

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U020322\
 Data File : U047030.D
 Acq On : 03 Feb 2022 18:38
 Operator : SY/MD
 Sample : N1348-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 04 05:49:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 03 02:56:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.327	114	90887	5.000	ug/L	0.07
28) Chlorobenzene-d5	9.436	117	104617	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.819	152	59909	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.668	65	41922	5.443	ug/L	0.06
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.800%
7) Chloroethane-d5	1.986	69	31103	5.126	ug/L	0.06
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.600%
11) 1,1-Dichloroethene-d2	2.652	65	16432	5.364	ug/L	0.08
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.200%
20) 2-Butanone-d5	4.793	46	92677	40.620	ug/L	0.15
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.240%
24) Chloroform-d	5.173	84	71647	5.299	ug/L	0.10
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.000%
26) 1,2-Dichloroethane-d4	5.803	65	35974	4.886	ug/L	0.10
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.822	84	126900	4.127	ug/L	0.09
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	6.758	67	42812	4.637	ug/L	0.06
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.800%
41) Toluene-d8	7.938	98	94472	3.357	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.200%#
43) trans-1,3-Dichloroprop...	8.211	79	13574	3.348	ug/L	0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.000%
46) 2-Hexanone-d5	8.668	63	70797	29.491	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	58.980%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	36260	3.912	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.200%
66) 1,2-Dichlorobenzene-d4	12.198	152	43906	3.908	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.200%#
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.215	101	3757	0.421	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.658	101	341	0.064	ug/L #	21
12) 1,1-Dichloroethene	2.665	96	20982	4.134	ug/L	95
18) trans-1,2-Dichloroethene	3.440	96	1128	0.205	ug/L #	73
19) 1,1-Dichloroethane	3.961	63	130847	14.180	ug/L	100
22) cis-1,2-Dichloroethene	4.765	96	62214	10.729	ug/L	98
25) Chloroform	5.195	83	29994	2.048	ug/L	98
27) 1,2-Dichloroethane	5.893	62	6139	0.950	ug/L	99
29) 1,1,1-Trichloroethane	5.430	97	7225	0.767	ug/L	97
31) Carbon tetrachloride	5.427	117	702	0.087	ug/L	87
34) Trichloroethene	6.610	95	37083	5.799	ug/L	98
35) Methylcyclohexane	6.755	83	10197	0.952	ug/L #	19
37) 1,2-Dichloropropane	6.758	63	4382	0.725	ug/L #	88
39) cis-1,3-Dichloropropene	7.607	75	850	0.090	ug/L #	41
47) Tetrachloroethene	8.581	164	49960	9.606	ug/L	96
49) Dibromochloromethane	8.581	129	49029	8.085	ug/L #	10
61) 1,2,3-Trichloropropane	11.819	75	7641	1.505	ug/L #	65
62) 1,3,5-Trimethylbenzene	11.902	105	2063	0.090	ug/L	96
71) Naphthalene	14.089	128	5837	0.312	ug/L #	20

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Response via : Initial Calibration

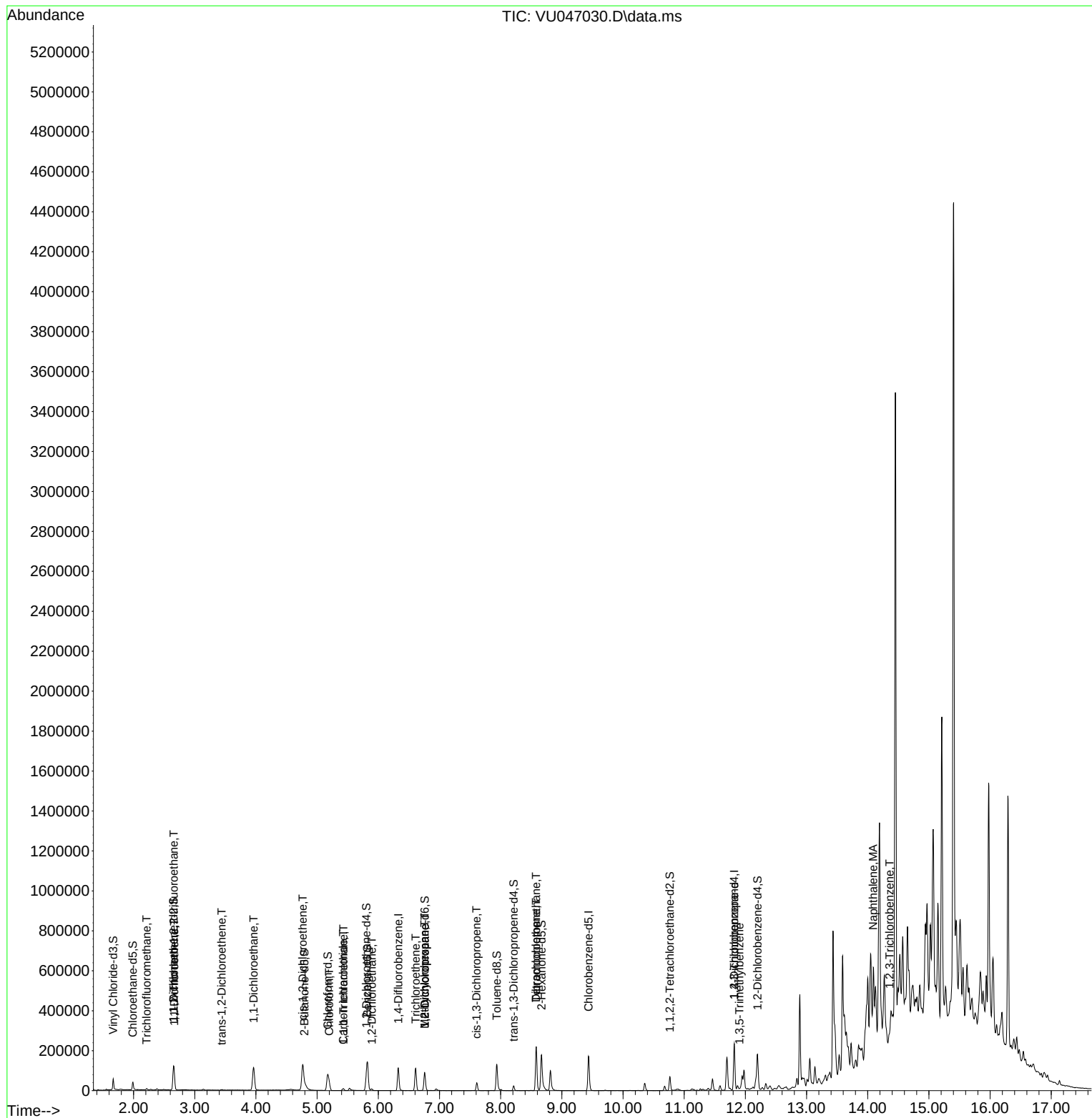
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.356	180	4747	0.547	ug/L	# 14

