

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080822\
 Data File : VU050154.D
 Acq On : 08 Aug 2022 23:51
 Operator : SY/MD
 Sample : N4070-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJL8

Quant Time: Aug 09 05:17:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 09 03:59:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	86359	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	86504	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	32524	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	22504	3.131	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.600%
7) Chloroethane-d5	1.909	69	22122	3.815	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.400%
11) 1,1-Dichloroethene-d2	2.562	65	9281	3.304	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.000%
20) 2-Butanone-d5	4.623	46	93956	53.610	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.220%
24) Chloroform-d	5.063	84	57204	4.279	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
26) 1,2-Dichloroethane-d4	5.703	65	31855	4.641	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
32) Benzene-d6	5.729	84	105885	3.922	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.400%
36) 1,2-Dichloropropane-d6	6.693	67	40390	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.899	98	83949	3.521	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.400%
43) trans-1,3-Dichloroprop...	8.182	79	12325	3.869	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.400%
46) 2-Hexanone-d5	8.636	63	56922	50.389	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.780%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	36620	4.691	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	29195	4.581	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	1482	0.187	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	125777	22.253	ug/L	96
12) 1,1-Dichloroethene	2.578	96	4893	0.820	ug/L #	28
18) trans-1,2-Dichloroethene	3.356	96	713	0.107	ug/L	78
19) 1,1-Dichloroethane	3.874	63	3790	0.299	ug/L	97
21) 2-Butanone	4.809	43	22888	13.041	ug/L #	62
22) cis-1,2-Dichloroethene	4.668	96	237194	31.973	ug/L	99
25) Chloroform	5.083	83	1120	0.083	ug/L	77
29) 1,1,1-Trichloroethane	5.324	97	620	0.058	ug/L #	77
34) Trichloroethene	6.542	95	986257	134.548	ug/L	97
35) Methylcyclohexane	6.693	83	8916	0.942	ug/L #	24
37) 1,2-Dichloropropane	6.697	63	4147	0.514	ug/L #	89
47) Tetrachloroethene	8.555	164	24551	4.675	ug/L	97
49) Dibromochloromethane	8.552	129	23632	3.538	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	3822	0.863	ug/L #	68
67) 1,2-Dichlorobenzene	12.214	146	844	0.080	ug/L #	82

