

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055267.D
 Acq On : 13 Sep 2023 03:01
 Operator : MD/SY
 Sample : 04350-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4M9

Quant Time: Sep 13 05:36:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 13 05:34:47 2023
 Response via : Initial Calibration

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

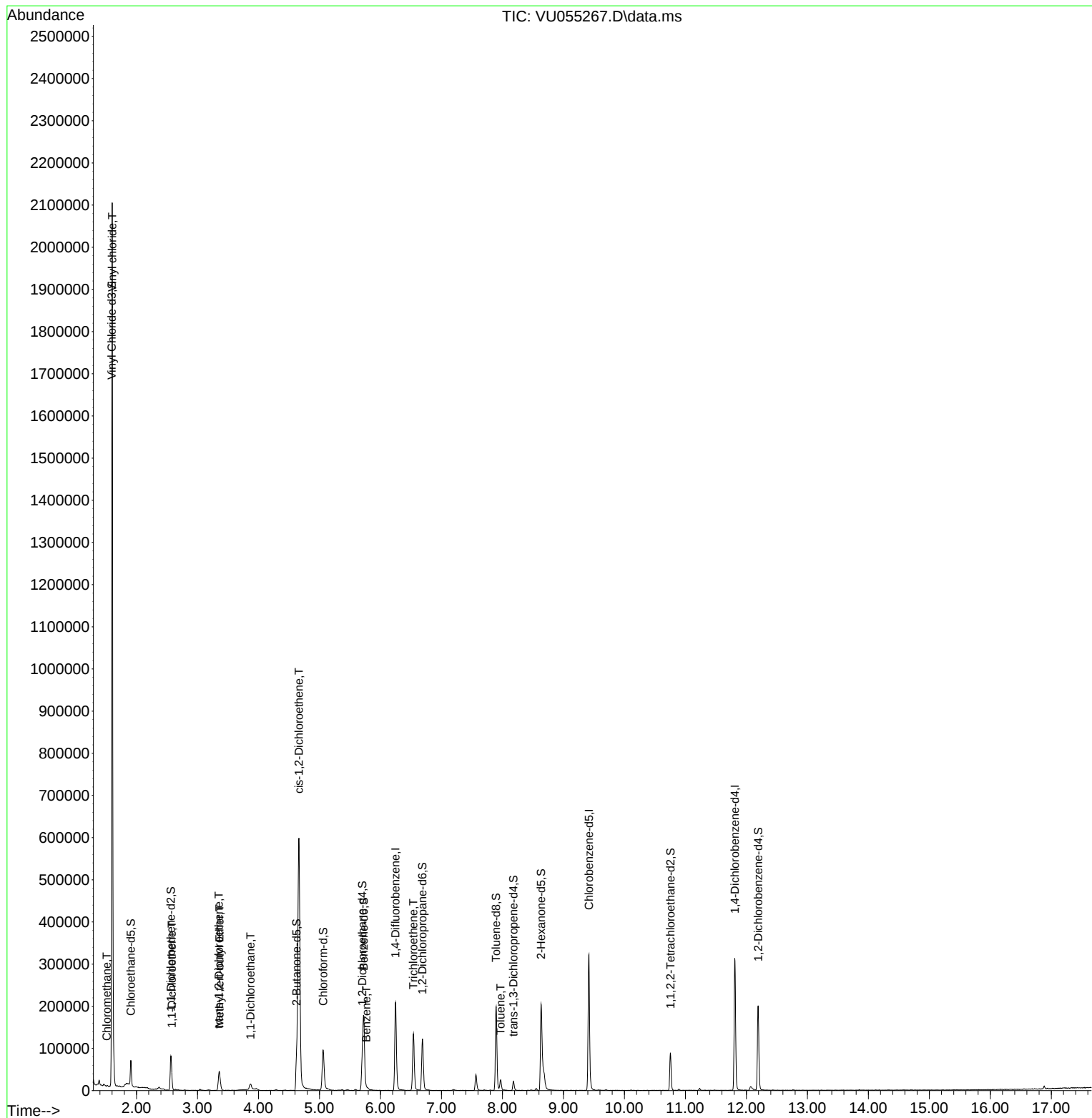
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	170154	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	180041	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	82211	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	36094	4.526	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.600%
7) Chloroethane-d5	1.907	69	41172	4.460	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	2.563	65	14838	3.265	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.400%
20) 2-Butanone-d5	4.624	46	121073	52.317	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.640%
24) Chloroform-d	5.062	84	90114	4.258	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
26) 1,2-Dichloroethane-d4	5.701	65	48237	4.556	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
32) Benzene-d6	5.724	84	168041	3.781	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.600%
36) 1,2-Dichloropropane-d6	6.689	67	59755	4.227	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.600%
41) Toluene-d8	7.897	98	136191	3.327	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.600%#
43) trans-1,3-Dichloroprop...	8.180	79	12955	3.328	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.600%
46) 2-Hexanone-d5	8.634	63	63000	39.865	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.740%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	43585	4.384	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	51291	4.274	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.400%
Target Compounds						
3) Chloromethane	1.515	50	1348	0.134	ug/L	96
5) Vinyl chloride	1.602	62	1435203	135.151	ug/L	95
12) 1,1-Dichloroethene	2.579	96	5699	0.724	ug/L #	4
17) Methyl tert-butyl Ether	3.361	73	27325	1.324	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	9628	1.206	ug/L	92
19) 1,1-Dichloroethane	3.869	63	15044	0.872	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	311771	31.912	ug/L	92
33) Benzene	5.772	78	4721	0.123	ug/L	100
34) Trichloroethene	6.541	95	46768	4.392	ug/L	98
42) Toluene	7.968	91	19045	0.466	ug/L	93

