

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047682.D
 Acq On : 25 Mar 2022 19:10
 Operator : SY/MD
 Sample : N2082-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Z1

Quant Time: Mar 26 04:22:03 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	329706	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	339079	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	181570	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	88810	37.145	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.280%		
7) Chloroethane-d5	1.916	69	71753	38.060	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	76.120%		
11) 1,1-Dichloroethene-d2	2.572	63	127319	29.106	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.220%#		
21) 2-Butanone-d5	4.642	46	178802	87.128	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.130%		
24) Chloroform-d	5.067	84	175565	40.132	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.260%		
26) 1,2-Dichloroethane-d4	5.703	65	111648	41.611	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.220%		
32) Benzene-d6	5.729	84	356865	41.826	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.660%		
36) 1,2-Dichloropropane-d6	6.694	67	112402	42.897	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	85.800%		
41) Toluene-d8	7.899	98	328594	39.528	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.060%#		
43) trans-1,3-Dichloroprop...	8.179	79	49767	37.489	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.980%		
47) 2-Hexanone-d5	8.636	63	126477	82.453	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	82.450%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	178353	39.661	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	79.320%		
66) 1,2-Dichlorobenzene-d4	12.195	152	140277	43.425	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.860%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	47469	15.922	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1262	0.519	ug/L #	18
12) 1,1-Dichloroethene	2.584	96	4965	2.195	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	12515	5.130	ug/L	98
19) 1,1-Dichloroethane	3.874	63	449582	106.862	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	449148	167.947	ug/L	96
27) 1,2-Dichloroethane	5.796	62	4368	1.248	ug/L #	92
30) 1,1,1-Trichloroethane	5.321	97	168480	43.820	ug/L	99
31) Carbon tetrachloride	5.317	117	23078	6.647	ug/L	100
33) Benzene	5.774	78	6571	0.670	ug/L	100
34) Trichloroethene	6.546	95	29185	11.342	ug/L	99
37) 1,2-Dichloropropane	6.694	63	11571	4.638	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	3014	0.779	ug/L #	59
46) Tetrachloroethene	8.555	164	13821	5.977	ug/L	98
49) Dibromochloromethane	8.555	129	12356	4.031	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	19092	5.578	ug/L #	67