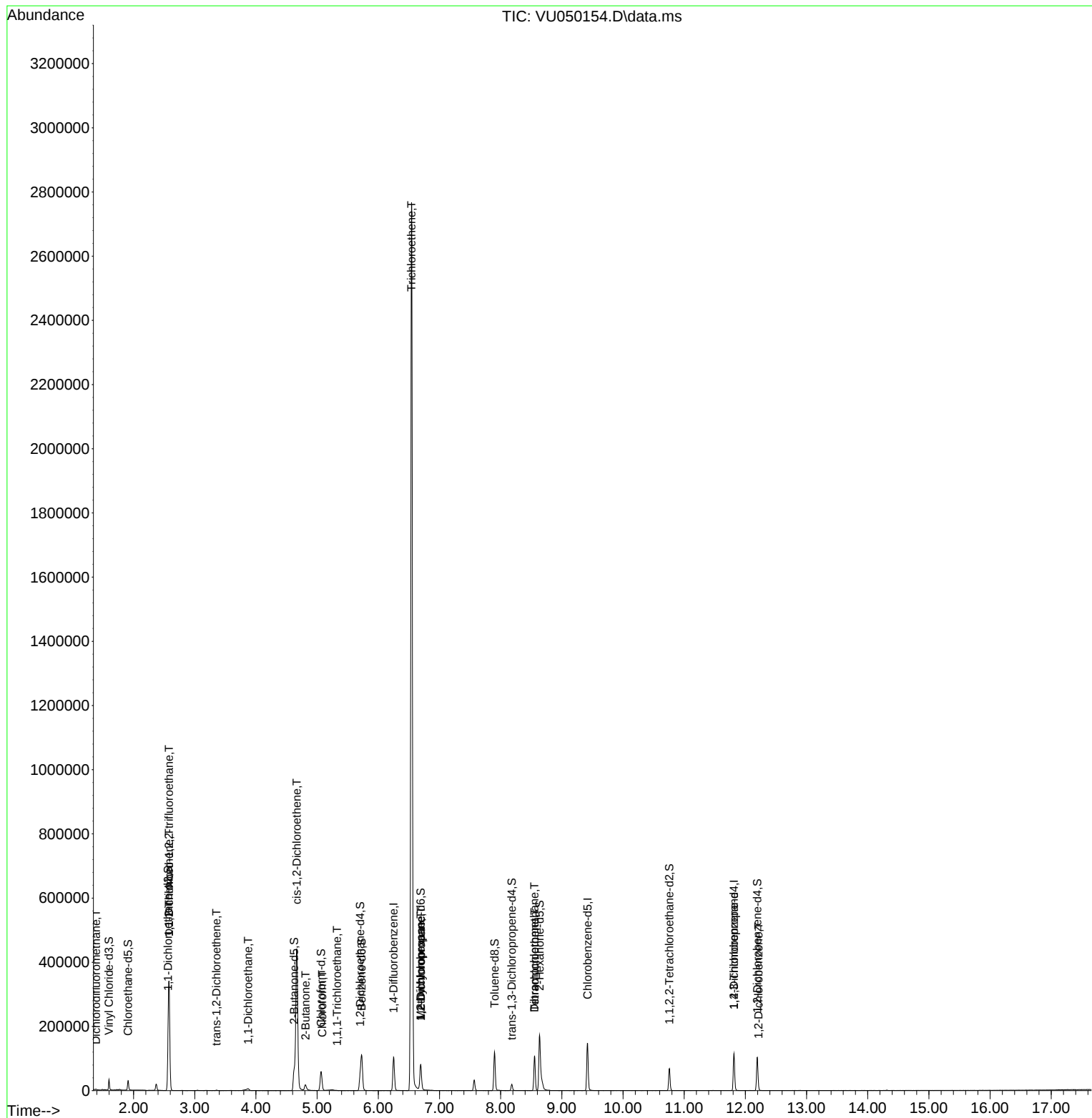
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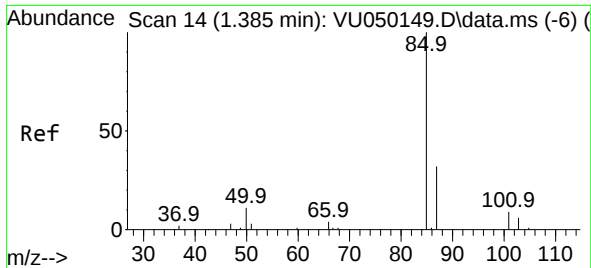
Instrument :
MSVOA_U
ClientSampleId :
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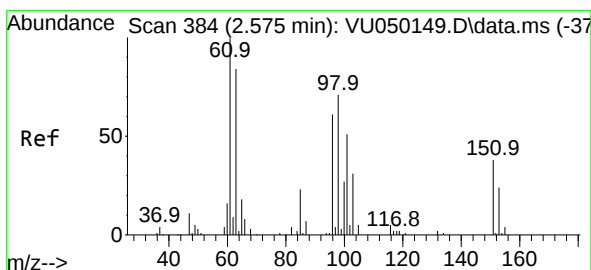
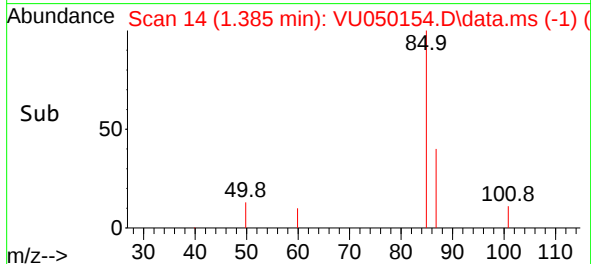
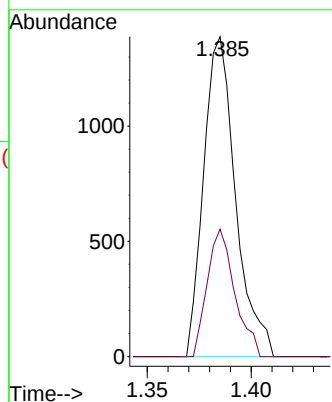
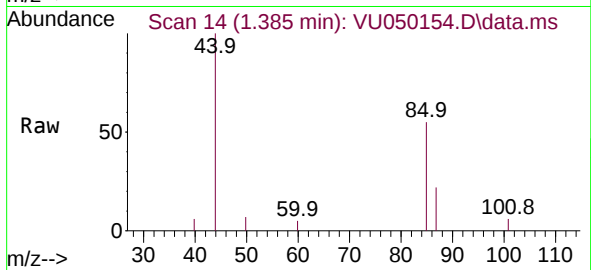




#2
Dichlorodifluoromethane
Concen: 0.187 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU050154.D
Acq: 08 Aug 2022 23:51

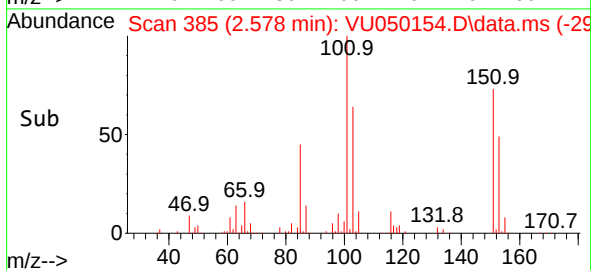
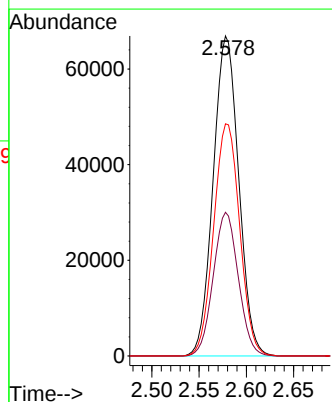
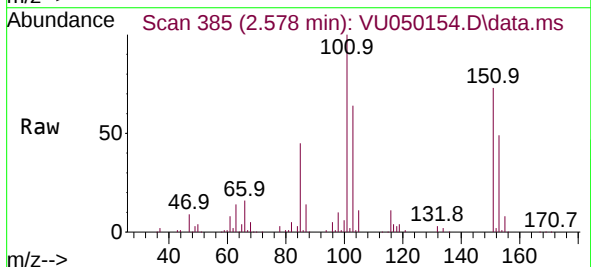
Instrument :
MSVOA_U
ClientSampleId :
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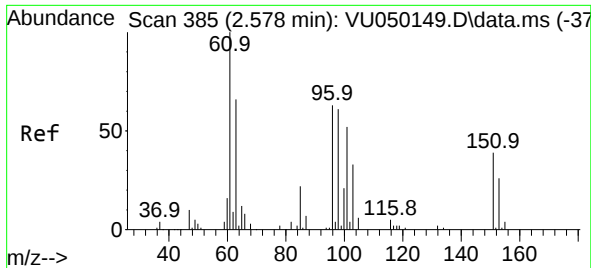
Tgt Ion: 85 Resp: 1482
Ion Ratio Lower Upper
85 100
87 34.4 26.2 39.4



