

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040824\
 Data File : VU058483.D
 Acq On : 08 Apr 2024 21:20
 Operator : MD/SY
 Sample : P2013-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 09 05:50:59 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	70577	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	68418	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	30504	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	80309	17.187	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	343.800%#
7) Chloroethane-d5	1.904	69	15736	3.875	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	2.557	65	7397	3.498	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.000%
20) 2-Butanone-d5	4.640	46	73528	74.670	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	149.340%#
24) Chloroform-d	5.052	84	43803	4.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
26) 1,2-Dichloroethane-d4	5.695	65	21963	5.045	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	5.717	84	77736	4.220	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	6.682	67	27907	4.831	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.600%
41) Toluene-d8	7.891	98	62313	3.815	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.200%
43) trans-1,3-Dichloroprop...	8.174	79	8263	4.608	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.630	63	39865	53.902	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.800%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	21090	5.172	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	24091	4.689	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.631	85	919	0.156	ug/L	94
3) Chloromethane	1.592	50	59912	8.322	ug/L #	44
5) Vinyl chloride	1.595	62	8372059	1164.378	ug/L	98
8) Chloroethane	1.917	64	799	0.176	ug/L #	42
12) 1,1-Dichloroethene	2.570	96	8739	1.747	ug/L #	70
14) Carbon disulfide	2.795	76	2745	0.173	ug/L	97
15) Methyl Acetate	2.949	43	568	0.286	ug/L #	55
17) Methyl tert-butyl Ether	3.354	73	4059	0.344	ug/L #	78
18) trans-1,2-Dichloroethene	3.345	96	12107	2.310	ug/L	96
22) cis-1,2-Dichloroethene	4.653	96	10047031	1706.666	ug/L	94
33) Benzene	5.769	78	8966	0.362	ug/L	100
34) Trichloroethene	6.534	95	5587	0.894	ug/L	96
37) 1,2-Dichloropropane	6.682	63	3132	0.480	ug/L #	90
42) Toluene	7.968	91	3577	0.138	ug/L	95
47) Tetrachloroethene	8.547	164	8174	1.784	ug/L	91
49) Dibromochloromethane	8.547	129	7877	1.788	ug/L #	11
60) Isopropylbenzene	10.479	105	2145	0.096	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	3070	0.311	ug/L	92

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

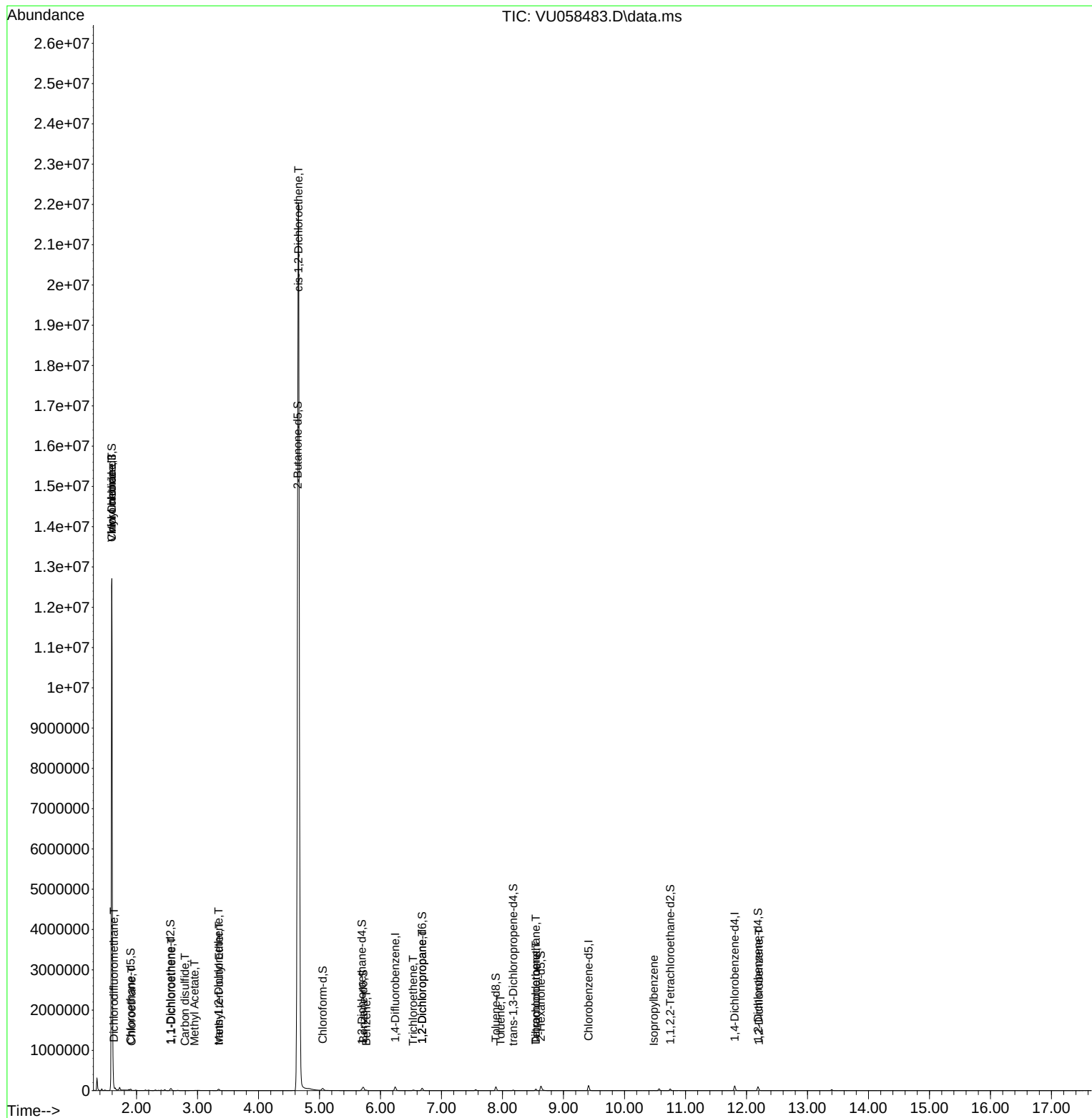
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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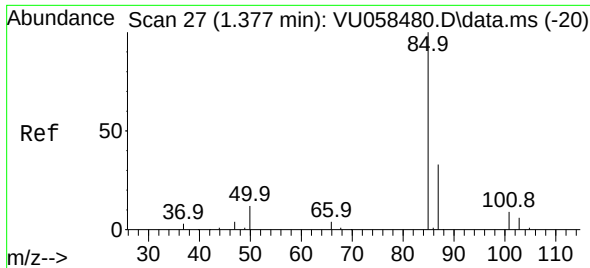
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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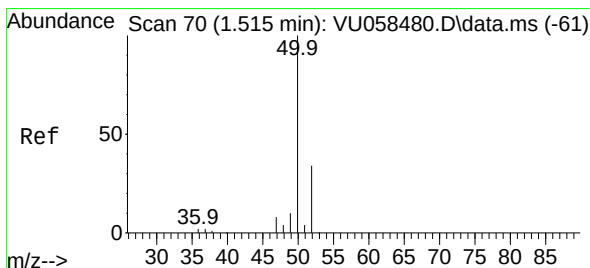
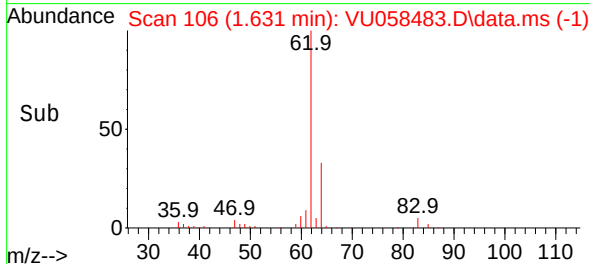
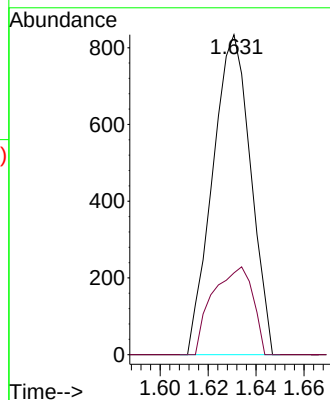
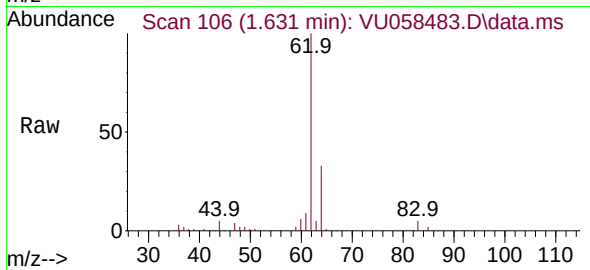




