

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055269.D
 Acq On : 13 Sep 2023 03:50
 Operator : MD/SY
 Sample : 04350-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4N1

Quant Time: Sep 13 05:36:57 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	173675	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	191042	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	88757	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	34837	4.280	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.600%
7) Chloroethane-d5	1.907	69	43207	4.586	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.563	65	14566	3.141	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.800%
20) 2-Butanone-d5	4.624	46	128437	54.374	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.740%
24) Chloroform-d	5.062	84	95459	4.419	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.701	65	48663	4.503	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
32) Benzene-d6	5.724	84	177894	3.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.400%
36) 1,2-Dichloropropane-d6	6.689	67	60209	4.014	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.200%
41) Toluene-d8	7.897	98	156316	3.598	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.000%
43) trans-1,3-Dichloroprop...	8.180	79	13834	3.349	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.000%
46) 2-Hexanone-d5	8.631	63	73151	43.623	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.240%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	46645	4.422	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	51703	3.991	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.800%#

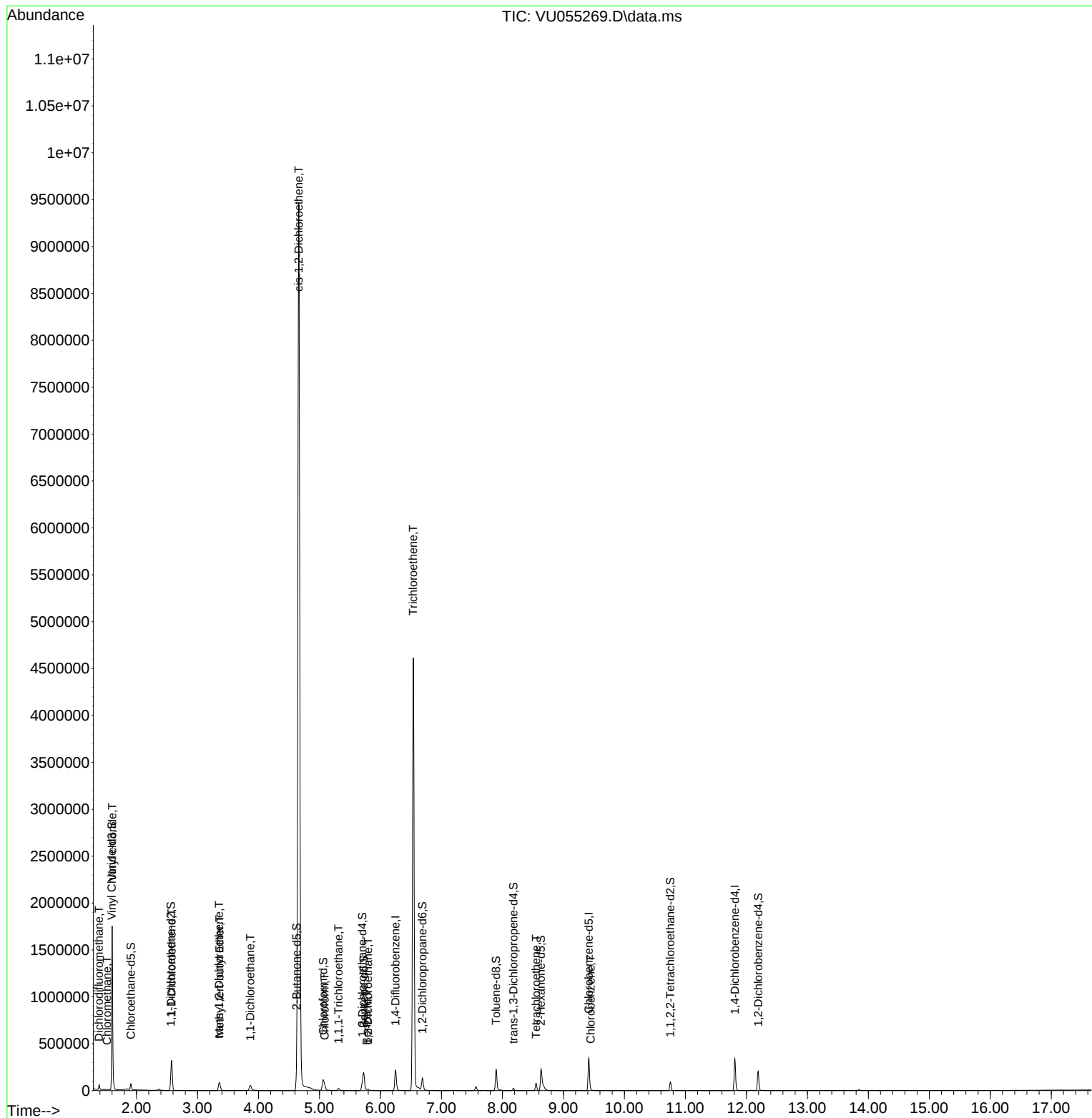
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	2319	0.230	ug/L	99
3) Chloromethane	1.515	50	2406	0.234	ug/L	87
5) Vinyl chloride	1.602	62	1203082	110.996	ug/L	96
12) 1,1-Dichloroethene	2.576	96	93248	11.613	ug/L #	77
17) Methyl tert-butyl Ether	3.361	73	74271	3.527	ug/L	99
18) trans-1,2-Dichloroethene	3.354	96	8941	1.098	ug/L	87
19) 1,1-Dichloroethane	3.865	63	59846	3.399	ug/L	93
22) cis-1,2-Dichloroethene	4.660	96	4835150	484.874	ug/L	93
25) Chloroform	5.087	83	36584	1.995	ug/L	92
27) 1,2-Dichloroethane	5.795	62	11258	1.006	ug/L	95
29) 1,1,1-Trichloroethane	5.312	97	15780	0.955	ug/L #	86
33) Benzene	5.779	78	6009	0.148	ug/L	100
34) Trichloroethene	6.537	95	1565693	138.557	ug/L	98
47) Tetrachloroethene	8.553	164	16409	2.101	ug/L	94
51) Chlorobenzene	9.447	112	5655	0.197	ug/L	97

