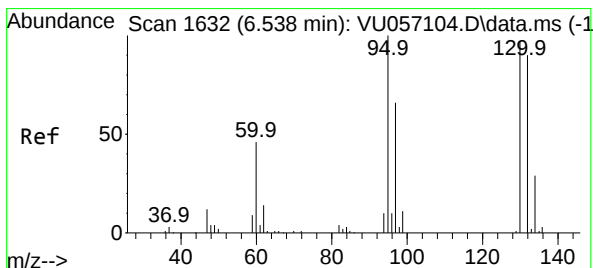
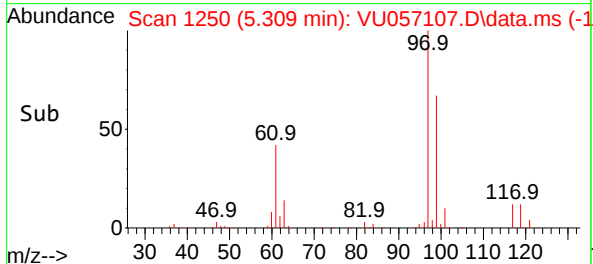
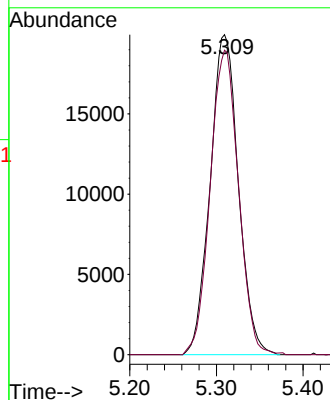
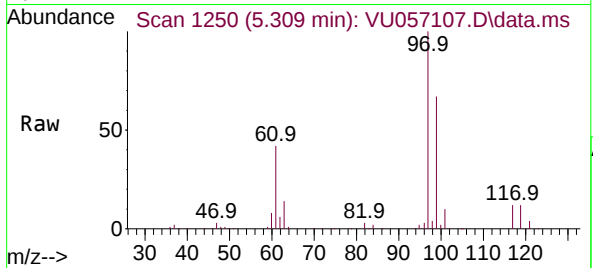




#31
Carbon tetrachloride
Concen: 1.953 ug/L
RT: 5.309 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU057107.D
Acq: 20 Dec 2023 21:42

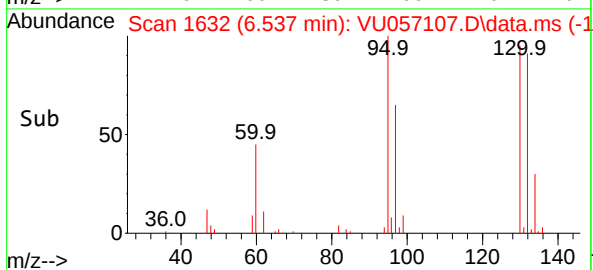
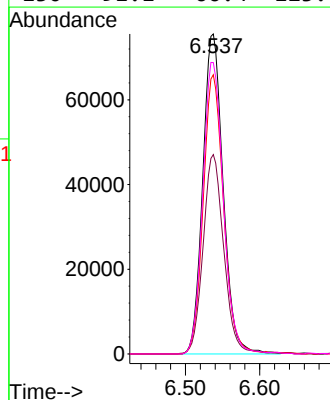
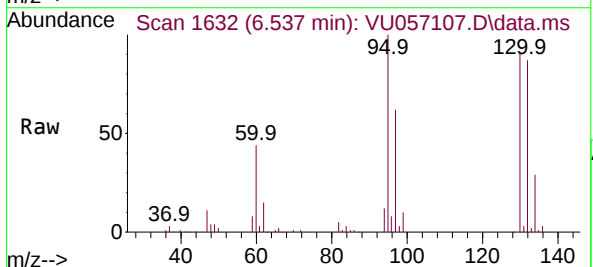
Instrument :
MSVOA_U
ClientSampleId :

