

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032824\
 Data File : VU058245.D
 Acq On : 28 Mar 2024 17:28
 Operator : MD/SY
 Sample : P1902-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 29 01:12:20 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)

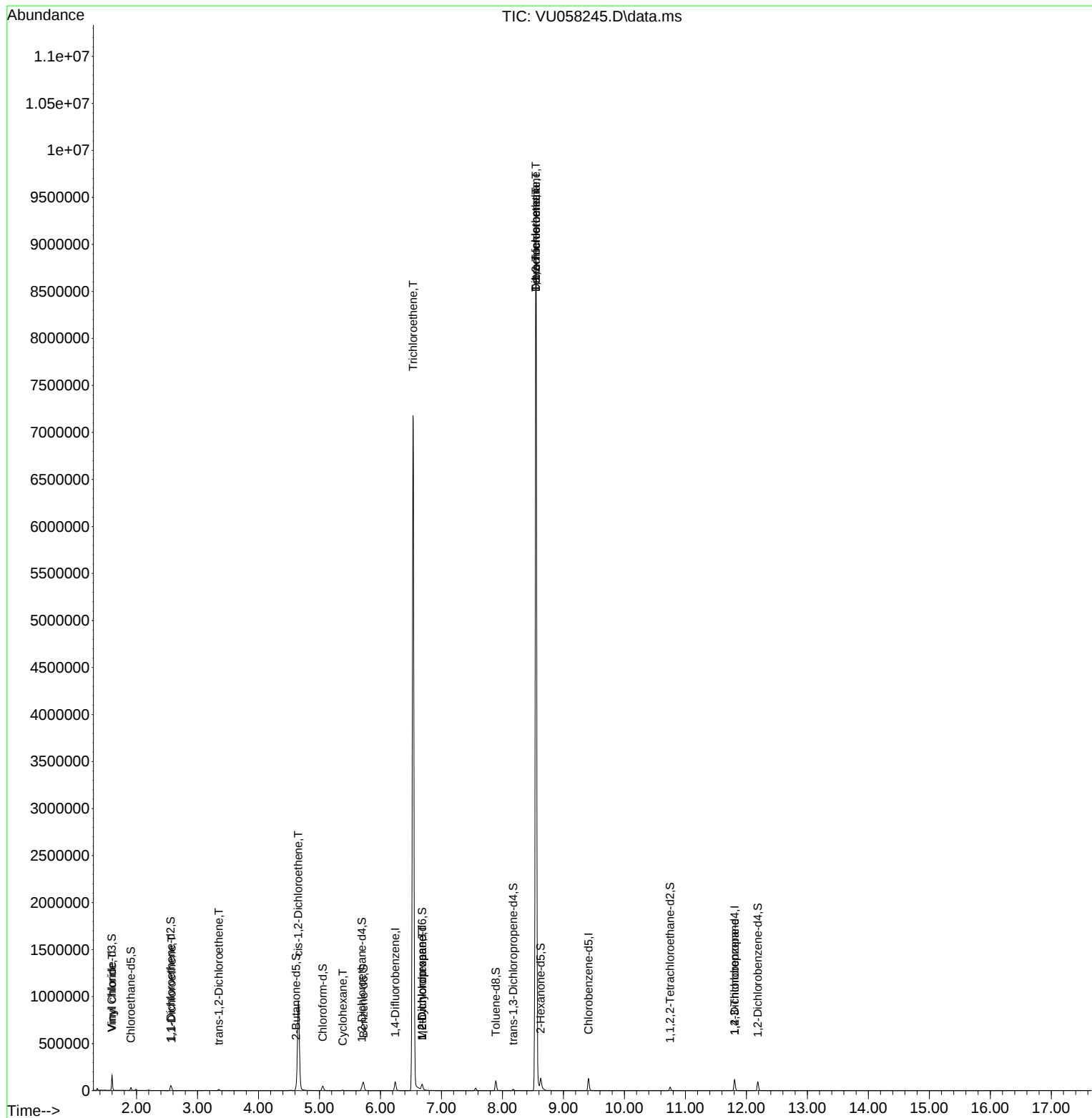
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	73109	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	71732	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	30174	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	20649	3.342	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.800%
7) Chloroethane-d5	1.907	69	19933	3.953	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.000%
11) 1,1-Dichloroethene-d2	2.560	65	8520	3.322	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.400%
20) 2-Butanone-d5	4.618	46	49813	45.384	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.760%
24) Chloroform-d	5.052	84	44360	4.016	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
26) 1,2-Dichloroethane-d4	5.695	65	22329	4.324	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
32) Benzene-d6	5.721	84	87204	3.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.800%
36) 1,2-Dichloropropane-d6	6.682	67	27667	4.029	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.600%
41) Toluene-d8	7.891	98	70607	3.421	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.400%#
43) trans-1,3-Dichloroprop...	8.177	79	8049	3.658	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.200%
46) 2-Hexanone-d5	8.627	63	40321	45.253	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.500%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	19484	4.356	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	25173	4.480	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	85801	20.471	ug/L	97
12) 1,1-Dichloroethene	2.576	96	6279	1.713	ug/L #	80
18) trans-1,2-Dichloroethene	3.351	96	4631	1.209	ug/L	93
22) cis-1,2-Dichloroethene	4.653	96	484915	102.450	ug/L	96
30) Cyclohexane	5.380	56	2574	0.397	ug/L	92
34) Trichloroethene	6.534	95	2410538	491.110	ug/L	97
35) Methylcyclohexane	6.682	83	6981	1.020	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	3047	0.579	ug/L #	90
45) 1,1,2-Trichloroethane	8.550	97	18712	5.644	ug/L #	1
47) Tetrachloroethene	8.550	164	1847059	561.823	ug/L	96
49) Dibromochloromethane	8.550	129	1955070	538.979	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	4205	1.664	ug/L #	66

