

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090623\
 Data File : VU055158.D
 Acq On : 06 Sep 2023 22:57
 Operator : MD/SY
 Sample : 04286-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4F7

Quant Time: Sep 07 02:27:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

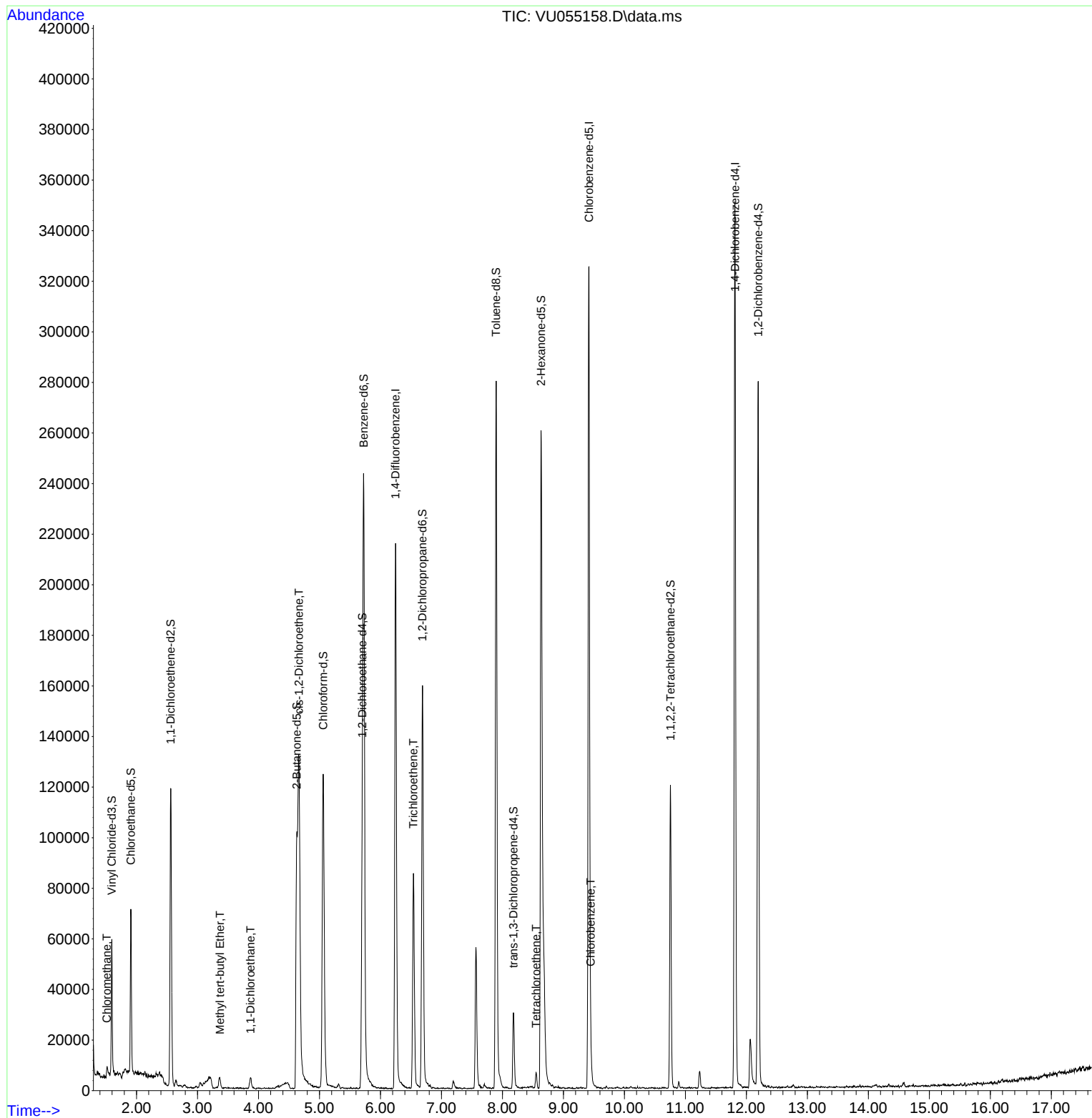
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	169721	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	177765	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	90479	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	35402	4.451	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.907	69	44048	4.784	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.600%
11) 1,1-Dichloroethene-d2	2.560	65	22276	4.915	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.200%
20) 2-Butanone-d5	4.628	46	151305	65.547	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.100%#
24) Chloroform-d	5.062	84	115004	5.448	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.000%
26) 1,2-Dichloroethane-d4	5.701	65	60810	5.758	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.200%
32) Benzene-d6	5.727	84	219982	5.013	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	6.689	67	75257	5.392	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.800%
41) Toluene-d8	7.898	98	189221	4.681	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.180	79	17160	4.465	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.634	63	83986	53.825	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.660%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	57999	5.909	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	69699	5.278	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	3374	0.336	ug/L #	80
17) Methyl tert-butyl Ether	3.367	73	3092	0.150	ug/L #	93
19) 1,1-Dichloroethane	3.869	63	5272	0.306	ug/L #	93
22) cis-1,2-Dichloroethene	4.663	96	56107	5.758	ug/L	95
34) Trichloroethene	6.541	95	29427	2.799	ug/L	90
47) Tetrachloroethene	8.553	164	1484	0.204	ug/L #	73
51) Chlorobenzene	9.447	112	4628	0.173	ug/L #	72