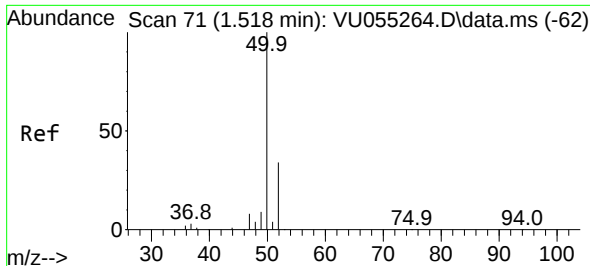
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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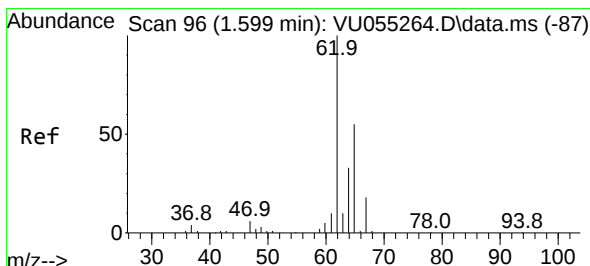
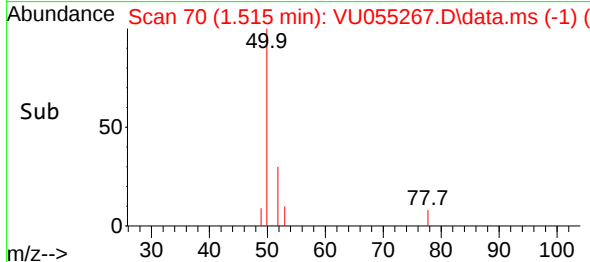
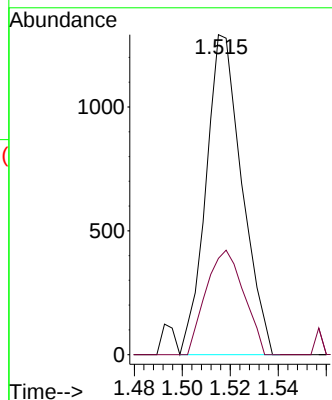
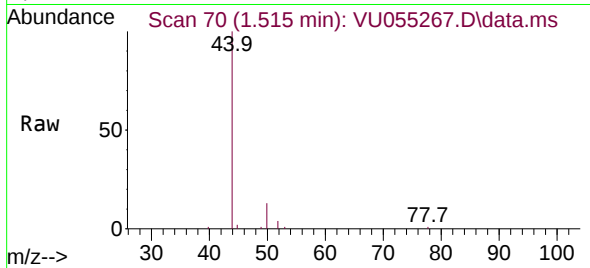