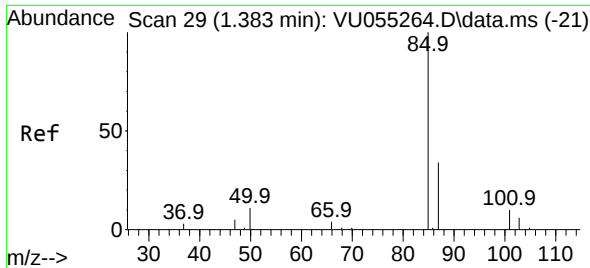
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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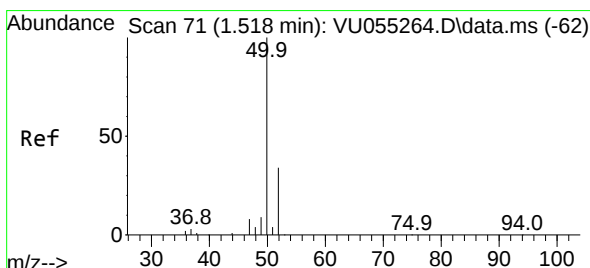
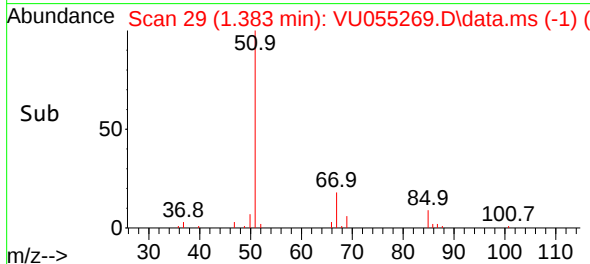
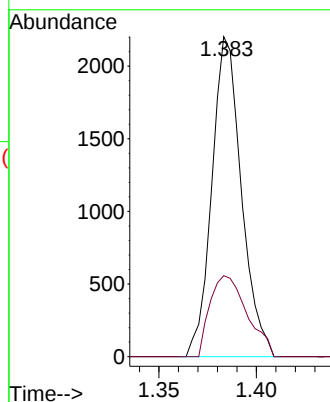
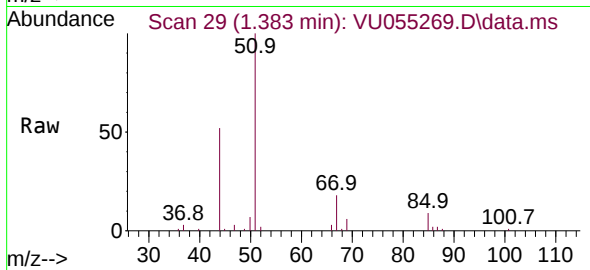




#2
 Dichlorodifluoromethane
 Concen: 0.230 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055269.D
 Acq: 13 Sep 2023 03:50

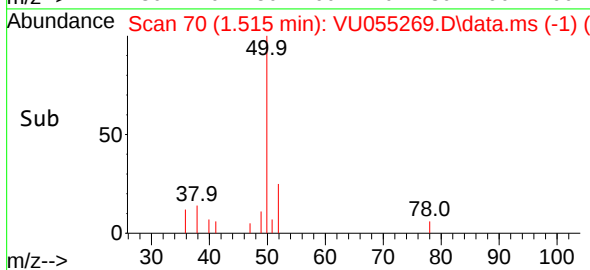
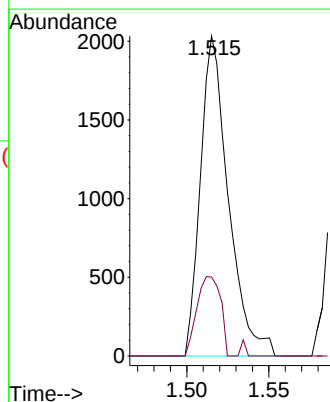
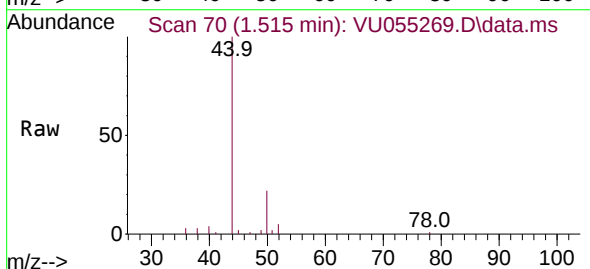
Instrument :
 MSVOA_U
 ClientSampleId :
 BH4N1

