

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080522\
 Data File : VU050100.D
 Acq On : 05 Aug 2022 16:40
 Operator : SY/MD
 Sample : N4027-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 06 04:36:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 06 04:32:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	75202	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	74309	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	28450	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	27786	4.440	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.800%
7) Chloroethane-d5	1.909	69	24208	4.794	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.800%
11) 1,1-Dichloroethene-d2	2.565	65	11244	4.597	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.000%
20) 2-Butanone-d5	4.623	46	86521	56.692	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.380%
24) Chloroform-d	5.063	84	56964	4.893	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	5.703	65	31116	5.206	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
32) Benzene-d6	5.729	84	113793	4.907	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
36) 1,2-Dichloropropane-d6	6.693	67	39800	5.212	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.200%
41) Toluene-d8	7.899	98	92502	4.517	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	8.182	79	13631	4.981	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.600%
46) 2-Hexanone-d5	8.636	63	52714	54.323	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.640%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	35108	5.235	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	31248	5.606	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	1170	0.130	ug/L #	81
5) Vinyl chloride	1.604	62	1119	0.139	ug/L #	47
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	857	0.174	ug/L #	72
12) 1,1-Dichloroethene	2.578	96	3127	0.602	ug/L #	1
13) Acetone	2.629	43	6303	7.416	ug/L	89
18) trans-1,2-Dichloroethene	3.353	96	511	0.088	ug/L	94
19) 1,1-Dichloroethane	3.870	63	7984	0.724	ug/L	95
21) 2-Butanone	4.719	43	2147	1.405	ug/L	86
22) cis-1,2-Dichloroethene	4.668	96	40213	6.225	ug/L	96
25) Chloroform	5.089	83	2513	0.214	ug/L	97
27) 1,2-Dichloroethane	5.796	62	1184	0.166	ug/L #	73
31) Carbon tetrachloride	5.533	117	1844	0.247	ug/L	85
34) Trichloroethene	6.542	95	197413	31.351	ug/L	96
35) Methylcyclohexane	6.693	83	9189	1.130	ug/L #	18
37) 1,2-Dichloropropane	6.693	63	4122	0.594	ug/L #	89
39) cis-1,3-Dichloropropene	7.565	75	875	0.097	ug/L #	49
47) Tetrachloroethene	8.555	164	2139	0.474	ug/L	83
49) Dibromochloromethane	8.552	129	2252	0.392	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	3377	0.871	ug/L #	67

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Response via : Initial Calibration

