

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032824\
 Data File : VU058246.D
 Acq On : 28 Mar 2024 17:52
 Operator : MD/SY
 Sample : P1902-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 29 01:12:35 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)

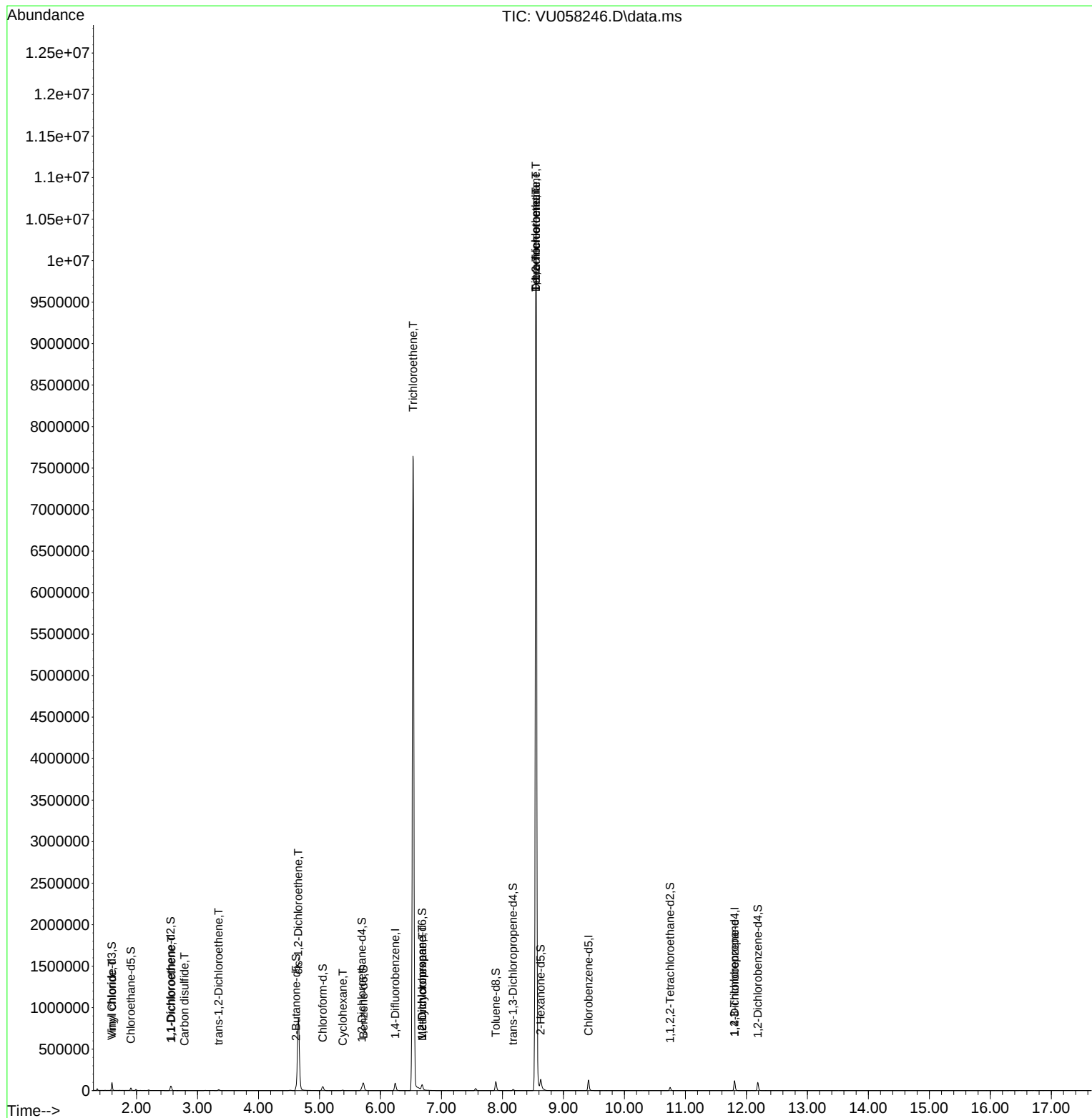
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	72860	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	69806	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	30767	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	20748	3.370	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.400%
7) Chloroethane-d5	1.907	69	20634	4.106	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.560	65	8919	3.489	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.800%
20) 2-Butanone-d5	4.618	46	50865	46.501	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.000%
24) Chloroform-d	5.055	84	45195	4.106	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
26) 1,2-Dichloroethane-d4	5.695	65	22786	4.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
32) Benzene-d6	5.721	84	88804	3.917	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.400%
36) 1,2-Dichloropropane-d6	6.682	67	28719	4.298	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.000%
41) Toluene-d8	7.891	98	73007	3.635	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.600%
43) trans-1,3-Dichloroprop...	8.174	79	8344	3.897	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.000%
46) 2-Hexanone-d5	8.627	63	40944	47.220	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.440%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	19511	4.482	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	25564	4.462	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	43182	10.338	ug/L	100
12) 1,1-Dichloroethene	2.573	96	6205	1.699	ug/L #	62
14) Carbon disulfide	2.788	76	802	0.098	ug/L #	75
18) trans-1,2-Dichloroethene	3.348	96	4572	1.198	ug/L	88
22) cis-1,2-Dichloroethene	4.653	96	437933	92.840	ug/L	96
30) Cyclohexane	5.380	56	2652	0.421	ug/L #	91
34) Trichloroethene	6.534	95	2586208	541.438	ug/L	96
35) Methylcyclohexane	6.688	83	6802	1.021	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	3166	0.618	ug/L #	90
45) 1,1,2-Trichloroethane	8.550	97	20944	6.492	ug/L #	1
47) Tetrachloroethene	8.550	164	2083018	651.076	ug/L	96
49) Dibromochloromethane	8.550	129	2205629	624.830	ug/L #	10
61) 1,2,3-Trichloropropane	11.804	75	4083	1.585	ug/L #	65