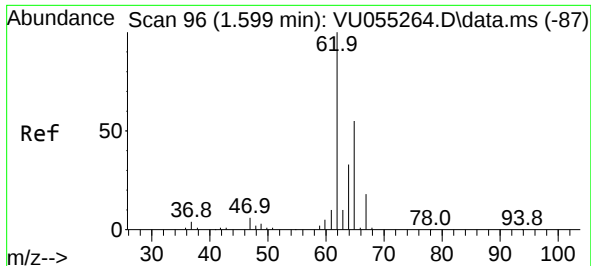
Tgt Ion: 85 Resp: 2319
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.1 37.7



#3
 Chloromethane
 Concen: 0.234 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU055269.D
 Acq: 13 Sep 2023 03:50

Tgt Ion: 50 Resp: 2406
 Ion Ratio Lower Upper
 50 100
 52 24.6 22.5 41.7

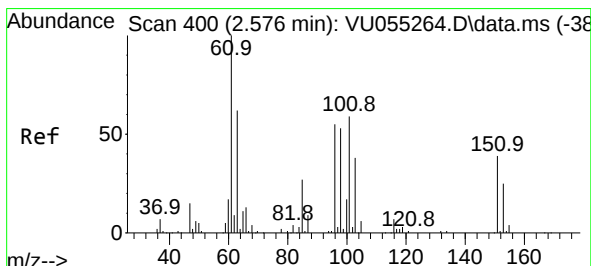
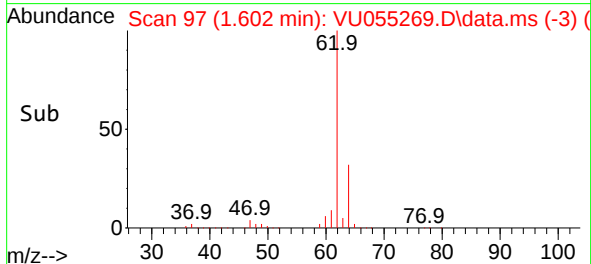
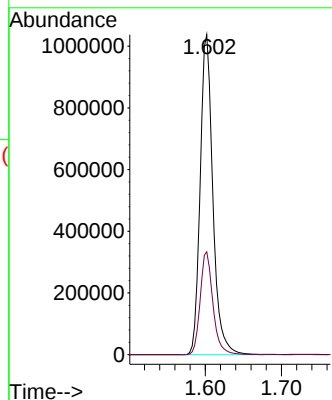
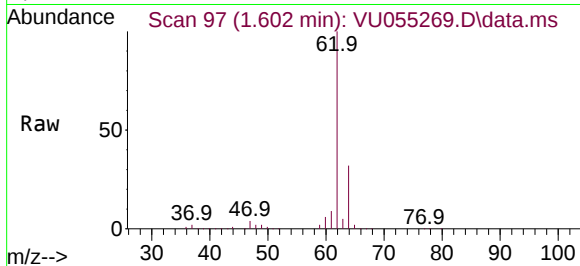




#5
 Vinyl chloride
 Concen: 110.996 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU055269.D
 Acq: 13 Sep 2023 03:50

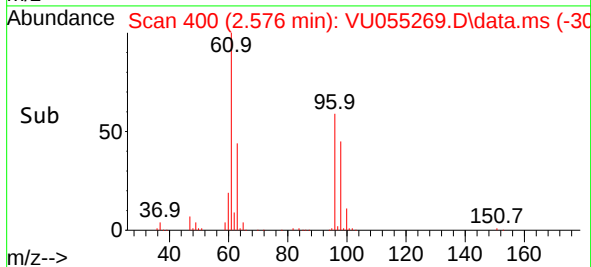
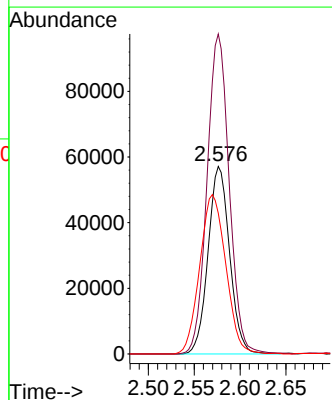
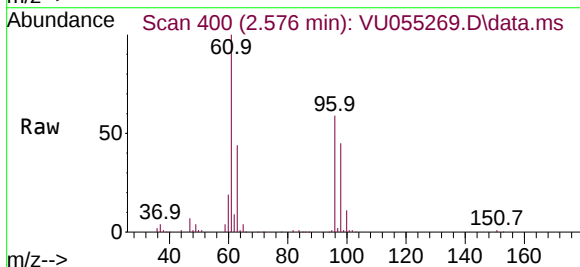
Instrument :
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 ClientSampleId :
 BH4N1

