

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083023\
 Data File : VU054991.D
 Acq On : 30 Aug 2023 11:59
 Operator : MD/SY
 Sample : 04209-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 02:35:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 31 02:34:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	164959	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	160351	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	80291	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	18892	3.629	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.600%
7) Chloroethane-d5	1.907	69	26751	3.977	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.600%
11) 1,1-Dichloroethene-d2	2.560	65	12062	4.099	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.000%
20) 2-Butanone-d5	4.628	46	161825	57.581	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.160%
24) Chloroform-d	5.062	84	87665	4.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.701	65	49561	4.822	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.727	84	157776	4.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
36) 1,2-Dichloropropane-d6	6.689	67	57232	4.515	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.897	98	136289	3.948	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.000%
43) trans-1,3-Dichloroprop...	8.180	79	17087	4.096	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.000%
46) 2-Hexanone-d5	8.634	63	107706	54.393	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.780%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	53812	4.950	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	60324	4.706	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	2750	0.258	ug/L #	82
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	2360	0.276	ug/L #	84
17) Methyl tert-butyl Ether	3.361	73	5447	0.251	ug/L	95
18) trans-1,2-Dichloroethene	3.354	96	8376	1.029	ug/L	90
19) 1,1-Dichloroethane	3.865	63	8087	0.474	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	71679	7.386	ug/L	95
25) Chloroform	5.087	83	22783	1.216	ug/L	90
31) Carbon tetrachloride	5.521	117	5033	0.371	ug/L	93
34) Trichloroethene	6.541	95	83745	7.988	ug/L	98
35) Methylcyclohexane	6.689	83	12918	0.833	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	6299	0.597	ug/L #	90
45) 1,1,2-Trichloroethane	8.399	97	2955	0.415	ug/L #	65
47) Tetrachloroethene	8.553	164	39247	5.210	ug/L	97
48) 2-Hexanone	8.685	43	8888	2.041	ug/L #	93
49) Dibromochloromethane	8.553	129	39998	4.851	ug/L #	6
61) 1,2,3-Trichloropropane	11.810	75	10778	1.803	ug/L #	69

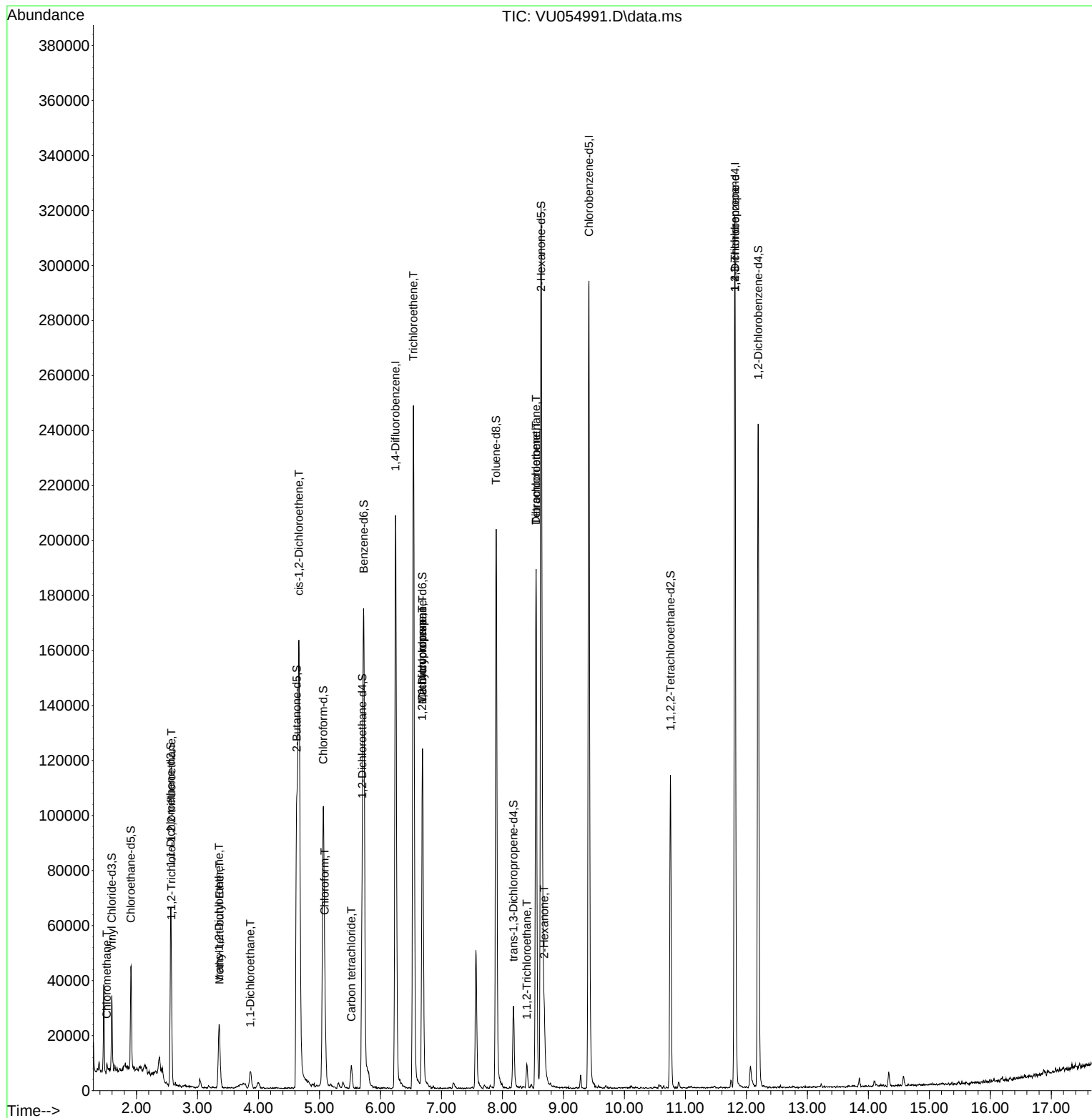
(#) = qualifier out of range (m) = manual integration (+) = signals summed