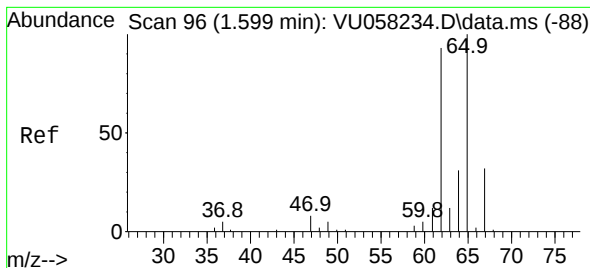
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 10.338 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU058246.D

Acq: 28 Mar 2024 17:52

Instrument :

MSVOA_U

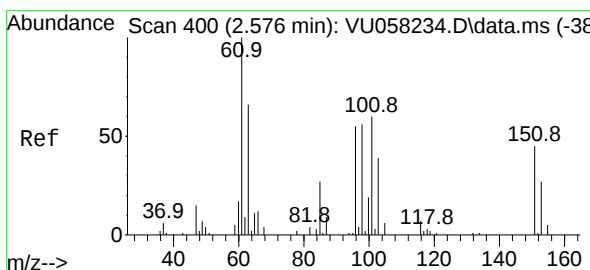
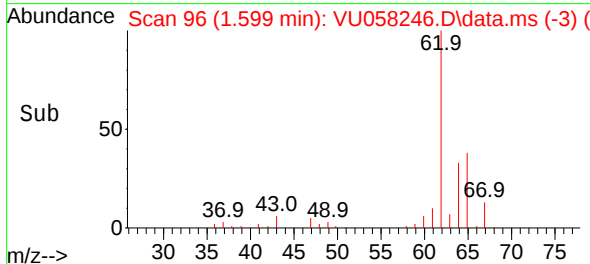
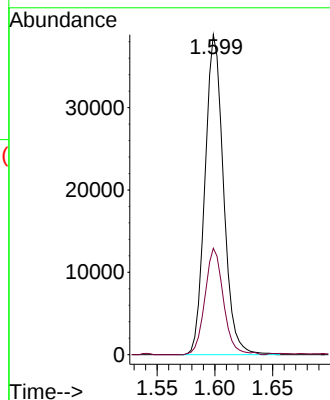
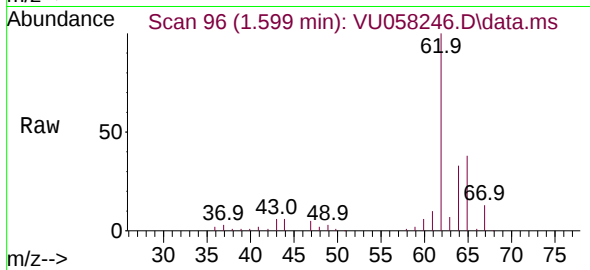
ClientSampleId :