#3
Chloromethane
Concen: 0.134 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU055267.D
Acq: 13 Sep 2023 03:01

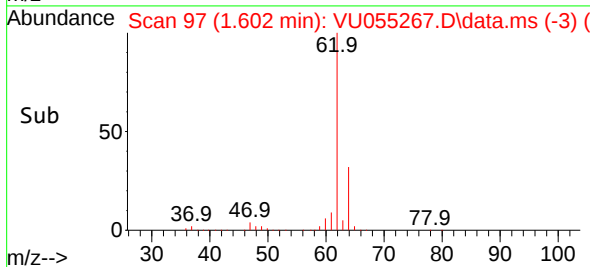
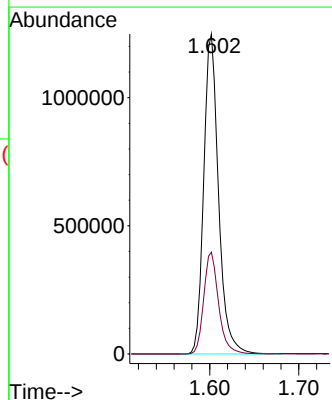
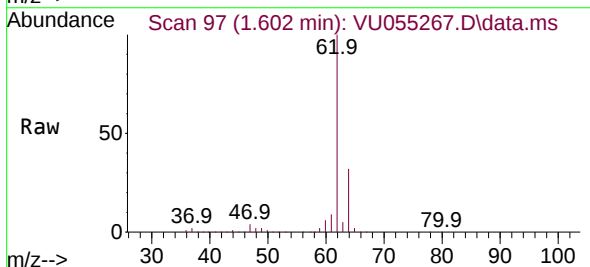
Instrument :
MSVOA_U
ClientSampleId :
BH4M9

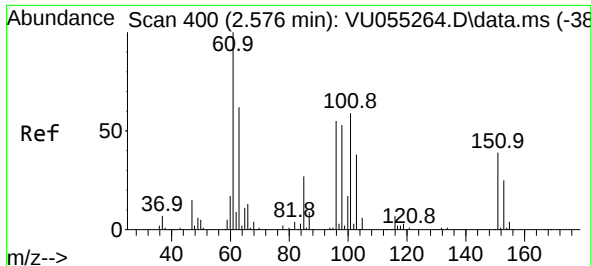
Tgt Ion: 50 Resp: 1348
Ion Ratio Lower Upper
50 100
52 30.1 22.5 41.7



#5
Vinyl chloride
Concen: 135.151 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.003 min
Lab File: VU055267.D
Acq: 13 Sep 2023 03:01

Tgt Ion: 62 Resp: 1435203
Ion Ratio Lower Upper
62 100
64 31.8 24.2 45.0





#12

1,1-Dichloroethene

Concen: 0.724 ug/L

RT: 2.579 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU055267.D

Acq: 13 Sep 2023 03:01

Instrument :

MSVOA_U

ClientSampleId :