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 22.253 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU050154.D
Acq: 08 Aug 2022 23:51

Tgt Ion:101 Resp: 125777
Ion Ratio Lower Upper
101 100
85 44.0 35.6 53.4
151 73.9 55.2 82.8





#12

1,1-Dichloroethene

Concen: 0.820 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU050154.D

Acq: 08 Aug 2022 23:51

Instrument :

MSVOA_U

ClientSampleId :

GBJL8

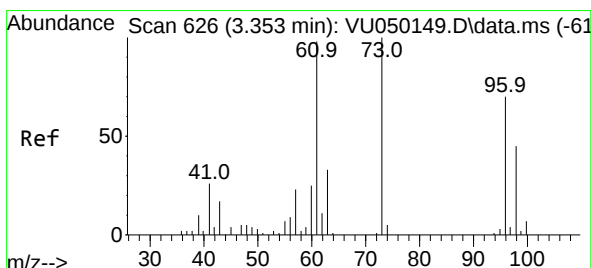
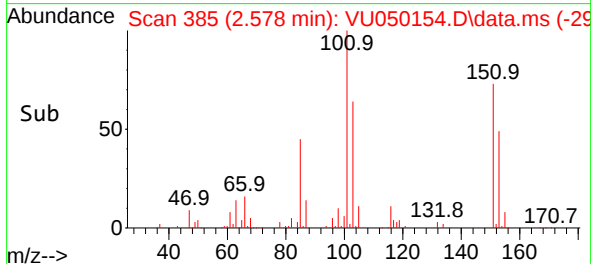
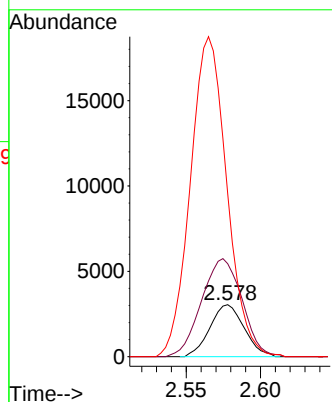
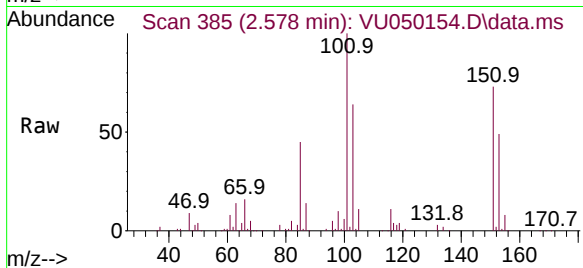
Tgt Ion: 96 Resp: 4893

Ion Ratio Lower Upper

96 100

61 179.1 122.7 227.9

63 313.7 85.1 158.1#



#18

trans-1,2-Dichloroethene

Concen: 0.107 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU050154.D

Acq: 08 Aug 2022 23:51

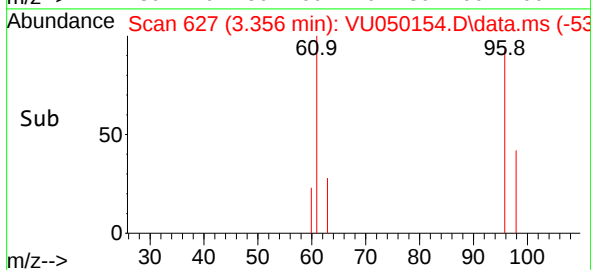
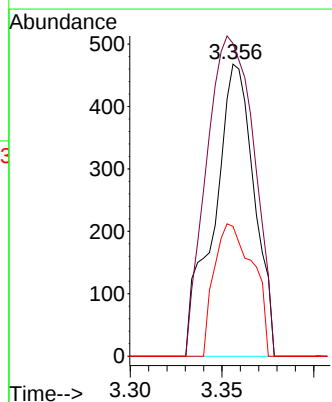
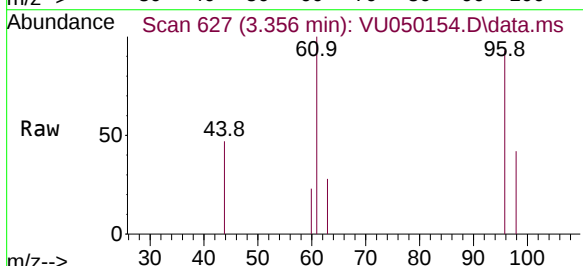
Tgt Ion: 96 Resp: 713

