

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092223\
 Data File : VU055468.D
 Acq On : 22 Sep 2023 18:39
 Operator : MD/SY
 Sample : 04579-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 25 01:13:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Sep 25 01:08:17 2023
 Response via : Initial Calibration

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

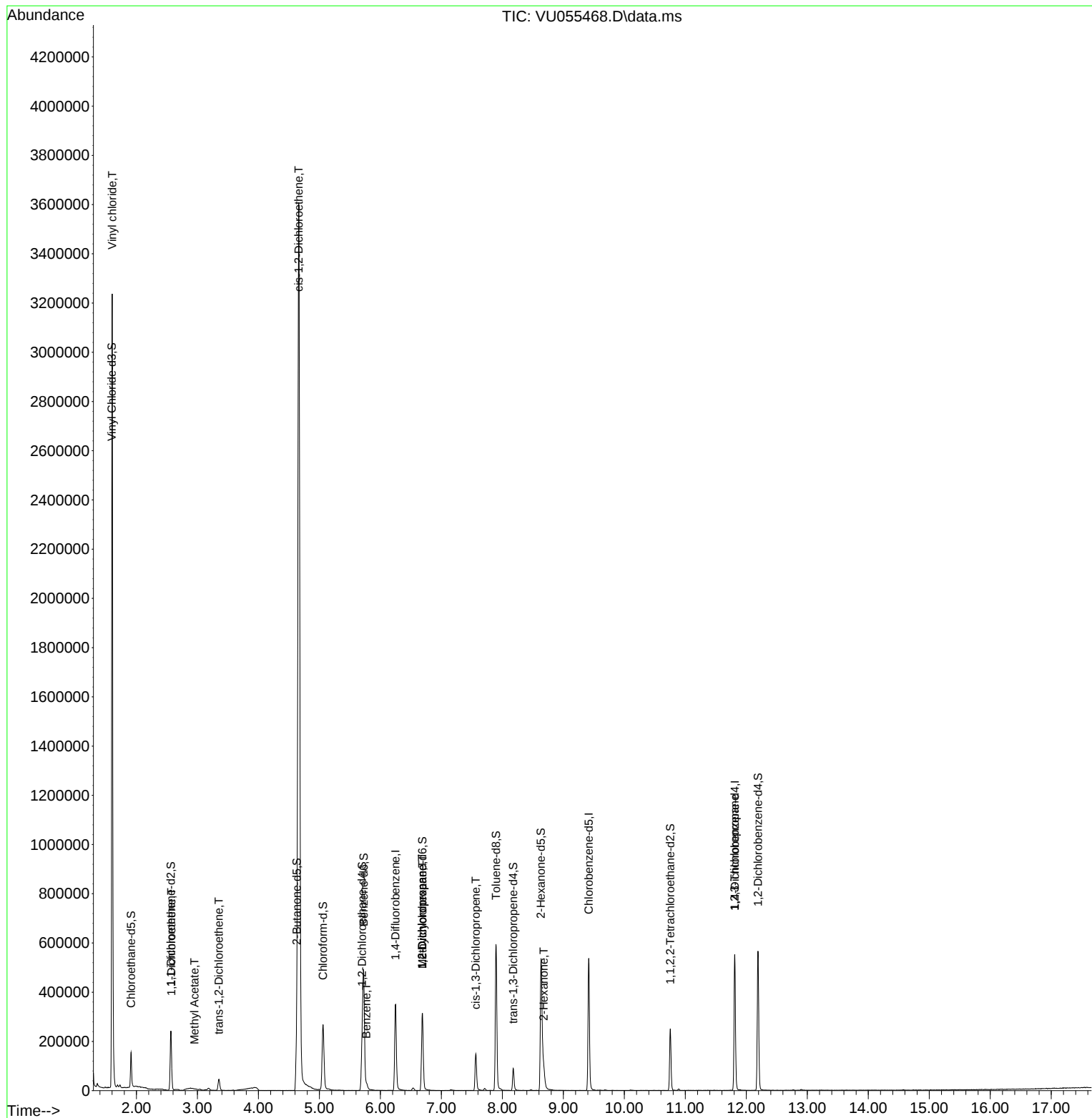
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	289861	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	302602	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	148775	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	118300	4.038	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.800%
7) Chloroethane-d5	1.911	69	100468	3.891	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.800%
11) 1,1-Dichloroethene-d2	2.563	65	45074	3.738	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.800%
20) 2-Butanone-d5	4.628	46	313693	59.282	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.560%
24) Chloroform-d	5.059	84	254576	4.804	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	5.698	65	134356	5.271	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
32) Benzene-d6	5.724	84	480830	4.543	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	6.689	67	154095	4.873	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.894	98	407582	4.225	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	8.177	79	53566	4.827	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.600%
46) 2-Hexanone-d5	8.631	63	166048	49.189	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.380%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	124370	5.248	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	152069	5.064	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	2173113	81.137	ug/L	99
12) 1,1-Dichloroethene	2.570	96	2524	0.125	ug/L #	1
15) Methyl Acetate	2.949	43	1799	0.262	ug/L #	47
18) trans-1,2-Dichloroethene	3.351	96	19903	0.974	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	1906067	80.484	ug/L	99
33) Benzene	5.772	78	20516	0.236	ug/L	100
35) Methylcyclohexane	6.689	83	37546	1.058	ug/L #	20
37) 1,2-Dichloropropane	6.685	63	16813	0.738	ug/L #	89
39) cis-1,3-Dichloropropene	7.563	75	4151	0.137	ug/L	86
48) 2-Hexanone	8.679	43	43522	5.435	ug/L #	84
61) 1,2,3-Trichloropropane	11.807	75	18247	1.571	ug/L #	67