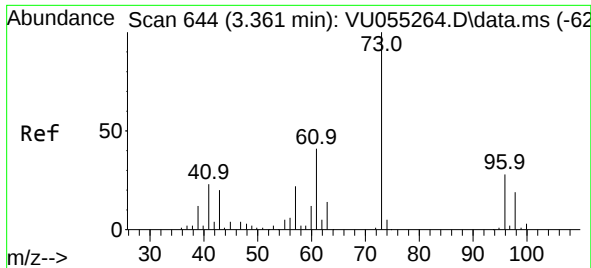
Tgt Ion: 62 Resp: 1203082
 Ion Ratio Lower Upper
 62 100
 64 32.2 24.2 45.0



#12
 1,1-Dichloroethene
 Concen: 11.613 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055269.D
 Acq: 13 Sep 2023 03:50

Tgt Ion: 96 Resp: 93248
 Ion Ratio Lower Upper
 96 100
 61 170.6 120.8 224.4
 63 75.1 94.5 175.5#

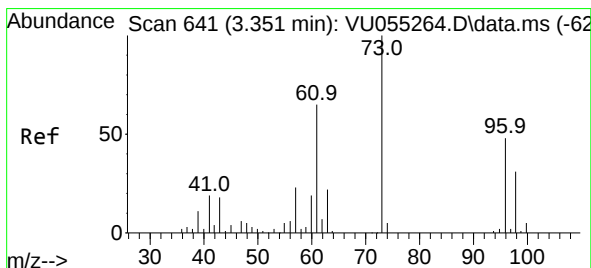
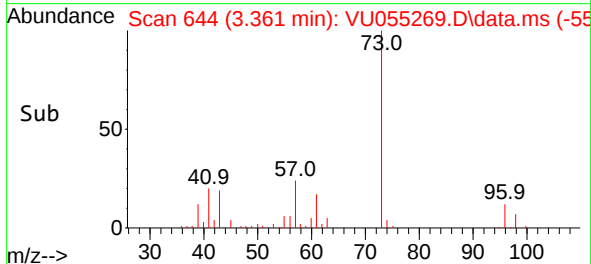
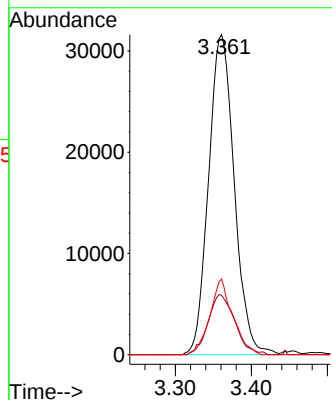
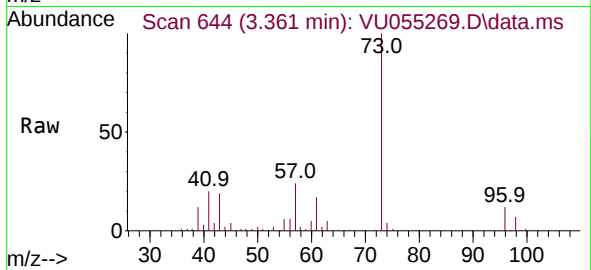




#17
Methyl tert-butyl Ether
Concen: 3.527 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU055269.D
Acq: 13 Sep 2023 03:50

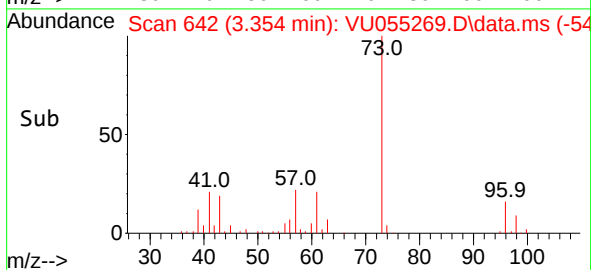
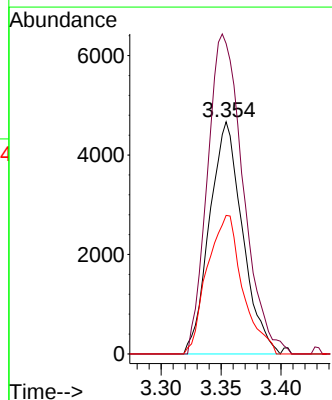
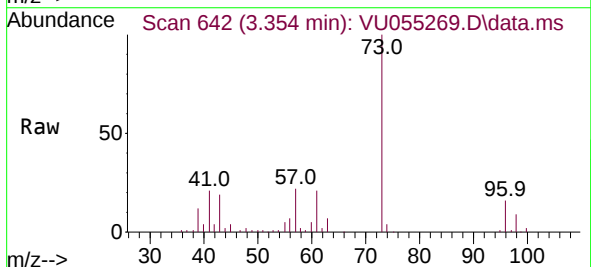
Instrument :
MSVOA_U
ClientSampleId :
BH4N1

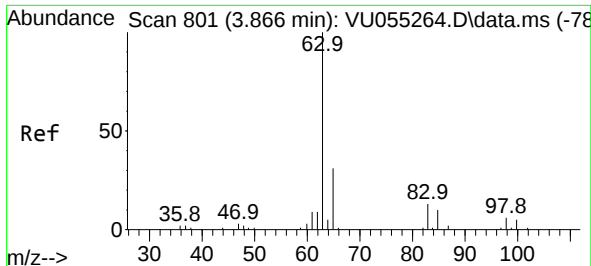
Tgt Ion:	73	Resp:	74271
Ion	Ratio	Lower	Upper
73	100		
43	19.5	16.2	24.2
57	21.1	17.4	26.2