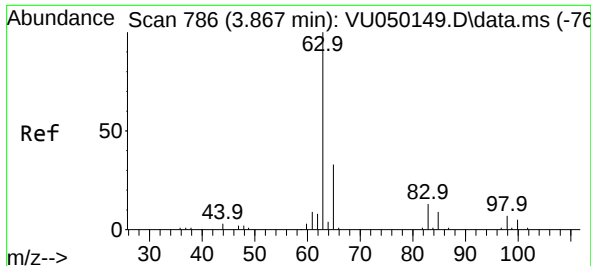
Ion Ratio Lower Upper

96 100

61 107.1 92.3 171.5

98 44.4 43.2 80.2

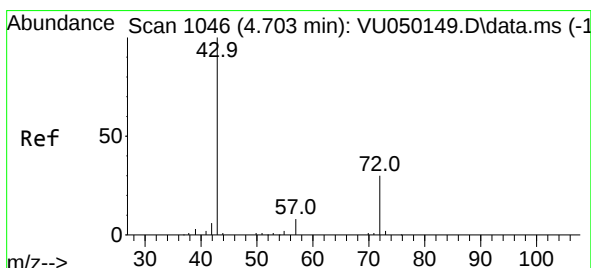
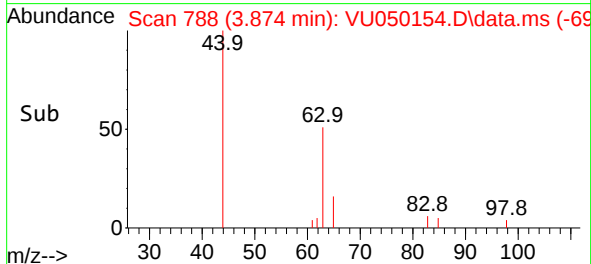
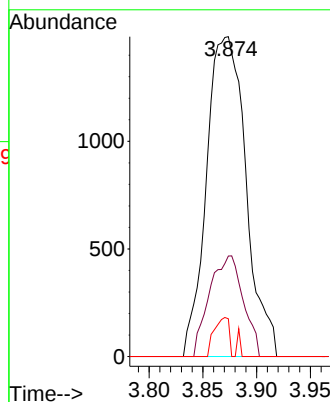
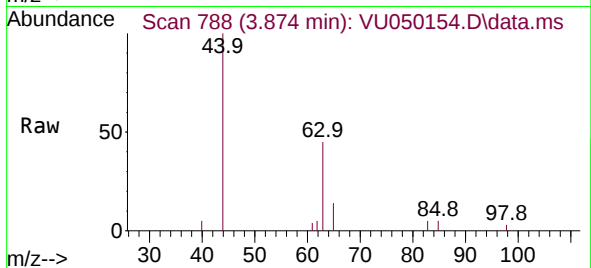




#19
1,1-Dichloroethane
Concen: 0.299 ug/L
RT: 3.874 min Scan# 71
Delta R.T. 0.006 min
Lab File: VU050154.D
Acq: 08 Aug 2022 23:51

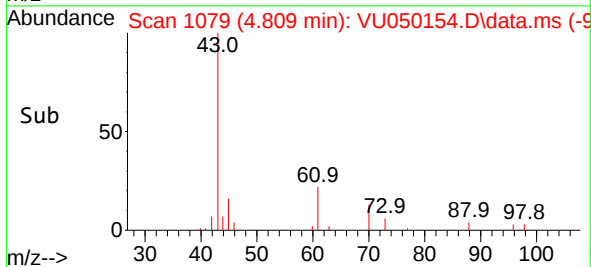
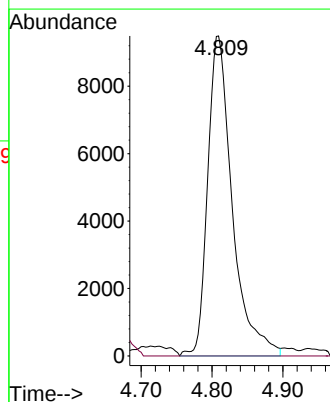
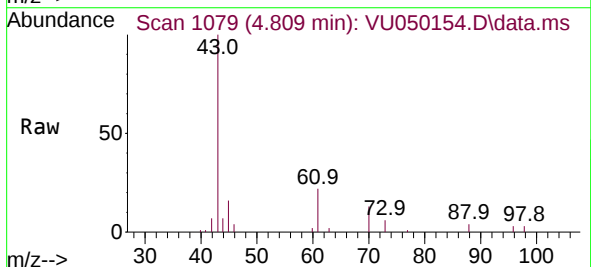
Instrument :
MSVOA_U
ClientSampleId :
GBJL8

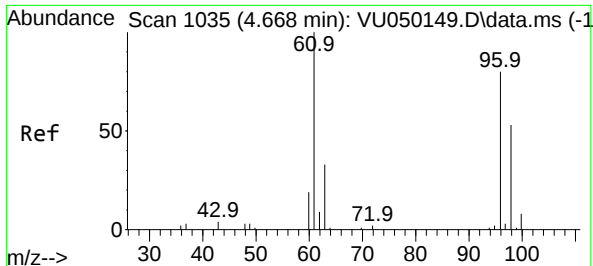
Tgt Ion: 63 Resp: 3790
Ion Ratio Lower Upper
63 100
65 31.4 22.7 42.3
83 11.8 9.8 18.2



#21
2-Butanone
Concen: 13.041 ug/L
RT: 4.809 min Scan# 1079
Delta R.T. 0.106 min
Lab File: VU050154.D
Acq: 08 Aug 2022 23:51

Tgt Ion: 43 Resp: 22888
Ion Ratio Lower Upper
43 100
72 7.9 14.0 42.0#





#22

cis-1,2-Dichloroethene

Concen: 31.973 ug/L

RT: 4.668 min Scan# 110

Delta R.T. -0.000 min

Lab File: VU050154.D

Acq: 08 Aug 2022 23:51

Instrument :

MSVOA_U

ClientSampleId :

