

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057112.D
 Acq On : 20 Dec 2023 23:43
 Operator : MD/SY
 Sample : 05894-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K7

Quant Time: Dec 21 05:01:32 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)

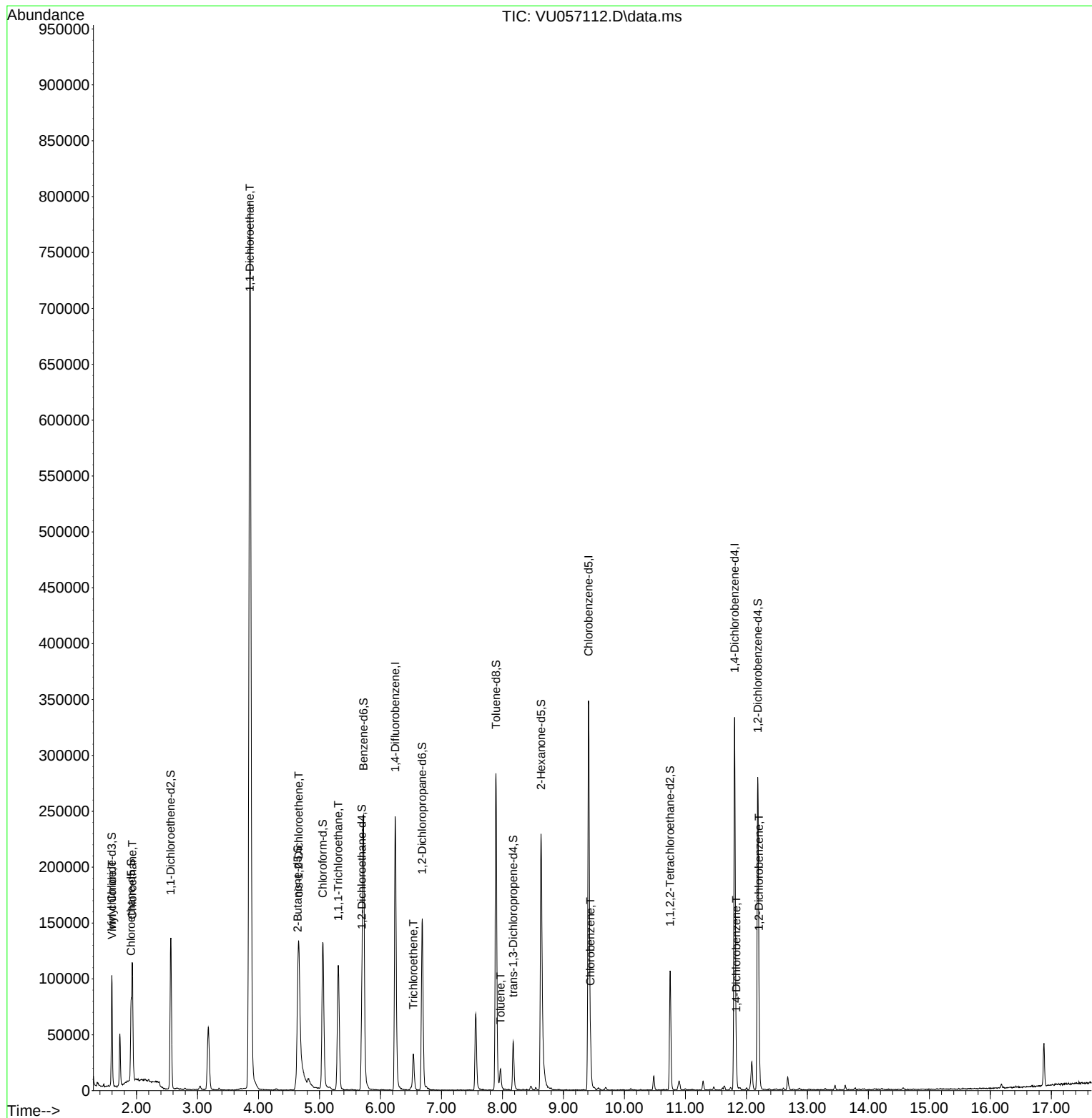
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	203067	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	204233	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	89078	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	55524	3.190	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.800%
7) Chloroethane-d5	1.911	69	51006	3.916	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	2.560	65	27062	3.634	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.600%
20) 2-Butanone-d5	4.644	46	96111	27.960	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	55.920%
24) Chloroform-d	5.055	84	128248	3.891	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
26) 1,2-Dichloroethane-d4	5.695	65	63216	4.053	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.000%
32) Benzene-d6	5.721	84	230171	3.633	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.600%
36) 1,2-Dichloropropane-d6	6.685	67	71906	3.627	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.600%
41) Toluene-d8	7.894	98	194803	3.441	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.800%#
43) trans-1,3-Dichloroprop...	8.177	79	26614	3.461	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.200%
46) 2-Hexanone-d5	8.634	63	85462	29.469	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	58.940%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	52883	3.686	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	72370	4.133	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	15493	0.746	ug/L	88
8) Chloroethane	1.933	64	65713	5.399	ug/L	98
19) 1,1-Dichloroethane	3.859	63	915293	28.466	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	42686	2.347	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	86506	2.930	ug/L	97
34) Trichloroethene	6.541	95	11982	0.609	ug/L	89
42) Toluene	7.968	91	13641	0.184	ug/L	99
51) Chlorobenzene	9.444	112	16661	0.352	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	5015	0.153	ug/L #	89
67) 1,2-Dichlorobenzene	12.206	146	11054	0.364	ug/L	97