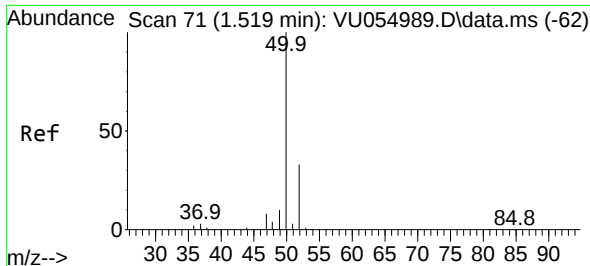
Instrument :
MSVOA_U
ClientSampleId :

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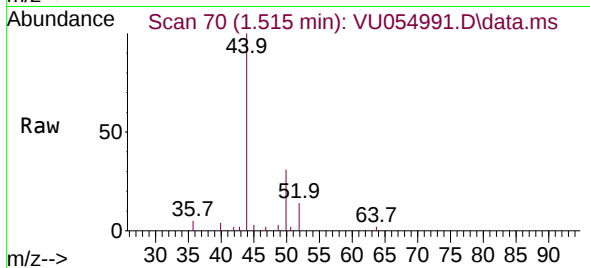
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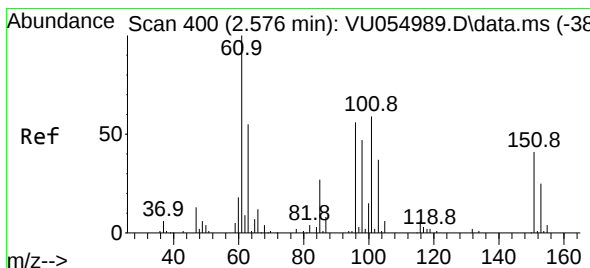
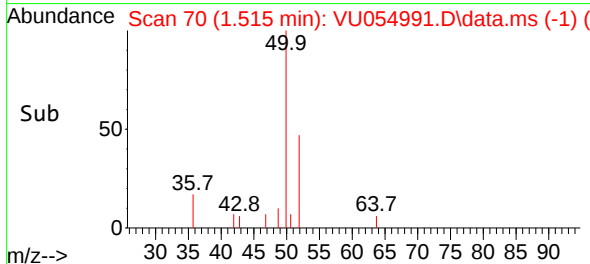
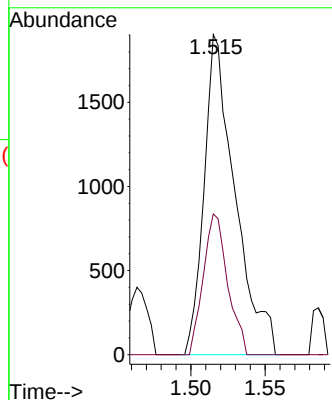


#3
Chloromethane
Concen: 0.258 ug/L
RT: 1.515 min Scan# 71
Delta R.T. -0.004 min
Lab File: VU054991.D
Acq: 30 Aug 2023 11:59

Instrument :
MSVOA_U
ClientSampleId :

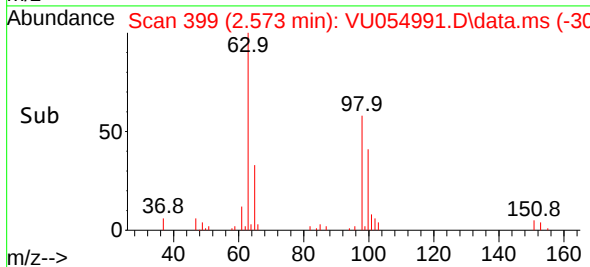
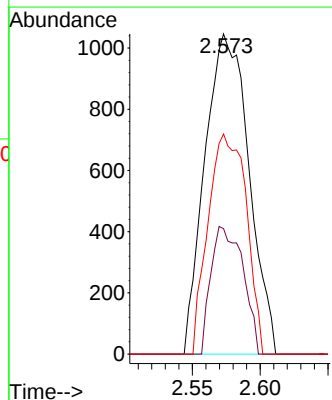
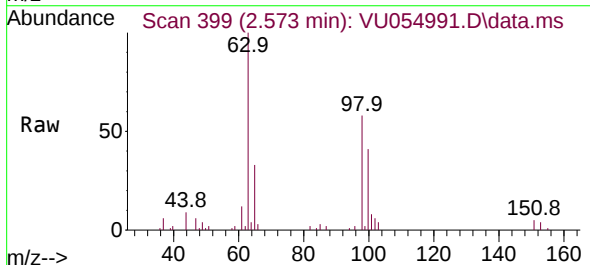


