

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055253.D
 Acq On : 12 Sep 2023 17:16
 Operator : MD/SY
 Sample : 04350-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 13 01:48:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 13 01:44:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	190199	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	204184	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	99613	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	28615	3.210	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	64.200%	
7) Chloroethane-d5	1.907	69	43063	4.173	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	83.400%	
11) 1,1-Dichloroethene-d2	2.563	65	15078	2.969	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	59.400%#	
20) 2-Butanone-d5	4.624	46	137630	53.204	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	106.400%	
24) Chloroform-d	5.061	84	97493	4.122	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	82.400%	
26) 1,2-Dichloroethane-d4	5.701	65	54100	4.571	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.400%	
32) Benzene-d6	5.724	84	187263	3.715	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	74.400%	
36) 1,2-Dichloropropane-d6	6.692	67	65025	4.056	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	81.200%	
41) Toluene-d8	7.897	98	157852	3.400	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	68.000%#	
43) trans-1,3-Dichloroprop...	8.180	79	15270	3.459	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	69.200%	
46) 2-Hexanone-d5	8.630	63	89518	49.948	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	99.900%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	51972	4.610	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	92.200%	
66) 1,2-Dichlorobenzene-d4	12.193	152	61674	4.242	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	84.800%	
Target Compounds						Qvalue
3) Chloromethane	1.515	50	1823	0.162	ug/L	85
12) 1,1-Dichloroethene	2.576	96	12466	1.418	ug/L #	60
17) Methyl tert-butyl Ether	3.357	73	4465	0.194	ug/L #	90
18) trans-1,2-Dichloroethene	3.357	96	1905	0.214	ug/L	93
19) 1,1-Dichloroethane	3.865	63	5766	0.299	ug/L	95
22) cis-1,2-Dichloroethene	4.666	96	117708	10.778	ug/L	93
25) Chloroform	5.084	83	12726	0.634	ug/L	93
31) Carbon tetrachloride	5.521	117	11624	0.791	ug/L	93
34) Trichloroethene	6.540	95	124901	10.342	ug/L	96
35) Methylcyclohexane	6.692	83	15329	0.905	ug/L #	19
37) 1,2-Dichloropropane	6.692	63	8200	0.693	ug/L #	90
45) 1,1,2-Trichloroethane	8.405	97	1446	0.181	ug/L	95
47) Tetrachloroethene	8.553	164	29299	3.510	ug/L	98
48) 2-Hexanone	8.685	43	18917	3.579	ug/L #	88
49) Dibromochloromethane	8.553	129	29584	3.401	ug/L #	9
61) 1,2,3-Trichloropropane	11.810	75	13114	1.984	ug/L #	69

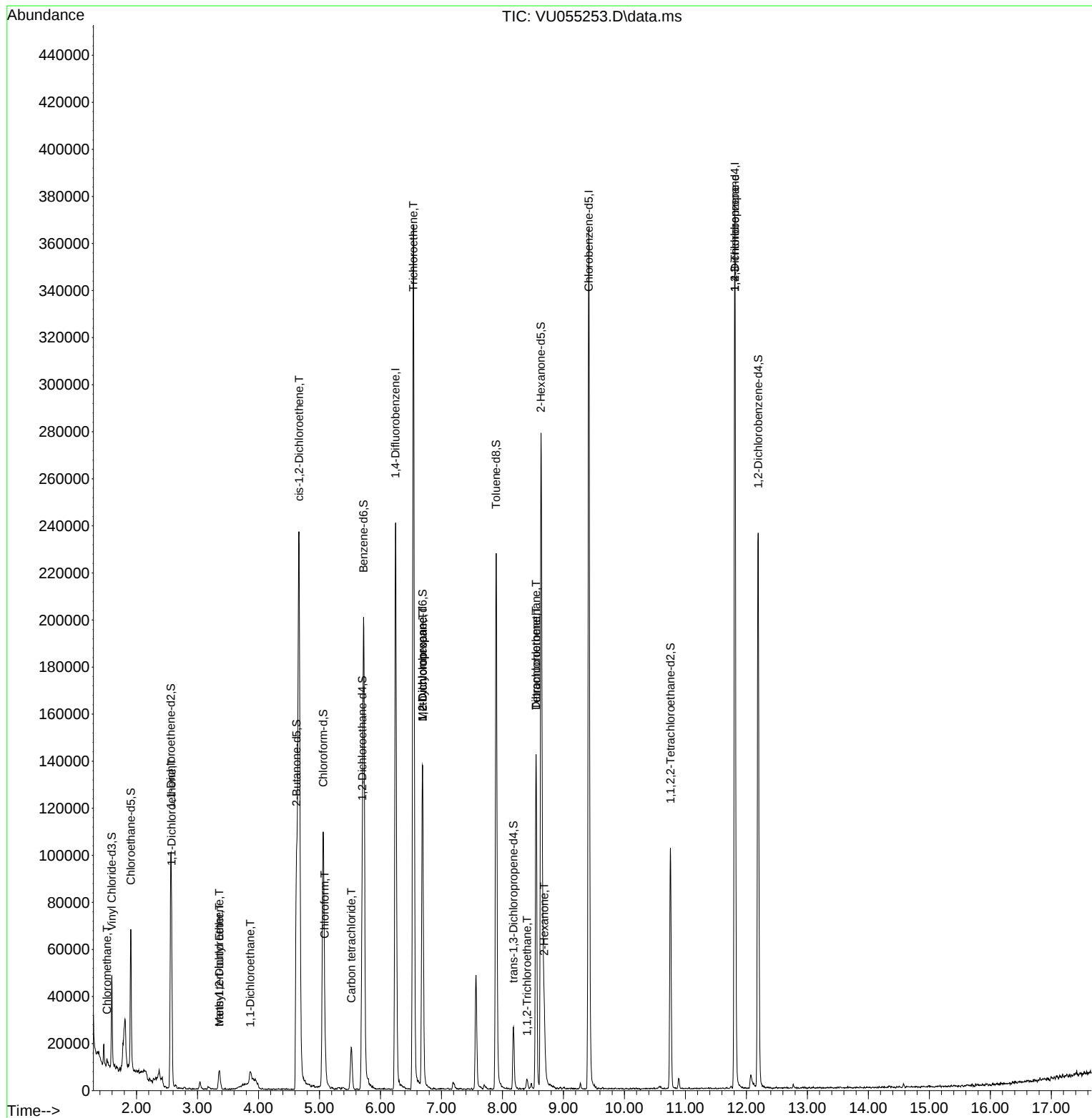
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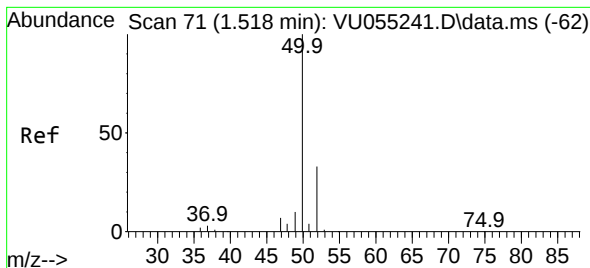
Instrument :
MSVOA_U
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
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QLast Update : Wed Sep 13 01:44:08 2023
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.162 ug/L