#2
 Dichlorodifluoromethane
 Concen: 0.156 ug/L
 RT: 1.631 min Scan# 106
 Delta R.T. 0.254 min
 Lab File: VU058483.D
 Acq: 08 Apr 2024 21:20

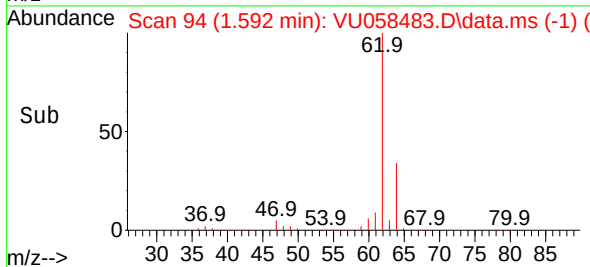
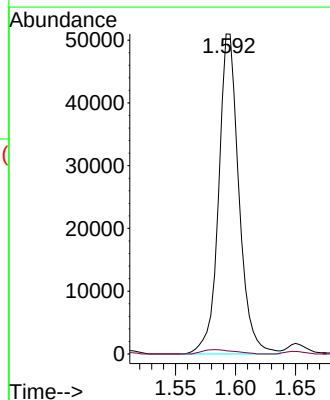
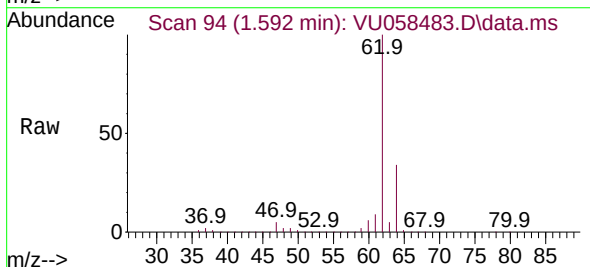
Instrument :
 MSVOA_U
 ClientSampleId :

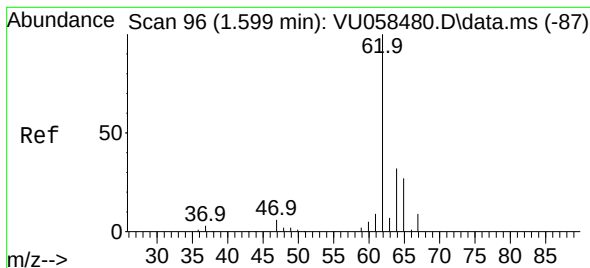
Tgt Ion: 85 Resp: 919
 Ion Ratio Lower Upper
 85 100
 87 29.1 25.9 38.9



#3
 Chloromethane
 Concen: 8.322 ug/L
 RT: 1.592 min Scan# 94
 Delta R.T. 0.077 min
 Lab File: VU058483.D
 Acq: 08 Apr 2024 21:20

Tgt Ion: 50 Resp: 59912
 Ion Ratio Lower Upper
 50 100
 52 1.0 22.6 42.0#





#5

Vinyl chloride

Concen: 1164.378 ug/L

RT: 1.595 min Scan# 90

Delta R.T. -0.003 min

Lab File: VU058483.D

Acq: 08 Apr 2024 21:20

Instrument :

