

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032824\
 Data File : VU058247.D
 Acq On : 28 Mar 2024 18:15
 Operator : MD/SY
 Sample : P1902-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 29 01:12:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 29 01:09:13 2024
 Response via : Initial Calibration

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

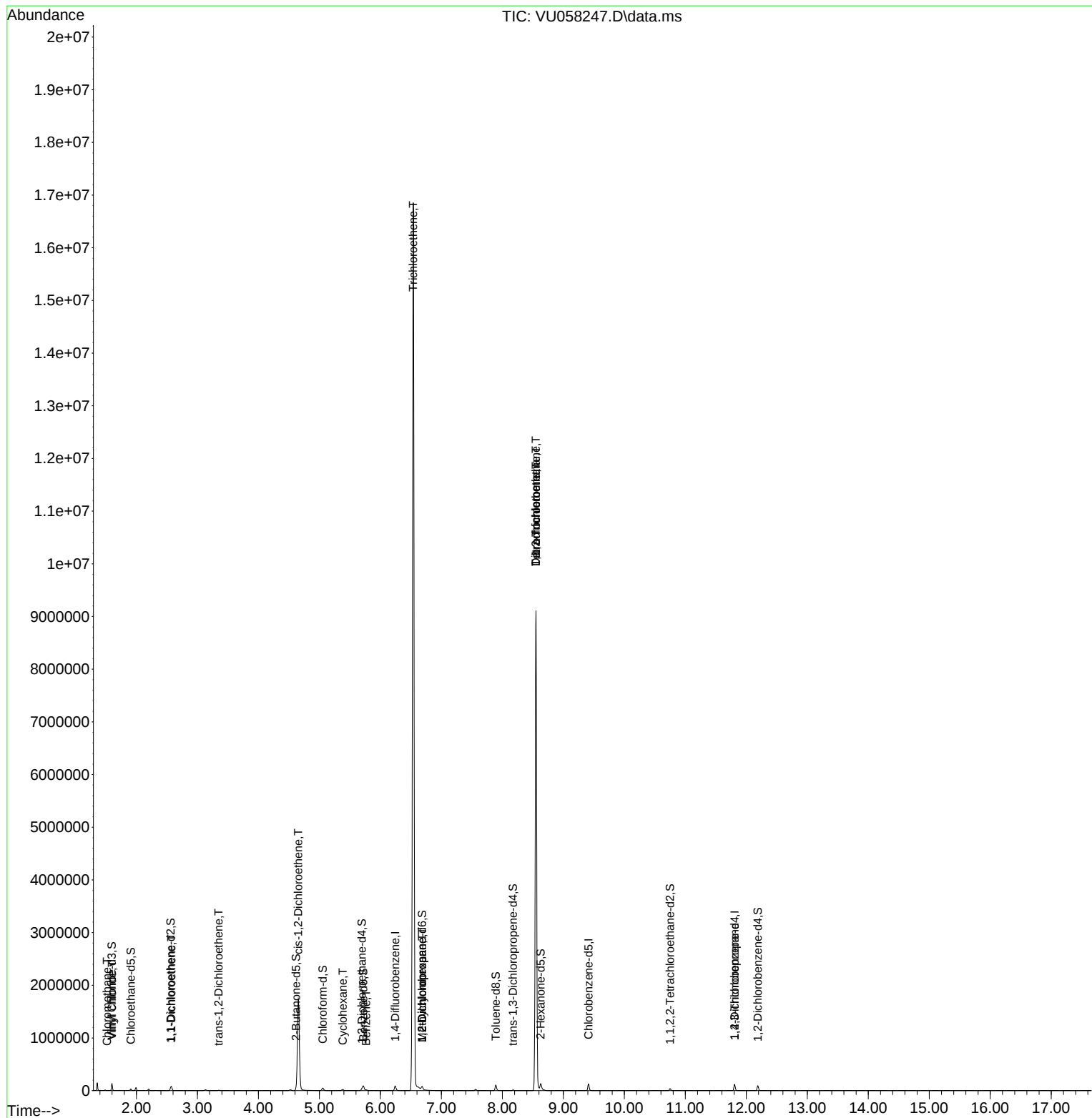
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	71680	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	69829	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	31372	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	20324	3.355	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.200%
7) Chloroethane-d5	1.908	69	20214	4.088	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.800%
11) 1,1-Dichloroethene-d2	2.560	65	8215	3.266	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.400%
20) 2-Butanone-d5	4.618	46	51636	47.983	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.960%
24) Chloroform-d	5.052	84	44260	4.087	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.800%
26) 1,2-Dichloroethane-d4	5.695	65	21693	4.285	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
32) Benzene-d6	5.718	84	84534	3.727	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.600%
36) 1,2-Dichloropropane-d6	6.682	67	28188	4.217	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.400%
41) Toluene-d8	7.891	98	71518	3.559	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.200%
43) trans-1,3-Dichloroprop...	8.174	79	8504	3.970	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.400%
46) 2-Hexanone-d5	8.627	63	41475	47.816	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.640%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	19439	4.464	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	25041	4.286	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	430	0.114	ug/L #	81
5) Vinyl chloride	1.599	62	51585	12.553	ug/L	98
12) 1,1-Dichloroethene	2.573	96	17830	4.962	ug/L	88
18) trans-1,2-Dichloroethene	3.348	96	3113	0.829	ug/L	95
22) cis-1,2-Dichloroethene	4.653	96	870447	187.569	ug/L	97
30) Cyclohexane	5.380	56	10156	1.610	ug/L	99
33) Benzene	5.766	78	13442	0.733	ug/L	100
34) Trichloroethene	6.538	95	5602982	1172.630	ug/L	94
35) Methylcyclohexane	6.682	83	7023	1.054	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	2964	0.579	ug/L #	90
45) 1,1,2-Trichloroethane	8.550	97	17869	5.537	ug/L #	1
47) Tetrachloroethene	8.550	164	1791183	559.675	ug/L	97
49) Dibromochloromethane	8.550	129	1886448	534.234	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	4138	1.575	ug/L #	68