RT: 1.515 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU055253.D

Acq: 12 Sep 2023 17:16

Instrument :

MSVOA_U

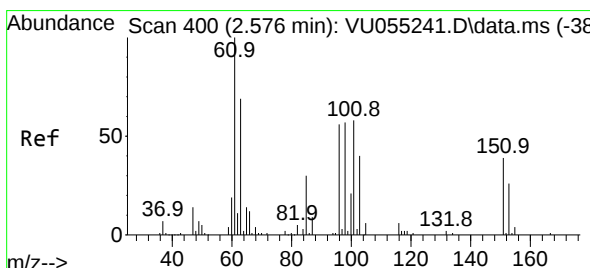
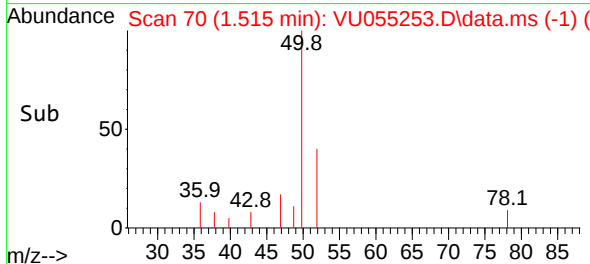
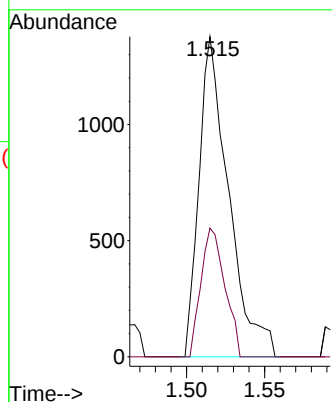
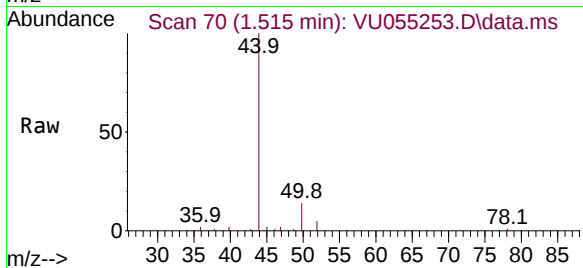
ClientSampleId :

Tgt Ion: 50 Resp: 1823

Ion Ratio Lower Upper

50 100

52 40.2 22.5 41.7



#12

1,1-Dichloroethene

Concen: 1.418 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055253.D

Acq: 12 Sep 2023 17:16

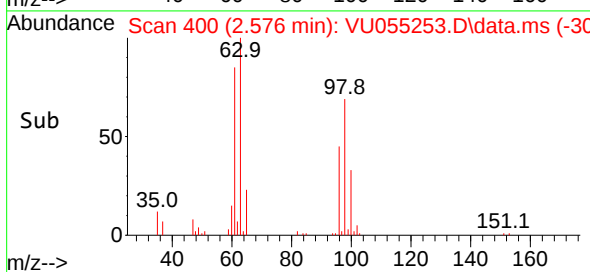
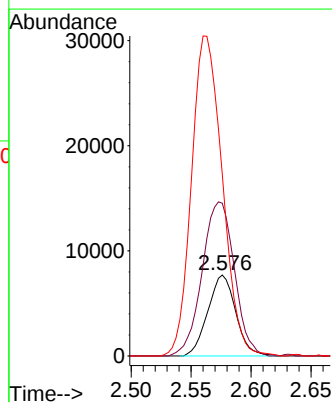
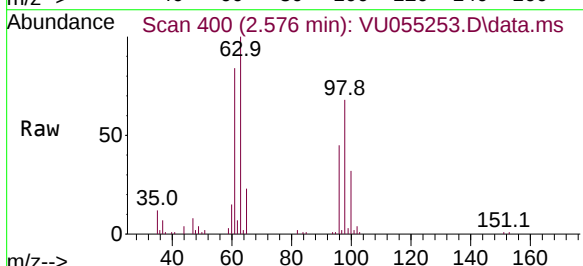
Tgt Ion: 96 Resp: 12466

