

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040824\
 Data File : VU058498.D
 Acq On : 09 Apr 2024 03:13
 Operator : MD/SY
 Sample : P2013-20
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 09 05:54:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 09 05:30:00 2024
 Response via : Initial Calibration

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

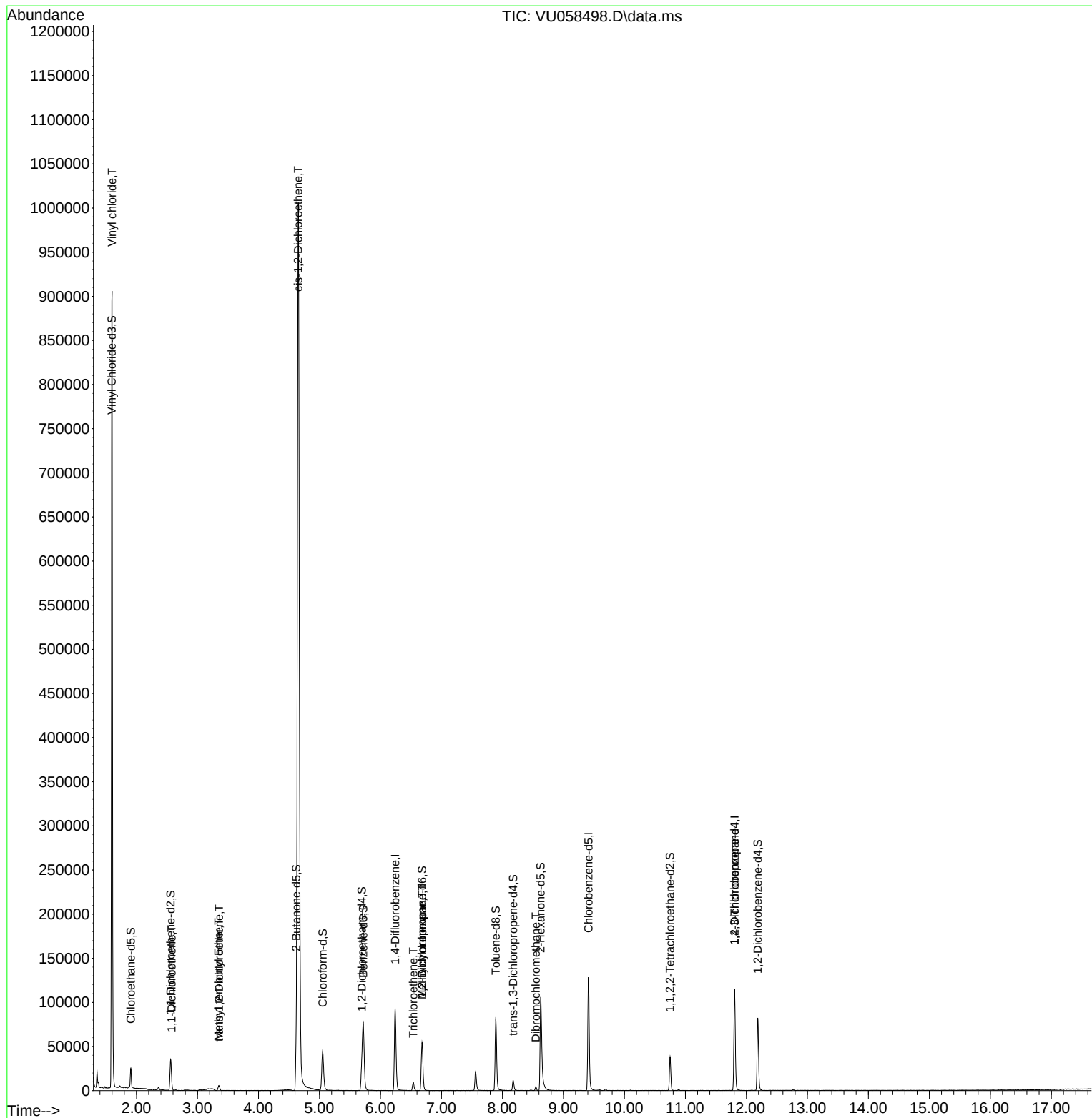
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	73448	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	69501	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	29644	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	18075	3.717	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.400%
7) Chloroethane-d5	1.907	69	14830	3.509	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.200%
11) 1,1-Dichloroethene-d2	2.560	65	6476	2.942	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.800%#
20) 2-Butanone-d5	4.621	46	52581	51.310	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.620%
24) Chloroform-d	5.052	84	40173	4.138	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
26) 1,2-Dichloroethane-d4	5.695	65	20241	4.468	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	5.718	84	69637	3.722	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.400%
36) 1,2-Dichloropropane-d6	6.682	67	25723	4.384	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.600%
41) Toluene-d8	7.891	98	53640	3.233	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.600%#
43) trans-1,3-Dichloroprop...	8.177	79	7154	3.928	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.600%
46) 2-Hexanone-d5	8.627	63	36558	48.660	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.320%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	19269	4.651	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	21492	4.305	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	600288	80.224	ug/L	99
12) 1,1-Dichloroethene	2.576	96	1499	0.288	ug/L #	1
17) Methyl tert-butyl Ether	3.348	73	1727	0.140	ug/L #	82
18) trans-1,2-Dichloroethene	3.354	96	1671	0.306	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	490885	80.126	ug/L	96
34) Trichloroethene	6.541	95	3282	0.517	ug/L	97
35) Methylcyclohexane	6.685	83	5473	0.572	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	2924	0.441	ug/L #	90
49) Dibromochloromethane	8.547	129	946	0.211	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	4156	1.374	ug/L #	70