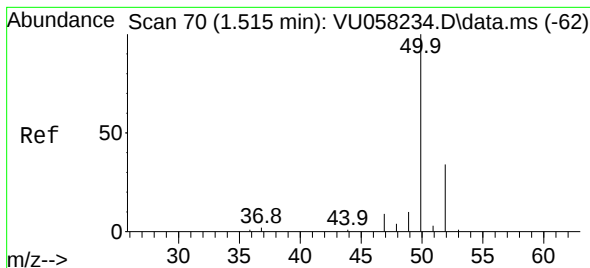
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.114 ug/L

RT: 1.515 min Scan# 70

Delta R.T. 0.000 min

Lab File: VU058247.D

Acq: 28 Mar 2024 18:15

Instrument :

MSVOA_U

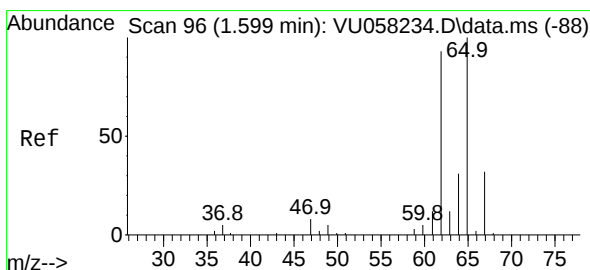
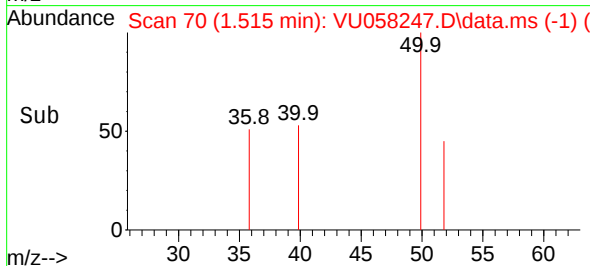
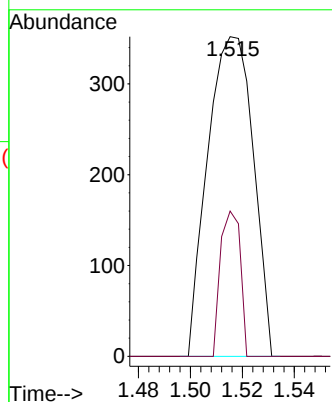
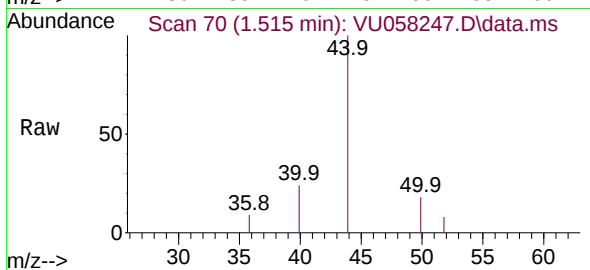
ClientSampleId :