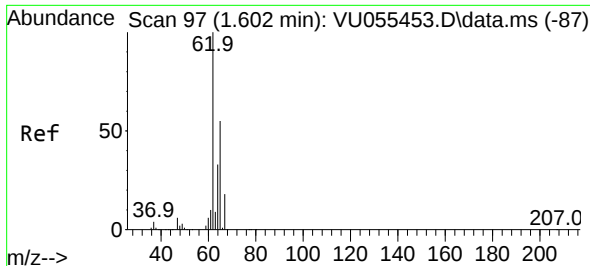
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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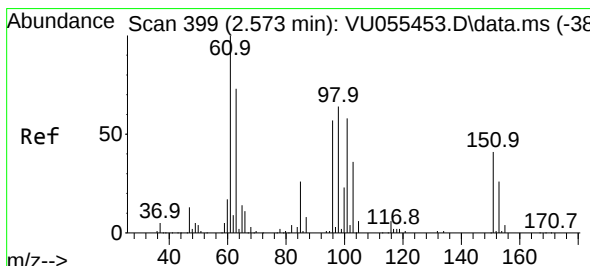
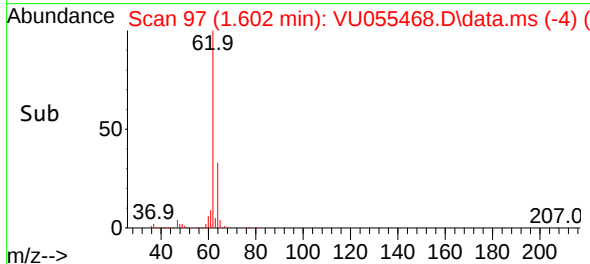
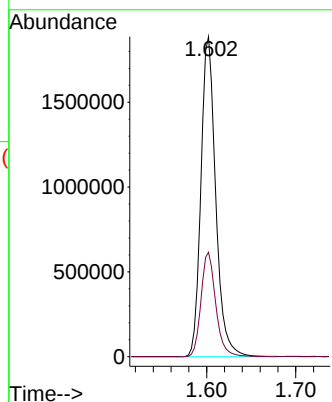
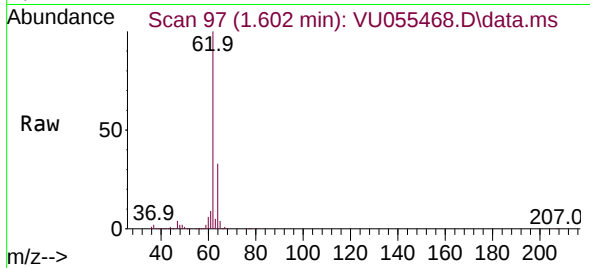




