

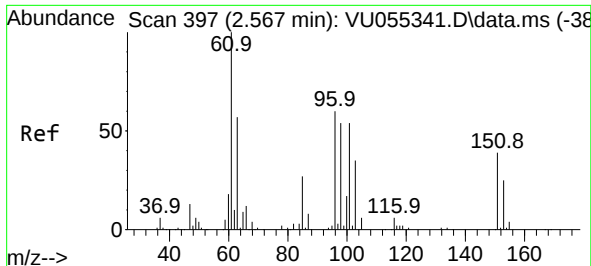
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091523\
 Data File : VU055351.D
 Acq On : 15 Sep 2023 20:15
 Operator : MD/SY
 Sample : 04380-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 16 00:45:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 16 00:42:29 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	181013	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	188650	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	90212	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	57488	5.526	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 110.600%		
7) Chloroethane-d5	1.911	69	64408	5.485	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 109.600%		
11) 1,1-Dichloroethene-d2	2.563	65	20377	5.415	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 108.200%		
20) 2-Butanone-d5	4.631	46	184748	64.215	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 128.440%		
24) Chloroform-d	5.062	84	126158	5.429	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 108.600%		
26) 1,2-Dichloroethane-d4	5.698	65	69025	5.887	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 117.800%		
32) Benzene-d6	5.724	84	219361	5.547	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 111.000%		
36) 1,2-Dichloropropane-d6	6.688	67	79217	5.879	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 117.600%		
41) Toluene-d8	7.897	98	176396	5.174	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 103.400%		
43) trans-1,3-Dichloroprop...	8.180	79	25500	5.333	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 106.600%		
46) 2-Hexanone-d5	8.631	63	101420	58.303	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 116.600%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	67640	5.773	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 115.400%		
66) 1,2-Dichlorobenzene-d4	12.193	152	67462	5.807	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 116.200%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.573	96	2423	0.190	ug/L #	1
17) Methyl tert-butyl Ether	3.361	73	34938	1.145	ug/L	99
19) 1,1-Dichloroethane	3.865	63	3300	0.121	ug/L #	91
22) cis-1,2-Dichloroethene	4.663	96	38213	2.332	ug/L	91
34) Trichloroethene	6.541	95	46115	2.595	ug/L	93
35) Methylcyclohexane	6.685	83	17954	0.695	ug/L #	20
37) 1,2-Dichloropropane	6.688	63	9220	0.562	ug/L #	89
48) 2-Hexanone	8.679	43	25311	4.316	ug/L #	82
61) 1,2,3-Trichloropropane	11.810	75	12568	1.439	ug/L #	65