#18
trans-1,2-Dichloroethene
Concen: 1.098 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055269.D
Acq: 13 Sep 2023 03:50

Tgt Ion:	96	Resp:	8941
Ion	Ratio	Lower	Upper
96	100		
61	133.7	108.1	200.9
98	59.7	45.4	84.4





#19

1,1-Dichloroethane

Concen: 3.399 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055269.D

Acq: 13 Sep 2023 03:50

Instrument :

MSVOA_U

ClientSampleId :

BH4N1

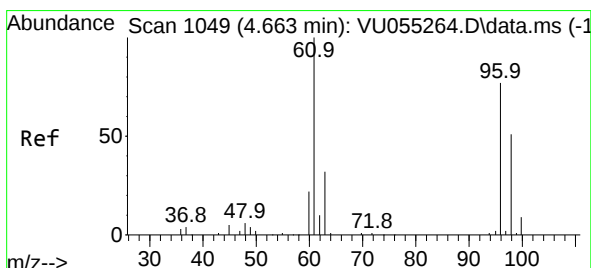
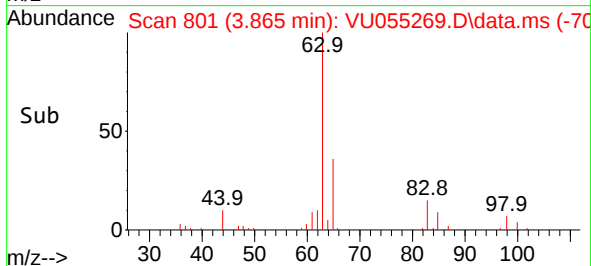
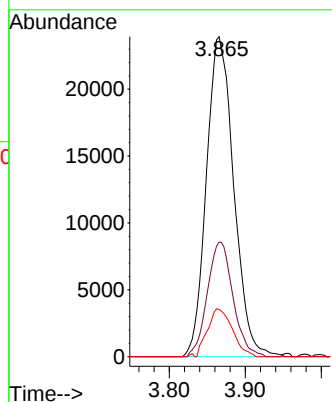
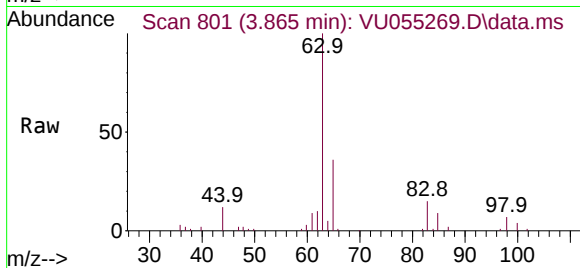
Tgt Ion: 63 Resp: 59846

Ion Ratio Lower Upper

63 100

65 37.0 22.2 41.2

83 14.7 10.6 19.8



#22

cis-1,2-Dichloroethene

Concen: 484.874 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055269.D

Acq: 13 Sep 2023 03:50

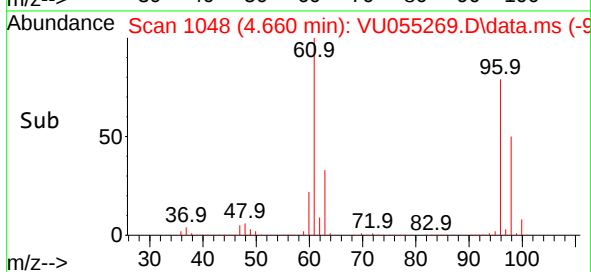
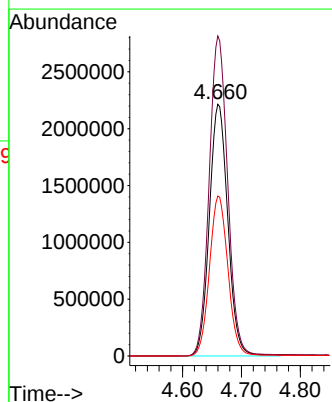
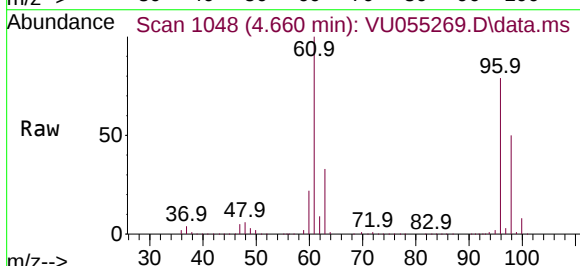
Tgt Ion: 96 Resp: 4835150