#5
 Vinyl chloride
 Concen: 81.137 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055468.D
 Acq: 22 Sep 2023 18:39

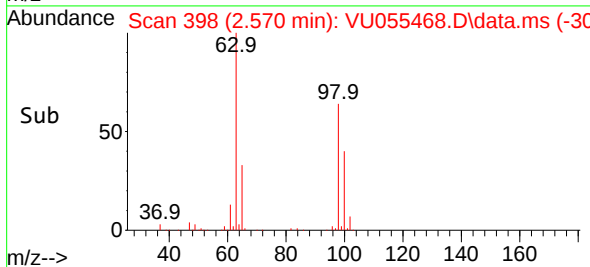
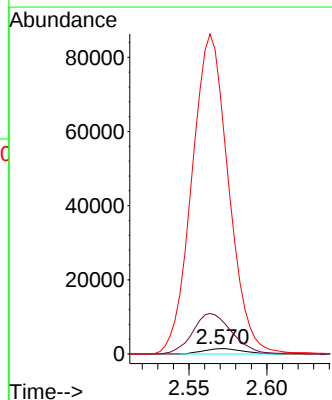
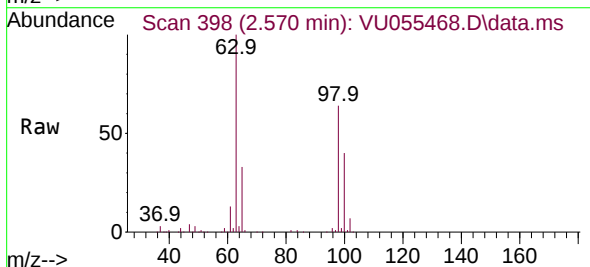
Instrument :
 MSVOA_U
 ClientSampleId :

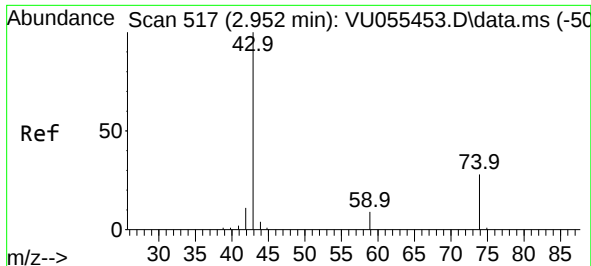
Tgt Ion: 62 Resp: 2173113
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 0.125 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.003 min
 Lab File: VU055468.D
 Acq: 22 Sep 2023 18:39

Tgt Ion: 96 Resp: 2524
 Ion Ratio Lower Upper
 96 100
 61 658.0 114.5 212.7#
 63 4883.4 98.3 182.5#