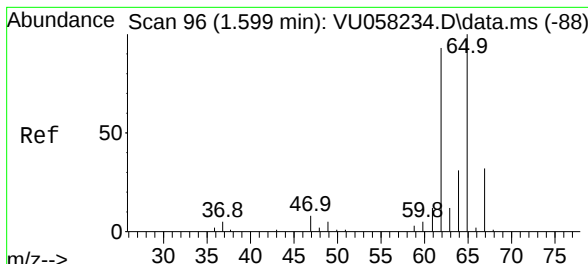
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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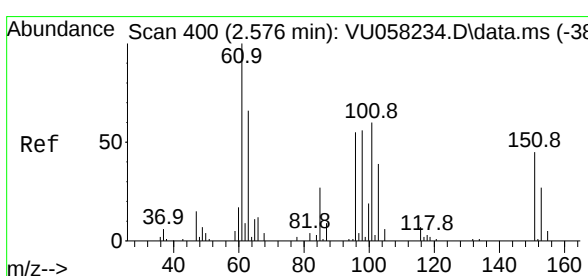
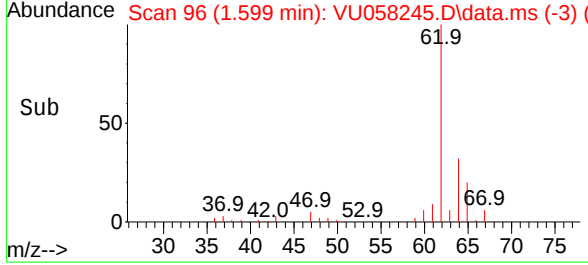
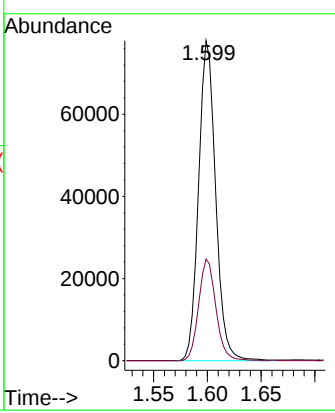
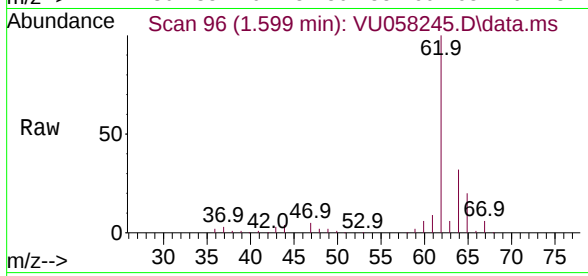