Tgt Ion: 50 Resp: 430

Ion Ratio Lower Upper

50 100

52 45.5 24.2 45.0#



#5

Vinyl chloride

Concen: 12.553 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU058247.D

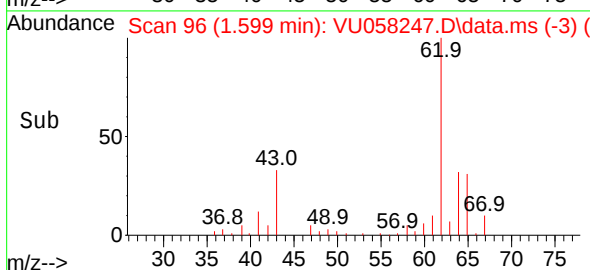
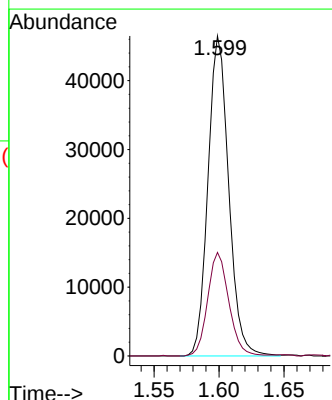
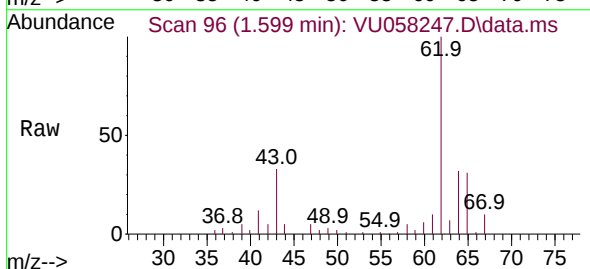
Acq: 28 Mar 2024 18:15

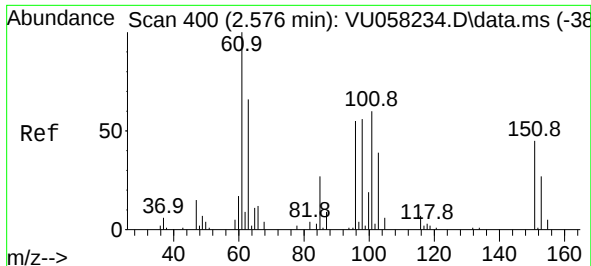
Tgt Ion: 62 Resp: 51585

Ion Ratio Lower Upper

62 100

64 32.4 23.4 43.6

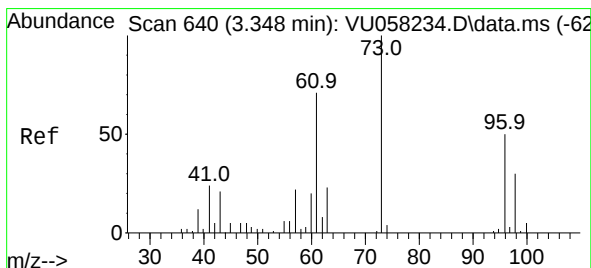
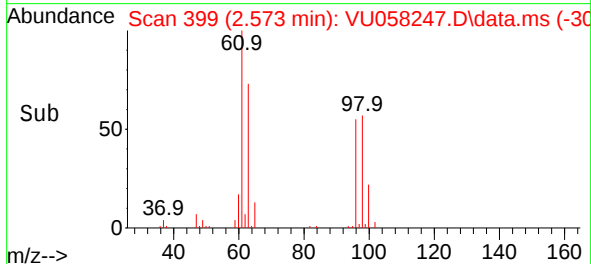
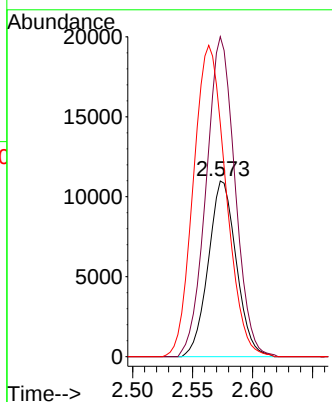
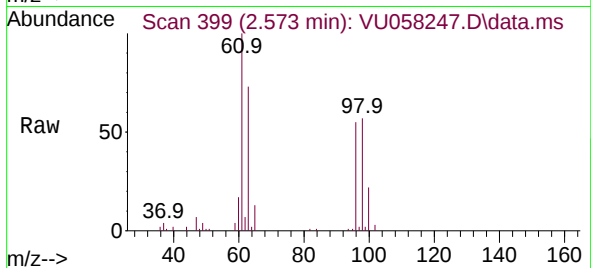




#12
1,1-Dichloroethene
Concen: 4.962 ug/L
RT: 2.573 min Scan# 30
Delta R.T. -0.003 min
Lab File: VU058247.D
Acq: 28 Mar 2024 18:15

