

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047681.D
 Acq On : 25 Mar 2022 18:47
 Operator : SY/MD
 Sample : N2082-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Z0

Quant Time: Mar 26 04:21:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 26 02:50:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	339190	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	347654	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	185226	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	88591	36.017	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.040%		
7) Chloroethane-d5	1.916	69	72260	37.258	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	74.520%		
11) 1,1-Dichloroethene-d2	2.568	63	129331	28.739	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	57.480%#		
21) 2-Butanone-d5	4.642	46	175370	83.066	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	83.070%		
24) Chloroform-d	5.067	84	178593	39.682	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.360%		
26) 1,2-Dichloroethane-d4	5.703	65	112650	40.811	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.620%		
32) Benzene-d6	5.729	84	360131	41.167	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.340%		
36) 1,2-Dichloropropane-d6	6.694	67	115240	42.895	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	85.780%		
41) Toluene-d8	7.899	98	331791	38.929	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	77.860%#		
43) trans-1,3-Dichloroprop...	8.179	79	49906	36.667	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.340%		
47) 2-Hexanone-d5	8.636	63	125726	79.942	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	79.940%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	181329	39.328	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	78.660%		
66) 1,2-Dichlorobenzene-d4	12.195	152	141294	42.877	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.760%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	15914	5.189	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1152	0.461	ug/L #	18
12) 1,1-Dichloroethene	2.578	96	2399	1.031	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	3347	1.334	ug/L	97
19) 1,1-Dichloroethane	3.874	63	162220	37.480	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	128582	46.736	ug/L	98
27) 1,2-Dichloroethane	5.797	62	1794	0.498	ug/L #	75
30) 1,1,1-Trichloroethane	5.321	97	53498	13.571	ug/L	98
31) Carbon tetrachloride	5.317	117	7368	2.070	ug/L	99
34) Trichloroethene	6.543	95	8585	3.254	ug/L	97
35) Methylcyclohexane	6.694	83	26404	6.579	ug/L #	21
37) 1,2-Dichloropropane	6.694	63	12145	4.748	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	3150	0.794	ug/L #	61
46) Tetrachloroethene	8.552	164	3618	1.526	ug/L	95
49) Dibromochloromethane	8.552	129	3251	1.035	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	19628	5.621	ug/L #	66

