

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057115.D
 Acq On : 21 Dec 2023 00:56
 Operator : MD/SY
 Sample : 05894-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3L6

Quant Time: Dec 21 05:02:23 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)

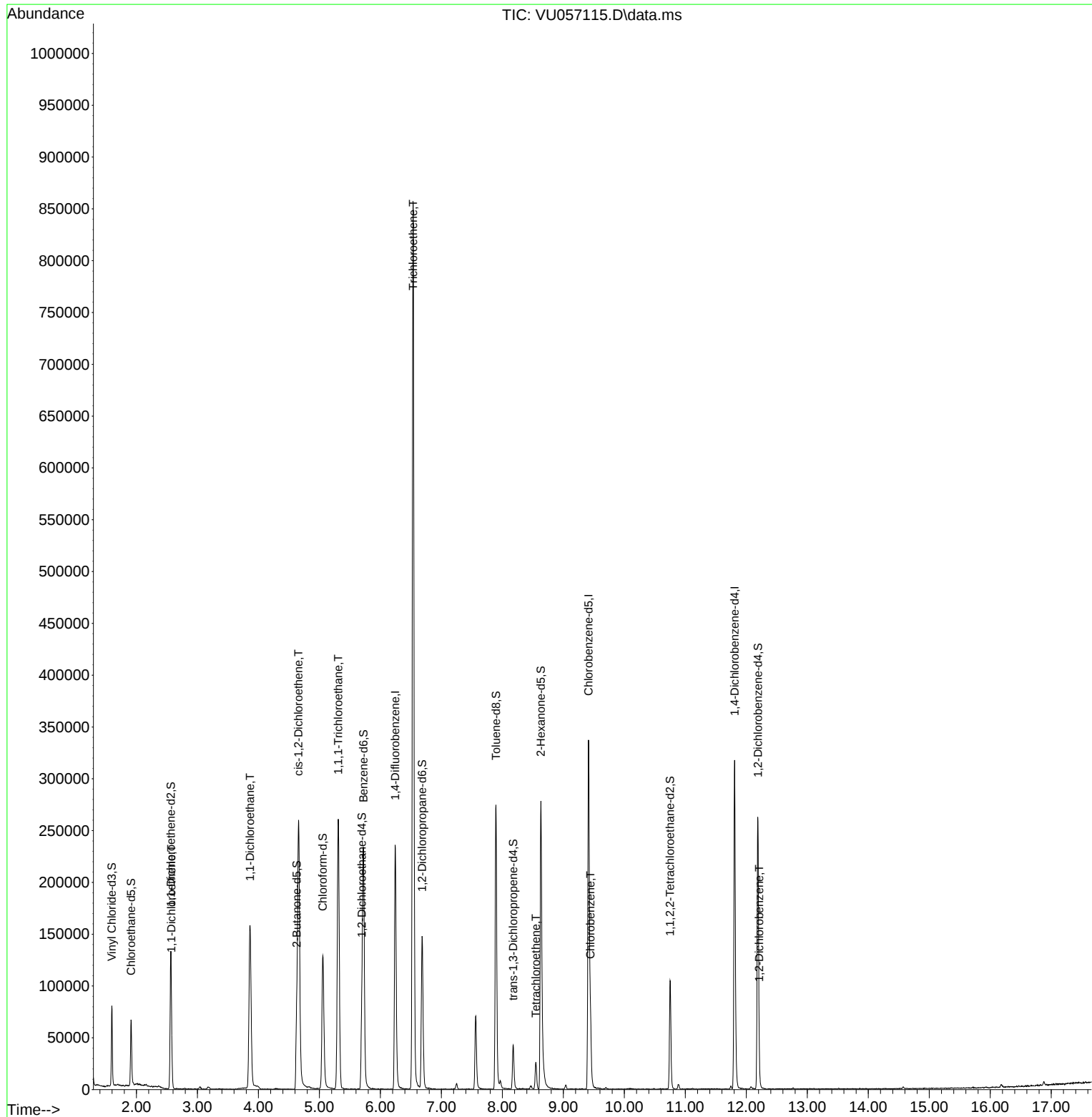
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	189028	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	193995	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	82808	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	52230	3.223	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	64.400%	
7) Chloroethane-d5	1.911	69	47307	3.902	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	78.000%	
11) 1,1-Dichloroethene-d2	2.563	65	26131	3.769	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	75.400%	
20) 2-Butanone-d5	4.628	46	118466	37.023	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	74.040%	
24) Chloroform-d	5.055	84	125119	4.078	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	81.600%	
26) 1,2-Dichloroethane-d4	5.695	65	62407	4.298	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	86.000%	
32) Benzene-d6	5.721	84	224780	3.736	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	74.800%	
36) 1,2-Dichloropropane-d6	6.682	67	70633	3.750	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	75.000%	
41) Toluene-d8	7.894	98	188711	3.509	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	70.200%	
43) trans-1,3-Dichloroprop...	8.177	79	26302	3.601	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	72.000%	
46) 2-Hexanone-d5	8.631	63	95092	34.520	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	69.040%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	52287	3.837	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	76.800%	
66) 1,2-Dichlorobenzene-d4	12.190	152	69287	4.256	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	85.200%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.573	96	4825	0.314	ug/L	# 1
19) 1,1-Dichloroethane	3.862	63	180938	6.045	ug/L	100
22) cis-1,2-Dichloroethene	4.657	96	124178	7.336	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	198321	7.072	ug/L	98
34) Trichloroethene	6.534	95	308680	16.505	ug/L	98
47) Tetrachloroethene	8.547	164	5769	0.441	ug/L	88
51) Chlorobenzene	9.444	112	36556	0.813	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	4629	0.164	ug/L	94