Tgt Ion: 62 Resp: 43182

Ion Ratio Lower Upper

62 100

64 33.3 23.4 43.6



#12

1,1-Dichloroethene

Concen: 1.699 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU058246.D

Acq: 28 Mar 2024 17:52

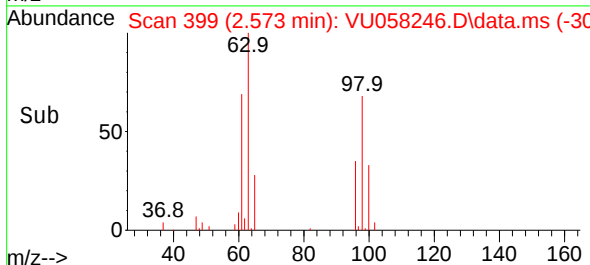
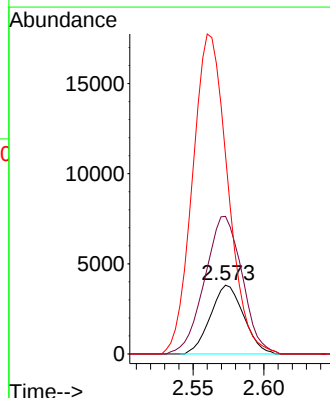
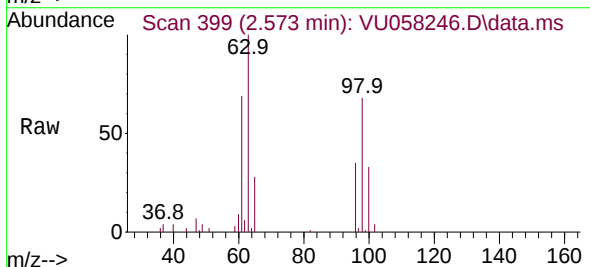
Tgt Ion: 96 Resp: 6205

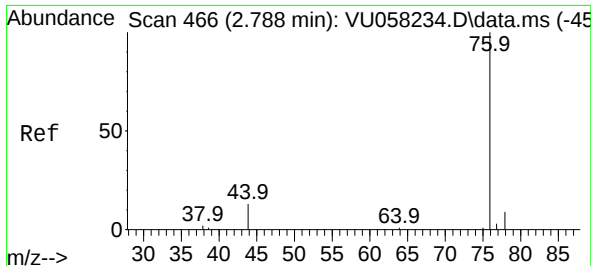
Ion Ratio Lower Upper

96 100

61 187.4 128.1 237.9

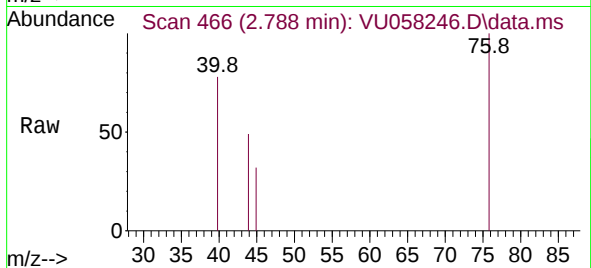
63 271.3 116.8 217.0#



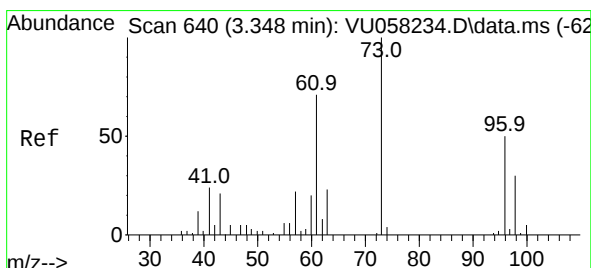
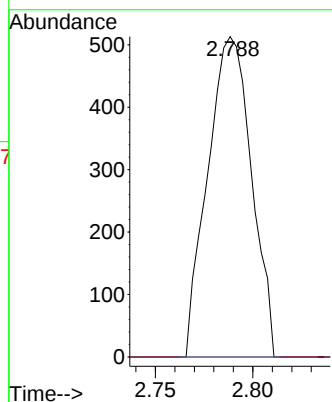
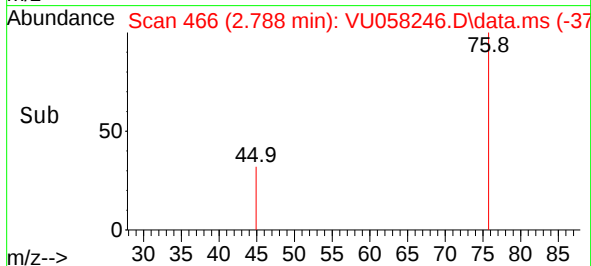


#14
Carbon disulfide
Concen: 0.098 ug/L
RT: 2.788 min Scan# 466
Delta R.T. -0.000 min
Lab File: VU058246.D
Acq: 28 Mar 2024 17:52