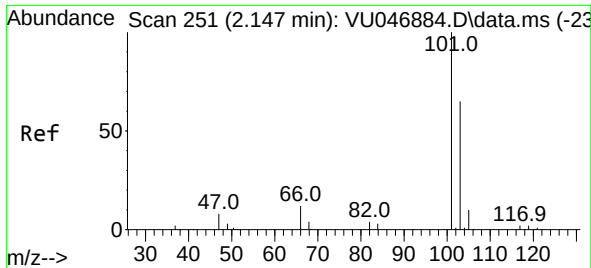
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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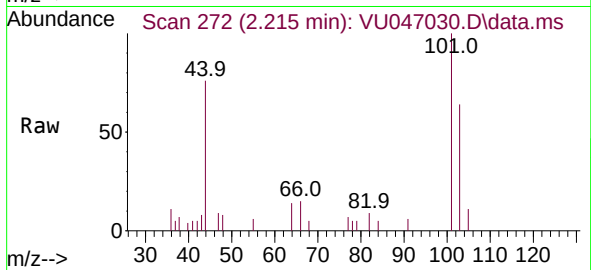
Quant Time: Feb 04 05:49:35 2022
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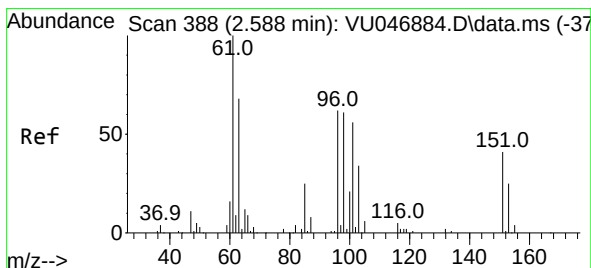
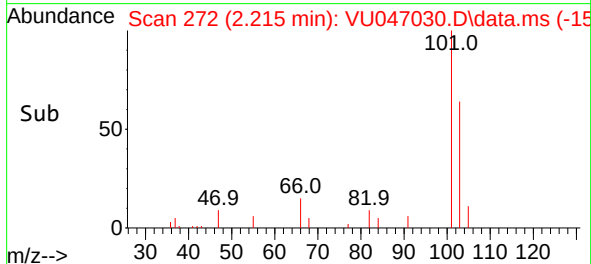
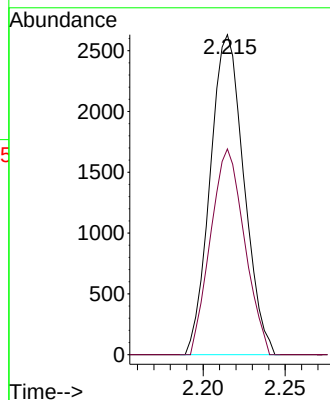


#9
 Trichlorofluoromethane
 Concen: 0.421 ug/L
 RT: 2.215 min Scan# 21
 Delta R.T. 0.068 min
 Lab File: VU047030.D
 Acq: 03 Feb 2022 18:38

Instrument :
 MSVOA_U
 ClientSampleId :

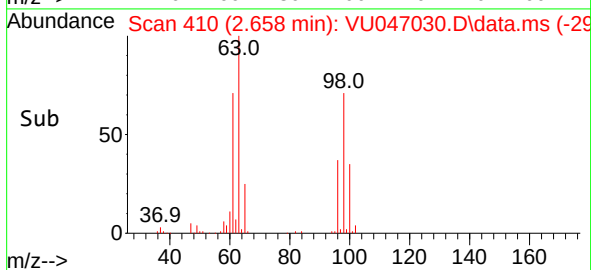
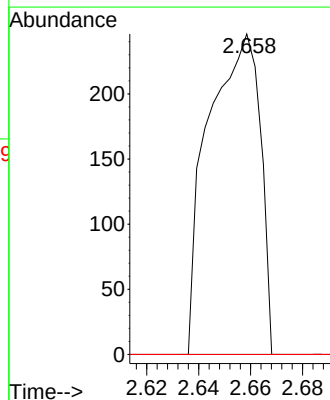
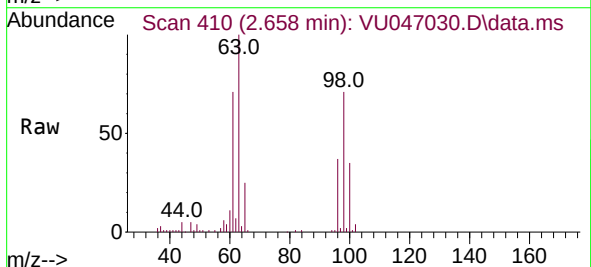


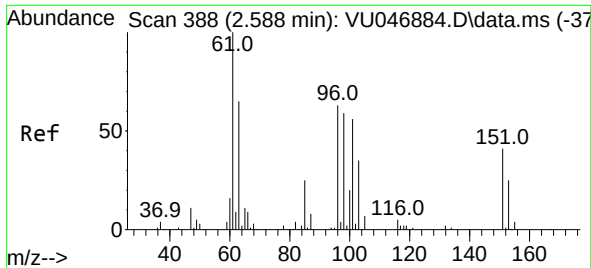
Tgt Ion:101 Resp: 3757
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.064 ug/L
 RT: 2.658 min Scan# 410
 Delta R.T. 0.068 min
 Lab File: VU047030.D
 Acq: 03 Feb 2022 18:38

Tgt Ion:101 Resp: 341
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 4.134 ug/L

RT: 2.665 min Scan# 412

Delta R.T. 0.077 min

Lab File: VU047030.D

Acq: 03 Feb 2022 18:38

Instrument :

MSVOA_U

ClientSampleId :