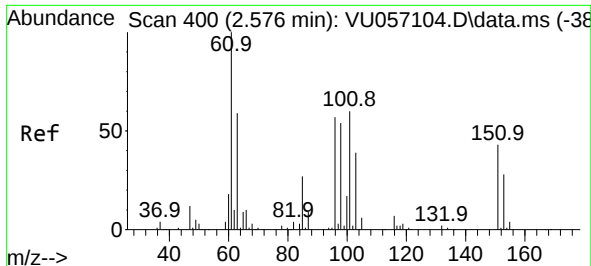
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
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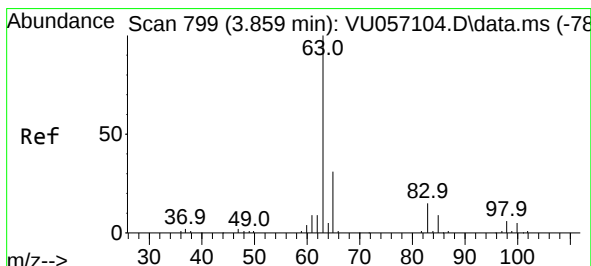
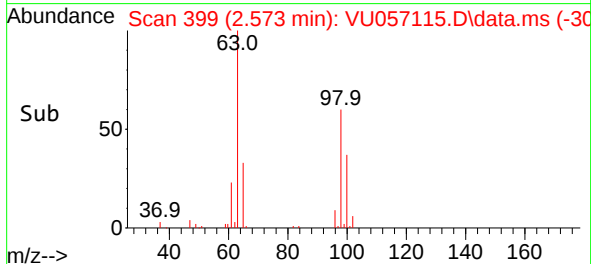
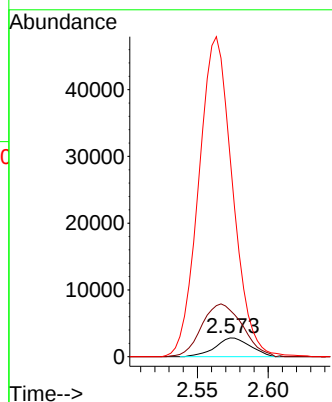
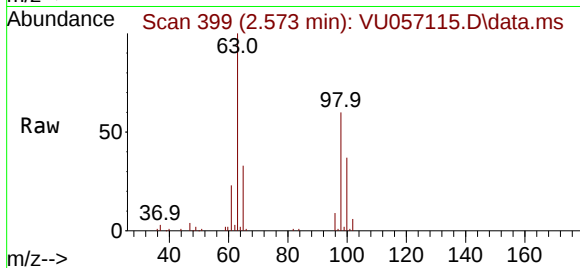




