

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055255.D
 Acq On : 12 Sep 2023 18:06
 Operator : MD/SY
 Sample : 04350-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 13 01:48:59 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	186186	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	195710	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	94442	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	28202	3.232	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	64.600%	
7) Chloroethane-d5	1.907	69	42455	4.203	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	84.000%	
11) 1,1-Dichloroethene-d2	2.563	65	15890	3.196	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	64.000%	
20) 2-Butanone-d5	4.624	46	143829	56.798	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	113.600%	
24) Chloroform-d	5.062	84	99571	4.300	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	86.000%	
26) 1,2-Dichloroethane-d4	5.701	65	55275	4.771	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	95.400%	
32) Benzene-d6	5.727	84	189806	3.929	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	78.600%	
36) 1,2-Dichloropropane-d6	6.689	67	66719	4.342	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	86.800%	
41) Toluene-d8	7.897	98	161770	3.635	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	72.800%	
43) trans-1,3-Dichloroprop...	8.180	79	17374	4.106	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	82.200%	
46) 2-Hexanone-d5	8.631	63	92069	53.595	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	107.200%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	52506	4.859	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	97.200%	
66) 1,2-Dichlorobenzene-d4	12.193	152	60939	4.421	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	88.400%	
Target Compounds						Qvalue
3) Chloromethane	1.515	50	1681	0.153	ug/L	87
12) 1,1-Dichloroethene	2.576	96	48157	5.595	ug/L	87
17) Methyl tert-butyl Ether	3.364	73	6407	0.284	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	3500	0.401	ug/L	91
19) 1,1-Dichloroethane	3.872	63	7481	0.396	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	471932	44.146	ug/L	92
25) Chloroform	5.084	83	15307	0.779	ug/L	99
31) Carbon tetrachloride	5.525	117	7484	0.532	ug/L	99
34) Trichloroethene	6.541	95	589960	50.964	ug/L	98
35) Methylcyclohexane	6.685	83	15265	0.940	ug/L #	19
37) 1,2-Dichloropropane	6.692	63	7534	0.664	ug/L #	88
45) 1,1,2-Trichloroethane	8.399	97	2263	0.296	ug/L	83
47) Tetrachloroethene	8.553	164	30374	3.796	ug/L	96
48) 2-Hexanone	8.685	43	20931	4.131	ug/L #	83
49) Dibromochloromethane	8.553	129	29606	3.551	ug/L #	9
61) 1,2,3-Trichloropropane	11.810	75	12289	1.961	ug/L #	68

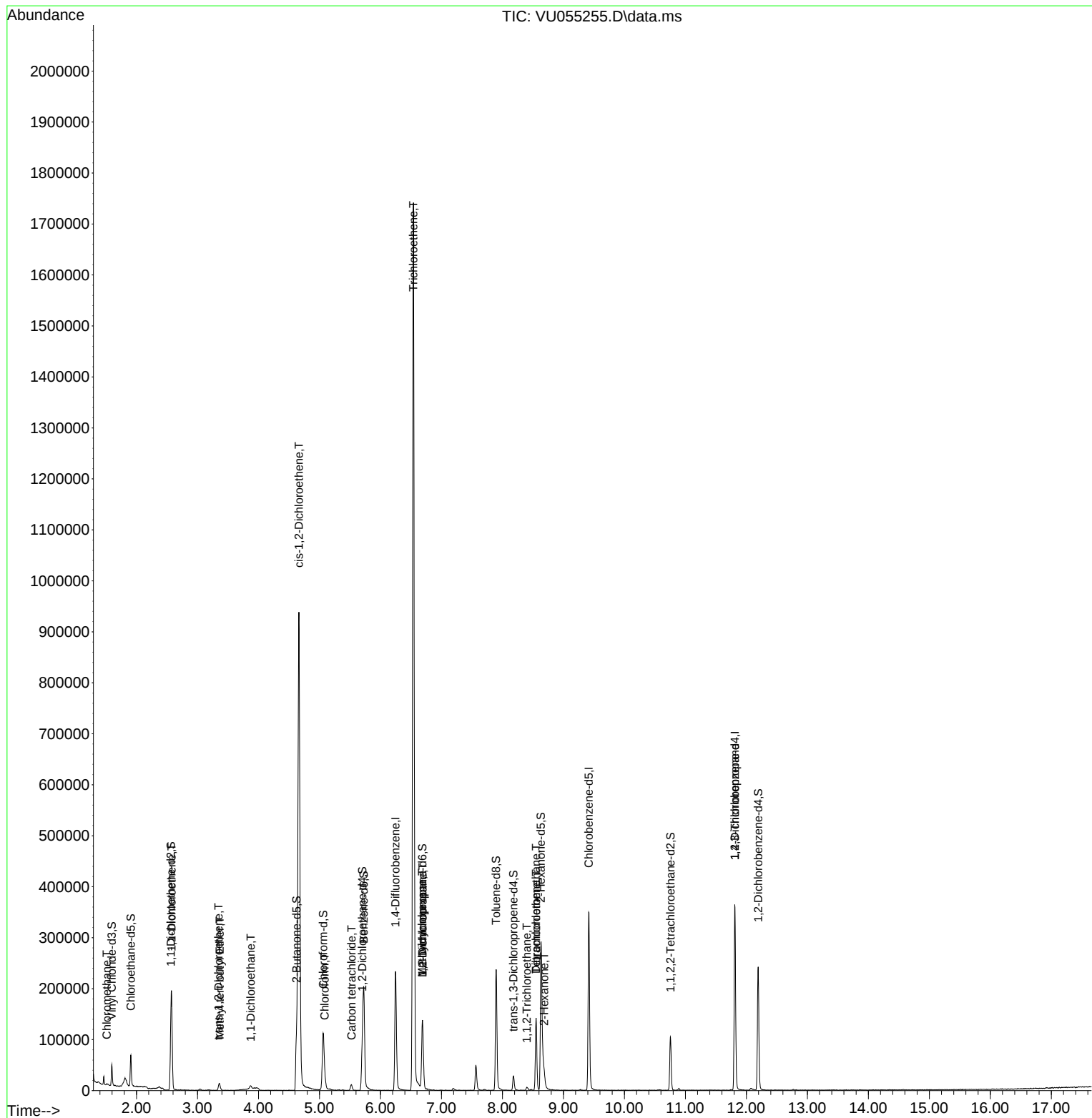
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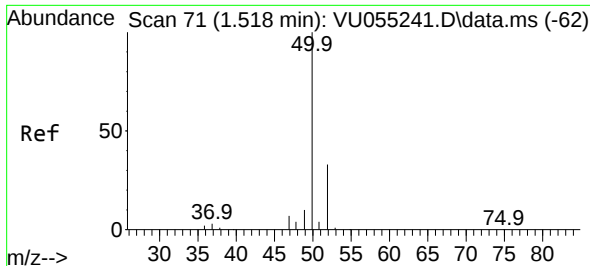
Instrument :
MSVOA_U
ClientSampleId :