MSVOA_U

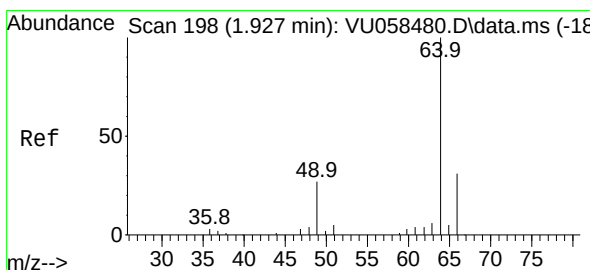
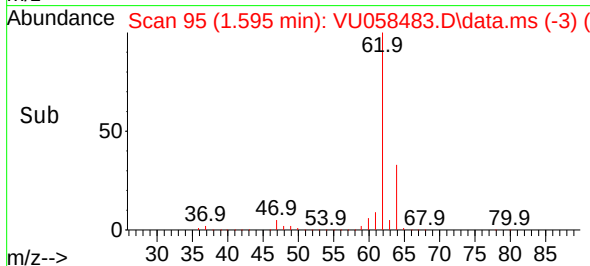
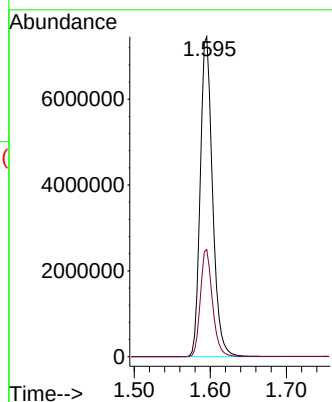
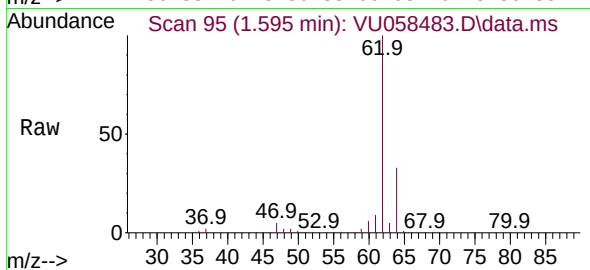
ClientSampleId :

Tgt Ion: 62 Resp: 8372059

Ion Ratio Lower Upper

62 100

64 33.5 22.6 42.0



#8

Chloroethane

Concen: 0.176 ug/L

RT: 1.917 min Scan# 195

Delta R.T. -0.010 min

Lab File: VU058483.D

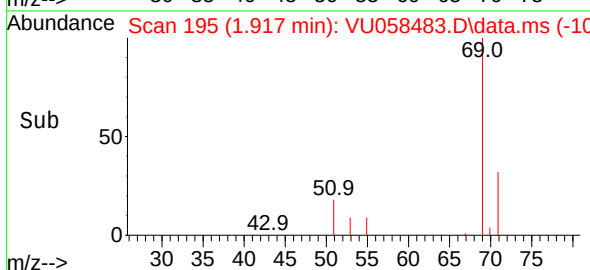
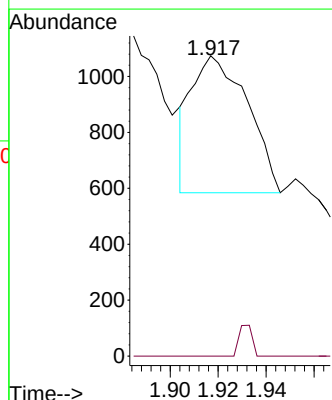
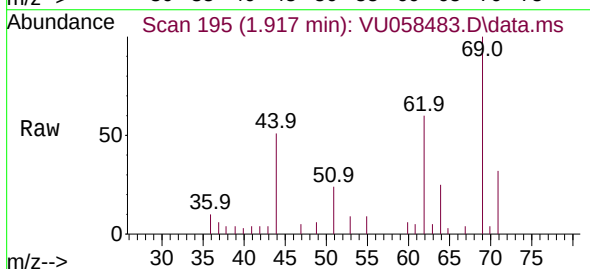
Acq: 08 Apr 2024 21:20

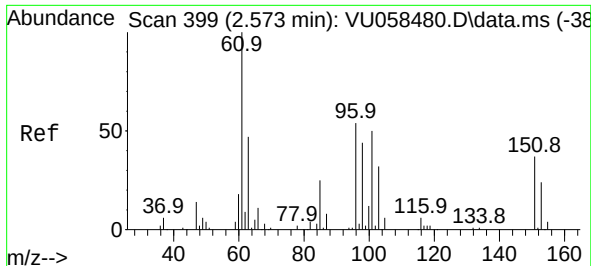
Tgt Ion: 64 Resp: 799

Ion Ratio Lower Upper

64 100

66 0.0 22.5 41.9#

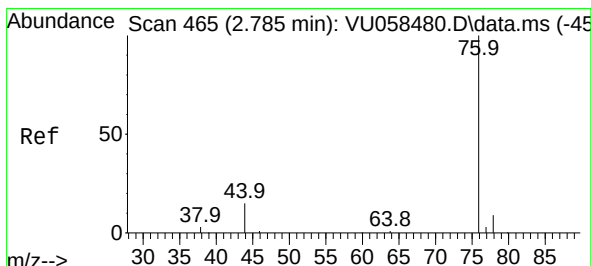
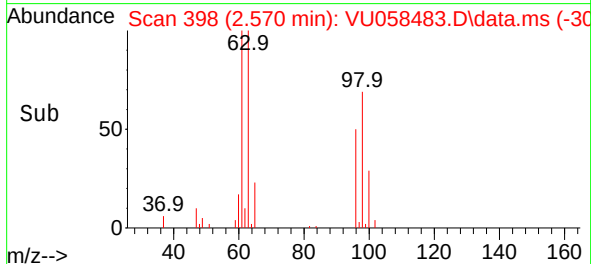
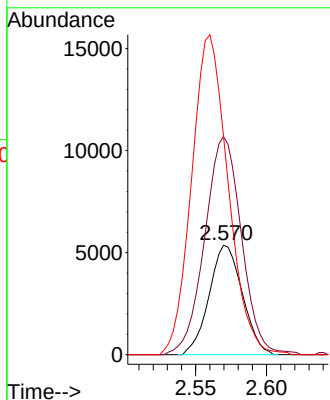
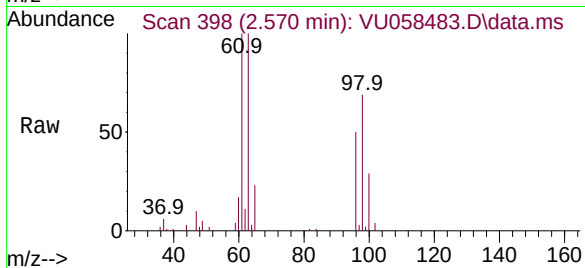