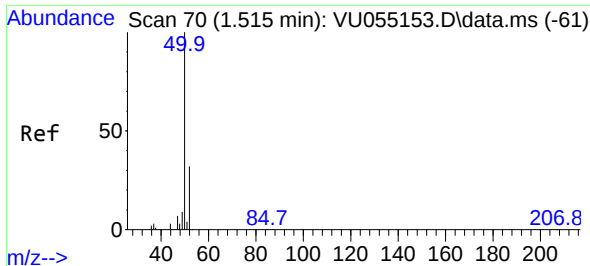
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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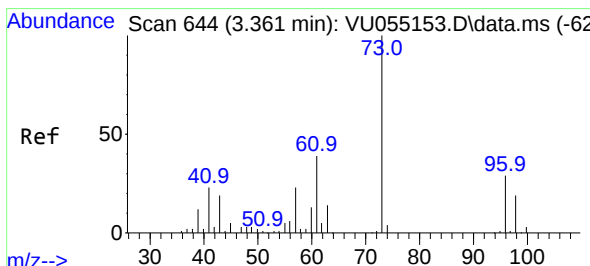
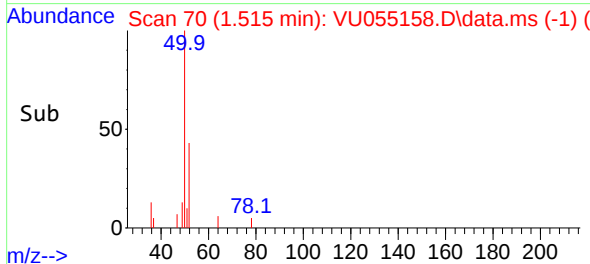
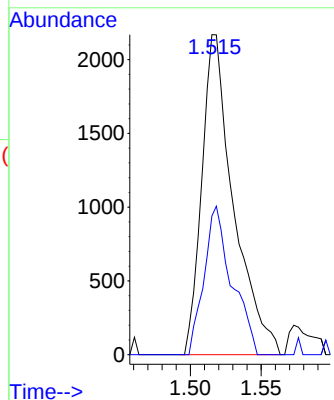
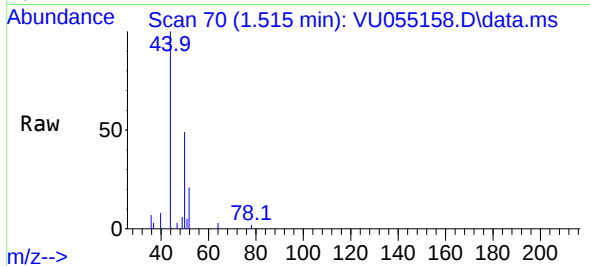




#3
Chloromethane
Concen: 0.336 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055158.D
Acq: 06 Sep 2023 22:57