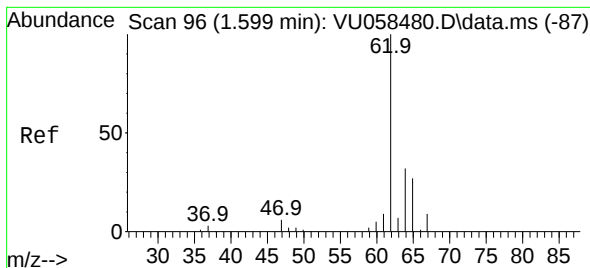
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 09 05:30:00 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 80.224 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU058498.D

Acq: 09 Apr 2024 03:13

Instrument :

MSVOA_U

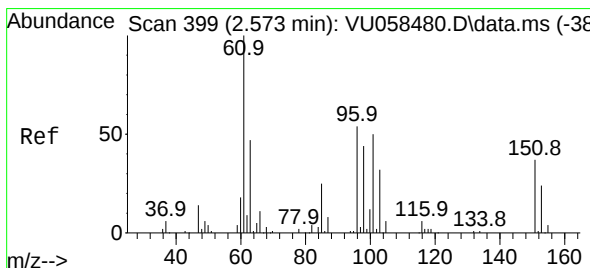
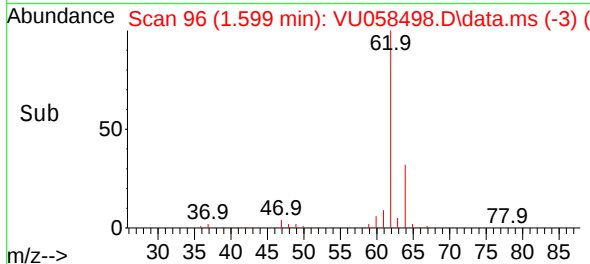
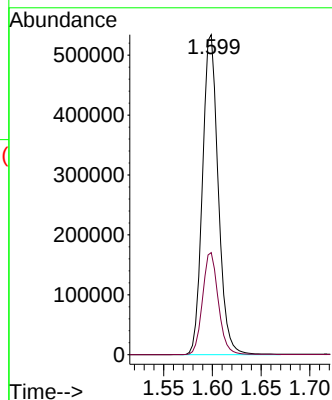
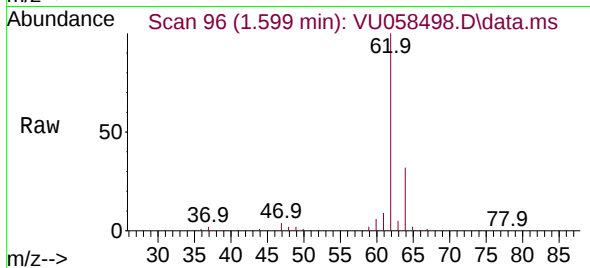
ClientSampleId :