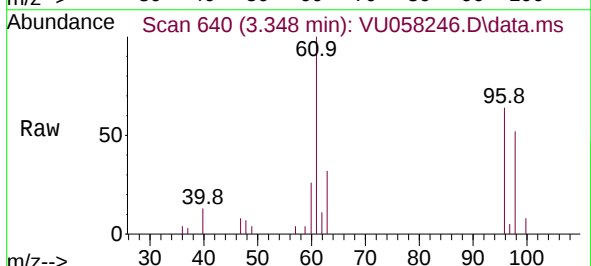
Instrument :
MSVOA_U
ClientSampleId :



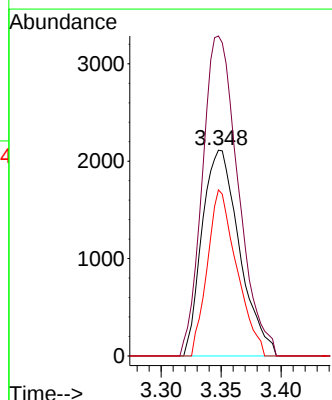
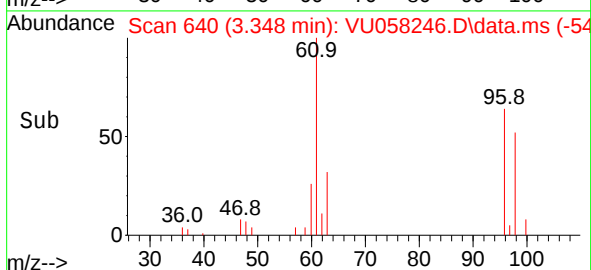
Tgt Ion: 76 Resp: 802
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

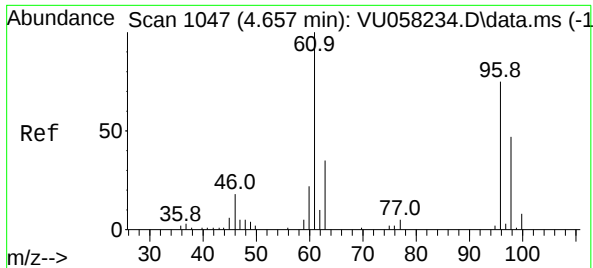


#18
trans-1,2-Dichloroethene
Concen: 1.198 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU058246.D
Acq: 28 Mar 2024 17:52



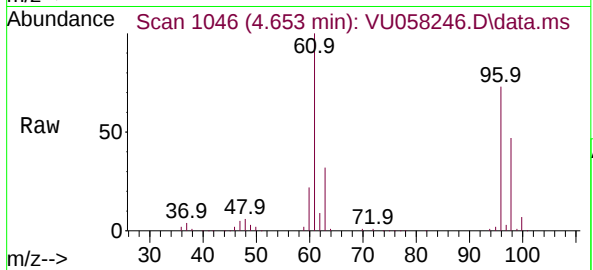
Tgt Ion: 96 Resp: 4572
Ion Ratio Lower Upper
96 100
61 155.6 102.5 190.3
98 80.7 44.0 81.8



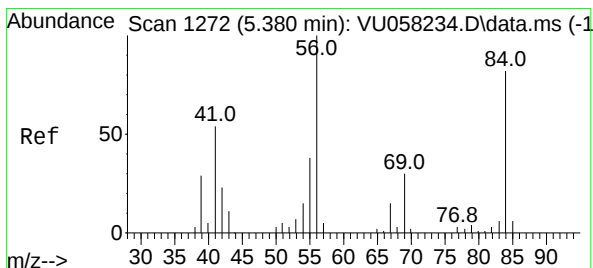
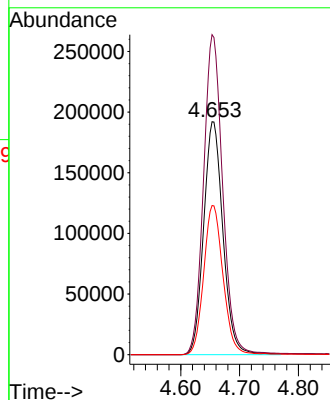
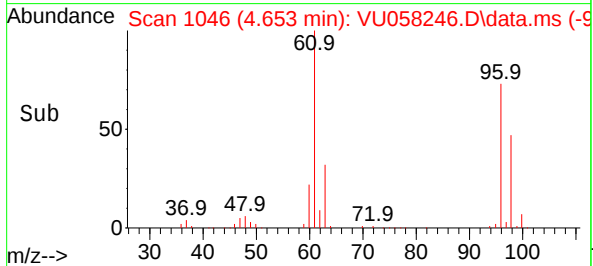