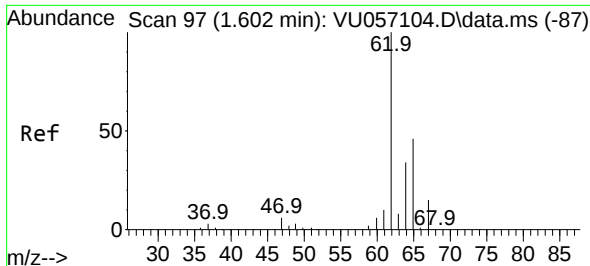
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
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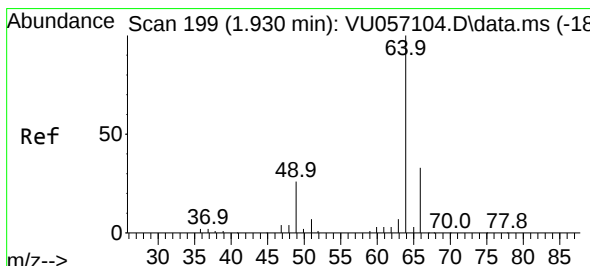
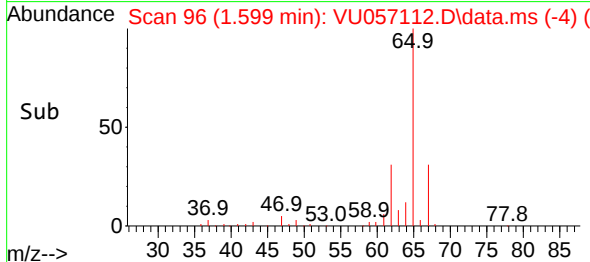
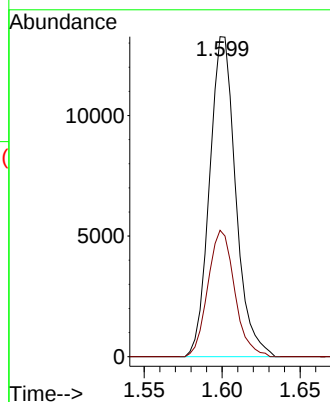
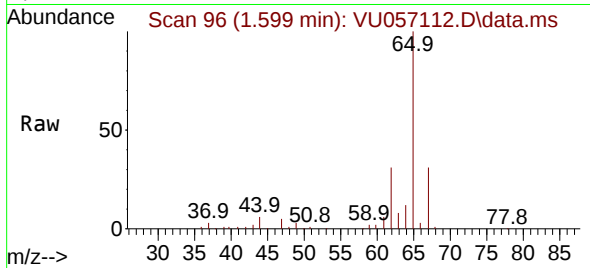




