

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122223\
 Data File : VU057201.D
 Acq On : 22 Dec 2023 19:46
 Operator : MD/SY
 Sample : 05894-09DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3L5DL

Quant Time: Dec 22 22:51:35 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)

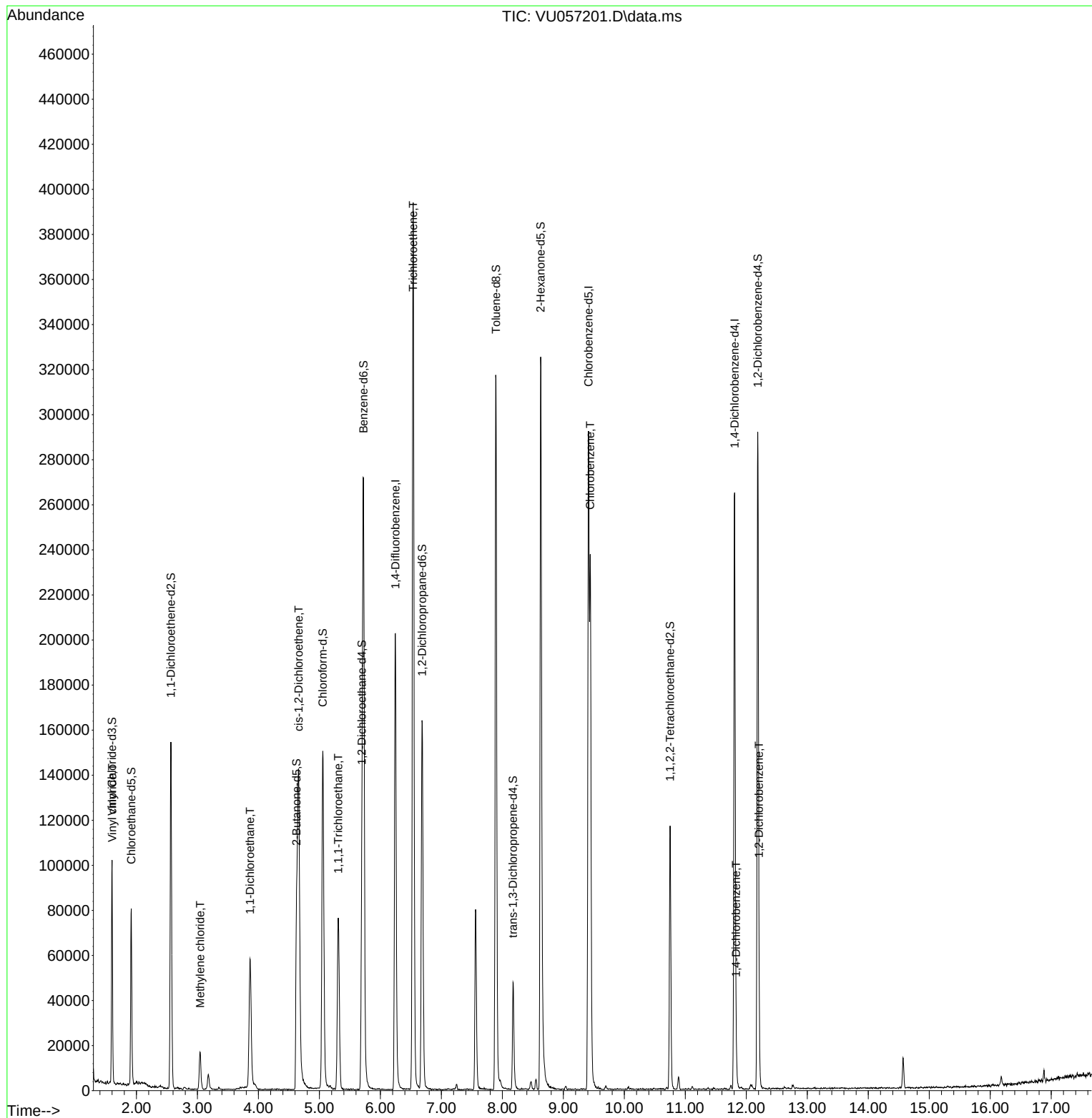
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	164597	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	164092	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	70890	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	64256	4.084	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.600%
7) Chloroethane-d5	1.914	69	58860	4.545	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.563	65	28714	4.213	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.200%
20) 2-Butanone-d5	4.624	46	138902	56.234	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.460%
24) Chloroform-d	5.055	84	146362	4.817	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.695	65	70862	4.894	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.721	84	264320	4.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.682	67	79836	4.985	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.894	98	216430	4.212	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	8.174	79	29740	4.461	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.627	63	110852	48.834	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.660%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	57561	5.051	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	74640	4.893	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
5) Vinyl chloride	1.602	62	8266	0.574	ug/L	89
16) Methylene chloride	3.043	84	8718	0.609	ug/L	87
19) 1,1-Dichloroethane	3.862	63	67193	2.822	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	60570	4.583	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	57886	2.220	ug/L	98
34) Trichloroethene	6.538	95	139235	9.153	ug/L	98
51) Chlorobenzene	9.441	112	122093	3.403	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	4639	0.187	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	6122	0.277	ug/L	97

