

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090623\
 Data File : VU055173.D
 Acq On : 07 Sep 2023 05:00
 Operator : MD/SY
 Sample : 04267-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4D5

Quant Time: Sep 07 15:40:15 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)

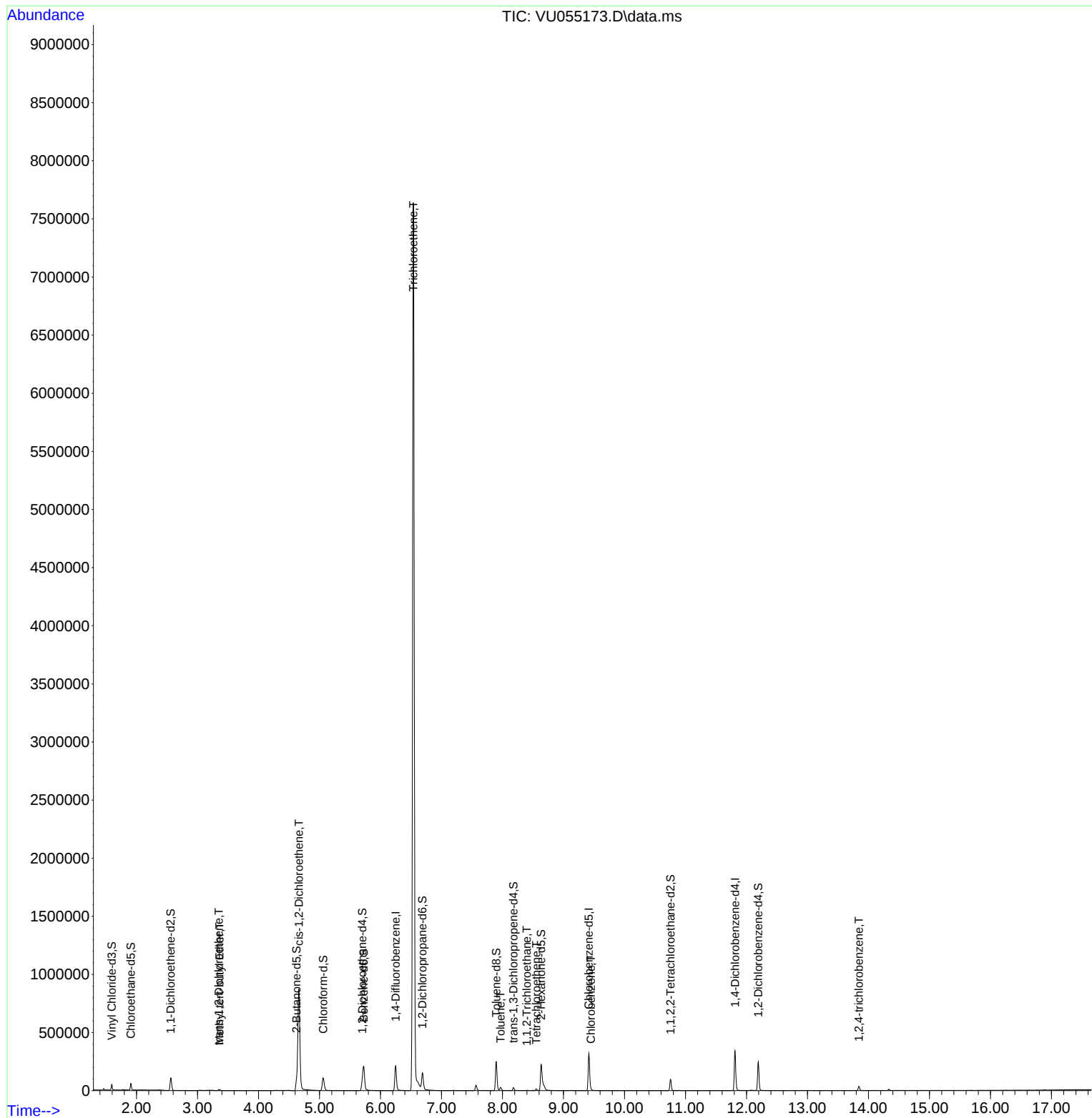
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	167693	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	171919	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	87317	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	31897	4.058	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.200%
7) Chloroethane-d5	1.907	69	38952	4.282	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.600%
11) 1,1-Dichloroethene-d2	2.560	65	18981	4.239	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.800%
20) 2-Butanone-d5	4.624	46	122723	53.808	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.620%
24) Chloroform-d	5.058	84	100552	4.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.702	65	51566	4.942	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
32) Benzene-d6	5.724	84	198223	4.671	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	6.685	67	67754	5.020	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.400%
41) Toluene-d8	7.898	98	170973	4.374	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
43) trans-1,3-Dichloroprop...	8.181	79	14112	3.797	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.000%
46) 2-Hexanone-d5	8.634	63	70876	46.968	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.940%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	48889	5.150	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	61429	4.820	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.400%
Target Compounds						Qvalue
17) Methyl tert-butyl Ether	3.361	73	4055	0.199	ug/L	# 69
18) trans-1,2-Dichloroethene	3.351	96	2274	0.289	ug/L	92
22) cis-1,2-Dichloroethene	4.663	96	439587	45.655	ug/L	95
34) Trichloroethene	6.537	95	2636563	259.277	ug/L	96
42) Toluene	7.968	91	19299	0.495	ug/L	89
45) 1,1,2-Trichloroethane	8.399	97	764	0.114	ug/L	# 80
47) Tetrachloroethene	8.553	164	2994	0.426	ug/L	93
51) Chlorobenzene	9.451	112	4288	0.166	ug/L	92
70) 1,2,4-trichlorobenzene	13.843	180	11435	0.826	ug/L	98