#12
1,1-Dichloroethene
Concen: 0.314 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU057115.D
Acq: 21 Dec 2023 00:56

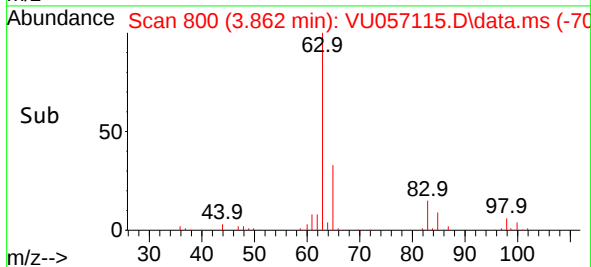
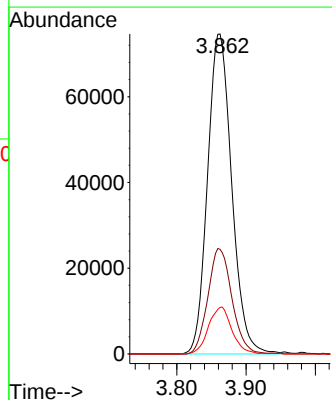
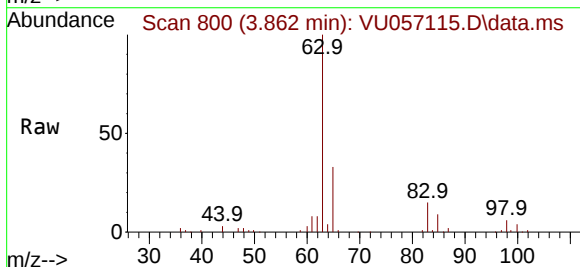
Instrument :
MSVOA_U
ClientSampleId :
BH3L6

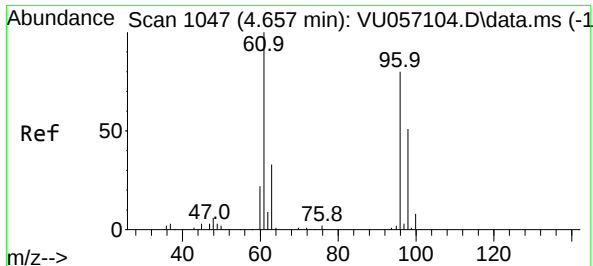
Tgt Ion: 96 Resp: 4825
Ion Ratio Lower Upper
96 100
61 247.1 119.0 221.0#
63 1061.6 88.7 164.7#



#19
1,1-Dichloroethane
Concen: 6.045 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU057115.D
Acq: 21 Dec 2023 00:56

Tgt Ion: 63 Resp: 180938
Ion Ratio Lower Upper
63 100
65 32.7 22.9 42.5
83 14.6 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 7.336 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU057115.D

Acq: 21 Dec 2023 00:56

Instrument :

MSVOA_U

ClientSampleId :