GBJL8

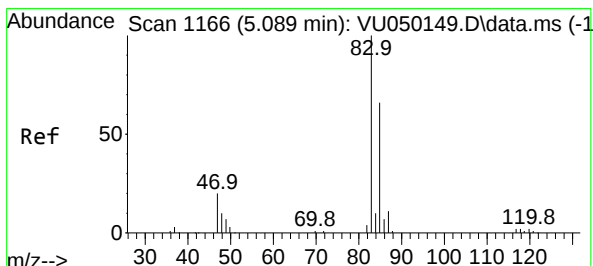
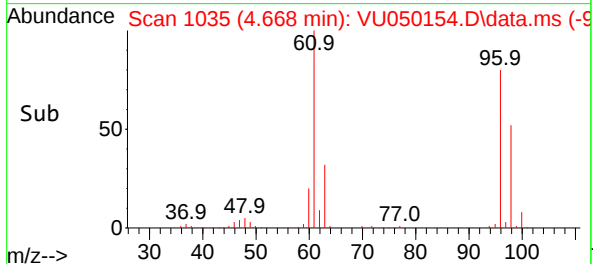
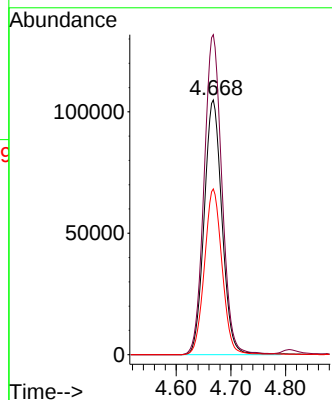
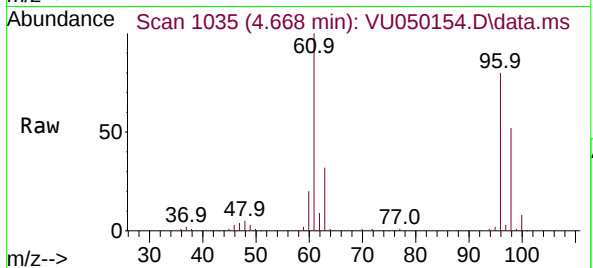
Tgt Ion: 96 Resp: 237194

Ion Ratio Lower Upper

96 100

61 125.6 89.0 165.4

98 65.1 45.2 84.0



#25

Chloroform

Concen: 0.083 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.007 min

Lab File: VU050154.D

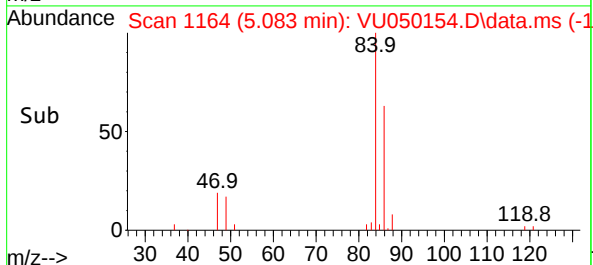
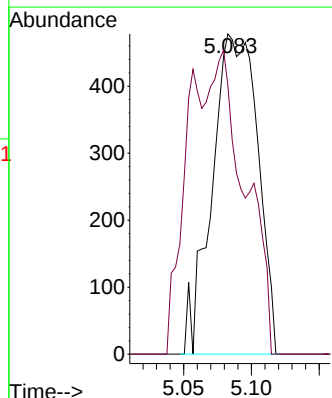
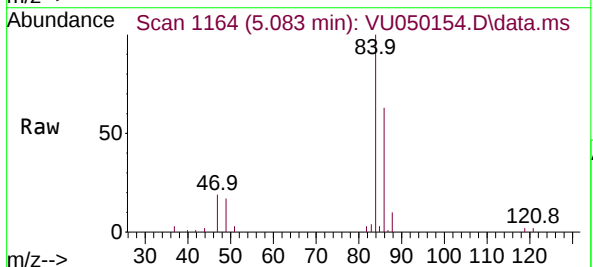
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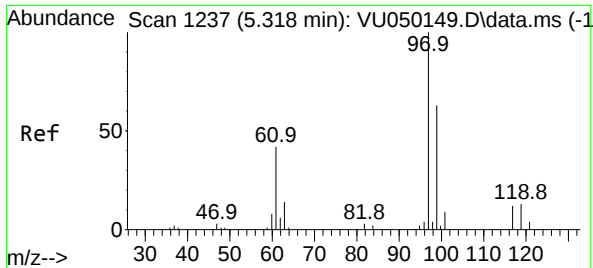
Tgt Ion: 83 Resp: 1120