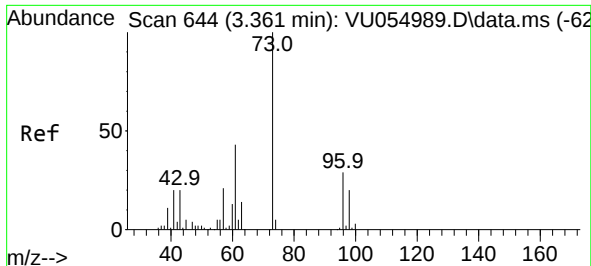
Tgt Ion: 50 Resp: 2750
Ion Ratio Lower Upper
50 100
52 44.0 23.4 43.6#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.276 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.004 min
Lab File: VU054991.D
Acq: 30 Aug 2023 11:59

Tgt Ion: 101 Resp: 2360
Ion Ratio Lower Upper
101 100
85 28.9 38.3 57.5#
151 59.6 51.5 77.3





#17

Methyl tert-butyl Ether

Concen: 0.251 ug/L

RT: 3.361 min Scan# 644

Delta R.T. -0.000 min

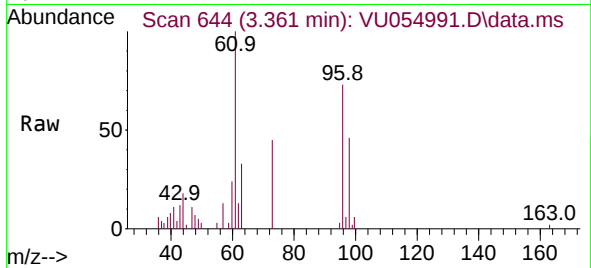
Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

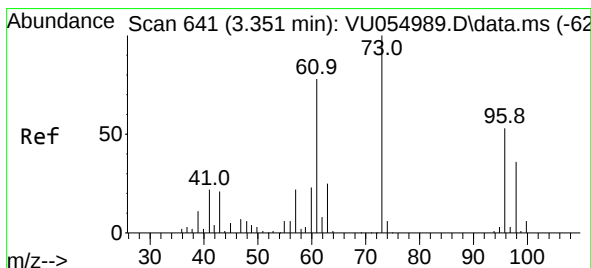
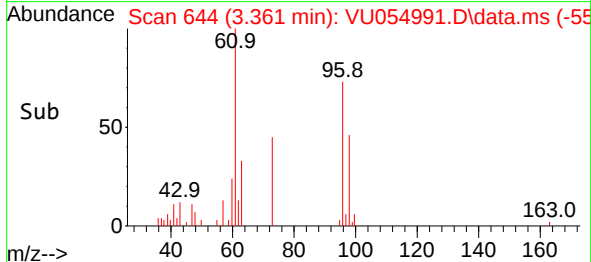
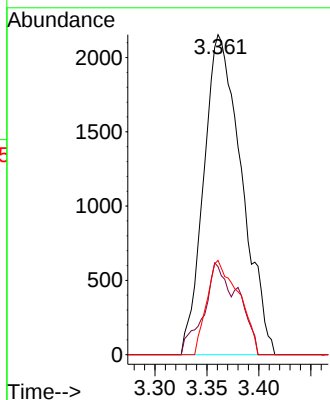
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 73	Resp: 5447
Ion Ratio	Lower Upper
73	100
43	18.4 16.2 24.2
57	24.8 17.4 26.0



#18

trans-1,2-Dichloroethene

Concen: 1.029 ug/L

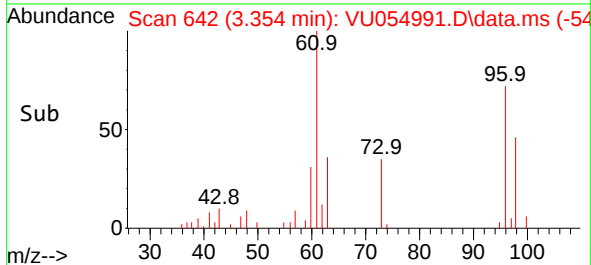
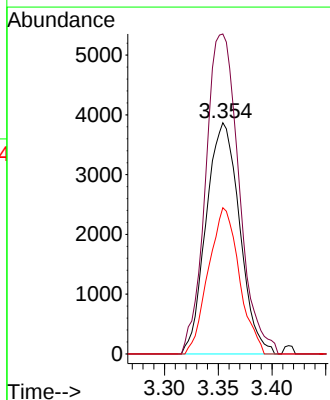
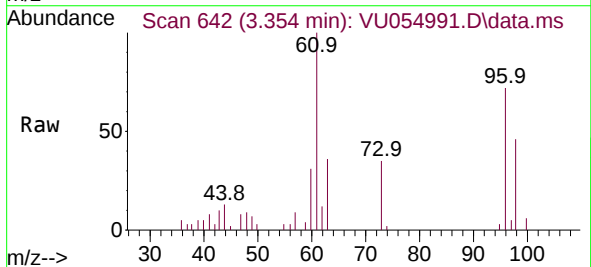
RT: 3.354 min Scan# 642

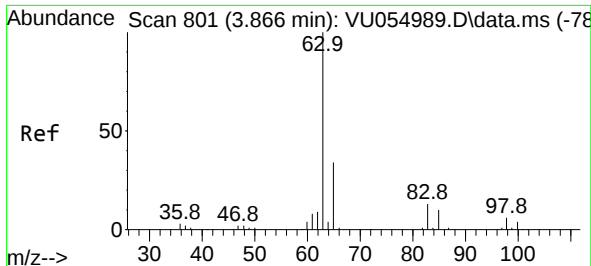
Delta R.T. 0.003 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Tgt Ion: 96	Resp: 8376
Ion Ratio	Lower Upper
96	100
61	138.5 108.8 202.0
98	63.3 45.8 85.2