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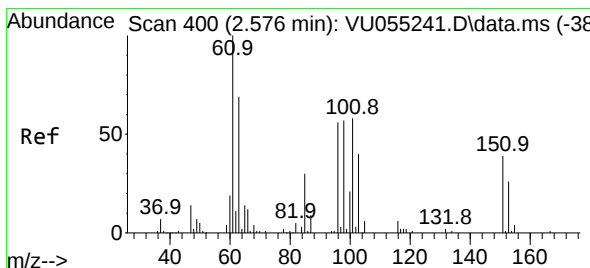
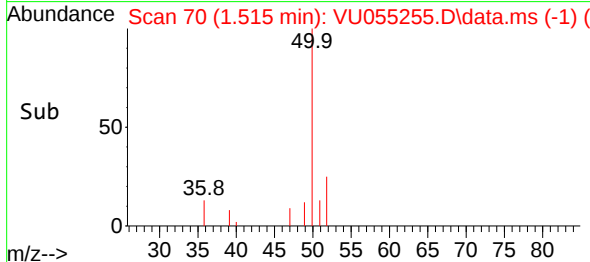
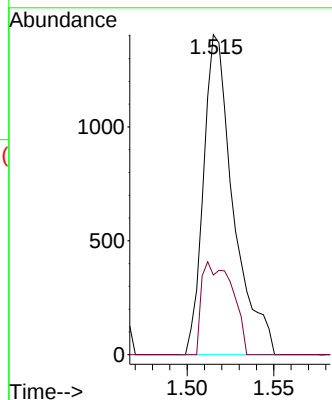
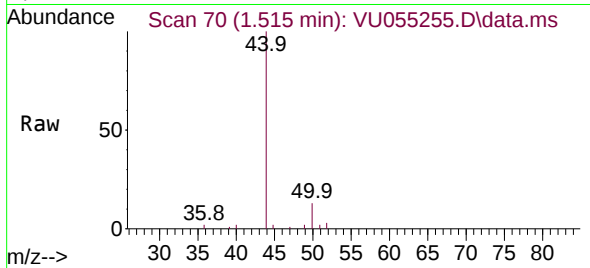




#3
Chloromethane
Concen: 0.153 ug/L
RT: 1.515 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06

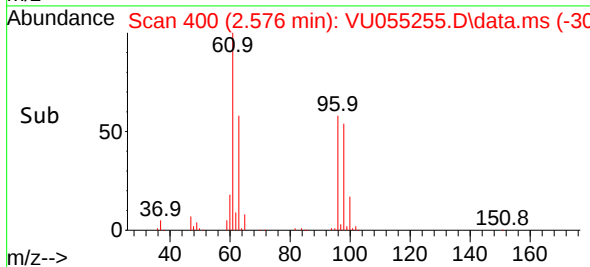
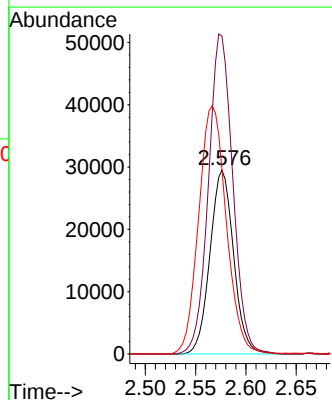
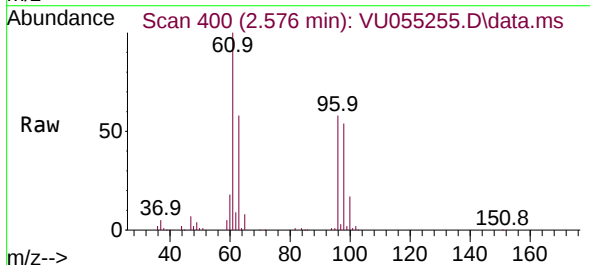
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ClientSampleId :