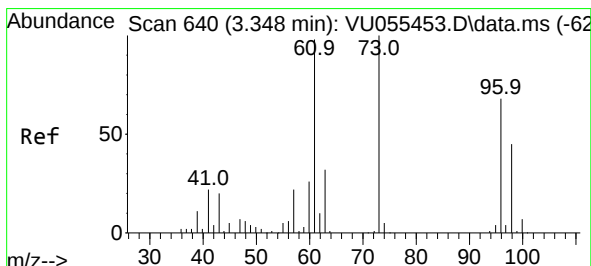
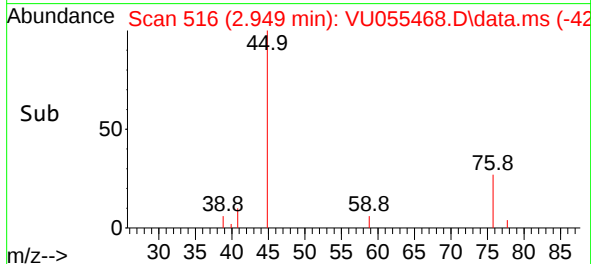
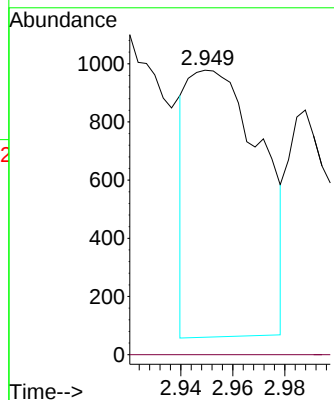
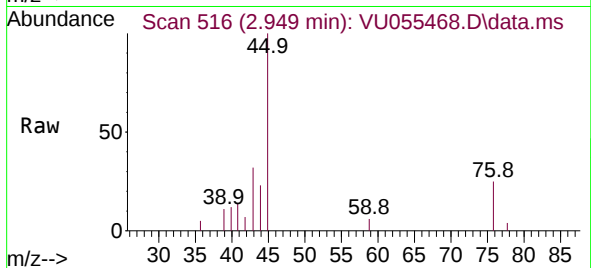




#15
Methyl Acetate
Concen: 0.262 ug/L
RT: 2.949 min Scan# 517
Delta R.T. -0.003 min
Lab File: VU055468.D
Acq: 22 Sep 2023 18:39

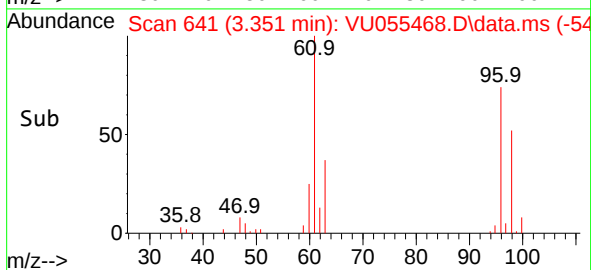
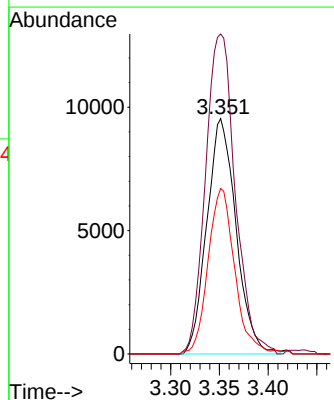
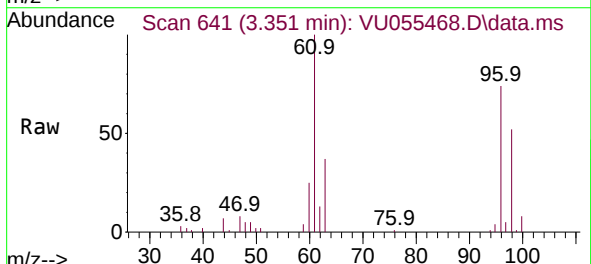
Instrument :
MSVOA_U
ClientSampleId :

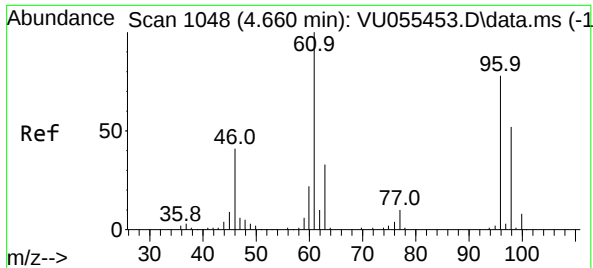
Tgt Ion: 43 Resp: 1799
Ion Ratio Lower Upper
43 100
74 0.0 22.3 33.5#



#18
trans-1,2-Dichloroethene
Concen: 0.974 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055468.D
Acq: 22 Sep 2023 18:39