#19

1,1-Dichloroethane

Concen: 0.474 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054991.D

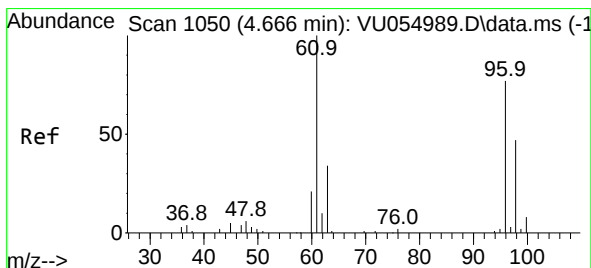
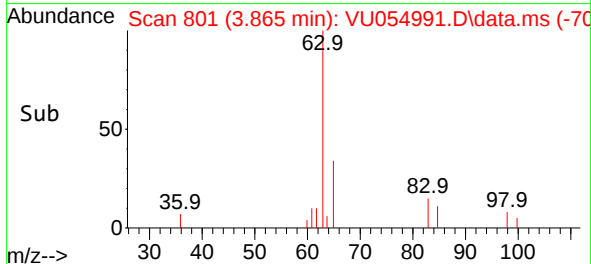
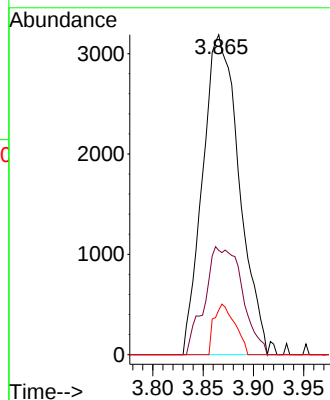
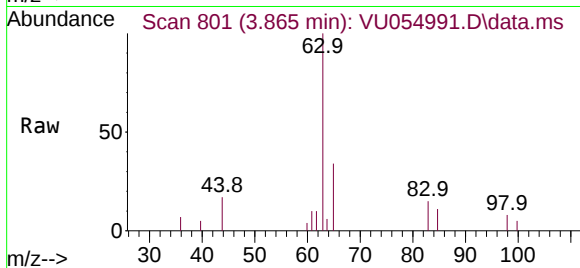
Acq: 30 Aug 2023 11:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	8087
Ion Ratio	Lower	Upper	
63	100		
65	32.6	22.5	41.7
83	14.0	9.5	17.7



#22

cis-1,2-Dichloroethene

Concen: 7.386 ug/L

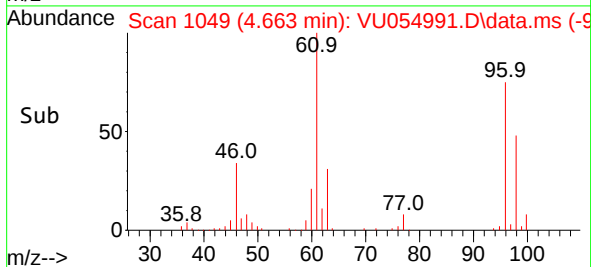
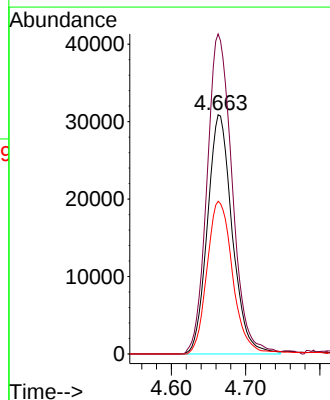
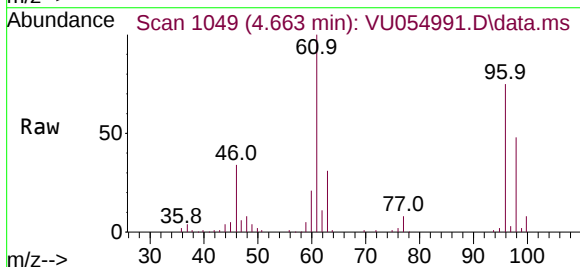
RT: 4.663 min Scan# 1049

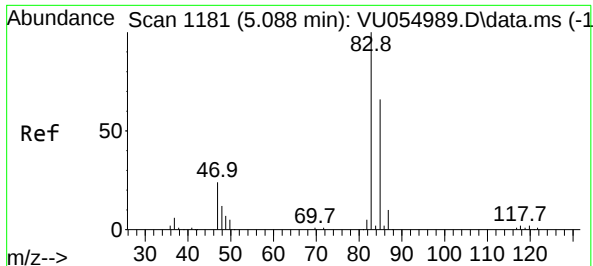
Delta R.T. -0.004 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Tgt Ion:	96	Resp:	71679
Ion Ratio	Lower	Upper	
96	100		
61	133.7	88.4	164.2
98	63.8	44.0	81.6





#25

Chloroform

Concen: 1.216 ug/L

RT: 5.087 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Instrument :