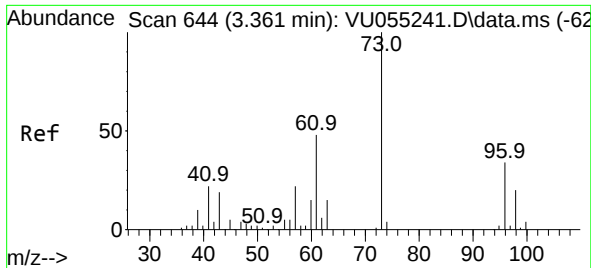
Tgt Ion: 50 Resp: 1681
Ion Ratio Lower Upper
50 100
52 24.9 22.5 41.7



#12
1,1-Dichloroethene
Concen: 5.595 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06

Tgt Ion: 96 Resp: 48157
Ion Ratio Lower Upper
96 100
61 173.1 120.8 224.4
63 100.6 94.5 175.5

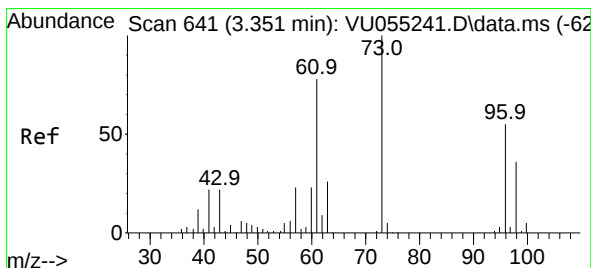
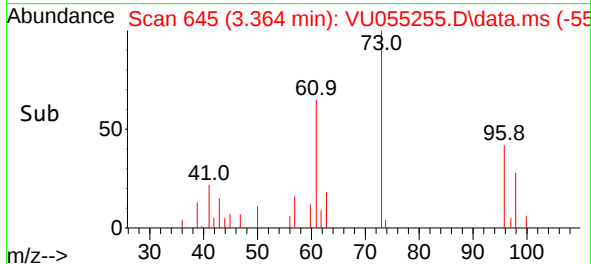
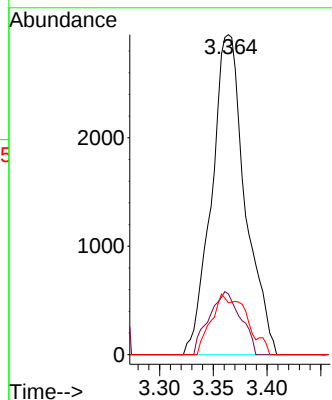
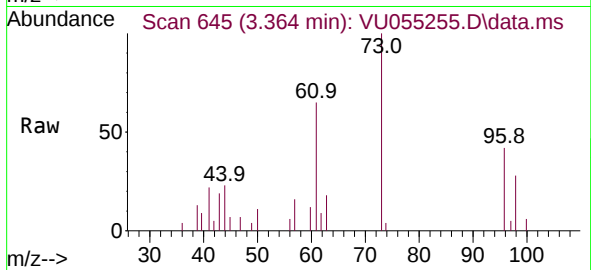




#17
Methyl tert-butyl Ether
Concen: 0.284 ug/L
RT: 3.364 min Scan# 64
Delta R.T. 0.003 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06

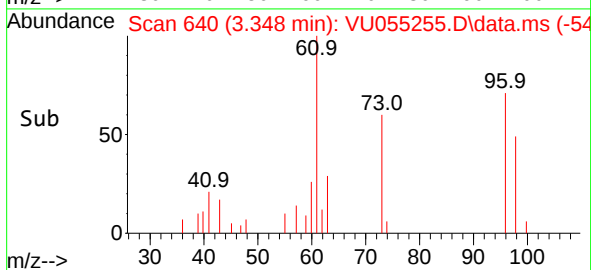
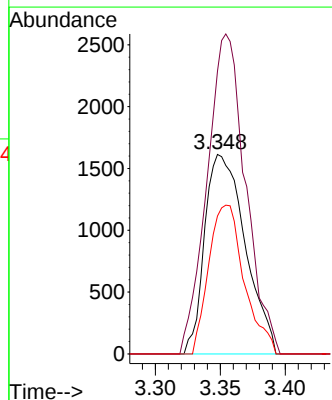
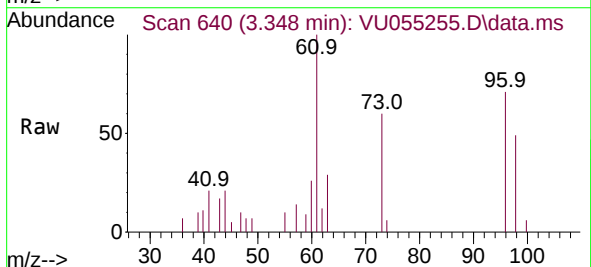
Instrument :
MSVOA_U
ClientSampleId :

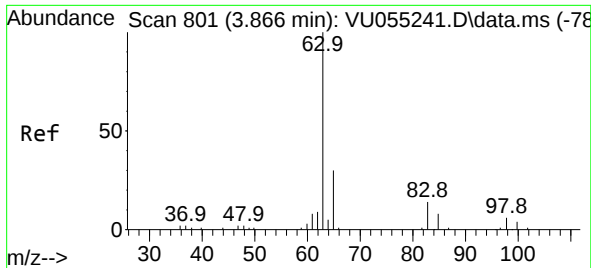
Tgt Ion: 73 Resp: 6407
Ion Ratio Lower Upper
73 100
43 18.6 16.2 24.2
57 19.9 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 0.401 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06