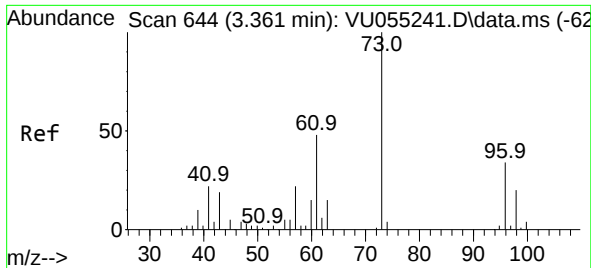
Ion Ratio Lower Upper

96 100

61 188.9 120.8 224.4

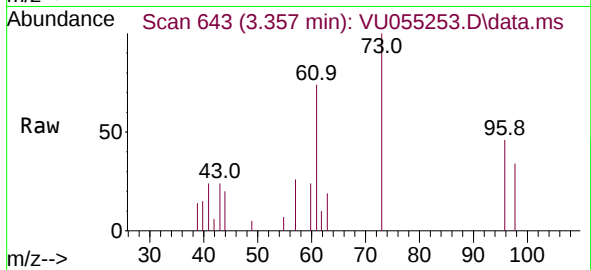
63 224.7 94.5 175.5#



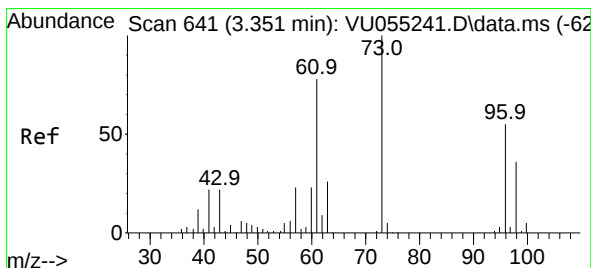
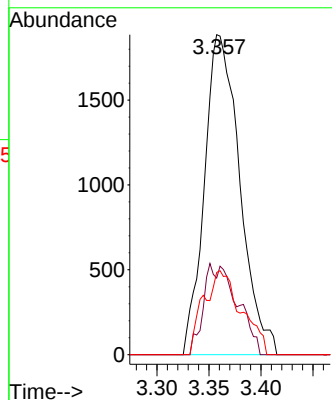
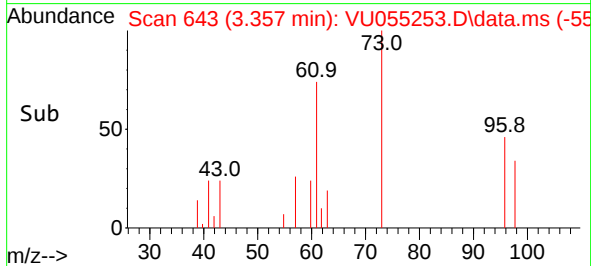


#17
Methyl tert-butyl Ether
Concen: 0.194 ug/L
RT: 3.357 min Scan# 643
Delta R.T. -0.003 min
Lab File: VU055253.D
Acq: 12 Sep 2023 17:16

Instrument :
MSVOA_U
ClientSampleId :

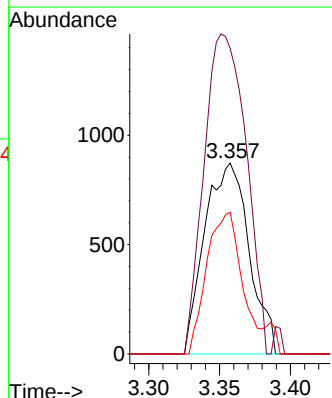
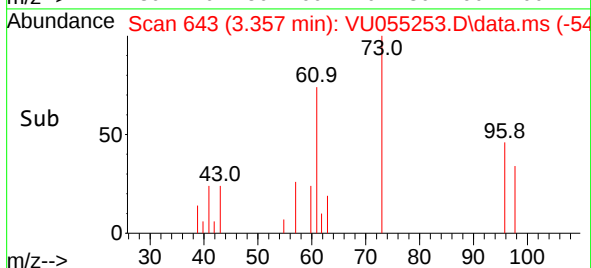
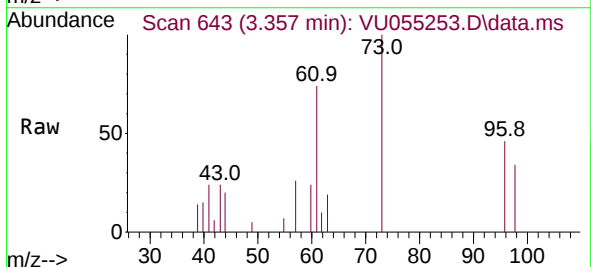


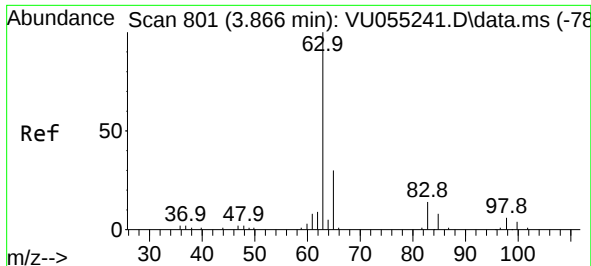
Tgt Ion: 73 Resp: 4465
Ion Ratio Lower Upper
73 100
43 11.1 16.2 24.2#
57 20.9 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 0.214 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU055253.D
Acq: 12 Sep 2023 17:16