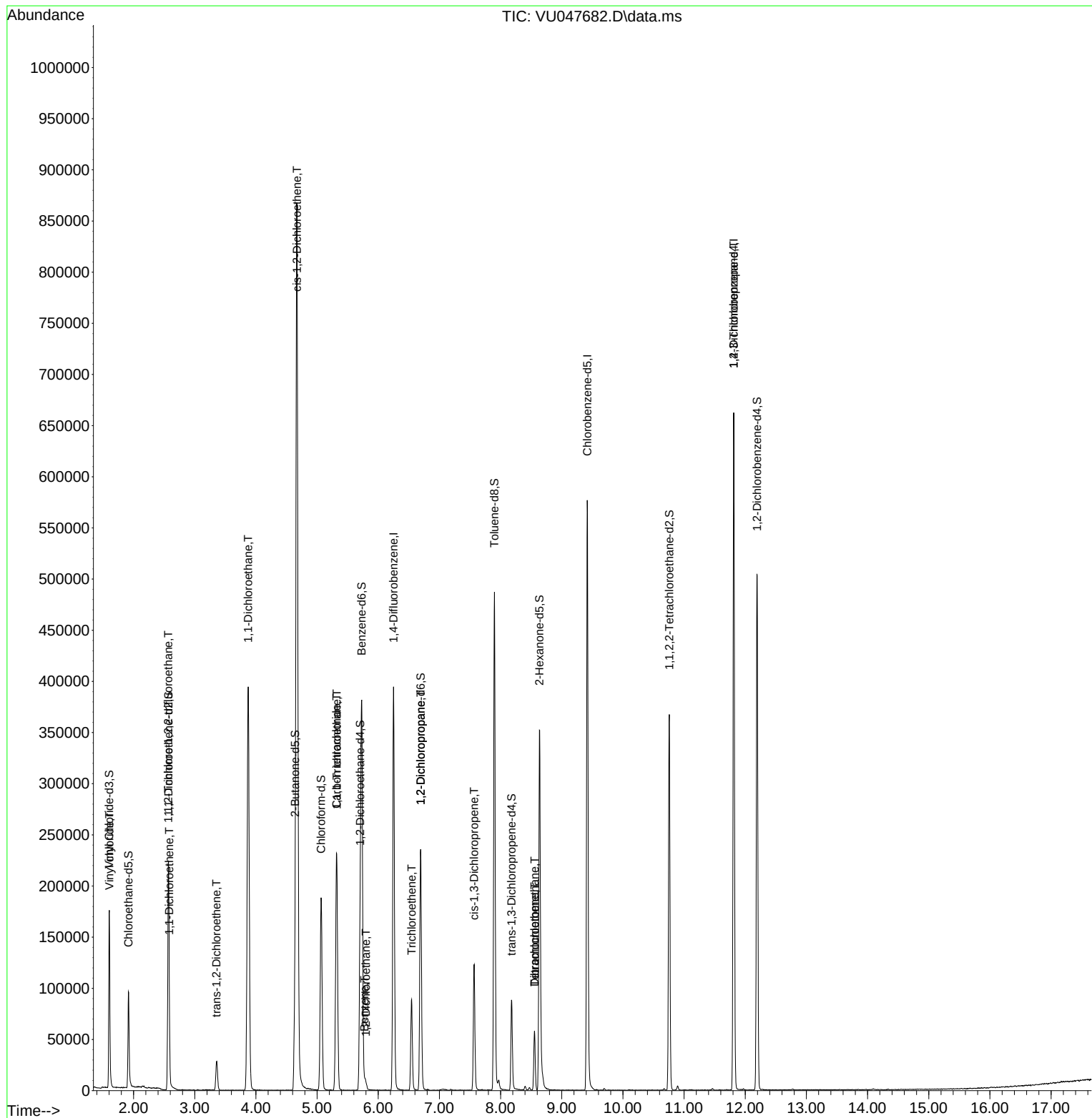
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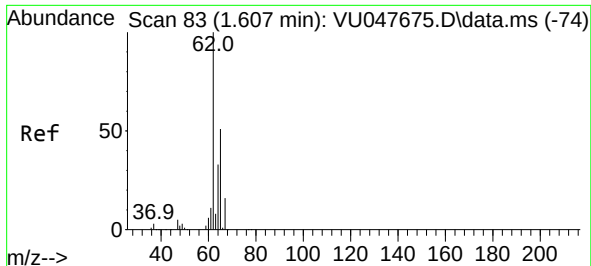
Instrument :
MSVOA_U
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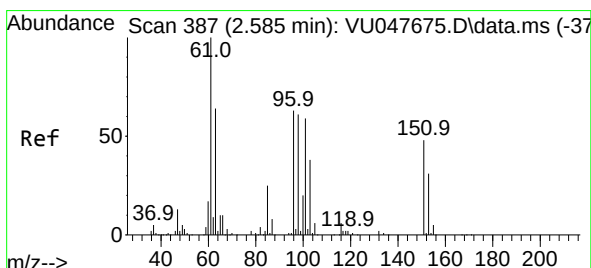
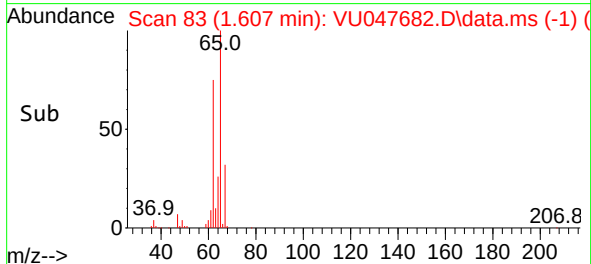
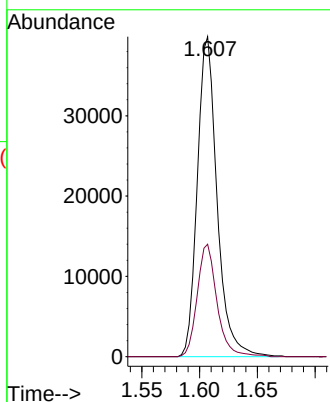
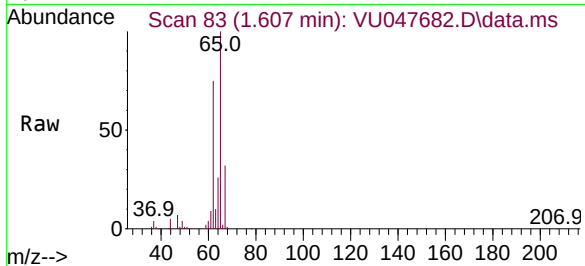




#5
 Vinyl chloride
 Concen: 15.922 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU047682.D
 Acq: 25 Mar 2022 19:10

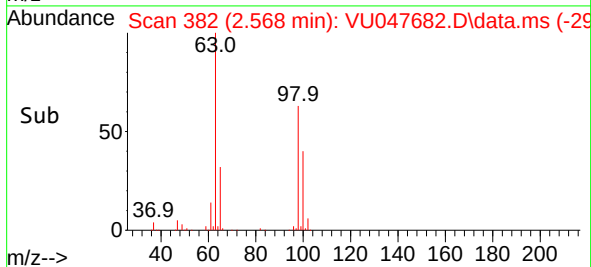
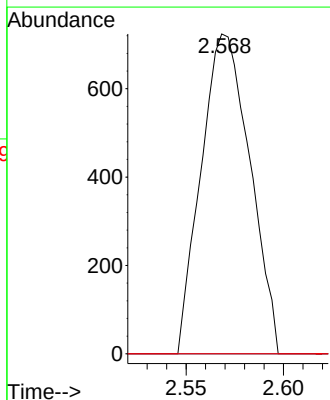
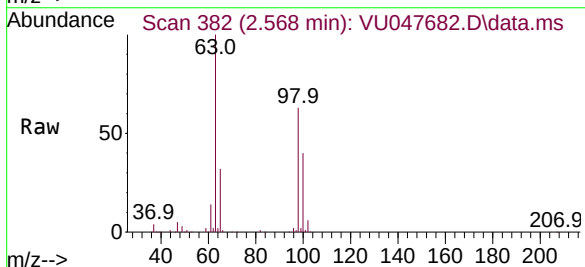
Instrument :
 MSVOA_U
 ClientSampleId :
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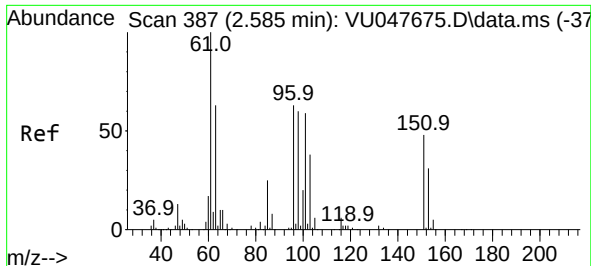
Tgt Ion: 62 Resp: 47469
 Ion Ratio Lower Upper
 62 100
 64 35.1 23.7 43.9