Tgt Ion: 62 Resp: 600288

Ion Ratio Lower Upper

62 100

64 31.9 22.6 42.0



#12

1,1-Dichloroethene

Concen: 0.288 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU058498.D

Acq: 09 Apr 2024 03:13

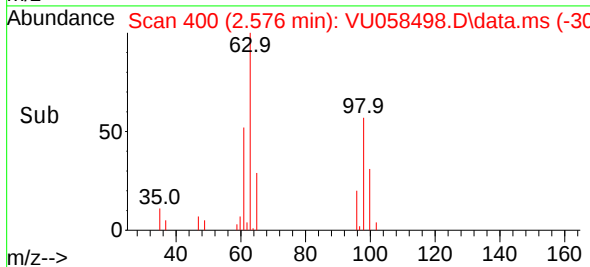
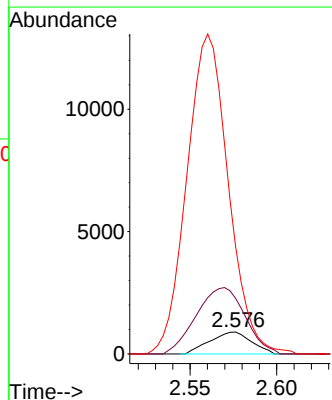
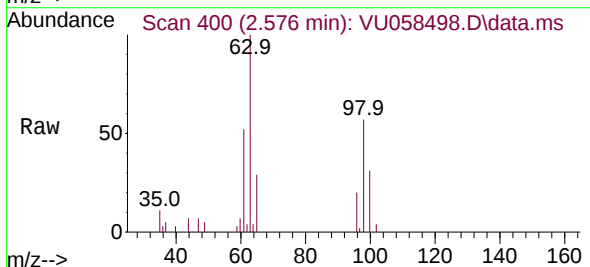
Tgt Ion: 96 Resp: 1499