#5
 Vinyl chloride
 Concen: 0.746 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU057112.D
 Acq: 20 Dec 2023 23:43

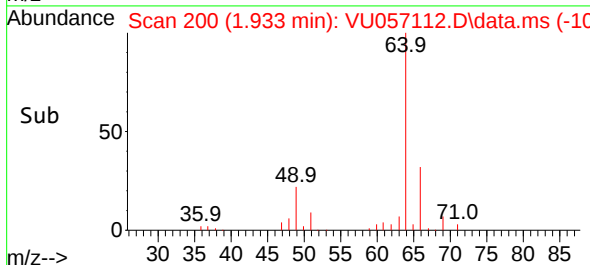
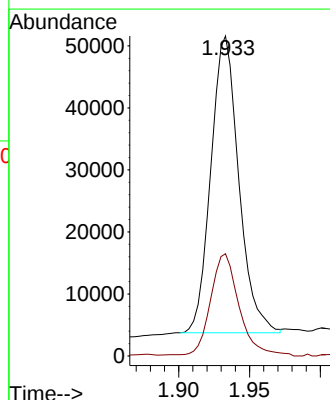
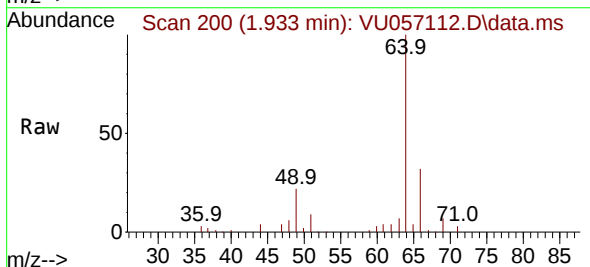
Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K7

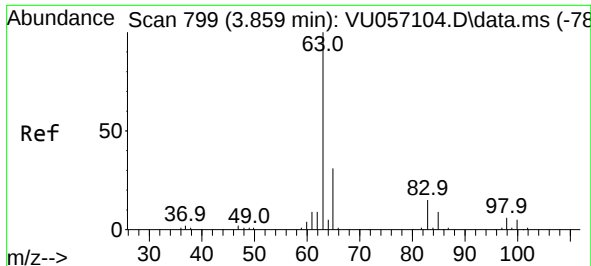
Tgt Ion: 62 Resp: 15493
 Ion Ratio Lower Upper
 62 100
 64 39.5 22.8 42.4



#8
 Chloroethane
 Concen: 5.399 ug/L
 RT: 1.933 min Scan# 200
 Delta R.T. 0.003 min
 Lab File: VU057112.D
 Acq: 20 Dec 2023 23:43

Tgt Ion: 64 Resp: 65713
 Ion Ratio Lower Upper
 64 100
 66 31.9 21.4 39.8

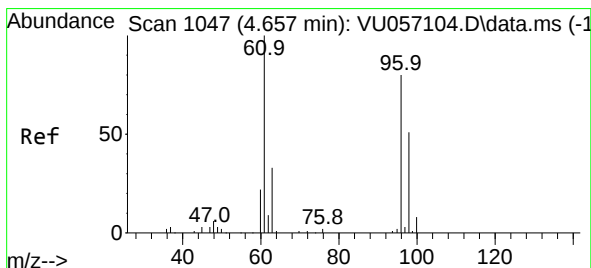
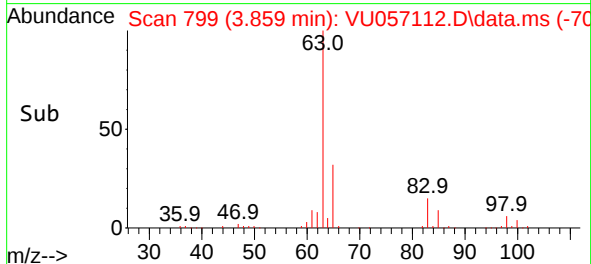
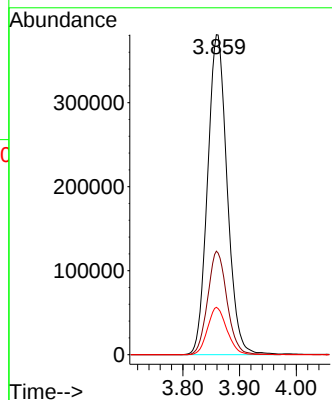
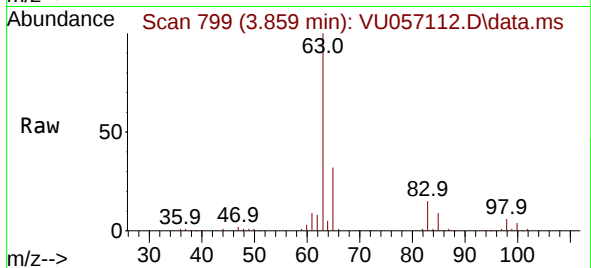