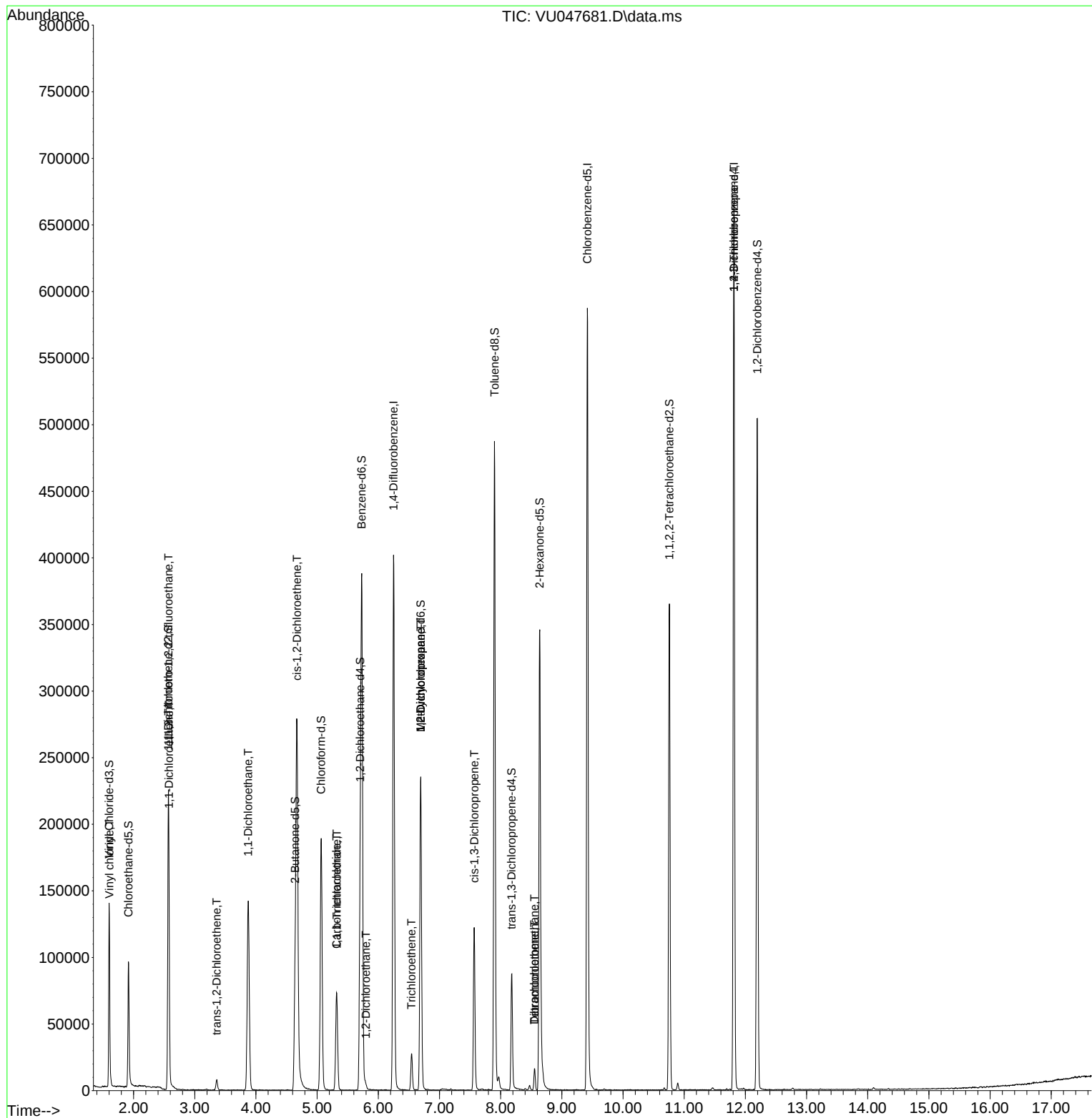
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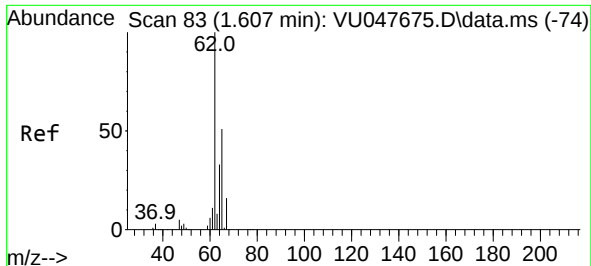
Instrument :
MSVOA_U
ClientSampleId :
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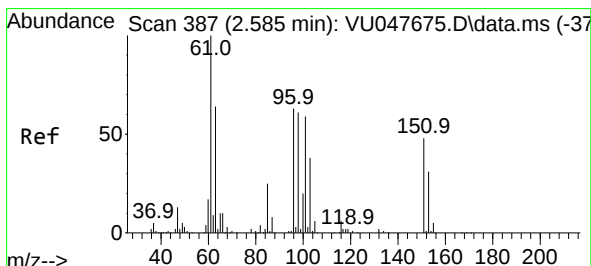
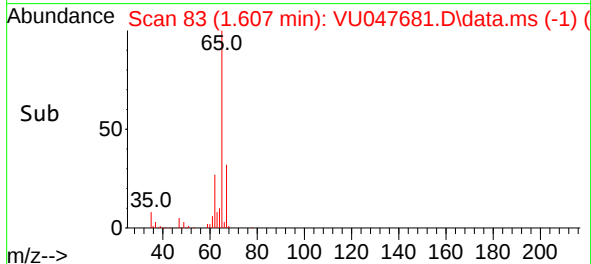
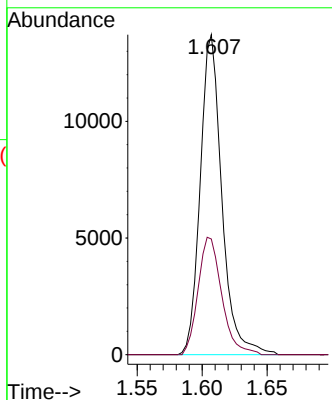
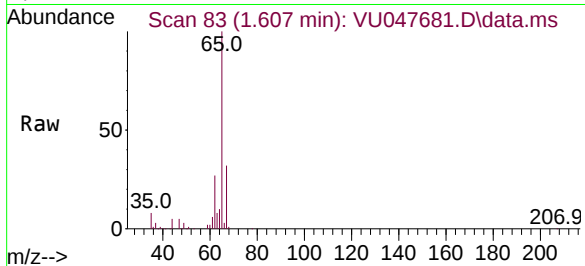




#5
 Vinyl chloride
 Concen: 5.189 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU047681.D
 Acq: 25 Mar 2022 18:47

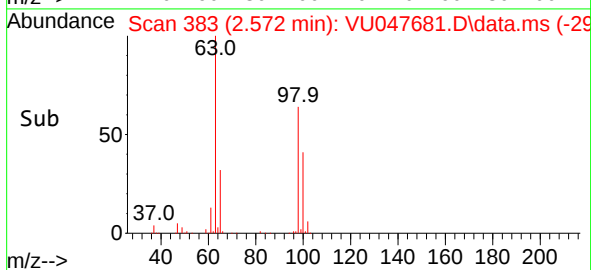
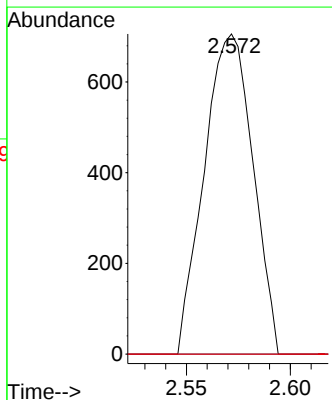
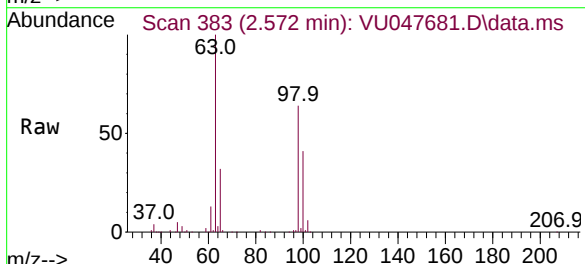
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Z0