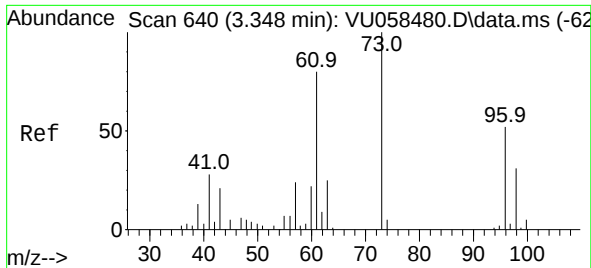
Ion Ratio Lower Upper

96 100

61 226.5 132.5 246.1

63 438.0 87.7 162.9#

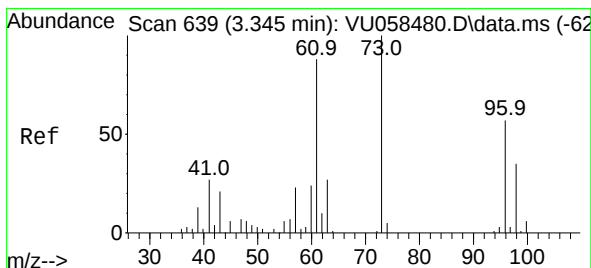
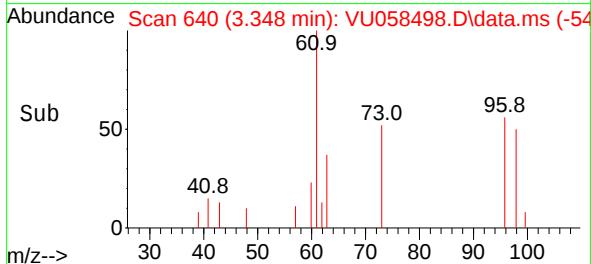
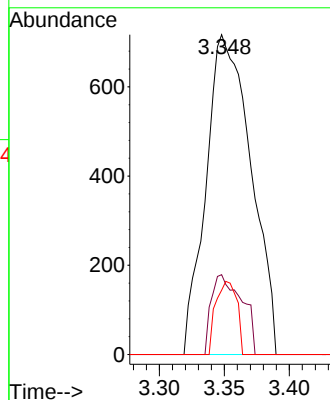
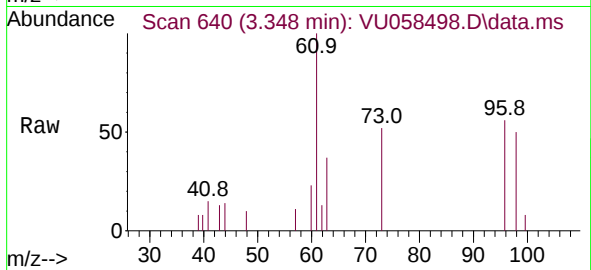




#17
Methyl tert-butyl Ether
Concen: 0.140 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU058498.D
Acq: 09 Apr 2024 03:13

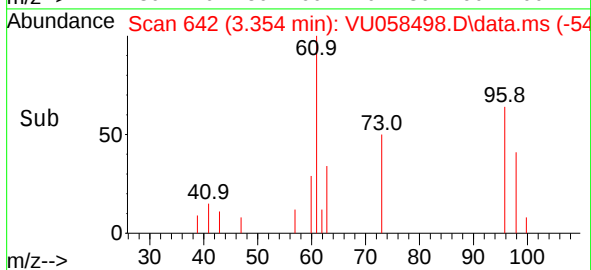
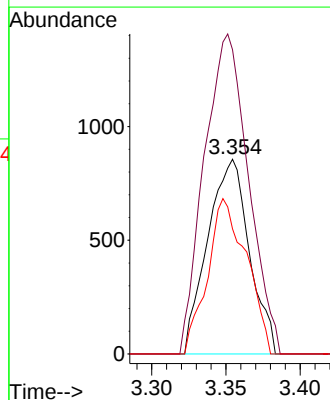
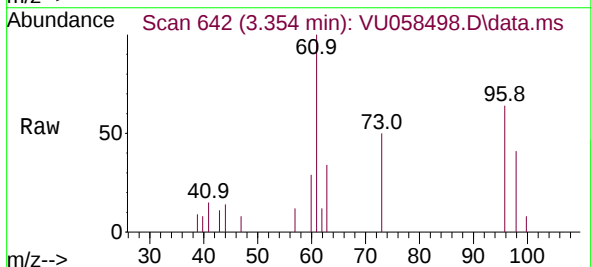
Instrument :
MSVOA_U
ClientSampleId :

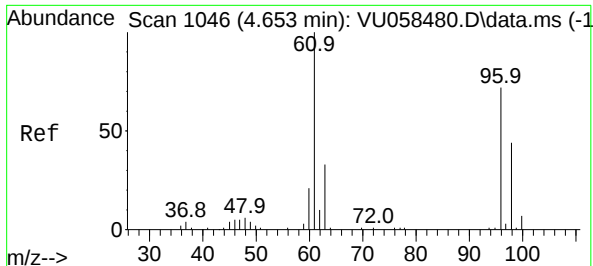
Tgt Ion: 73 Resp: 1727
Ion Ratio Lower Upper
73 100
43 17.0 17.4 26.2#
57 10.6 18.6 27.8#



#18
trans-1,2-Dichloroethene
Concen: 0.306 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.010 min
Lab File: VU058498.D
Acq: 09 Apr 2024 03:13