#5
 Vinyl chloride
 Concen: 20.471 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.000 min
 Lab File: VU058245.D
 Acq: 28 Mar 2024 17:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 62 Resp: 85801

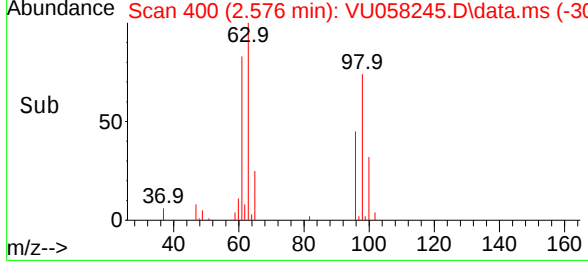
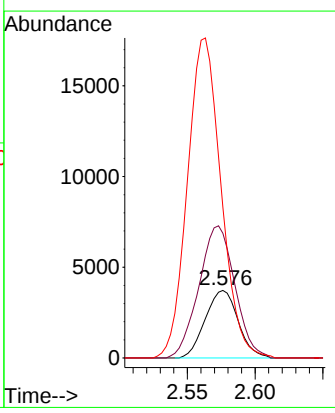
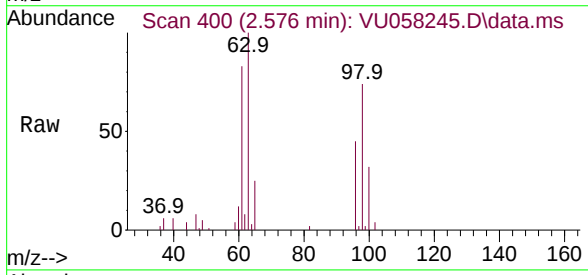
Ion	Ratio	Lower	Upper
62	100		
64	31.8	23.4	43.6

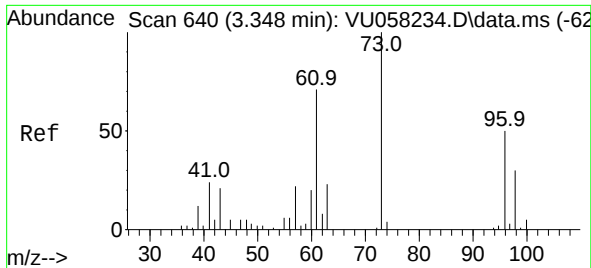


#12
 1,1-Dichloroethene
 Concen: 1.713 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU058245.D
 Acq: 28 Mar 2024 17:28

Tgt Ion: 96 Resp: 6279

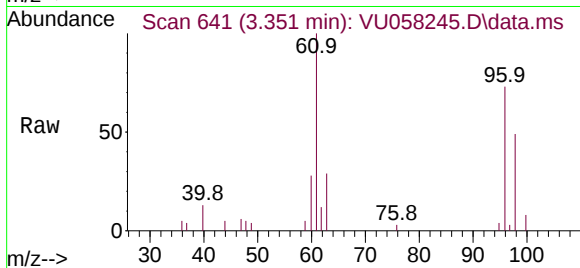
Ion	Ratio	Lower	Upper
96	100		
61	184.6	128.1	237.9
63	223.1	116.8	217.0



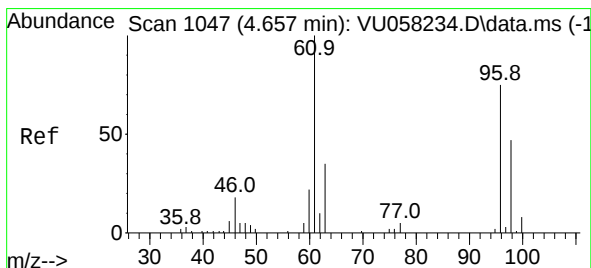
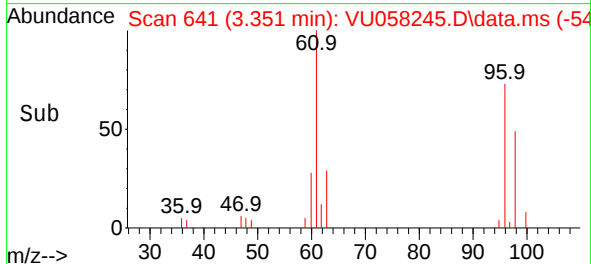
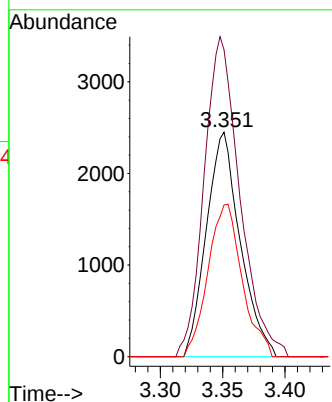