#12
1,1-Dichloroethene
Concen: 1.747 ug/L
RT: 2.570 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU058483.D
Acq: 08 Apr 2024 21:20

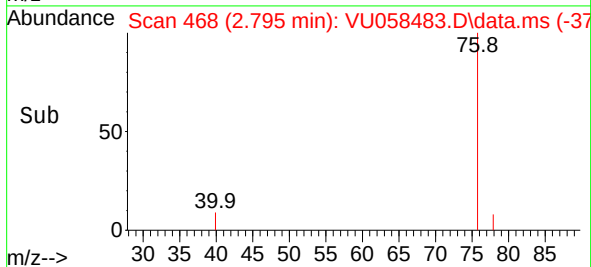
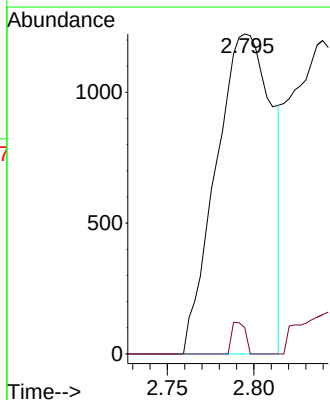
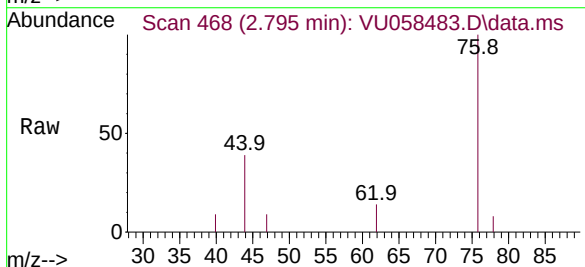
Instrument :
MSVOA_U
ClientSampleId :

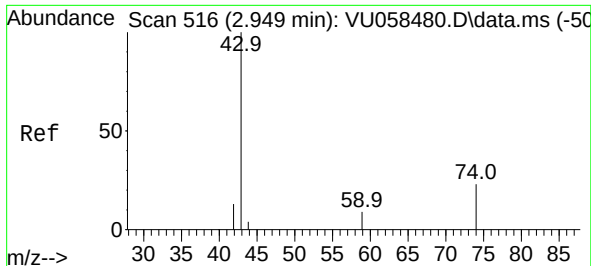
Tgt Ion: 96 Resp: 8739
Ion Ratio Lower Upper
96 100
61 199.4 132.5 246.1
63 200.0 87.7 162.9#



#14
Carbon disulfide
Concen: 0.173 ug/L
RT: 2.795 min Scan# 468
Delta R.T. 0.009 min
Lab File: VU058483.D
Acq: 08 Apr 2024 21:20

Tgt Ion: 76 Resp: 2745
Ion Ratio Lower Upper
76 100
78 8.2 7.5 11.3





#15

Methyl Acetate

Concen: 0.286 ug/L

RT: 2.949 min Scan# 516

Delta R.T. -0.000 min

Lab File: VU058483.D

Acq: 08 Apr 2024 21:20

Instrument :

MSVOA_U

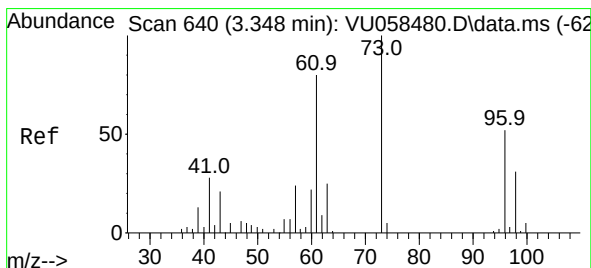
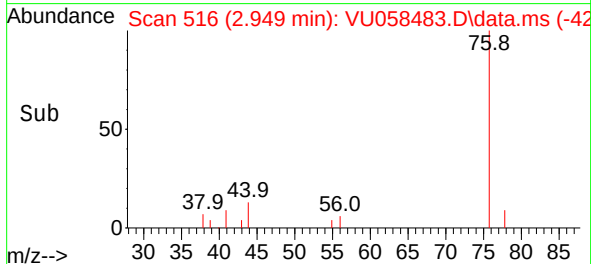
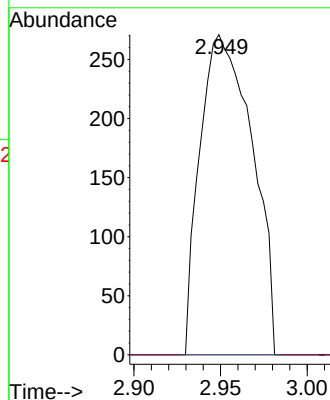
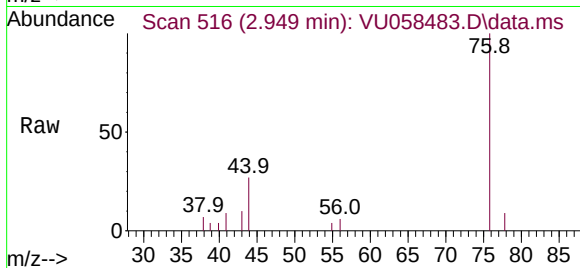
ClientSampleId :