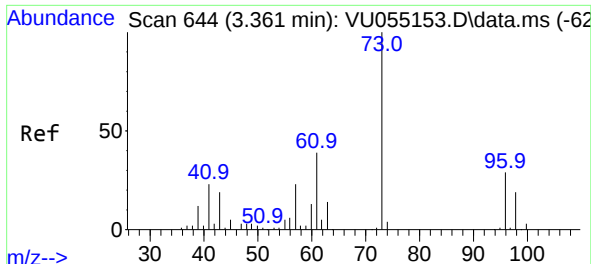
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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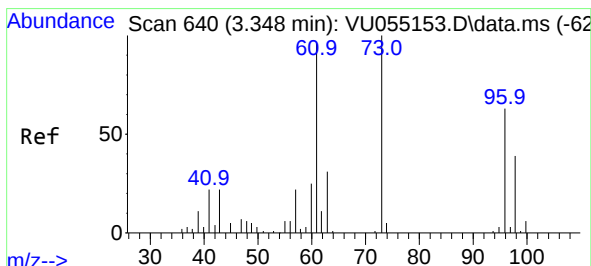
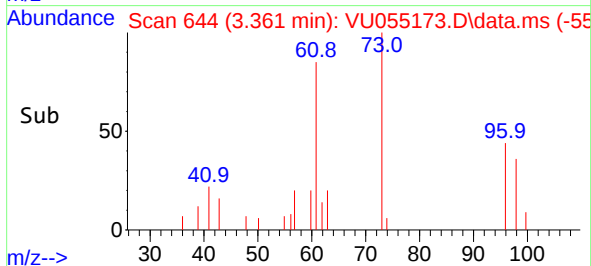
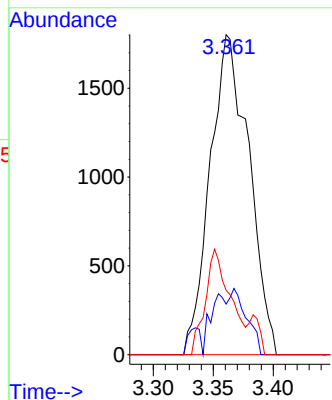
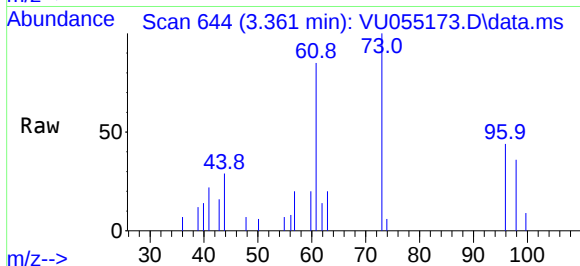