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.519 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.016 min
 Lab File: VU047682.D
 Acq: 25 Mar 2022 19:10

Tgt Ion: 101 Resp: 1262
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#

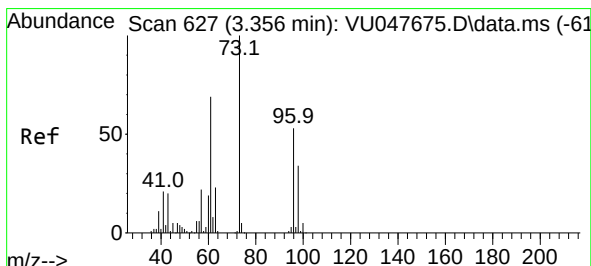
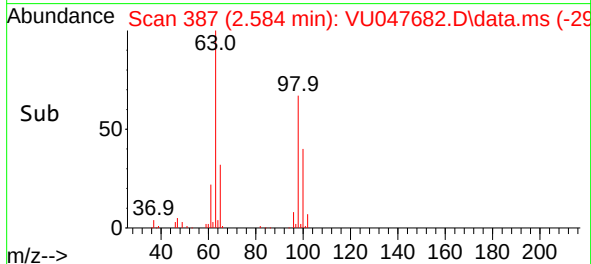
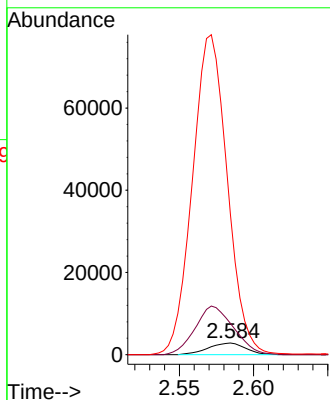
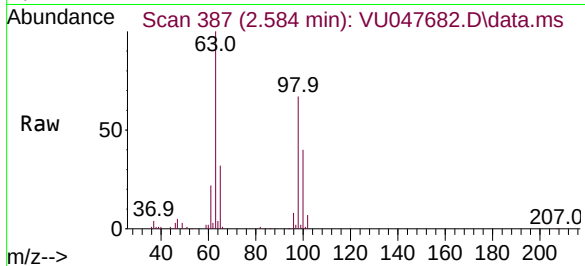




#12
1,1-Dichloroethene
Concen: 2.195 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.000 min
Lab File: VU047682.D
Acq: 25 Mar 2022 19:10

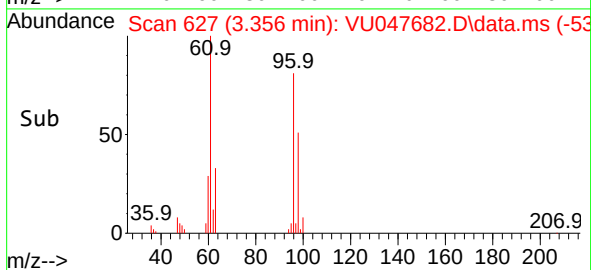
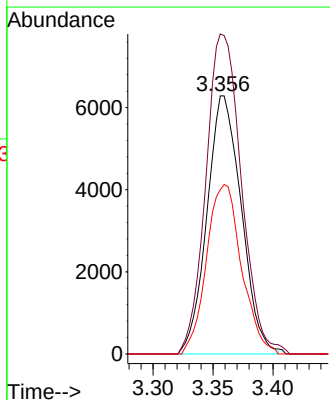
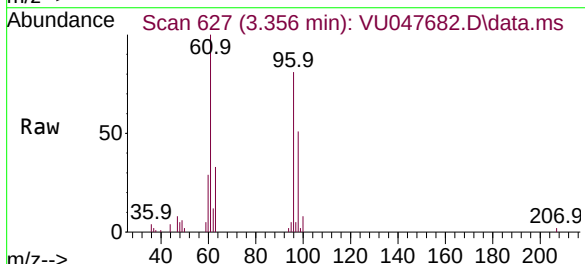
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ClientSampleId :
EW5Z1

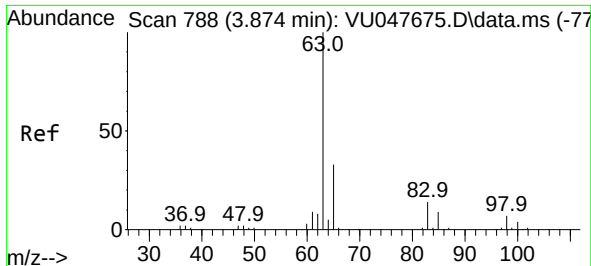
Tgt Ion: 96 Resp: 4965
Ion Ratio Lower Upper
96 100
61 268.1 113.1 210.1#
63 1205.2 94.8 176.0#



#17
trans-1,2-Dichloroethene
Concen: 5.130 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU047682.D
Acq: 25 Mar 2022 19:10