Tgt Ion: 96 Resp: 3500
Ion Ratio Lower Upper
96 100
61 141.7 108.1 200.9
98 69.1 45.4 84.4

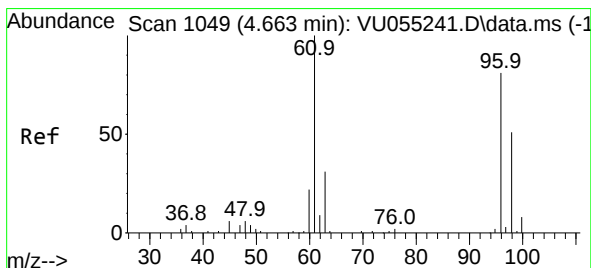
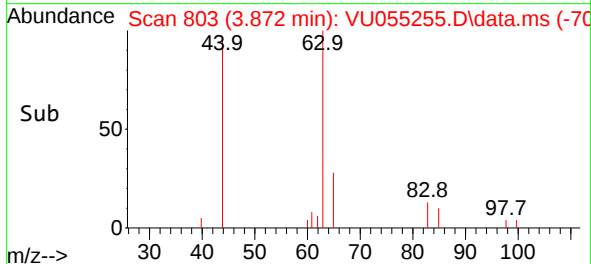
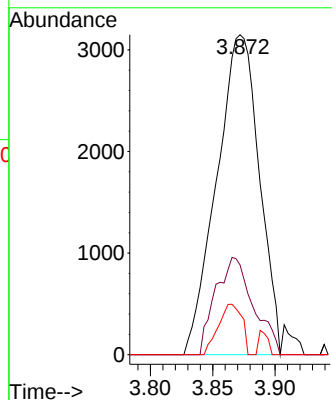
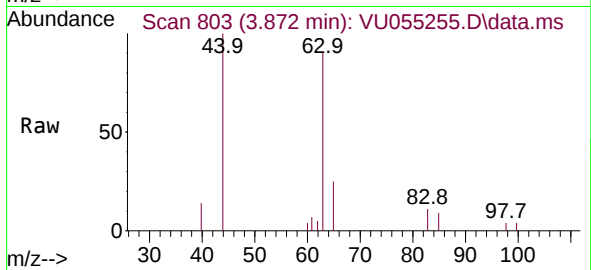




#19
1,1-Dichloroethane
Concen: 0.396 ug/L
RT: 3.872 min Scan# 801
Delta R.T. 0.006 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06

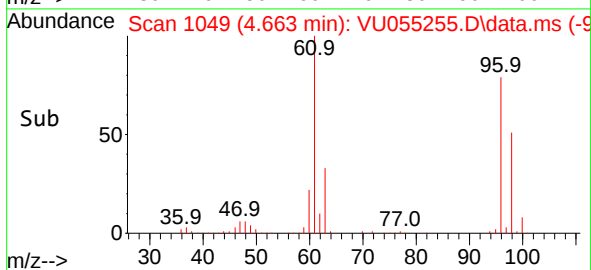
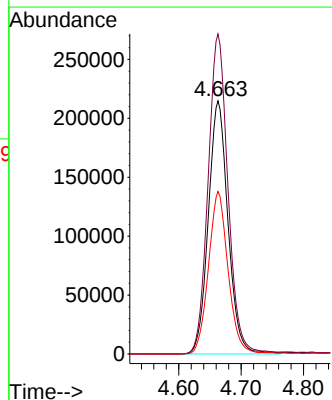
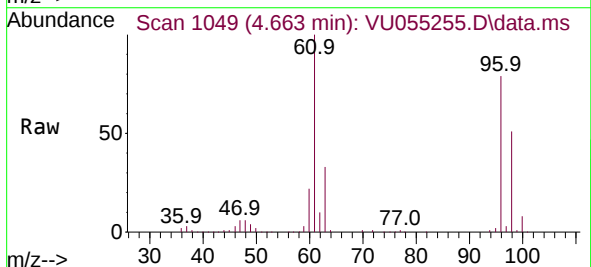
Instrument :
MSVOA_U
ClientSampleId :

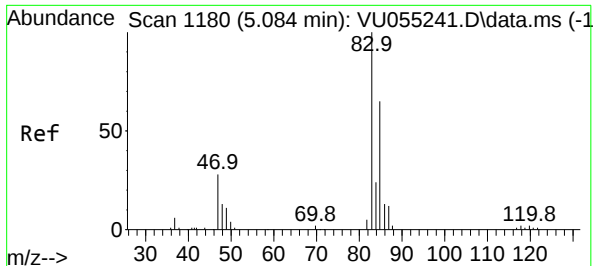
Tgt Ion: 63 Resp: 7481
Ion Ratio Lower Upper
63 100
65 28.0 22.2 41.2
83 12.7 10.6 19.8



#22
cis-1,2-Dichloroethene
Concen: 44.146 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06

Tgt Ion: 96 Resp: 471932
Ion Ratio Lower Upper
96 100
61 126.4 97.2 180.4
98 64.2 46.1 85.7





#25

Chloroform

Concen: 0.779 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055255.D

Acq: 12 Sep 2023 18:06

Instrument :