#17
Methyl tert-butyl Ether
Concen: 0.199 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.003 min
Lab File: VU055173.D
Acq: 07 Sep 2023 05:00

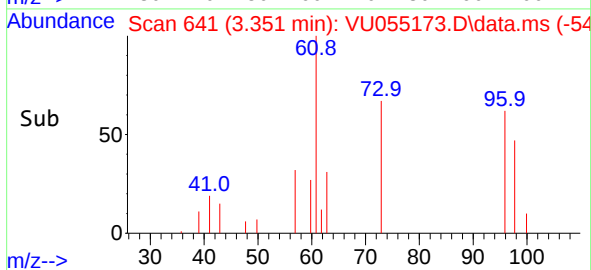
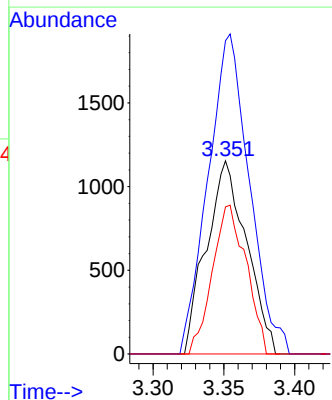
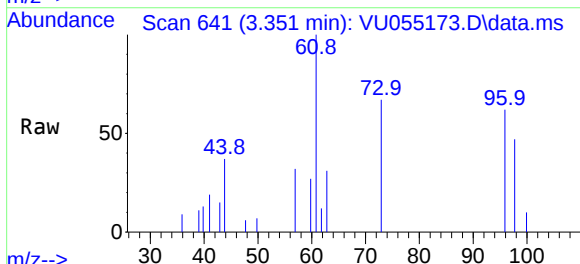
Instrument :
MSVOA_U
ClientSampleId :
BH4D5

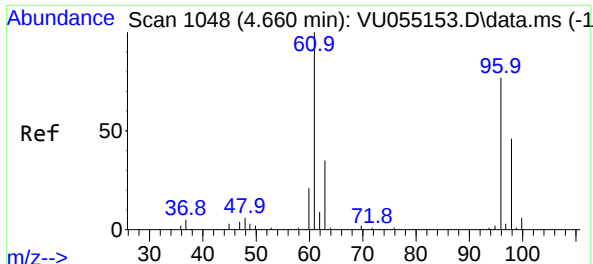
Tgt Ion: 73 Resp: 4055
Ion Ratio Lower Upper
73 100
43 9.4 16.2 24.2#
57 3.5 17.4 26.2#



#18
trans-1,2-Dichloroethene
Concen: 0.289 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055173.D
Acq: 07 Sep 2023 05:00

Tgt Ion: 96 Resp: 2274
Ion Ratio Lower Upper
96 100
61 162.1 108.1 200.9
98 76.2 45.4 84.4