Tgt Ion: 96 Resp: 12515
Ion Ratio Lower Upper
96 100
61 124.0 88.4 164.2
98 63.6 43.3 80.5





#19

1,1-Dichloroethane

Concen: 106.862 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU047682.D

Acq: 25 Mar 2022 19:10

Instrument :

MSVOA_U

ClientSampleId :

EW5Z1

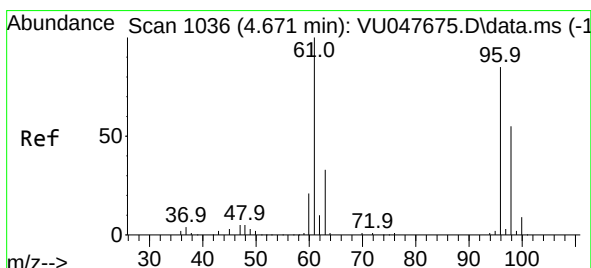
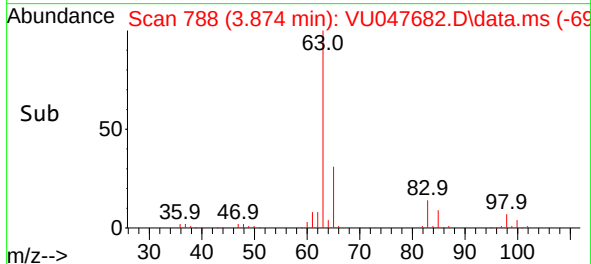
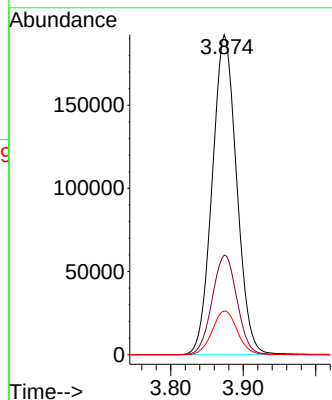
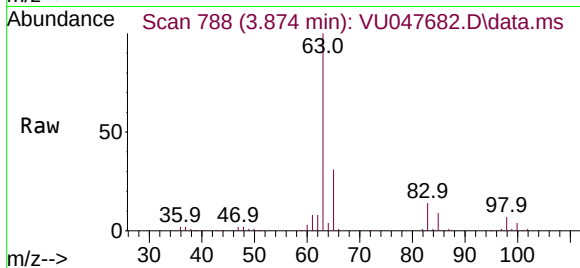
Tgt Ion: 63 Resp: 449582

Ion Ratio Lower Upper

63 100

65 31.1 22.0 41.0

83 13.7 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 167.947 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047682.D

Acq: 25 Mar 2022 19:10

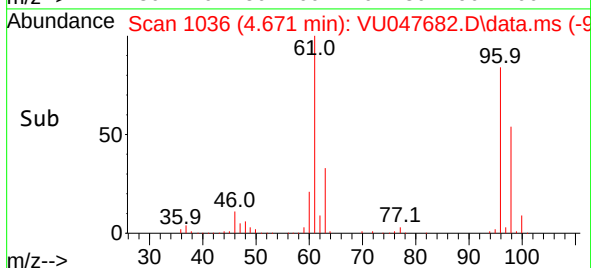
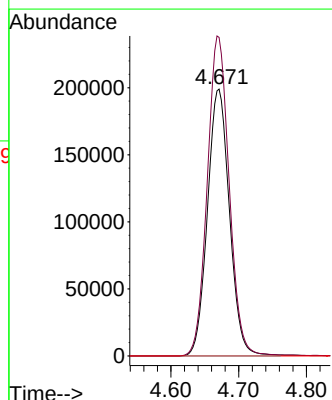
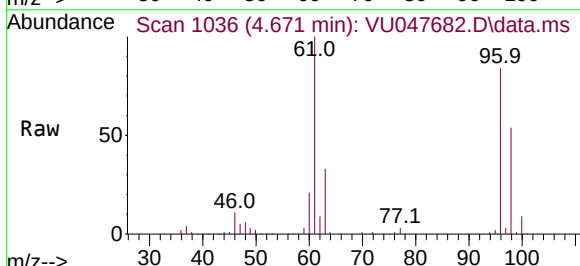
Tgt Ion: 96 Resp: 449148

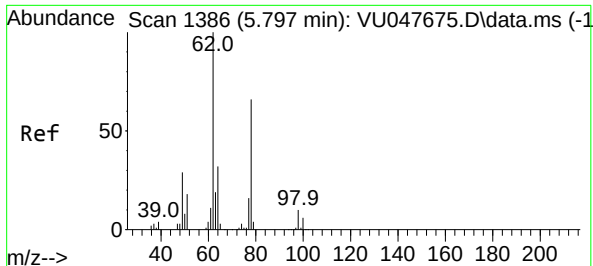
Ion Ratio Lower Upper

96 100

61 119.4 80.7 149.9

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 1.248 ug/L

RT: 5.796 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU047682.D

Acq: 25 Mar 2022 19:10

Instrument :

MSVOA_U

ClientSampleId :