Tgt Ion: 43 Resp: 568

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#



#17

Methyl tert-butyl Ether

Concen: 0.344 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.006 min

Lab File: VU058483.D

Acq: 08 Apr 2024 21:20

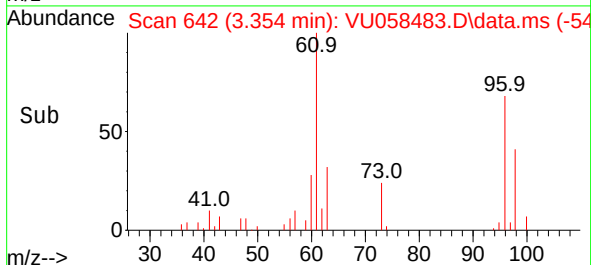
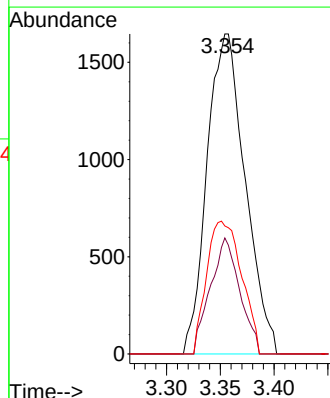
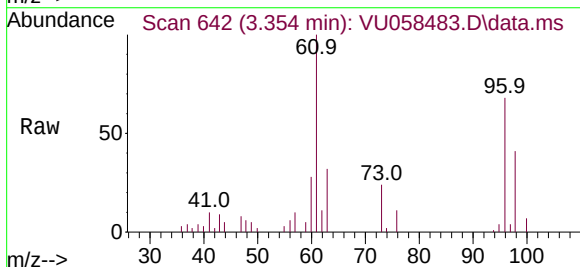
Tgt Ion: 73 Resp: 4059

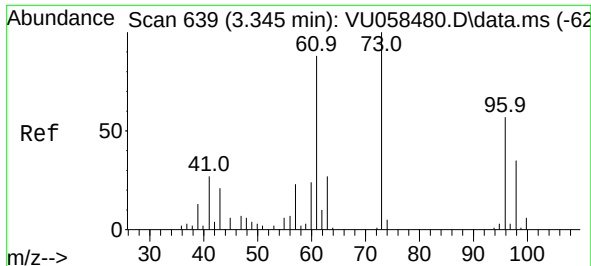
Ion Ratio Lower Upper

73 100

43 28.1 17.4 26.2#

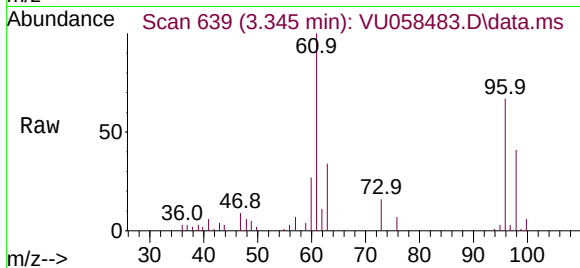
57 38.0 18.6 27.8#



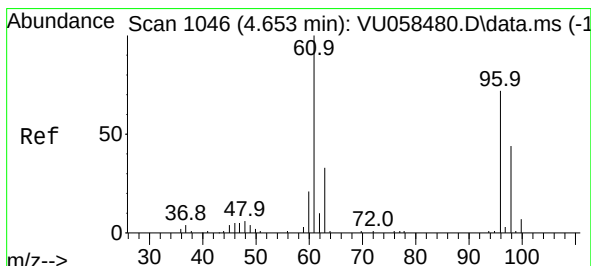
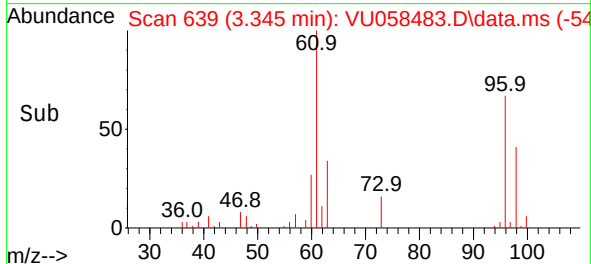
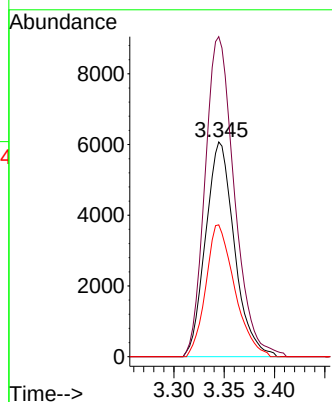


#18
trans-1,2-Dichloroethene
Concen: 2.310 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.000 min
Lab File: VU058483.D
Acq: 08 Apr 2024 21:20

Instrument :
MSVOA_U
ClientSampleId :

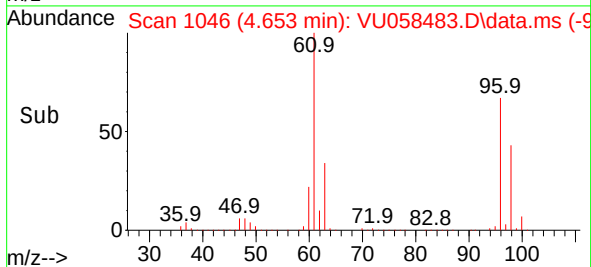
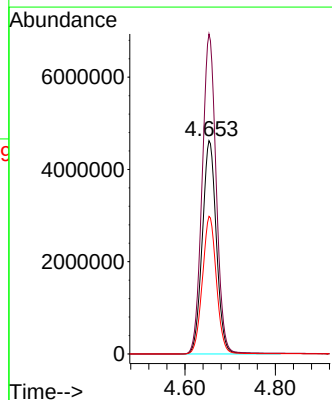
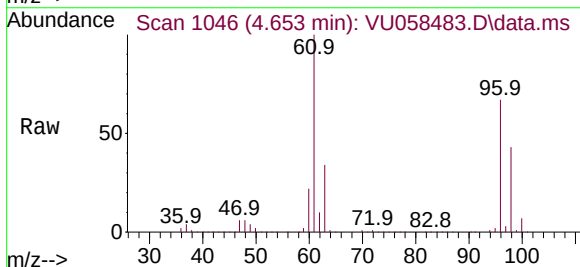