BH4M9

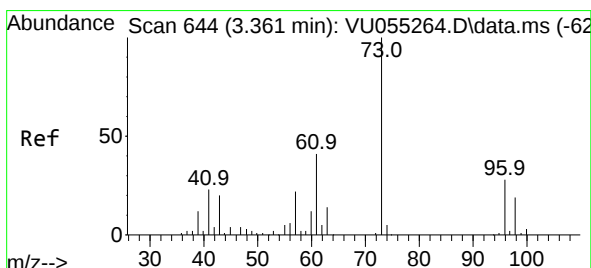
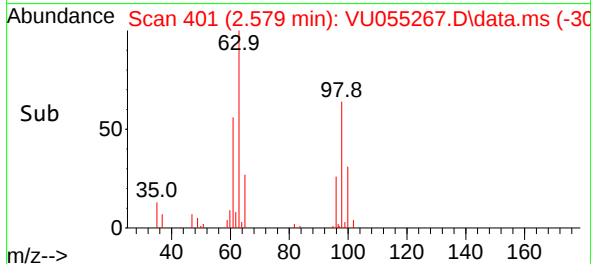
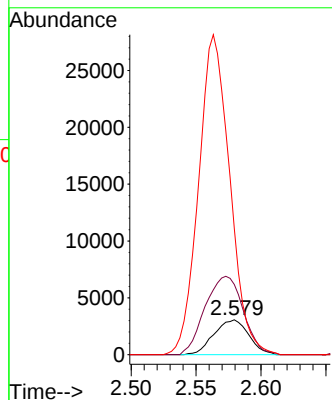
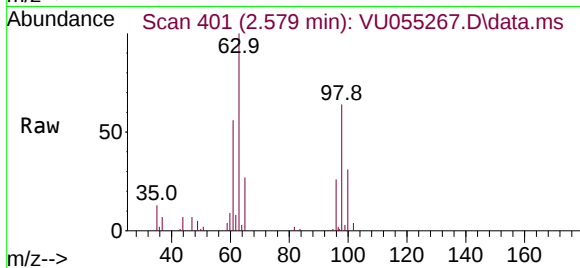
Tgt Ion: 96 Resp: 5699

Ion Ratio Lower Upper

96 100

61 201.7 120.8 224.4

63 362.6 94.5 175.5#



#17

Methyl tert-butyl Ether

Concen: 1.324 ug/L

RT: 3.361 min Scan# 644

Delta R.T. -0.000 min

Lab File: VU055267.D

Acq: 13 Sep 2023 03:01

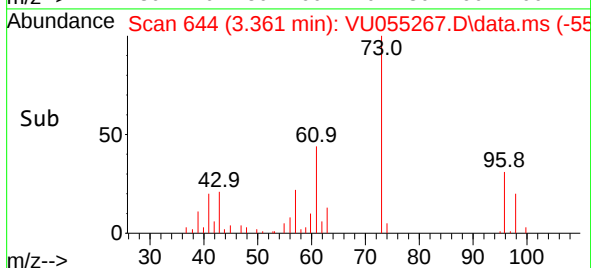
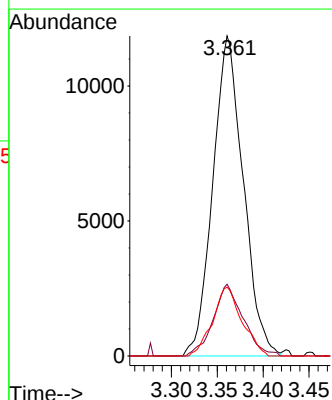
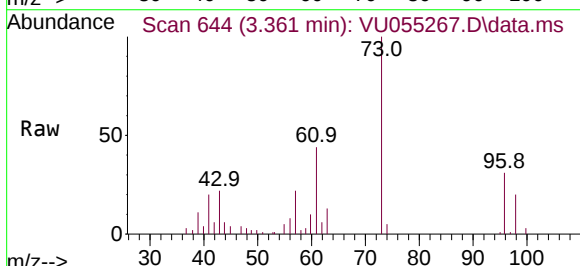
Tgt Ion: 73 Resp: 27325