Tgt Ion: 96 Resp: 19903
Ion Ratio Lower Upper
96 100
61 136.0 94.6 175.6
98 70.3 45.7 84.9



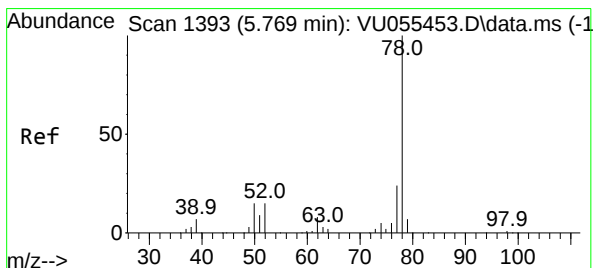
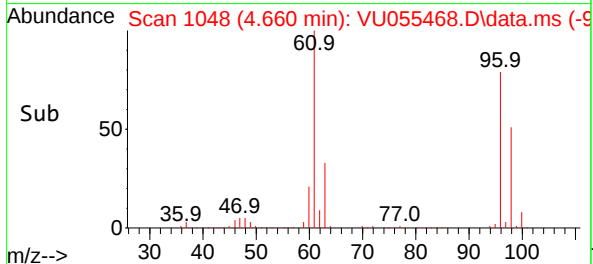
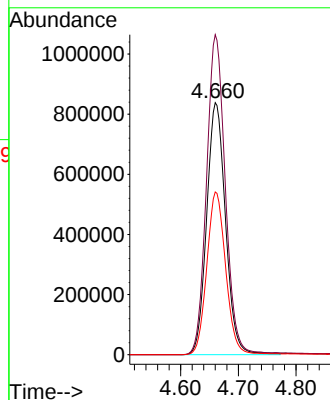
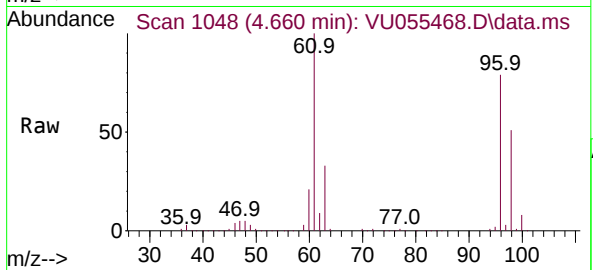


#22
 cis-1,2-Dichloroethene
 Concen: 80.484 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU055468.D
 Acq: 22 Sep 2023 18:39

Instrument :
 MSVOA_U
 ClientSampleId :

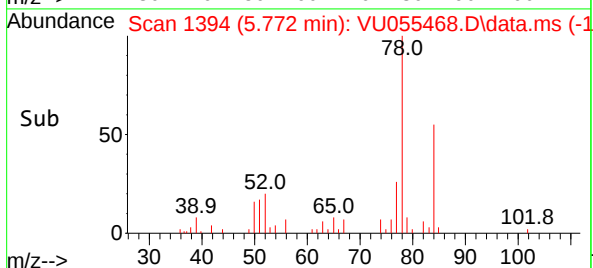
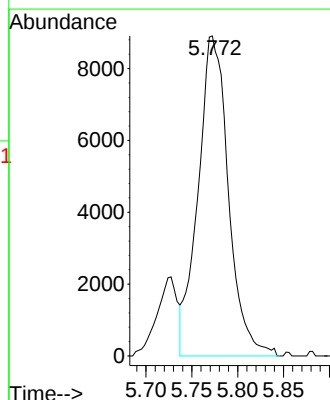
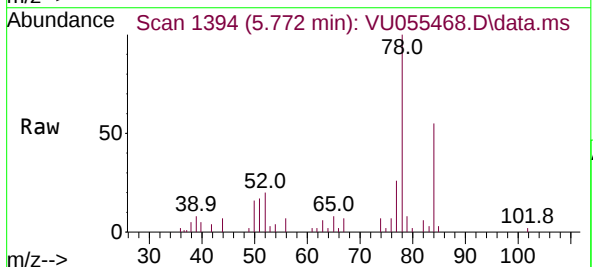
Tgt Ion: 96 Resp: 1906067

