

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057148.D
 Acq On : 21 Dec 2023 20:50
 Operator : MD/SY
 Sample : 05894-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 23:33:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:30:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	150955	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	149250	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	66140	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	73315	5.081	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.600%
7) Chloroethane-d5	1.914	69	60790	5.118	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.400%
11) 1,1-Dichloroethene-d2	2.563	65	32415	5.185	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.800%
20) 2-Butanone-d5	4.624	46	130798	57.738	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.480%
24) Chloroform-d	5.055	84	140778	5.052	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
26) 1,2-Dichloroethane-d4	5.695	65	71740	5.402	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.000%
32) Benzene-d6	5.721	84	258472	5.049	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	6.685	67	76902	5.279	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.600%
41) Toluene-d8	7.894	98	222626	4.763	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
43) trans-1,3-Dichloroprop...	8.177	79	30685	5.060	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.200%
46) 2-Hexanone-d5	8.631	63	112116	54.303	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.600%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	54793	5.286	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	76901	5.403	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.000%

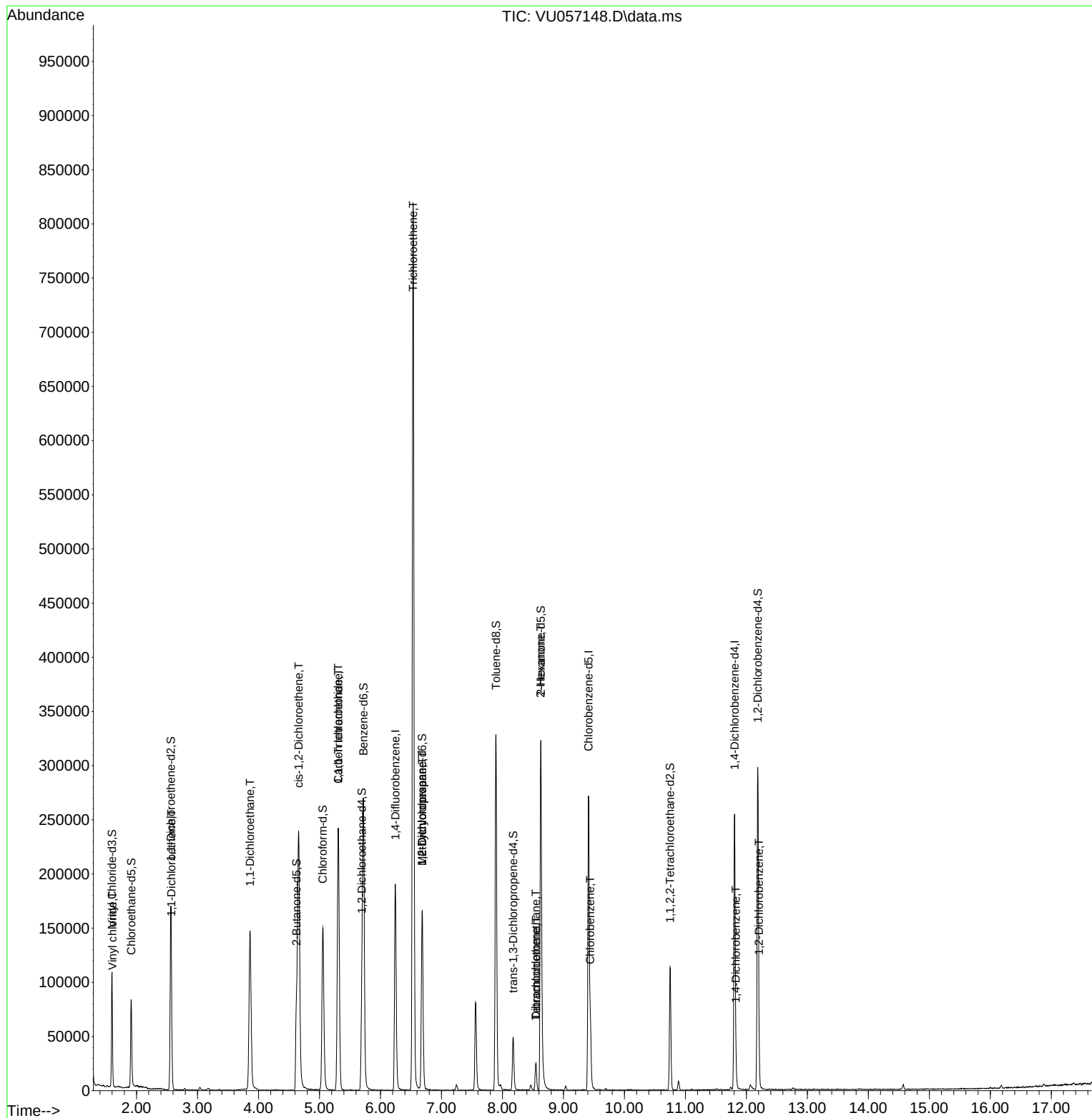
Target Compounds				Qvalue		
5) Vinyl chloride	1.605	62	1901	0.144	ug/L #	19
12) 1,1-Dichloroethene	2.573	96	4340	0.385	ug/L #	1
19) 1,1-Dichloroethane	3.862	63	164103	7.514	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	116703	9.629	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	184171	7.765	ug/L	100
31) Carbon tetrachloride	5.309	117	22249	1.066	ug/L	96
34) Trichloroethene	6.537	95	289550	20.927	ug/L	98
35) Methylcyclohexane	6.685	83	19989	1.097	ug/L #	19
37) 1,2-Dichloropropane	6.685	63	9235	0.785	ug/L #	88
47) Tetrachloroethene	8.553	164	5641	0.569	ug/L	92
48) 2-Hexanone	8.627	43	13514	3.590	ug/L #	77
49) Dibromochloromethane	8.547	129	5910	0.561	ug/L #	10
51) Chlorobenzene	9.441	112	31278	0.958	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	3953	0.170	ug/L	86
67) 1,2-Dichlorobenzene	12.206	146	3766	0.183	ug/L	94

