

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055266.D
 Acq On : 13 Sep 2023 02:37
 Operator : MD/SY
 Sample : 04350-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4M8

Quant Time: Sep 13 05:35:57 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)

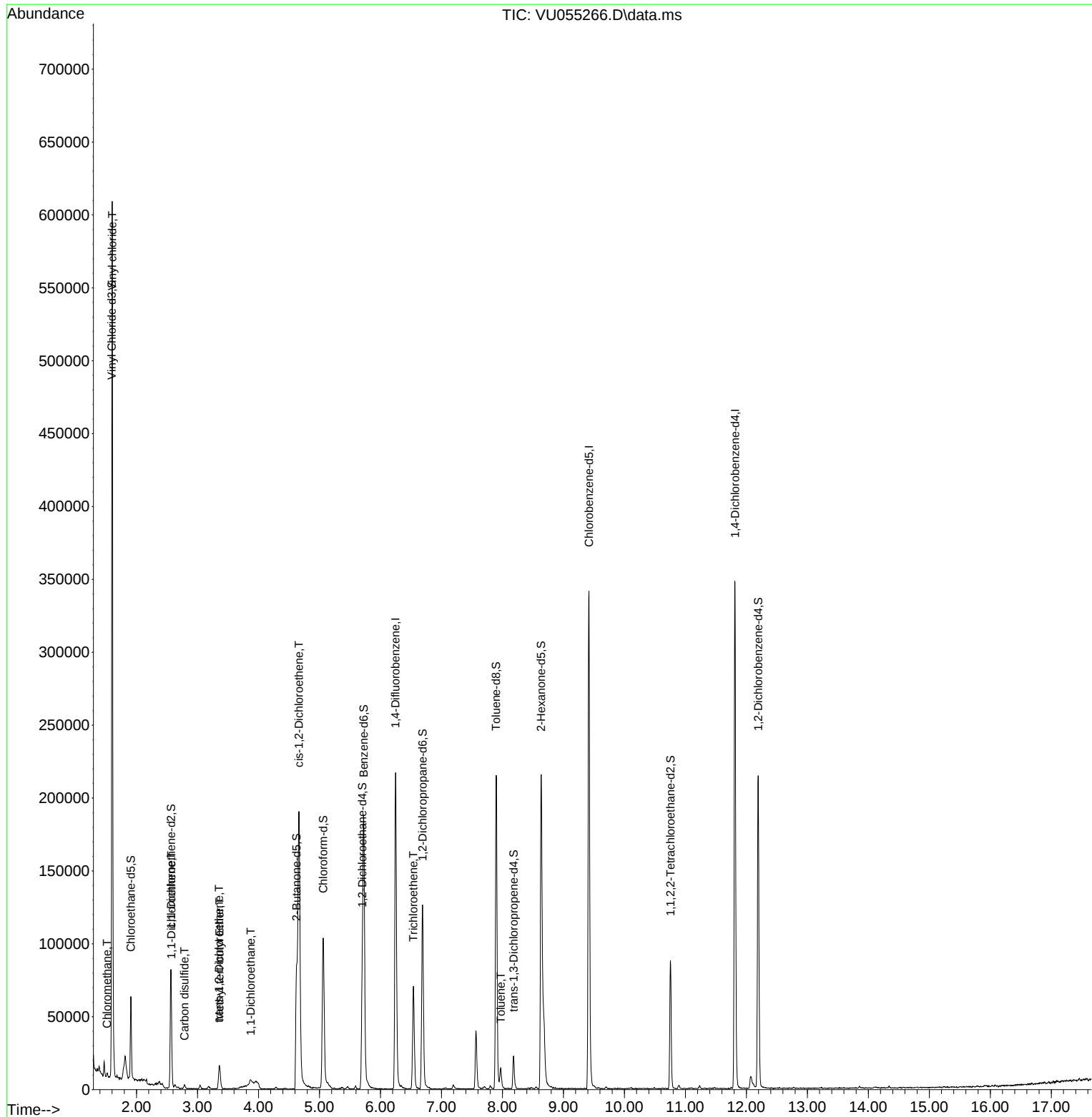
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	178336	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	193394	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	88949	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	28237	3.378	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.600%
7) Chloroethane-d5	1.907	69	39864	4.120	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.400%
11) 1,1-Dichloroethene-d2	2.566	65	14702	3.087	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.800%
20) 2-Butanone-d5	4.624	46	123018	50.718	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.440%
24) Chloroform-d	5.062	84	95681	4.314	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	5.701	65	51196	4.614	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.727	84	175153	3.669	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.400%
36) 1,2-Dichloropropane-d6	6.692	67	61997	4.083	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.600%
41) Toluene-d8	7.897	98	149459	3.399	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.000%#
43) trans-1,3-Dichloroprop...	8.184	79	14350	3.432	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.600%
46) 2-Hexanone-d5	8.634	63	65770	38.744	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.480%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	44457	4.163	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	53541	4.124	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	2236	0.212	ug/L	92
5) Vinyl chloride	1.602	62	398061	35.765	ug/L	96
12) 1,1-Dichloroethene	2.573	96	2212	0.268	ug/L #	1
14) Carbon disulfide	2.788	76	2877	0.142	ug/L #	89
17) Methyl tert-butyl Ether	3.361	73	12877	0.596	ug/L	98
18) trans-1,2-Dichloroethene	3.354	96	2003	0.239	ug/L #	89
19) 1,1-Dichloroethane	3.872	63	4664	0.258	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	93334	9.115	ug/L	93
34) Trichloroethene	6.541	95	22425	1.960	ug/L	97
42) Toluene	7.971	91	10312	0.235	ug/L	97

