

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055270.D
 Acq On : 13 Sep 2023 04:15
 Operator : MD/SY
 Sample : 04350-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4N2

Quant Time: Sep 13 05:37:19 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)

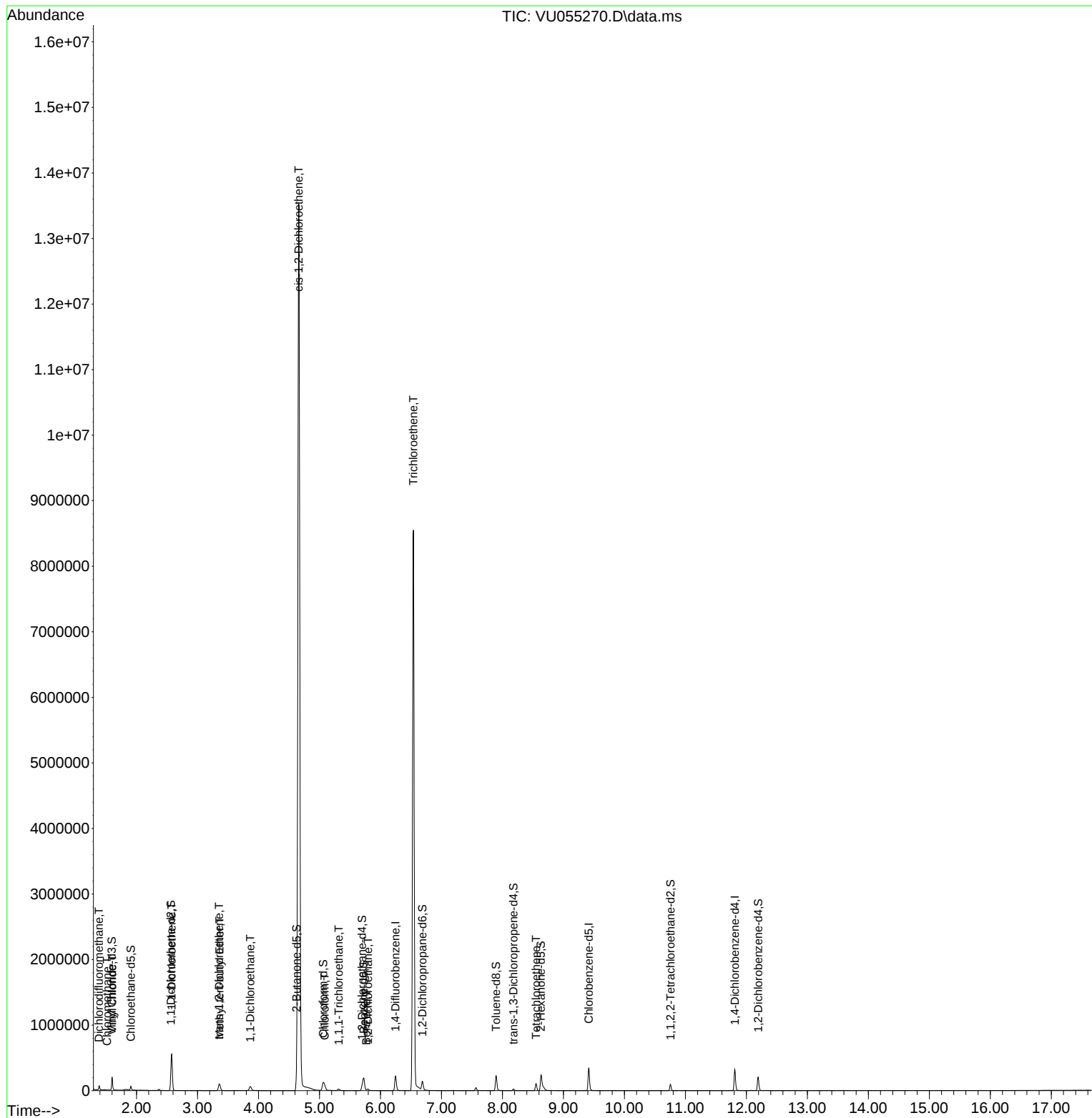
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	178848	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	187968	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	84008	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	26799	3.197	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.000%
7) Chloroethane-d5	1.907	69	40811	4.206	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.563	65	15121	3.166	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.400%
20) 2-Butanone-d5	4.624	46	135483	55.698	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.400%
24) Chloroform-d	5.062	84	99188	4.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.698	65	52047	4.677	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.724	84	182667	3.937	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.800%
36) 1,2-Dichloropropane-d6	6.689	67	61621	4.176	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.600%
41) Toluene-d8	7.898	98	158383	3.706	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.200%
43) trans-1,3-Dichloroprop...	8.181	79	13938	3.430	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.600%
46) 2-Hexanone-d5	8.631	63	76213	46.192	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.380%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	47382	4.565	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	52809	4.307	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	2723	0.262	ug/L #	85
3) Chloromethane	1.518	50	1478	0.140	ug/L	87
5) Vinyl chloride	1.602	62	114728	10.279	ug/L	98
12) 1,1-Dichloroethene	2.576	96	170646	20.638	ug/L #	75
17) Methyl tert-butyl Ether	3.361	73	94966	4.379	ug/L	99
18) trans-1,2-Dichloroethene	3.354	96	7339	0.875	ug/L	99
19) 1,1-Dichloroethane	3.866	63	72507	3.999	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	6939633	675.786	ug/L	92
25) Chloroform	5.084	83	55633	2.946	ug/L	92
27) 1,2-Dichloroethane	5.795	62	18313	1.589	ug/L	96
29) 1,1,1-Trichloroethane	5.316	97	16025	0.986	ug/L #	88
33) Benzene	5.772	78	5824	0.146	ug/L	100
34) Trichloroethene	6.541	95	2879494	258.990	ug/L	98
47) Tetrachloroethene	8.553	164	23409	3.046	ug/L	95