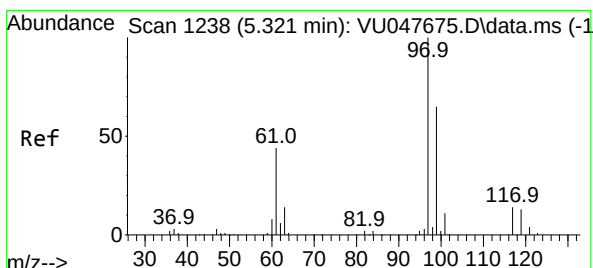
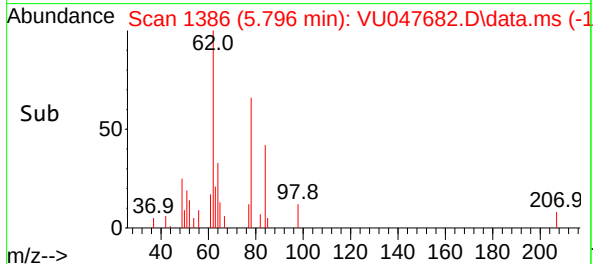
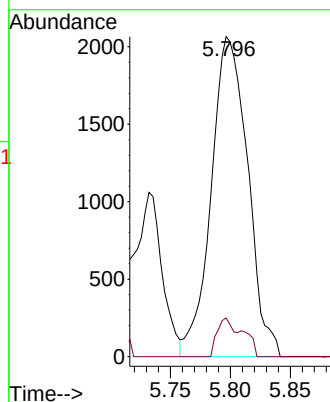
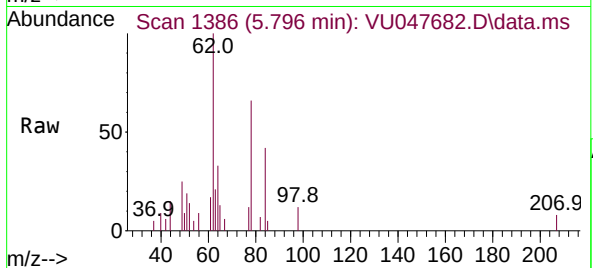
EW5Z1

Tgt Ion: 62 Resp: 4368

Ion Ratio Lower Upper

62 100

98 12.1 7.4 11.0#



#30

1,1,1-Trichloroethane

Concen: 43.820 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047682.D

Acq: 25 Mar 2022 19:10

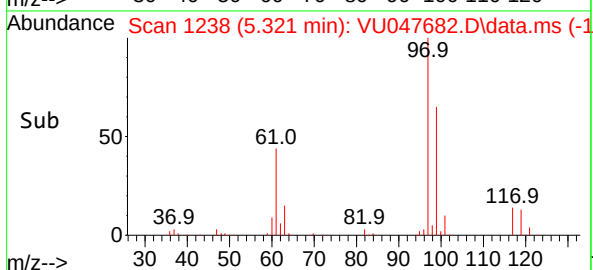
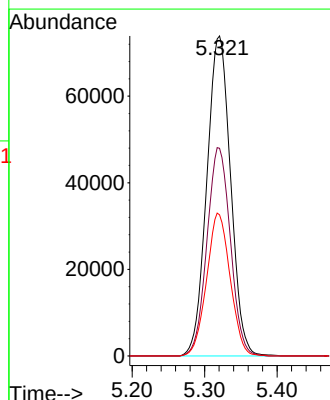
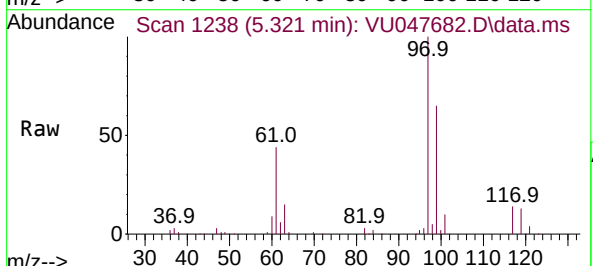
Tgt Ion: 97 Resp: 168480

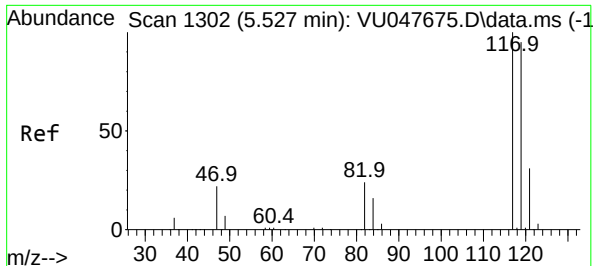
Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