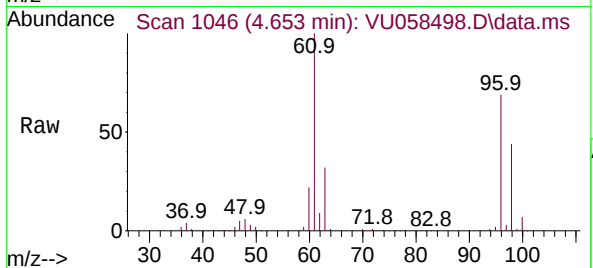
Tgt Ion: 96 Resp: 1671
Ion Ratio Lower Upper
96 100
61 156.3 107.6 199.8
98 64.3 45.1 83.7





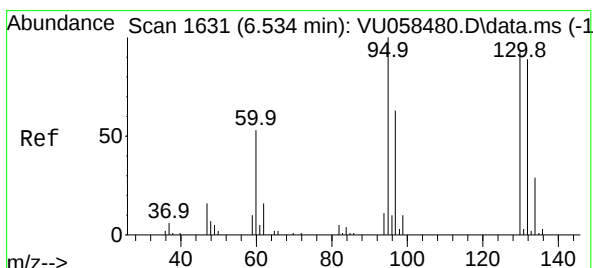
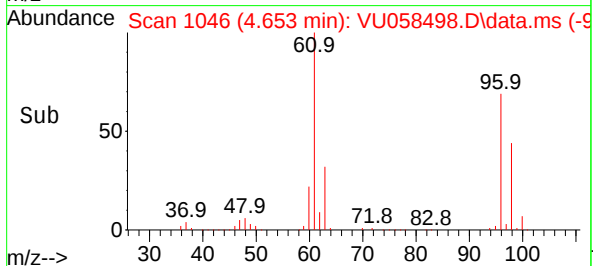
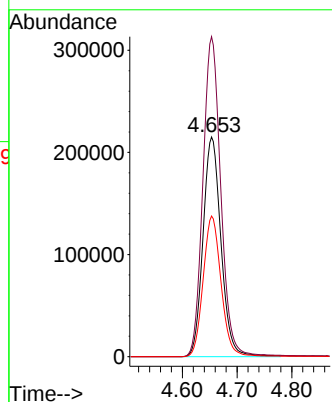
#22
 cis-1,2-Dichloroethene
 Concen: 80.126 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. 0.000 min
 Lab File: VU058498.D
 Acq: 09 Apr 2024 03:13

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 490885

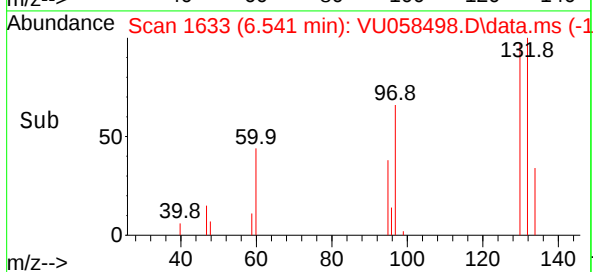
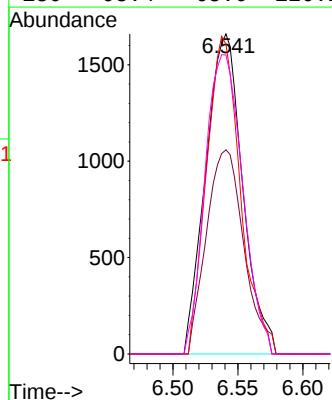
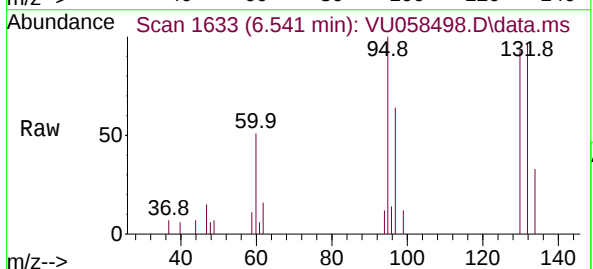
Ion	Ratio	Lower	Upper
96	100		
61	145.7	98.1	182.3
98	64.1	43.6	81.0