MSVOA_U

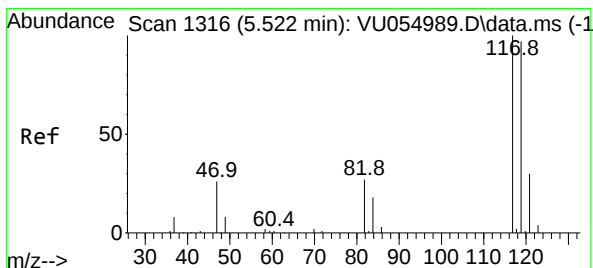
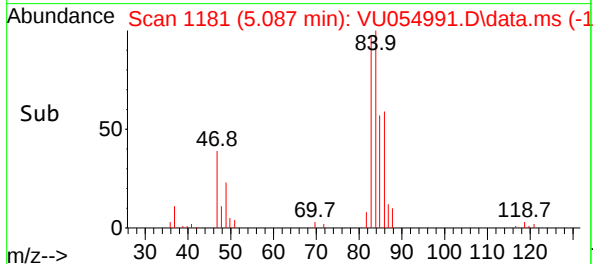
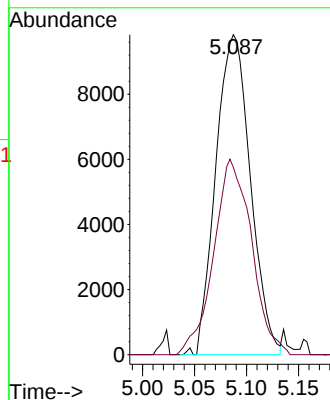
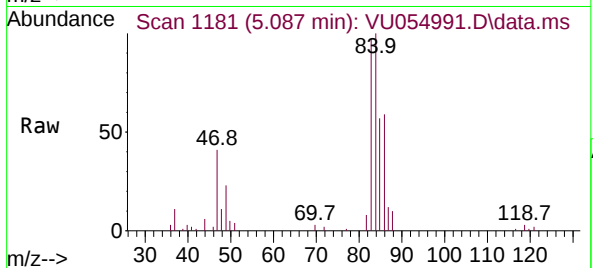
ClientSampleId :

Tgt Ion: 83 Resp: 22783

Ion Ratio Lower Upper

83 100

85 58.6 46.7 86.7



#31

Carbon tetrachloride

Concen: 0.371 ug/L

RT: 5.521 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VU054991.D

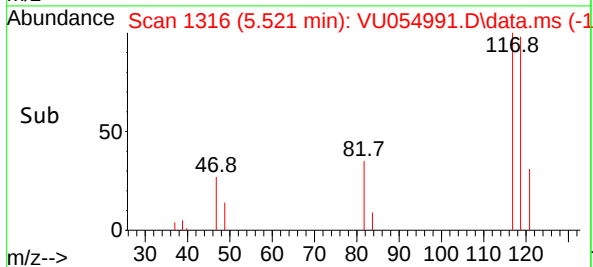
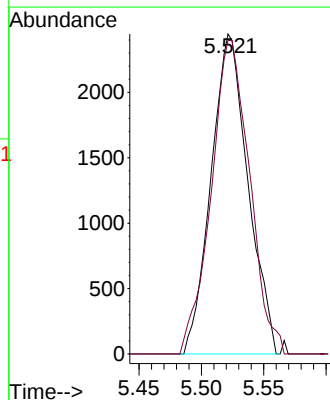
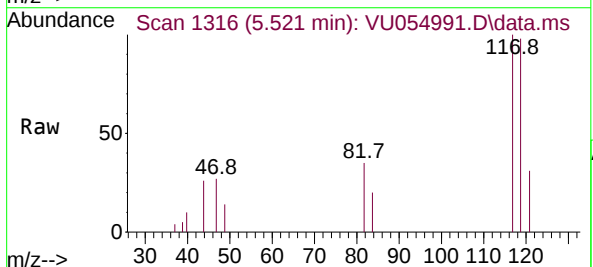
Acq: 30 Aug 2023 11:59

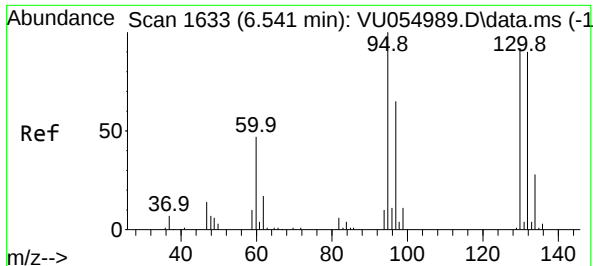
Tgt Ion: 117 Resp: 5033

Ion Ratio Lower Upper

117 100

119 102.2 76.6 115.0





#34

Trichloroethene

Concen: 7.988 ug/L

RT: 6.541 min Scan# 1

Delta R.T. -0.000 min

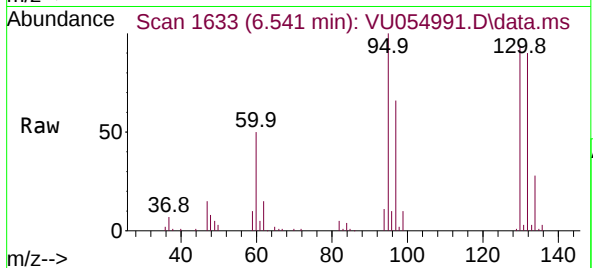
Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 83745