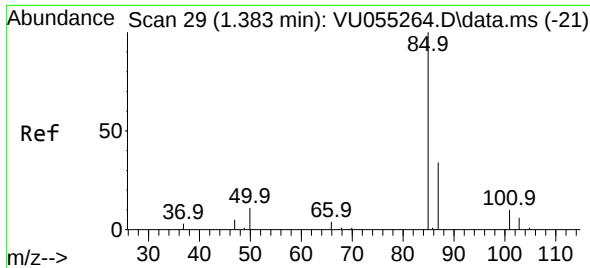
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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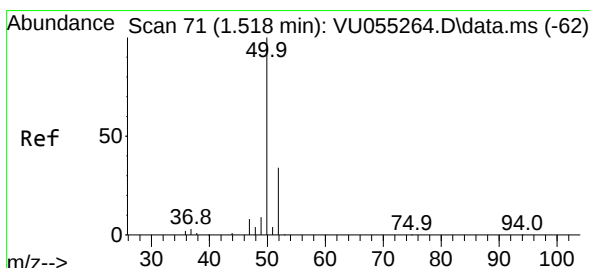
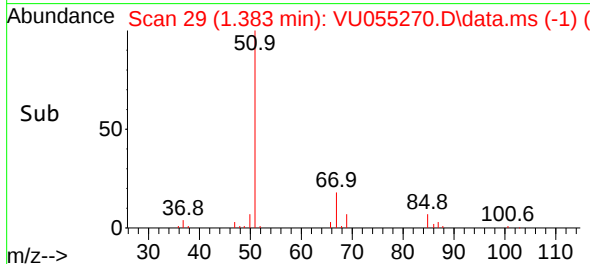
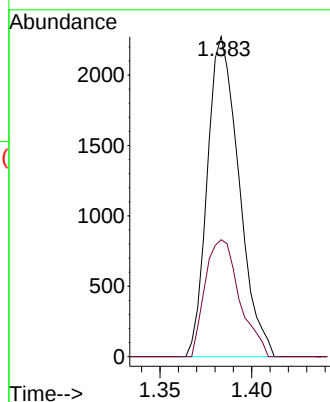
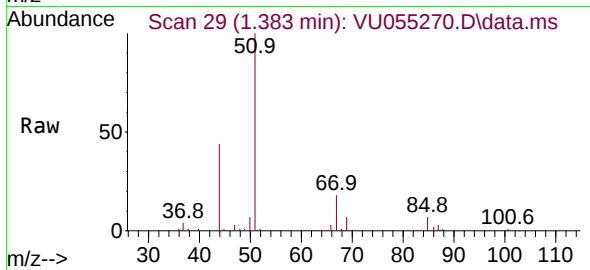




#2
 Dichlorodifluoromethane
 Concen: 0.262 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055270.D
 Acq: 13 Sep 2023 04:15

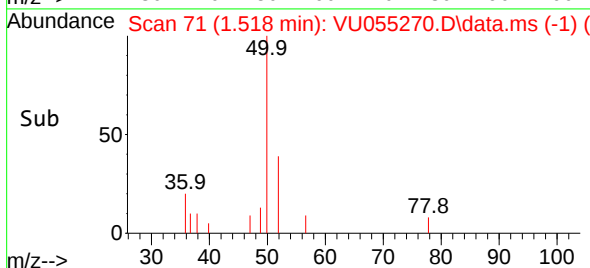
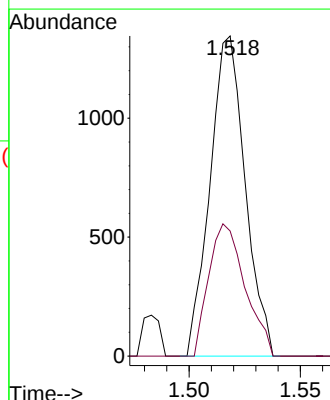
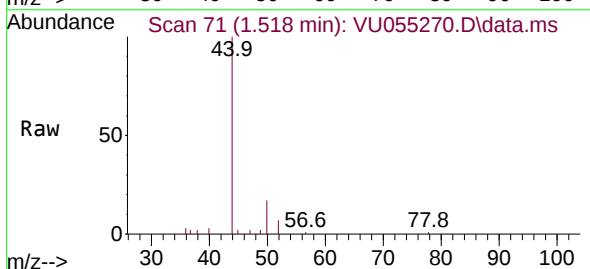
Instrument :
 MSVOA_U
 ClientSampleId :
 BH4N2