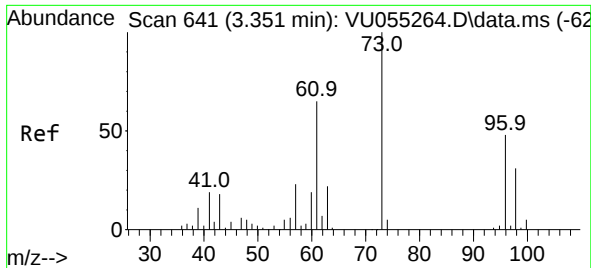
Ion Ratio Lower Upper

73 100

43 21.9 16.2 24.2

57 20.6 17.4 26.2

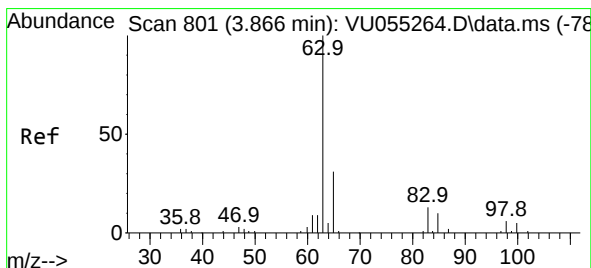
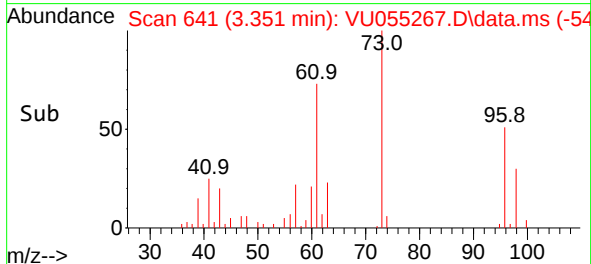
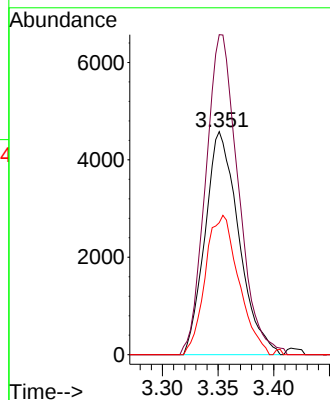
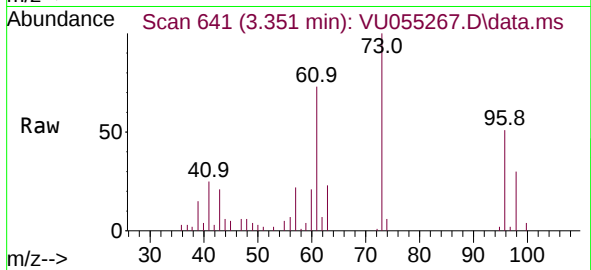




#18
trans-1,2-Dichloroethene
Concen: 1.206 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055267.D
Acq: 13 Sep 2023 03:01

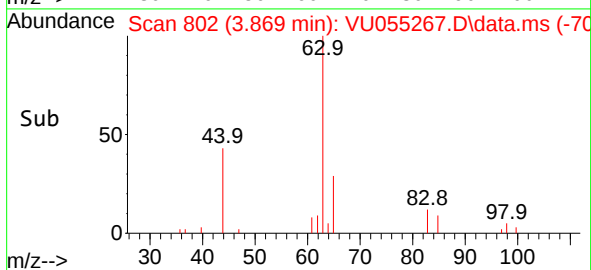
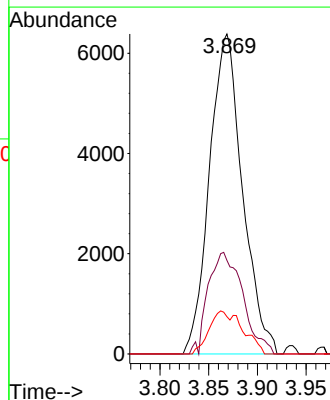
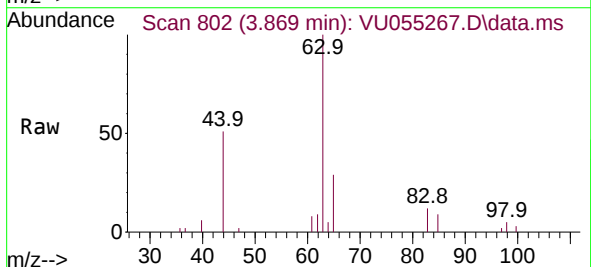
Instrument :
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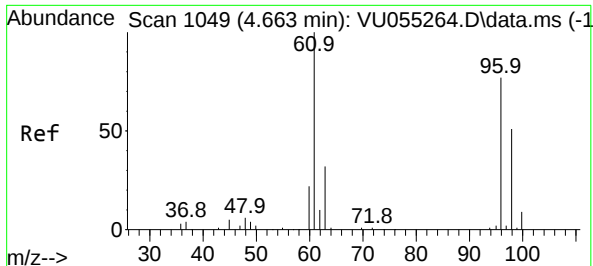
Tgt Ion: 96 Resp: 9628
Ion Ratio Lower Upper
96 100
61 143.5 108.1 200.9
98 59.2 45.4 84.4