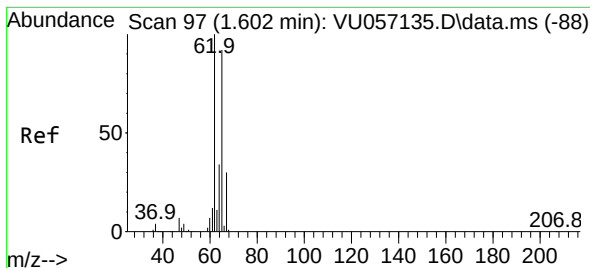
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.144 ug/L

RT: 1.605 min Scan# 91

Delta R.T. 0.003 min

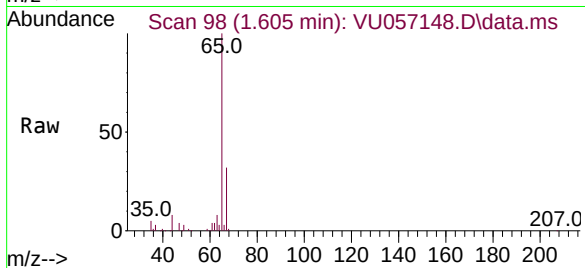
Lab File: VU057148.D

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Instrument :

MSVOA_U

ClientSampleId :

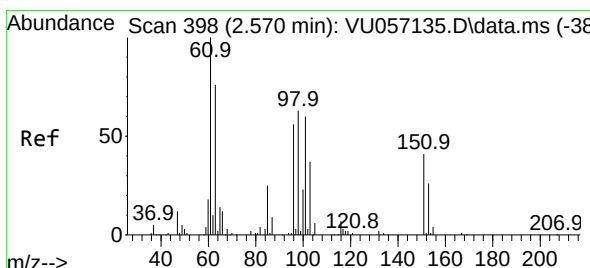
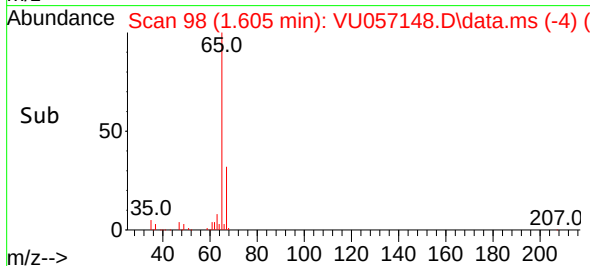
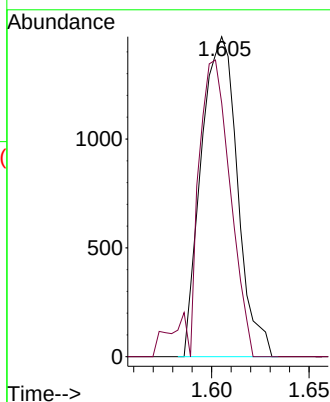


Tgt Ion: 62 Resp: 1901

Ion Ratio Lower Upper

62 100

64 79.2 23.3 43.3#



#12

1,1-Dichloroethene

Concen: 0.385 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.003 min

Lab File: VU057148.D

Acq: 21 Dec 2023 20:50

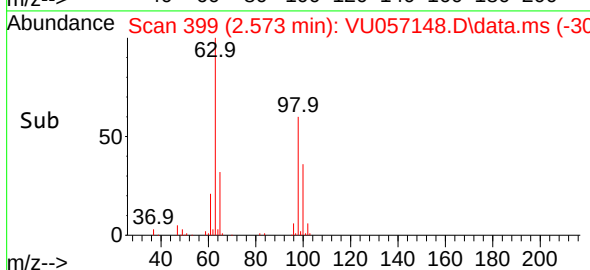
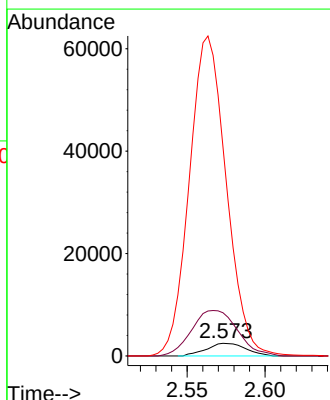
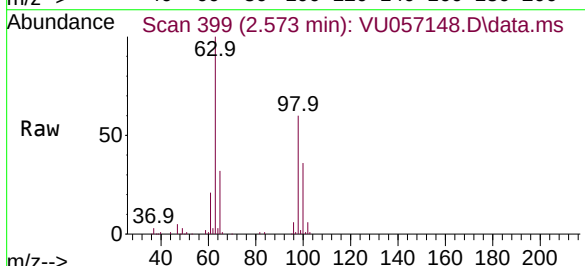
Tgt Ion: 96 Resp: 4340