#22
 cis-1,2-Dichloroethene
 Concen: 92.840 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. -0.003 min
 Lab File: VU058246.D
 Acq: 28 Mar 2024 17:52

Instrument :
 MSVOA_U
 ClientSampleId :

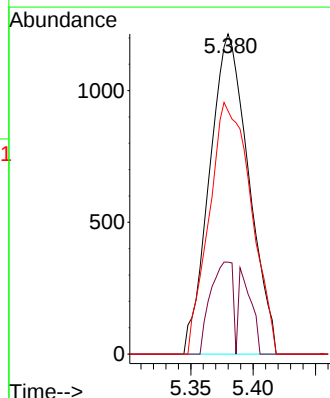
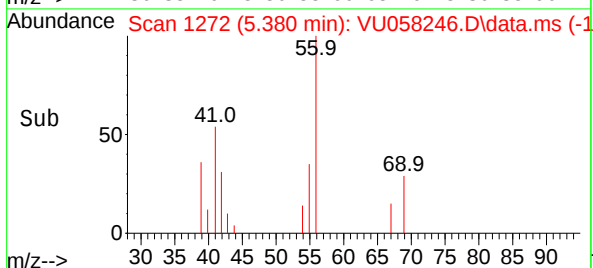
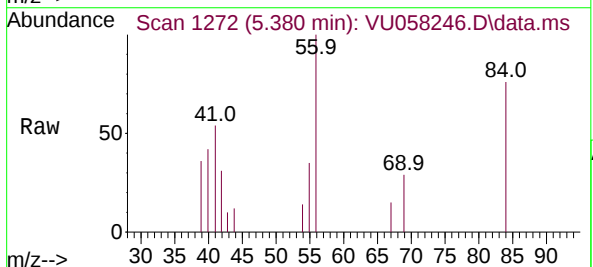


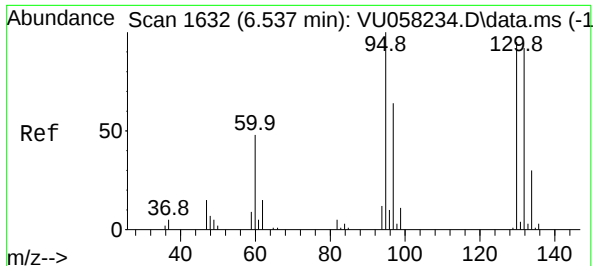
Tgt Ion: 96 Resp: 437933
 Ion Ratio Lower Upper
 96 100
 61 137.4 92.8 172.4
 98 64.0 43.2 80.2



#30
 Cyclohexane
 Concen: 0.421 ug/L
 RT: 5.380 min Scan# 1272
 Delta R.T. -0.000 min
 Lab File: VU058246.D
 Acq: 28 Mar 2024 17:52

Tgt Ion: 56 Resp: 2652
 Ion Ratio Lower Upper
 56 100
 69 16.3 24.2 36.2#
 84 84.4 69.7 104.5





#34

Trichloroethene

Concen: 541.438 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU058246.D

Acq: 28 Mar 2024 17:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 2586208

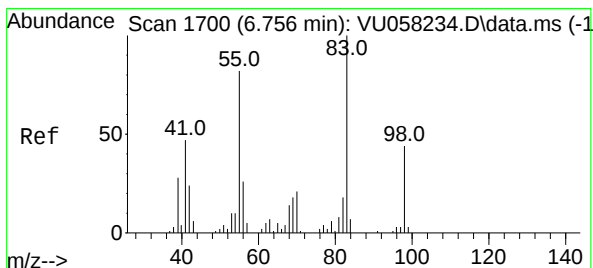
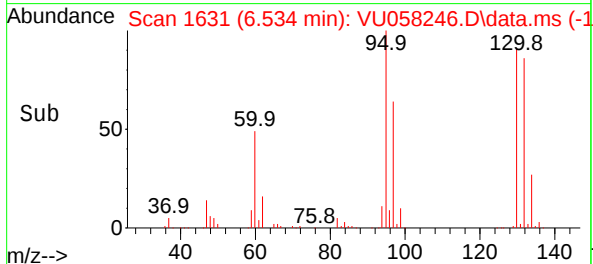
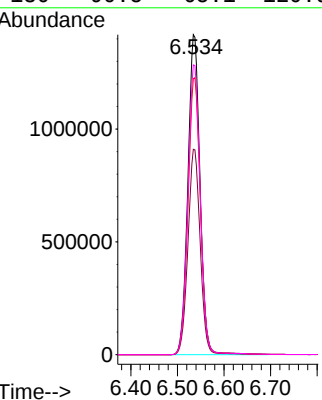
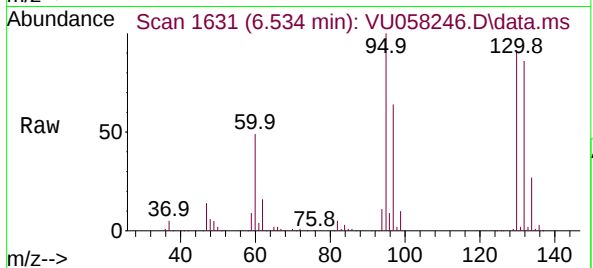
Ion Ratio Lower Upper