61 44.1 34.2 51.4

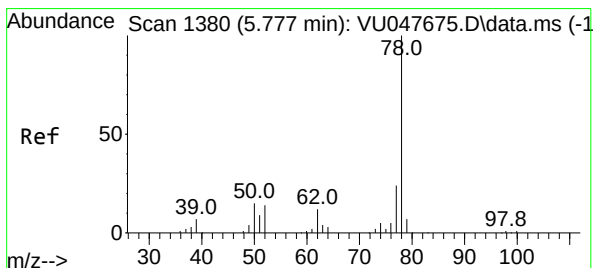
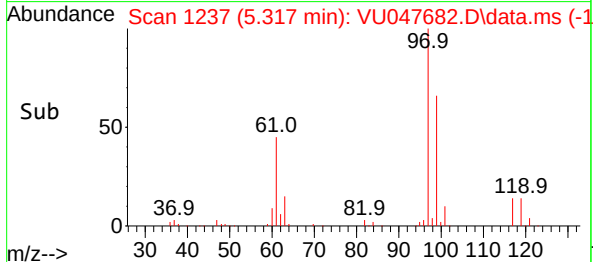
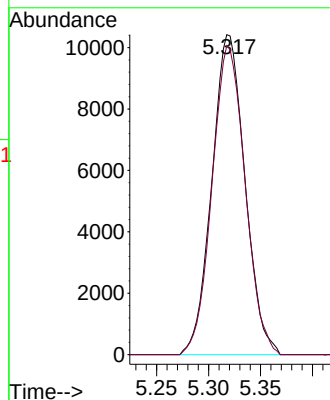
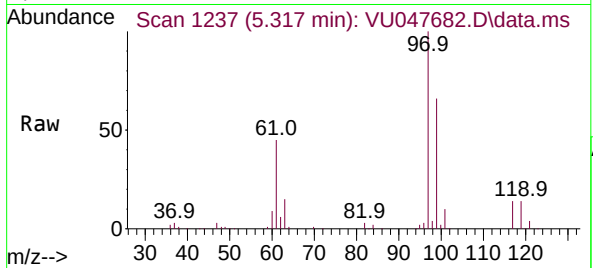




#31
Carbon tetrachloride
Concen: 6.647 ug/L
RT: 5.317 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU047682.D
Acq: 25 Mar 2022 19:10

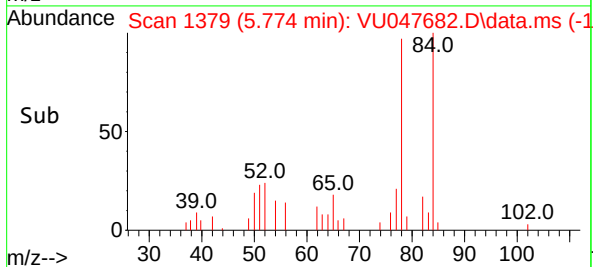
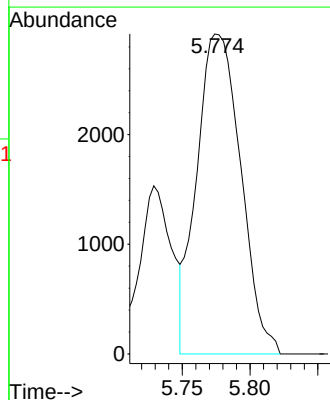
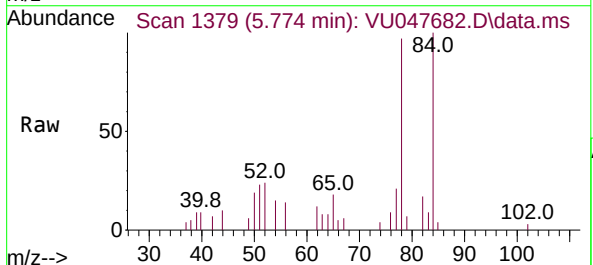
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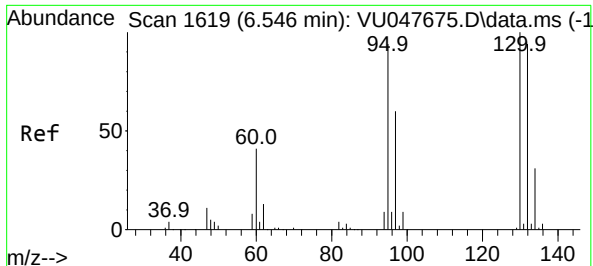
Tgt Ion:117 Resp: 23078
Ion Ratio Lower Upper
117 100
119 96.4 77.2 115.8



#33
Benzene
Concen: 0.670 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU047682.D
Acq: 25 Mar 2022 19:10

Tgt Ion: 78 Resp: 6571

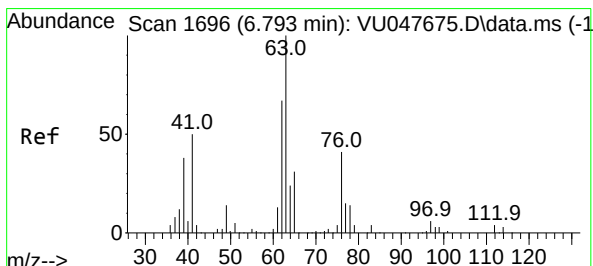
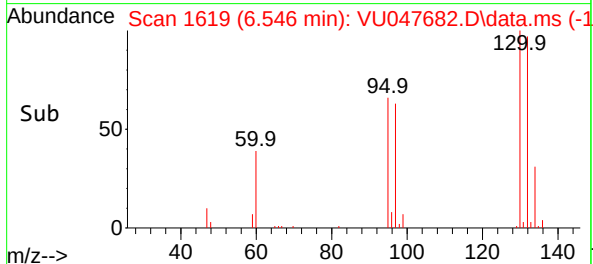
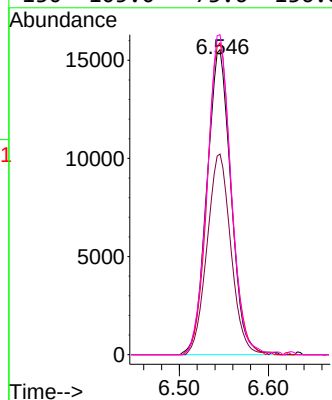
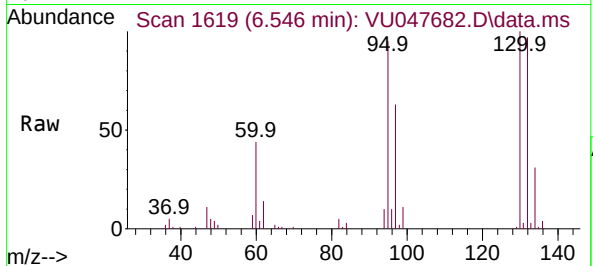