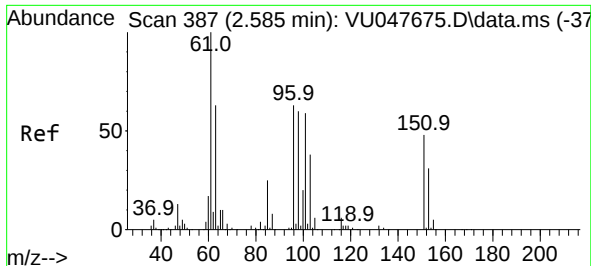
Tgt Ion: 62 Resp: 15914
 Ion Ratio Lower Upper
 62 100
 64 36.1 23.7 43.9



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.461 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.013 min
 Lab File: VU047681.D
 Acq: 25 Mar 2022 18:47

Tgt Ion: 101 Resp: 1152
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#





#12

1,1-Dichloroethene

Concen: 1.031 ug/L

RT: 2.578 min Scan# 3

Delta R.T. -0.006 min

Lab File: VU047681.D

Acq: 25 Mar 2022 18:47

Instrument :

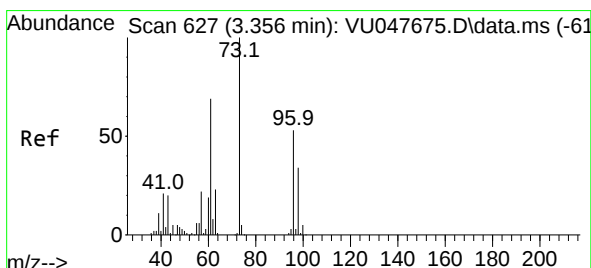
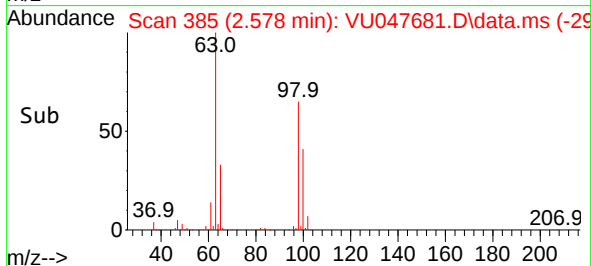
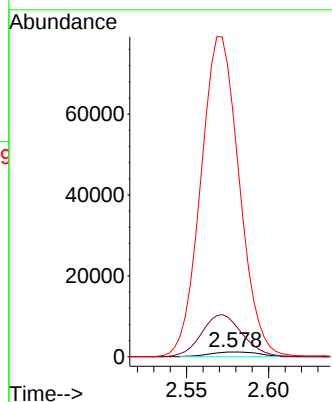
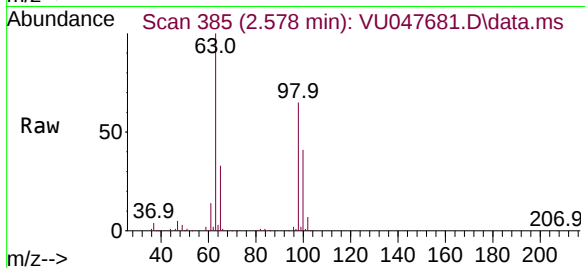
MSVOA_U

ClientSampleId :

EW5Z0

Tgt Ion: 96 Resp: 2399

Ion	Ratio	Lower	Upper
96	100		
61	737.1	113.1	210.1#
63	5244.3	94.8	176.0#



#17

trans-1,2-Dichloroethene

Concen: 1.334 ug/L

RT: 3.359 min Scan# 628

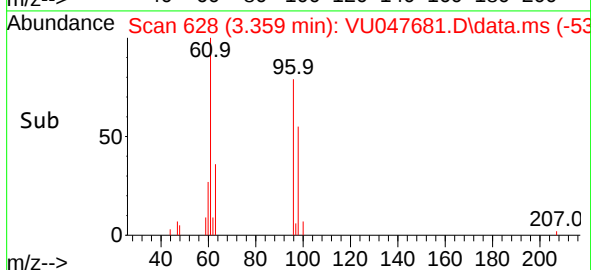
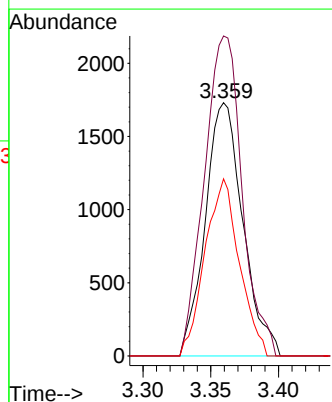
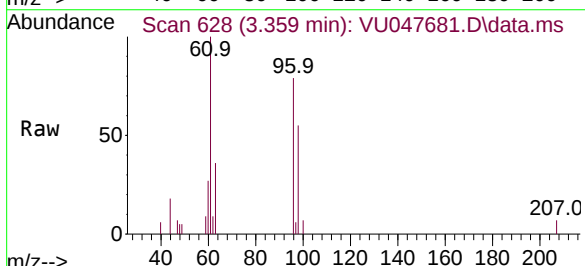
Delta R.T. 0.003 min