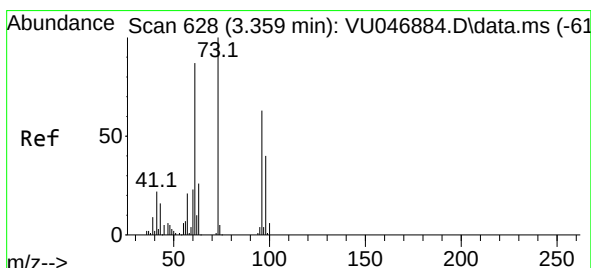
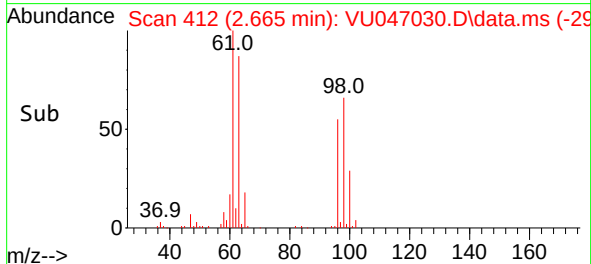
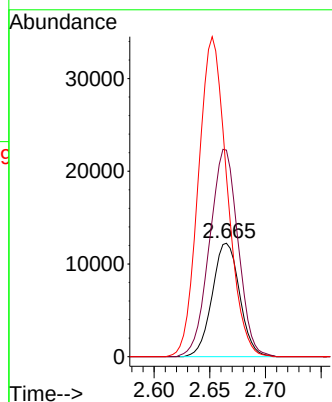
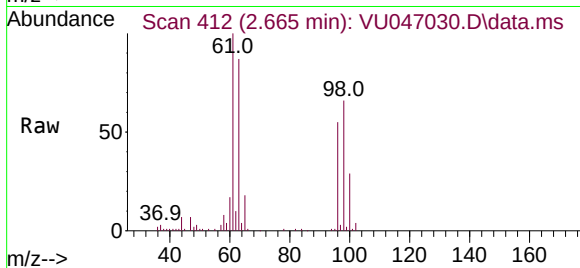
Tgt Ion: 96 Resp: 20982

Ion Ratio Lower Upper

96 100

61 182.0 124.7 231.5

63 158.9 105.2 195.4



#18

trans-1,2-Dichloroethene

Concen: 0.205 ug/L

RT: 3.440 min Scan# 653

Delta R.T. 0.080 min

Lab File: VU047030.D

Acq: 03 Feb 2022 18:38

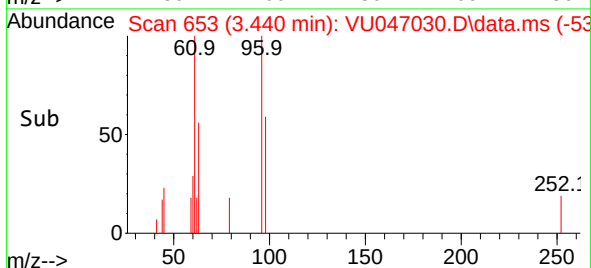
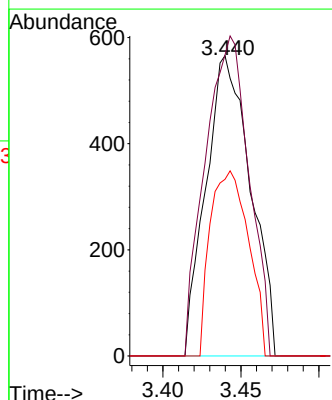
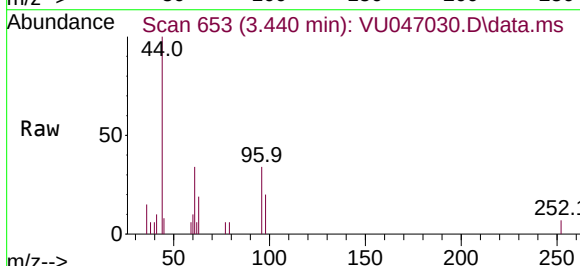
Tgt Ion: 96 Resp: 1128

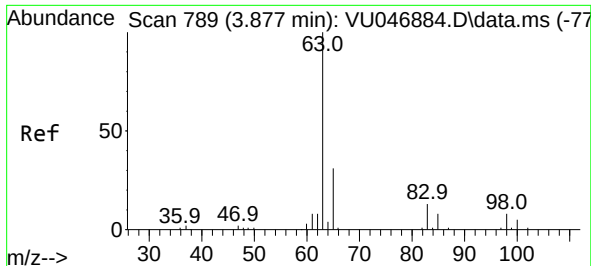
Ion Ratio Lower Upper

96 100

61 100.2 100.8 187.2#

98 58.8 45.1 83.7





#19

1,1-Dichloroethane

Concen: 14.180 ug/L

RT: 3.961 min Scan# 81

Delta R.T. 0.084 min

Lab File: VU047030.D

Acq: 03 Feb 2022 18:38

Instrument :

MSVOA_U

ClientSampleId :

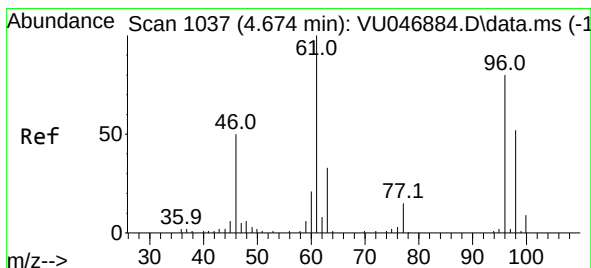
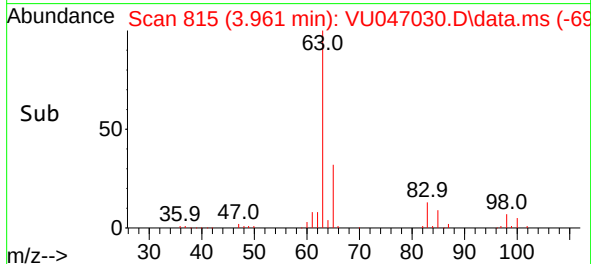
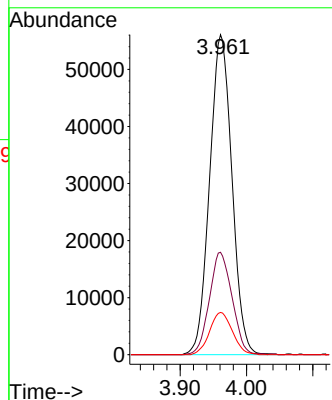
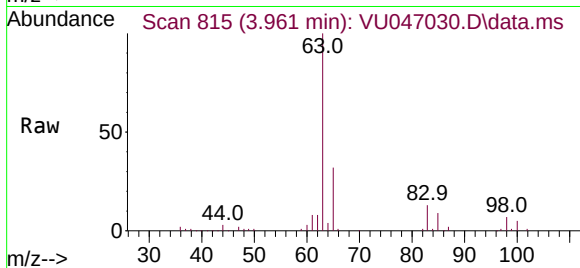
Tgt Ion: 63 Resp: 130847