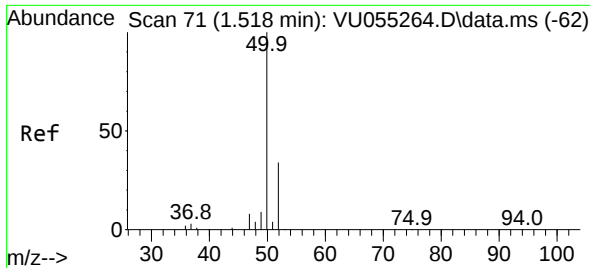
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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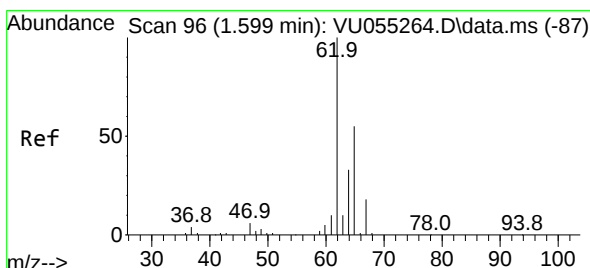
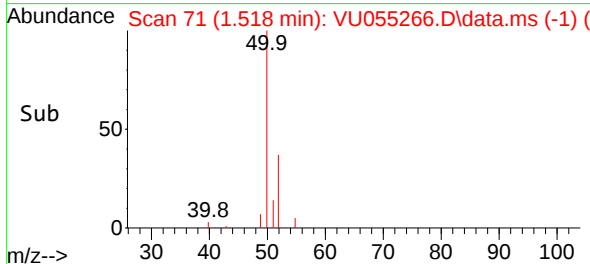
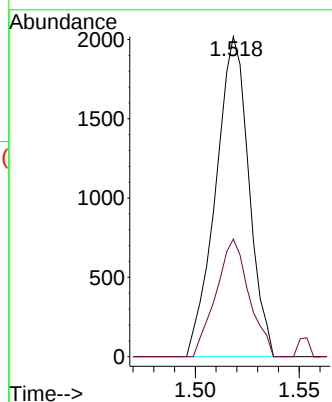
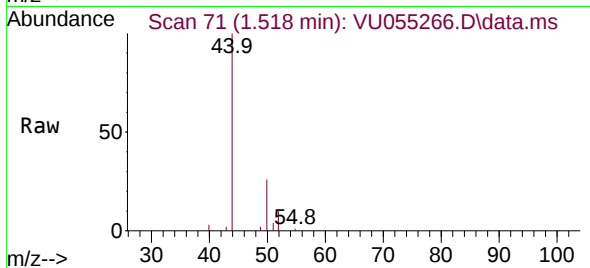