BH3L6

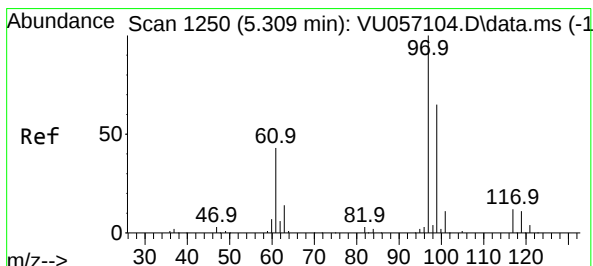
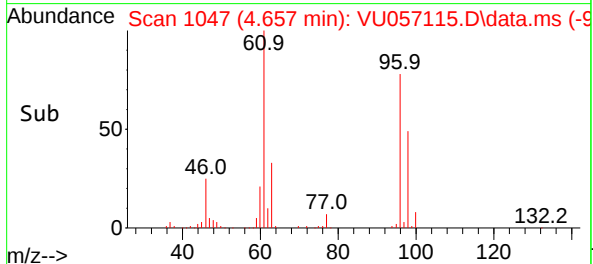
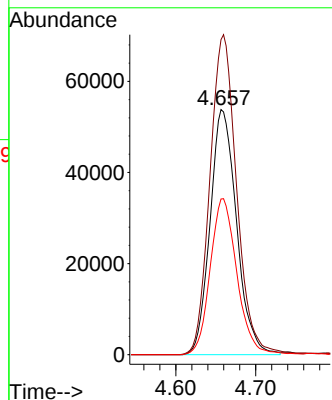
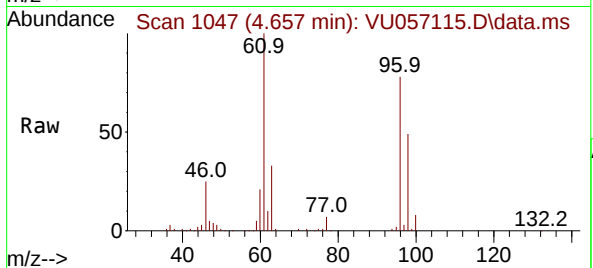
Tgt Ion: 96 Resp: 124178

Ion Ratio Lower Upper

96 100

61 128.5 91.3 169.6

98 63.5 44.2 82.0



#29

1,1,1-Trichloroethane

Concen: 7.072 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU057115.D

Acq: 21 Dec 2023 00:56

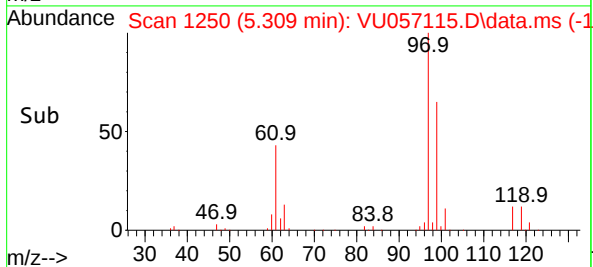
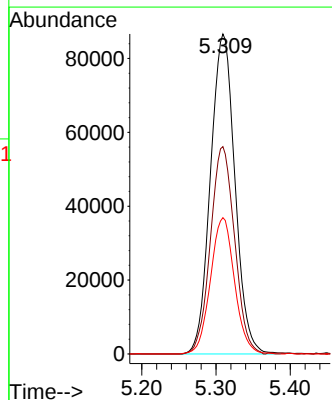
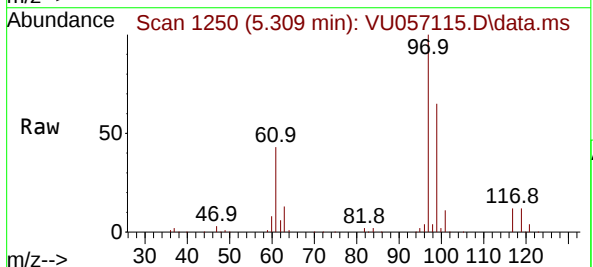
Tgt Ion: 97 Resp: 198321

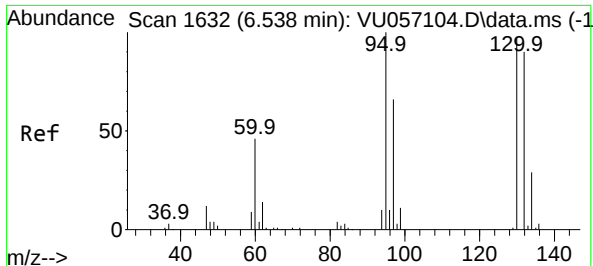
Ion Ratio Lower Upper

97 100

99 64.1 52.5 78.7

61 41.9 34.2 51.2





#34

Trichloroethene

Concen: 16.505 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057115.D

Acq: 21 Dec 2023 00:56

Instrument :