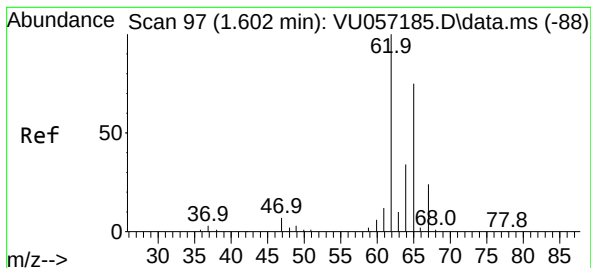
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.574 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU057201.D

Acq: 22 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

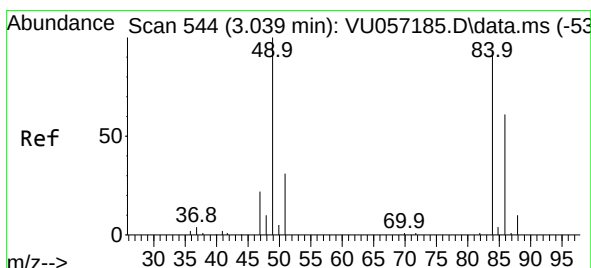
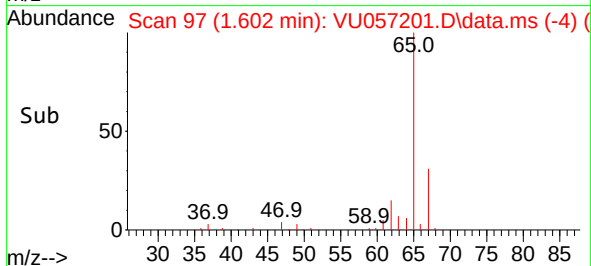
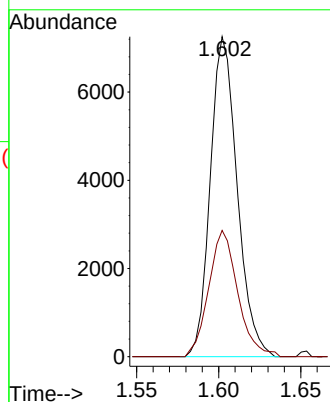
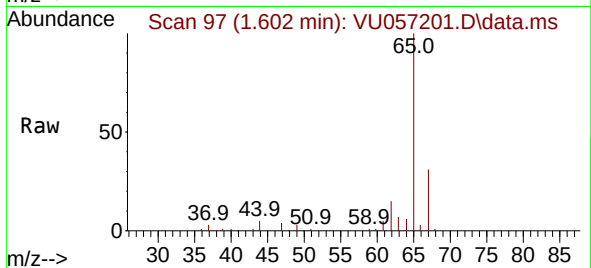
BH3L5DL