#18
trans-1,2-Dichloroethene
Concen: 1.209 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU058245.D
Acq: 28 Mar 2024 17:28

Instrument :
MSVOA_U
ClientSampleId :

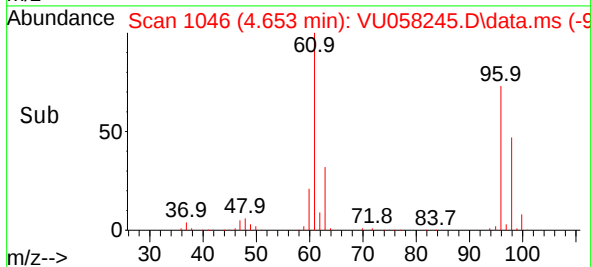
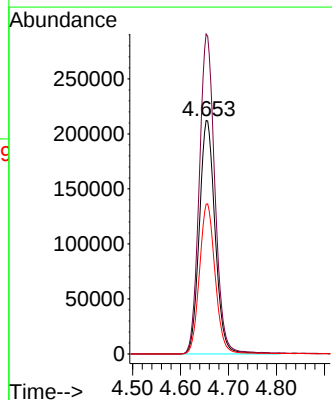
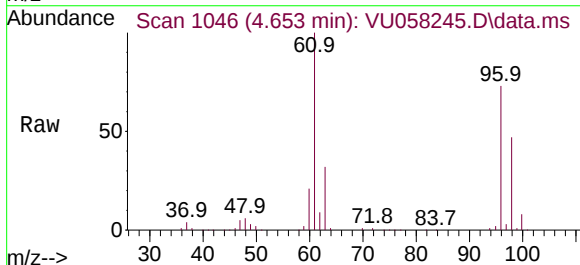


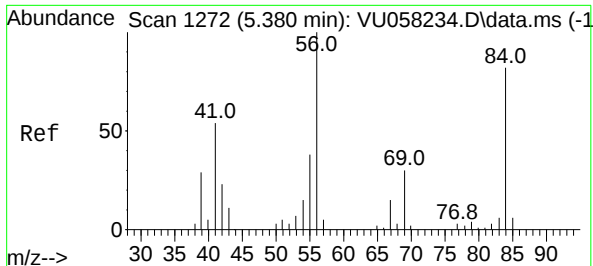
Tgt Ion: 96 Resp: 4631
Ion Ratio Lower Upper
96 100
61 136.7 102.5 190.3
98 67.6 44.0 81.8



#22
cis-1,2-Dichloroethene
Concen: 102.450 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU058245.D
Acq: 28 Mar 2024 17:28

Tgt Ion: 96 Resp: 484915
Ion Ratio Lower Upper
96 100
61 137.0 92.8 172.4
98 64.1 43.2 80.2





#30

Cyclohexane

Concen: 0.397 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VU058245.D

Acq: 28 Mar 2024 17:28

Instrument :

MSVOA_U

ClientSampleId :