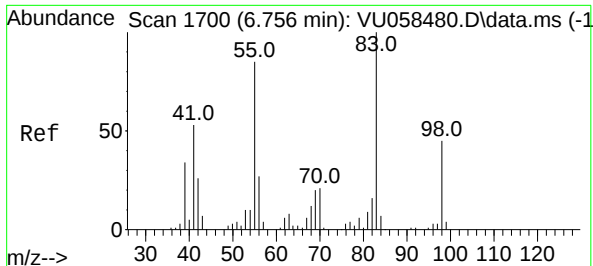


#34
 Trichloroethene
 Concen: 0.517 ug/L
 RT: 6.541 min Scan# 1633
 Delta R.T. 0.006 min
 Lab File: VU058498.D
 Acq: 09 Apr 2024 03:13

Tgt Ion: 95 Resp: 3282

Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.6	84.6
132	96.8	64.8	120.3
130	93.4	68.0	126.2





#35

Methylcyclohexane

Concen: 0.572 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU058498.D

Acq: 09 Apr 2024 03:13

Instrument :

MSVOA_U

ClientSampleId :

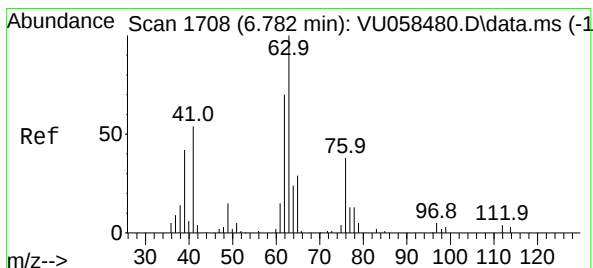
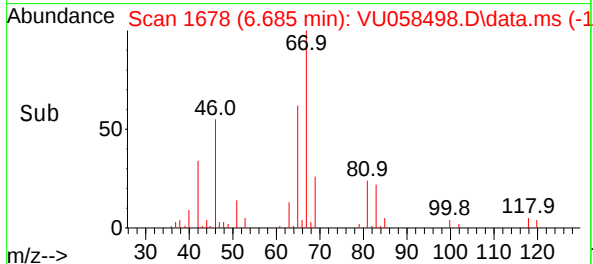
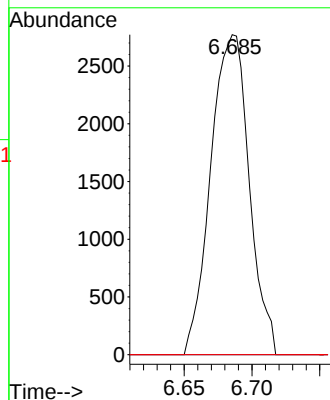
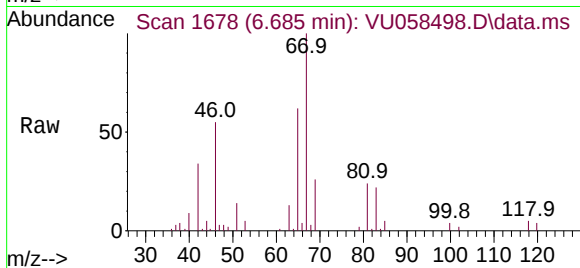
Tgt Ion: 83 Resp: 5473

Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 0.4 34.6 52.0#



#37

1,2-Dichloropropane

Concen: 0.441 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU058498.D

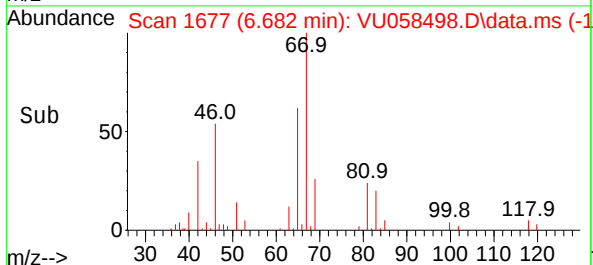
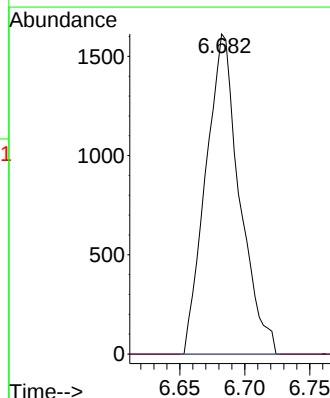
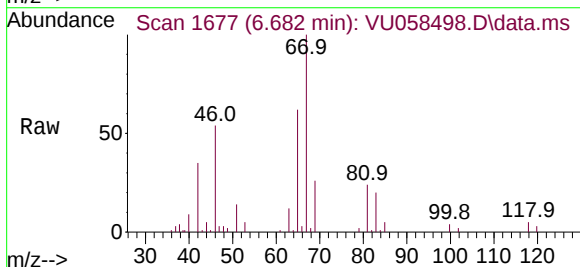
Acq: 09 Apr 2024 03:13