Tgt Ion: 62 Resp: 8266

Ion Ratio Lower Upper

62 100

64 39.4 23.3 43.3



#16

Methylene chloride

Concen: 0.609 ug/L

RT: 3.043 min Scan# 545

Delta R.T. 0.003 min

Lab File: VU057201.D

Acq: 22 Dec 2023 19:46

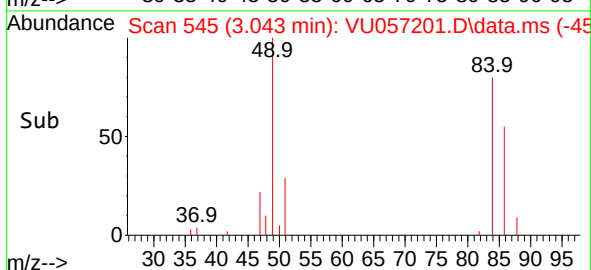
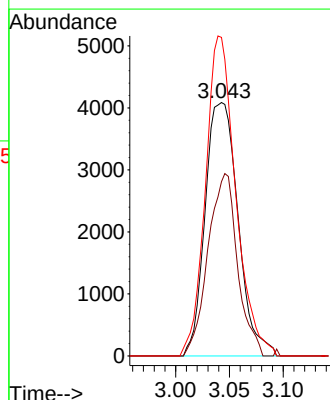
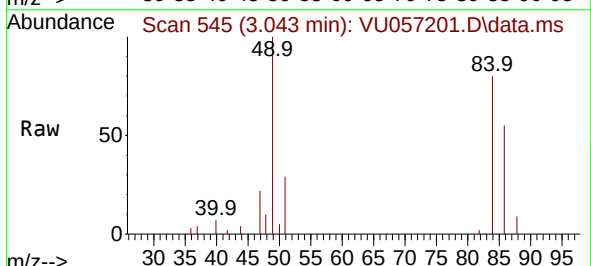
Tgt Ion: 84 Resp: 8718

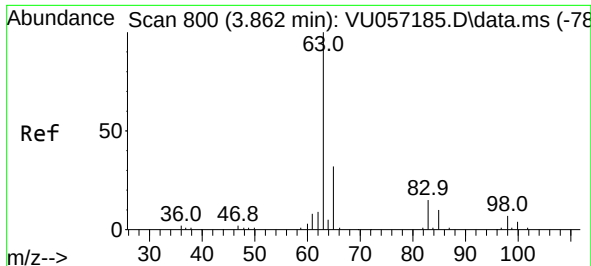
Ion Ratio Lower Upper

84 100

86 68.7 44.7 82.9

49 125.7 76.0 141.2





#19

1,1-Dichloroethane

Concen: 2.822 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU057201.D

Acq: 22 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

BH3L5DL

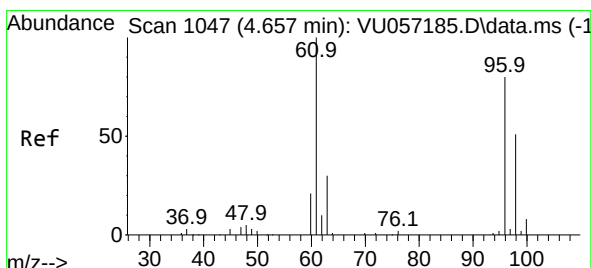
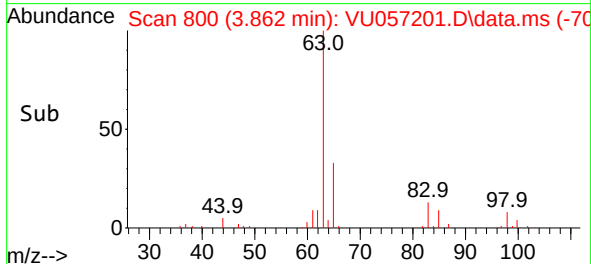
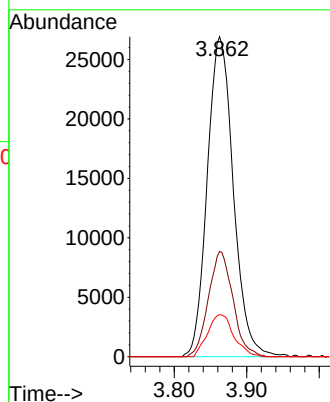
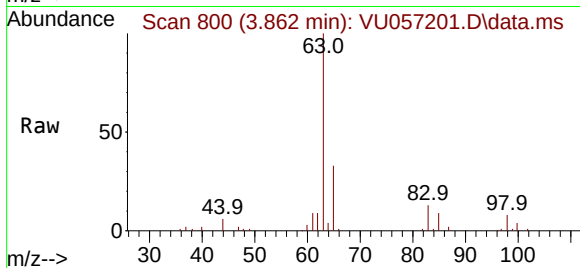
Tgt Ion: 63 Resp: 67193