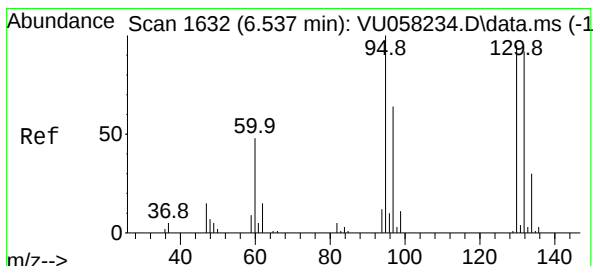
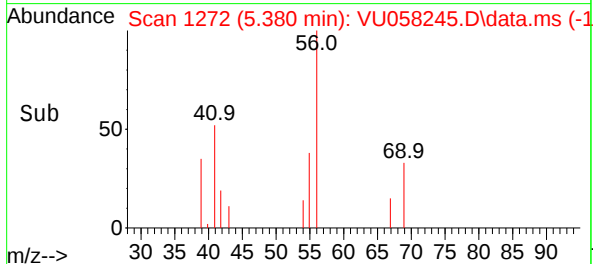
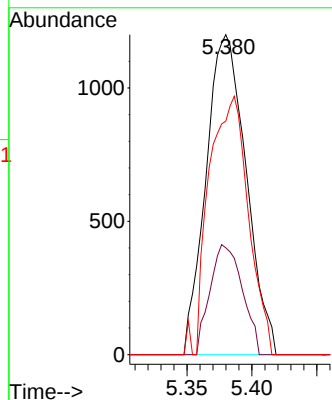
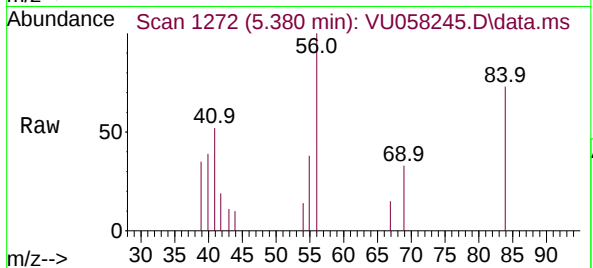
Tgt Ion: 56 Resp: 2574

Ion Ratio Lower Upper

56 100

69 27.7 24.2 36.2

84 79.2 69.7 104.5



#34

Trichloroethene

Concen: 491.110 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. -0.003 min

Lab File: VU058245.D

Acq: 28 Mar 2024 17:28

Tgt Ion: 95 Resp: 2410538

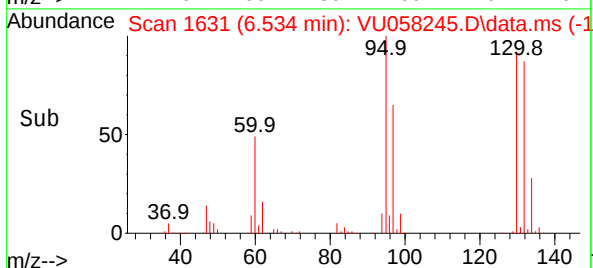
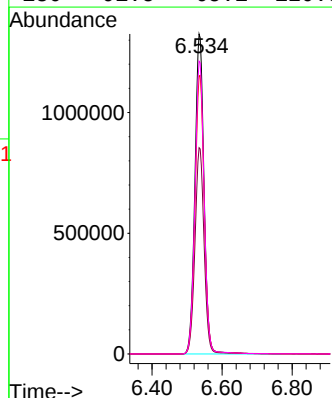
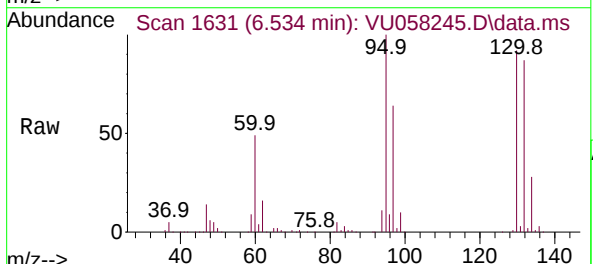
Ion Ratio Lower Upper

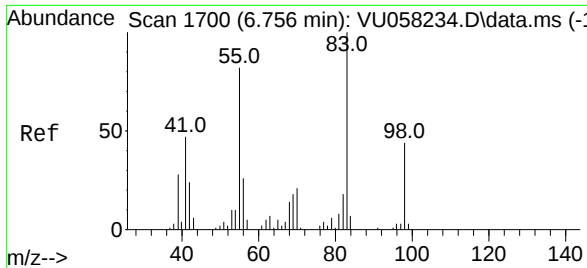
95 100

97 64.5 47.7 88.7

132 86.8 63.6 118.2

130 91.5 65.1 120.9





#35

Methylcyclohexane

Concen: 1.020 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU058245.D

Acq: 28 Mar 2024 17:28

Instrument :