Ion Ratio Lower Upper

63 100

65 32.0 22.3 41.5

83 13.2 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 10.729 ug/L

RT: 4.765 min Scan# 1065

Delta R.T. 0.090 min

Lab File: VU047030.D

Acq: 03 Feb 2022 18:38

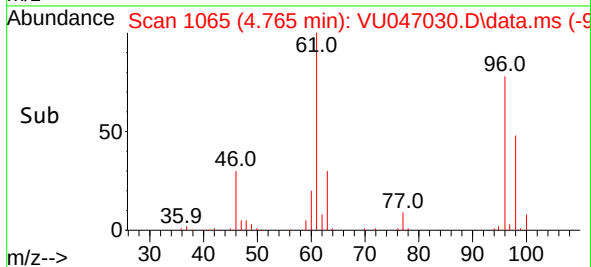
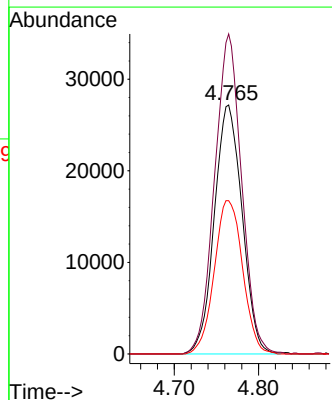
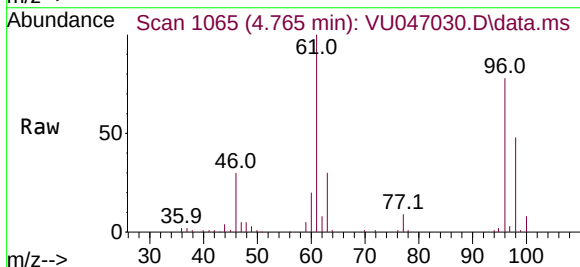
Tgt Ion: 96 Resp: 62214

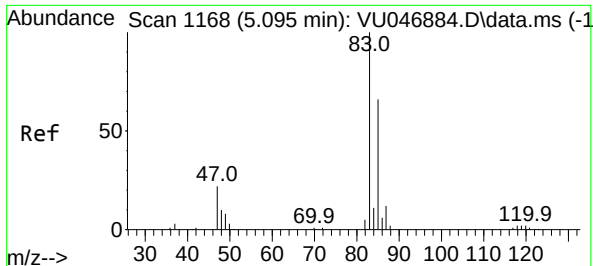
Ion Ratio Lower Upper

96 100

61 128.5 88.5 164.3

98 61.6 44.4 82.5





#25

Chloroform

Concen: 2.048 ug/L

RT: 5.195 min Scan# 1416

Delta R.T. 0.100 min

Lab File: VU047030.D

Acq: 03 Feb 2022 18:38

Instrument :

MSVOA_U

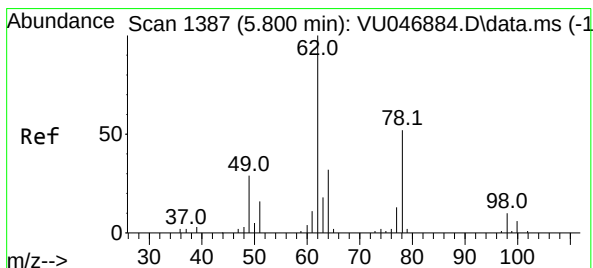
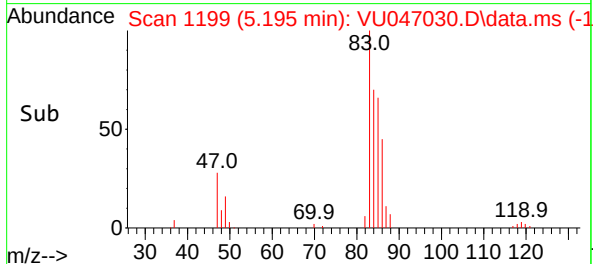
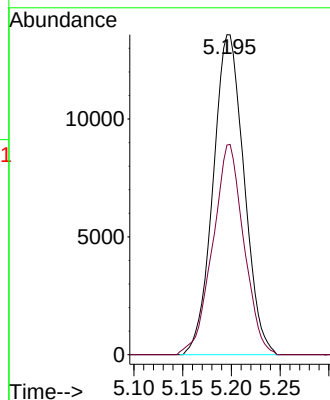
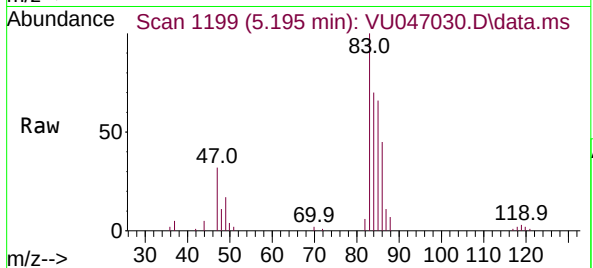
ClientSampleId :

Tgt Ion: 83 Resp: 29994

Ion Ratio Lower Upper

83 100

85 65.5 46.9 87.1



#27

1,2-Dichloroethane

Concen: 0.950 ug/L

RT: 5.893 min Scan# 1416

Delta R.T. 0.093 min

Lab File: VU047030.D

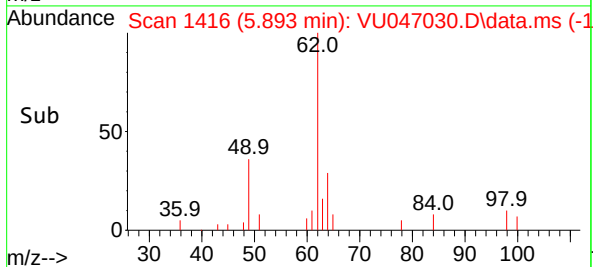
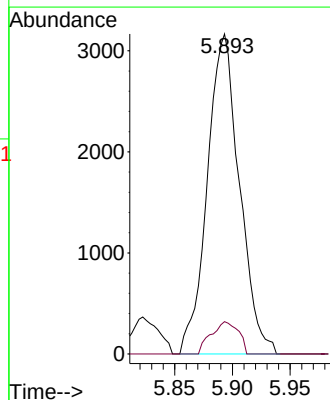
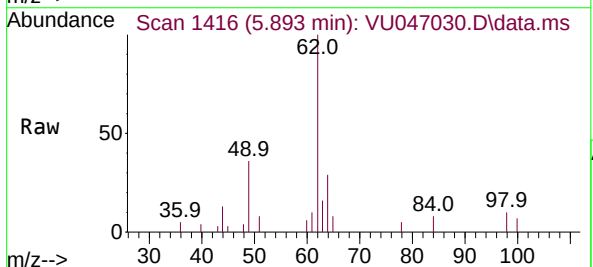
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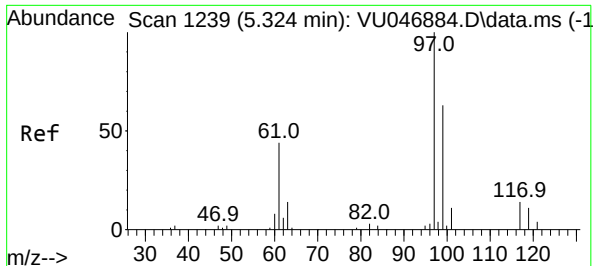
Tgt Ion: 62 Resp: 6139