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



#12

1,1-Dichloroethene

Concen: 0.190 ug/L

RT: 2.573 min Scan# 397

Delta R.T. 0.006 min

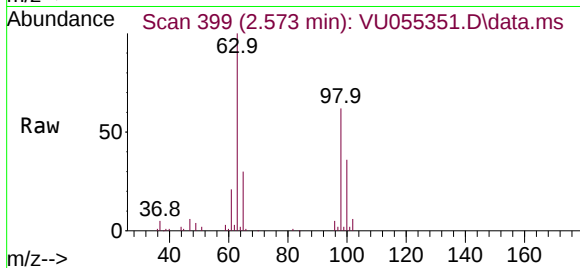
Lab File: VU055351.D

Acq: 15 Sep 2023 20:15

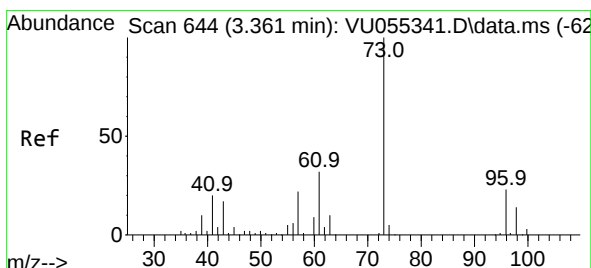
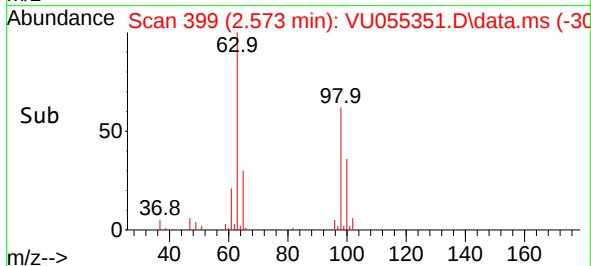
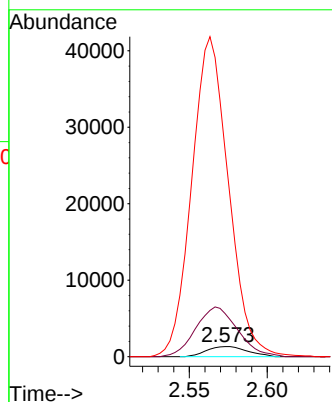
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	2423
Ion	Ratio	Lower	Upper
96	100		
61	428.4	122.8	228.0#
63	2054.9	71.7	133.3#



#17

Methyl tert-butyl Ether

Concen: 1.145 ug/L

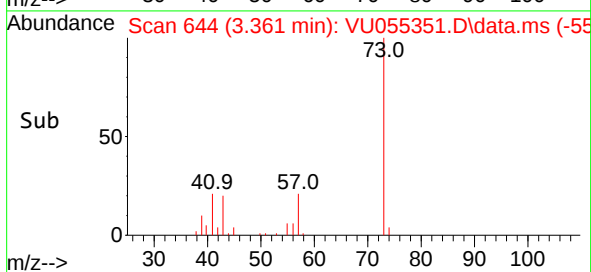
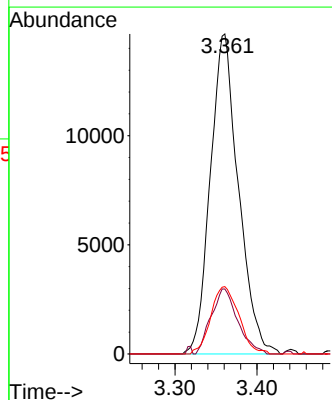
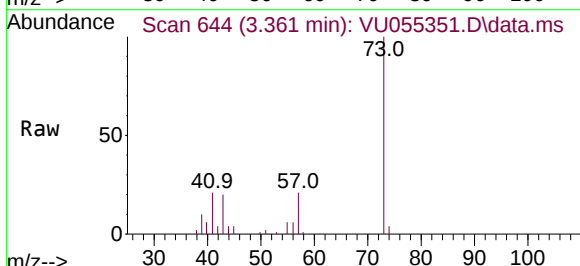
RT: 3.361 min Scan# 644

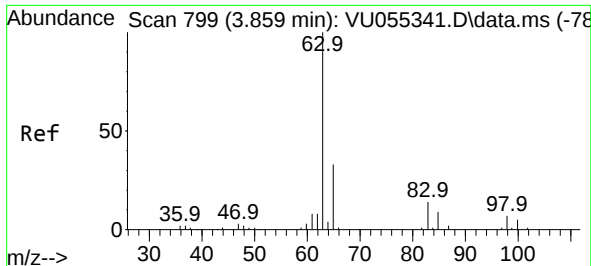
Delta R.T. -0.000 min

Lab File: VU055351.D

Acq: 15 Sep 2023 20:15

Tgt Ion:	73	Resp:	34938
Ion	Ratio	Lower	Upper
73	100		
43	19.3	16.0	24.0
57	21.0	17.2	25.8