#3
Chloromethane
Concen: 0.212 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU055266.D
Acq: 13 Sep 2023 02:37

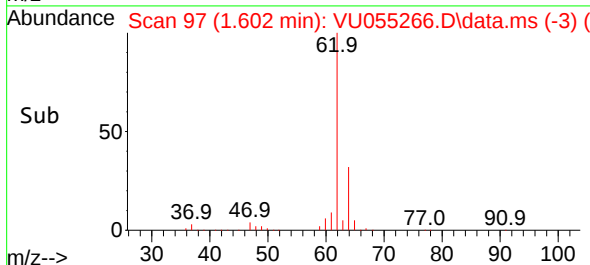
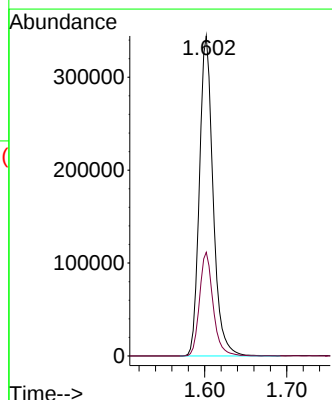
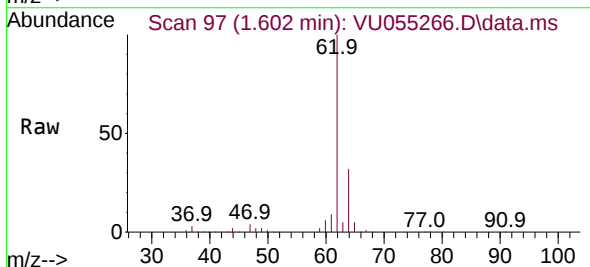
Instrument :
MSVOA_U
ClientSampleId :
BH4M8

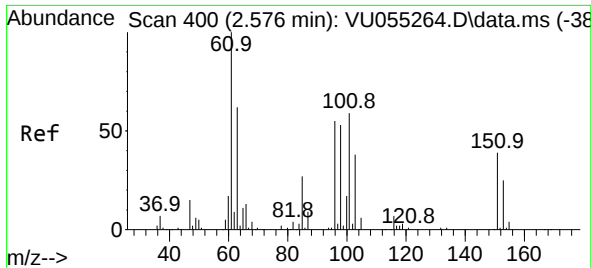
Tgt Ion: 50 Resp: 2236
Ion Ratio Lower Upper
50 100
52 36.7 22.5 41.7



#5
Vinyl chloride
Concen: 35.765 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.003 min
Lab File: VU055266.D
Acq: 13 Sep 2023 02:37

Tgt Ion: 62 Resp: 398061
Ion Ratio Lower Upper
62 100
64 32.4 24.2 45.0

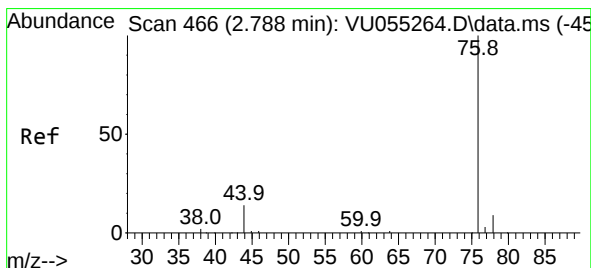
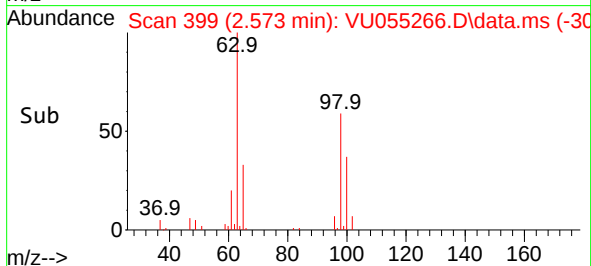
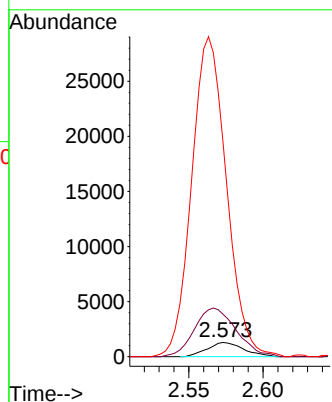
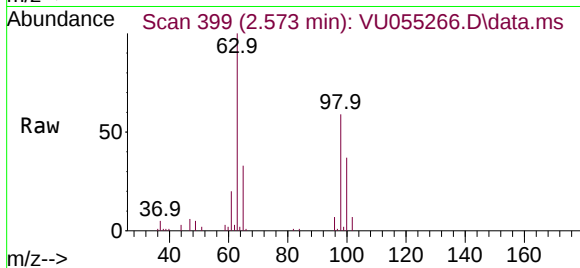