Ion Ratio Lower Upper

62 100

98 10.1 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 0.767 ug/L

RT: 5.430 min Scan# 11

Delta R.T. 0.109 min

Lab File: VU047030.D

Acq: 03 Feb 2022 18:38

Instrument :

MSVOA_U

ClientSampleId :

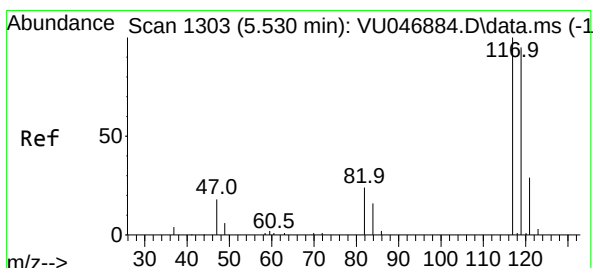
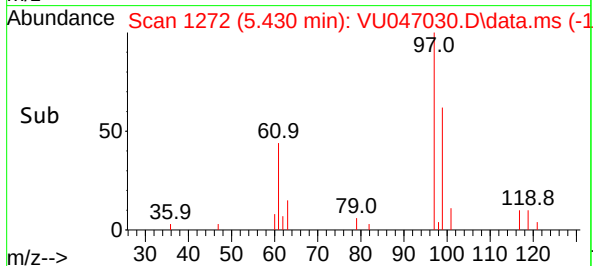
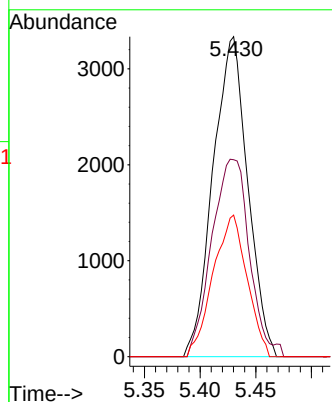
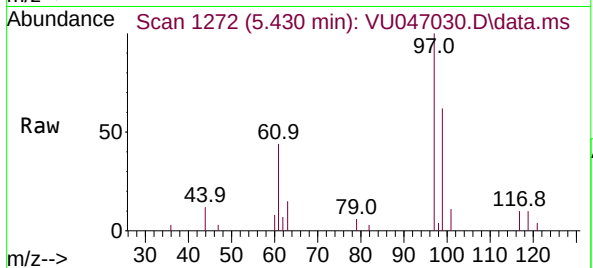
Tgt Ion: 97 Resp: 7225

Ion Ratio Lower Upper

97 100

99 66.9 51.3 76.9

61 43.2 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.087 ug/L

RT: 5.427 min Scan# 1271

Delta R.T. -0.103 min

Lab File: VU047030.D

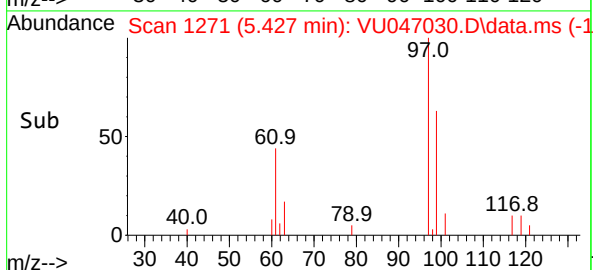
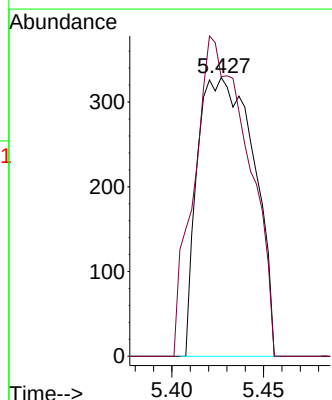
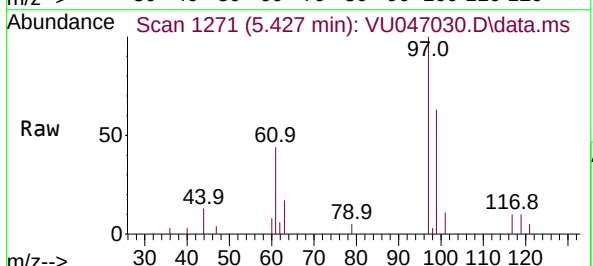
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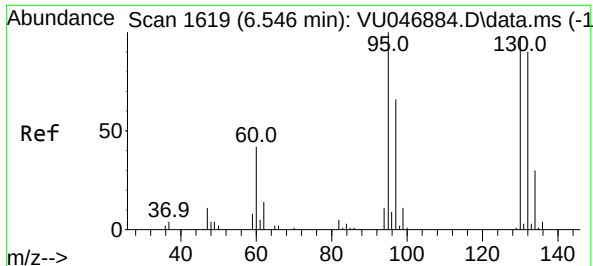
Tgt Ion: 117 Resp: 702

Ion Ratio Lower Upper

117 100

119 109.3 77.5 116.3

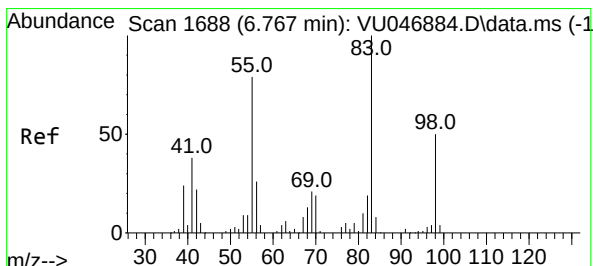
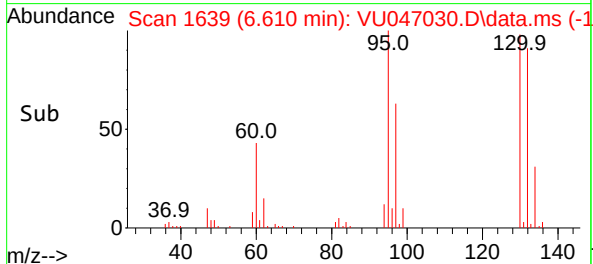
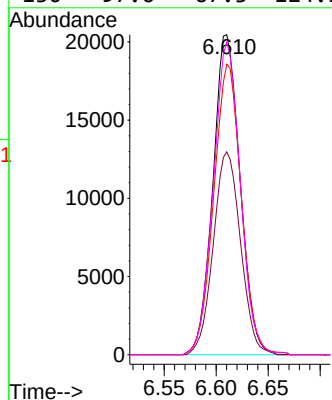
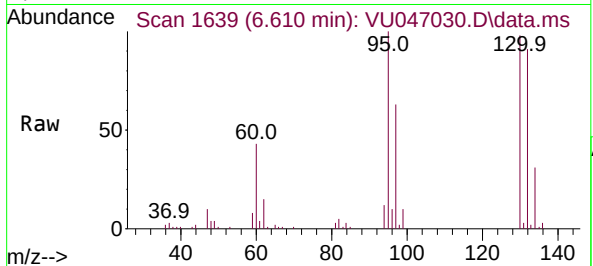