MSVOA_U

ClientSampleId :

BH3L6

Tgt Ion: 95 Resp: 308680

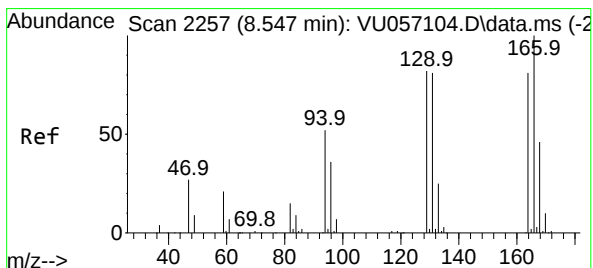
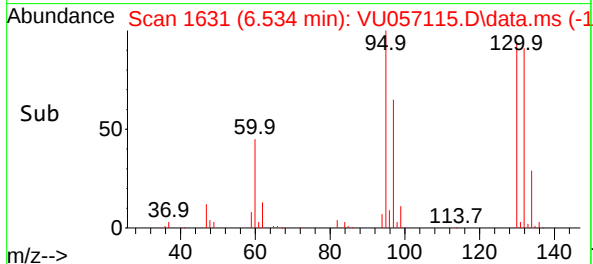
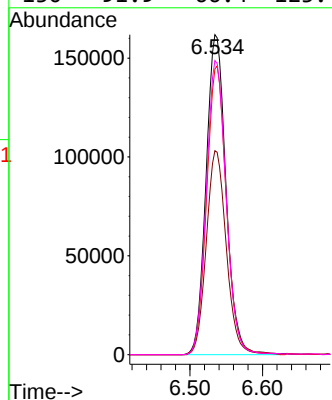
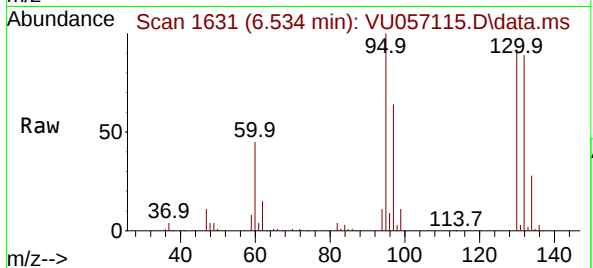
Ion Ratio Lower Upper

95 100

97 63.7 46.1 85.5

132 89.3 63.6 118.0

130 91.9 66.4 123.4



#47

Tetrachloroethene

Concen: 0.441 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU057115.D

Acq: 21 Dec 2023 00:56

Tgt Ion:164 Resp: 5769

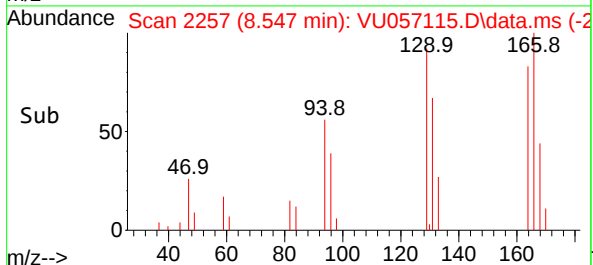
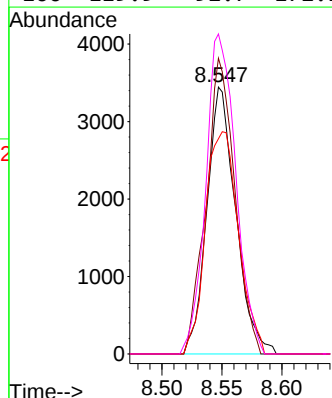
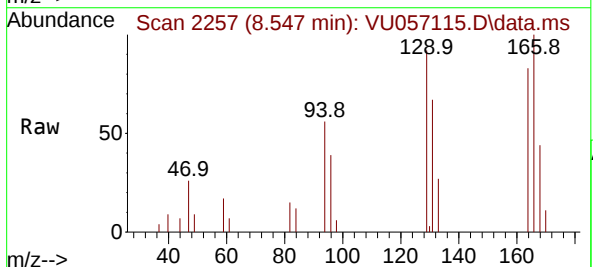
Ion Ratio Lower Upper