#19
1,1-Dichloroethane
Concen: 28.466 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU057112.D
Acq: 20 Dec 2023 23:43

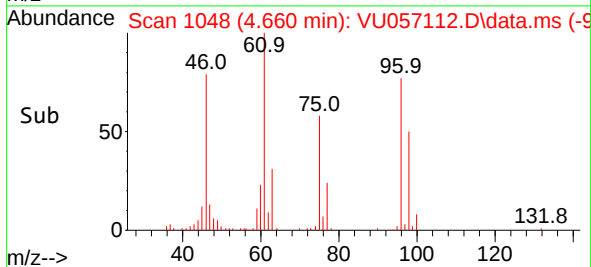
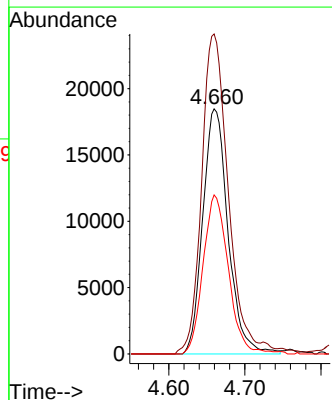
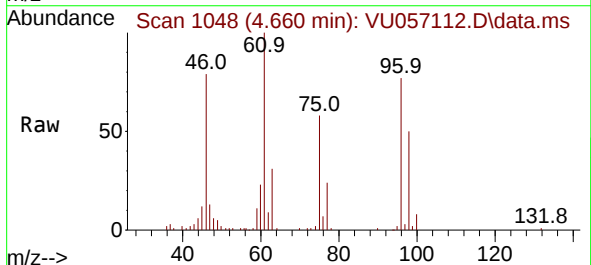
Instrument :
MSVOA_U
ClientSampleId :
BH3K7

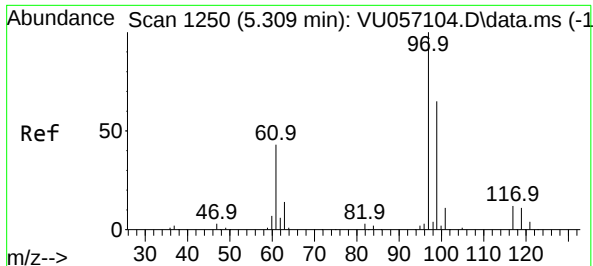
Tgt Ion: 63 Resp: 915293
Ion Ratio Lower Upper
63 100
65 32.3 22.9 42.5
83 14.8 10.1 18.9



#22
cis-1,2-Dichloroethene
Concen: 2.347 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU057112.D
Acq: 20 Dec 2023 23:43

Tgt Ion: 96 Resp: 42686
Ion Ratio Lower Upper
96 100
61 130.5 91.3 169.6
98 64.8 44.2 82.0