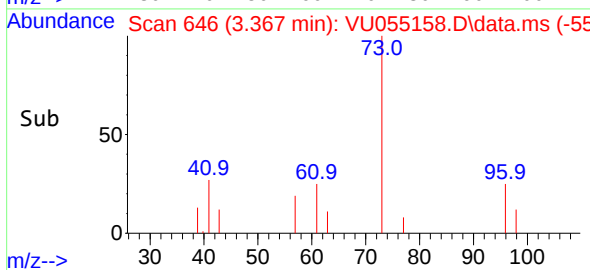
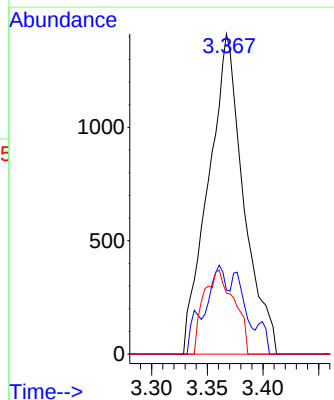
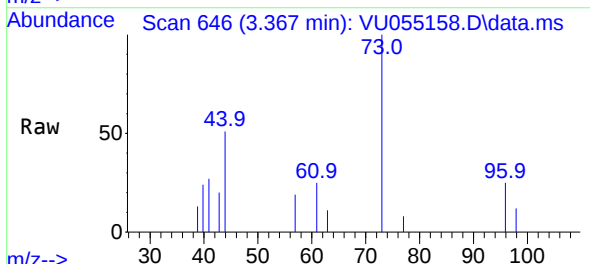
Instrument :
MSVOA_U
ClientSampleId :
BH4F7

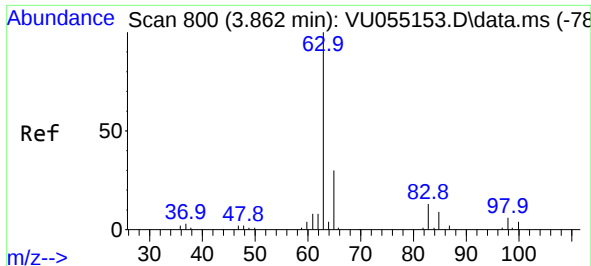
Tgt Ion: 50 Resp: 3374
Ion Ratio Lower Upper
50 100
52 43.3 22.5 41.7#



#17
Methyl tert-butyl Ether
Concen: 0.150 ug/L
RT: 3.367 min Scan# 646
Delta R.T. 0.003 min
Lab File: VU055158.D
Acq: 06 Sep 2023 22:57

Tgt Ion: 73 Resp: 3092
Ion Ratio Lower Upper
73 100
43 14.9 16.2 24.2#
57 22.7 17.4 26.2





#19

1,1-Dichloroethane

Concen: 0.306 ug/L

RT: 3.869 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU055158.D

Acq: 06 Sep 2023 22:57

Instrument :

MSVOA_U

ClientSampleId :

BH4F7

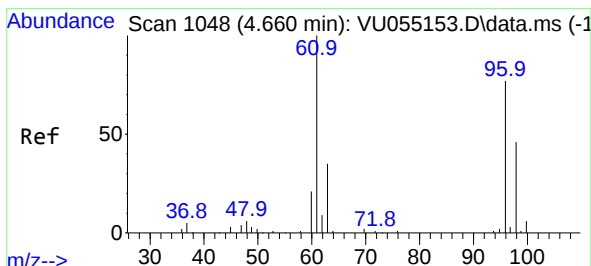
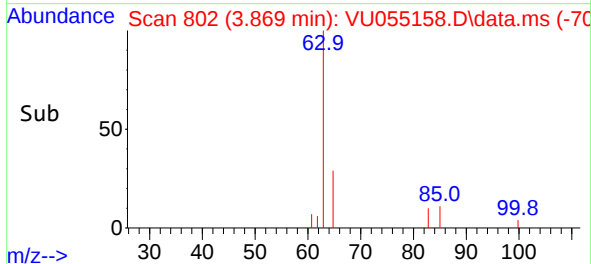
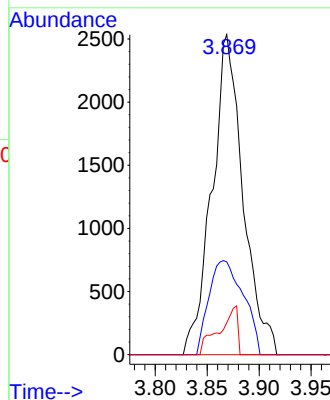
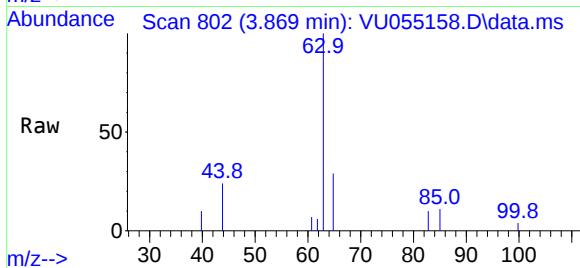
Tgt Ion: 63 Resp: 5272