MSVOA_U

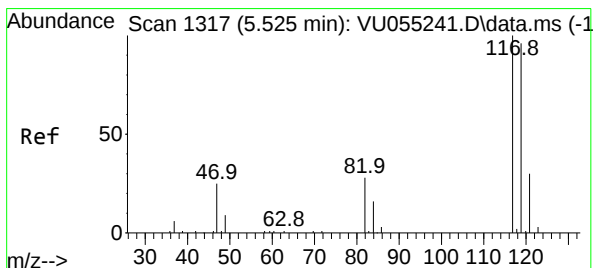
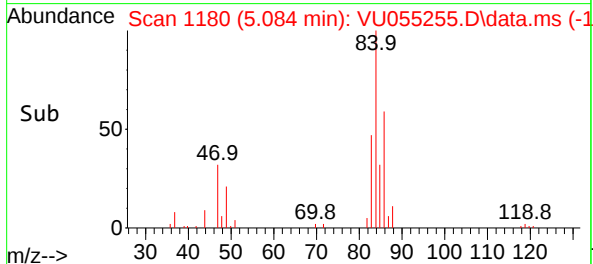
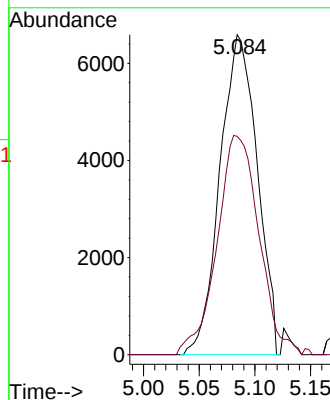
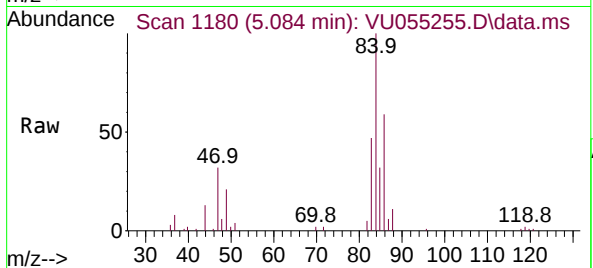
ClientSampleId :

Tgt Ion: 83 Resp: 15307

Ion Ratio Lower Upper

83 100

85 68.2 47.2 87.6



#31

Carbon tetrachloride

Concen: 0.532 ug/L

RT: 5.525 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VU055255.D

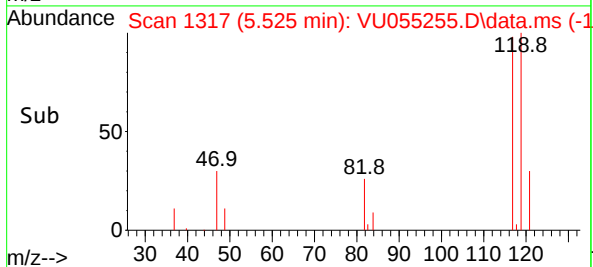
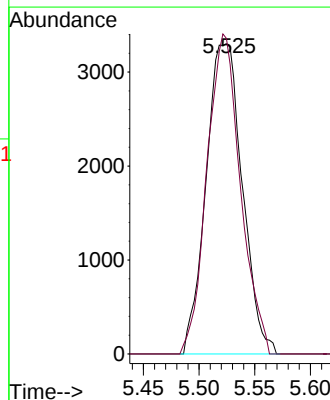
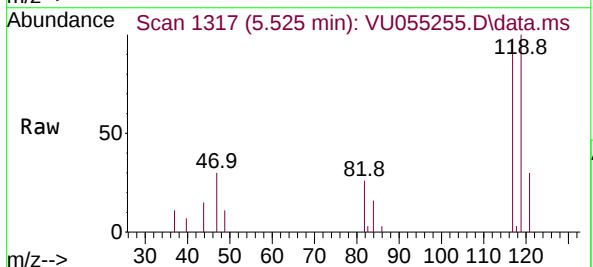
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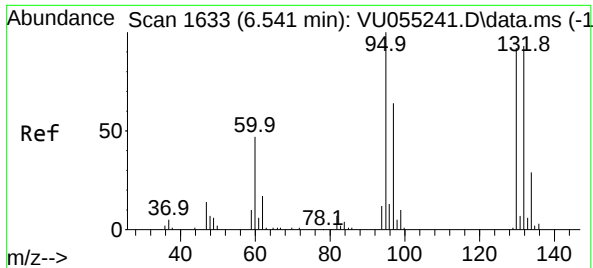
Tgt Ion: 117 Resp: 7484