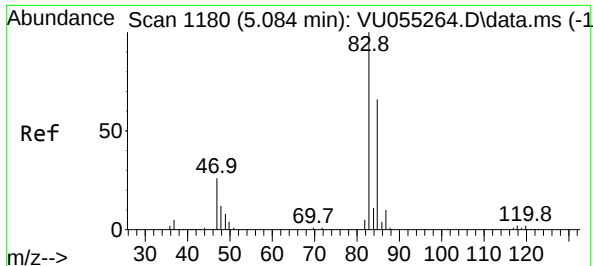
Ion Ratio Lower Upper

96 100

61 127.1 97.2 180.4

98 63.6 46.1 85.7





#25

Chloroform

Concen: 1.995 ug/L

RT: 5.087 min Scan# 1180

Delta R.T. 0.003 min

Lab File: VU055269.D

Acq: 13 Sep 2023 03:50

Instrument :

MSVOA_U

ClientSampleId :

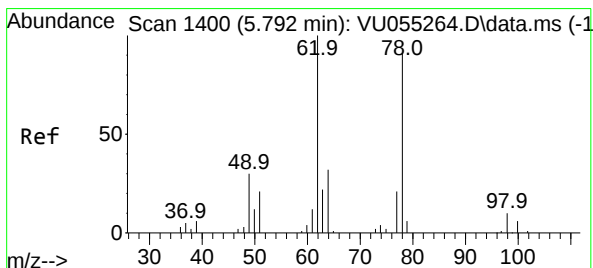
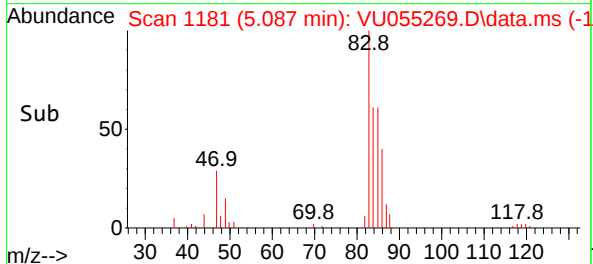
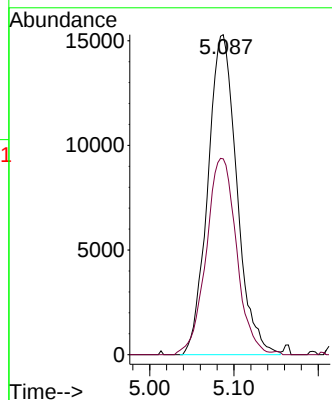
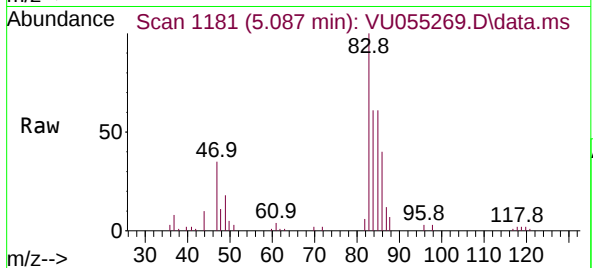
BH4N1

Tgt Ion: 83 Resp: 36584

Ion Ratio Lower Upper

83 100

85 61.2 47.2 87.6



#27

1,2-Dichloroethane

Concen: 1.006 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.003 min

Lab File: VU055269.D

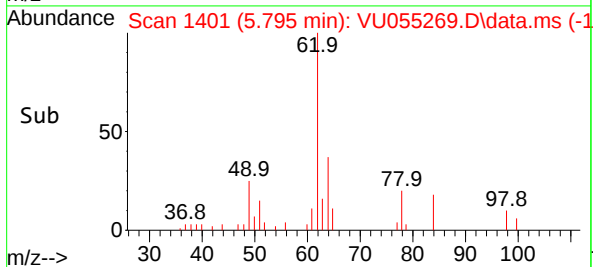
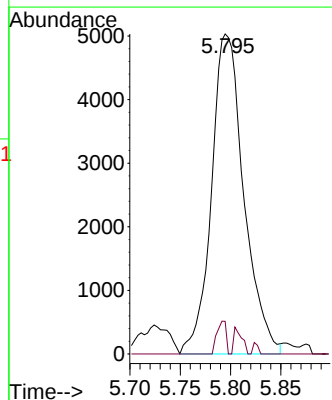
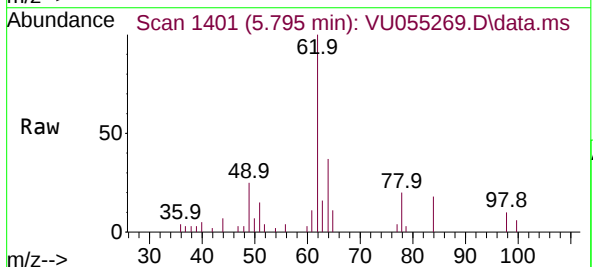
Acq: 13 Sep 2023 03:50

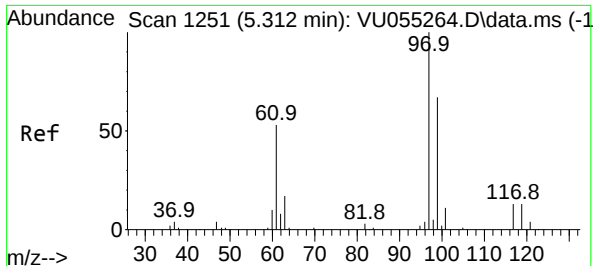
Tgt Ion: 62 Resp: 11258

Ion Ratio Lower Upper

62 100

98 10.2 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 0.955 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055269.D