#12
1,1-Dichloroethene
Concen: 0.268 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU055266.D
Acq: 13 Sep 2023 02:37

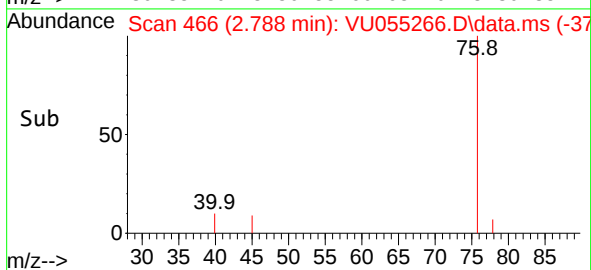
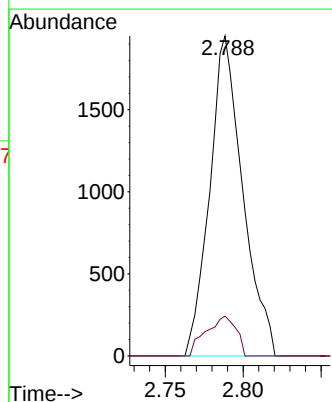
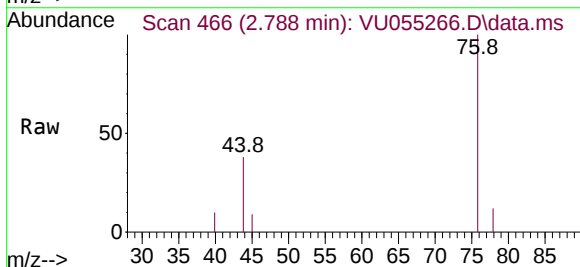
Instrument :
MSVOA_U
ClientSampleId :
BH4M8

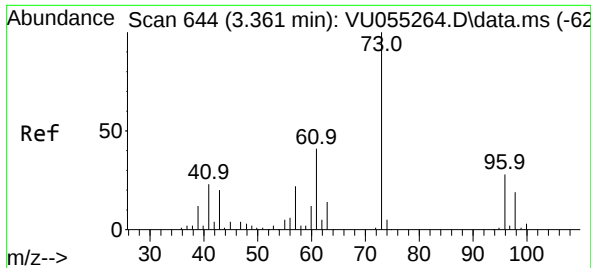
Tgt Ion: 96 Resp: 2212
Ion Ratio Lower Upper
96 100
61 297.5 120.8 224.4#
63 1504.6 94.5 175.5#



#14
Carbon disulfide
Concen: 0.142 ug/L
RT: 2.788 min Scan# 466
Delta R.T. -0.000 min
Lab File: VU055266.D
Acq: 13 Sep 2023 02:37