#34
Trichloroethene
Concen: 5.799 ug/L
RT: 6.610 min Scan# 1639
Delta R.T. 0.064 min
Lab File: VU047030.D
Acq: 03 Feb 2022 18:38

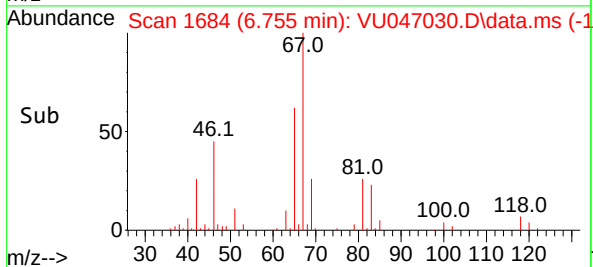
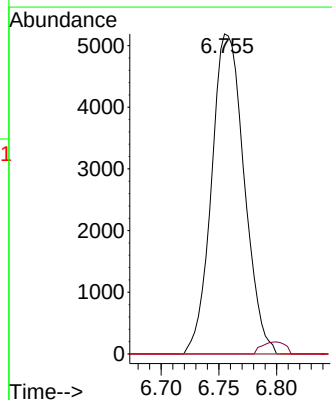
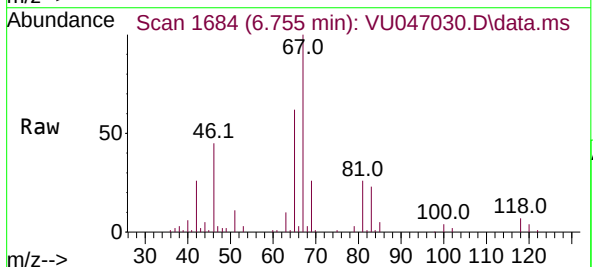
Instrument :
MSVOA_U
ClientSampleId :

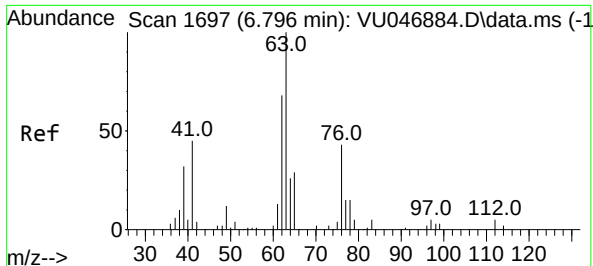
Tgt Ion: 95 Resp: 37083
Ion Ratio Lower Upper
95 100
97 63.4 46.5 86.5
132 90.8 65.1 120.9
130 97.6 67.3 124.9



#35
Methylcyclohexane
Concen: 0.952 ug/L
RT: 6.755 min Scan# 1684
Delta R.T. -0.013 min
Lab File: VU047030.D
Acq: 03 Feb 2022 18:38

Tgt Ion: 83 Resp: 10197
Ion Ratio Lower Upper
83 100
55 2.7 61.9 92.9#
98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.725 ug/L

RT: 6.758 min Scan# 1

Delta R.T. -0.035 min

Lab File: VU047030.D

Acq: 03 Feb 2022 18:38

Instrument :

MSVOA_U

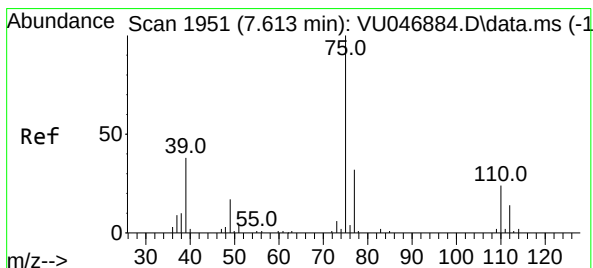
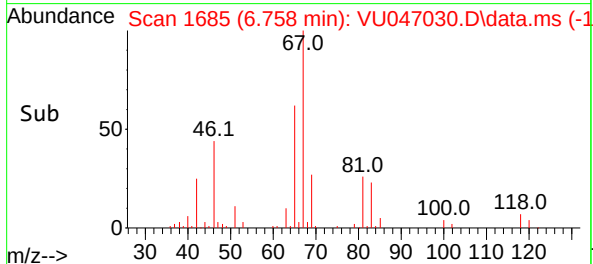
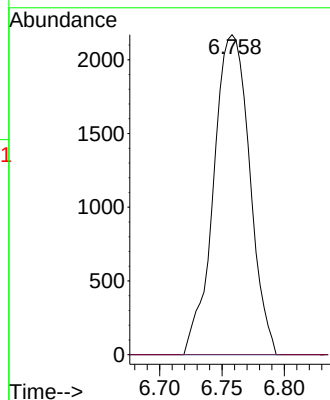
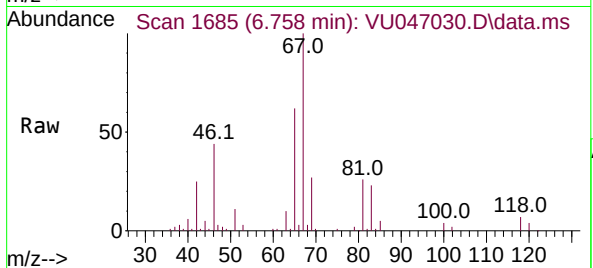
ClientSampleId :

Tgt Ion: 63 Resp: 4382

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU047030.D

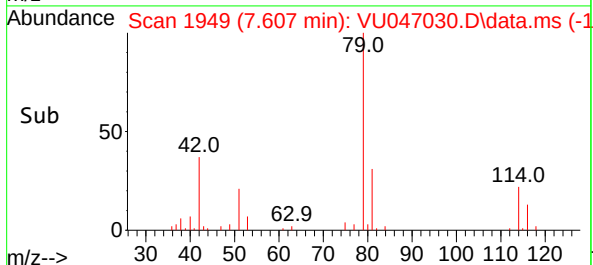
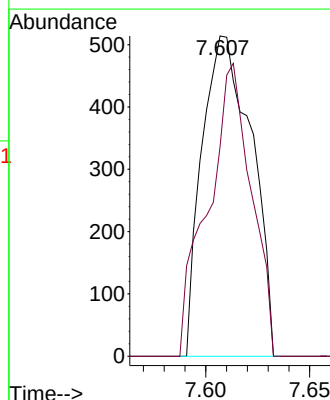
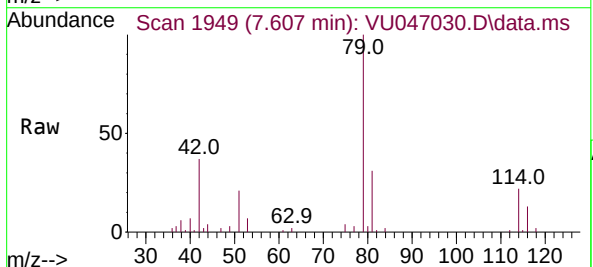
Acq: 03 Feb 2022 18:38