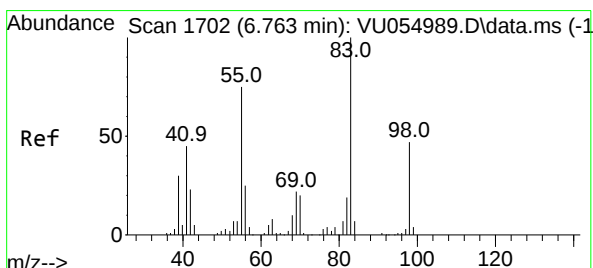
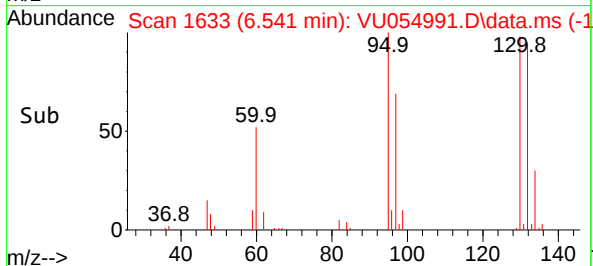
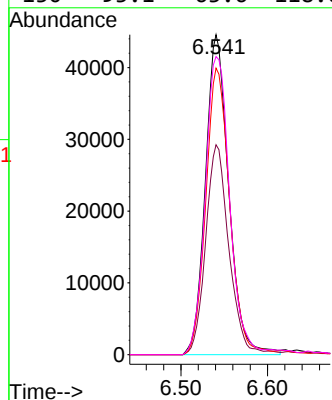
Ion Ratio Lower Upper

95 100

97 65.6 44.1 81.9

132 89.5 63.6 118.2

130 93.1 63.6 118.0



#35

Methylcyclohexane

Concen: 0.833 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.074 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

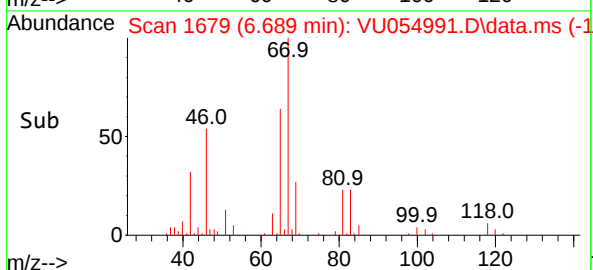
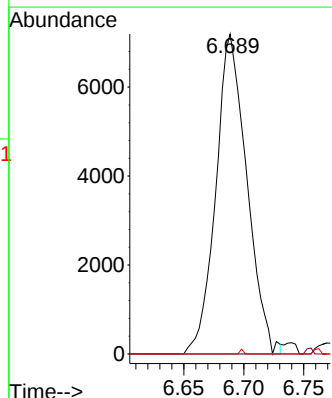
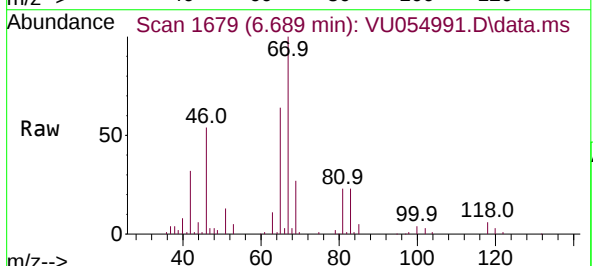
Tgt Ion: 83 Resp: 12918

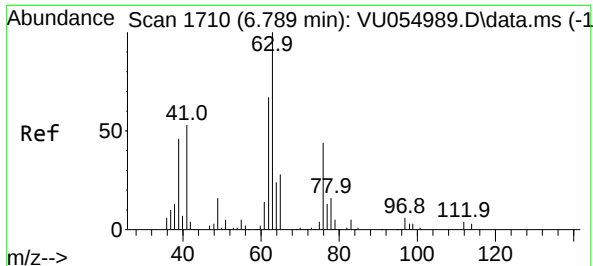
Ion Ratio Lower Upper

83 100

55 0.4 62.1 93.1#

98 0.0 37.8 56.6#





#37

1,2-Dichloropropane

Concen: 0.597 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Instrument :

MSVOA_U

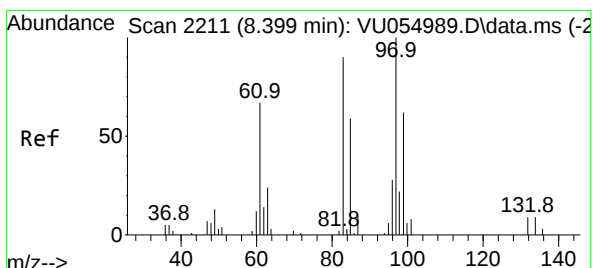
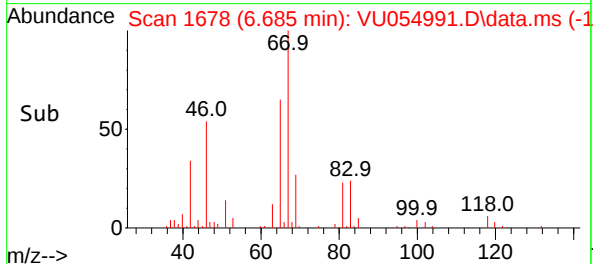
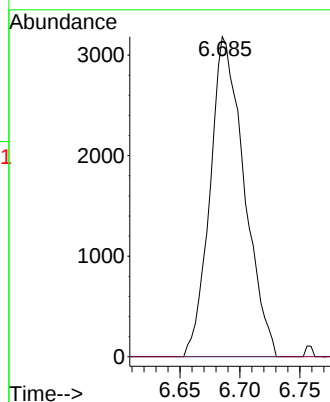
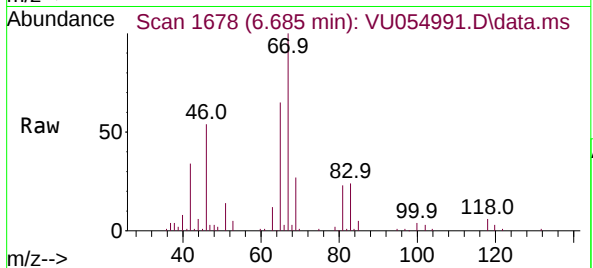
ClientSampleId :