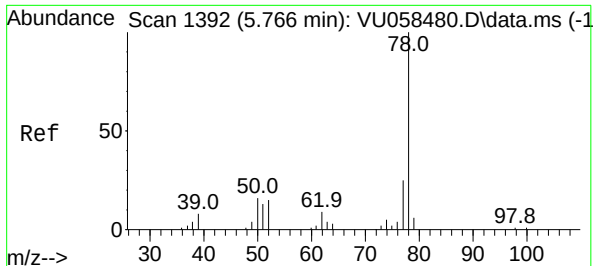
Tgt Ion: 96 Resp: 12107
Ion Ratio Lower Upper
96 100
61 149.0 107.6 199.8
98 61.3 45.1 83.7



#22
cis-1,2-Dichloroethene
Concen: 1706.666 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.000 min
Lab File: VU058483.D
Acq: 08 Apr 2024 21:20

Tgt Ion: 96 Resp:10047031
Ion Ratio Lower Upper
96 100
61 150.0 98.1 182.3
98 64.5 43.6 81.0





#33

Benzene

Concen: 0.362 ug/L

RT: 5.769 min Scan# 1392

Delta R.T. 0.003 min

Lab File: VU058483.D

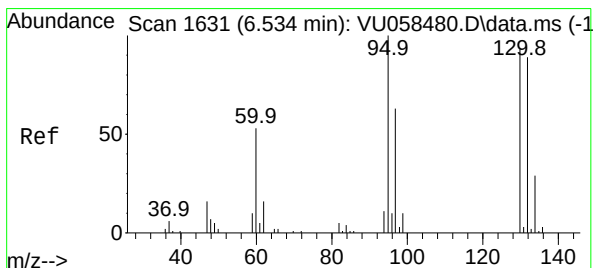
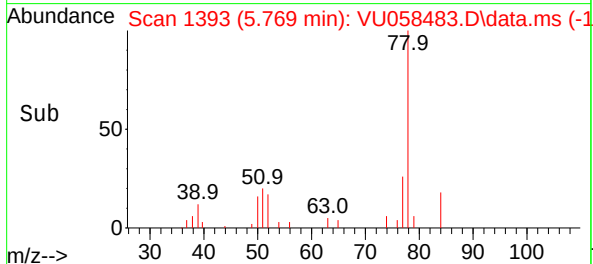
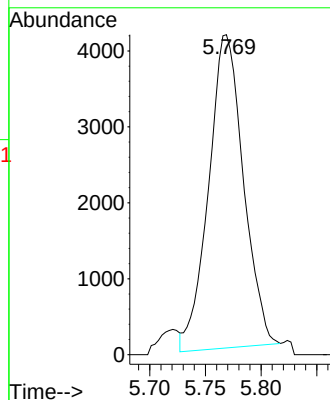
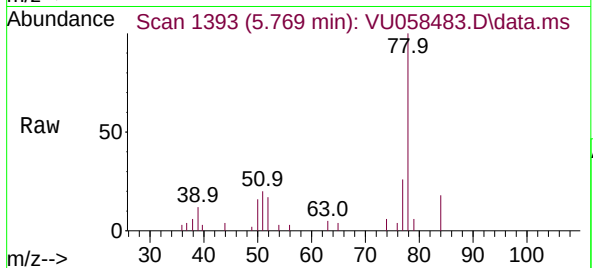
Acq: 08 Apr 2024 21:20

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 8966



#34

Trichloroethene

Concen: 0.894 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. -0.000 min

Lab File: VU058483.D

Acq: 08 Apr 2024 21:20

Tgt Ion: 95 Resp: 5587

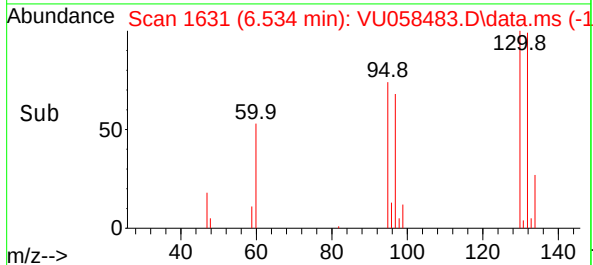
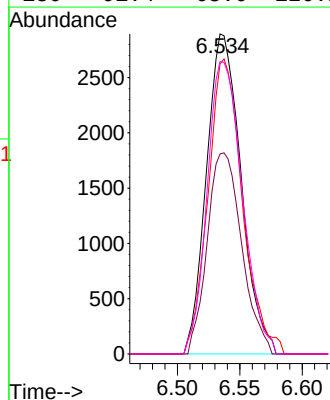
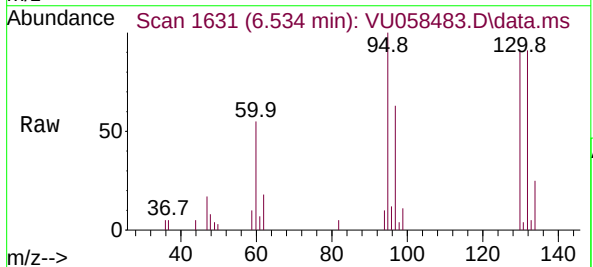
Ion Ratio Lower Upper