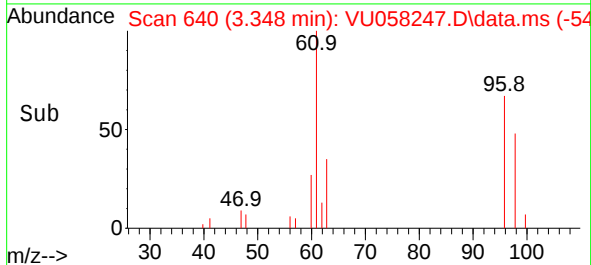
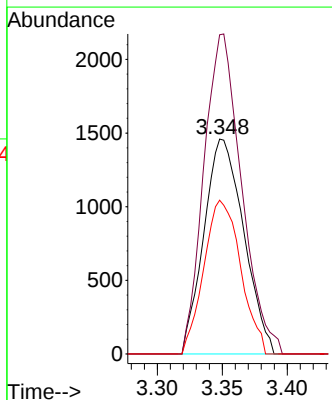
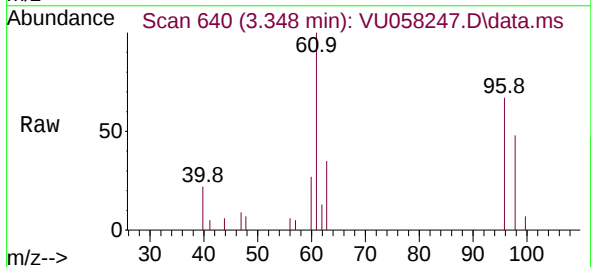
Instrument :
MSVOA_U
ClientSampleId :

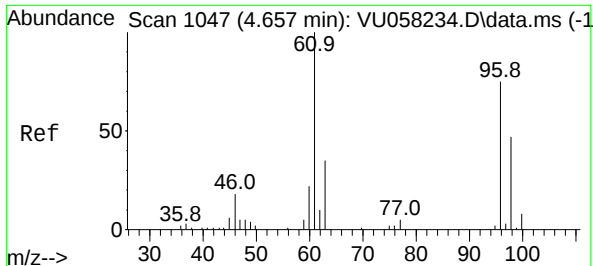
Tgt Ion: 96 Resp: 17830
Ion Ratio Lower Upper
96 100
61 182.1 128.1 237.9
63 132.9 116.8 217.0



#18
trans-1,2-Dichloroethene
Concen: 0.829 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU058247.D
Acq: 28 Mar 2024 18:15

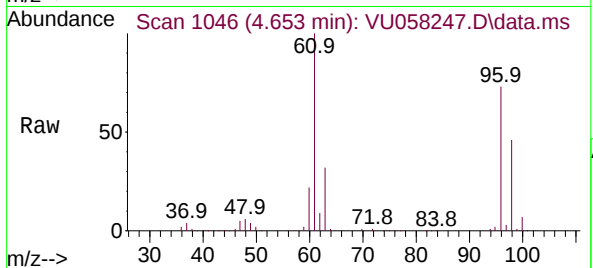
Tgt Ion: 96 Resp: 3113
Ion Ratio Lower Upper
96 100
61 148.6 102.5 190.3
98 71.6 44.0 81.8





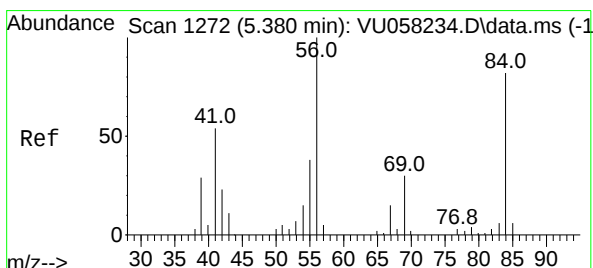
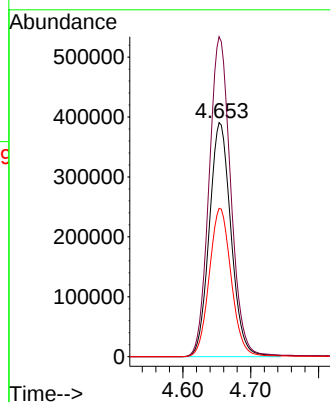
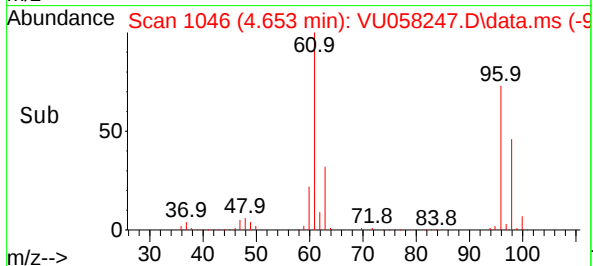
#22
 cis-1,2-Dichloroethene
 Concen: 187.569 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. -0.003 min
 Lab File: VU058247.D
 Acq: 28 Mar 2024 18:15