Ion Ratio Lower Upper

63 100

65 29.0 22.2 41.2

83 10.0 10.6 19.8#



#22

cis-1,2-Dichloroethene

Concen: 5.758 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU055158.D

Acq: 06 Sep 2023 22:57

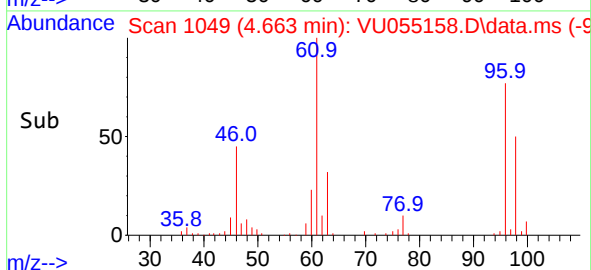
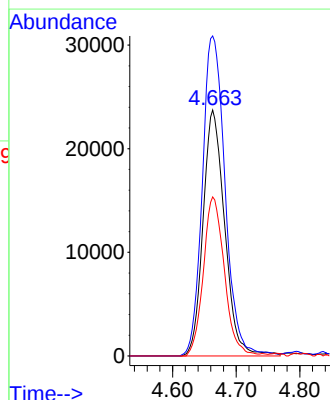
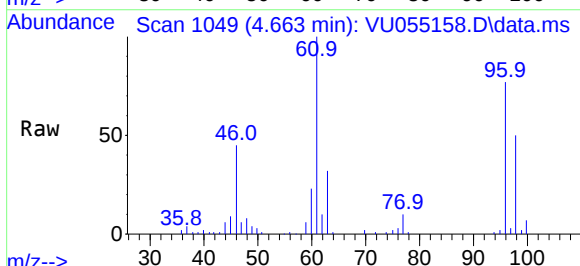
Tgt Ion: 96 Resp: 56107