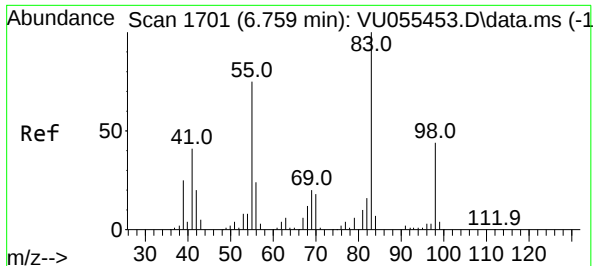
Ion	Ratio	Lower	Upper
96	100		
61	127.0	87.8	163.2
98	64.6	44.4	82.4



#33
 Benzene
 Concen: 0.236 ug/L
 RT: 5.772 min Scan# 1394
 Delta R.T. 0.003 min
 Lab File: VU055468.D
 Acq: 22 Sep 2023 18:39

Tgt Ion: 78 Resp: 20516





#35

Methylcyclohexane

Concen: 1.058 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU055468.D

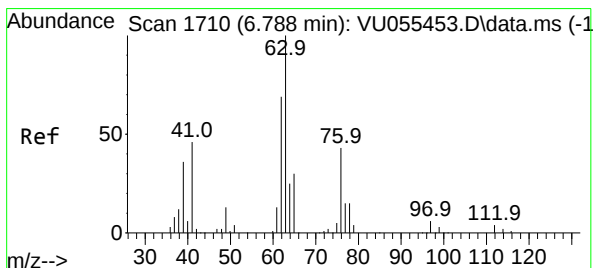
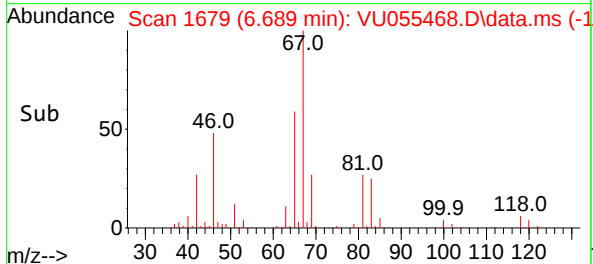
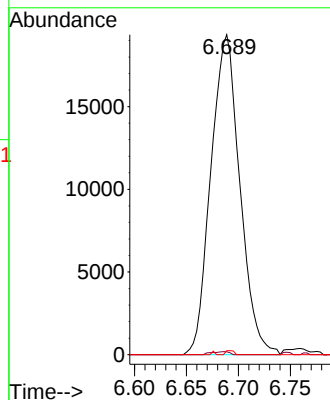
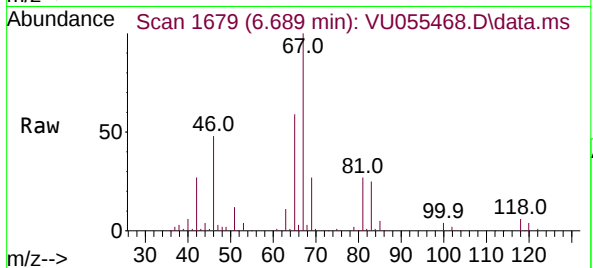
Acq: 22 Sep 2023 18:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 37546
Ion Ratio	Lower Upper
83	100
55	0.6 59.1 88.7#
98	0.4 36.3 54.5#