Ion Ratio Lower Upper

63 100

65 32.9 21.6 40.2

83 13.2 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 4.583 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU057201.D

Acq: 22 Dec 2023 19:46

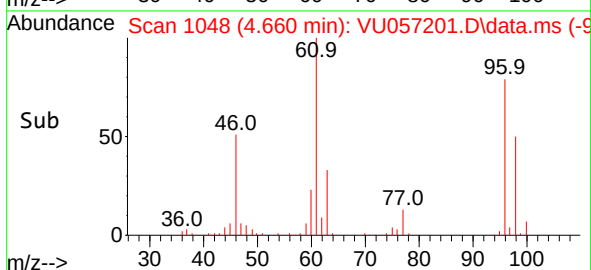
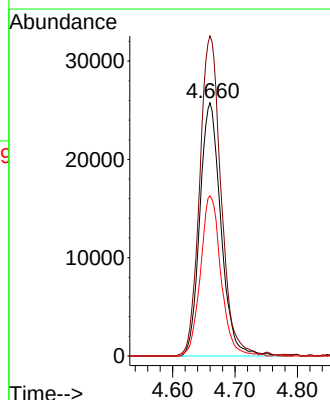
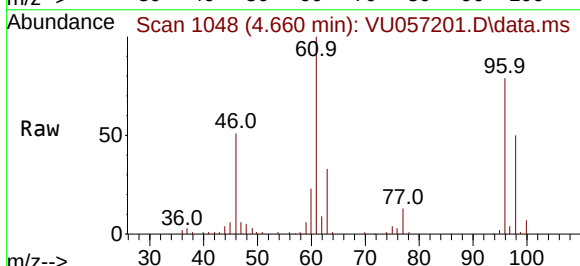
Tgt Ion: 96 Resp: 60570

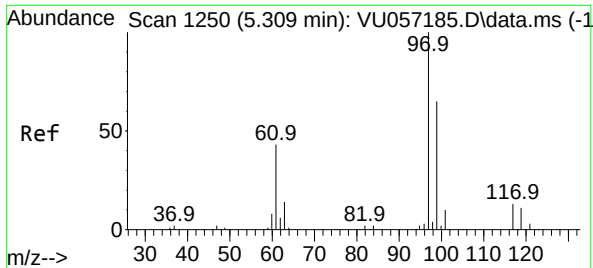
Ion Ratio Lower Upper

96 100

61 126.4 86.8 161.2

98 63.3 45.5 84.5

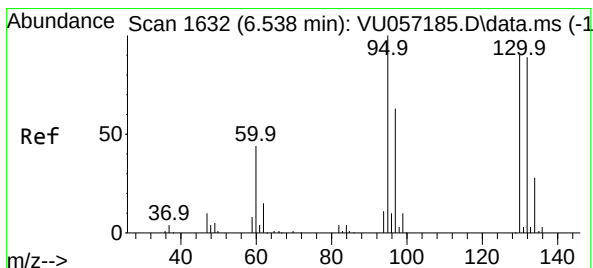
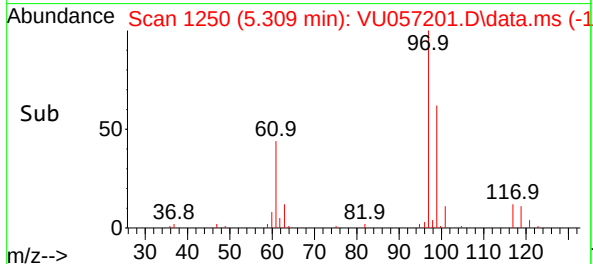
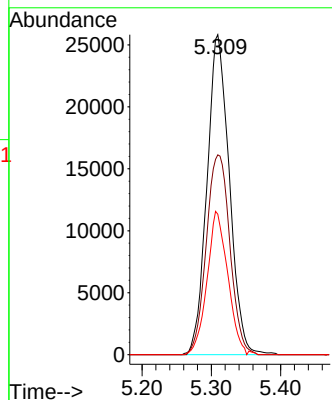
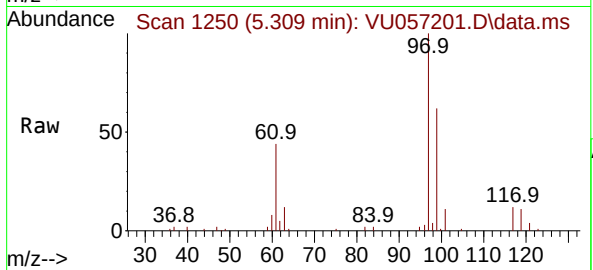