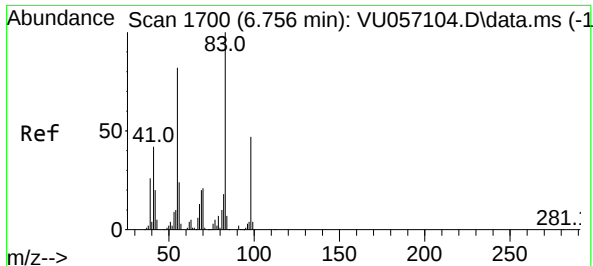
Tgt Ion:117 Resp: 45188
Ion Ratio Lower Upper
117 100
119 95.3 76.2 114.4



#34
Trichloroethene
Concen: 8.111 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU057107.D
Acq: 20 Dec 2023 21:42

Tgt Ion: 95 Resp: 144028
Ion Ratio Lower Upper
95 100
97 62.3 46.1 85.5
132 87.3 63.6 118.0
130 91.1 66.4 123.4

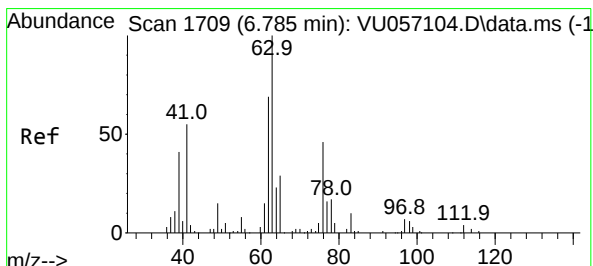
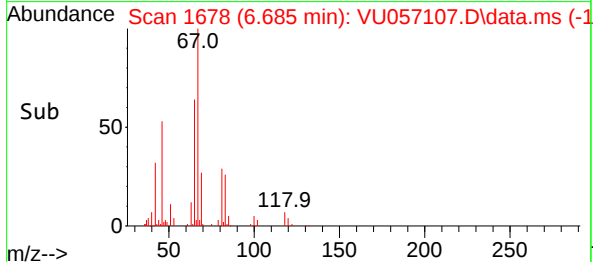
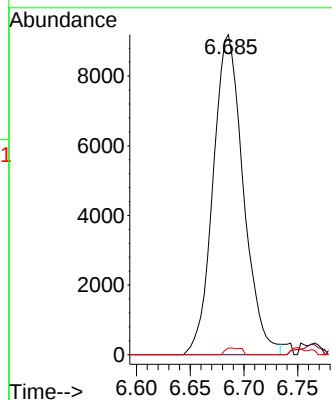
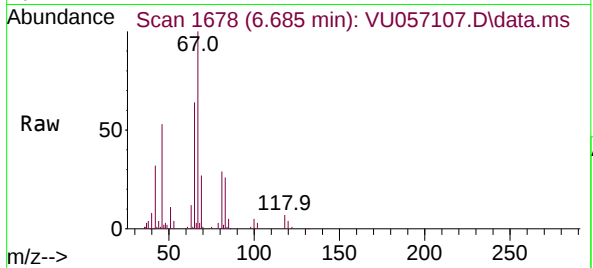




#35
Methylcyclohexane
Concen: 0.687 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU057107.D
Acq: 20 Dec 2023 21:42

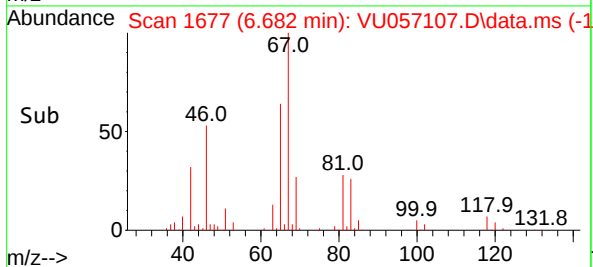
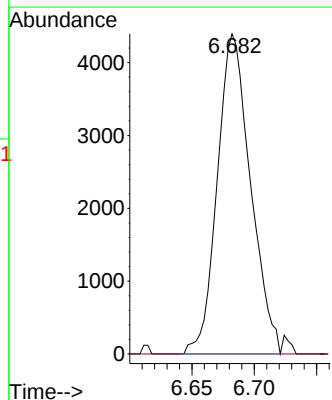
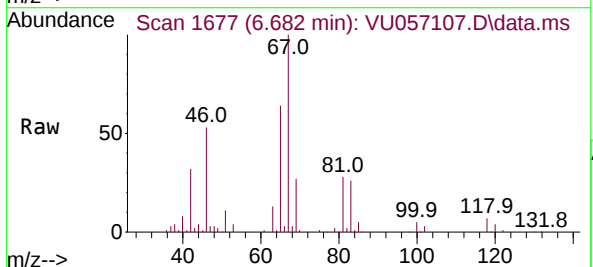
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MSVOA_U
ClientSampleId :