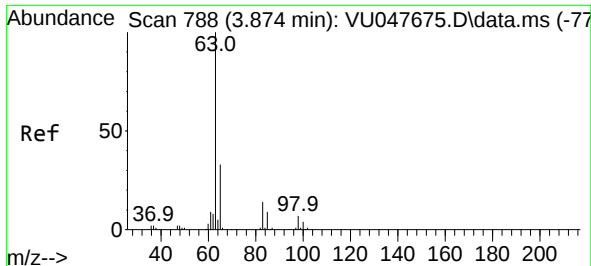
Lab File: VU047681.D

Acq: 25 Mar 2022 18:47

Tgt Ion: 96 Resp: 3347

Ion	Ratio	Lower	Upper
96	100		
61	126.3	88.4	164.2
98	69.9	43.3	80.5





#19

1,1-Dichloroethane

Concen: 37.480 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU047681.D

Acq: 25 Mar 2022 18:47

Instrument :

MSVOA_U

ClientSampleId :

EW5Z0

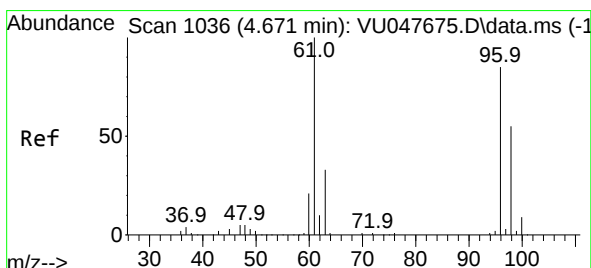
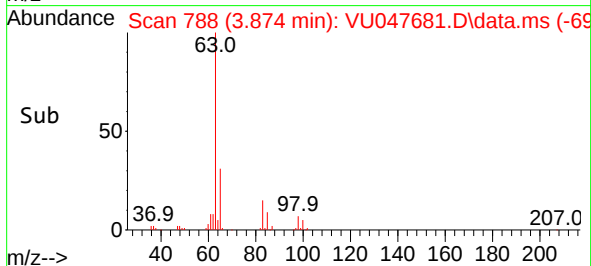
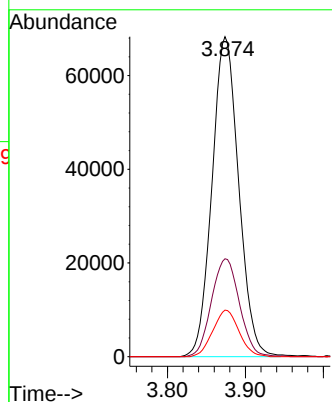
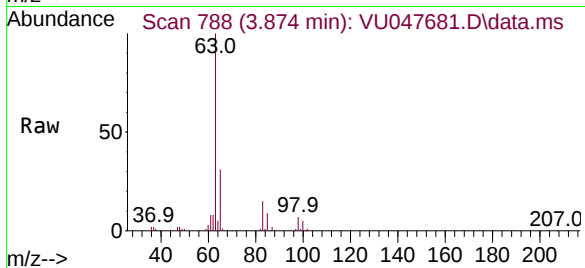
Tgt Ion: 63 Resp: 162220

Ion Ratio Lower Upper

63 100

65 30.6 22.0 41.0

83 14.5 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 46.736 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047681.D

Acq: 25 Mar 2022 18:47

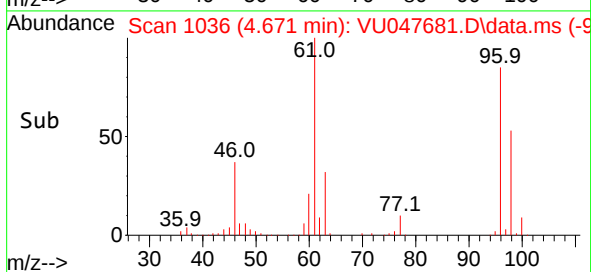
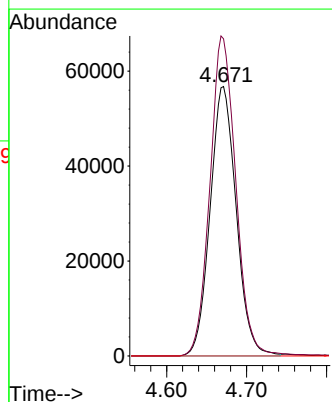
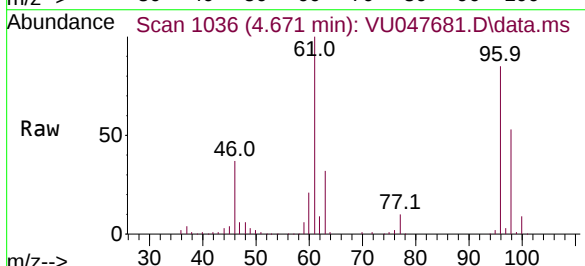
Tgt Ion: 96 Resp: 128582

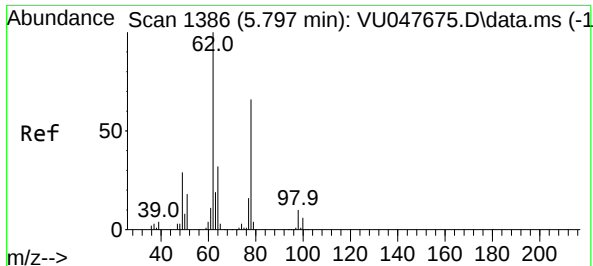
Ion Ratio Lower Upper

96 100

61 117.7 80.7 149.9

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.498 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU047681.D

Acq: 25 Mar 2022 18:47

Instrument :

MSVOA_U

ClientSampleId :