#29
1,1,1-Trichloroethane
Concen: 2.220 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU057201.D
Acq: 22 Dec 2023 19:46

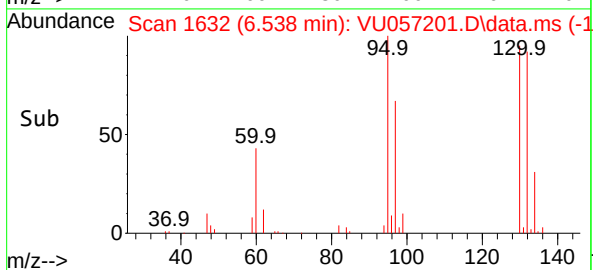
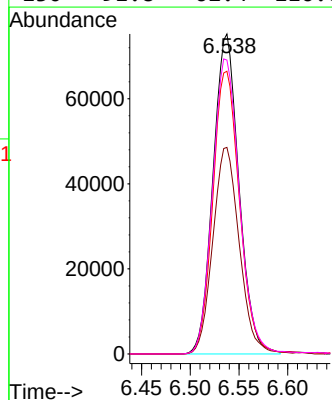
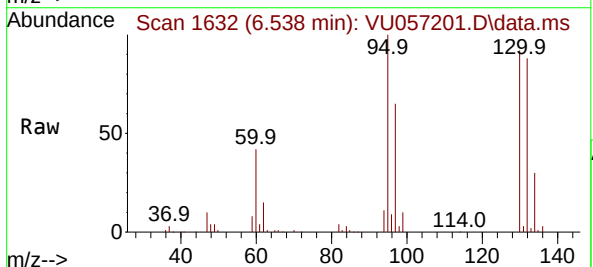
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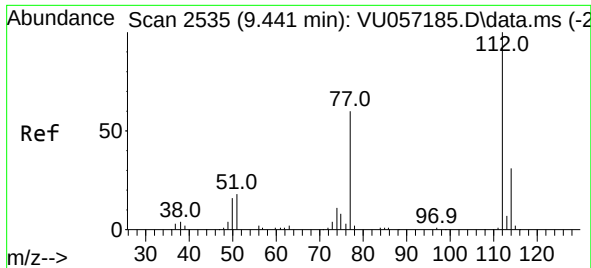
Tgt Ion: 97 Resp: 57886
Ion Ratio Lower Upper
97 100
99 65.8 51.2 76.8
61 41.4 32.5 48.7



#34
Trichloroethene
Concen: 9.153 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU057201.D
Acq: 22 Dec 2023 19:46

Tgt Ion: 95 Resp: 139235
Ion Ratio Lower Upper
95 100
97 64.6 44.3 82.3
132 88.3 62.6 116.2
130 91.8 62.4 116.0