#19

1,1-Dichloroethane

Concen: 0.121 ug/L

RT: 3.865 min Scan# 801

Delta R.T. 0.006 min

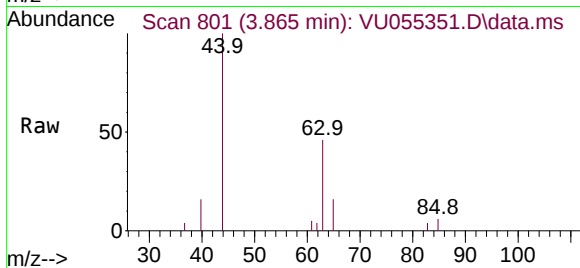
Lab File: VU055351.D

Acq: 15 Sep 2023 20:15

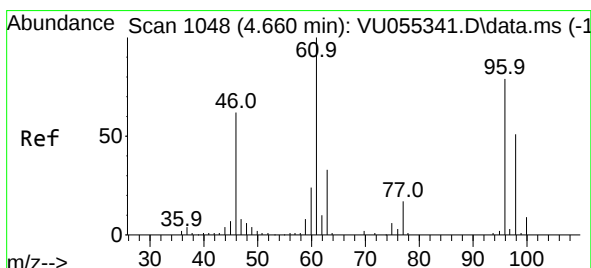
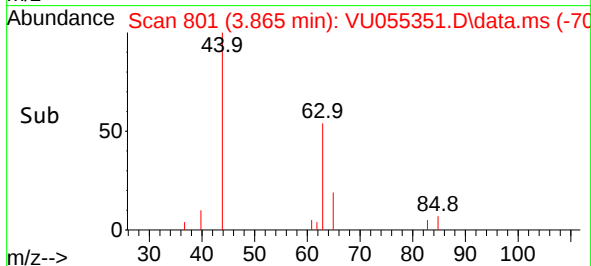
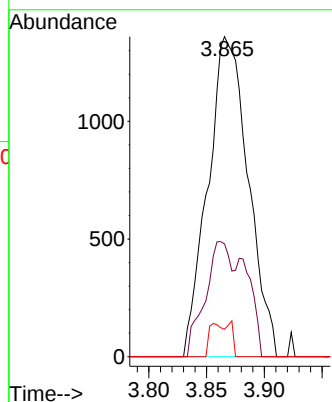
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	63	Resp:	3300
Ion Ratio	Lower	Upper	
63	100		
65	35.2	21.8	40.6
83	8.5	9.7	17.9#



#22

cis-1,2-Dichloroethene

Concen: 2.332 ug/L

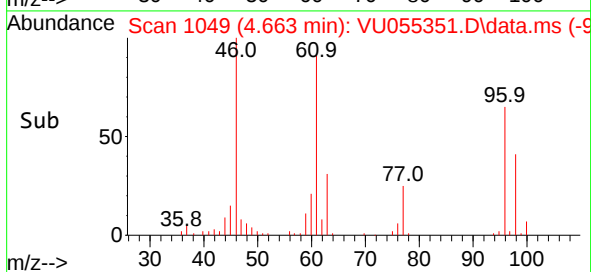
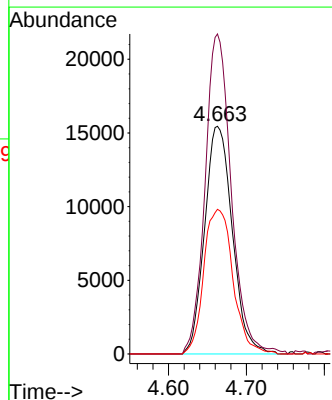
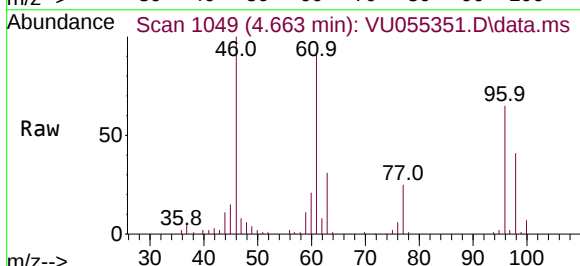
RT: 4.663 min Scan# 1049