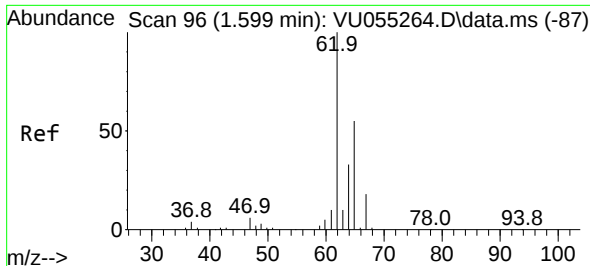
Tgt Ion: 85 Resp: 2723
 Ion Ratio Lower Upper
 85 100
 87 39.7 25.1 37.7#



#3
 Chloromethane
 Concen: 0.140 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU055270.D
 Acq: 13 Sep 2023 04:15

Tgt Ion: 50 Resp: 1478
 Ion Ratio Lower Upper
 50 100
 52 39.1 22.5 41.7

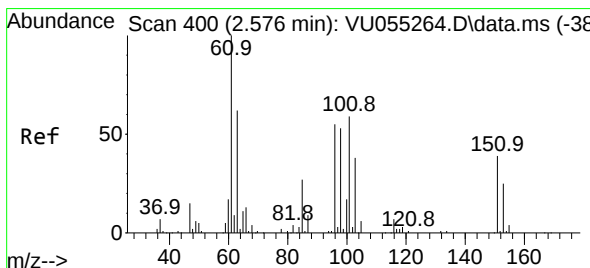
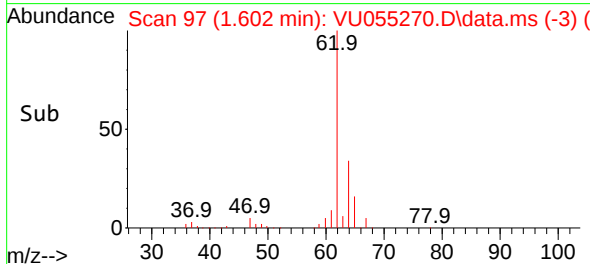
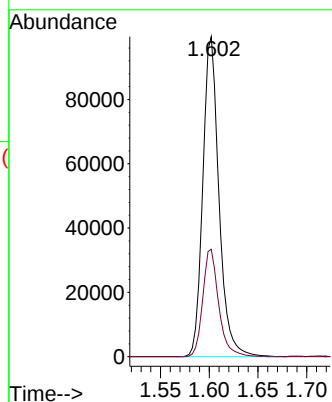
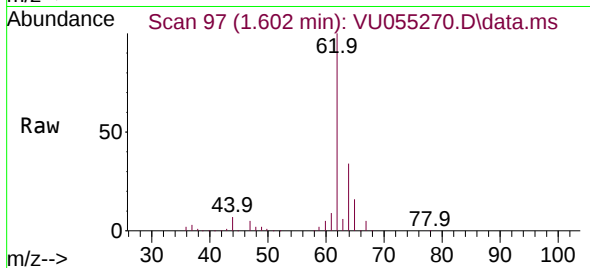




#5
 Vinyl chloride
 Concen: 10.279 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU055270.D
 Acq: 13 Sep 2023 04:15

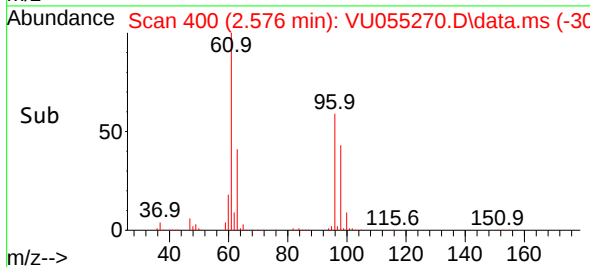
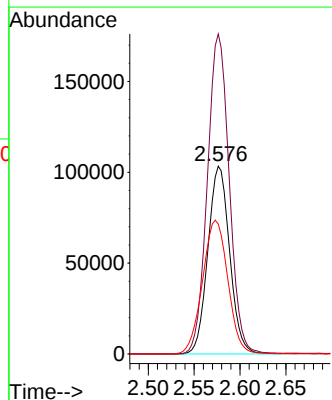
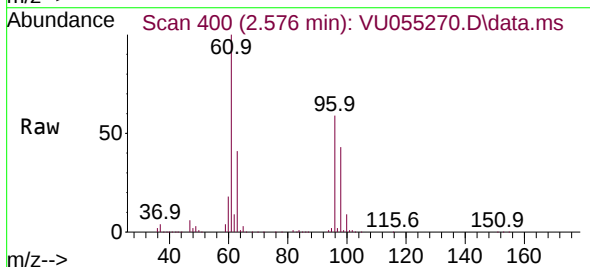
Instrument :
 MSVOA_U
 ClientSampleId :
 BH4N2

