

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053712.D
 Acq On : 14 Apr 2023 14:38
 Operator : JC/MD
 Sample : 02254-17DL2 200X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB6DL2

Quant Time: Apr 15 05:32:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 15 05:28:57 2023
 Response via : Initial Calibration

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

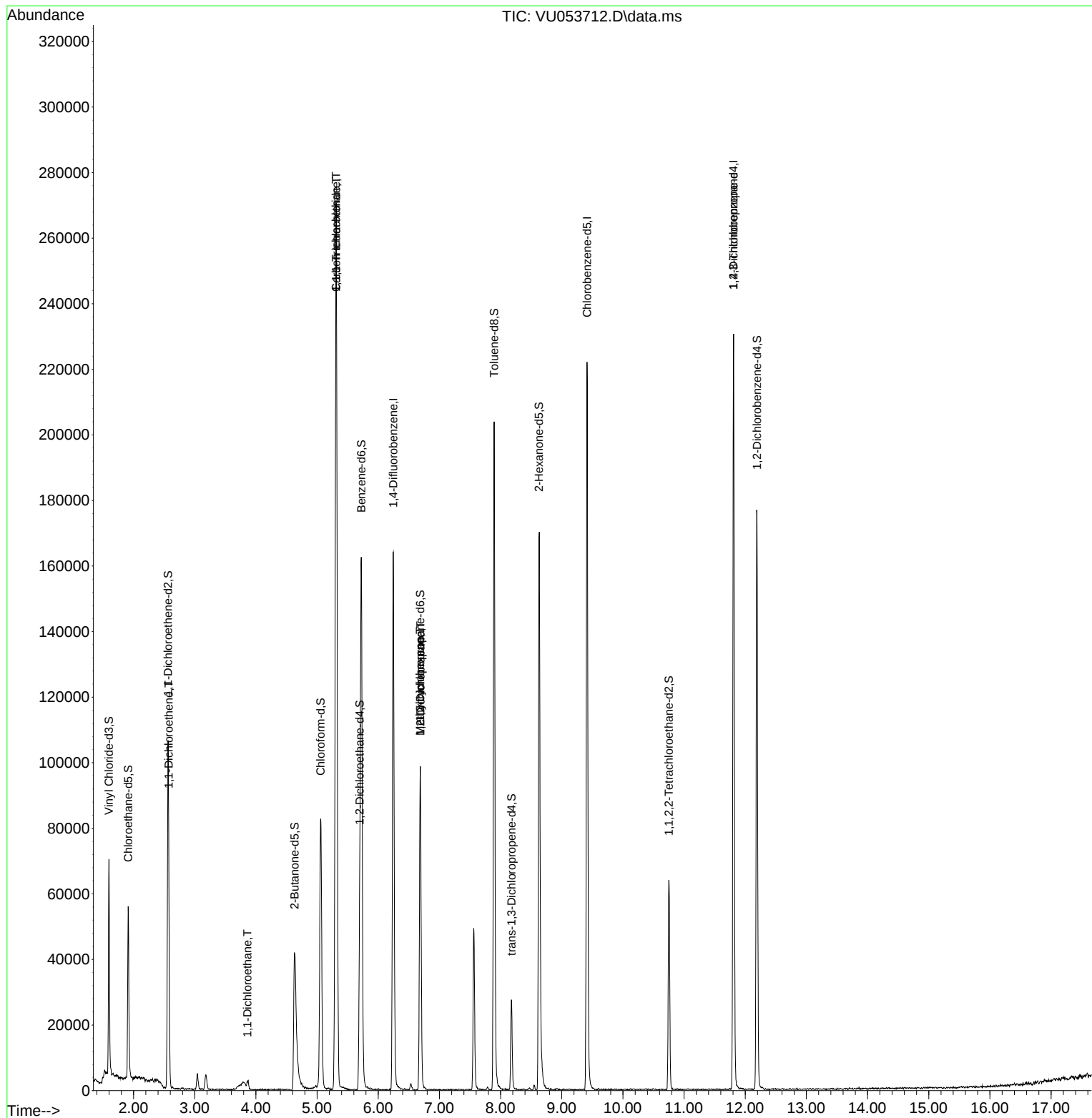
Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	140989	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	129693	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	63797	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	49450	5.098	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.000%
7) Chloroethane-d5	1.912	69	39530	4.491	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.565	65	18168	4.397	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.000%
20) 2-Butanone-d5	4.632	46	75180	33.835	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	67.680%
24) Chloroform-d	5.057	84	77486	4.309	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	5.697	65	36925	4.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
32) Benzene-d6	5.722	84	158778	4.320	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.687	67	48503	4.331	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.896	98	144201	4.159	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
43) trans-1,3-Dichloroprop...	8.179	79	17449	4.060	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.200%
46) 2-Hexanone-d5	8.629	63	64853	37.150	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.300%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	34046	3.652	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	49641	4.325	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.575	96	5828	0.730	ug/L #	1
19) 1,1-Dichloroethane	3.861	63	3601	0.236	ug/L	90
29) 1,1,1-Trichloroethane	5.311	97	196017	15.309	ug/L	96
31) Carbon tetrachloride	5.311	117	26710	2.465	ug/L	98
35) Methylcyclohexane	6.684	83	11243	0.708	ug/L #	22
37) 1,2-Dichloropropane	6.690	63	5123	0.558	ug/L #	89
61) 1,2,3-Trichloropropane	11.809	75	7399	1.400	ug/L #	67