Ion Ratio Lower Upper

83 100

85 83.9 46.1 85.5

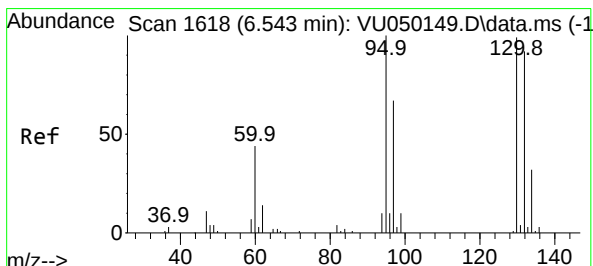
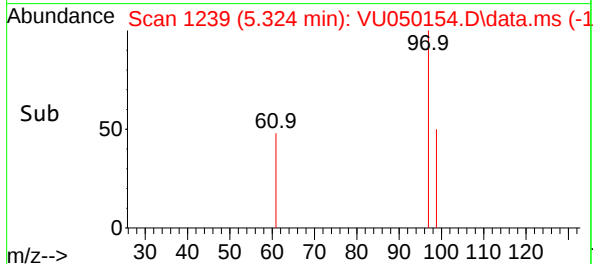
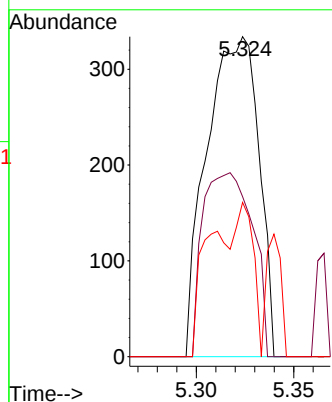
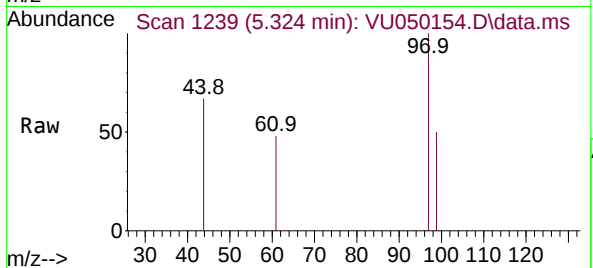




#29
1,1,1-Trichloroethane
Concen: 0.058 ug/L
RT: 5.324 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU050154.D
Acq: 08 Aug 2022 23:51

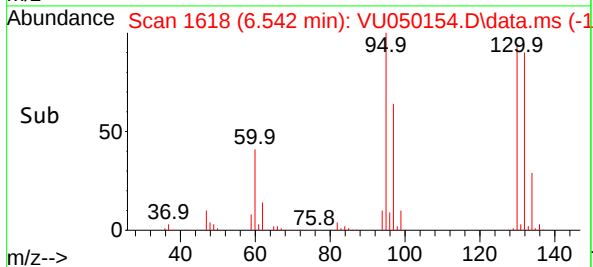
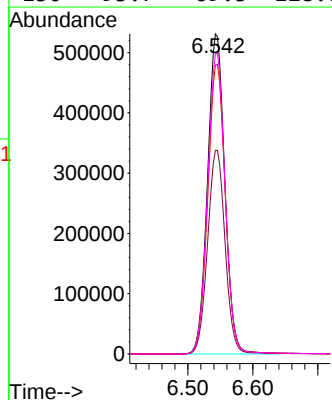
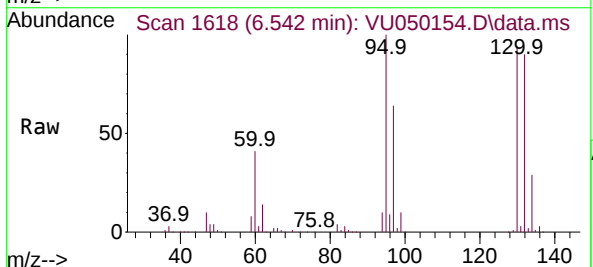
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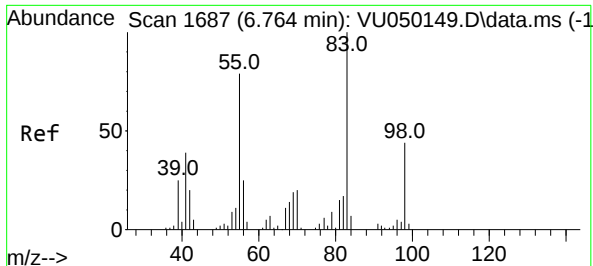
Tgt Ion: 97 Resp: 620
Ion Ratio Lower Upper
97 100
99 55.0 51.5 77.3
61 16.9 34.2 51.4#



#34
Trichloroethene
Concen: 134.548 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU050154.D
Acq: 08 Aug 2022 23:51

Tgt Ion: 95 Resp: 986257
Ion Ratio Lower Upper
95 100
97 63.6 45.6 84.8
132 90.2 65.0 120.6
130 93.7 69.3 128.7





#35

Methylcyclohexane

Concen: 0.942 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU050154.D

Acq: 08 Aug 2022 23:51

Instrument :

MSVOA_U

ClientSampleId :

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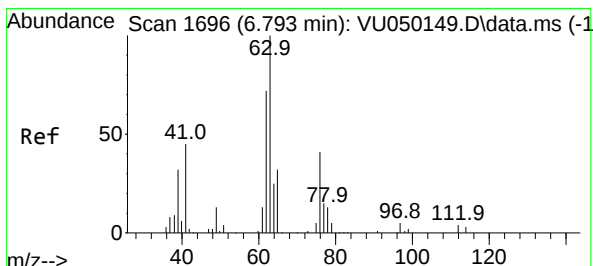
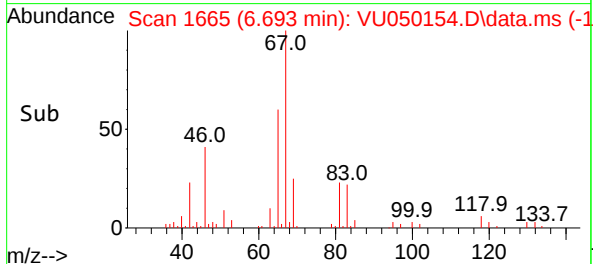
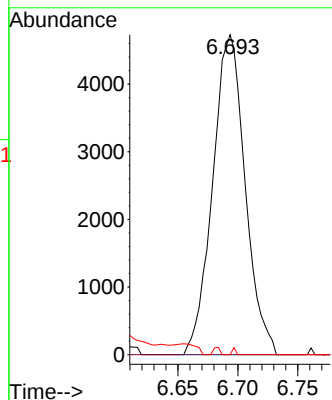
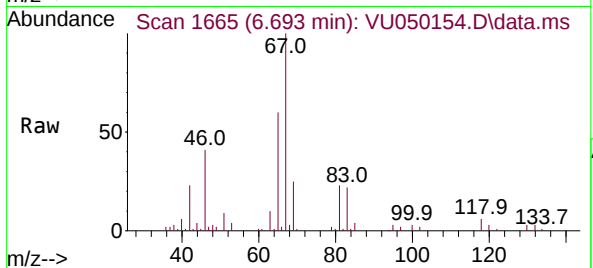
Tgt Ion: 83 Resp: 8916