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 870447

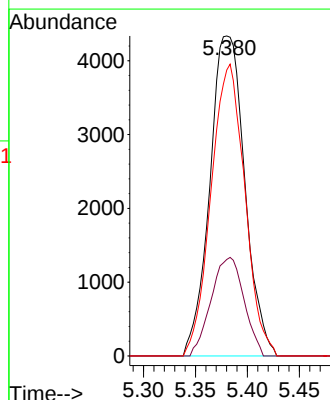
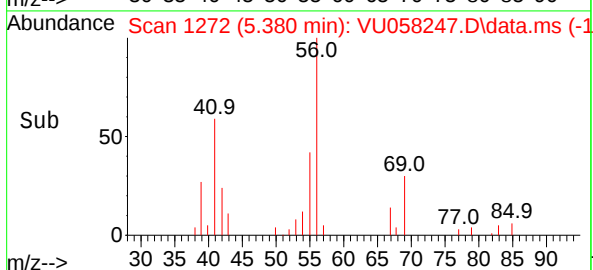
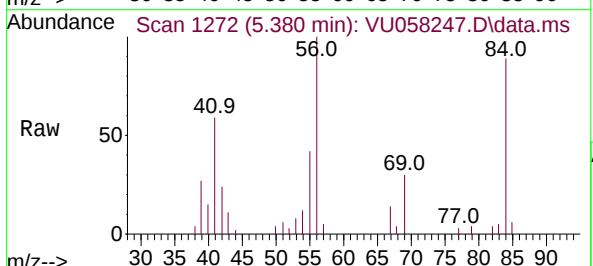
Ion	Ratio	Lower	Upper
96	100		
61	136.7	92.8	172.4
98	63.4	43.2	80.2

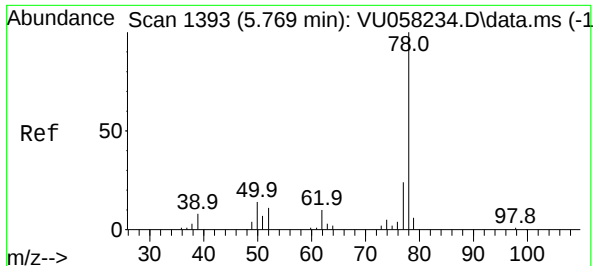


#30
 Cyclohexane
 Concen: 1.610 ug/L
 RT: 5.380 min Scan# 1272
 Delta R.T. 0.000 min
 Lab File: VU058247.D
 Acq: 28 Mar 2024 18:15

Tgt Ion: 56 Resp: 10156

Ion	Ratio	Lower	Upper
56	100		
69	28.9	24.2	36.2
84	87.9	69.7	104.5

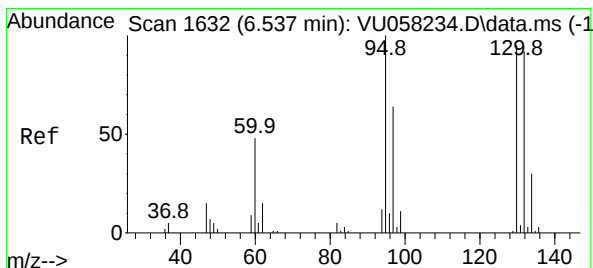
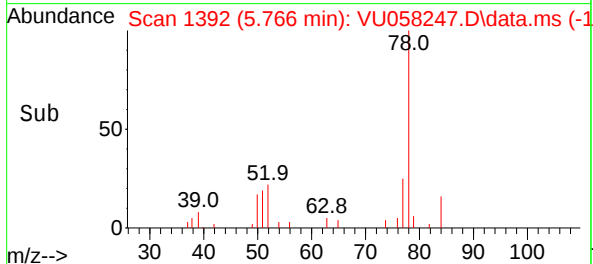
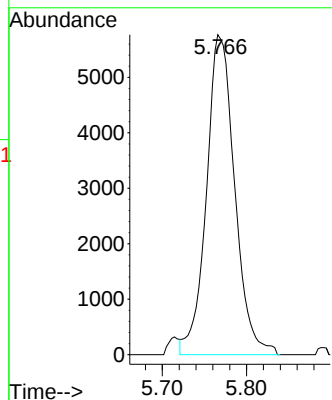
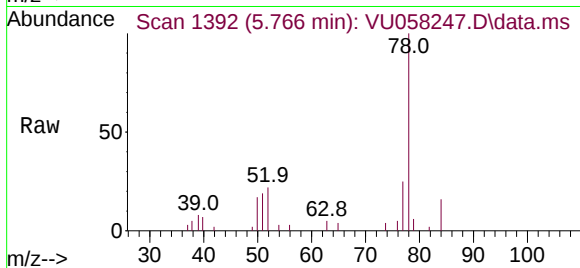




#33
Benzene
Concen: 0.733 ug/L
RT: 5.766 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU058247.D
Acq: 28 Mar 2024 18:15

Instrument :
MSVOA_U
ClientSampleId :