95 100

97 64.2 47.7 88.7

132 86.2 63.6 118.2

130 90.5 65.1 120.9



#35

Methylcyclohexane

Concen: 1.021 ug/L

RT: 6.688 min Scan# 1679

Delta R.T. -0.068 min

Lab File: VU058246.D

Acq: 28 Mar 2024 17:52

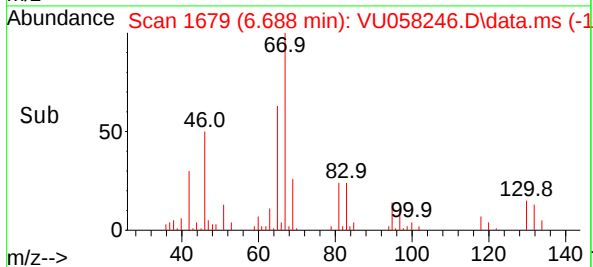
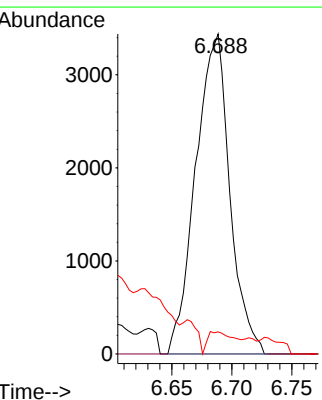
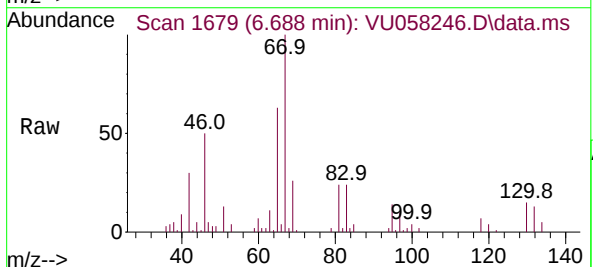
Tgt Ion: 83 Resp: 6802

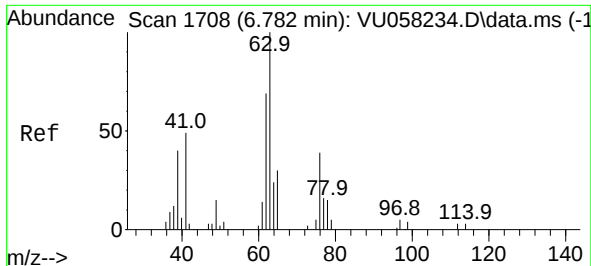
Ion Ratio Lower Upper

83 100

55 0.0 62.7 94.1#

98 0.0 37.3 55.9#

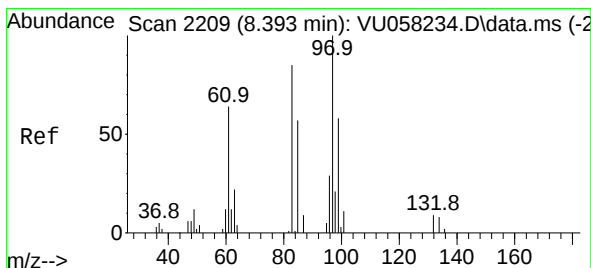
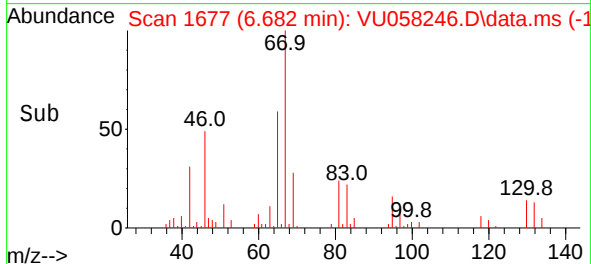
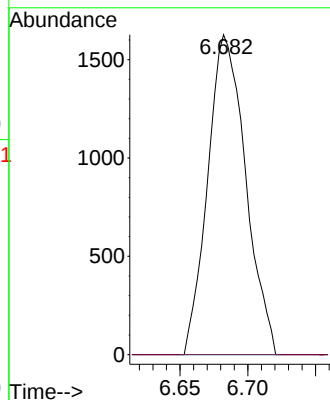
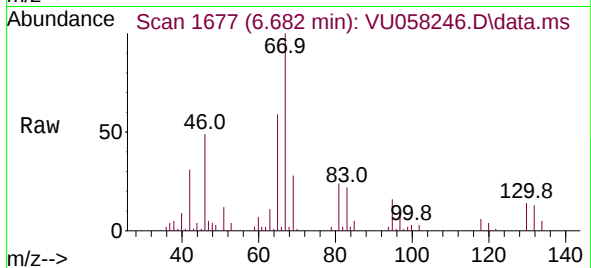