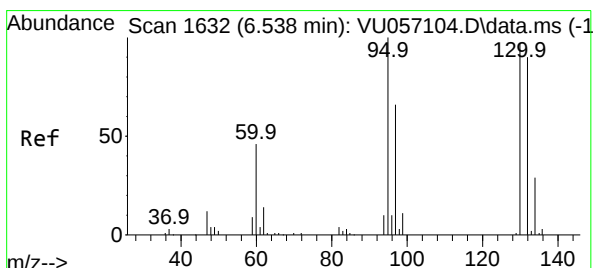
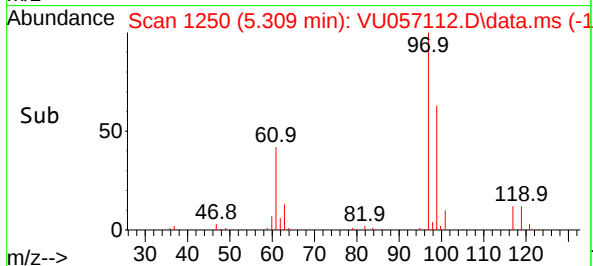
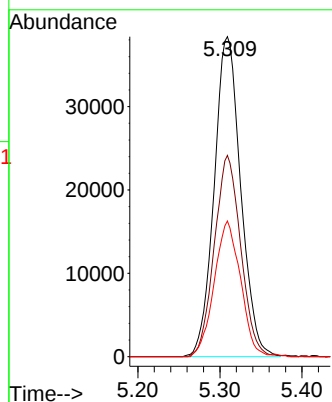
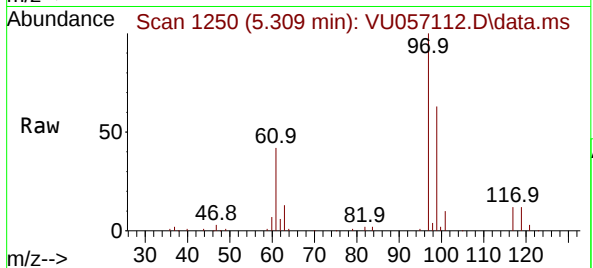




#29
1,1,1-Trichloroethane
Concen: 2.930 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU057112.D
Acq: 20 Dec 2023 23:43

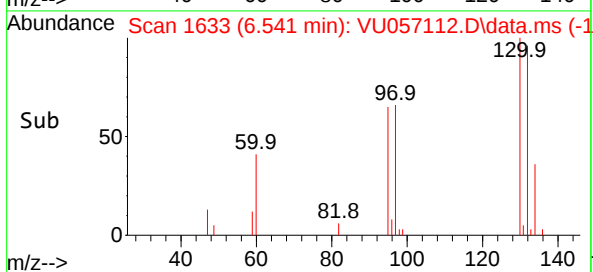
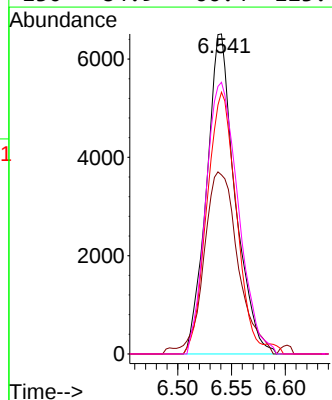
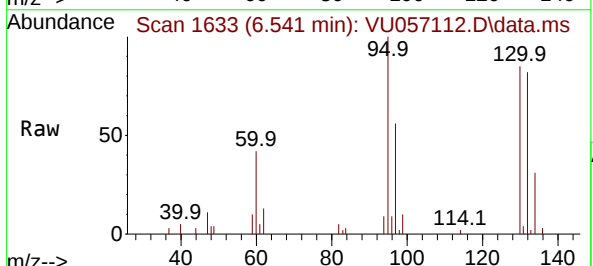
Instrument :
MSVOA_U
ClientSampleId :
BH3K7

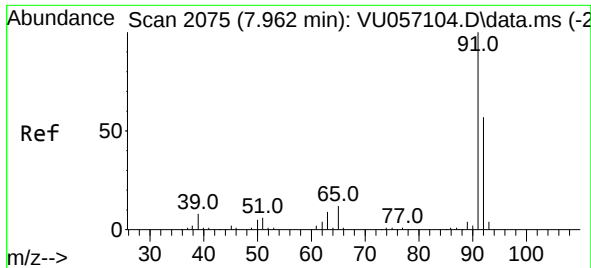
Tgt Ion:	97	Resp:	86506
Ion	Ratio	Lower	Upper
97	100		
99	62.7	52.5	78.7
61	42.0	34.2	51.2