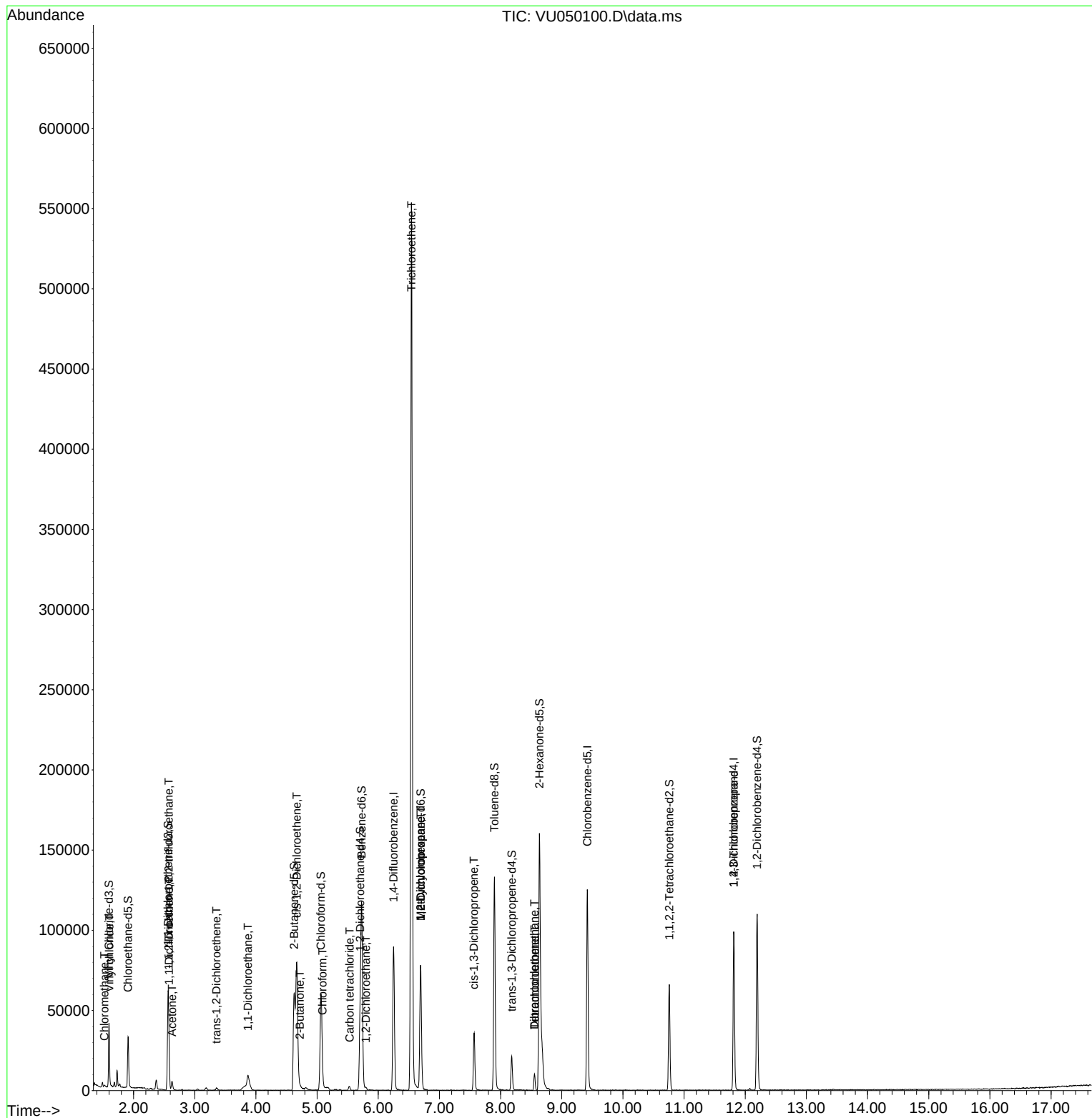
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

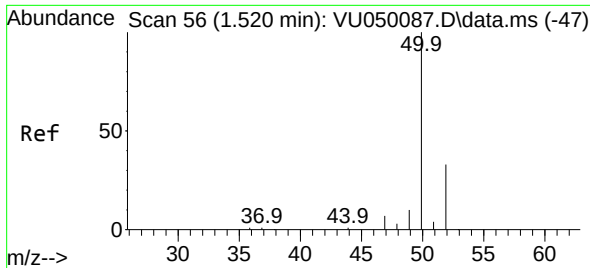
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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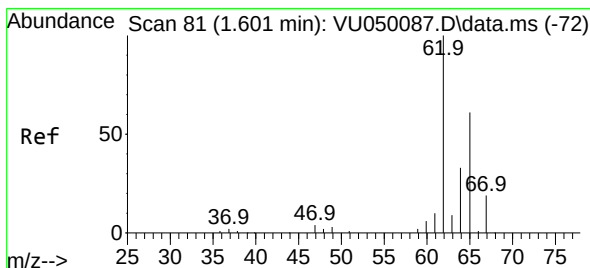
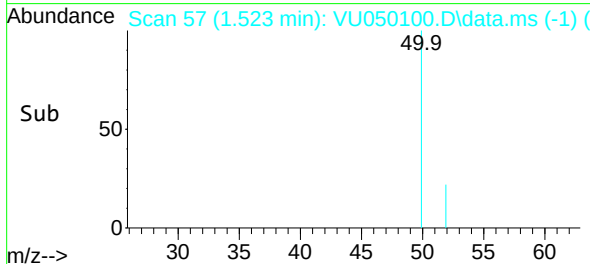
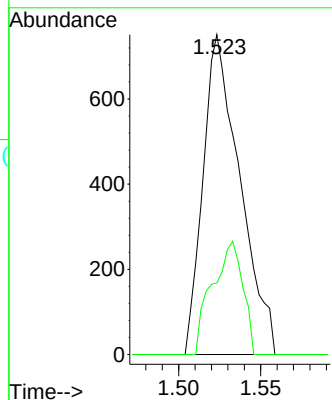
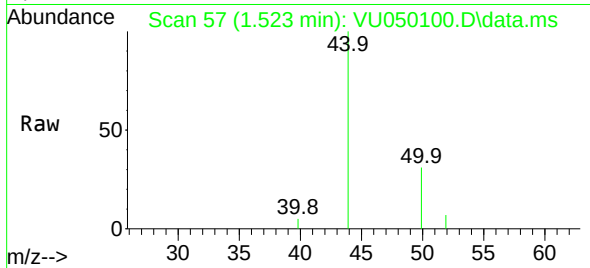