#34
Trichloroethene
Concen: 11.342 ug/L
RT: 6.546 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VU047682.D
Acq: 25 Mar 2022 19:10

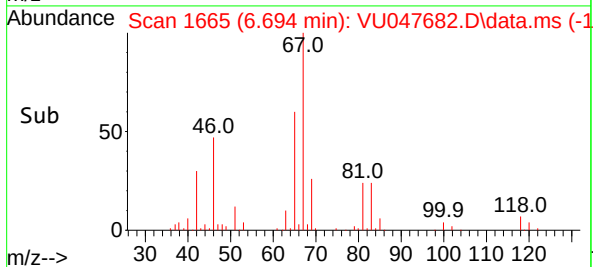
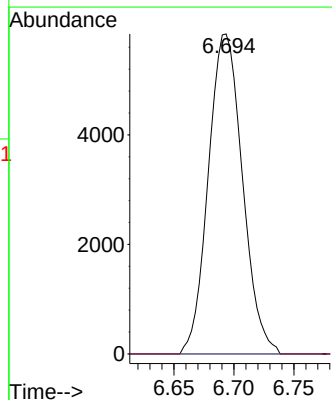
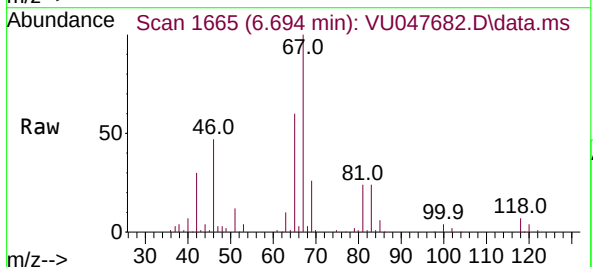
Instrument :
MSVOA_U
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EW5Z1

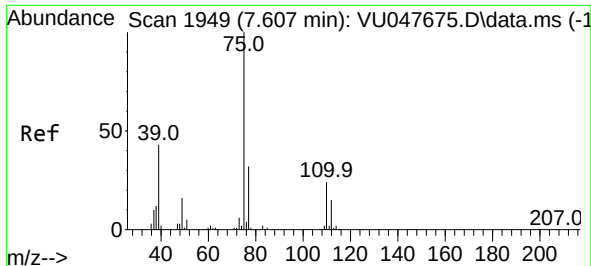
Tgt Ion: 95 Resp: 29185
Ion Ratio Lower Upper
95 100
97 65.8 44.7 82.9
132 102.3 70.4 130.8
130 105.0 73.6 136.8



#37
1,2-Dichloropropane
Concen: 4.638 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU047682.D
Acq: 25 Mar 2022 19:10

Tgt Ion: 63 Resp: 11571
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.779 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.039 min

Lab File: VU047682.D

Acq: 25 Mar 2022 19:10

Instrument :

MSVOA_U

ClientSampleId :

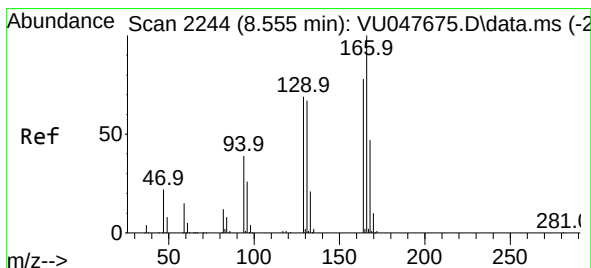
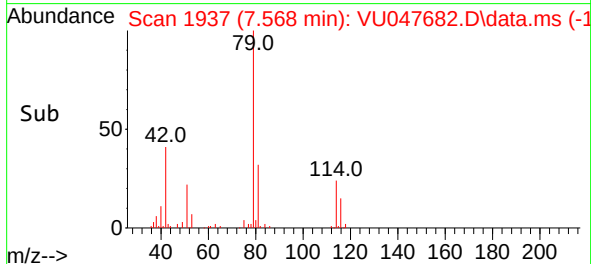
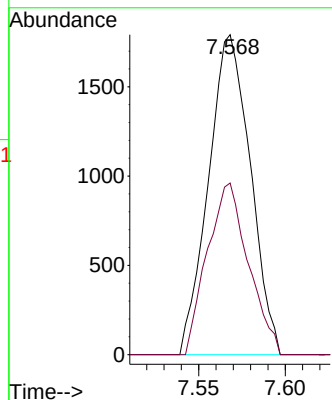
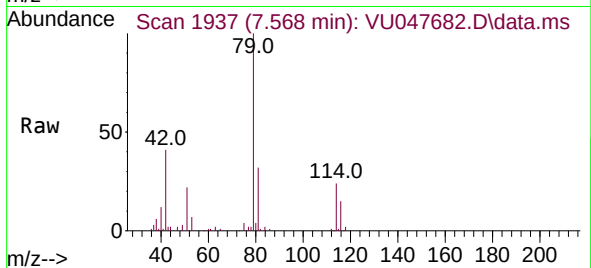
EW5Z1