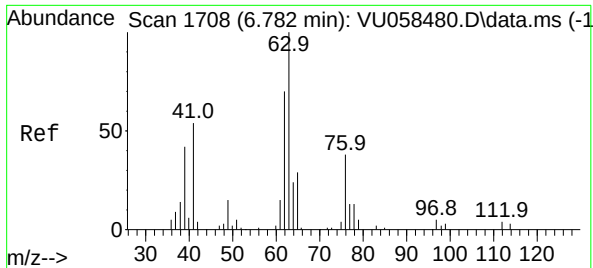
95 100

97 62.5 45.6 84.6

132 90.6 64.8 120.3

130 91.4 68.0 126.2

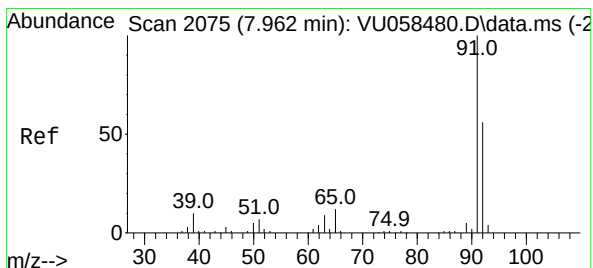
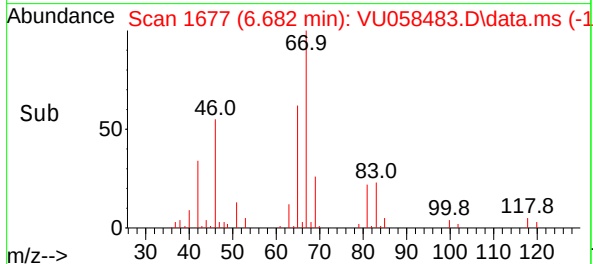
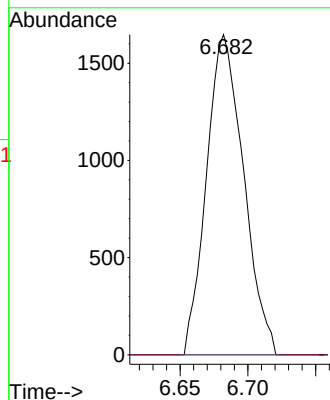
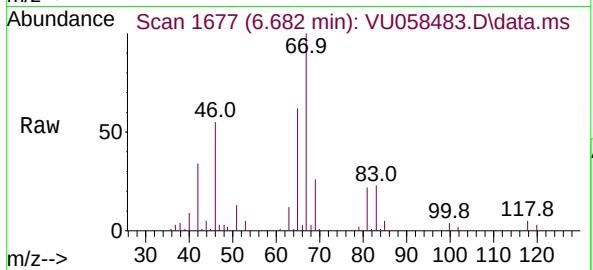




#37
1,2-Dichloropropane
Concen: 0.480 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU058483.D
Acq: 08 Apr 2024 21:20

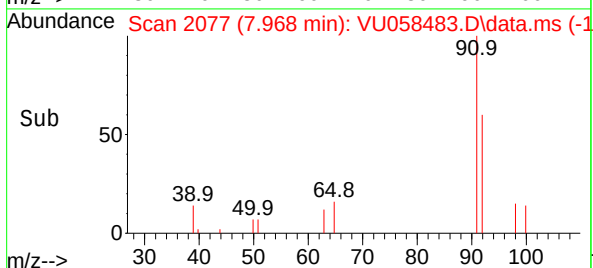
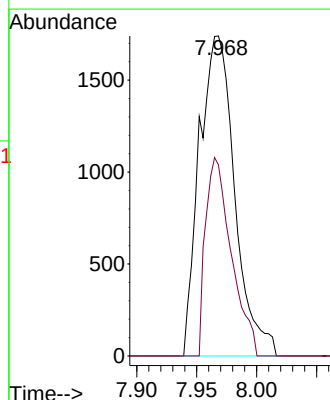
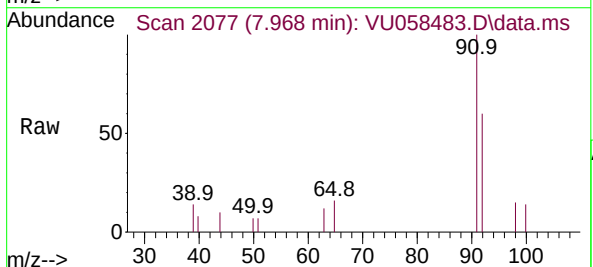
Instrument :
MSVOA_U
ClientSampleId :

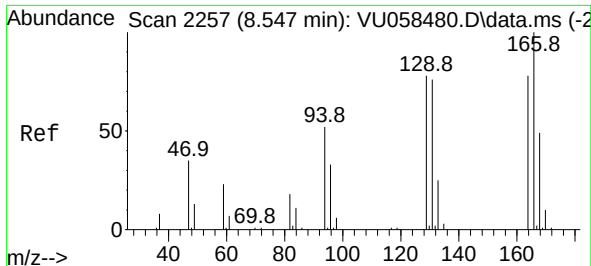
Tgt Ion: 63 Resp: 3132
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



#42
Toluene
Concen: 0.138 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.006 min
Lab File: VU058483.D
Acq: 08 Apr 2024 21:20

Tgt Ion: 91 Resp: 3577
Ion Ratio Lower Upper
91 100
92 59.7 39.5 73.3





#47

Tetrachloroethene

Concen: 1.784 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

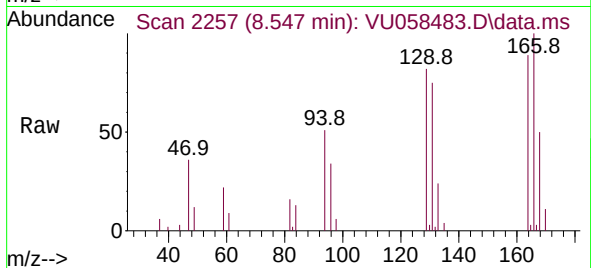
Lab File: VU058483.D

Acq: 08 Apr 2024 21:20

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 8174

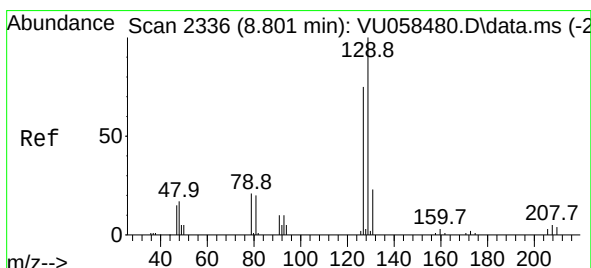
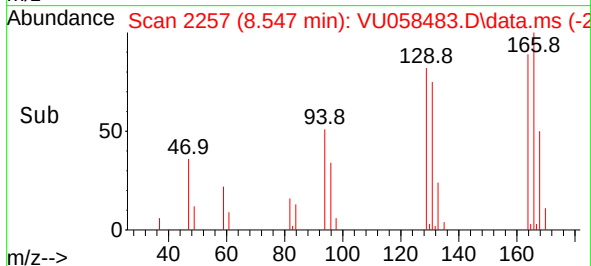
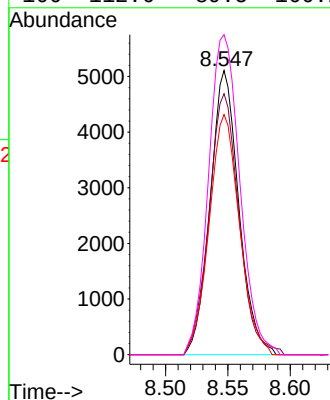
Ion Ratio Lower Upper