Acq: 13 Sep 2023 03:50

Instrument :

MSVOA_U

ClientSampleId :

BH4N1

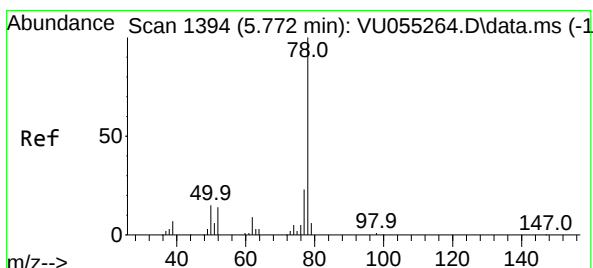
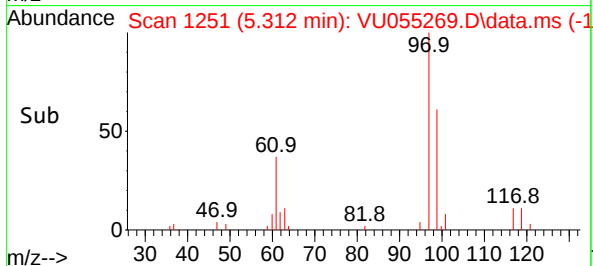
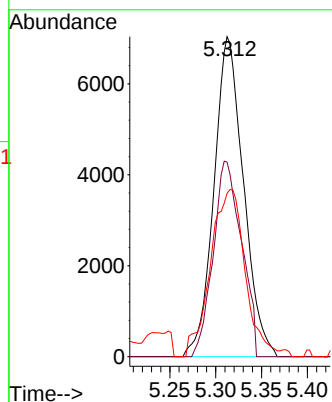
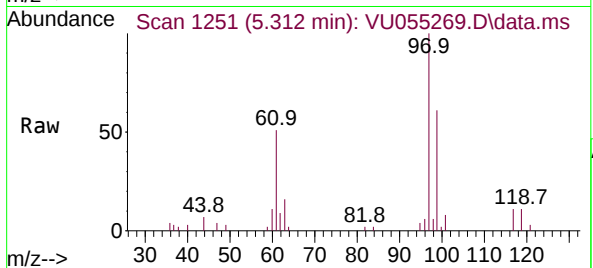
Tgt Ion: 97 Resp: 15780

Ion Ratio Lower Upper

97 100

99 58.4 51.8 77.8

61 61.2 36.8 55.2#



#33

Benzene

Concen: 0.148 ug/L

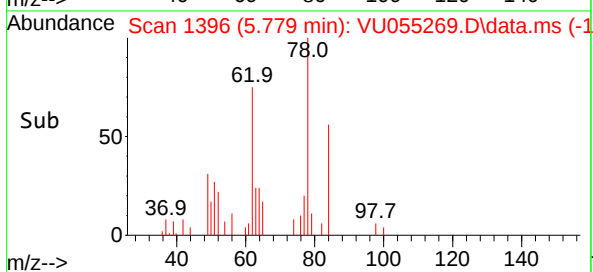
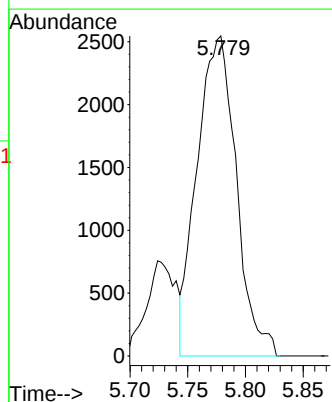
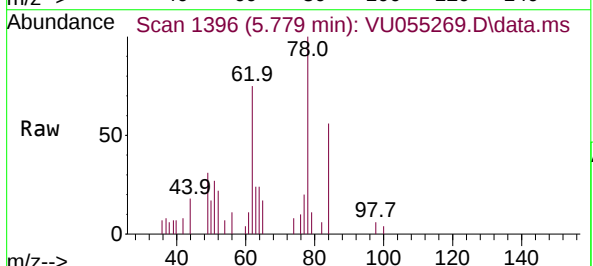
RT: 5.779 min Scan# 1396

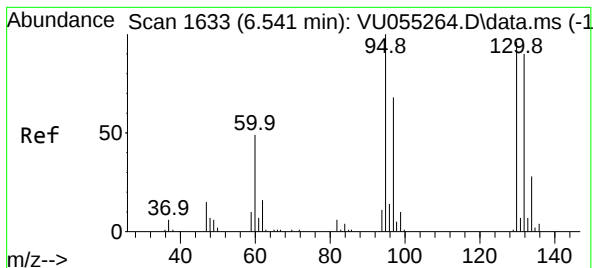
Delta R.T. 0.006 min

Lab File: VU055269.D

Acq: 13 Sep 2023 03:50

Tgt Ion: 78 Resp: 6009





#34

Trichloroethene

Concen: 138.557 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055269.D

Acq: 13 Sep 2023 03:50

Instrument :

MSVOA_U

ClientSampleId :