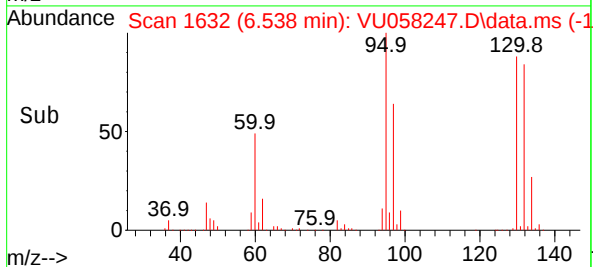
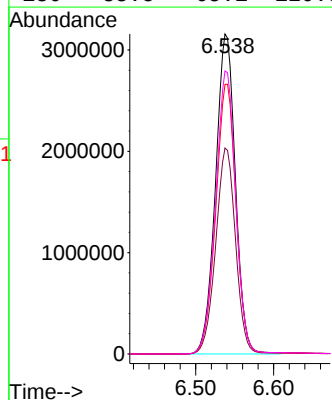
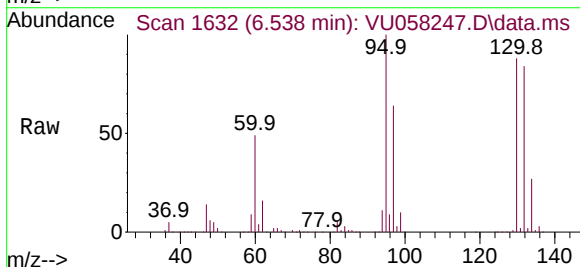
Tgt Ion: 78 Resp: 13442

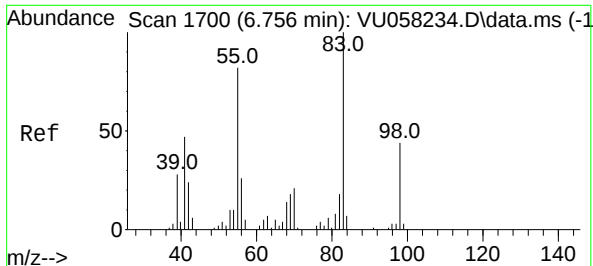


#34
Trichloroethene
Concen: 1172.630 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU058247.D
Acq: 28 Mar 2024 18:15

Tgt Ion: 95 Resp: 5602982

Ion	Ratio	Lower	Upper
95	100		
97	64.3	47.7	88.7
132	84.2	63.6	118.2
130	88.5	65.1	120.9





#35

Methylcyclohexane

Concen: 1.054 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU058247.D

Acq: 28 Mar 2024 18:15

Instrument :

MSVOA_U

ClientSampleId :

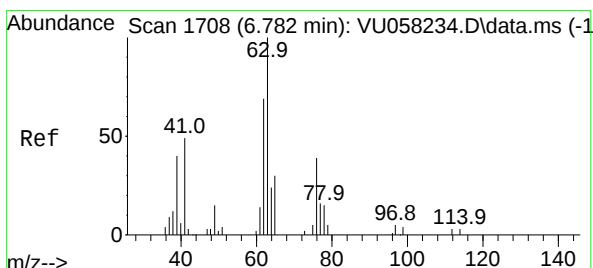
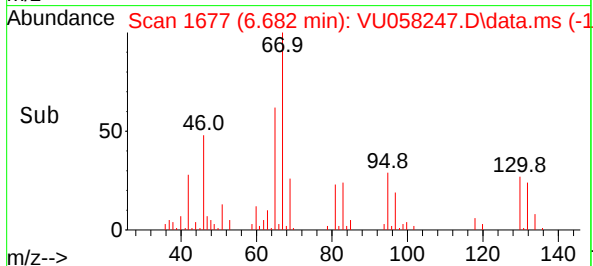
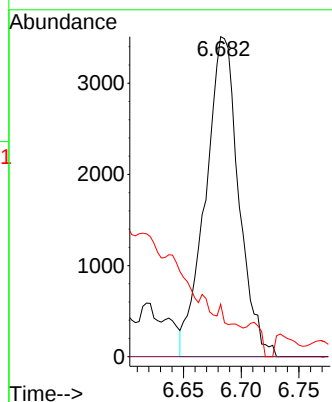
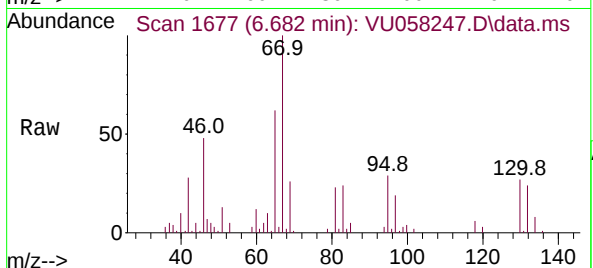
Tgt Ion: 83 Resp: 7023