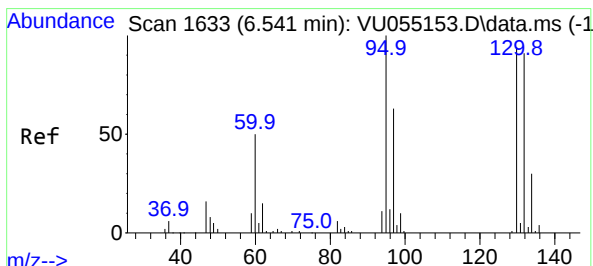
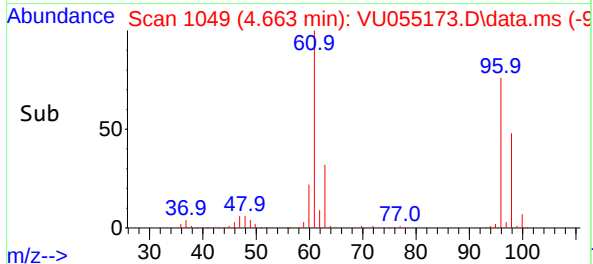
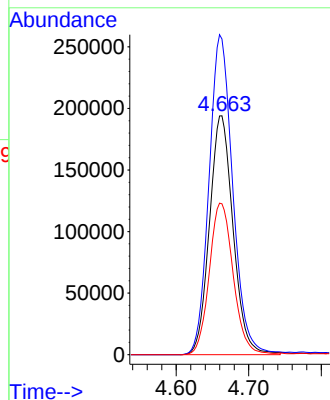
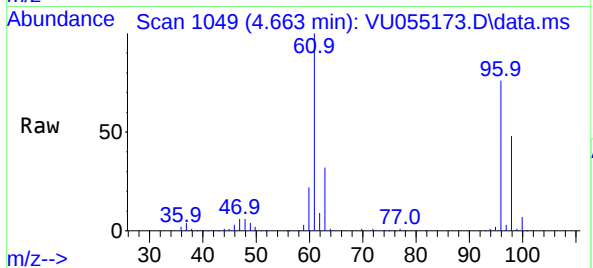




#22
cis-1,2-Dichloroethene
Concen: 45.655 ug/L
RT: 4.663 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU055173.D
Acq: 07 Sep 2023 05:00

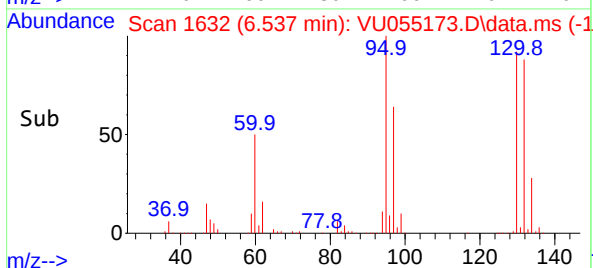
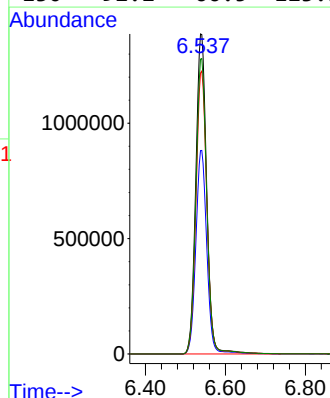
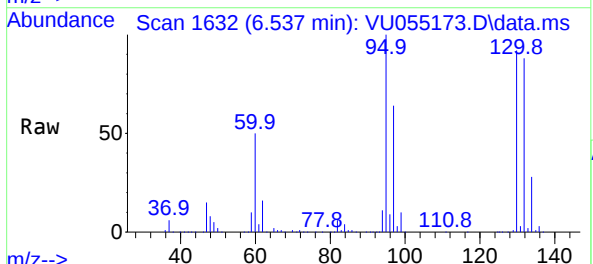
Instrument :
MSVOA_U
ClientSampleId :
BH4D5