Tgt Ion: 96 Resp: 1905
Ion Ratio Lower Upper
96 100
61 160.0 108.1 200.9
98 74.2 45.4 84.4





#19

1,1-Dichloroethane

Concen: 0.299 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055253.D

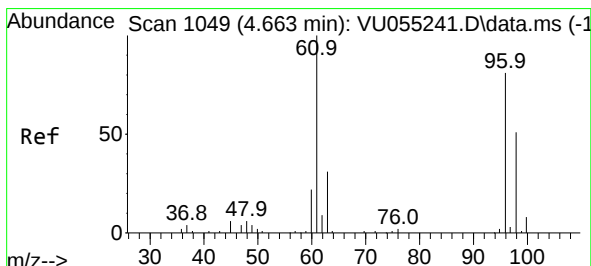
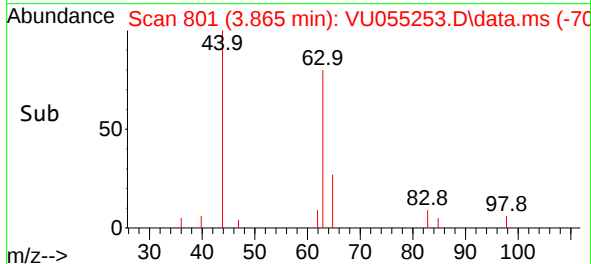
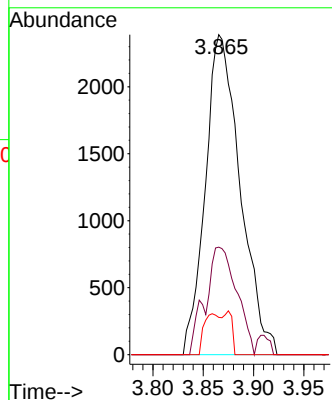
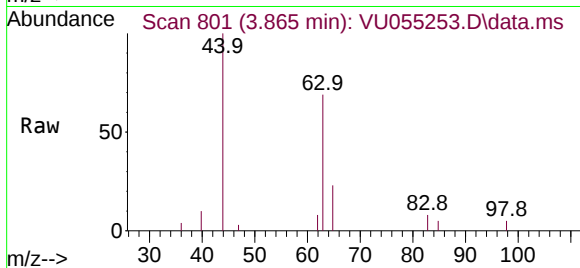
Acq: 12 Sep 2023 17:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 5766
Ion Ratio	Lower Upper
63	100
65	33.6 22.2 41.2
83	11.6 10.6 19.8



#22

cis-1,2-Dichloroethene

Concen: 10.778 ug/L

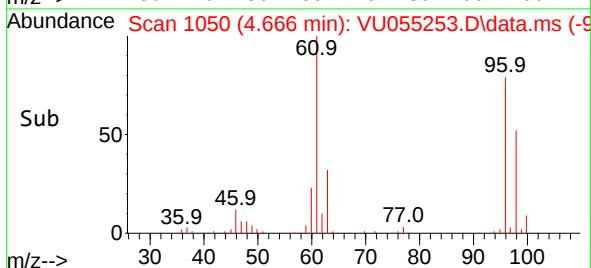
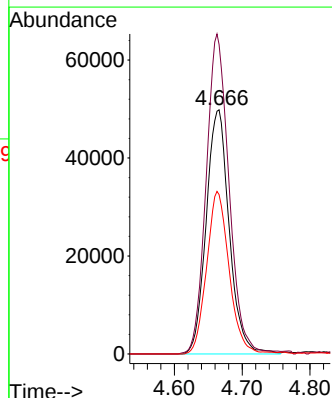
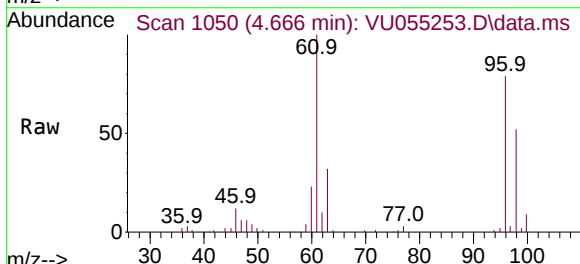
RT: 4.666 min Scan# 1050

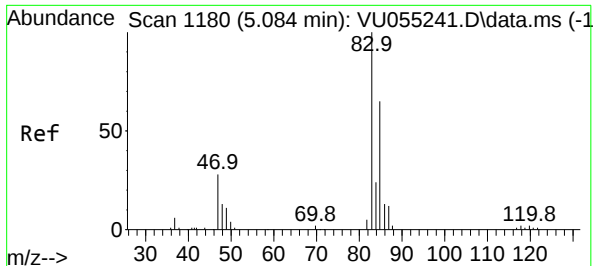
Delta R.T. 0.003 min

Lab File: VU055253.D

Acq: 12 Sep 2023 17:16

Tgt Ion: 96	Resp: 117708
Ion Ratio	Lower Upper
96	100
61	126.7 97.2 180.4
98	65.3 46.1 85.7





#25

Chloroform

Concen: 0.634 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055253.D

Acq: 12 Sep 2023 17:16

Instrument :