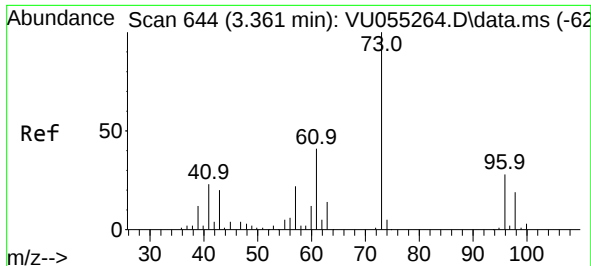
Tgt Ion: 62 Resp: 114728
 Ion Ratio Lower Upper
 62 100
 64 33.6 24.2 45.0



#12
 1,1-Dichloroethene
 Concen: 20.638 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055270.D
 Acq: 13 Sep 2023 04:15

Tgt Ion: 96 Resp: 170646
 Ion Ratio Lower Upper
 96 100
 61 170.4 120.8 224.4
 63 69.2 94.5 175.5#

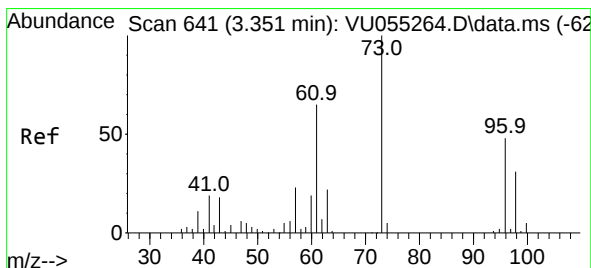
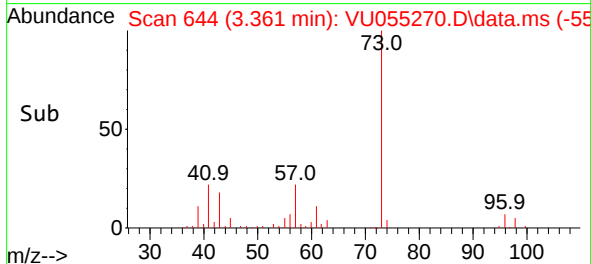
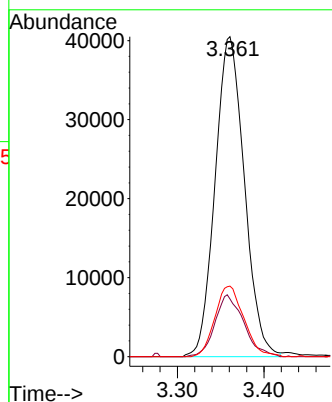
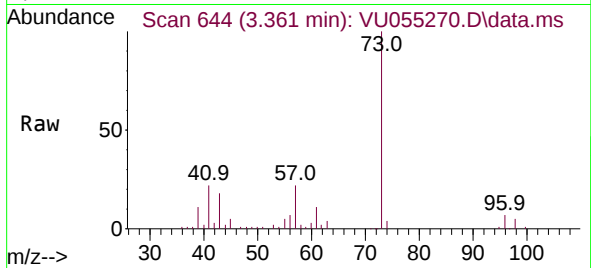




#17
Methyl tert-butyl Ether
Concen: 4.379 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU055270.D
Acq: 13 Sep 2023 04:15