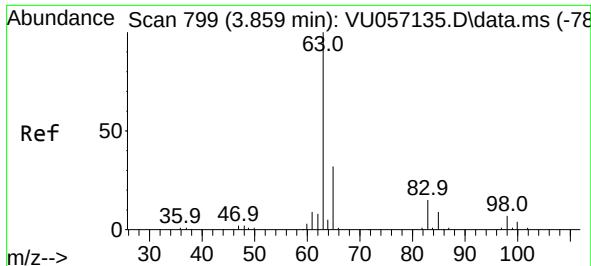
Ion Ratio Lower Upper

96 100

61 341.5 119.6 222.0#

63 1649.8 96.2 178.8#





#19

1,1-Dichloroethane

Concen: 7.514 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU057148.D

Acq: 21 Dec 2023 20:50

Instrument :

MSVOA_U

ClientSampleId :

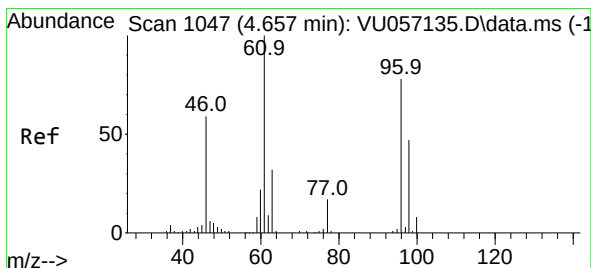
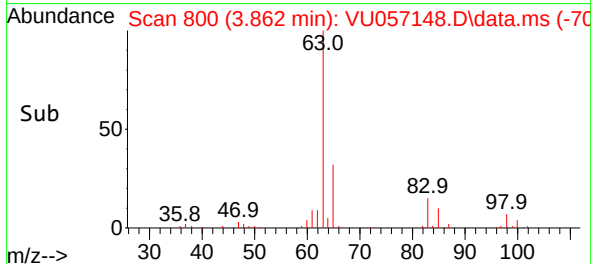
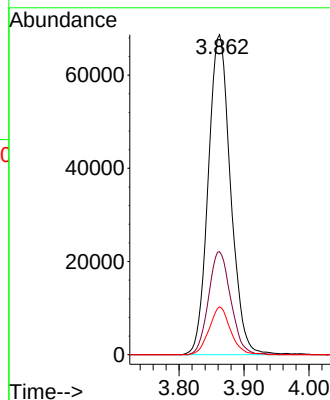
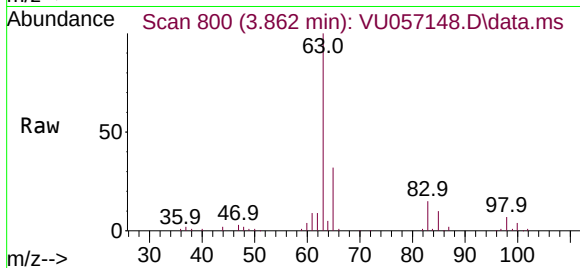
Tgt Ion: 63 Resp: 164103

Ion Ratio Lower Upper

63 100

65 32.2 21.6 40.2

83 15.0 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 9.629 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU057148.D

Acq: 21 Dec 2023 20:50

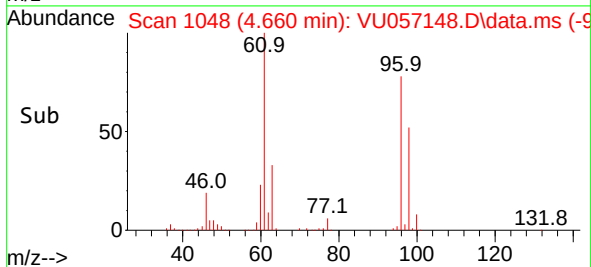
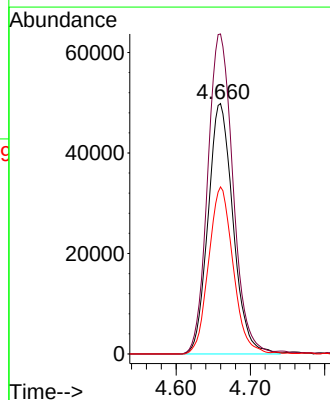
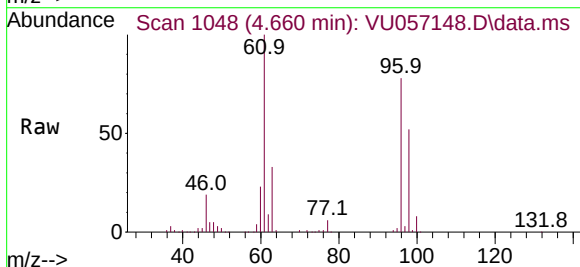
Tgt Ion: 96 Resp: 116703