Ion Ratio Lower Upper

117 100

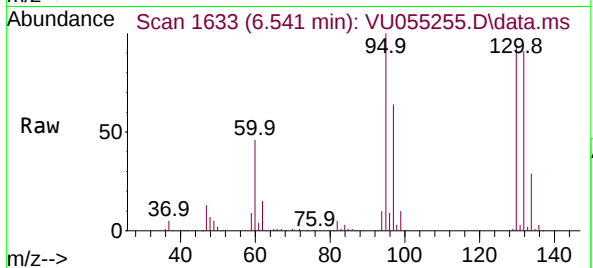
119 95.4 75.4 113.0



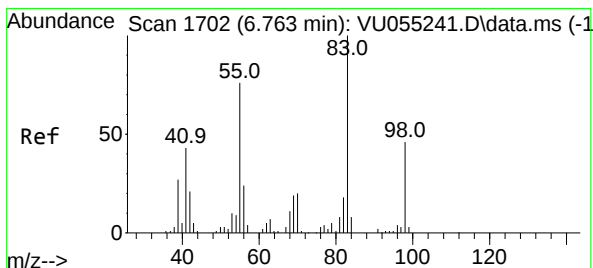
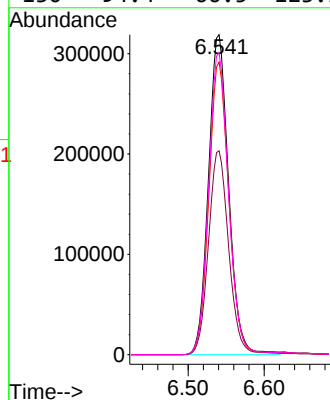
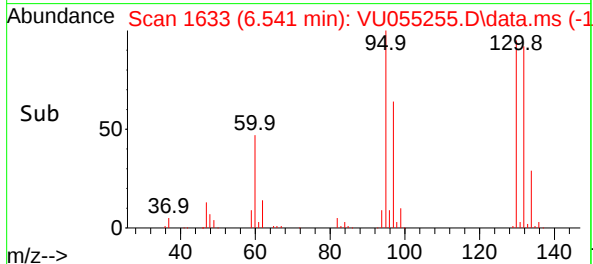


#34
Trichloroethene
Concen: 50.964 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06

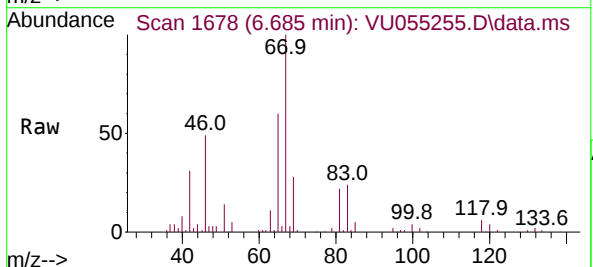
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MSVOA_U
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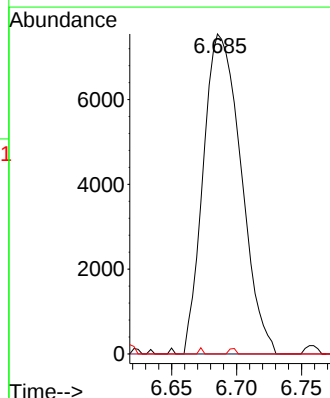
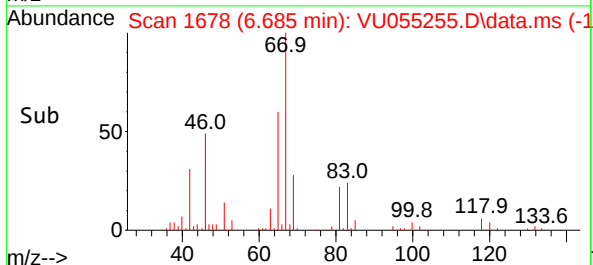
Tgt Ion: 95 Resp: 589960
Ion Ratio Lower Upper
95 100
97 63.7 44.7 83.1
132 91.5 66.6 123.6
130 94.4 66.5 123.5

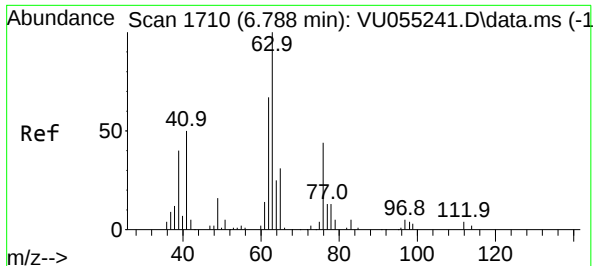


#35
Methylcyclohexane
Concen: 0.940 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.077 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06



Tgt Ion: 83 Resp: 15265
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 0.0 35.3 52.9#

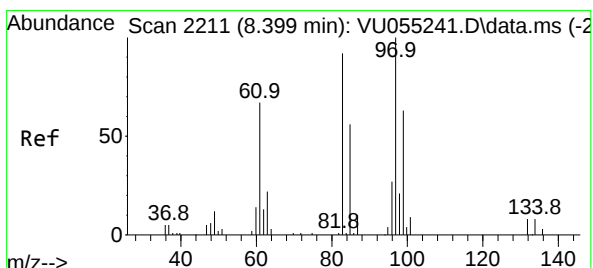
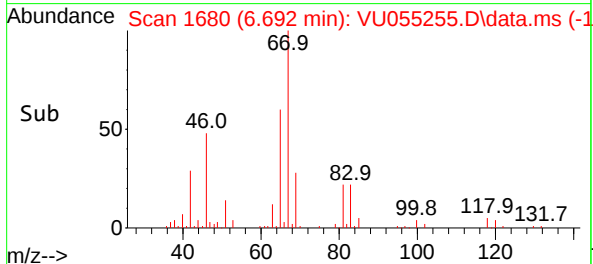
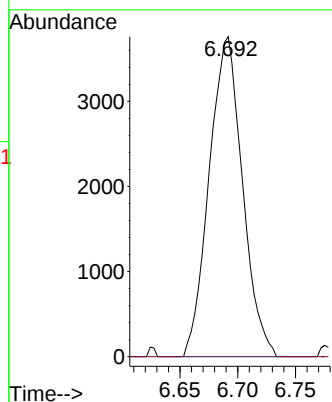
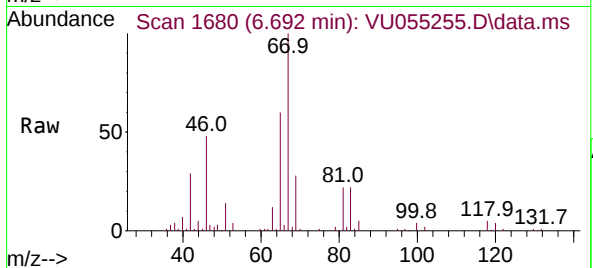