Ion Ratio Lower Upper

83 100

55 0.0 62.7 94.1#

98 11.6 36.2 54.2#



#37

1,2-Dichloropropane

Concen: 0.514 ug/L

RT: 6.697 min Scan# 1666

Delta R.T. -0.097 min

Lab File: VU050154.D

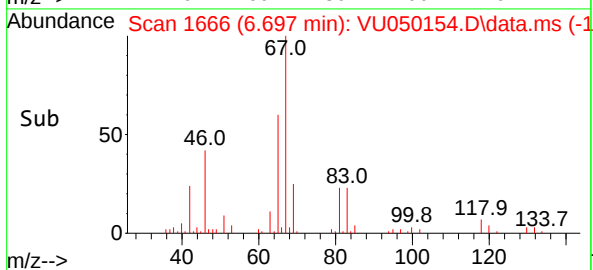
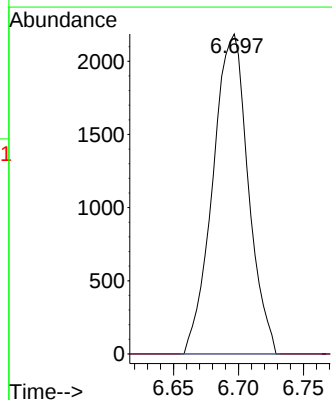
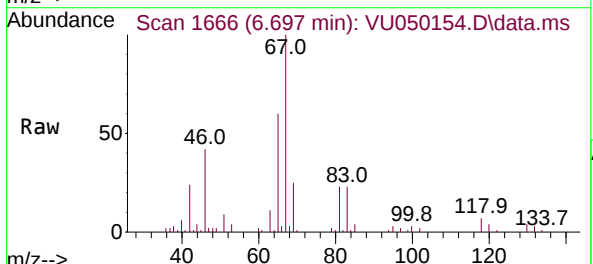
Acq: 08 Aug 2022 23:51

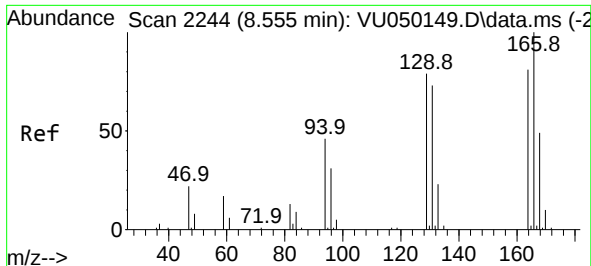
Tgt Ion: 63 Resp: 4147

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#





#47

Tetrachloroethene

Concen: 4.675 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU050154.D

Acq: 08 Aug 2022 23:51

Instrument :

MSVOA_U

ClientSampleId :

GBJL8

Tgt Ion:164 Resp: 24551

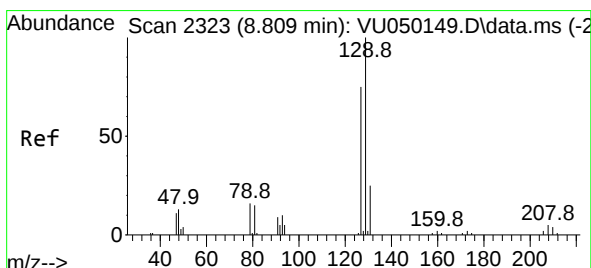
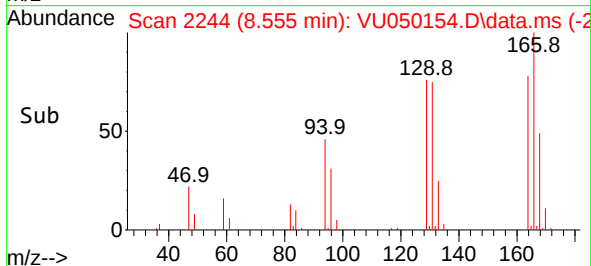
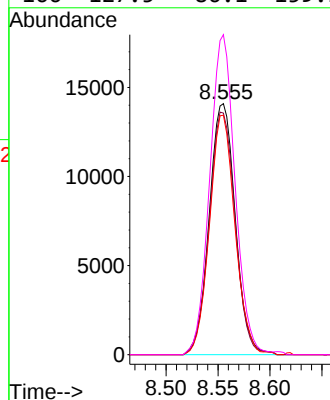
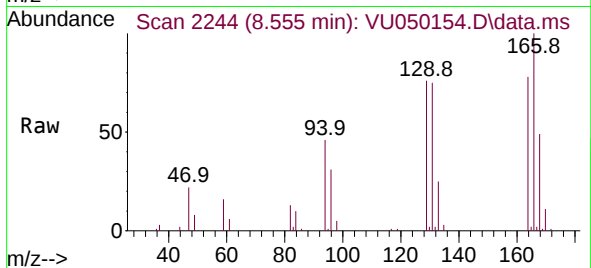
Ion Ratio Lower Upper