#3
Chloromethane
Concen: 0.130 ug/L
RT: 1.523 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU050100.D
Acq: 05 Aug 2022 16:40

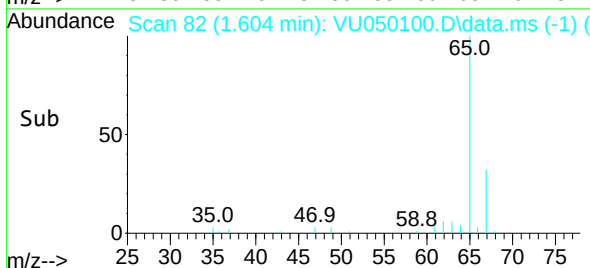
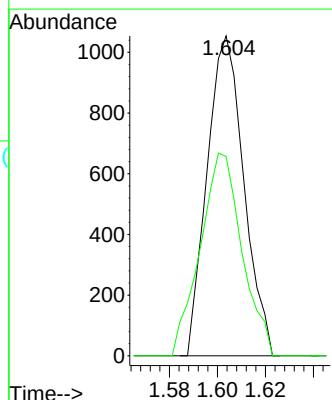
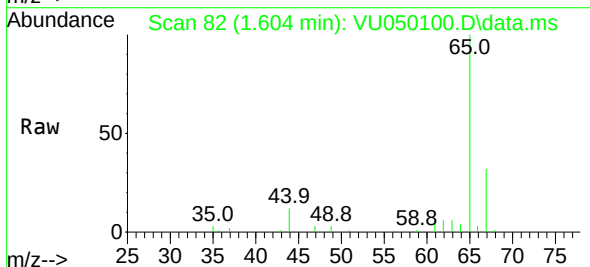
Instrument :
MSVOA_U
ClientSampleId :

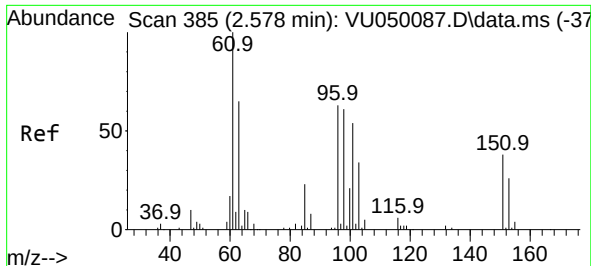
Tgt Ion: 50 Resp: 1170
Ion Ratio Lower Upper
50 100
52 22.4 23.2 43.2#