#37
1,2-Dichloropropane
Concen: 0.618 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU058246.D
Acq: 28 Mar 2024 17:52

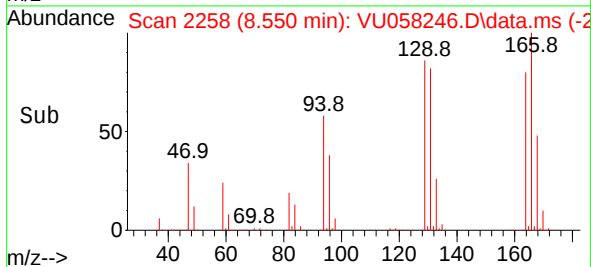
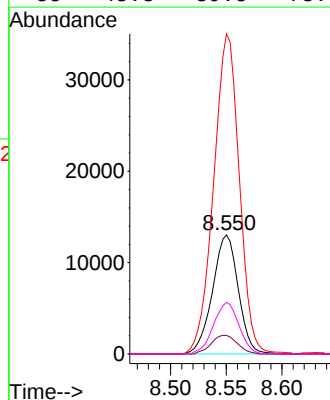
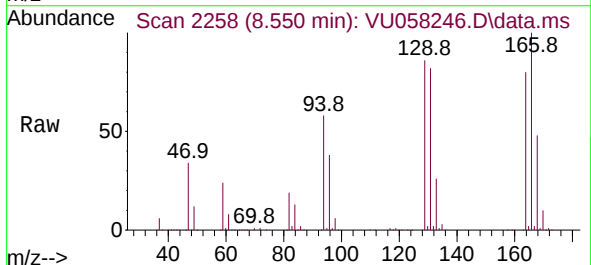
Instrument :
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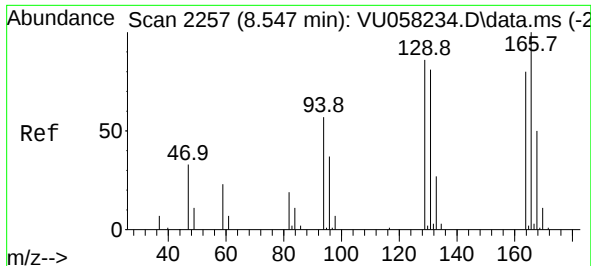
Tgt Ion: 63 Resp: 3166
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



#45
1,1,2-Trichloroethane
Concen: 6.492 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.157 min
Lab File: VU058246.D
Acq: 28 Mar 2024 17:52

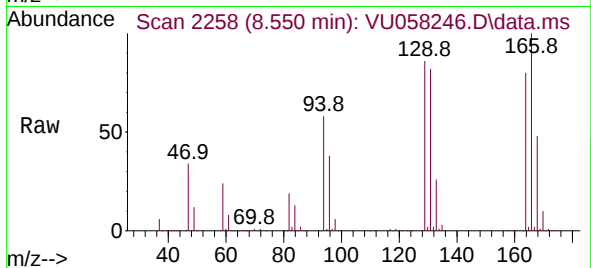
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Ion Ratio Lower Upper
97 100
99 15.6 44.5 82.7#
83 268.9 64.1 119.1#
85 43.3 39.5 73.4