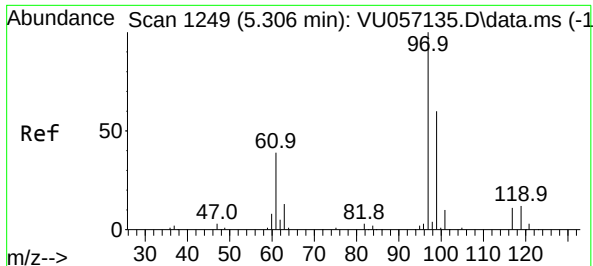
Ion Ratio Lower Upper

96 100

61 127.8 86.8 161.2

98 66.7 45.5 84.5





#29

1,1,1-Trichloroethane

Concen: 7.765 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.003 min

Lab File: VU057148.D

Acq: 21 Dec 2023 20:50

Instrument :

MSVOA_U

ClientSampleId :

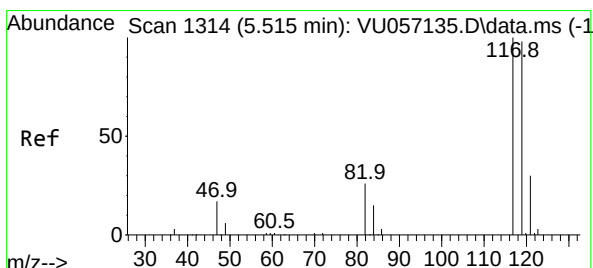
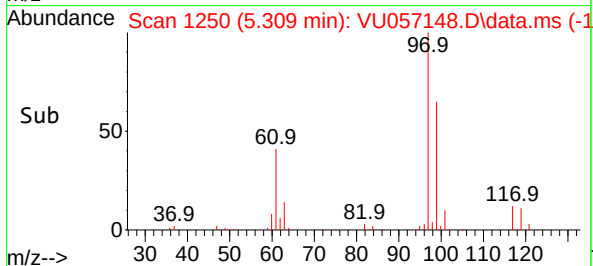
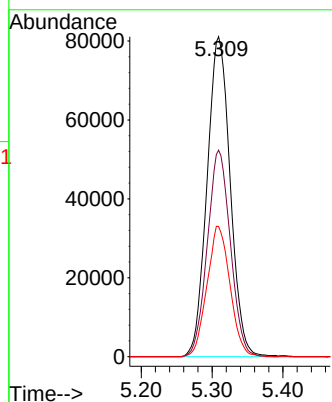
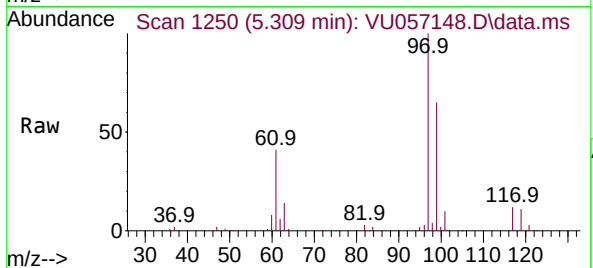
Tgt Ion: 97 Resp: 184171

Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

61 40.5 32.5 48.7



#31

Carbon tetrachloride

Concen: 1.066 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.206 min

Lab File: VU057148.D

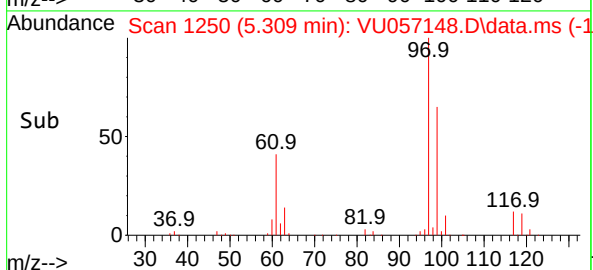
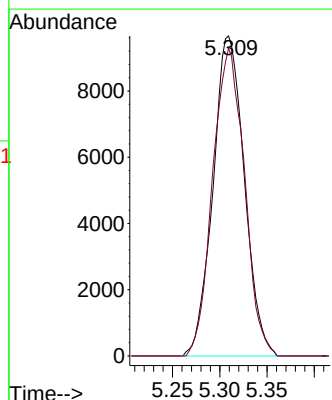
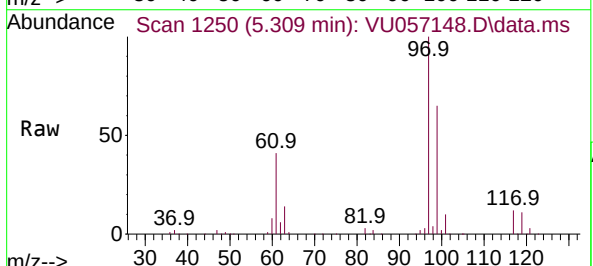
Acq: 21 Dec 2023 20:50