#37
1,2-Dichloropropane
Concen: 0.664 ug/L
RT: 6.692 min Scan# 111
Delta R.T. -0.097 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06

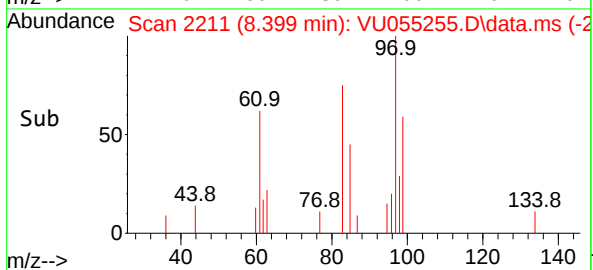
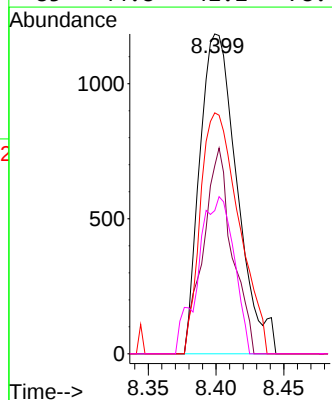
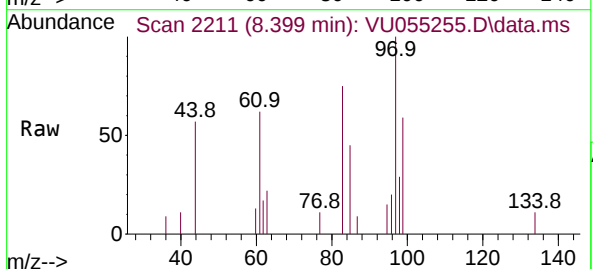
Instrument :
MSVOA_U
ClientSampleId :

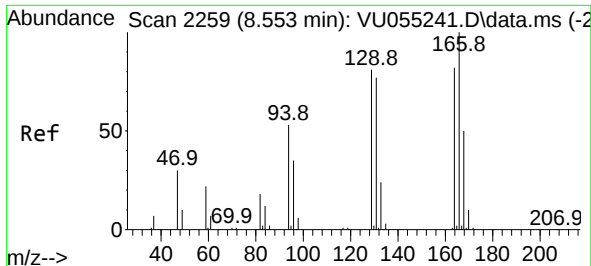
Tgt Ion: 63 Resp: 7534
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#45
1,1,2-Trichloroethane
Concen: 0.296 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. -0.000 min
Lab File: VU055255.D
Acq: 12 Sep 2023 18:06

Tgt Ion: 97 Resp: 2263
Ion Ratio Lower Upper
97 100
99 58.8 44.9 83.5
83 75.3 66.9 124.3
85 44.8 42.2 78.4





#47

Tetrachloroethene

Concen: 3.796 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.000 min

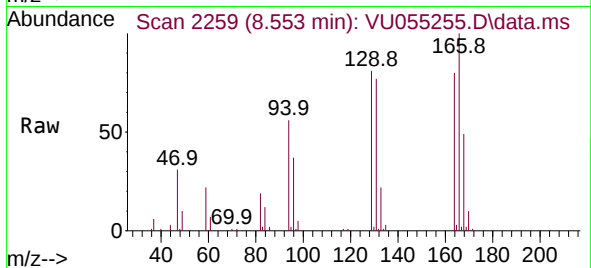
Lab File: VU055255.D

Acq: 12 Sep 2023 18:06

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 30374

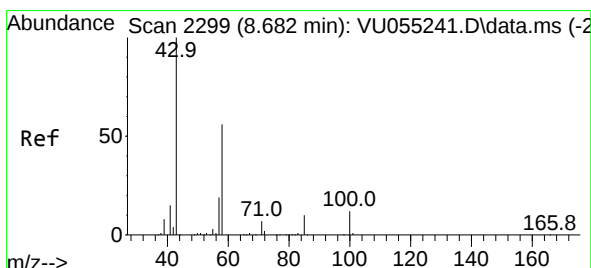
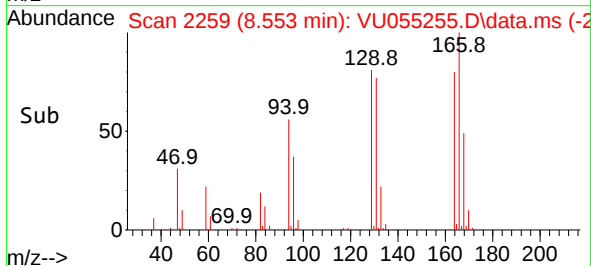
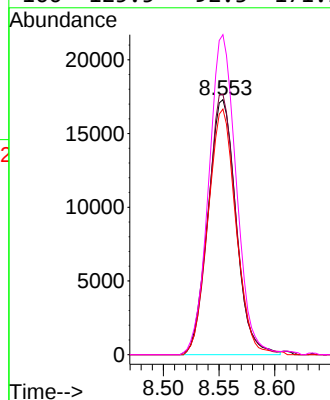
Ion Ratio Lower Upper