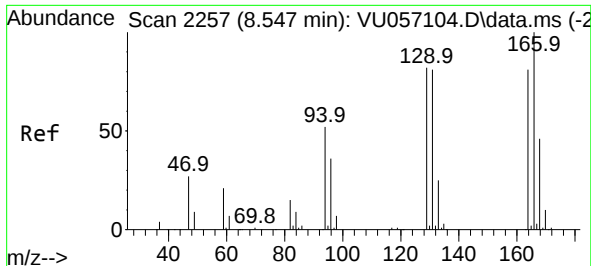
Tgt Ion: 83 Resp: 18010
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 1.1 36.1 54.1#



#37
1,2-Dichloropropane
Concen: 0.492 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.103 min
Lab File: VU057107.D
Acq: 20 Dec 2023 21:42

Tgt Ion: 63 Resp: 8149
Ion Ratio Lower Upper
63 100
112 0.6 3.3 4.9#





#47

Tetrachloroethene

Concen: 0.515 ug/L

RT: 8.550 min Scan# 21

Delta R.T. 0.003 min

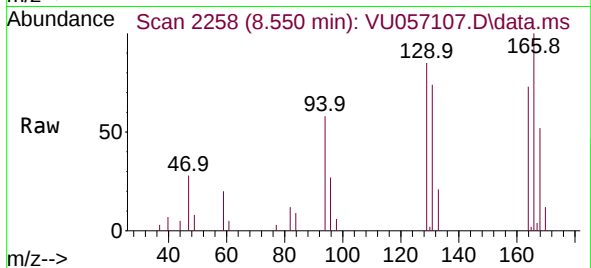
Lab File: VU057107.D

Acq: 20 Dec 2023 21:42

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 6402

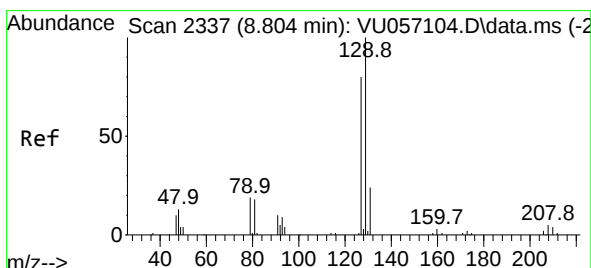
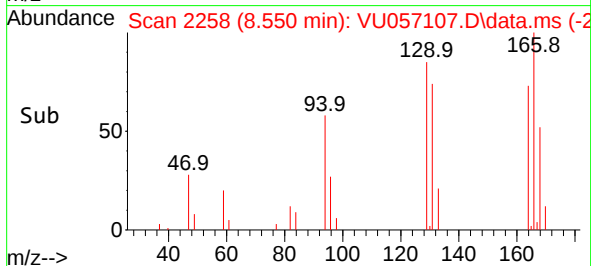
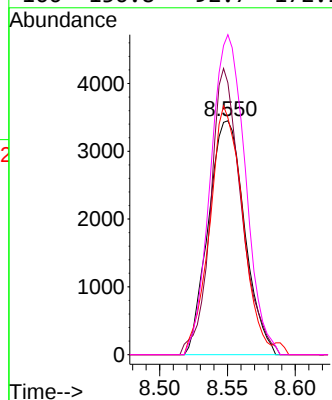
Ion Ratio Lower Upper