#37

1,2-Dichloropropane

Concen: 0.738 ug/L

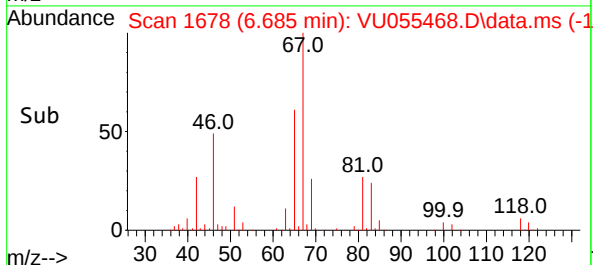
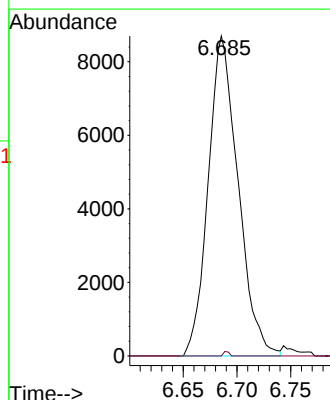
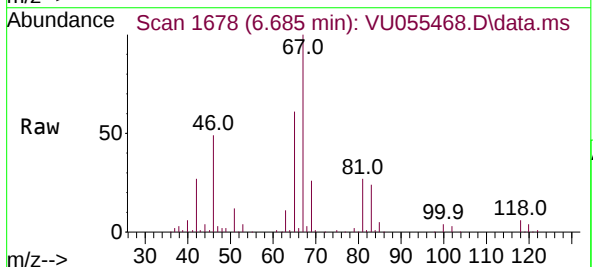
RT: 6.685 min Scan# 1678

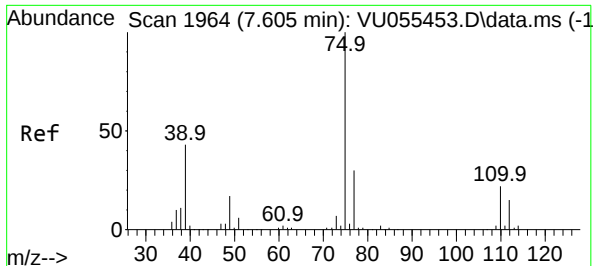
Delta R.T. -0.103 min

Lab File: VU055468.D

Acq: 22 Sep 2023 18:39

Tgt Ion: 63	Resp: 16813
Ion Ratio	Lower Upper
63	100
112	0.3 3.0 4.6#





#39

cis-1,3-Dichloropropene

Concen: 0.137 ug/L

RT: 7.563 min Scan# 1964

Delta R.T. -0.042 min

Lab File: VU055468.D

Acq: 22 Sep 2023 18:39

Instrument :

MSVOA_U

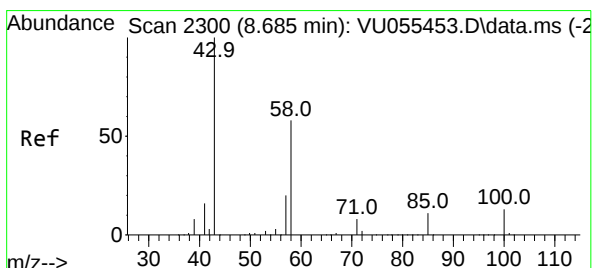
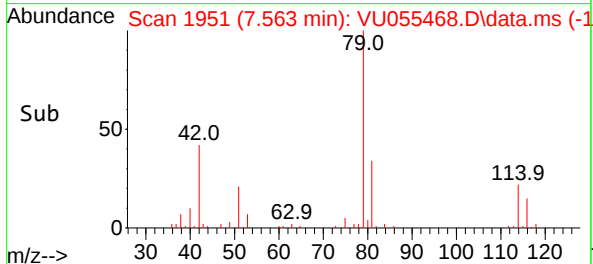
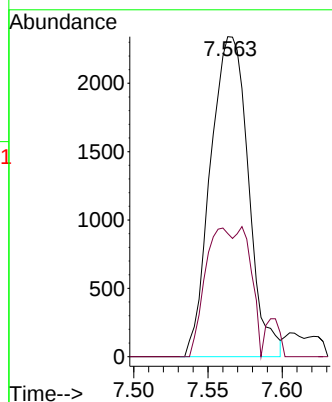
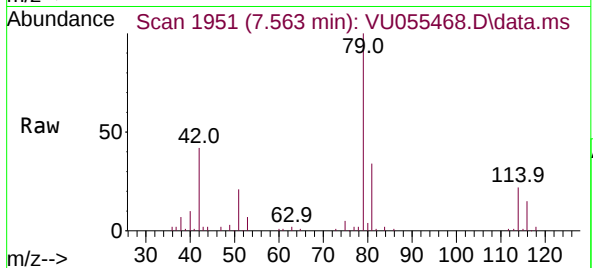
ClientSampleId :