164 100

129 102.2 69.2 128.6

131 96.3 68.8 127.8

166 125.5 92.3 171.5



#48

2-Hexanone

Concen: 4.131 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU055255.D

Acq: 12 Sep 2023 18:06

Tgt Ion: 43 Resp: 20931

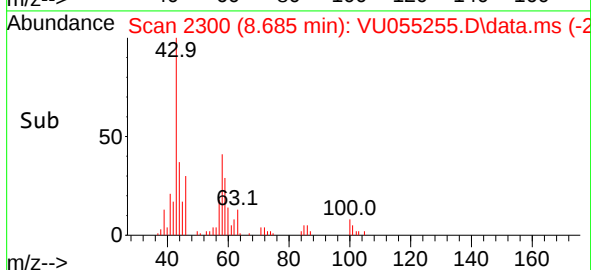
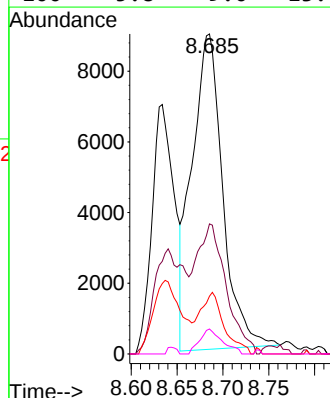
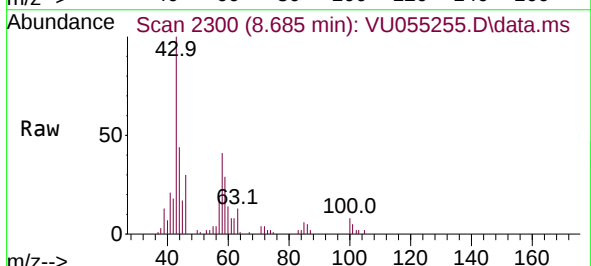
Ion Ratio Lower Upper

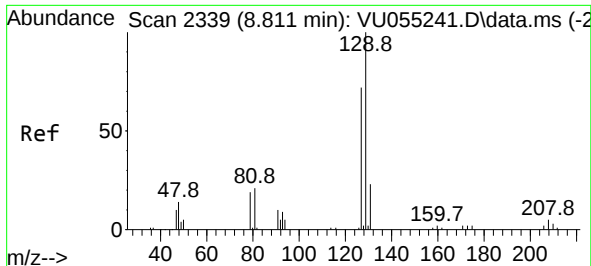
43 100

58 40.3 44.0 66.0#

57 15.5 16.2 24.2#

100 5.8 9.0 13.4#





#49

Dibromochloromethane

Concen: 3.551 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU055255.D

Acq: 12 Sep 2023 18:06

Instrument :

MSVOA_U

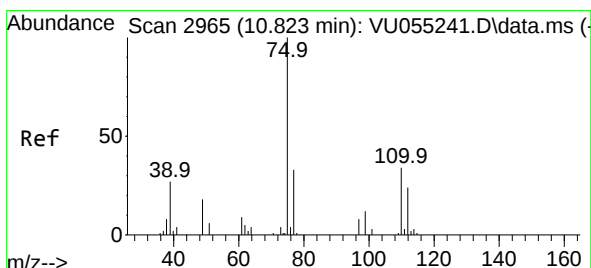
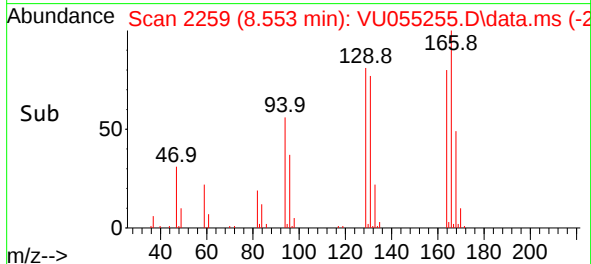
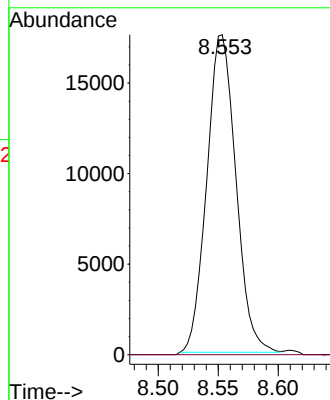
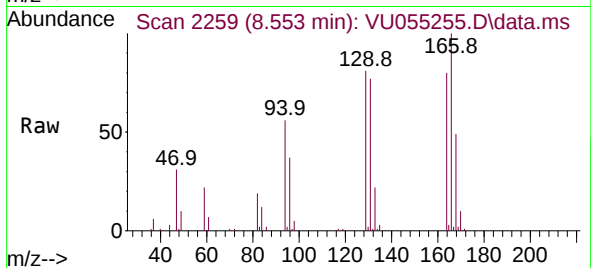
ClientSampleId :

Tgt Ion:129 Resp: 29606

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#61

1,2,3-Trichloropropane

Concen: 1.961 ug/L

RT: 11.810 min Scan# 3272

Delta R.T. 0.987 min

Lab File: VU055255.D

Acq: 12 Sep 2023 18:06

Tgt Ion: 75 Resp: 12289

Ion Ratio Lower Upper

75 100

110 2.9 28.2 42.2#

77 36.7 26.2 39.4