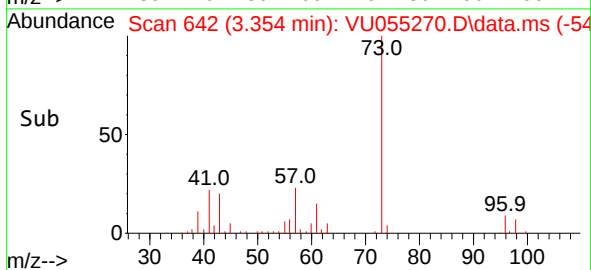
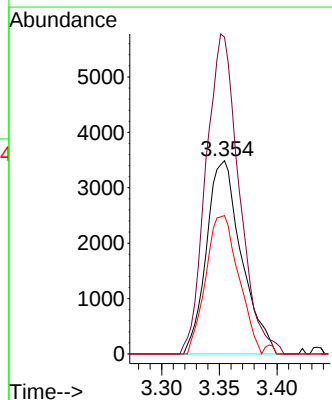
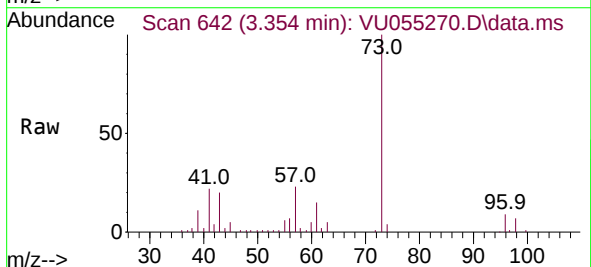
Instrument :
MSVOA_U
ClientSampleId :
BH4N2

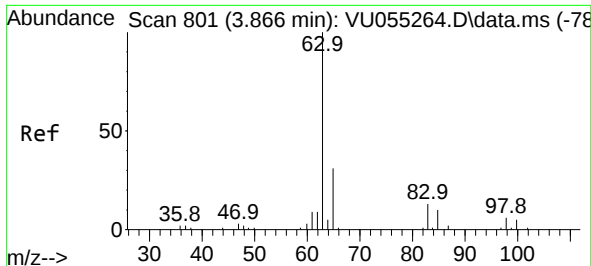
Tgt Ion: 73 Resp: 94966
Ion Ratio Lower Upper
73 100
43 19.1 16.2 24.2
57 21.9 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 0.875 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055270.D
Acq: 13 Sep 2023 04:15

Tgt Ion: 96 Resp: 7339
Ion Ratio Lower Upper
96 100
61 153.2 108.1 200.9
98 66.9 45.4 84.4





#19

1,1-Dichloroethane

Concen: 3.999 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU055270.D

Acq: 13 Sep 2023 04:15

Instrument :

MSVOA_U

ClientSampleId :

BH4N2

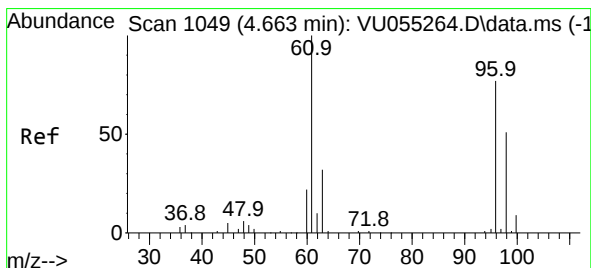
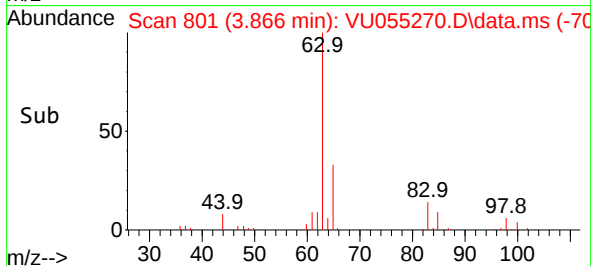
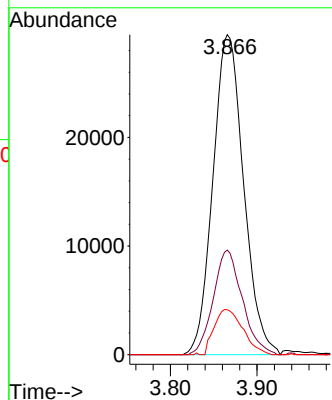
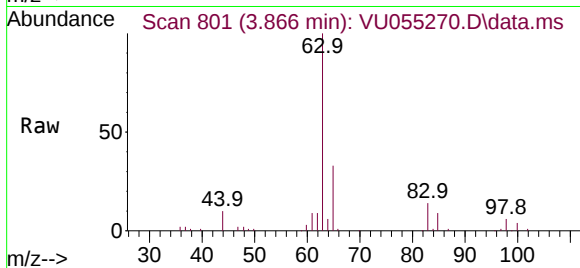
Tgt Ion: 63 Resp: 72507