Tgt Ion: 76 Resp: 2877
Ion Ratio Lower Upper
76 100
78 12.4 6.8 10.2#

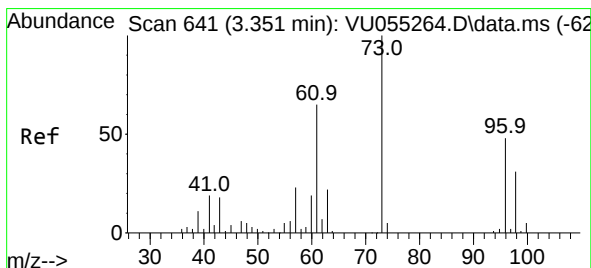
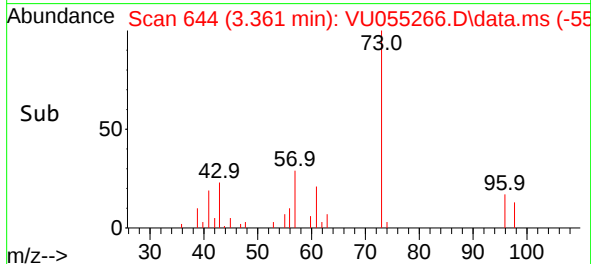
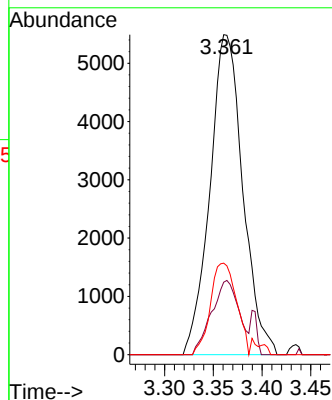
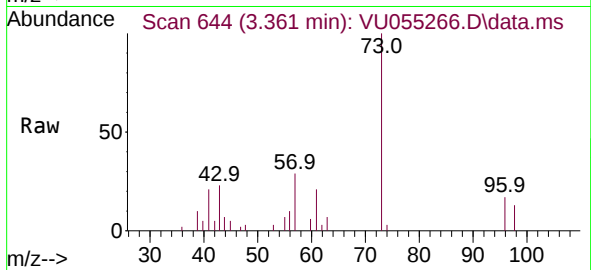




#17
Methyl tert-butyl Ether
Concen: 0.596 ug/L
RT: 3.361 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055266.D
Acq: 13 Sep 2023 02:37

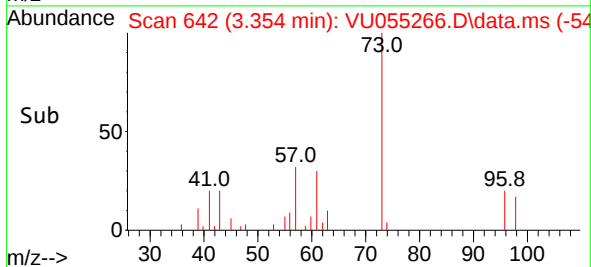
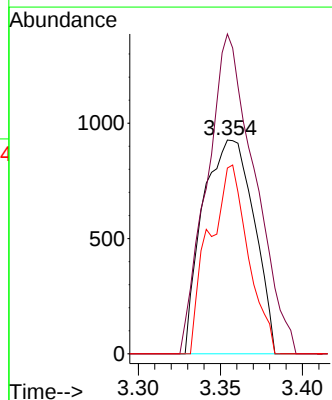
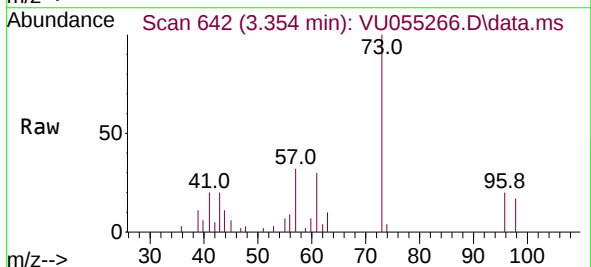
Instrument :
MSVOA_U
ClientSampleId :
BH4M8

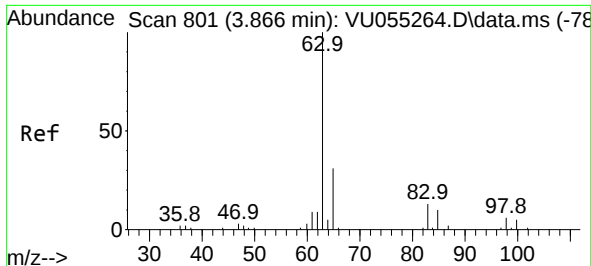
Tgt Ion:	73	Resp:	12877
Ion	Ratio	Lower	Upper
73	100		
43	19.5	16.2	24.2
57	22.6	17.4	26.2