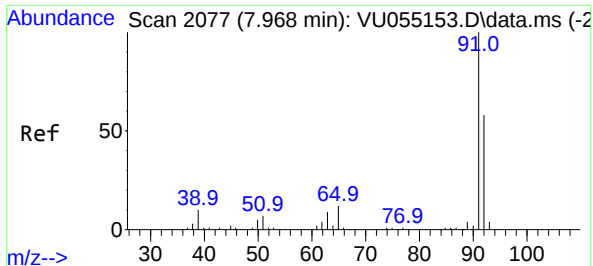
Tgt Ion: 96 Resp: 439587
Ion Ratio Lower Upper
96 100
61 132.2 97.2 180.4
98 63.2 46.1 85.7



#34
Trichloroethene
Concen: 259.277 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055173.D
Acq: 07 Sep 2023 05:00

Tgt Ion: 95 Resp: 2636563
Ion Ratio Lower Upper
95 100
97 63.6 44.7 83.1
132 87.8 66.6 123.6
130 92.2 66.5 123.5





#42

Toluene

Concen: 0.495 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.000 min

Lab File: VU055173.D

Acq: 07 Sep 2023 05:00

Instrument :

MSVOA_U

ClientSampleId :

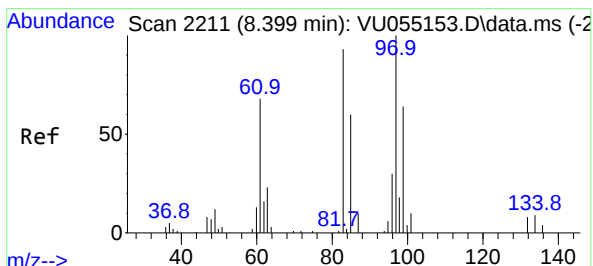
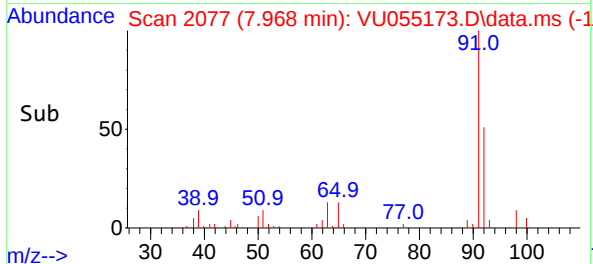
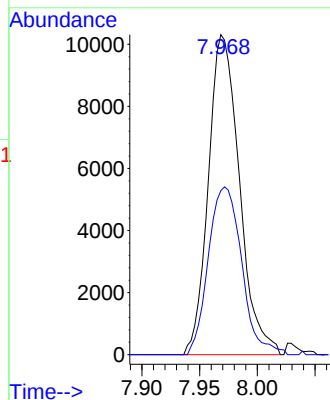
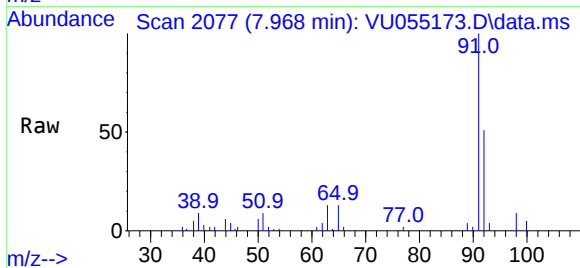
BH4D5