Tgt Ion: 63 Resp: 6299

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



#45

1,1,2-Trichloroethane

Concen: 0.415 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. -0.000 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Tgt Ion: 97 Resp: 2955

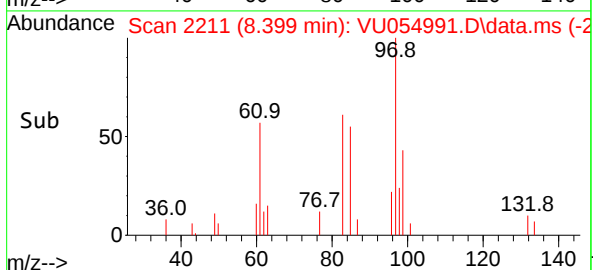
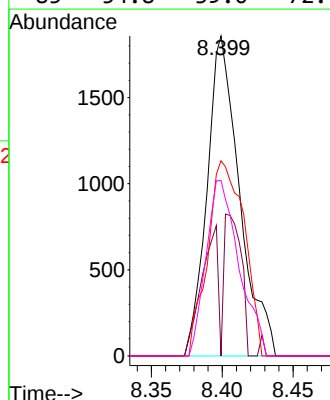
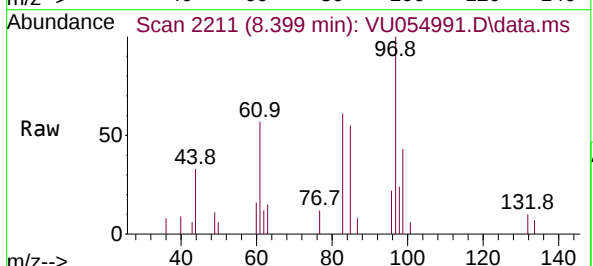
Ion Ratio Lower Upper

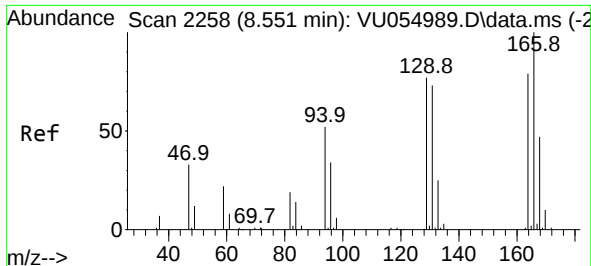
97 100

99 0.0 41.5 77.1#

83 61.0 59.8 111.1

85 54.8 39.0 72.4





#47

Tetrachloroethene

Concen: 5.210 ug/L

RT: 8.553 min Scan# 21

Delta R.T. 0.003 min

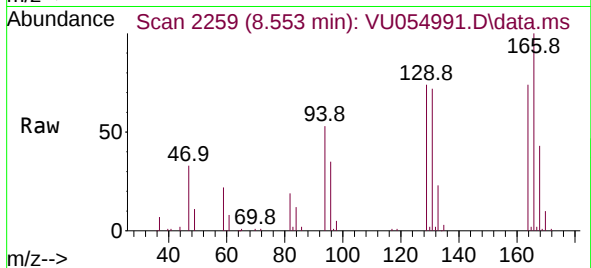
Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 39247

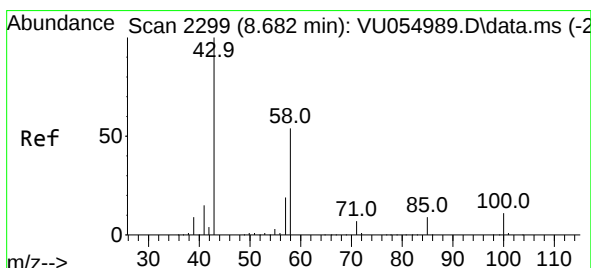
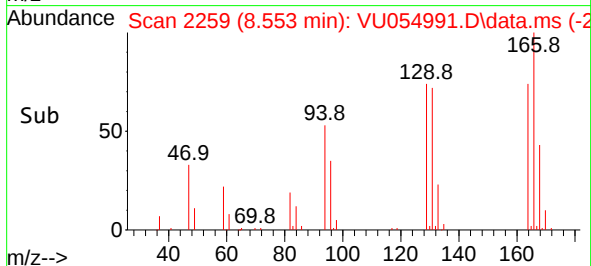
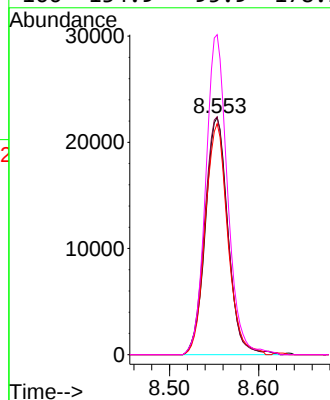
Ion Ratio Lower Upper