Ion Ratio Lower Upper

63 100

65 33.3 22.2 41.2

83 14.0 10.6 19.8



#22

cis-1,2-Dichloroethene

Concen: 675.786 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055270.D

Acq: 13 Sep 2023 04:15

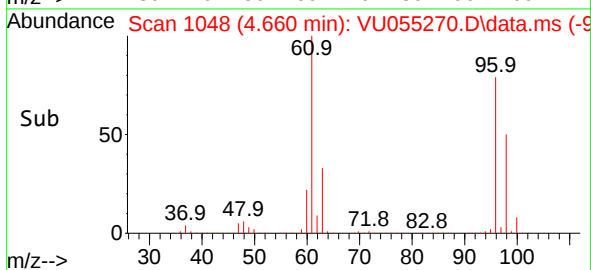
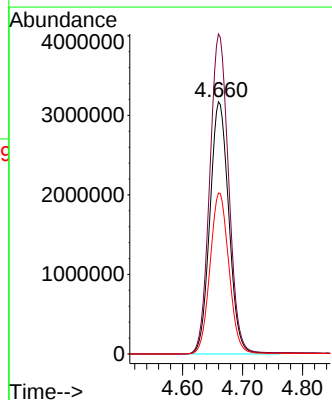
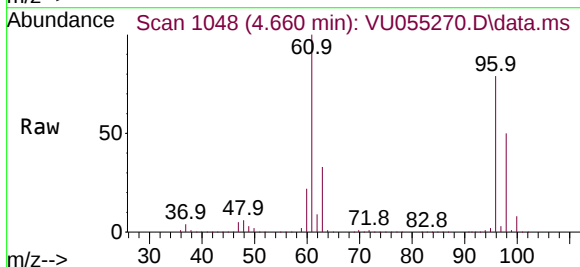
Tgt Ion: 96 Resp: 6939633

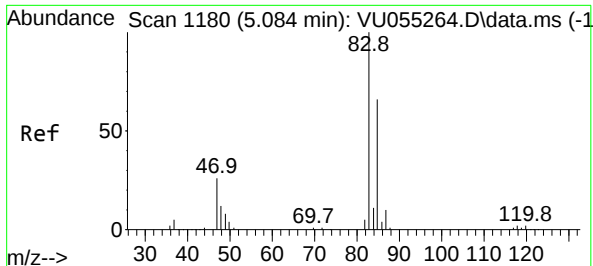
Ion Ratio Lower Upper

96 100

61 126.9 97.2 180.4

98 63.8 46.1 85.7





#25

Chloroform

Concen: 2.946 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055270.D

Acq: 13 Sep 2023 04:15

Instrument :

MSVOA_U

ClientSampleId :

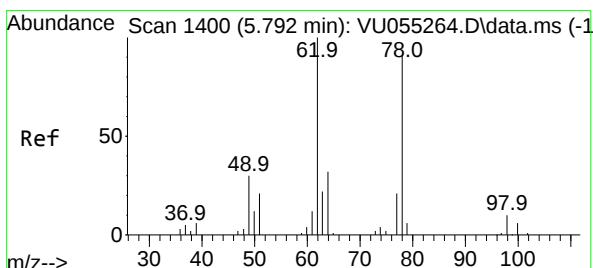
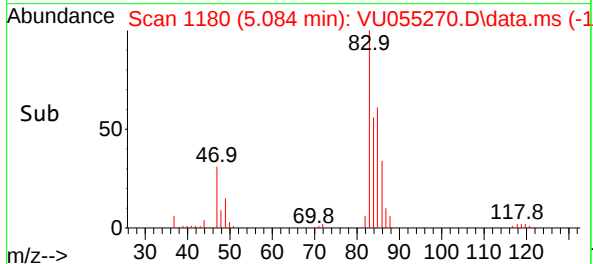
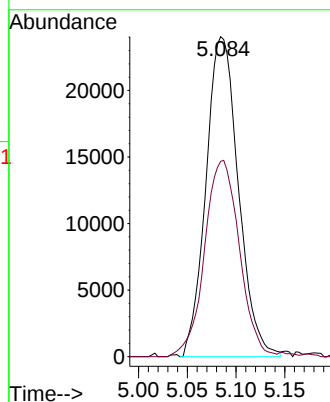
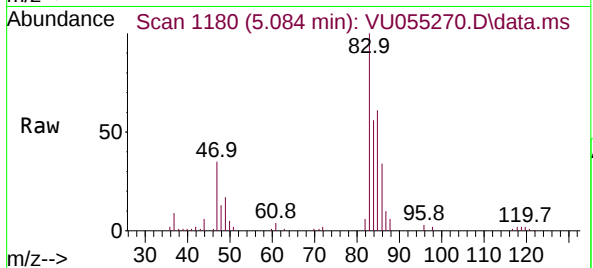
BH4N2