MSVOA_U

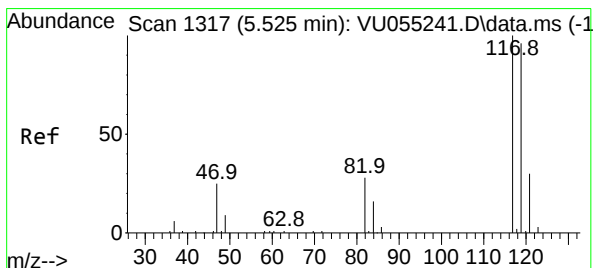
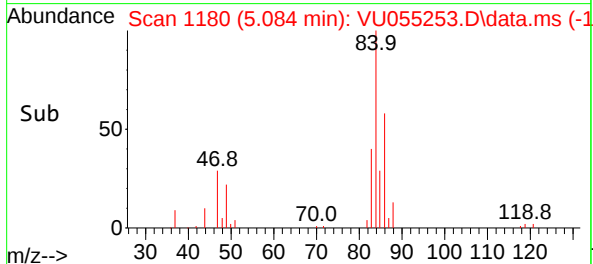
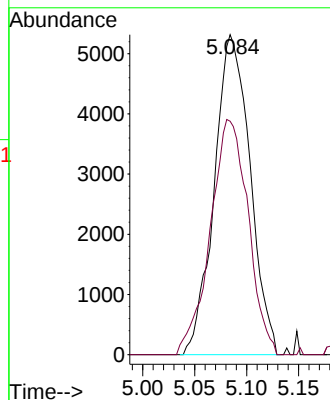
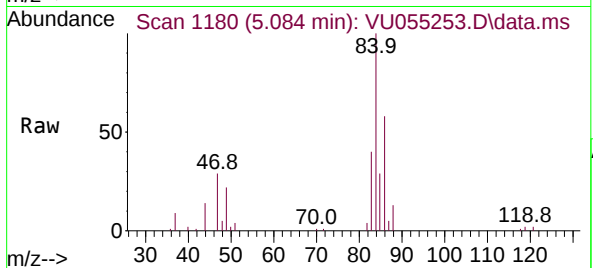
ClientSampleId :

Tgt Ion: 83 Resp: 12726

Ion Ratio Lower Upper

83 100

85 73.0 47.2 87.6



#31

Carbon tetrachloride

Concen: 0.791 ug/L

RT: 5.521 min Scan# 1316

Delta R.T. -0.003 min

Lab File: VU055253.D

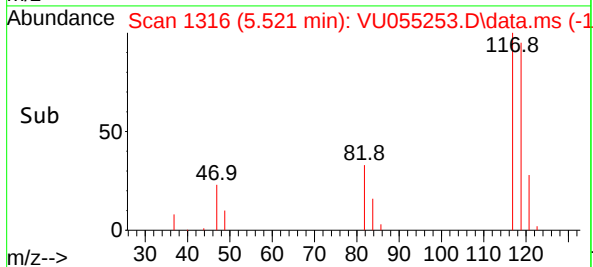
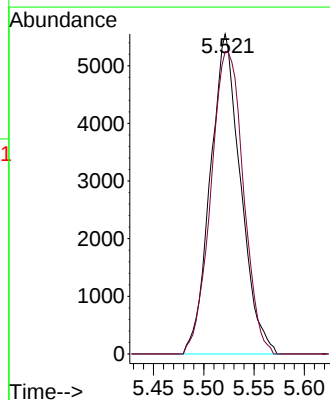
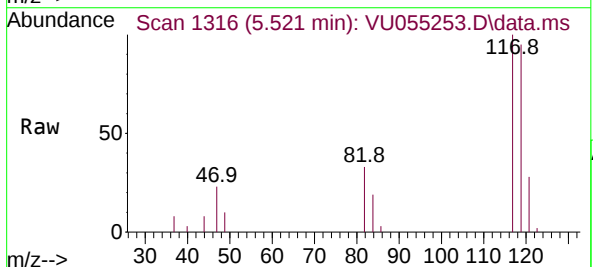
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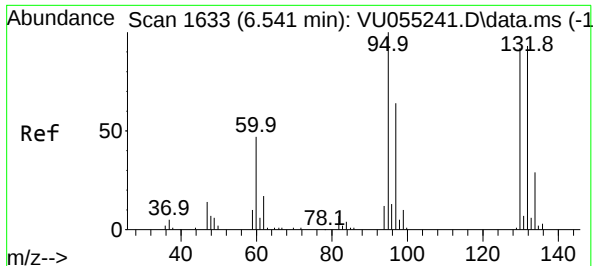
Tgt Ion: 117 Resp: 11624