Tgt Ion: 75 Resp: 3014

Ion Ratio Lower Upper

75 100

77 53.6 21.8 40.6#



#46

Tetrachloroethene

Concen: 5.977 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU047682.D

Acq: 25 Mar 2022 19:10

Tgt Ion: 164 Resp: 13821

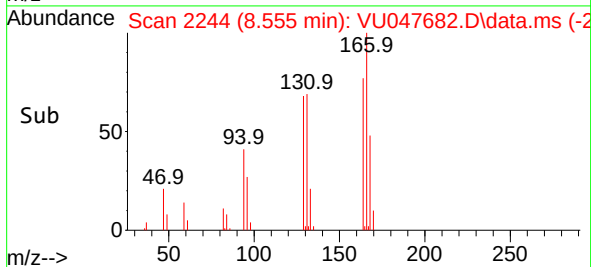
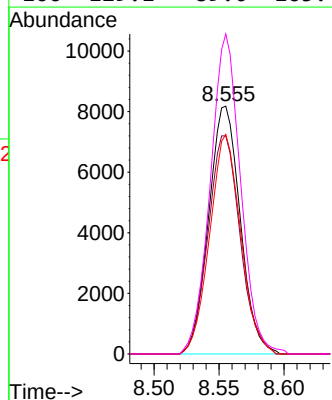
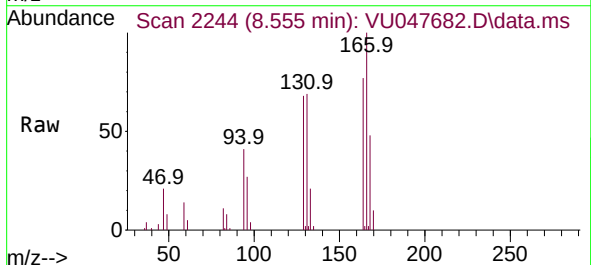
Ion Ratio Lower Upper

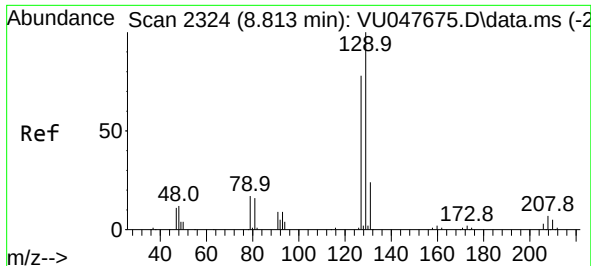
164 100

129 88.0 62.4 116.0

131 88.5 60.7 112.7

166 129.1 89.0 165.4





#49

Dibromochloromethane

Concen: 4.031 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU047682.D

Acq: 25 Mar 2022 19:10

Instrument :

MSVOA_U

ClientSampleId :

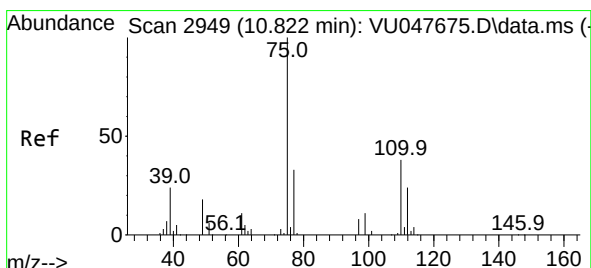
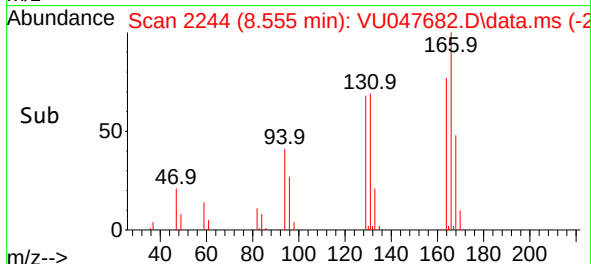
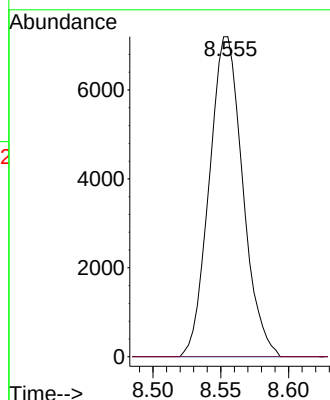
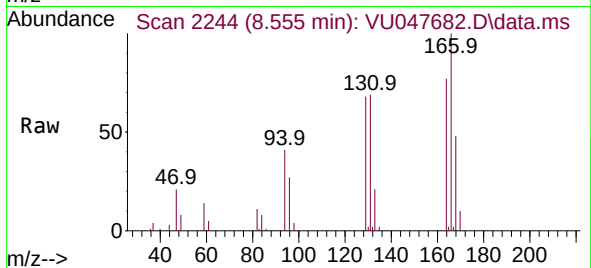
EW5Z1

Tgt Ion:129 Resp: 12356

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#60

1,2,3-Trichloropropane

Concen: 5.578 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.990 min

Lab File: VU047682.D

Acq: 25 Mar 2022 19:10

Tgt Ion: 75 Resp: 19092

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0

110 2.6 31.4 47.2#