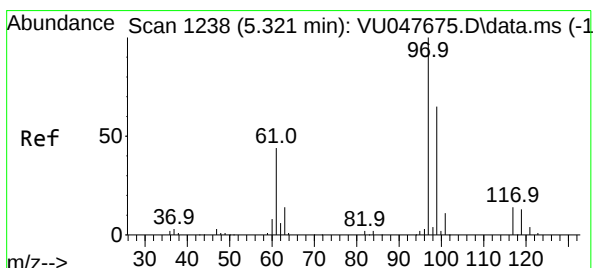
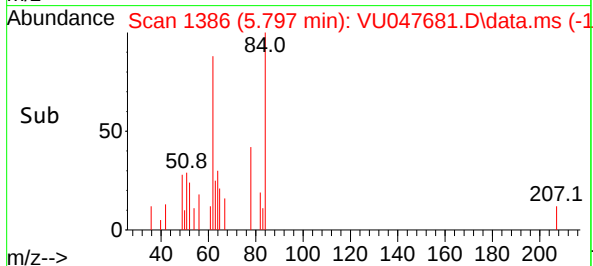
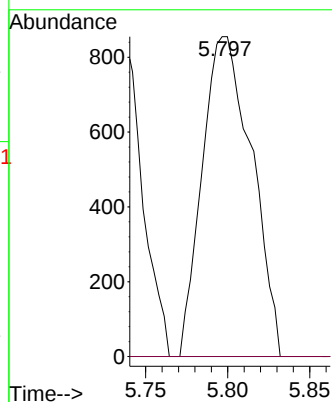
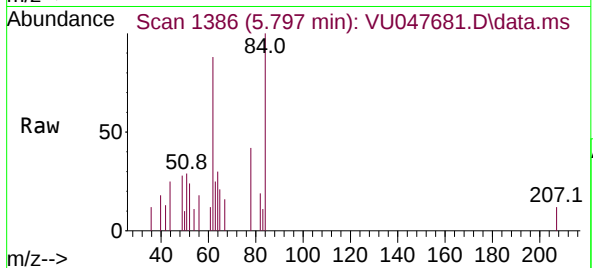
EW5Z0

Tgt Ion: 62 Resp: 1794

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#30

1,1,1-Trichloroethane

Concen: 13.571 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047681.D

Acq: 25 Mar 2022 18:47

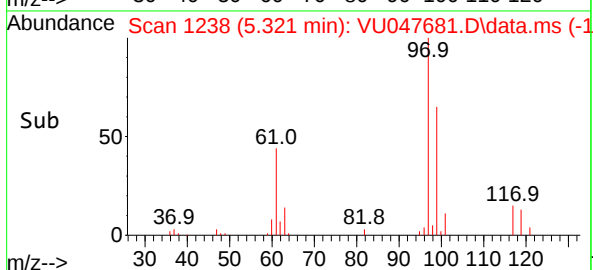
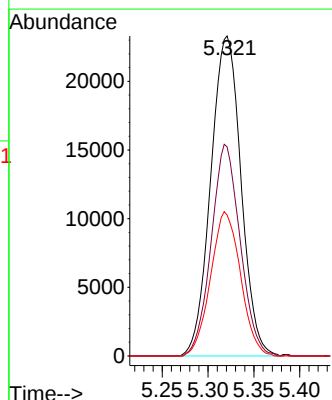
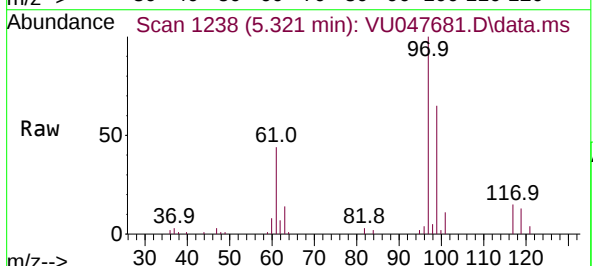
Tgt Ion: 97 Resp: 53498