Ion Ratio Lower Upper

83 100

55 0.0 62.7 94.1#

98 0.0 37.3 55.9#



#37

1,2-Dichloropropane

Concen: 0.579 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.096 min

Lab File: VU058247.D

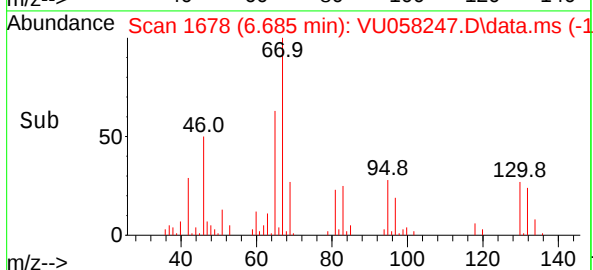
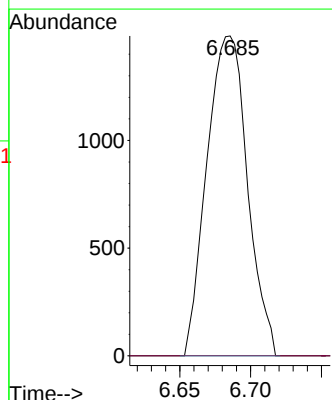
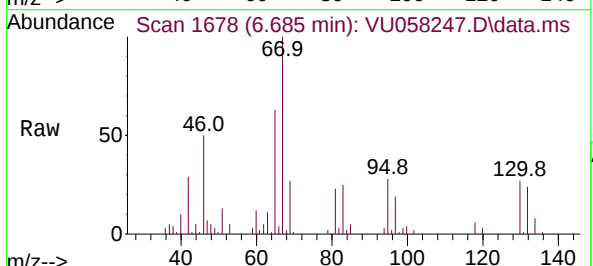
Acq: 28 Mar 2024 18:15

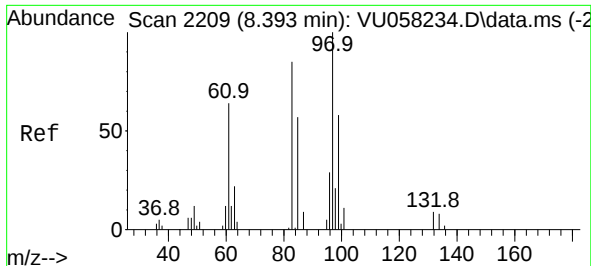
Tgt Ion: 63 Resp: 2964

Ion Ratio Lower Upper

63 100

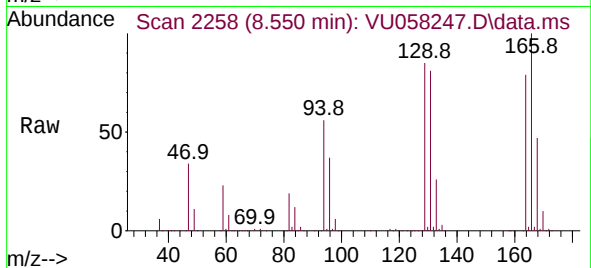
112 0.0 2.7 4.1#



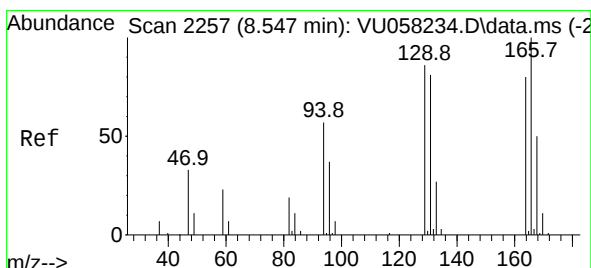
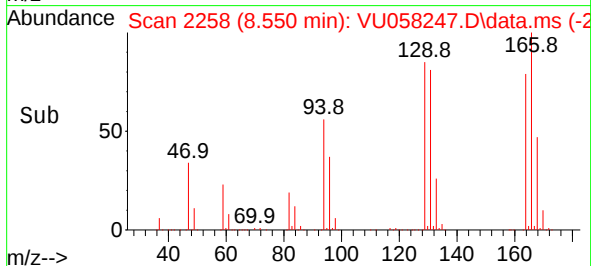
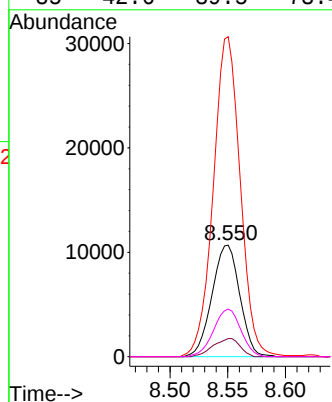


#45
1,1,2-Trichloroethane
Concen: 5.537 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.158 min
Lab File: VU058247.D
Acq: 28 Mar 2024 18:15

Instrument :
MSVOA_U
ClientSampleId :