MSVOA_U

ClientSampleId :

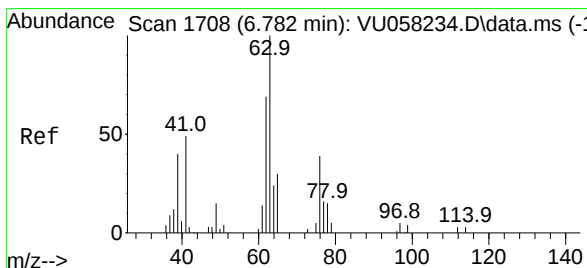
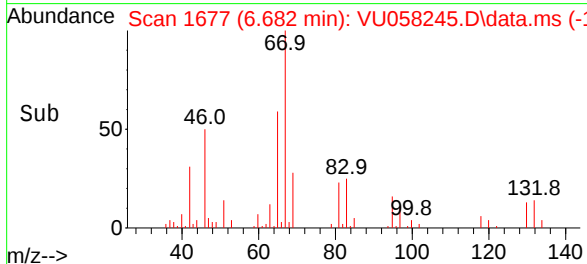
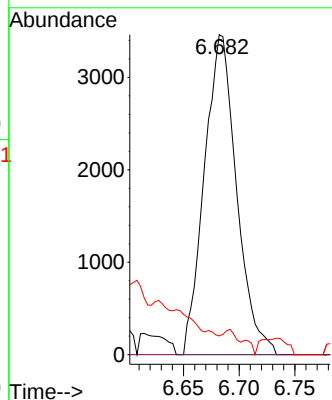
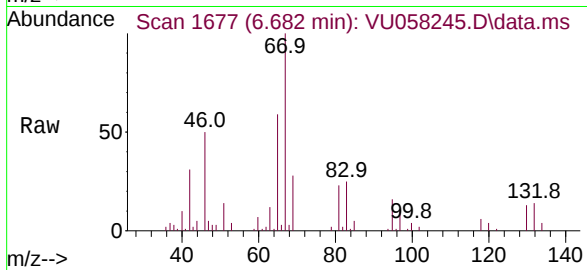
Tgt Ion: 83 Resp: 6981

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: 6.682 min Scan# 1677

Delta R.T. -0.100 min

Lab File: VU058245.D

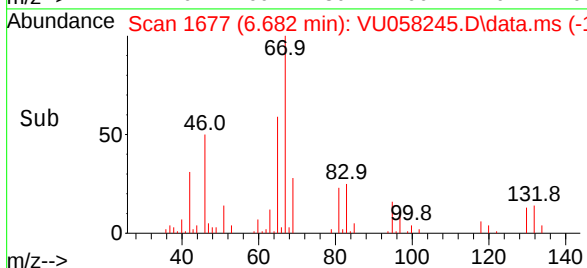
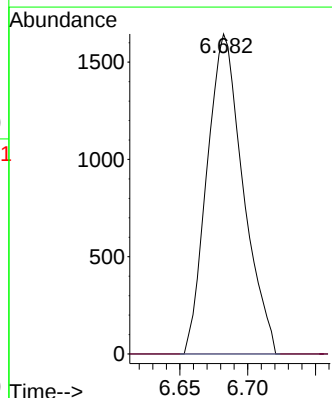
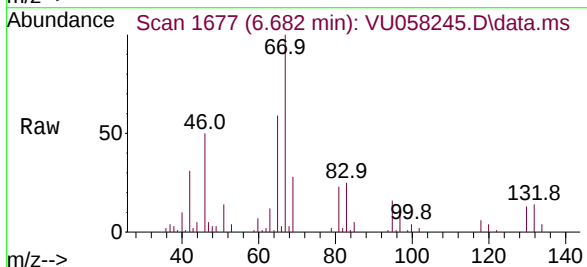
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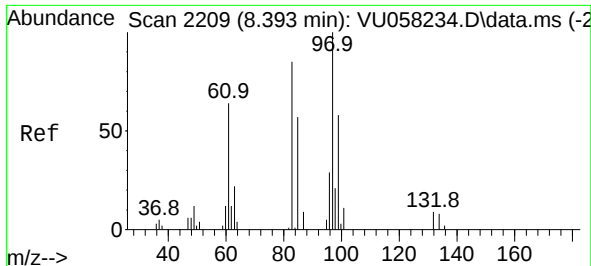
Tgt Ion: 63 Resp: 3047