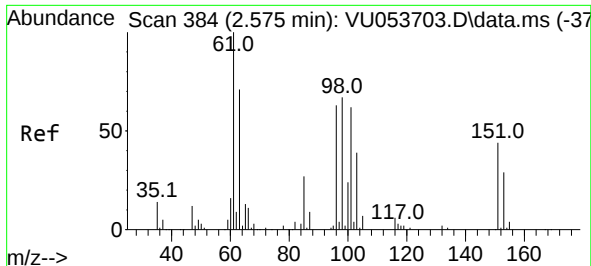
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.730 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU053712.D

Acq: 14 Apr 2023 14:38

Instrument :

MSVOA_U

ClientSampleId :

C0AB6DL2

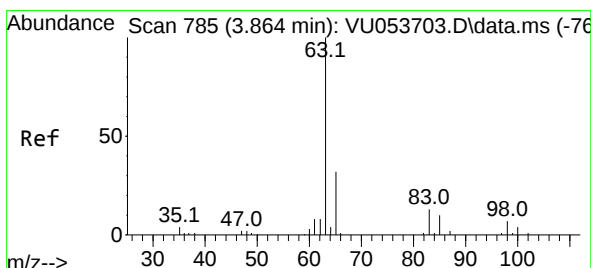
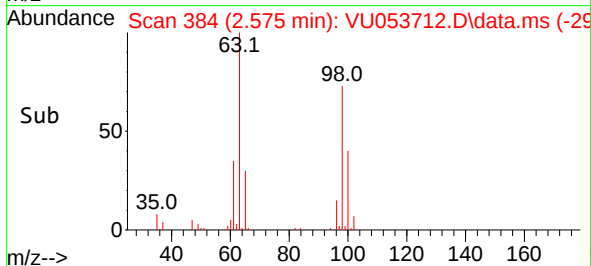
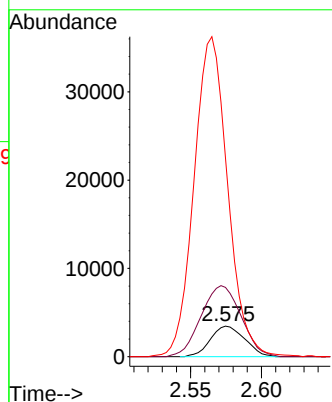
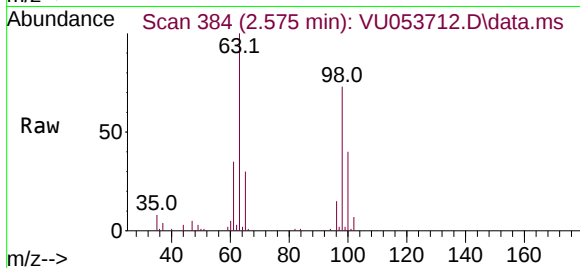
Tgt Ion: 96 Resp: 5828