Ion Ratio Lower Upper

117 100

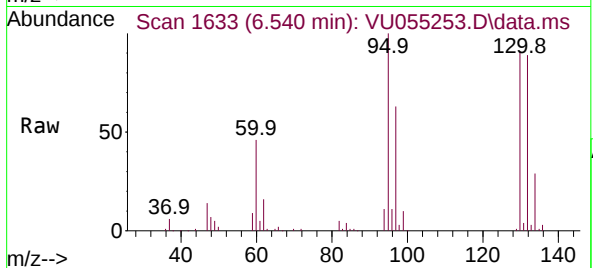
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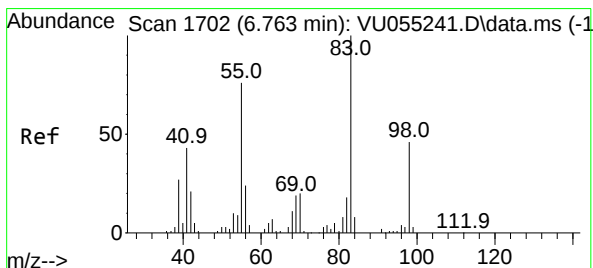
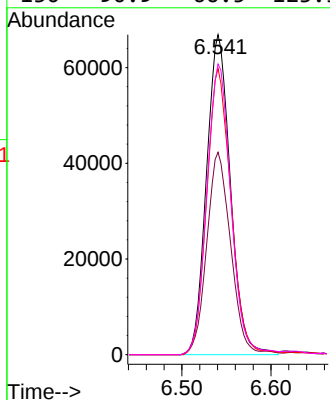
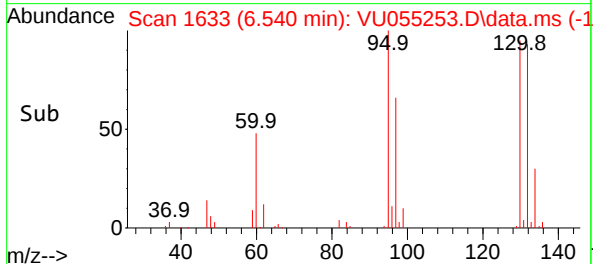


#34
Trichloroethene
Concen: 10.342 ug/L
RT: 6.540 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055253.D
Acq: 12 Sep 2023 17:16

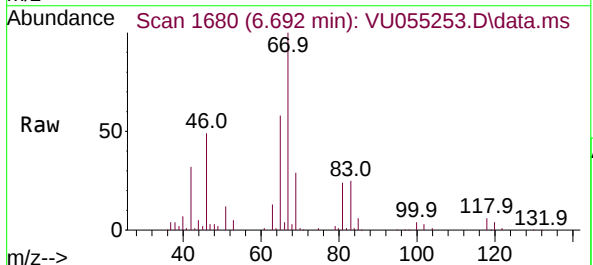
Instrument :
MSVOA_U
ClientSampleId :



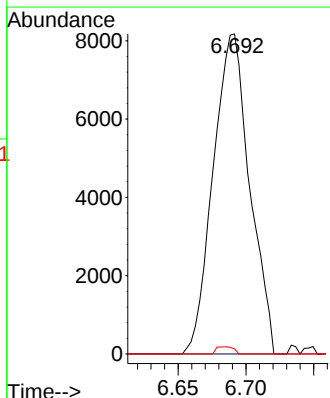
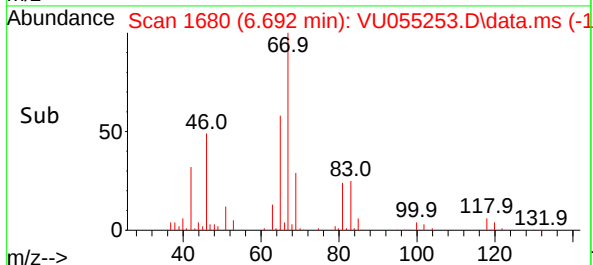
Tgt Ion: 95 Resp: 124901
Ion Ratio Lower Upper
95 100
97 63.2 44.7 83.1
132 89.4 66.6 123.6
130 90.9 66.5 123.5

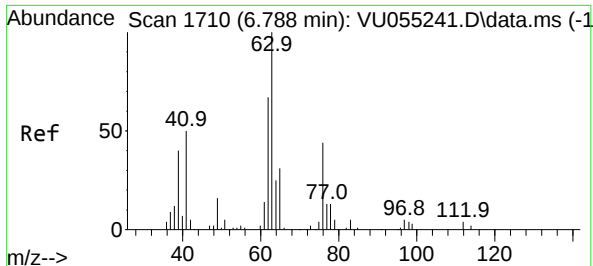


#35
Methylcyclohexane
Concen: 0.905 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.071 min
Lab File: VU055253.D
Acq: 12 Sep 2023 17:16



Tgt Ion: 83 Resp: 15329
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 0.0 35.3 52.9#

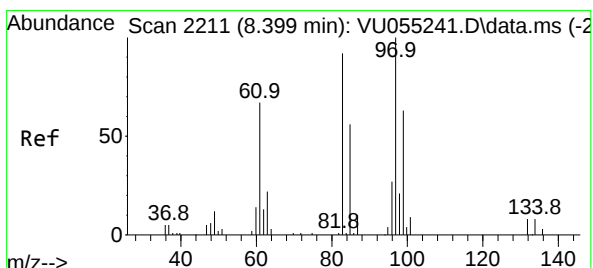
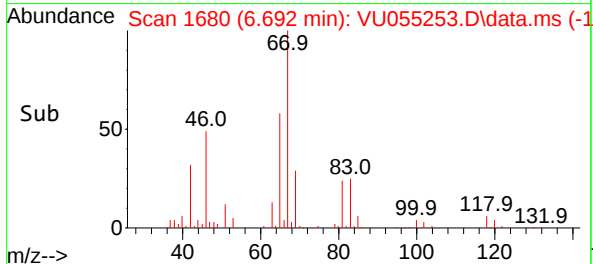
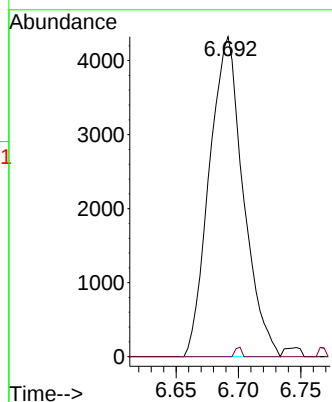
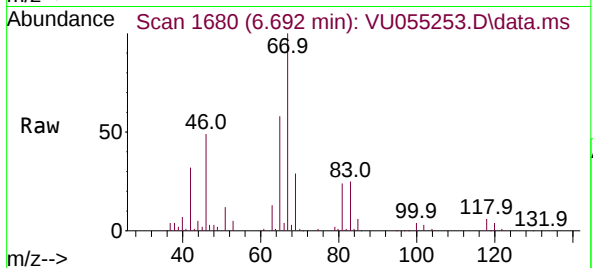