Ion Ratio Lower Upper

63 100

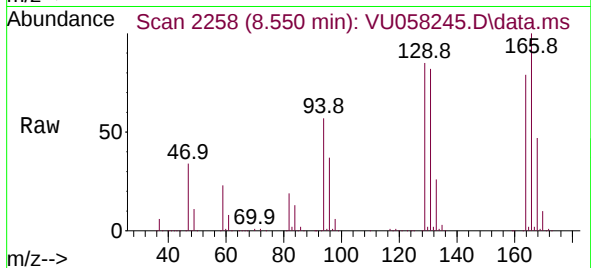
112 0.0 2.7 4.1#



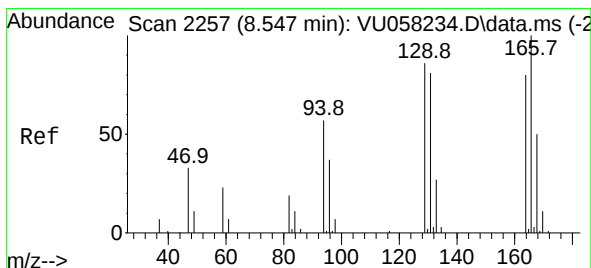
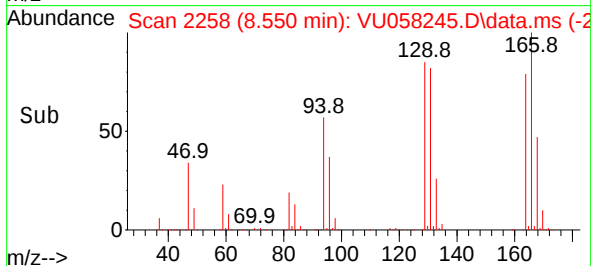
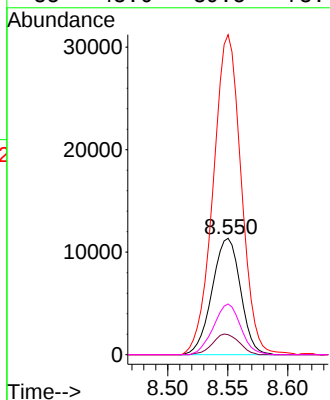


#45
1,1,2-Trichloroethane
Concen: 5.644 ug/L
RT: 8.550 min Scan# 2209
Delta R.T. 0.158 min
Lab File: VU058245.D
Acq: 28 Mar 2024 17:28

Instrument :
MSVOA_U
ClientSampleId :

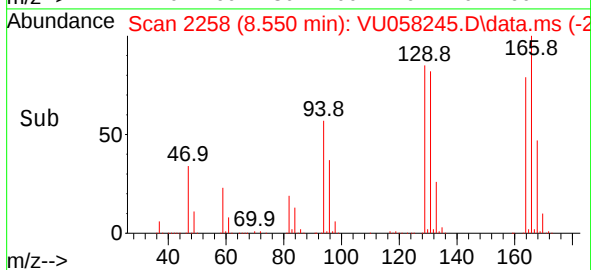
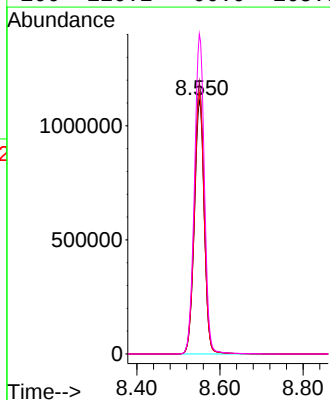
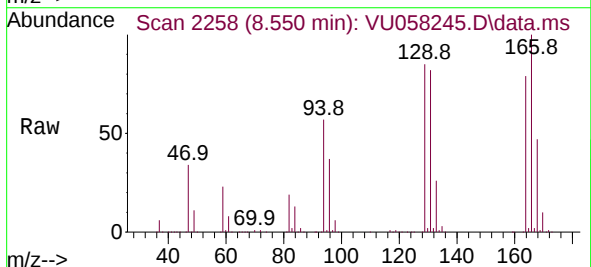