#34
Trichloroethene
Concen: 0.609 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.003 min
Lab File: VU057112.D
Acq: 20 Dec 2023 23:43

Tgt Ion:	95	Resp:	11982
Ion	Ratio	Lower	Upper
95	100		
97	55.9	46.1	85.5
132	81.8	63.6	118.0
130	84.9	66.4	123.4





#42

Toluene

Concen: 0.184 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU057112.D

Acq: 20 Dec 2023 23:43

Instrument :

MSVOA_U

ClientSampleId :

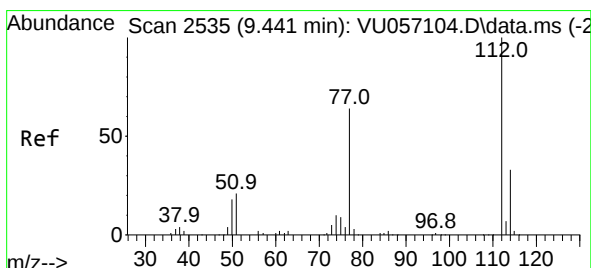
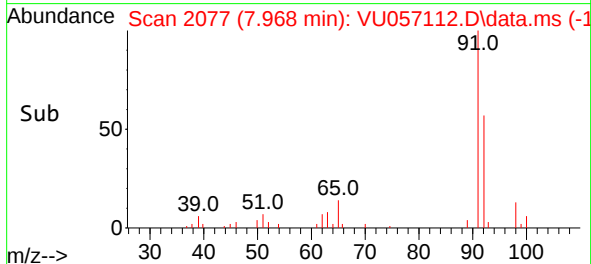
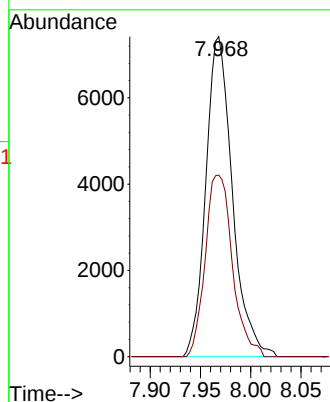
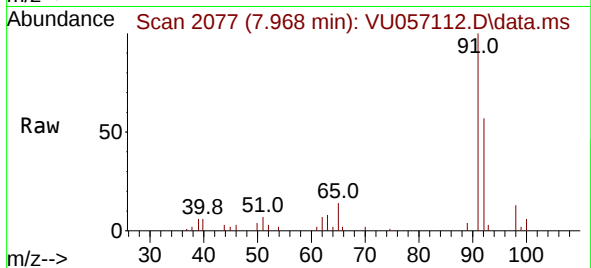
BH3K7

Tgt Ion: 91 Resp: 13641

Ion Ratio Lower Upper

91 100

92 56.7 40.4 75.0



#51

Chlorobenzene

Concen: 0.352 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU057112.D

Acq: 20 Dec 2023 23:43

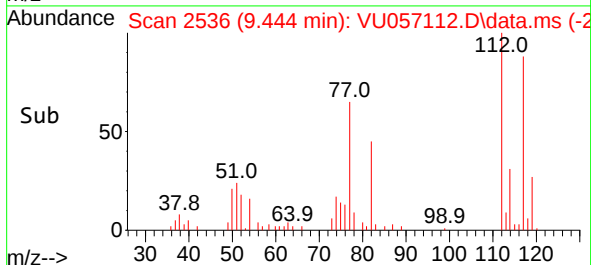
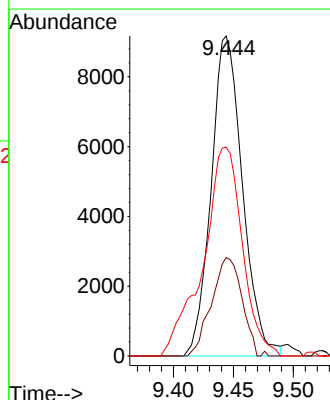
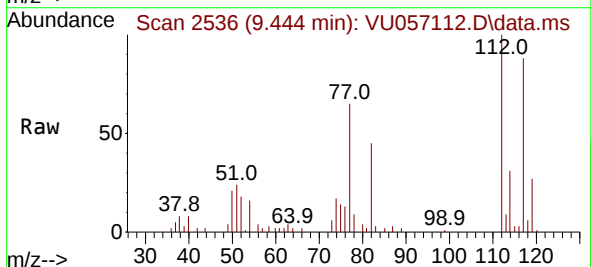
Tgt Ion: 112 Resp: 16661