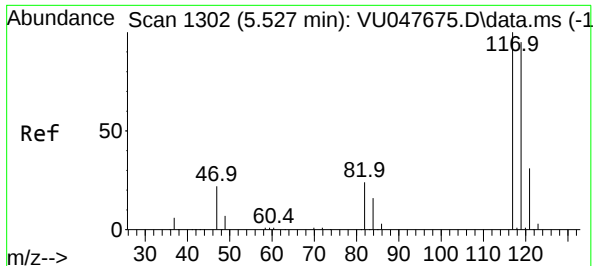
Ion Ratio Lower Upper

97 100

99 63.3 51.6 77.4

61 44.6 34.2 51.4

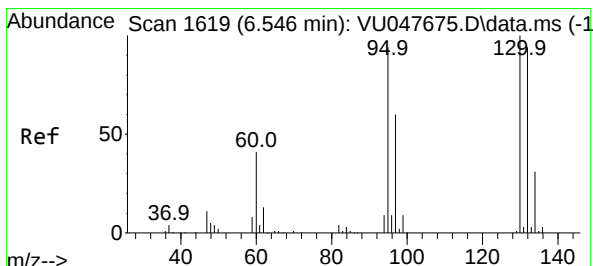
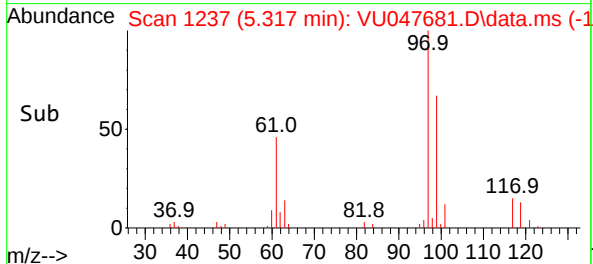
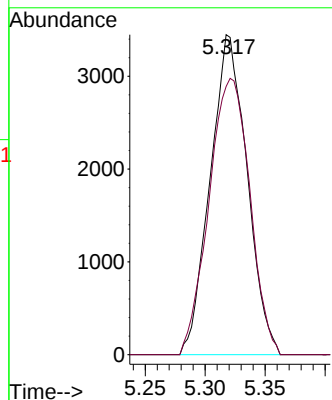
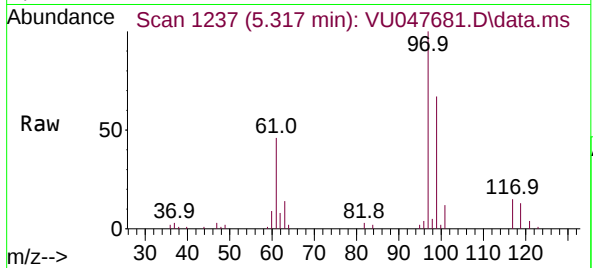




#31
Carbon tetrachloride
Concen: 2.070 ug/L
RT: 5.317 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU047681.D
Acq: 25 Mar 2022 18:47

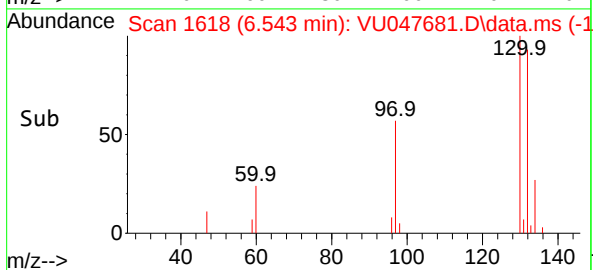
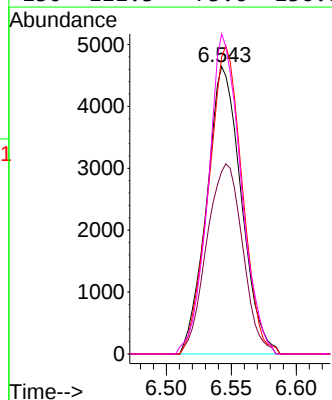
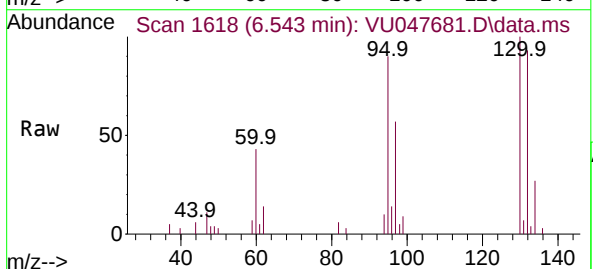
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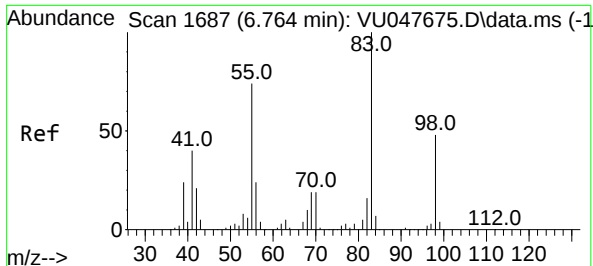
Tgt Ion:117 Resp: 7368
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8



#34
Trichloroethene
Concen: 3.254 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU047681.D
Acq: 25 Mar 2022 18:47

Tgt Ion: 95 Resp: 8585
Ion Ratio Lower Upper
95 100
97 63.4 44.7 82.9
132 103.2 70.4 130.8
130 111.3 73.6 136.8





#35

Methylcyclohexane

Concen: 6.579 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.071 min

Lab File: VU047681.D

Acq: 25 Mar 2022 18:47

Instrument :

MSVOA_U

ClientSampleId :

EW5Z0

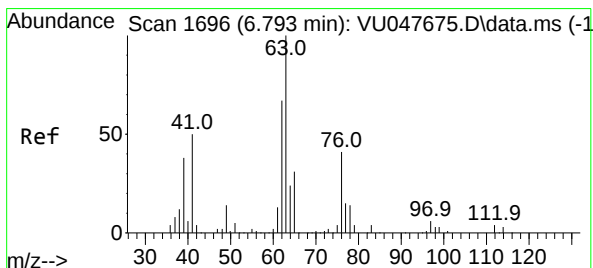
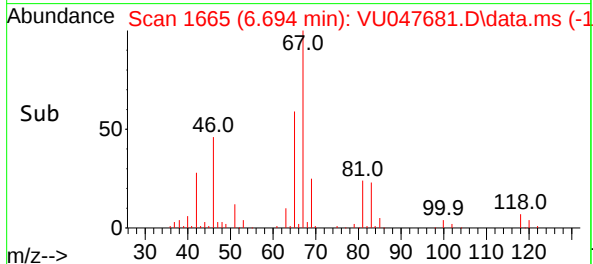
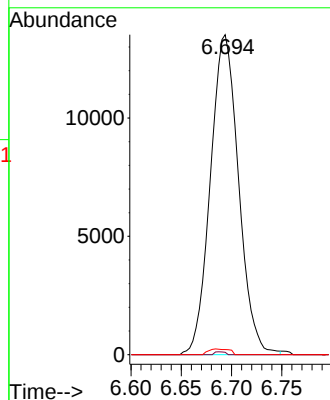
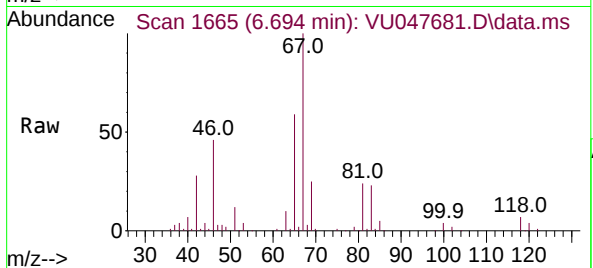
Tgt Ion: 83 Resp: 26404