#18
trans-1,2-Dichloroethene
Concen: 0.239 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055266.D
Acq: 13 Sep 2023 02:37

Tgt Ion:	96	Resp:	2003
Ion	Ratio	Lower	Upper
96	100		
61	149.6	108.1	200.9
98	86.9	45.4	84.4





#19

1,1-Dichloroethane

Concen: 0.258 ug/L

RT: 3.872 min Scan# 801

Delta R.T. 0.006 min

Lab File: VU055266.D

Acq: 13 Sep 2023 02:37

Instrument :

MSVOA_U

ClientSampleId :

BH4M8

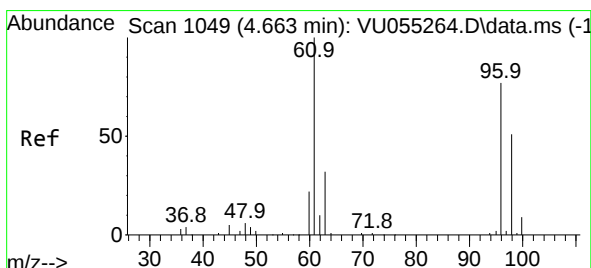
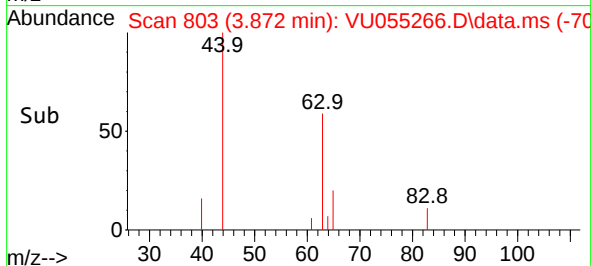
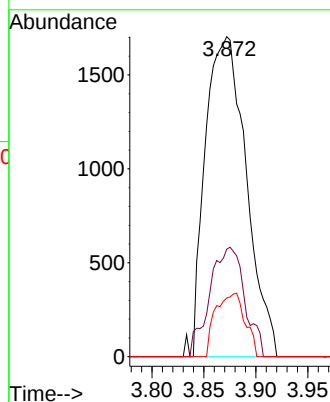
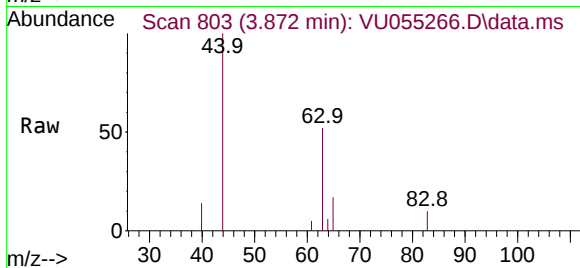
Tgt Ion: 63 Resp: 4664

Ion Ratio Lower Upper

63 100

65 33.6 22.2 41.2

83 18.4 10.6 19.8



#22

cis-1,2-Dichloroethene

Concen: 9.115 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055266.D

Acq: 13 Sep 2023 02:37

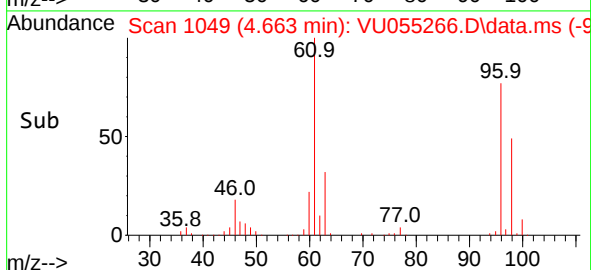
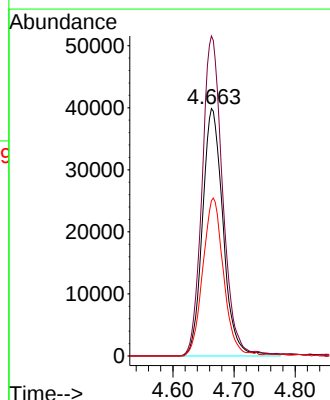
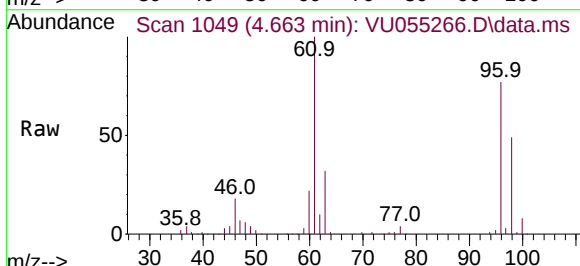
Tgt Ion: 96 Resp: 93334