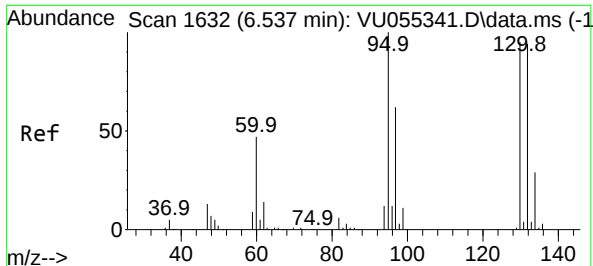
Delta R.T. 0.003 min

Lab File: VU055351.D

Acq: 15 Sep 2023 20:15

Tgt Ion:	96	Resp:	38213
Ion Ratio	Lower	Upper	
96	100		
61	140.5	88.1	163.7
98	63.5	43.5	80.7





#34

Trichloroethene

Concen: 2.595 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.003 min

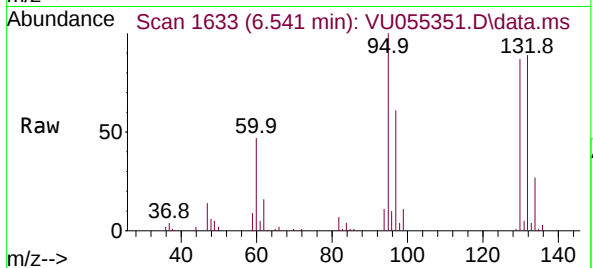
Lab File: VU055351.D

Acq: 15 Sep 2023 20:15

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 46115

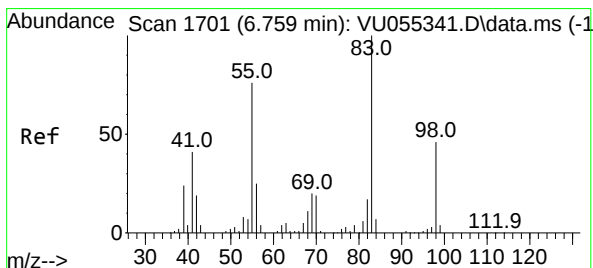
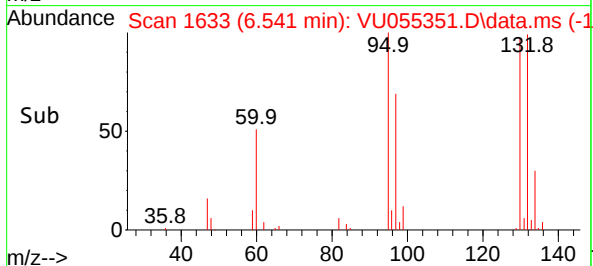
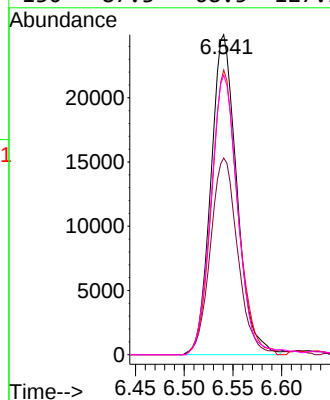
Ion Ratio Lower Upper