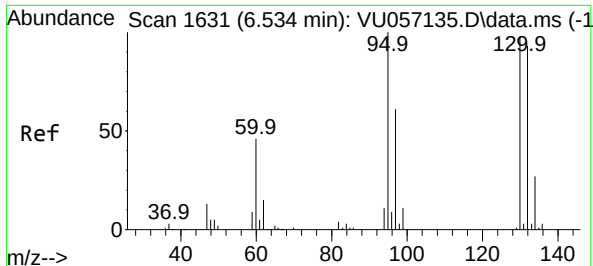
Tgt Ion: 117 Resp: 22249

Ion Ratio Lower Upper

117 100

119 97.4 75.1 112.7

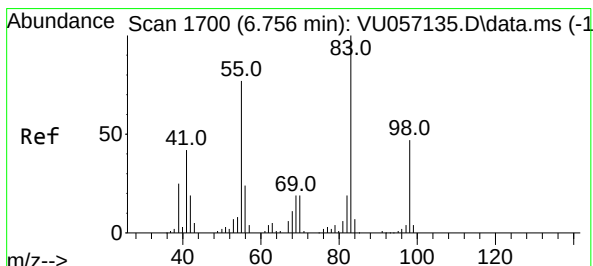
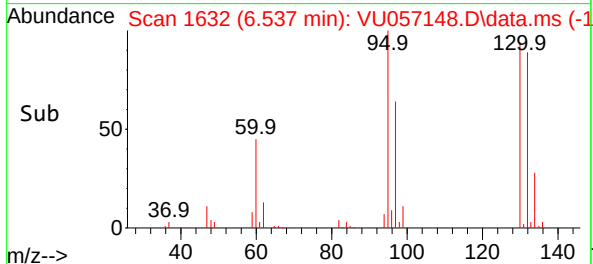
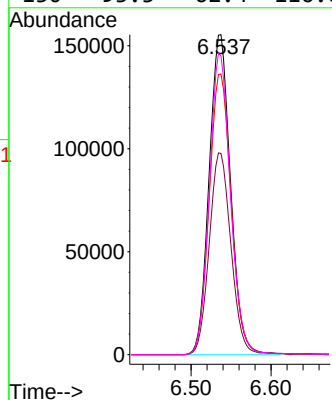
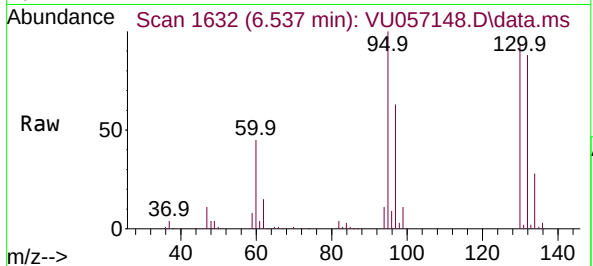




#34
Trichloroethene
Concen: 20.927 ug/L
RT: 6.537 min Scan# 1631
Delta R.T. 0.003 min
Lab File: VU057148.D
Acq: 21 Dec 2023 20:50

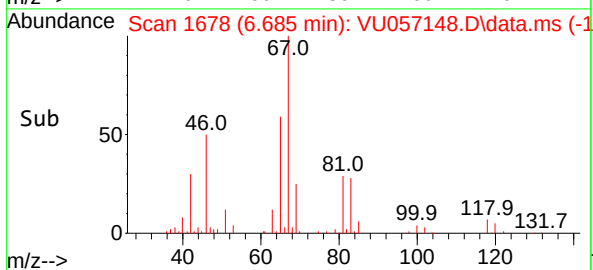
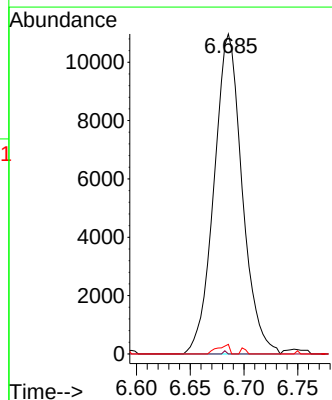
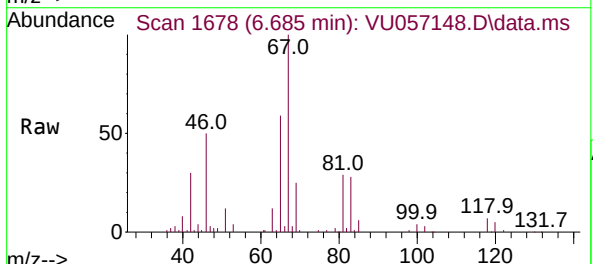
Instrument :
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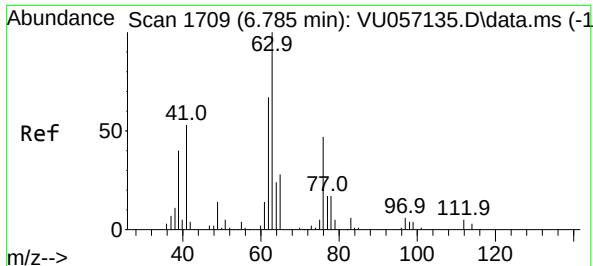
Tgt Ion: 95 Resp: 289550
Ion Ratio Lower Upper
95 100
97 62.9 44.3 82.3
132 87.7 62.6 116.2
130 93.3 62.4 116.0



#35
Methylcyclohexane
Concen: 1.097 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU057148.D
Acq: 21 Dec 2023 20:50

Tgt Ion: 83 Resp: 19989
Ion Ratio Lower Upper
83 100
55 0.1 61.3 91.9#
98 1.2 36.6 55.0#