Tgt Ion: 83 Resp: 55633

Ion Ratio Lower Upper

83 100

85 61.1 47.2 87.6



#27

1,2-Dichloroethane

Concen: 1.589 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.003 min

Lab File: VU055270.D

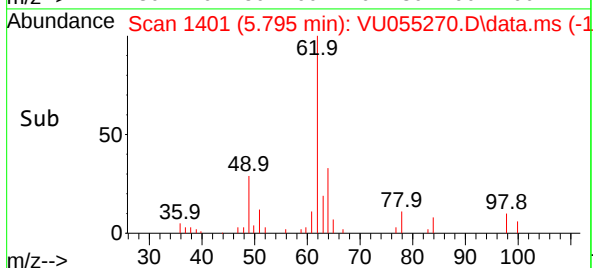
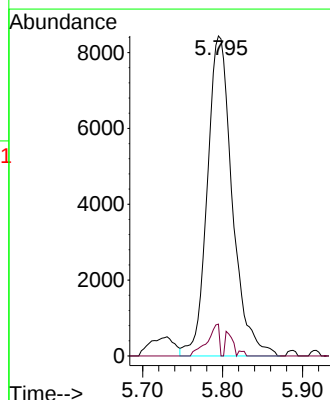
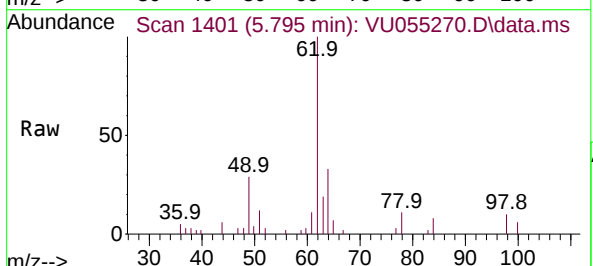
Acq: 13 Sep 2023 04:15

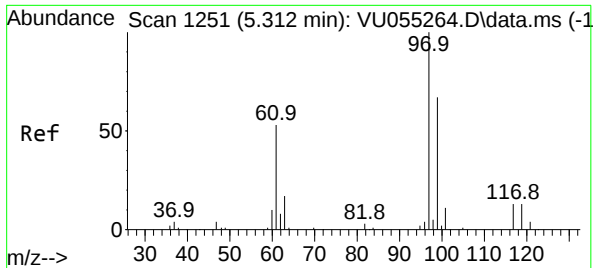
Tgt Ion: 62 Resp: 18313

Ion Ratio Lower Upper

62 100

98 10.0 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 0.986 ug/L

RT: 5.316 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU055270.D

Acq: 13 Sep 2023 04:15

Instrument :

MSVOA_U

ClientSampleId :

BH4N2

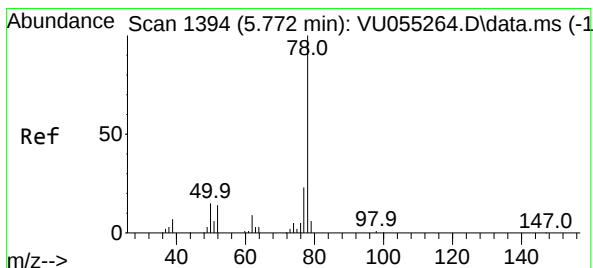
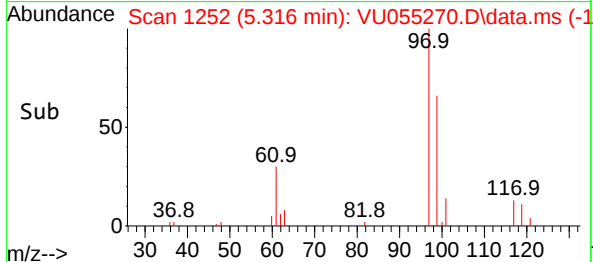
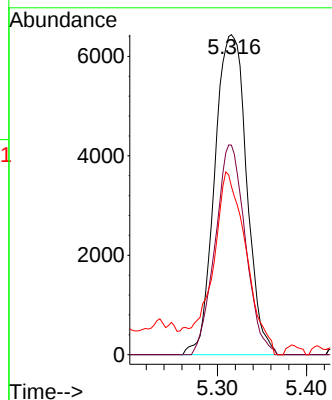
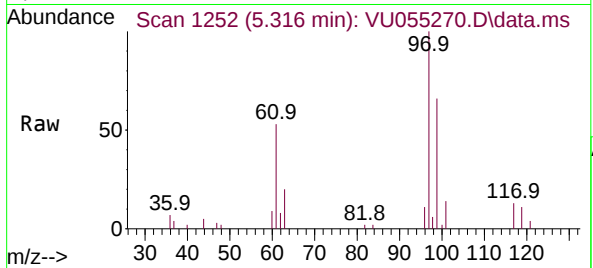
Tgt Ion: 97 Resp: 16025