Ion Ratio Lower Upper

83 100

55 0.3 56.8 85.2#

98 1.2 38.1 57.1#



#37

1,2-Dichloropropane

Concen: 4.748 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.100 min

Lab File: VU047681.D

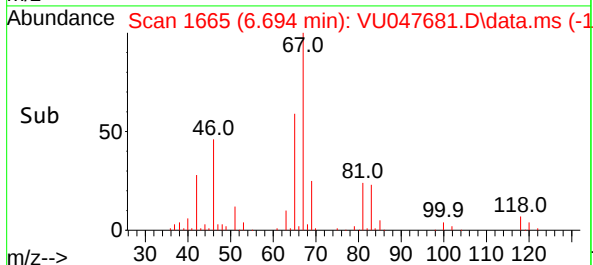
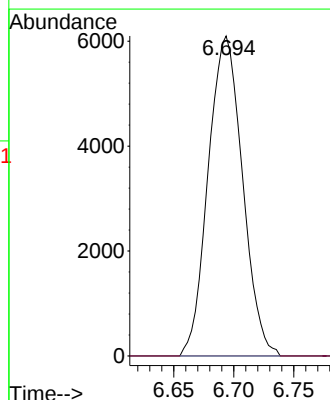
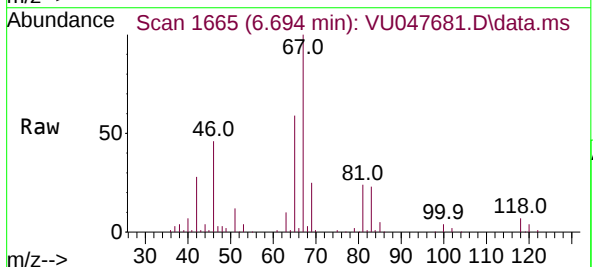
Acq: 25 Mar 2022 18:47

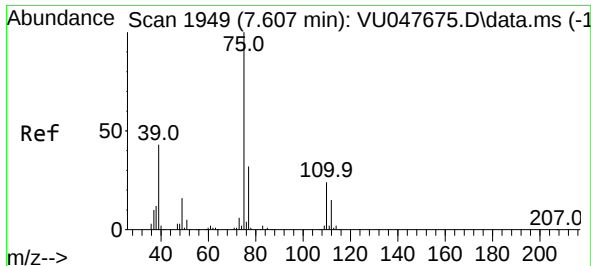
Tgt Ion: 63 Resp: 12145

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.794 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.039 min

Lab File: VU047681.D

Acq: 25 Mar 2022 18:47

Instrument :

MSVOA_U

ClientSampleId :

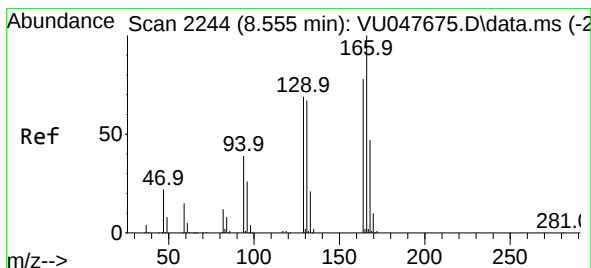
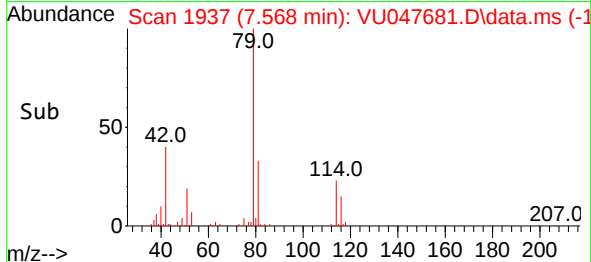
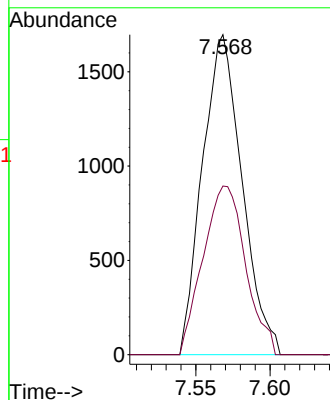
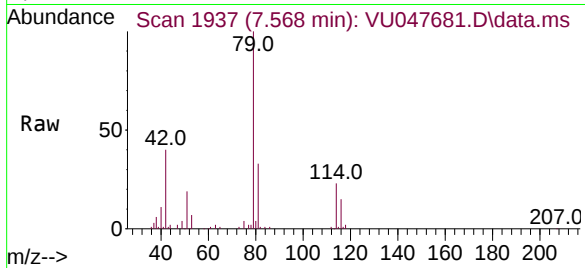
EW5Z0