Tgt Ion: 91 Resp: 19299

Ion Ratio Lower Upper

91 100

92 51.3 41.9 77.9



#45

1,1,2-Trichloroethane

Concen: 0.114 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. 0.000 min

Lab File: VU055173.D

Acq: 07 Sep 2023 05:00

Tgt Ion: 97 Resp: 764

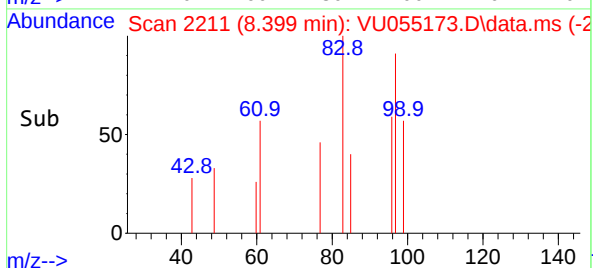
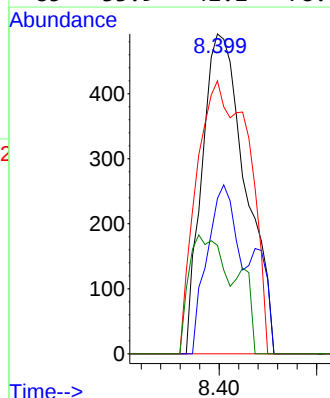
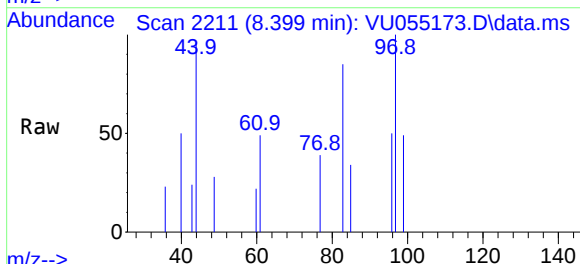
Ion Ratio Lower Upper

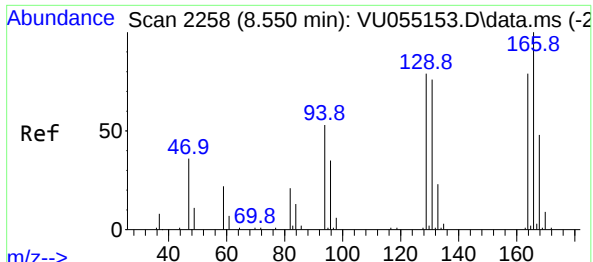
97 100

99 48.6 44.9 83.5

83 85.4 66.9 124.3

85 33.9 42.2 78.4



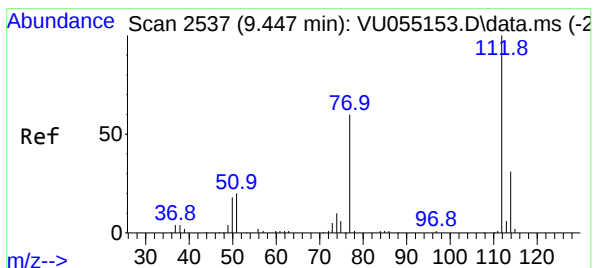
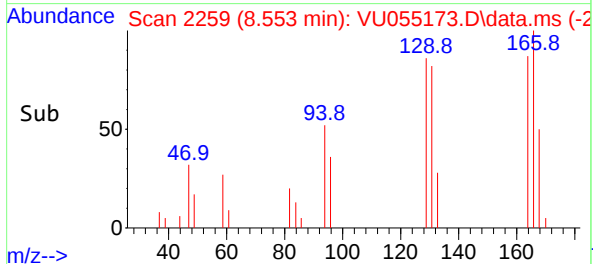
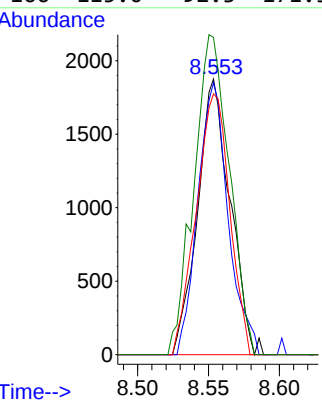
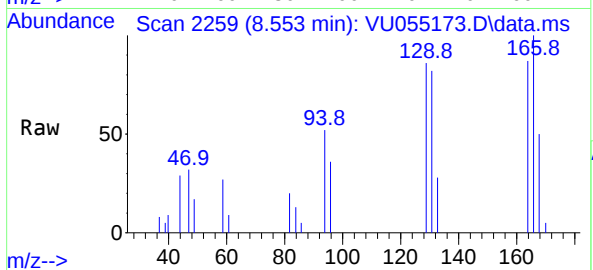