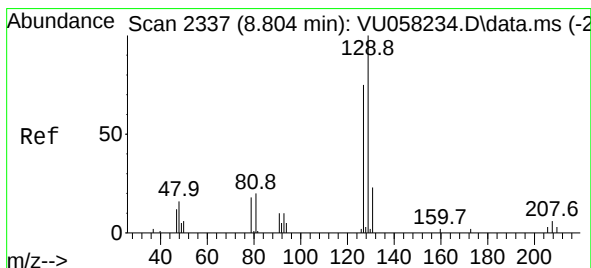
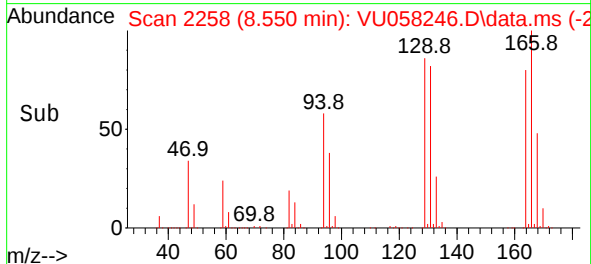
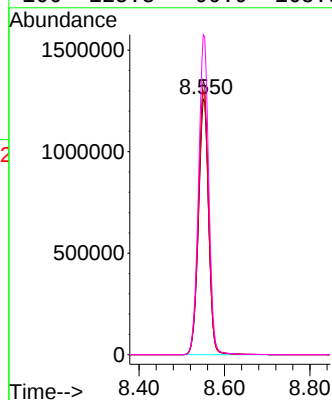
#47
Tetrachloroethene
Concen: 651.076 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU058246.D
Acq: 28 Mar 2024 17:52

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:164 Resp: 2083018

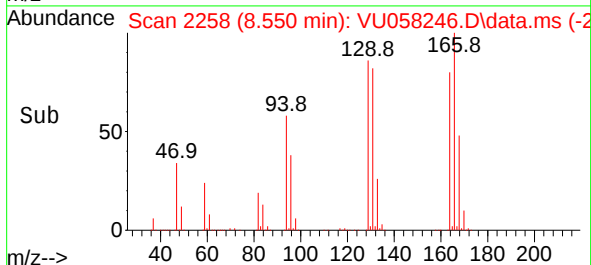
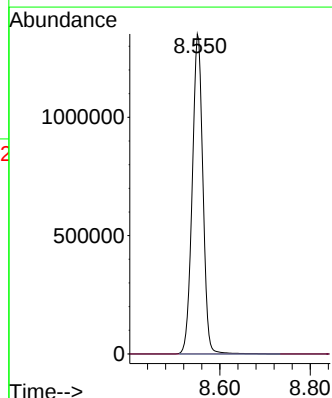
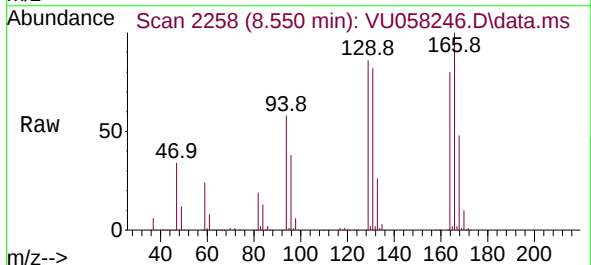
Ion	Ratio	Lower	Upper
164	100		
129	107.4	71.3	132.3
131	103.2	70.8	131.4
166	125.3	90.9	168.9

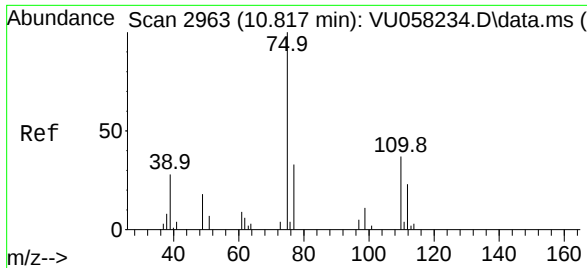


#49
Dibromochloromethane
Concen: 624.830 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.254 min
Lab File: VU058246.D
Acq: 28 Mar 2024 17:52

Tgt Ion:129 Resp: 2205629

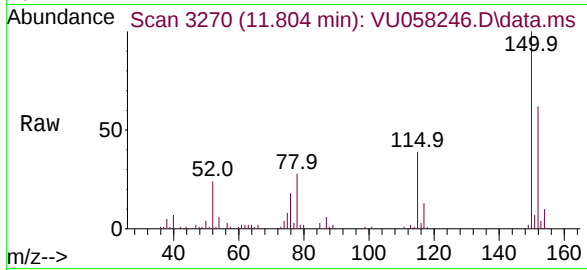
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.7	103.5#





#61
1,2,3-Trichloropropane
Concen: 1.585 ug/L
RT: 11.804 min Scan# 31
Delta R.T. 0.987 min
Lab File: VU058246.D
Acq: 28 Mar 2024 17:52

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 4083
Ion Ratio Lower Upper
75 100
110 0.0 28.1 42.1#
77 35.2 25.1 37.7