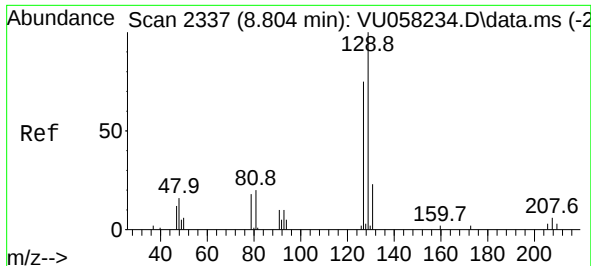
Tgt Ion: 97	Resp: 18712
Ion Ratio	Lower Upper
97	100
99	17.2 44.5 82.7#
83	275.2 64.1 119.1#
85	43.6 39.5 73.4



#47
Tetrachloroethene
Concen: 561.823 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU058245.D
Acq: 28 Mar 2024 17:28

Tgt Ion:164	Resp: 1847059
Ion Ratio	Lower Upper
164	100
129	107.4 71.3 132.3
131	103.2 70.8 131.4
166	126.2 90.9 168.9





#49

Dibromochloromethane

Concen: 538.979 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU058245.D

Acq: 28 Mar 2024 17:28

Instrument :

MSVOA_U

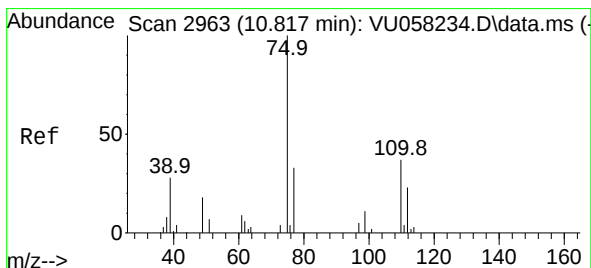
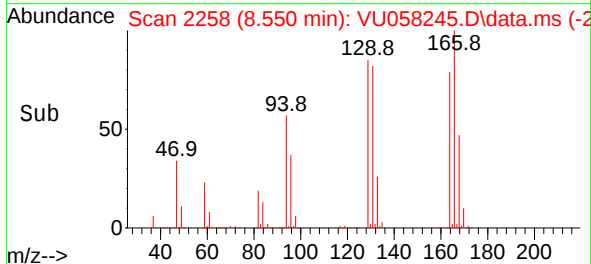
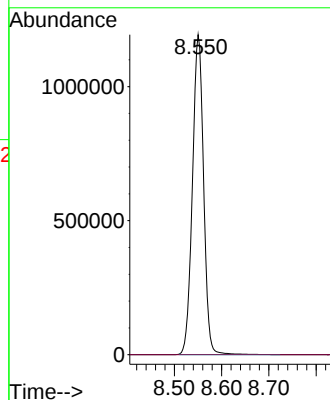
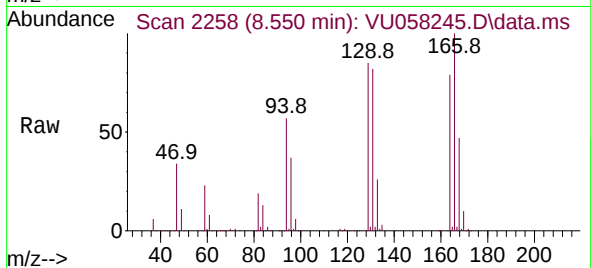
ClientSampleId :

Tgt Ion:129 Resp: 1955070

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#61

1,2,3-Trichloropropane

Concen: 1.664 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU058245.D

Acq: 28 Mar 2024 17:28

Tgt Ion: 75 Resp: 4205

Ion Ratio Lower Upper

75 100

110 0.0 28.1 42.1#

77 29.5 25.1 37.7