164 100

129 96.3 69.0 128.1

131 95.4 65.8 122.2

166 127.5 86.1 159.9



#49

Dibromochloromethane

Concen: 3.538 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.257 min

Lab File: VU050154.D

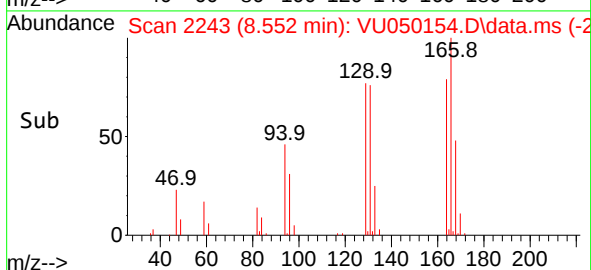
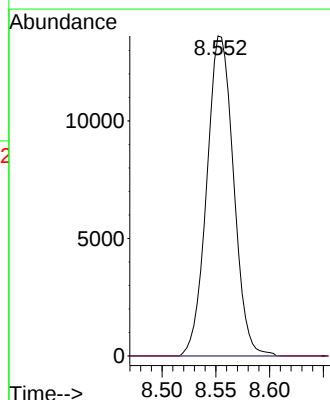
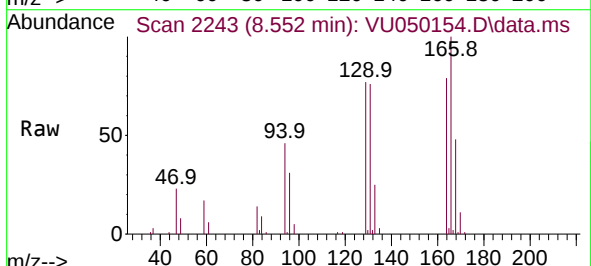
Acq: 08 Aug 2022 23:51

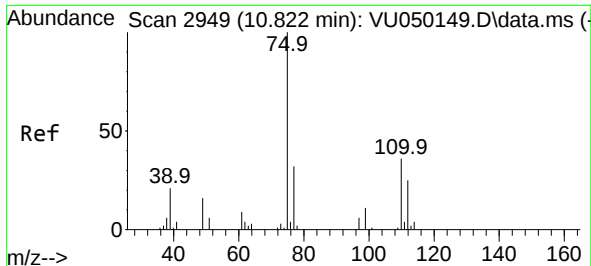
Tgt Ion:129 Resp: 23632

Ion Ratio Lower Upper

129 100

127 0.0 55.3 102.7#

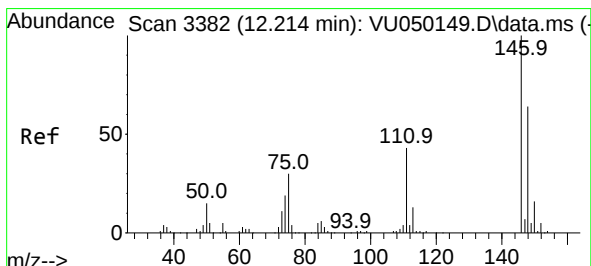
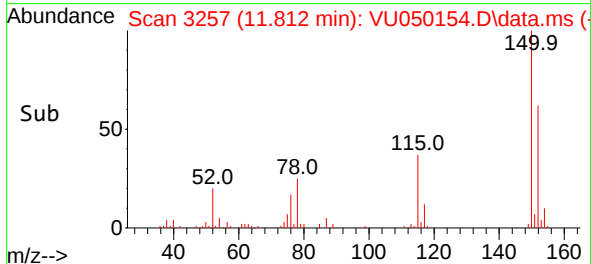
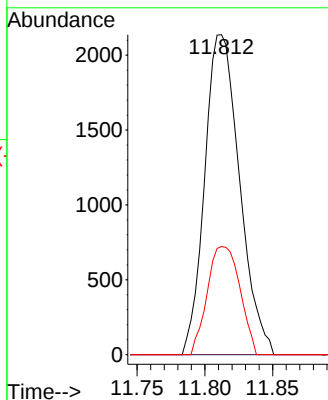
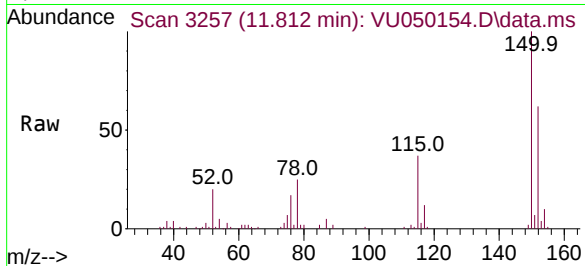




#61
1,2,3-Trichloropropane
Concen: 0.863 ug/L
RT: 11.812 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU050154.D
Acq: 08 Aug 2022 23:51

Instrument :
MSVOA_U
ClientSampleId :
GBJL8

Tgt Ion: 75 Resp: 3822
Ion Ratio Lower Upper
75 100
110 0.0 28.5 42.7#
77 31.6 25.8 38.6



#67
1,2-Dichlorobenzene
Concen: 0.080 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. -0.000 min
Lab File: VU050154.D
Acq: 08 Aug 2022 23:51

Tgt Ion: 146 Resp: 844
Ion Ratio Lower Upper
146 100
111 35.2 32.9 49.3
148 45.2 50.4 75.6#