BH4N1

Tgt Ion: 95 Resp: 1565693

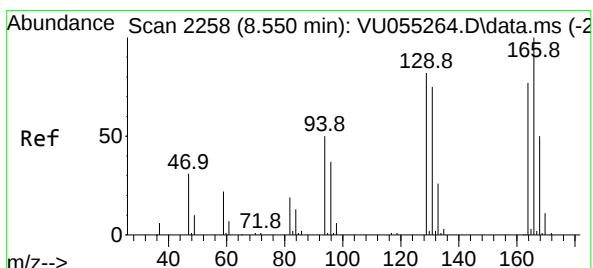
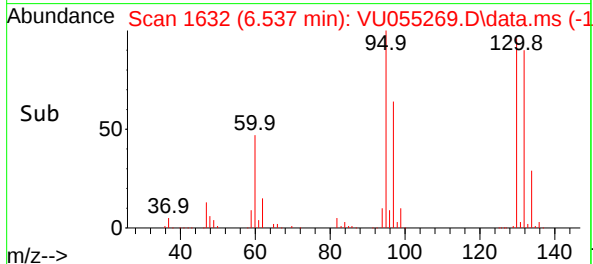
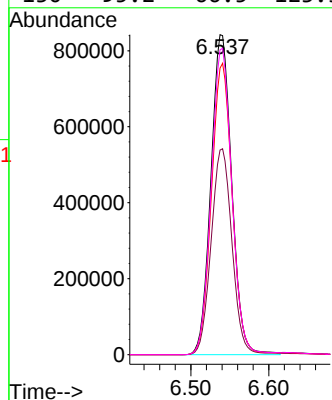
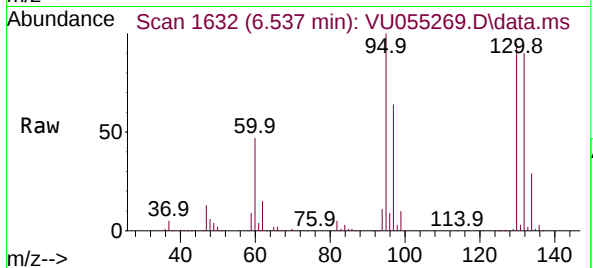
Ion Ratio Lower Upper

95 100

97 63.9 44.7 83.1

132 89.6 66.6 123.6

130 95.2 66.5 123.5



#47

Tetrachloroethene

Concen: 2.101 ug/L

RT: 8.553 min Scan# 2259

Delta R.T. 0.003 min

Lab File: VU055269.D

Acq: 13 Sep 2023 03:50

Tgt Ion:164 Resp: 16409

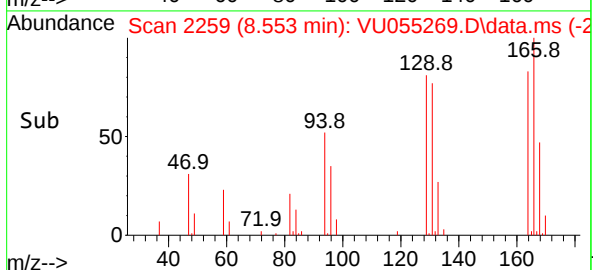
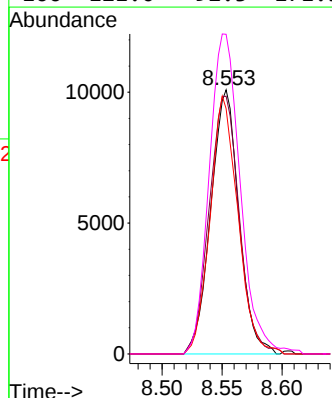
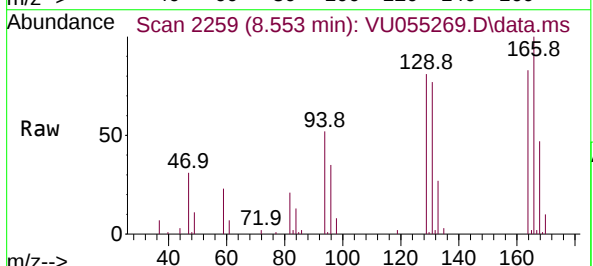
Ion Ratio Lower Upper

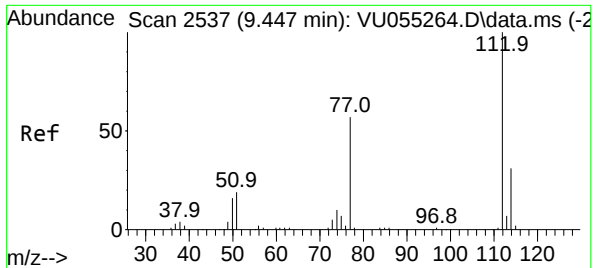
164 100

129 97.6 69.2 128.6

131 92.8 68.8 127.8

166 121.0 92.3 171.5





#51
Chlorobenzene
Concen: 0.197 ug/L
RT: 9.447 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055269.D
Acq: 13 Sep 2023 03:50

Instrument :
MSVOA_U
ClientSampleId :
BH4N1

Tgt Ion:112	Resp:	5655
Ion	Ratio	Lower Upper
112	100	
114	31.0	21.7 40.3
77	57.5	48.6 72.8