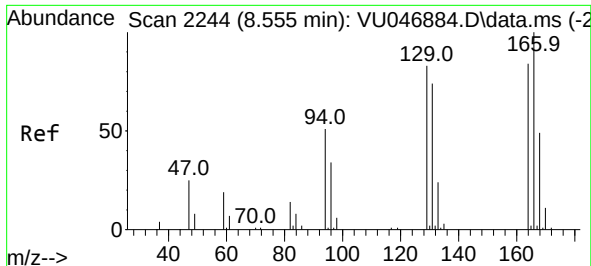
Tgt Ion: 75 Resp: 850

Ion Ratio Lower Upper

75 100

77 65.4 22.5 41.9#





#47

Tetrachloroethene

Concen: 9.606 ug/L

RT: 8.581 min Scan# 21

Delta R.T. 0.026 min

Lab File: VU047030.D

Acq: 03 Feb 2022 18:38

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 49960

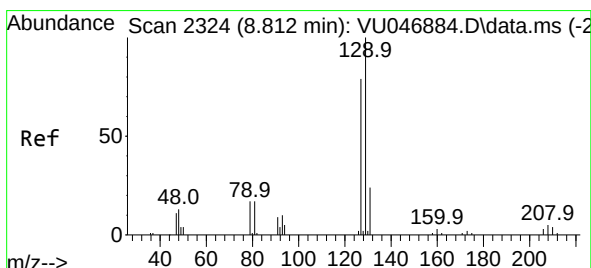
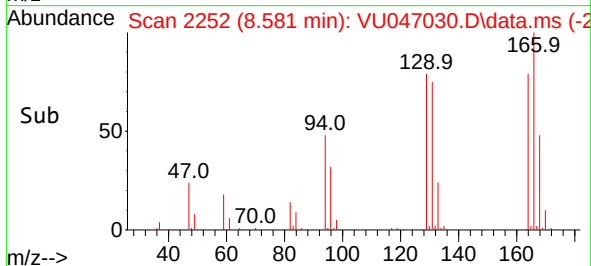
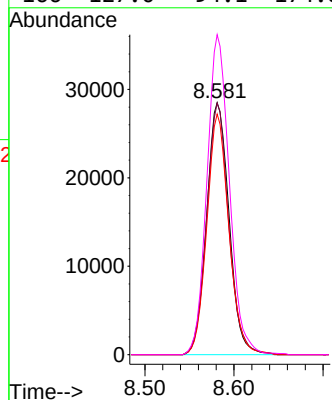
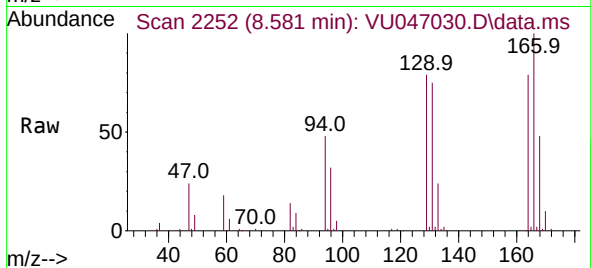
Ion Ratio Lower Upper

164 100

129 99.8 71.8 133.4

131 95.5 68.5 127.3

166 127.0 94.1 174.8



#49

Dibromochloromethane

Concen: 8.085 ug/L

RT: 8.581 min Scan# 2252

Delta R.T. -0.231 min

Lab File: VU047030.D

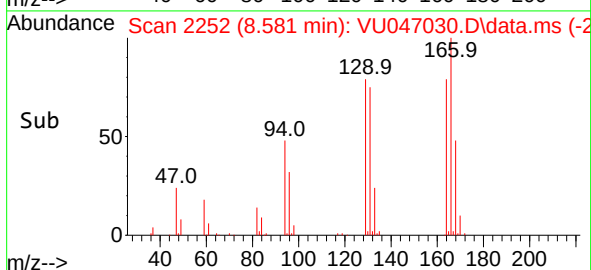
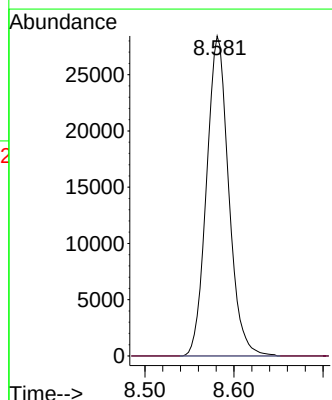
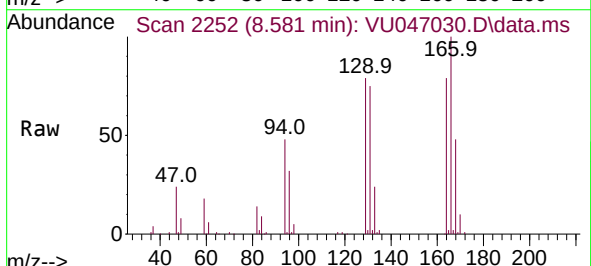
Acq: 03 Feb 2022 18:38