#5
Vinyl chloride
Concen: 0.139 ug/L
RT: 1.604 min Scan# 82
Delta R.T. 0.003 min
Lab File: VU050100.D
Acq: 05 Aug 2022 16:40

Tgt Ion: 62 Resp: 1119
Ion Ratio Lower Upper
62 100
64 62.3 22.8 42.4#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.174 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU050100.D

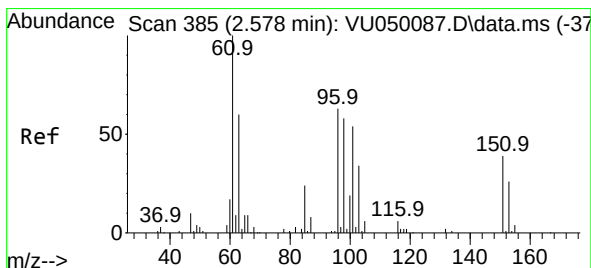
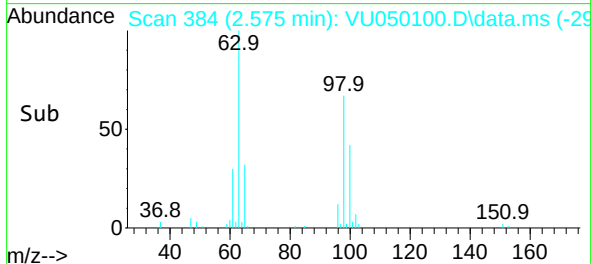
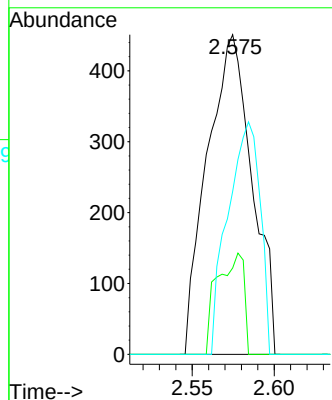
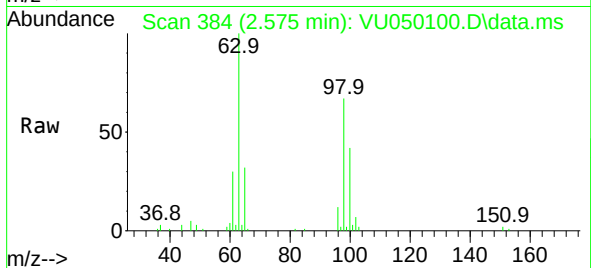
Acq: 05 Aug 2022 16:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	857
Ion	Ratio	Lower	Upper
101	100		
85	18.8	35.6	53.4#
151	52.2	55.2	82.8#



#12

1,1-Dichloroethene

Concen: 0.602 ug/L

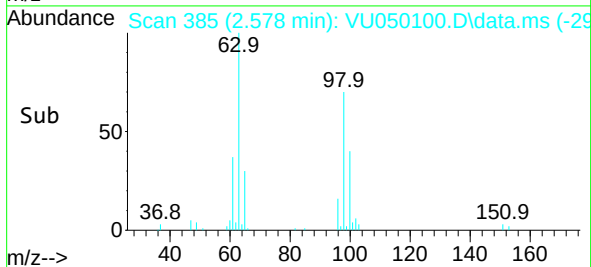
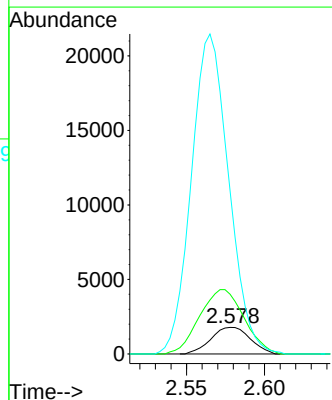
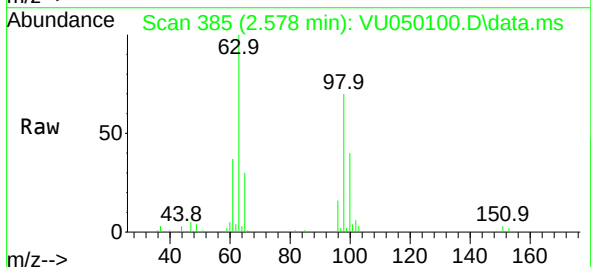
RT: 2.578 min Scan# 385