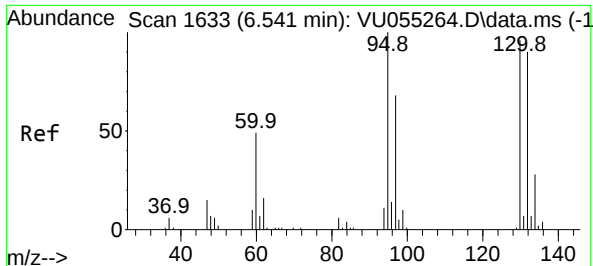
Ion Ratio Lower Upper

96 100

61 129.4 97.2 180.4

98 62.8 46.1 85.7





#34

Trichloroethene

Concen: 1.960 ug/L

RT: 6.541 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055266.D

Acq: 13 Sep 2023 02:37

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 95 Resp: 22425

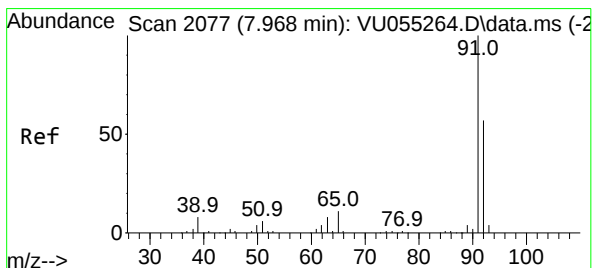
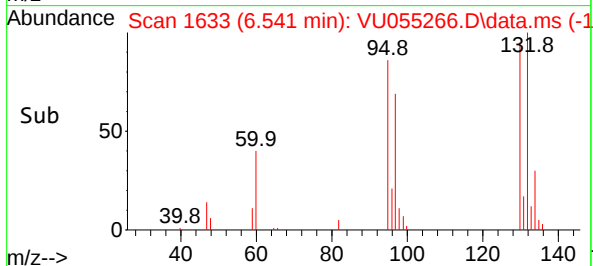
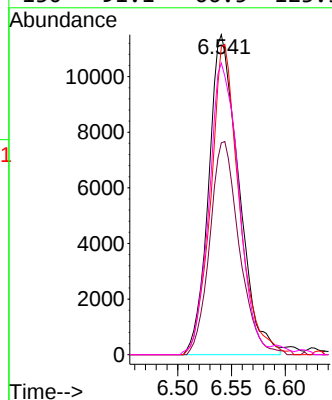
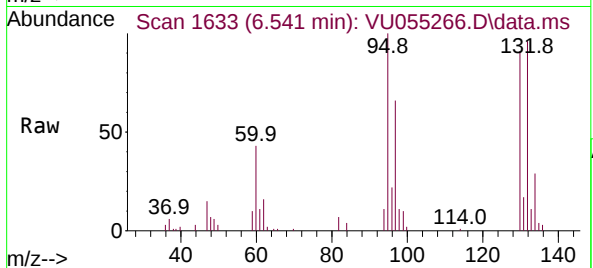
Ion Ratio Lower Upper

95 100

97 66.2 44.7 83.1

132 96.1 66.6 123.6

130 91.1 66.5 123.5



#42

Toluene

Concen: 0.235 ug/L

RT: 7.971 min Scan# 2078

Delta R.T. 0.003 min

Lab File: VU055266.D

Acq: 13 Sep 2023 02:37

Tgt Ion: 91 Resp: 10312

Ion Ratio Lower Upper

91 100

92 62.3 41.9 77.9