95 100

97 61.5 47.4 88.0

132 89.0 60.5 112.3

130 87.3 68.5 127.1



#35

Methylcyclohexane

Concen: 0.695 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU055351.D

Acq: 15 Sep 2023 20:15

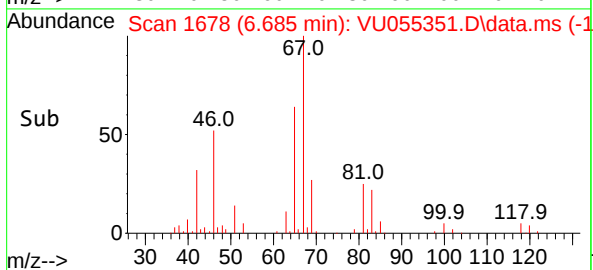
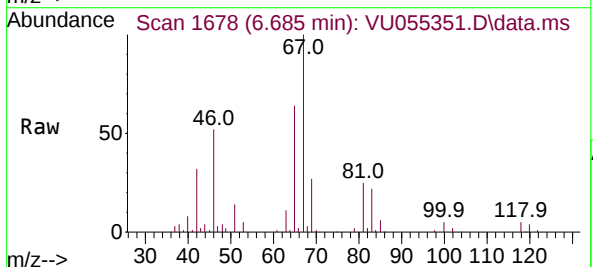
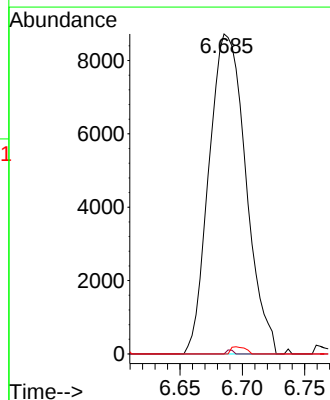
Tgt Ion: 83 Resp: 17954

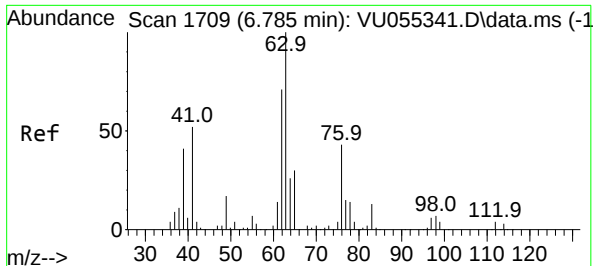
Ion Ratio Lower Upper

83 100

55 0.2 58.7 88.1#

98 0.9 36.3 54.5#

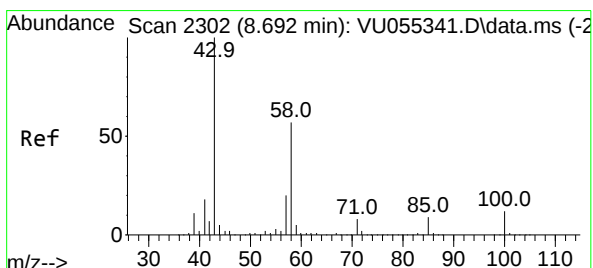
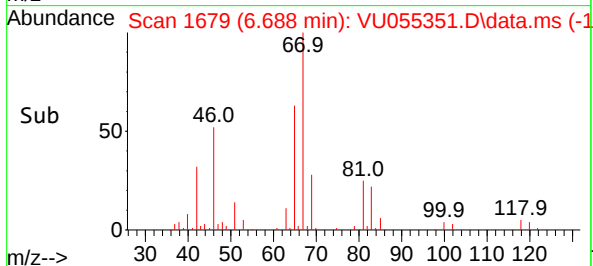
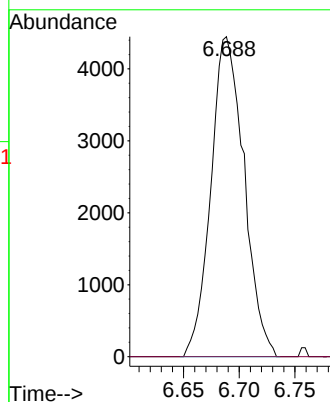
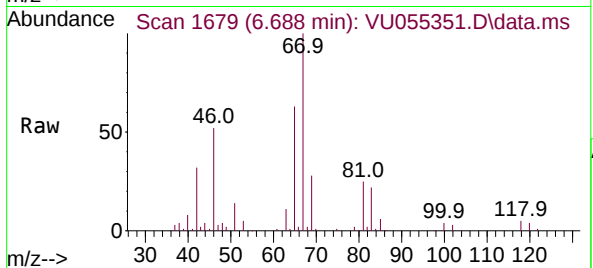