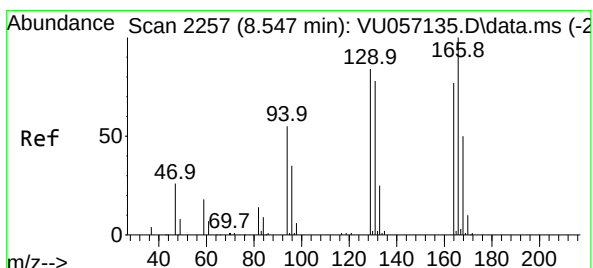
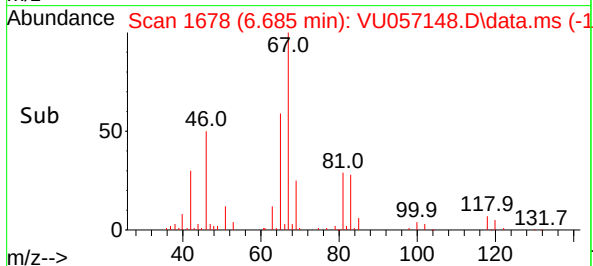
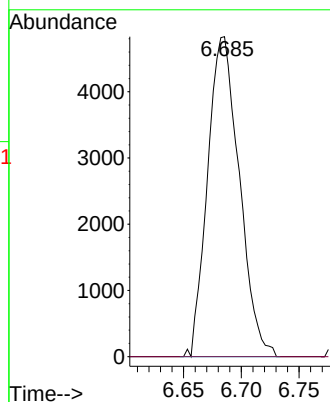
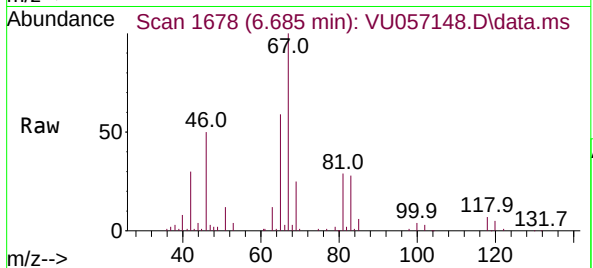




#37
1,2-Dichloropropane
Concen: 0.785 ug/L
RT: 6.685 min Scan# 11
Delta R.T. -0.100 min
Lab File: VU057148.D
Acq: 21 Dec 2023 20:50

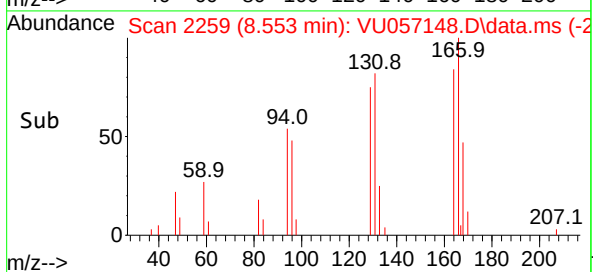
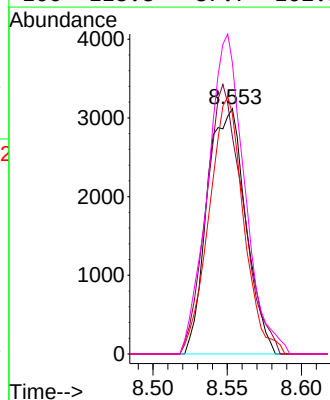
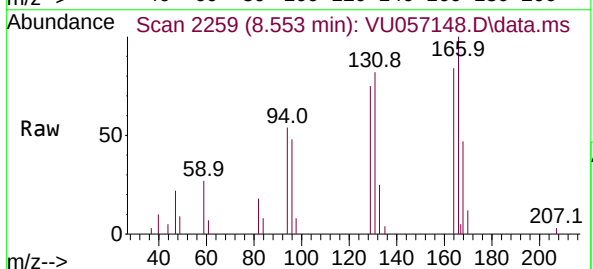
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MSVOA_U
ClientSampleId :

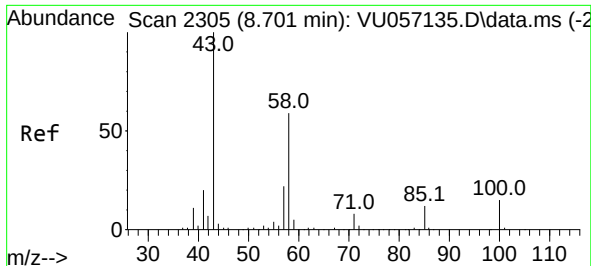
Tgt Ion: 63 Resp: 9235
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



#47
Tetrachloroethene
Concen: 0.569 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.006 min
Lab File: VU057148.D
Acq: 21 Dec 2023 20:50

Tgt Ion:164 Resp: 5641
Ion Ratio Lower Upper
164 100
129 88.6 72.9 135.3
131 97.9 71.7 133.3
166 118.8 87.7 162.9