164 100

129 100.3 72.8 135.2

131 97.4 70.7 131.3

166 134.9 95.9 178.1



#48

2-Hexanone

Concen: 2.041 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Tgt Ion: 43 Resp: 8888

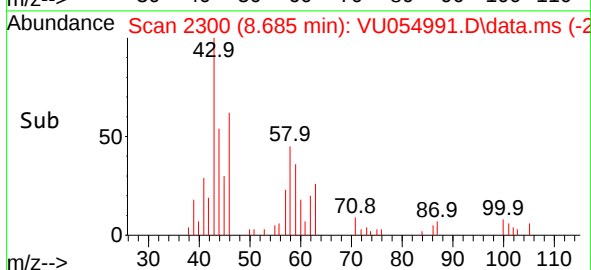
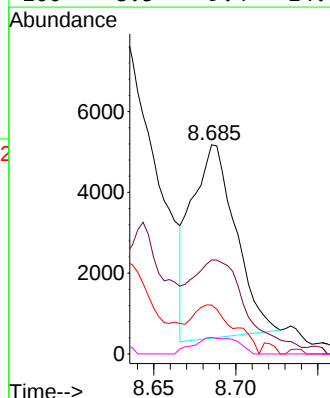
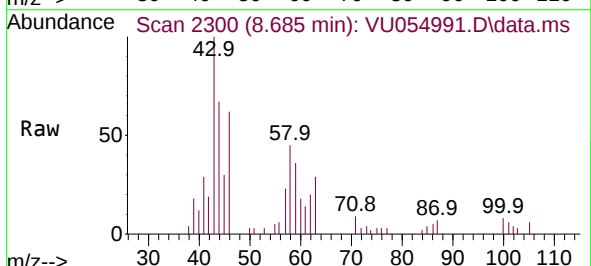
Ion Ratio Lower Upper

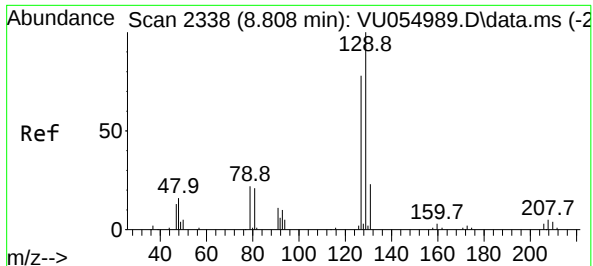
43 100

58 59.4 44.0 66.0

57 23.7 15.9 23.9

100 8.5 9.4 14.0#





#49

Dibromochloromethane

Concen: 4.851 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Instrument :

MSVOA_U

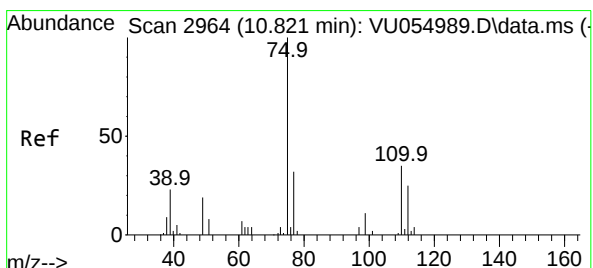
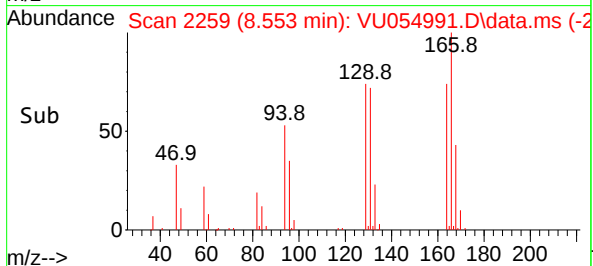
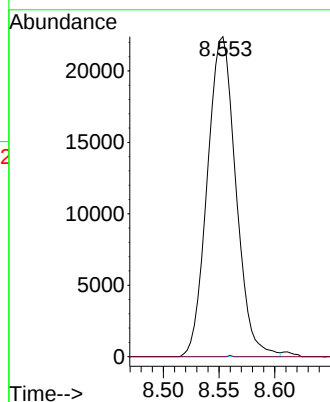
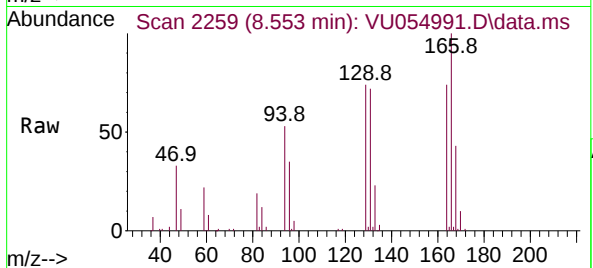
ClientSampleId :

Tgt Ion:129 Resp: 39998

Ion Ratio Lower Upper

129 100

127 0.0 60.5 112.5#



#61

1,2,3-Trichloropropane

Concen: 1.803 ug/L

RT: 11.810 min Scan# 3272

Delta R.T. 0.990 min

Lab File: VU054991.D

Acq: 30 Aug 2023 11:59

Tgt Ion: 75 Resp: 10778

Ion Ratio Lower Upper

75 100

110 2.1 29.0 43.6#

77 34.4 26.5 39.7