Ion Ratio Lower Upper

96 100

61 226.0 116.8 216.8#

63 648.8 88.6 164.6#



#19

1,1-Dichloroethane

Concen: 0.236 ug/L

RT: 3.861 min Scan# 784

Delta R.T. -0.003 min

Lab File: VU053712.D

Acq: 14 Apr 2023 14:38

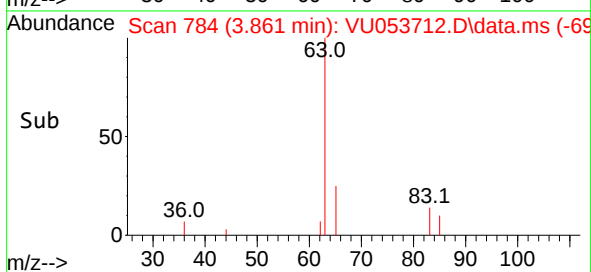
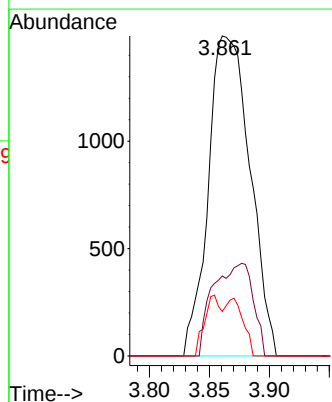
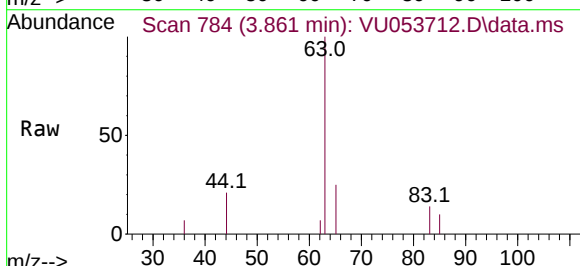
Tgt Ion: 63 Resp: 3601

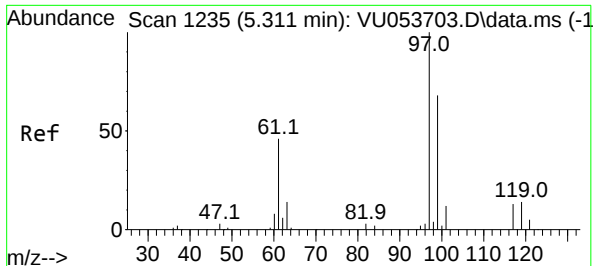
Ion Ratio Lower Upper

63 100

65 25.0 21.7 40.3

83 13.9 8.1 15.1





#29

1,1,1-Trichloroethane

Concen: 15.309 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053712.D

Acq: 14 Apr 2023 14:38

Instrument :

MSVOA_U

ClientSampleId :

C0AB6DL2

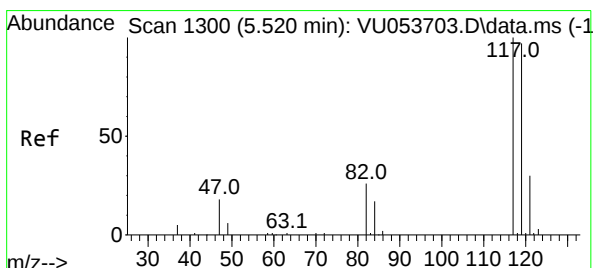
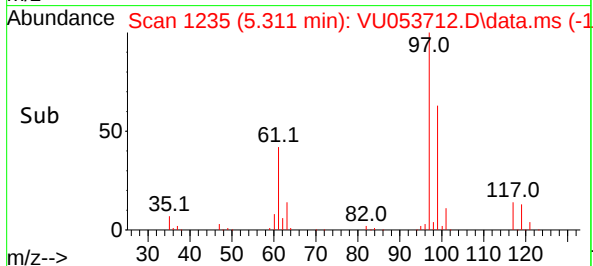
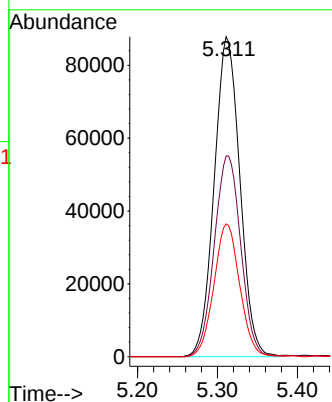
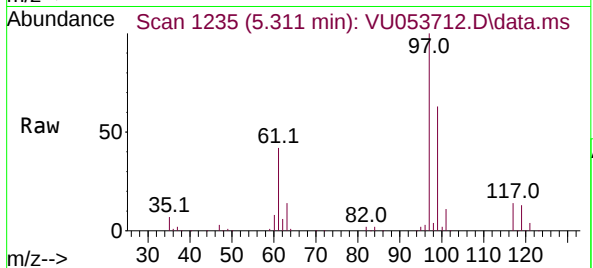
Tgt Ion: 97 Resp: 196017