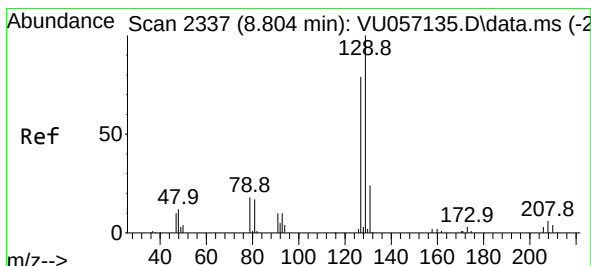
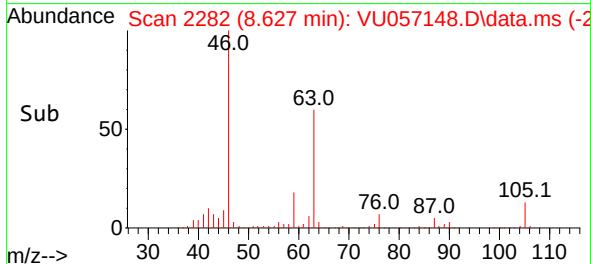
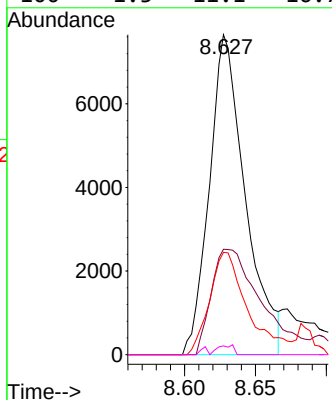
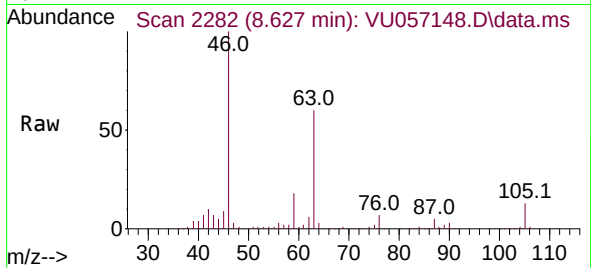




#48
2-Hexanone
Concen: 3.590 ug/L
RT: 8.627 min Scan# 21
Delta R.T. -0.074 min
Lab File: VU057148.D
Acq: 21 Dec 2023 20:50

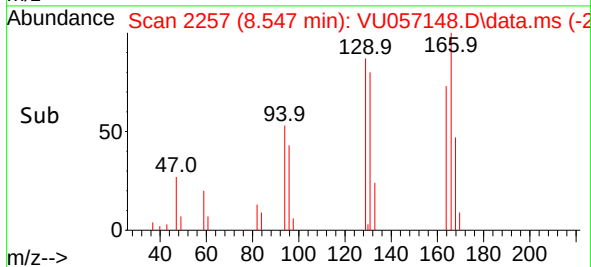
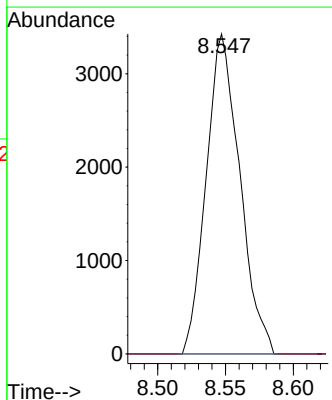
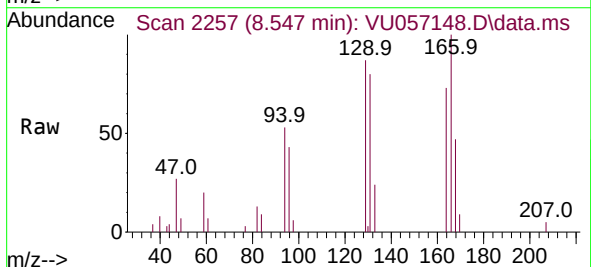
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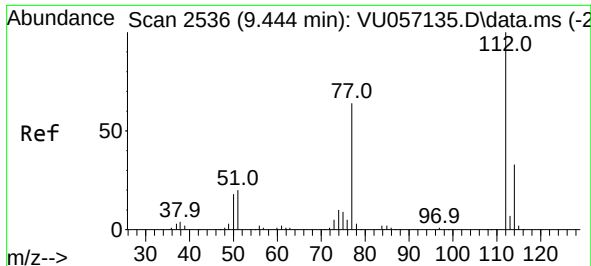
Tgt Ion: 43	Resp: 13514
Ion Ratio	Lower Upper
43 100	
58 46.0	49.8 74.8#
57 34.1	18.5 27.7#
100 1.3	11.1 16.7#



#49
Dibromochloromethane
Concen: 0.561 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.257 min
Lab File: VU057148.D
Acq: 21 Dec 2023 20:50