#47
Tetrachloroethene
Concen: 0.426 ug/L
RT: 8.553 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055173.D
Acq: 07 Sep 2023 05:00

Instrument :
MSVOA_U
ClientSampleId :
BH4D5

Tgt Ion:164 Resp: 2994

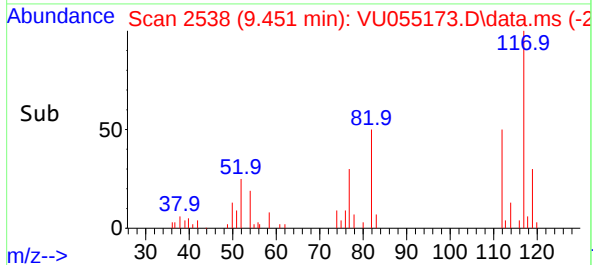
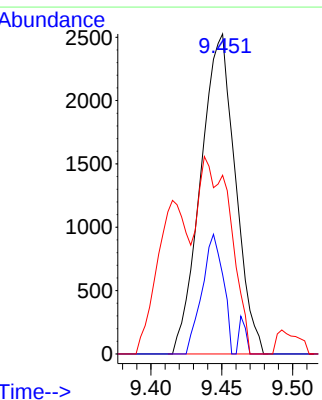
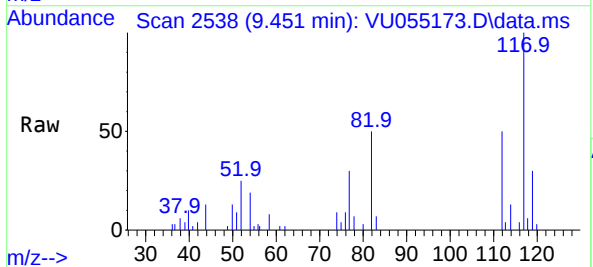
Ion	Ratio	Lower	Upper
164	100		
129	98.7	69.2	128.6
131	94.6	68.8	127.8
166	115.0	92.3	171.5

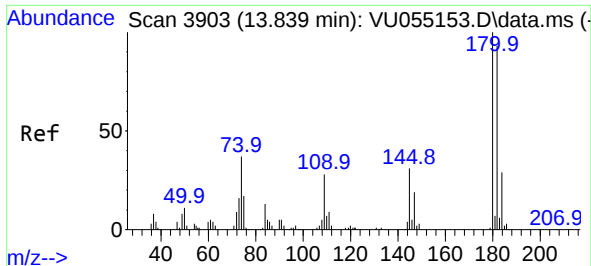


#51
Chlorobenzene
Concen: 0.166 ug/L
RT: 9.451 min Scan# 2538
Delta R.T. 0.003 min
Lab File: VU055173.D
Acq: 07 Sep 2023 05:00

Tgt Ion:112 Resp: 4288

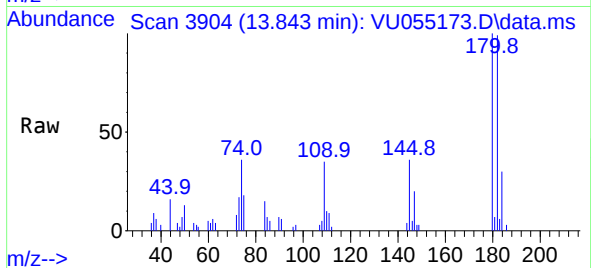
Ion	Ratio	Lower	Upper
112	100		
114	24.9	21.7	40.3
77	55.9	48.6	72.8





#70
1,2,4-trichlorobenzene
Concen: 0.826 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.003 min
Lab File: VU055173.D
Acq: 07 Sep 2023 05:00

Instrument :
MSVOA_U
ClientSampleId :
BH4D5



Tgt Ion:180 Resp: 11435
Ion Ratio Lower Upper
180 100
182 93.0 73.6 110.4
145 28.7 25.8 38.8