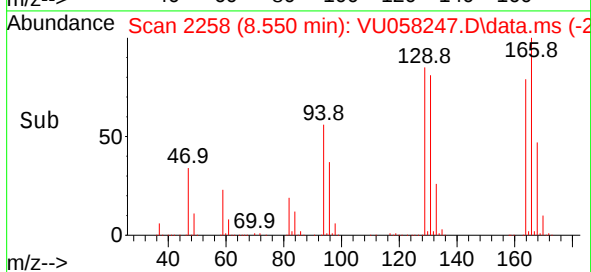
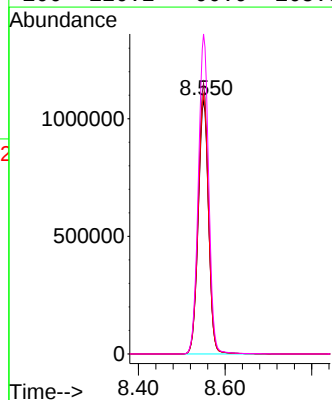
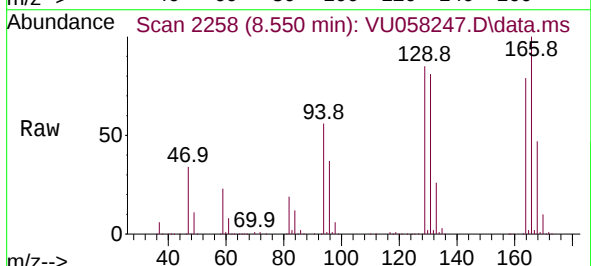


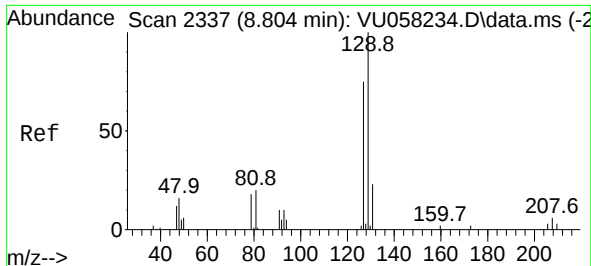
Tgt Ion:	97	Resp:	17869
Ion	Ratio	Lower	Upper
97	100		
99	16.3	44.5	82.7#
83	287.1	64.1	119.1#
85	42.6	39.5	73.4



#47
Tetrachloroethene
Concen: 559.675 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU058247.D
Acq: 28 Mar 2024 18:15

Tgt Ion:	164	Resp:	1791183
Ion	Ratio	Lower	Upper
164	100		
129	106.7	71.3	132.3
131	102.3	70.8	131.4
166	126.2	90.9	168.9





#49

Dibromochloromethane

Concen: 534.234 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.254 min MSVOA_U

Lab File: VU058247.D

Acq: 28 Mar 2024 18:15

Instrument :

MSVOA_U

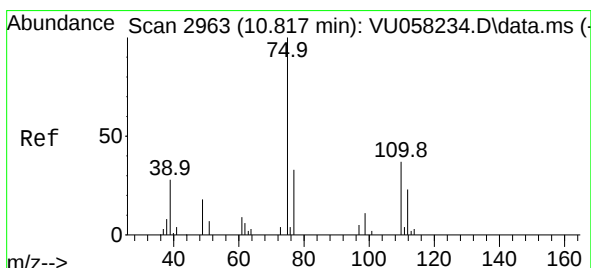
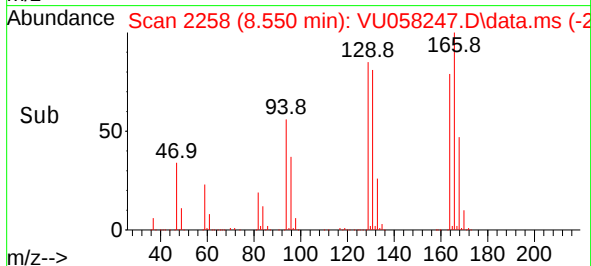
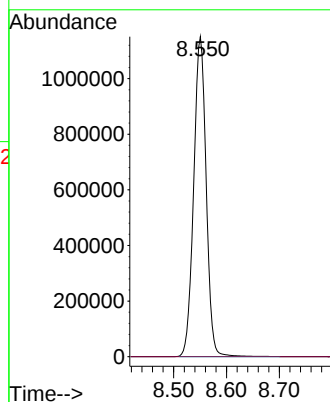
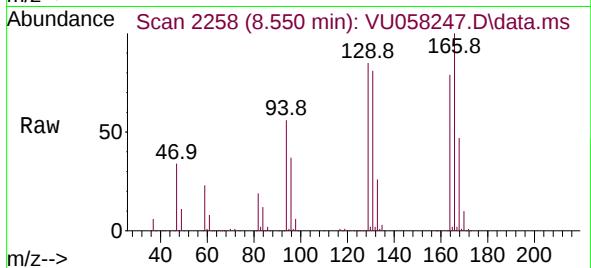
ClientSampleId :

Tgt Ion:129 Resp: 1886448

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#61

1,2,3-Trichloropropane

Concen: 1.575 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU058247.D

Acq: 28 Mar 2024 18:15

Tgt Ion: 75 Resp: 4138

Ion Ratio Lower Upper

75 100

110 0.5 28.1 42.1#

77 30.2 25.1 37.7