164 100

129 116.2 73.4 136.4

131 101.3 71.5 132.9

166 136.8 92.7 172.1



#49

Dibromochloromethane

Concen: 0.518 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.257 min

Lab File: VU057107.D

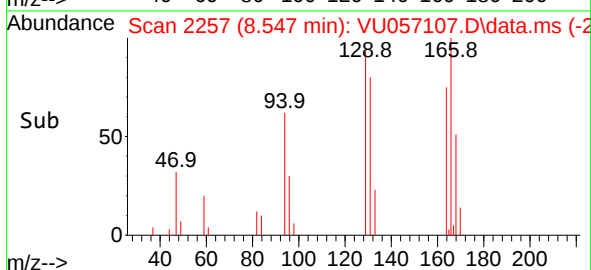
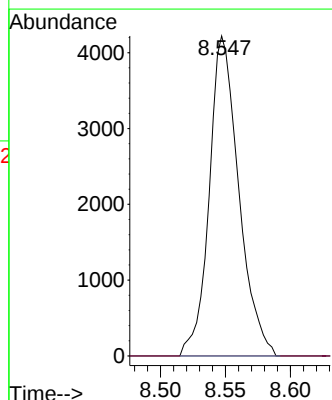
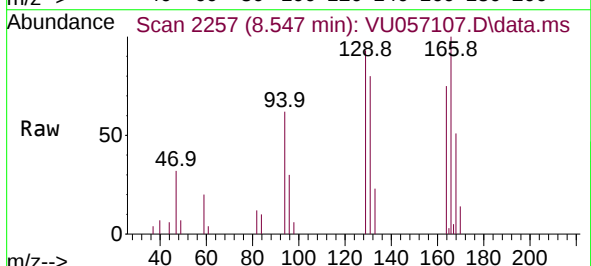
Acq: 20 Dec 2023 21:42

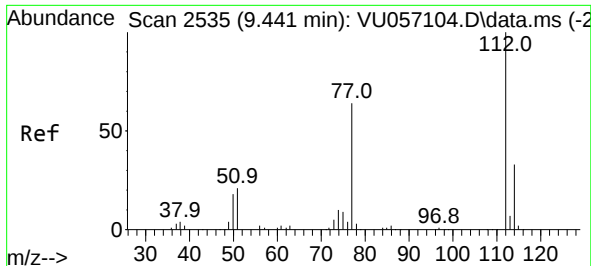
Tgt Ion:129 Resp: 6666

Ion Ratio Lower Upper

129 100

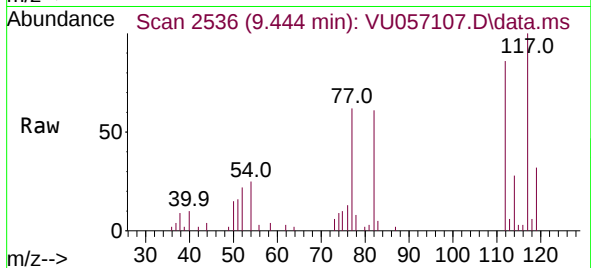
127 0.0 53.9 100.1#



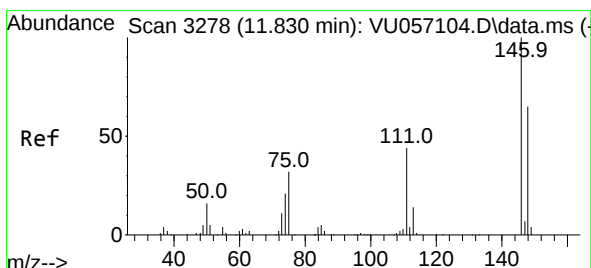
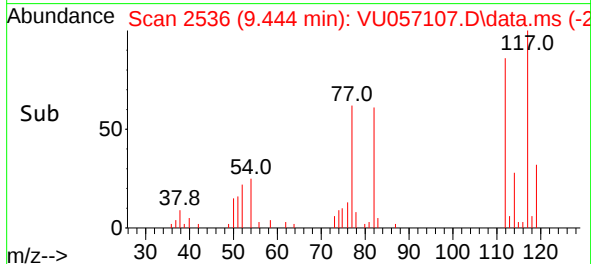
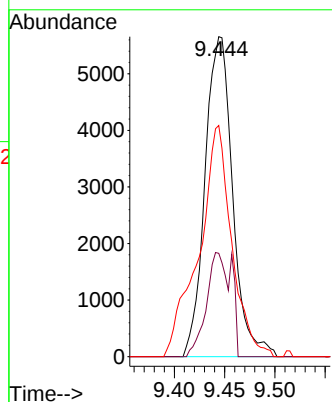