164 100

129 91.8 67.3 125.1

131 84.5 65.5 121.6

166 112.6 89.5 166.1



#49

Dibromochloromethane

Concen: 1.788 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.254 min

Lab File: VU058483.D

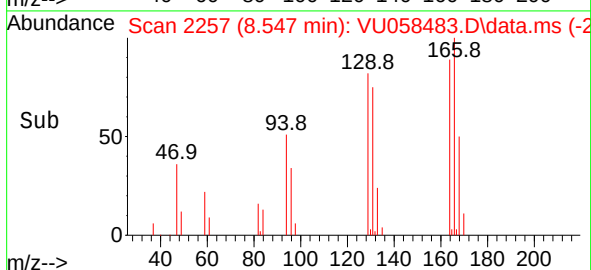
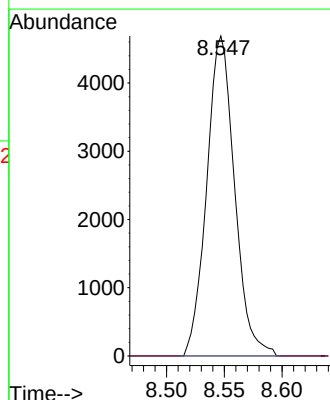
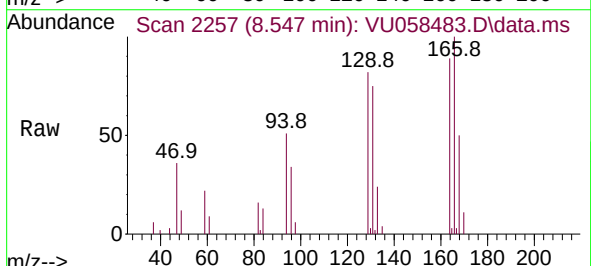
Acq: 08 Apr 2024 21:20

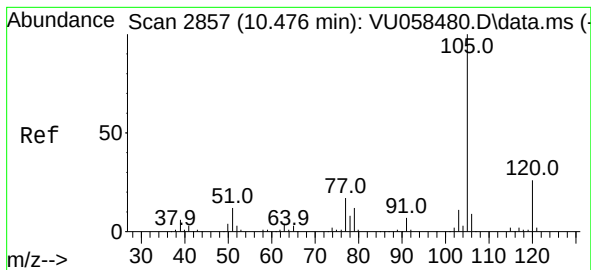
Tgt Ion:129 Resp: 7877

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#





#60

Isopropylbenzene

Concen: 0.096 ug/L

RT: 10.479 min Scan# 2145

Delta R.T. 0.003 min

Lab File: VU058483.D

Acq: 08 Apr 2024 21:20

Instrument :

MSVOA_U

ClientSampleId :

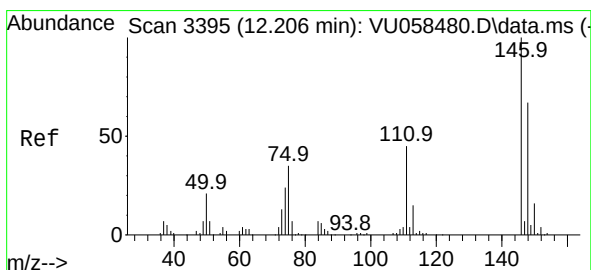
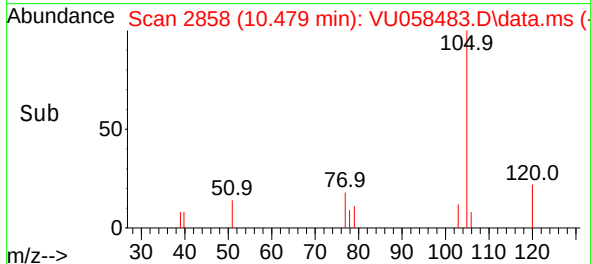
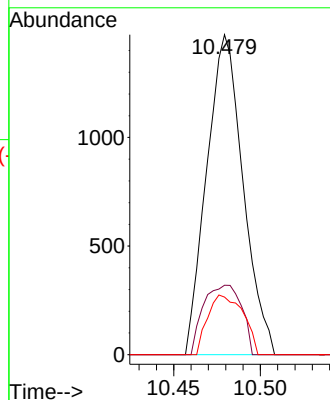
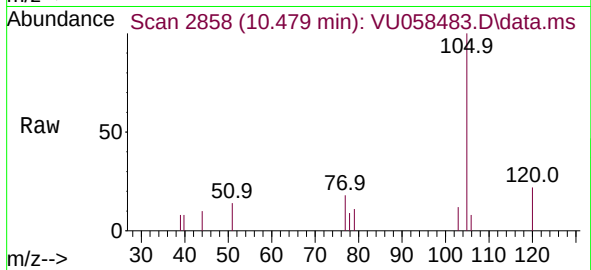
Tgt Ion:105 Resp: 2145

Ion Ratio Lower Upper

105 100

120 22.8 20.2 30.4

77 18.2 13.5 20.3



#67

1,2-Dichlorobenzene

Concen: 0.311 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU058483.D

Acq: 08 Apr 2024 21:20

Tgt Ion:146 Resp: 3070

Ion Ratio Lower Upper

146 100

111 46.8 35.0 52.4

148 58.2 52.5 78.7