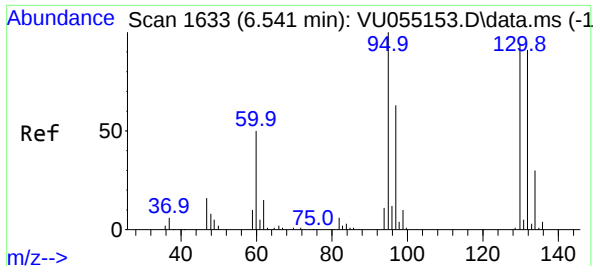
Ion Ratio Lower Upper

96 100

61 130.1 97.2 180.4

98 64.7 46.1 85.7

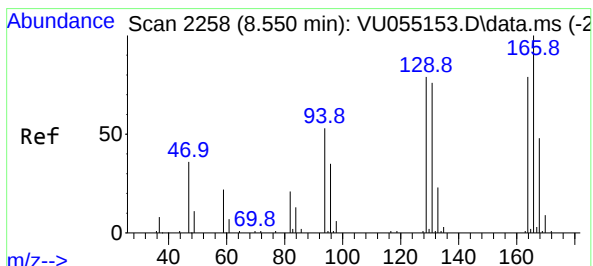
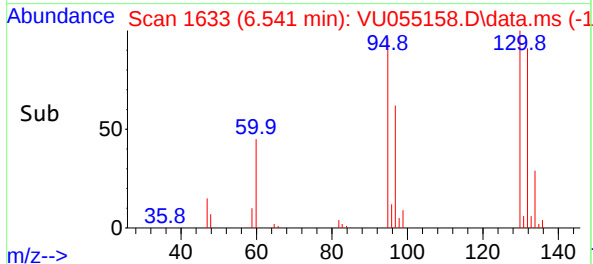
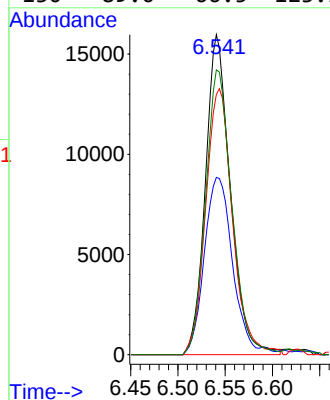
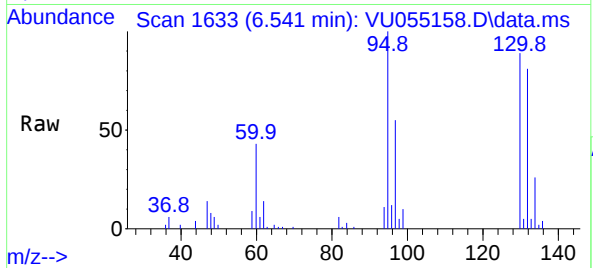




#34
Trichloroethene
Concen: 2.799 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055158.D
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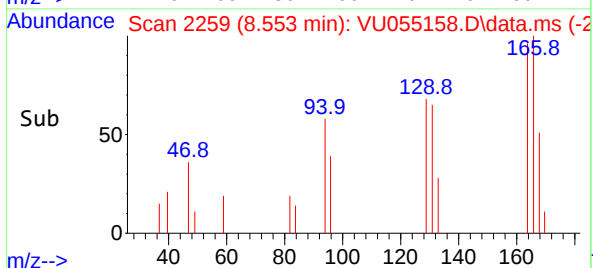
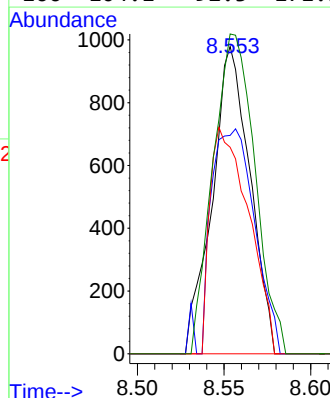
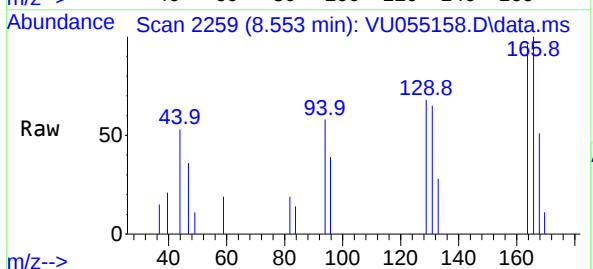
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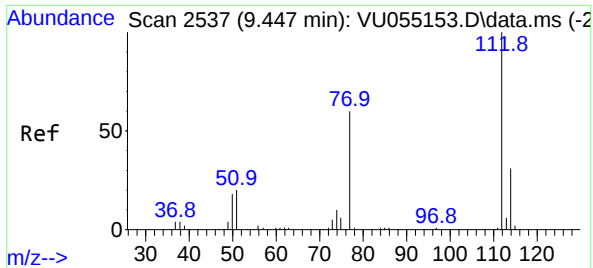
Tgt Ion: 95 Resp: 29427
Ion Ratio Lower Upper
95 100
97 55.4 44.7 83.1
132 81.4 66.6 123.6
130 89.0 66.5 123.5



#47
Tetrachloroethene
Concen: 0.204 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.000 min
Lab File: VU055158.D
Acq: 06 Sep 2023 22:57

Tgt Ion:164 Resp: 1484
Ion Ratio Lower Upper
164 100
129 71.1 69.2 128.6
131 67.2 68.8 127.8#
166 104.1 92.3 171.5





#51
 Chlorobenzene
 Concen: 0.173 ug/L
 RT: 9.447 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU055158.D
 Acq: 06 Sep 2023 22:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4F7

Tgt Ion:	112	Resp:	4628
Ion	Ratio	Lower	Upper
112	100		
114	33.3	21.7	40.3
77	91.8	48.6	72.8#