Tgt Ion: 129	Resp: 5910
Ion Ratio	Lower Upper
129 100	
127 0.0	55.2 102.6#

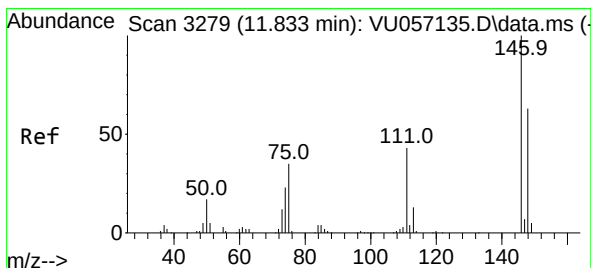
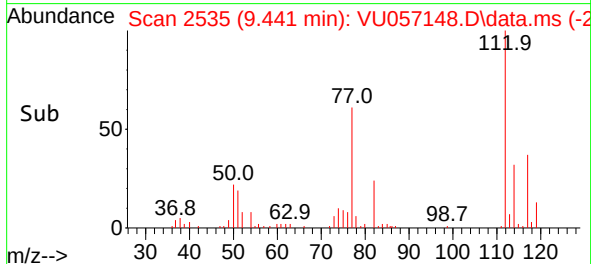
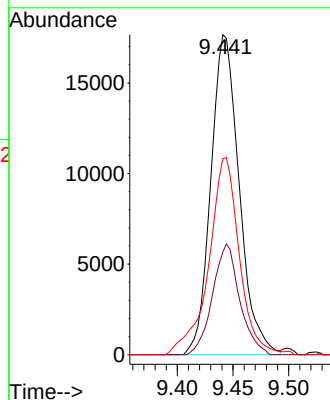
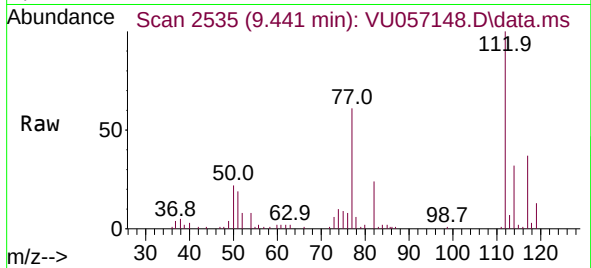




#51
Chlorobenzene
Concen: 0.958 ug/L
RT: 9.441 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057148.D
Acq: 21 Dec 2023 20:50

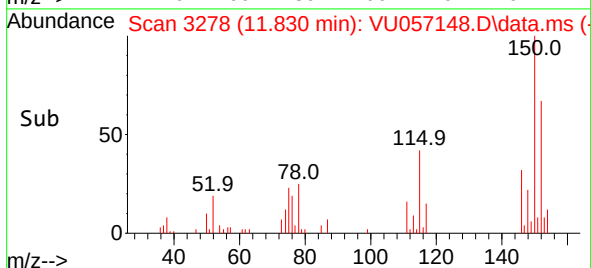
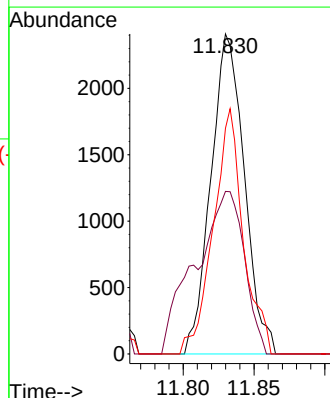
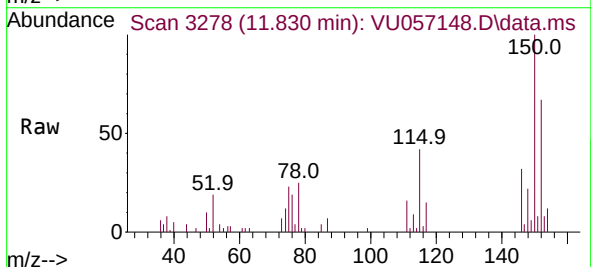
Instrument :
MSVOA_U
ClientSampleId :

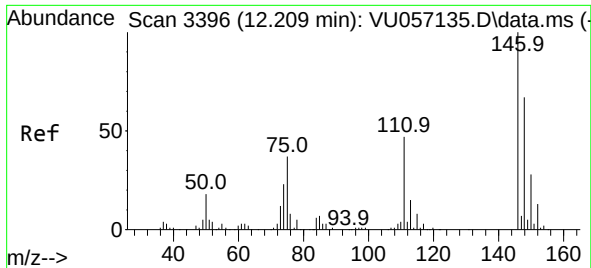
Tgt Ion:112 Resp: 31278
Ion Ratio Lower Upper
112 100
114 32.2 22.7 42.1
77 61.3 52.2 78.2



#65
1,4-Dichlorobenzene
Concen: 0.170 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU057148.D
Acq: 21 Dec 2023 20:50

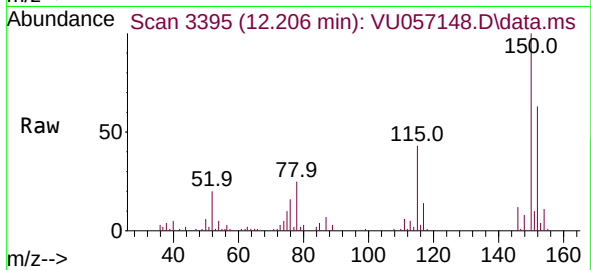
Tgt Ion:146 Resp: 3953
Ion Ratio Lower Upper
146 100
111 50.8 28.1 52.3
148 70.6 43.0 79.8





#67
 1,2-Dichlorobenzene
 Concen: 0.183 ug/L
 RT: 12.206 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU057148.D
 Acq: 21 Dec 2023 20:50

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	146	Resp:	3766
Ion	Ratio	Lower	Upper
146	100		
111	54.0	37.9	56.9
148	65.5	50.1	75.1