Ion Ratio Lower Upper

97 100

99 61.9 51.8 77.8

61 61.9 36.8 55.2#



#33

Benzene

Concen: 0.146 ug/L

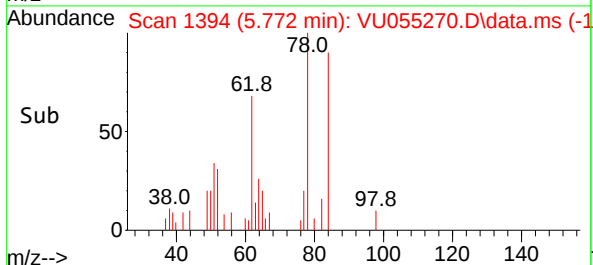
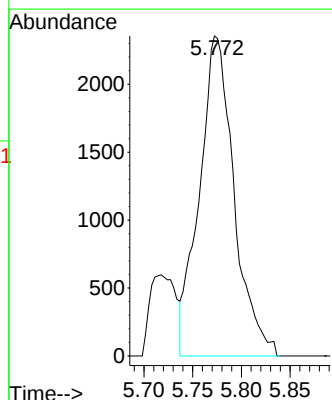
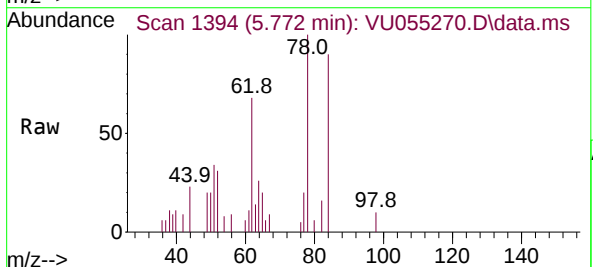
RT: 5.772 min Scan# 1394

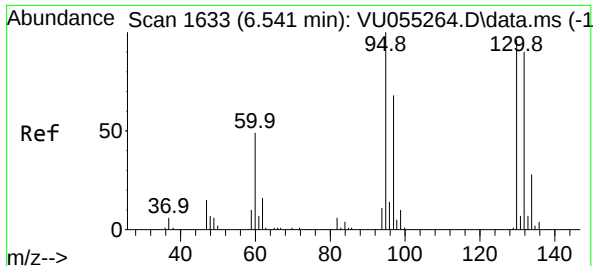
Delta R.T. 0.000 min

Lab File: VU055270.D

Acq: 13 Sep 2023 04:15

Tgt Ion: 78 Resp: 5824





#34

Trichloroethene

Concen: 258.990 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055270.D

Acq: 13 Sep 2023 04:15

Instrument :

MSVOA_U

ClientSampleId :

BH4N2

Tgt Ion: 95 Resp: 2879494

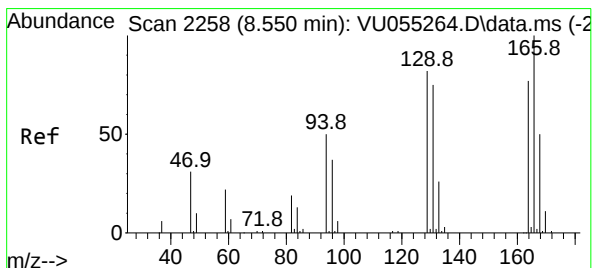
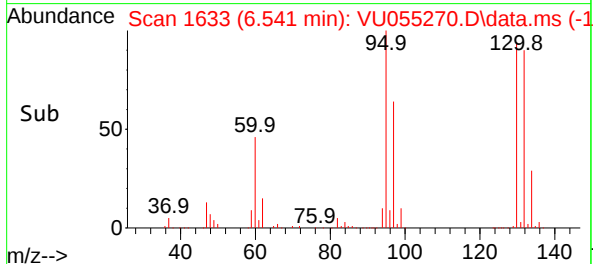
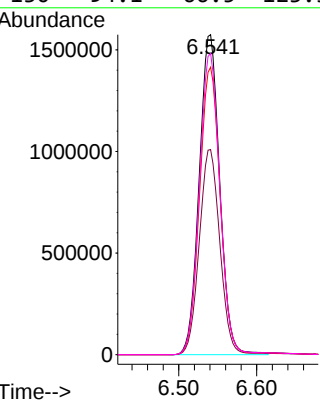
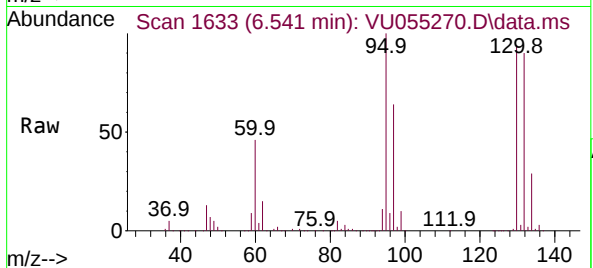
Ion Ratio Lower Upper

95 100

97 64.1 44.7 83.1

132 89.9 66.6 123.6

130 94.1 66.5 123.5



#47

Tetrachloroethene

Concen: 3.046 ug/L

RT: 8.553 min Scan# 2259

Delta R.T. 0.003 min

Lab File: VU055270.D

Acq: 13 Sep 2023 04:15

Tgt Ion:164 Resp: 23409

Ion Ratio Lower Upper

164 100

129 93.5 69.2 128.6

131 89.1 68.8 127.8

166 129.6 92.3 171.5