Tgt Ion: 75 Resp: 3150

Ion Ratio Lower Upper

75 100

77 52.7 21.8 40.6#



#46

Tetrachloroethene

Concen: 1.526 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.003 min

Lab File: VU047681.D

Acq: 25 Mar 2022 18:47

Tgt Ion: 164 Resp: 3618

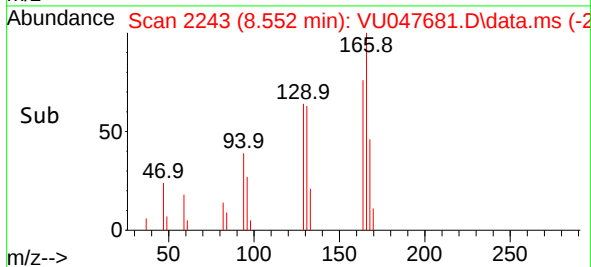
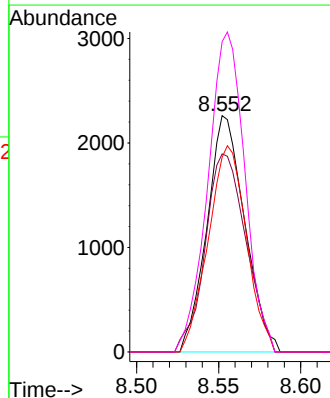
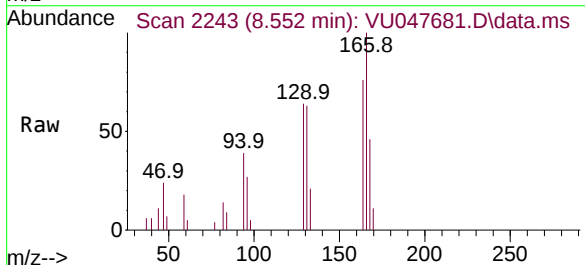
Ion Ratio Lower Upper

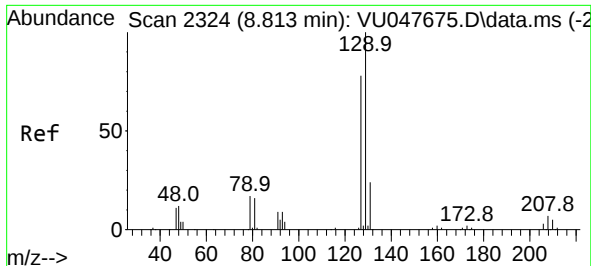
164 100

129 83.8 62.4 116.0

131 82.4 60.7 112.7

166 131.3 89.0 165.4





#49

Dibromochloromethane

Concen: 1.035 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU047681.D

Acq: 25 Mar 2022 18:47

Instrument :

MSVOA_U

ClientSampleId :

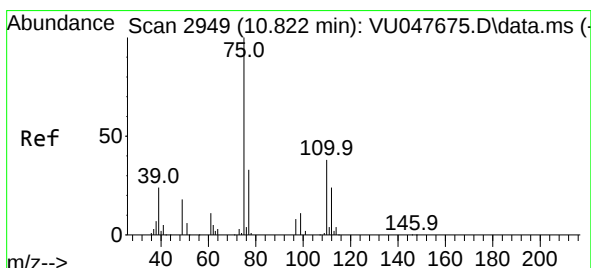
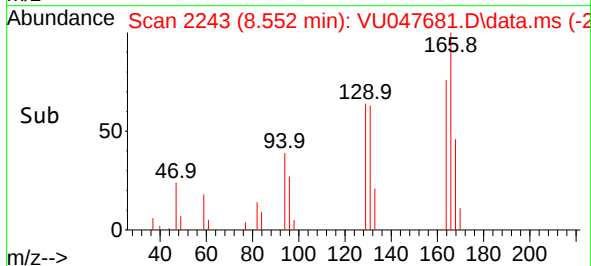
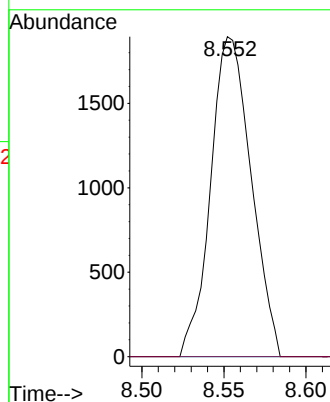
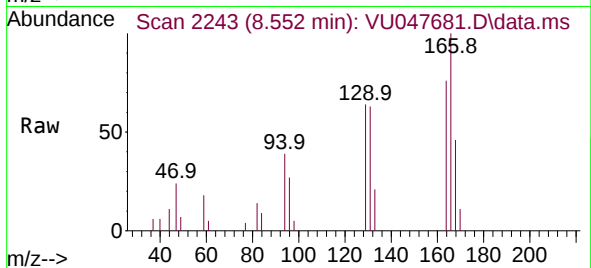
EW5Z0

Tgt Ion:129 Resp: 3251

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#60

1,2,3-Trichloropropane

Concen: 5.621 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.990 min

Lab File: VU047681.D

Acq: 25 Mar 2022 18:47

Tgt Ion: 75 Resp: 19628

Ion Ratio Lower Upper

75 100

77 31.3 26.0 39.0

110 2.3 31.4 47.2#