#19
1,1-Dichloroethane
Concen: 0.872 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU055267.D
Acq: 13 Sep 2023 03:01

Tgt Ion: 63 Resp: 15044
Ion Ratio Lower Upper
63 100
65 29.2 22.2 41.2
83 11.7 10.6 19.8





#22

cis-1,2-Dichloroethene

Concen: 31.912 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055267.D

Acq: 13 Sep 2023 03:01

Instrument :

MSVOA_U

ClientSampleId :

BH4M9

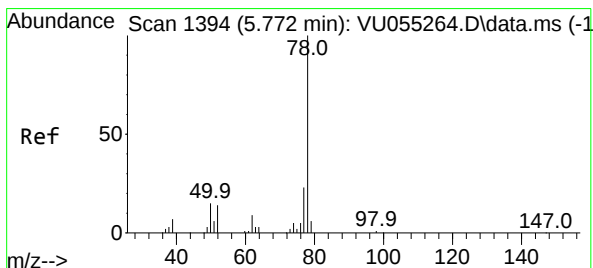
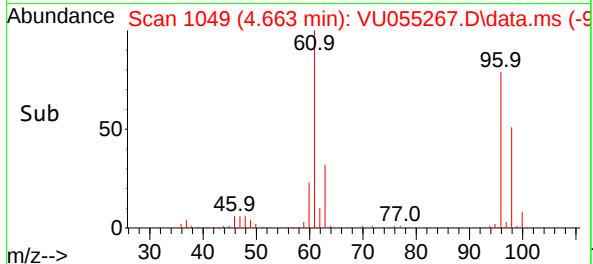
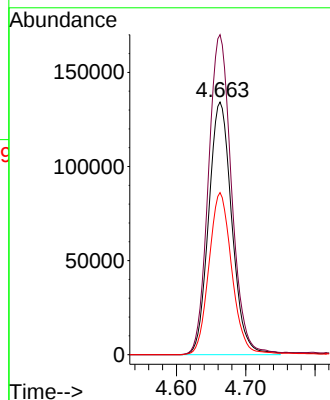
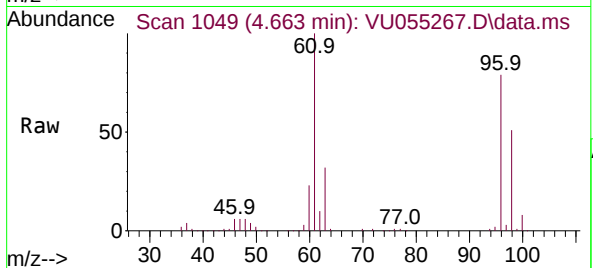
Tgt Ion: 96 Resp: 311771

Ion Ratio Lower Upper

96 100

61 126.6 97.2 180.4

98 64.1 46.1 85.7



#33

Benzene

Concen: 0.123 ug/L

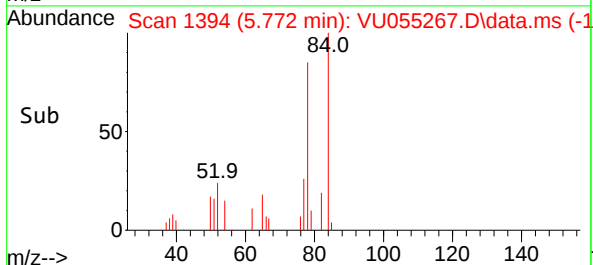
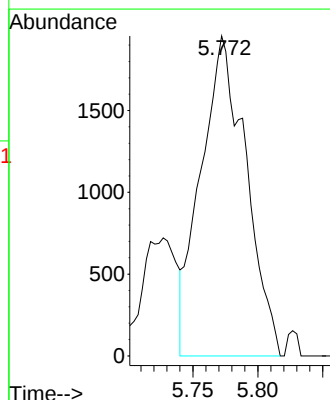
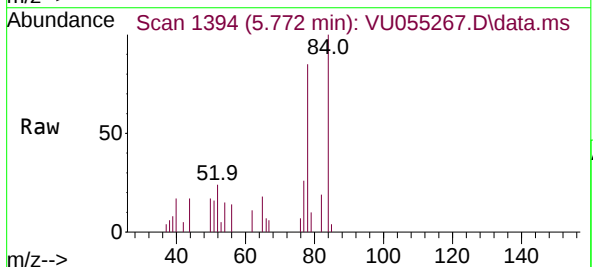
RT: 5.772 min Scan# 1394