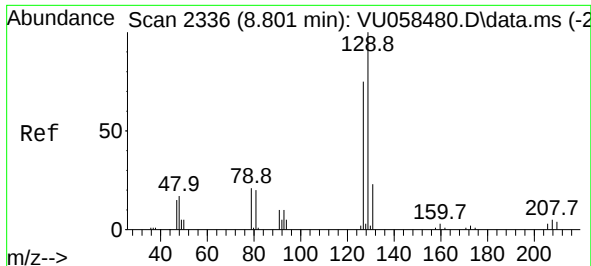
Tgt Ion: 63 Resp: 2924

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#





#49

Dibromochloromethane

Concen: 0.211 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU058498.D

Acq: 09 Apr 2024 03:13

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MSVOA_U

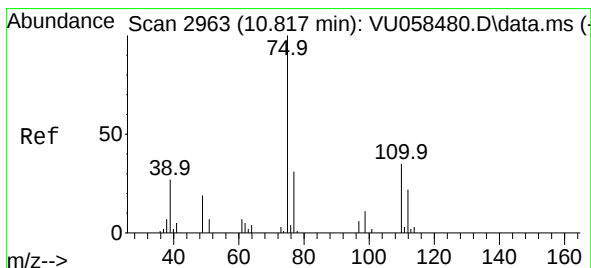
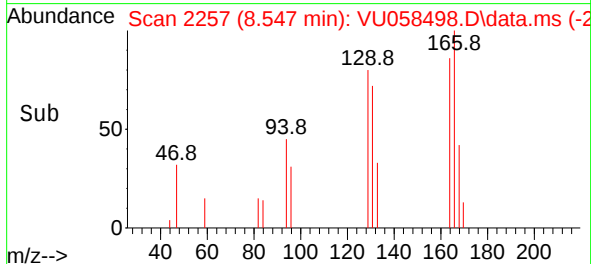
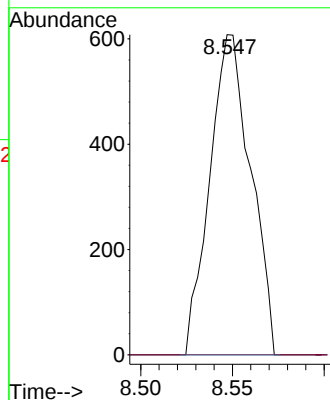
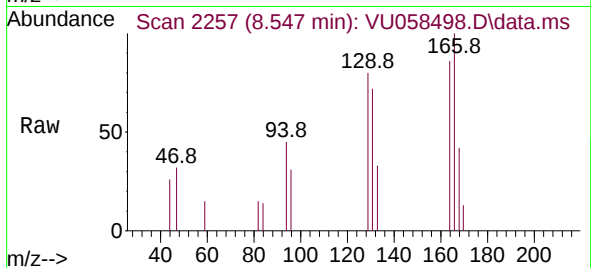
ClientSampleId :

Tgt Ion:129 Resp: 946

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#61

1,2,3-Trichloropropane

Concen: 1.374 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU058498.D

Acq: 09 Apr 2024 03:13

Tgt Ion: 75 Resp: 4156

Ion Ratio Lower Upper

75 100

110 0.0 25.8 38.6#

77 30.0 25.1 37.7