Ion Ratio Lower Upper

97 100

99 64.8 49.9 74.9

61 41.6 35.7 53.5



#31

Carbon tetrachloride

Concen: 2.465 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.209 min

Lab File: VU053712.D

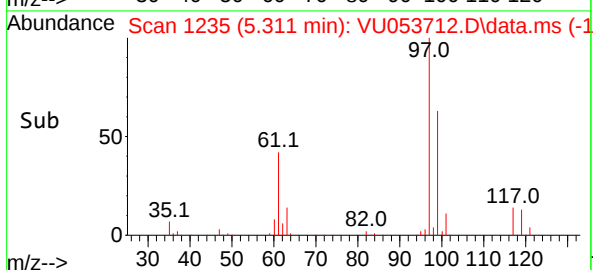
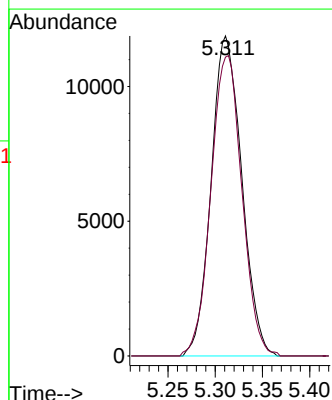
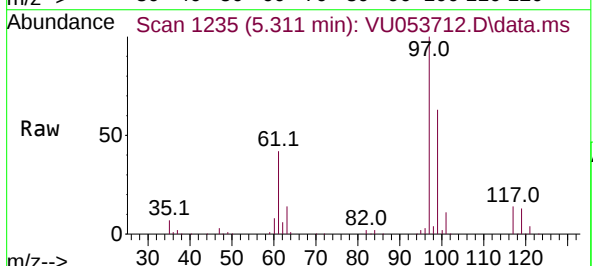
Acq: 14 Apr 2023 14:38

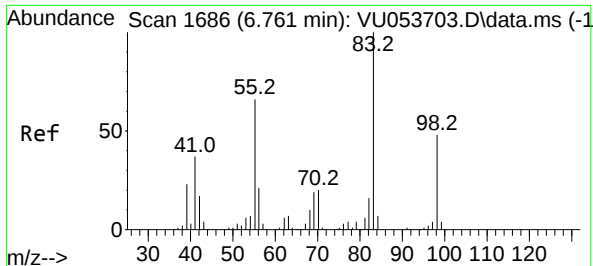
Tgt Ion: 117 Resp: 26710

Ion Ratio Lower Upper

117 100

119 95.1 77.7 116.5





#35

Methylcyclohexane

Concen: 0.708 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU053712.D

Acq: 14 Apr 2023 14:38

Instrument :

MSVOA_U

ClientSampleId :

C0AB6DL2

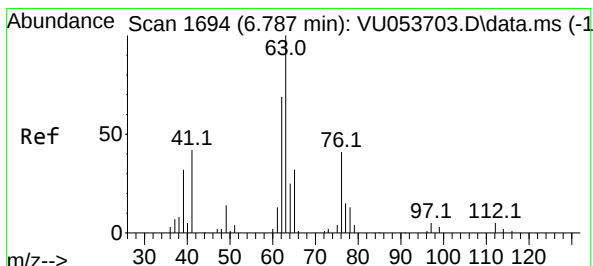
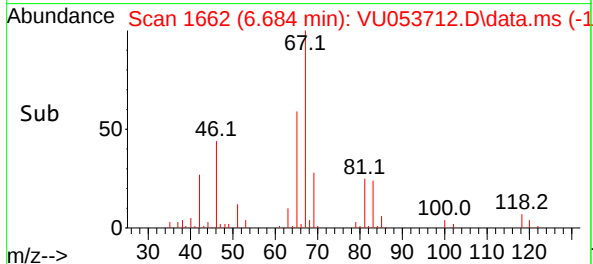
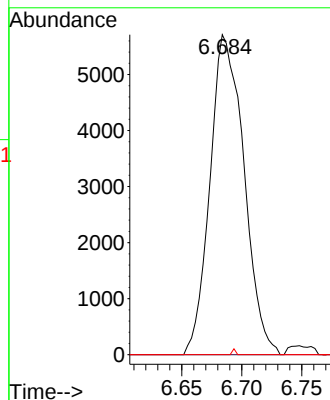
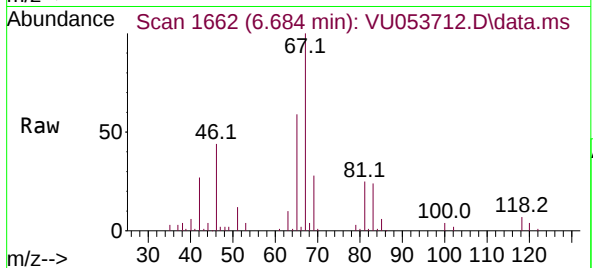
Tgt Ion: 83 Resp: 11243