Tgt Ion: 75 Resp: 4151

Ion Ratio Lower Upper

75 100

77 38.5 21.6 40.2



#48

2-Hexanone

Concen: 5.435 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. -0.006 min

Lab File: VU055468.D

Acq: 22 Sep 2023 18:39

Tgt Ion: 43 Resp: 43522

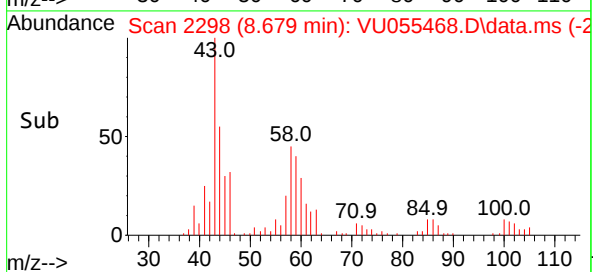
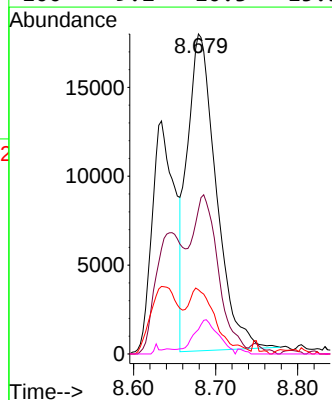
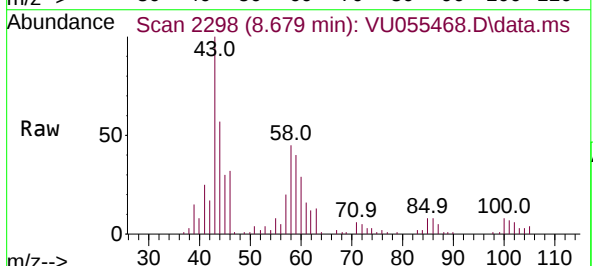
Ion Ratio Lower Upper

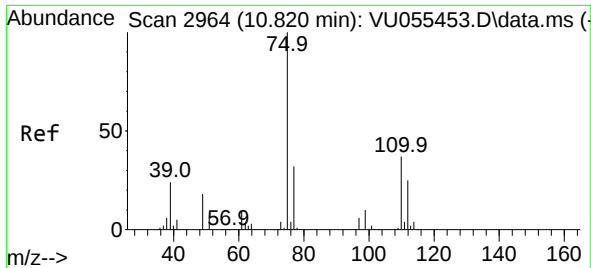
43 100

58 44.7 48.5 72.7#

57 19.3 17.0 25.4

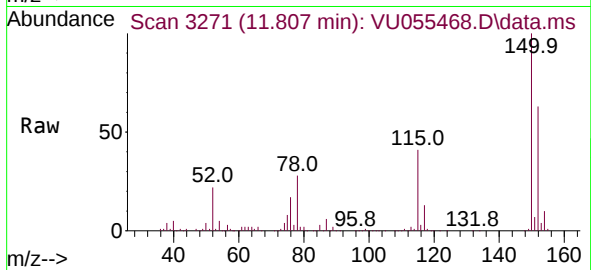
100 9.2 10.3 15.5#





#61
 1,2,3-Trichloropropane
 Concen: 1.571 ug/L
 RT: 11.807 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU055468.D
 Acq: 22 Sep 2023 18:39

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 18247
 Ion Ratio Lower Upper
 75 100
 110 2.0 30.6 45.8#
 77 34.3 26.7 40.1