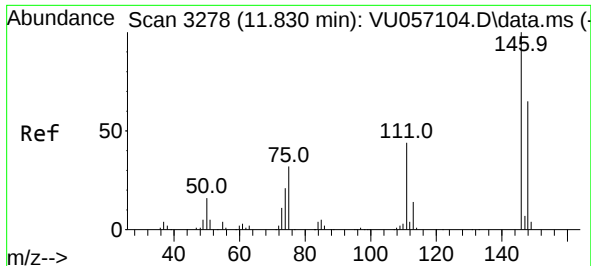
Ion Ratio Lower Upper

112 100

114 30.7 21.9 40.7

77 65.2 51.6 77.4

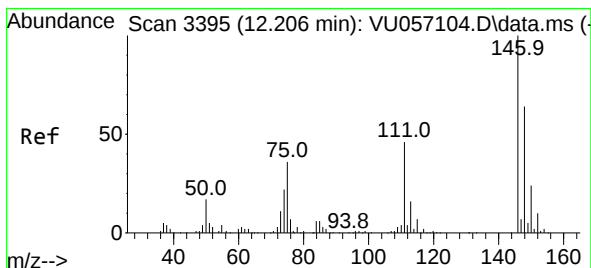
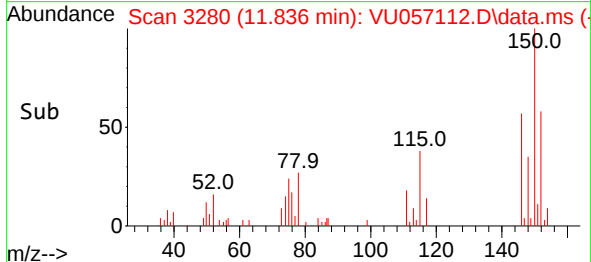
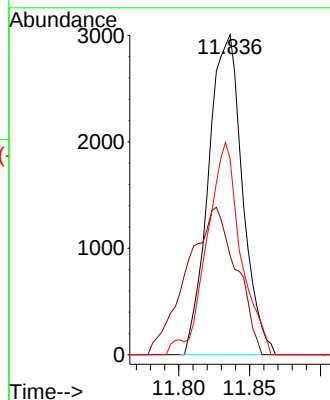
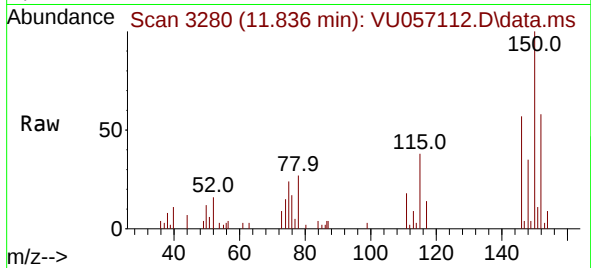




#65
1,4-Dichlorobenzene
Concen: 0.153 ug/L
RT: 11.836 min Scan# 311
Delta R.T. 0.006 min
Lab File: VU057112.D
Acq: 20 Dec 2023 23:43

Instrument :
MSVOA_U
ClientSampleId :
BH3K7

Tgt Ion:146 Resp: 5015
Ion Ratio Lower Upper
146 100
111 31.0 31.2 58.0#
148 61.2 45.6 84.8



#67
1,2-Dichlorobenzene
Concen: 0.364 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU057112.D
Acq: 20 Dec 2023 23:43

Tgt Ion:146 Resp: 11054
Ion Ratio Lower Upper
146 100
111 48.1 36.9 55.3
148 68.0 53.0 79.4