Ion Ratio Lower Upper

83 100

55 0.0 54.9 82.3#

98 0.2 34.9 52.3#



#37

1,2-Dichloropropane

Concen: 0.558 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.097 min

Lab File: VU053712.D

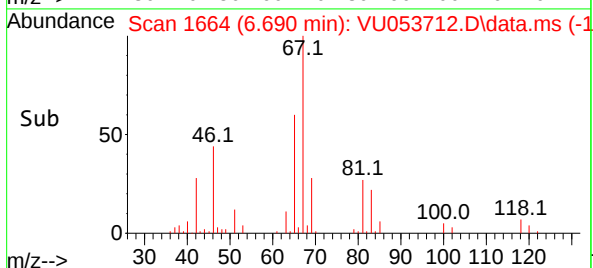
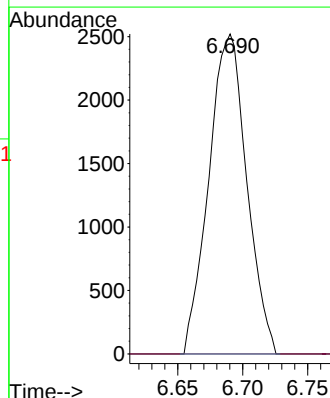
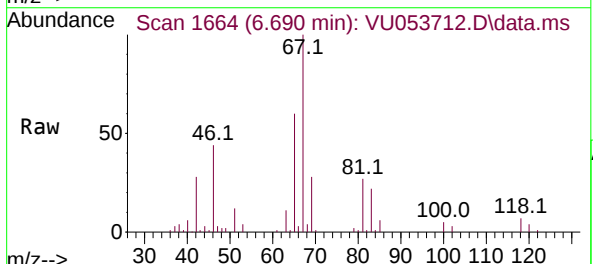
Acq: 14 Apr 2023 14:38

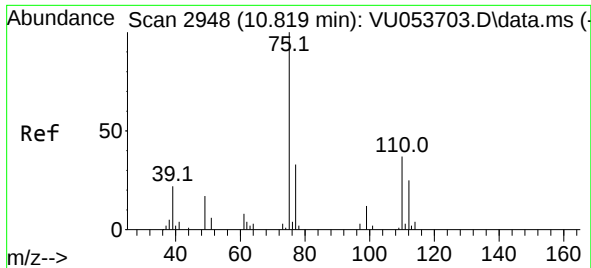
Tgt Ion: 63 Resp: 5123

Ion Ratio Lower Upper

63 100

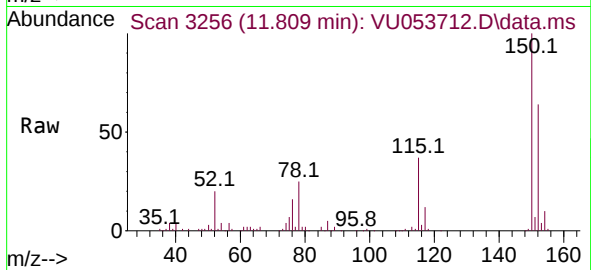
112 0.0 3.0 4.4#





#61
 1,2,3-Trichloropropane
 Concen: 1.400 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU053712.D
 Acq: 14 Apr 2023 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB6DL2



Tgt Ion:	75	Resp:	7399
Ion	Ratio	Lower	Upper
75	100		
110	1.3	30.6	46.0#
77	33.1	26.1	39.1