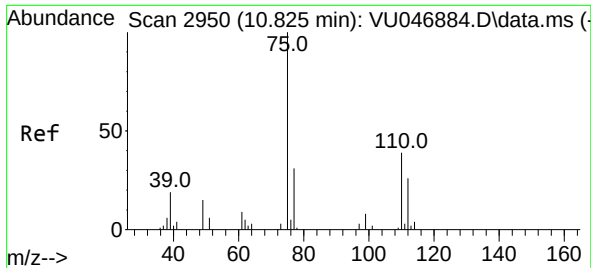
Tgt Ion:129 Resp: 49029

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#

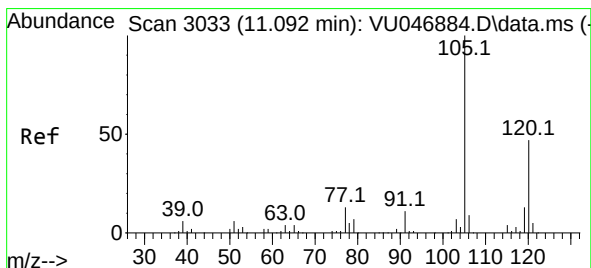
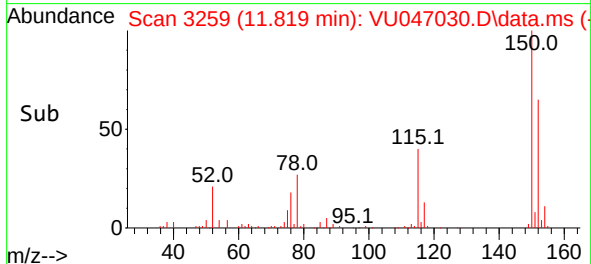
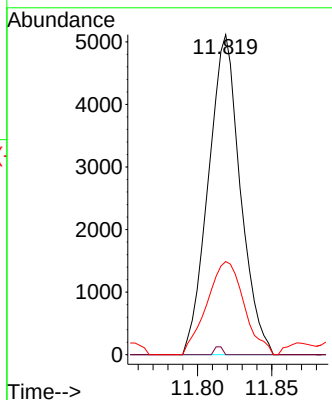
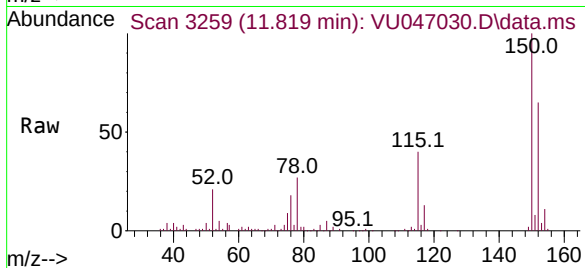




#61
 1,2,3-Trichloropropane
 Concen: 1.505 ug/L
 RT: 11.819 min Scan# 31
 Delta R.T. 0.994 min
 Lab File: VU047030.D
 Acq: 03 Feb 2022 18:38

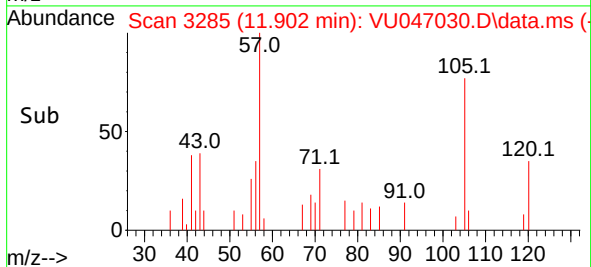
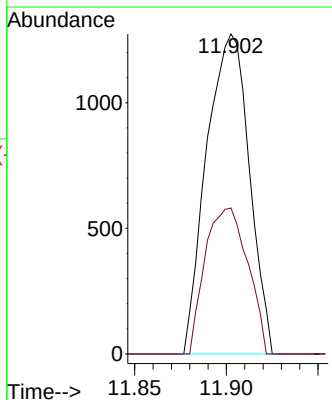
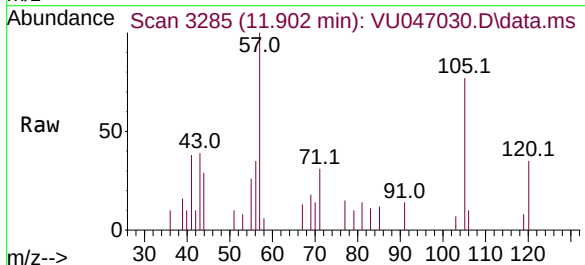
Instrument :
 MSVOA_U
 ClientSampleId :

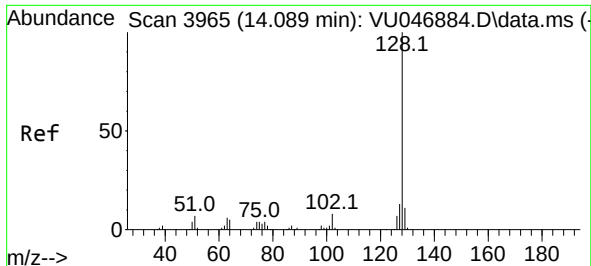
Tgt Ion: 75 Resp: 7641
 Ion Ratio Lower Upper
 75 100
 110 0.0 29.9 44.9#
 77 33.9 25.5 38.3



#62
 1,3,5-Trimethylbenzene
 Concen: 0.090 ug/L
 RT: 11.902 min Scan# 3285
 Delta R.T. 0.810 min
 Lab File: VU047030.D
 Acq: 03 Feb 2022 18:38

Tgt Ion: 105 Resp: 2063
 Ion Ratio Lower Upper
 105 100
 120 45.5 38.3 57.5

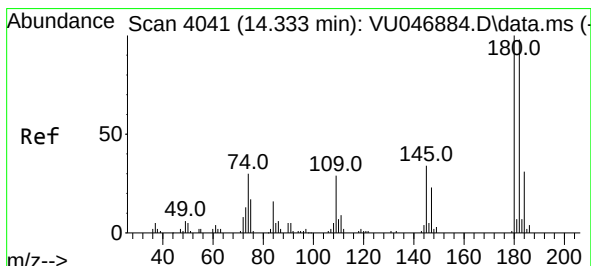
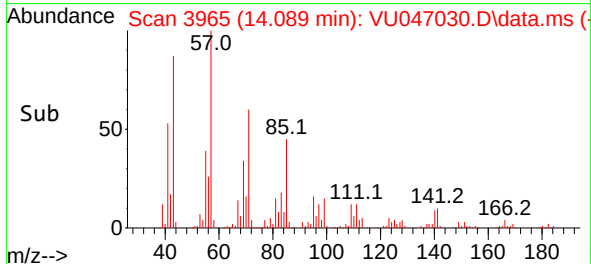
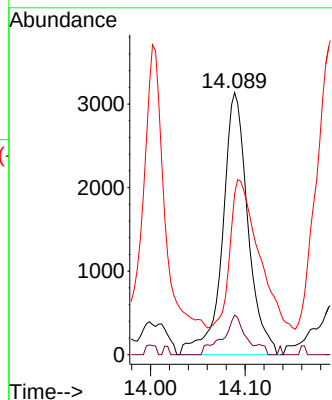
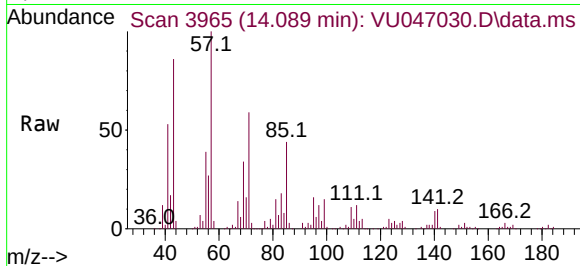




#71
Naphthalene
Concen: 0.312 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU047030.D
Acq: 03 Feb 2022 18:38

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 5837
Ion Ratio Lower Upper
128 100
129 13.1 8.4 12.6#
127 68.0 10.2 15.2#



#72
1,2,3-Trichlorobenzene
Concen: 0.547 ug/L
RT: 14.356 min Scan# 4048
Delta R.T. 0.026 min
Lab File: VU047030.D
Acq: 03 Feb 2022 18:38

Tgt Ion:180 Resp: 4747
Ion Ratio Lower Upper
180 100
182 0.0 76.2 114.4#
145 2.9 28.4 42.6#