#51
Chlorobenzene
Concen: 0.253 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057107.D
Acq: 20 Dec 2023 21:42

Instrument :
MSVOA_U
ClientSampleId :

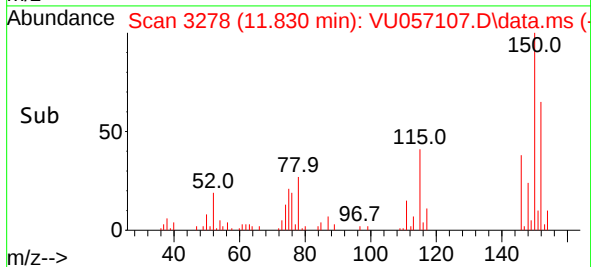
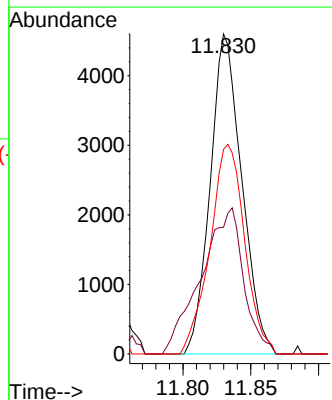
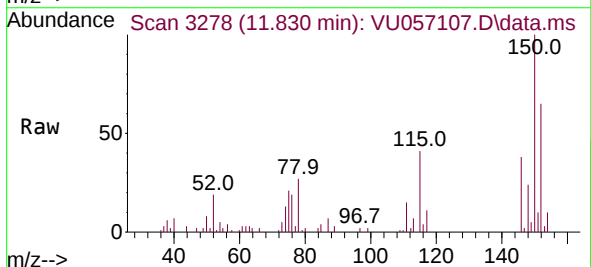


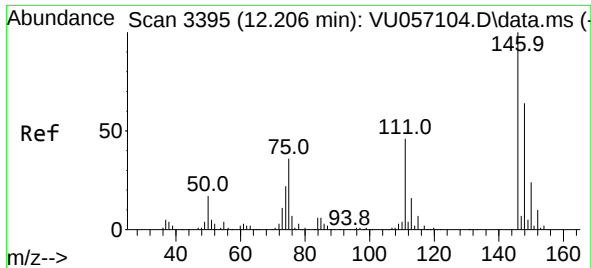
Tgt Ion:112 Resp: 10820
Ion Ratio Lower Upper
112 100
114 32.3 21.9 40.7
77 72.2 51.6 77.4



#65
1,4-Dichlorobenzene
Concen: 0.242 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU057107.D
Acq: 20 Dec 2023 21:42

Tgt Ion:146 Resp: 7439
Ion Ratio Lower Upper
146 100
111 39.6 31.2 58.0
148 64.0 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 0.561 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

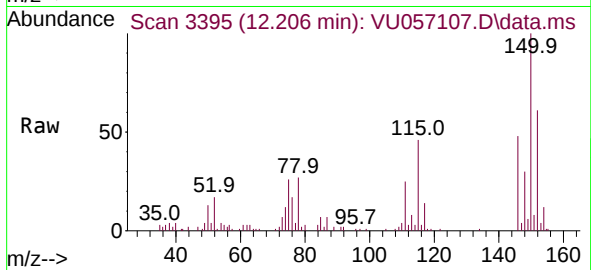
Lab File: VU057107.D

Acq: 20 Dec 2023 21:42

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 15924

Ion Ratio Lower Upper

146 100

111 53.7 36.9 55.3

148 63.2 53.0 79.4