#37
1,2-Dichloropropane
Concen: 0.562 ug/L
RT: 6.688 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU055351.D
Acq: 15 Sep 2023 20:15

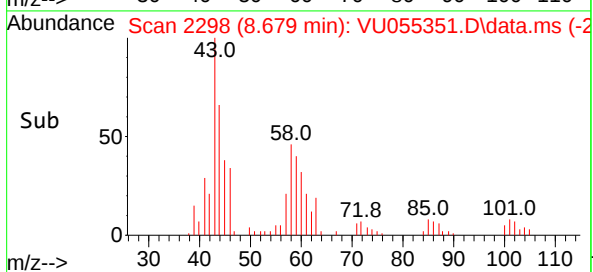
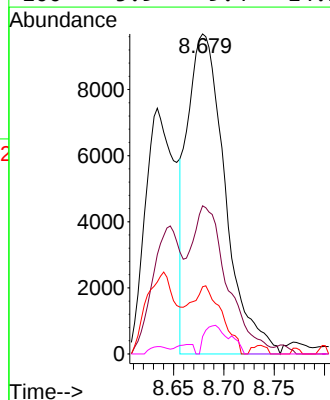
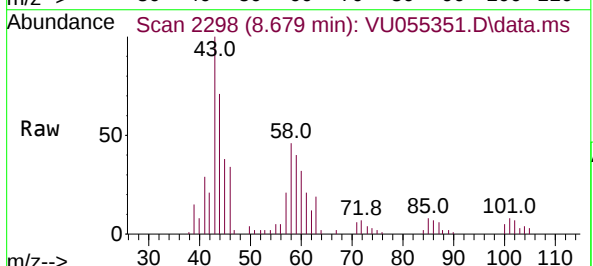
Instrument :
MSVOA_U
ClientSampleId :

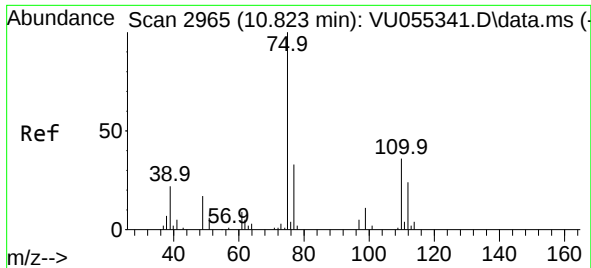
Tgt Ion: 63 Resp: 9220
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



#48
2-Hexanone
Concen: 4.316 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. -0.013 min
Lab File: VU055351.D
Acq: 15 Sep 2023 20:15

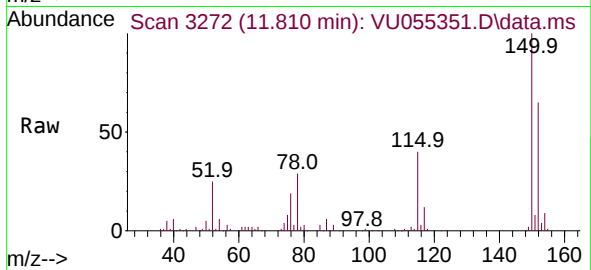
Tgt Ion: 43 Resp: 25311
Ion Ratio Lower Upper
43 100
58 43.2 47.8 71.6#
57 16.6 15.4 23.2
100 5.9 9.4 14.2#





#61
 1,2,3-Trichloropropane
 Concen: 1.439 ug/L
 RT: 11.810 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU055351.D
 Acq: 15 Sep 2023 20:15

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
110	1.8	31.4	47.2#
77	34.0	26.0	39.0