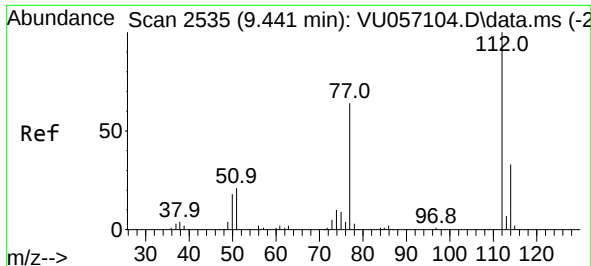
164 100

129 110.8 73.4 136.4

131 80.6 71.5 132.9

166 119.9 92.7 172.1

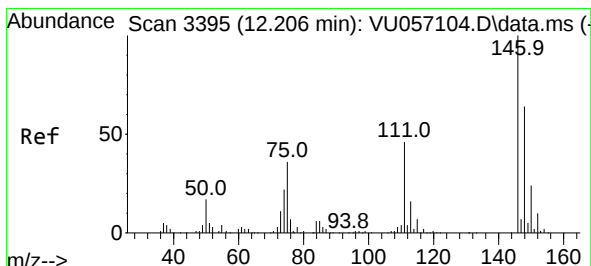
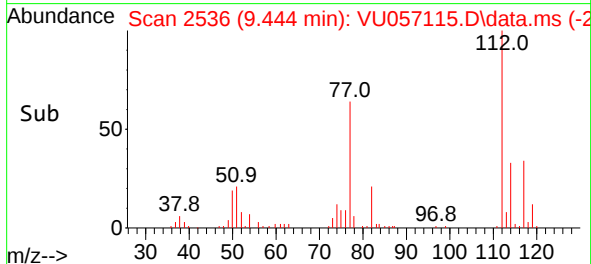
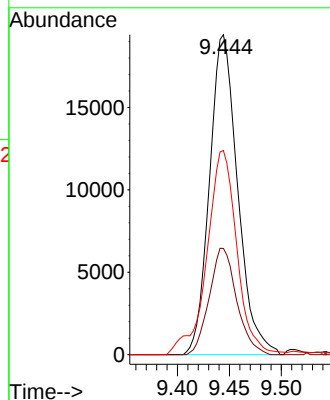
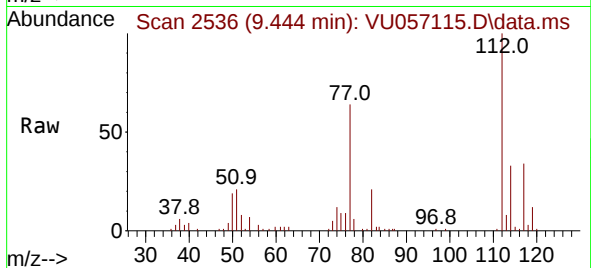




#51
Chlorobenzene
Concen: 0.813 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057115.D
Acq: 21 Dec 2023 00:56

Instrument :
MSVOA_U
ClientSampleId :
BH3L6

Tgt Ion:112 Resp: 36556
Ion Ratio Lower Upper
112 100
114 33.2 21.9 40.7
77 63.8 51.6 77.4



#67
1,2-Dichlorobenzene
Concen: 0.164 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. 0.003 min
Lab File: VU057115.D
Acq: 21 Dec 2023 00:56

Tgt Ion:146 Resp: 4629
Ion Ratio Lower Upper
146 100
111 51.7 36.9 55.3
148 62.8 53.0 79.4