#37
1,2-Dichloropropane
Concen: 0.693 ug/L
RT: 6.692 min Scan# 11
Delta R.T. -0.097 min
Lab File: VU055253.D
Acq: 12 Sep 2023 17:16

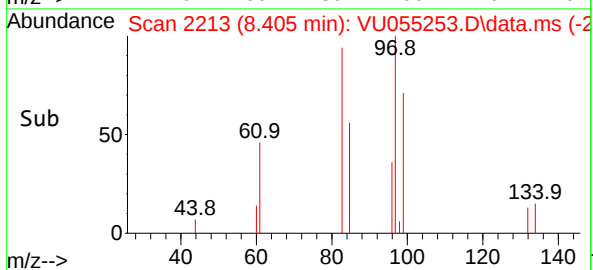
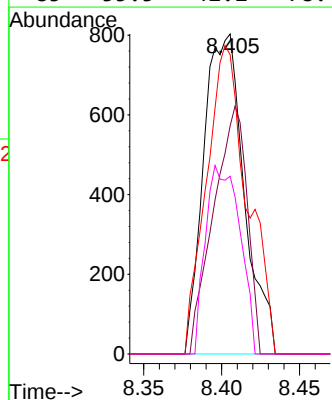
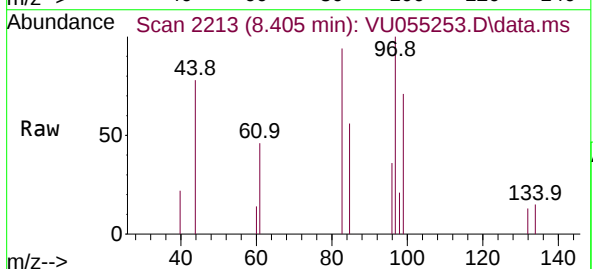
Instrument :
MSVOA_U
ClientSampleId :

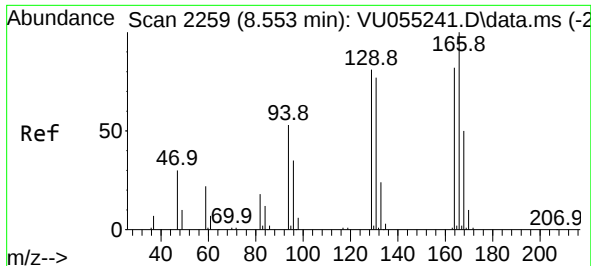
Tgt Ion: 63 Resp: 8200
Ion Ratio Lower Upper
63 100
112 0.5 3.2 4.8#



#45
1,1,2-Trichloroethane
Concen: 0.181 ug/L
RT: 8.405 min Scan# 2213
Delta R.T. 0.006 min
Lab File: VU055253.D
Acq: 12 Sep 2023 17:16

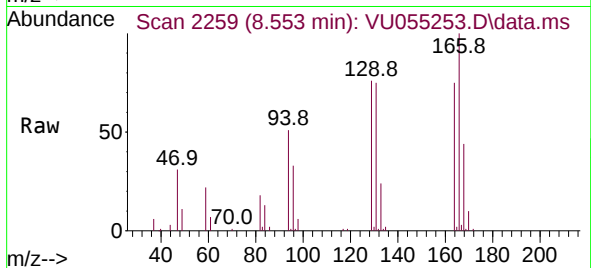
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Ion Ratio Lower Upper
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99 71.2 44.9 83.5
83 93.5 66.9 124.3
85 55.5 42.2 78.4



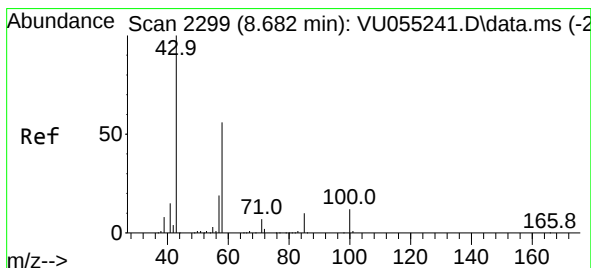
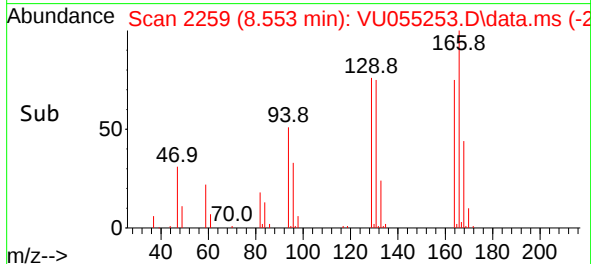
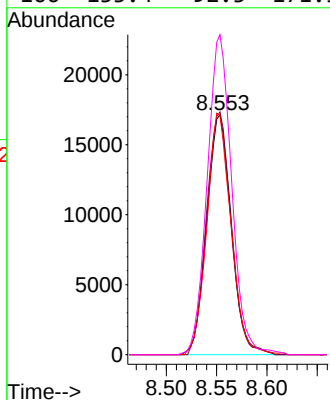