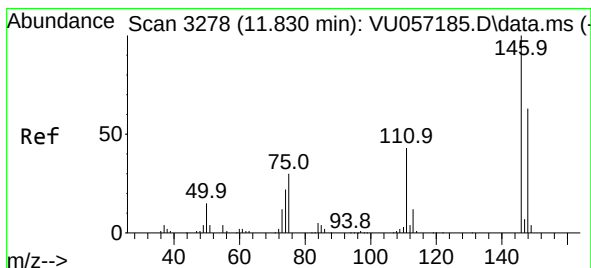
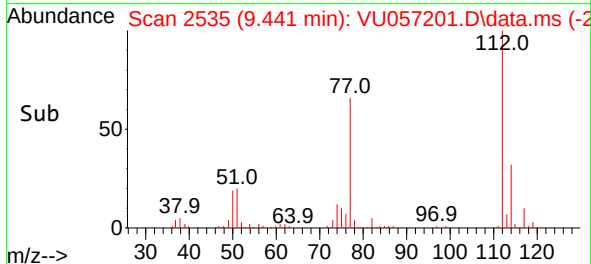
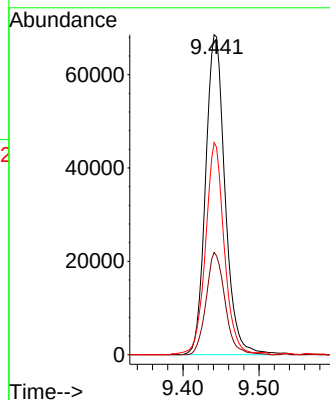
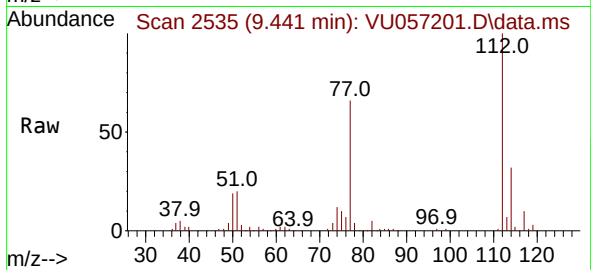




#51
Chlorobenzene
Concen: 3.403 ug/L
RT: 9.441 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057201.D
Acq: 22 Dec 2023 19:46

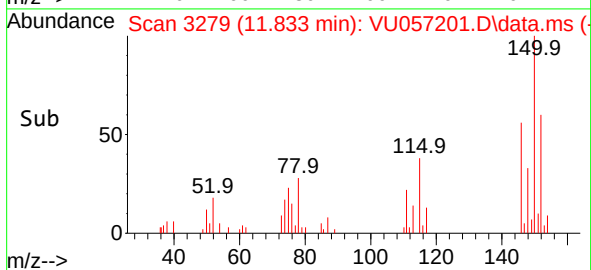
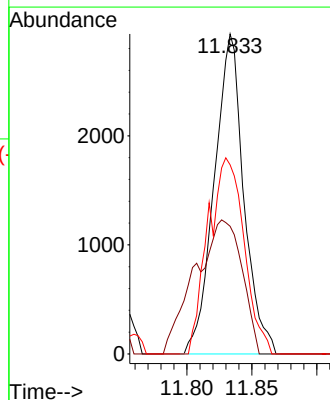
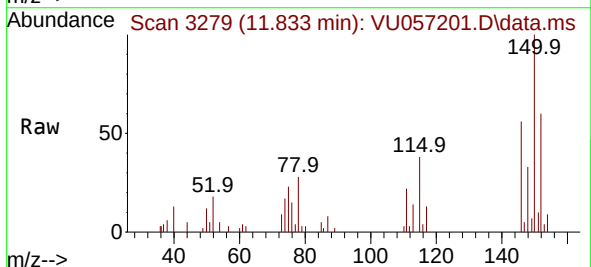
Instrument :
MSVOA_U
ClientSampleId :
BH3L5DL

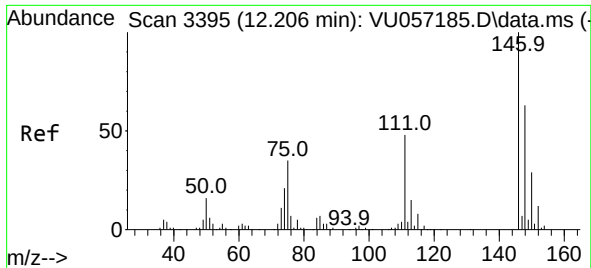
Tgt Ion:112 Resp: 122093
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.1
77 66.3 52.2 78.2



#65
1,4-Dichlorobenzene
Concen: 0.187 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU057201.D
Acq: 22 Dec 2023 19:46

Tgt Ion:146 Resp: 4639
Ion Ratio Lower Upper
146 100
111 39.9 28.1 52.3
148 59.1 43.0 79.8





#67
 1,2-Dichlorobenzene
 Concen: 0.277 ug/L
 RT: 12.206 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU057201.D
 Acq: 22 Dec 2023 19:46

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3L5DL

Tgt Ion:146 Resp: 6122
 Ion Ratio Lower Upper
 146 100
 111 52.2 37.9 56.9
 148 62.9 50.1 75.1