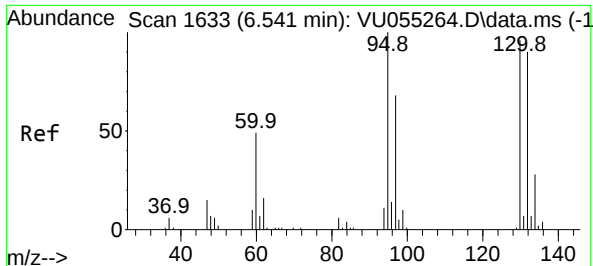
Delta R.T. -0.000 min

Lab File: VU055267.D

Acq: 13 Sep 2023 03:01

Tgt Ion: 78 Resp: 4721

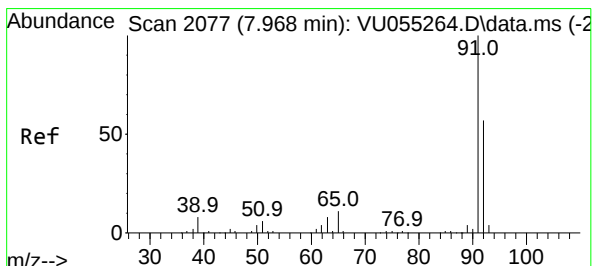
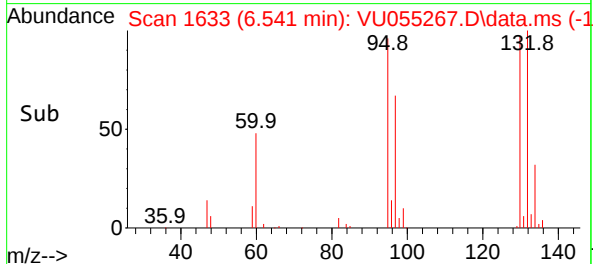
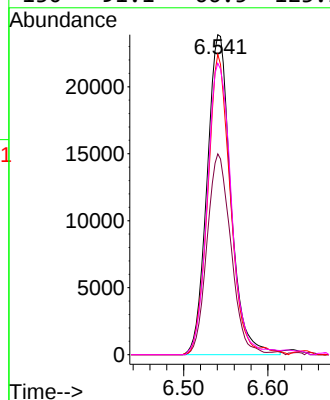
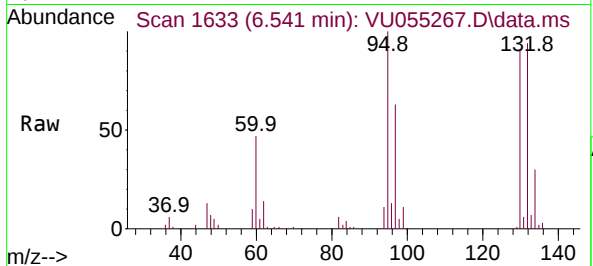




#34
Trichloroethene
Concen: 4.392 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
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Tgt Ion: 95 Resp: 46768
Ion Ratio Lower Upper
95 100
97 62.7 44.7 83.1
132 93.8 66.6 123.6
130 91.1 66.5 123.5



#42
Toluene
Concen: 0.466 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. -0.000 min
Lab File: VU055267.D
Acq: 13 Sep 2023 03:01

Tgt Ion: 91 Resp: 19045
Ion Ratio Lower Upper
91 100
92 54.3 41.9 77.9