#47
Tetrachloroethene
Concen: 3.510 ug/L
RT: 8.553 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055253.D
Acq: 12 Sep 2023 17:16

Instrument :
MSVOA_U
ClientSampleId :

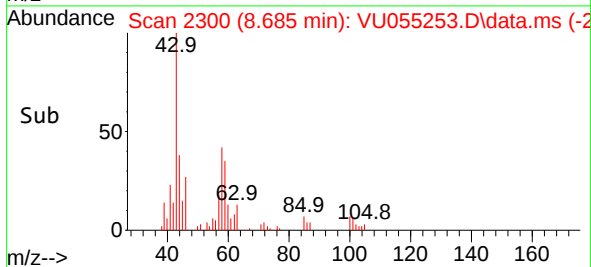
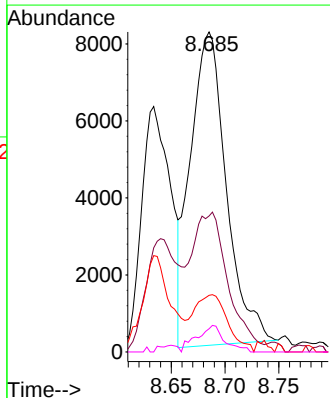
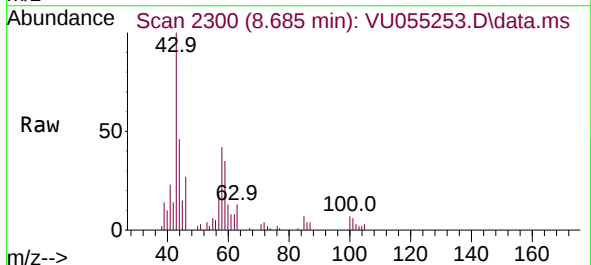


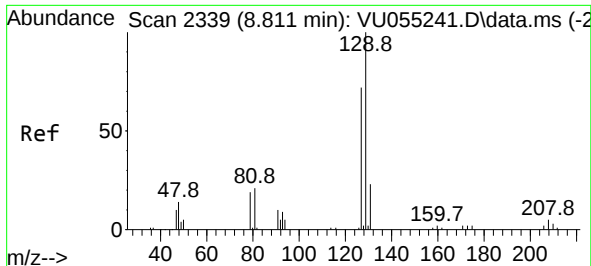
Tgt Ion:164 Resp: 29299
Ion Ratio Lower Upper
164 100
129 101.2 69.2 128.6
131 99.6 68.8 127.8
166 133.4 92.3 171.5



#48
2-Hexanone
Concen: 3.579 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055253.D
Acq: 12 Sep 2023 17:16

Tgt Ion: 43 Resp: 18917
Ion Ratio Lower Upper
43 100
58 44.6 44.0 66.0
57 17.4 16.2 24.2
100 6.6 9.0 13.4#





#49

Dibromochloromethane

Concen: 3.401 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU055253.D

Acq: 12 Sep 2023 17:16

Instrument :

MSVOA_U

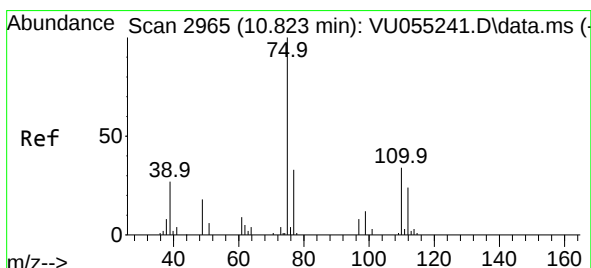
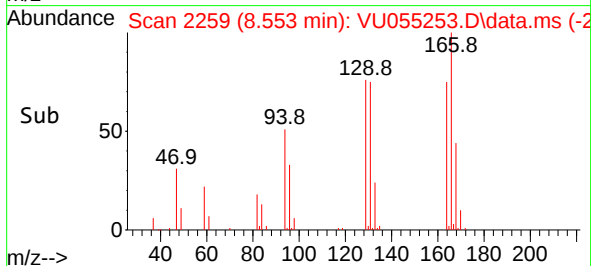
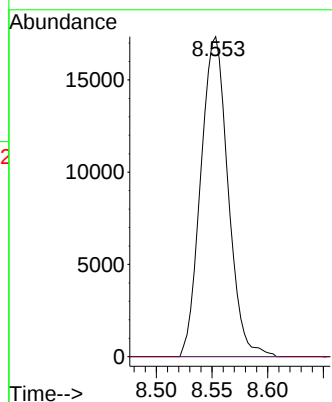
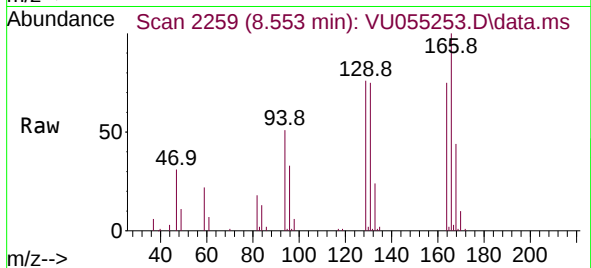
ClientSampleId :

Tgt Ion:129 Resp: 29584

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#61

1,2,3-Trichloropropane

Concen: 1.984 ug/L

RT: 11.810 min Scan# 3272

Delta R.T. 0.987 min

Lab File: VU055253.D

Acq: 12 Sep 2023 17:16

Tgt Ion: 75 Resp: 13114

Ion Ratio Lower Upper

75 100

110 2.2 28.2 42.2#

77 31.3 26.2 39.4