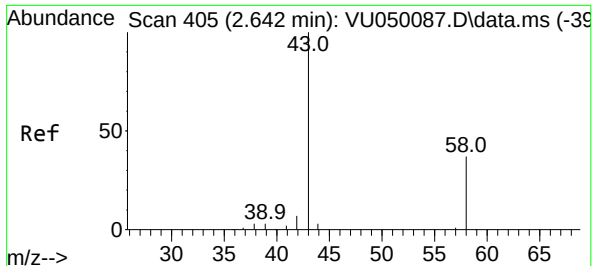
Delta R.T. -0.000 min

Lab File: VU050100.D

Acq: 05 Aug 2022 16:40

Tgt Ion:	96	Resp:	3127
Ion	Ratio	Lower	Upper
96	100		
61	224.8	122.7	227.9
63	613.1	85.1	158.1#





#13

Acetone

Concen: 7.416 ug/L

RT: 2.629 min Scan# 40

Delta R.T. -0.013 min

Lab File: VU050100.D

Acq: 05 Aug 2022 16:40

Instrument :

MSVOA_U

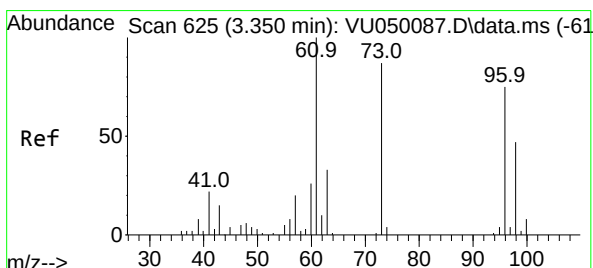
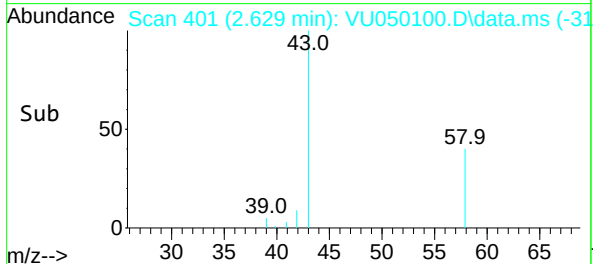
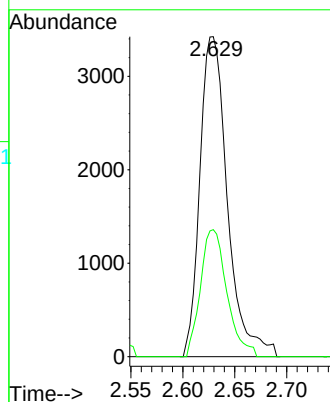
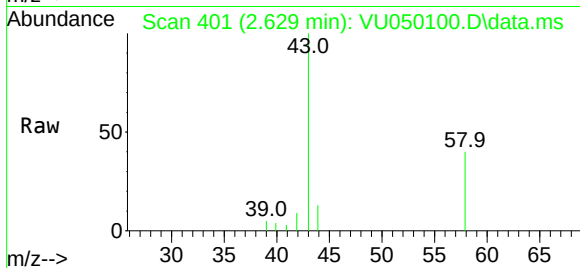
ClientSampleId :

Tgt Ion: 43 Resp: 6303

Ion Ratio Lower Upper

43 100

58 38.1 0.0 64.0



#18

trans-1,2-Dichloroethene

Concen: 0.088 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.003 min

Lab File: VU050100.D

Acq: 05 Aug 2022 16:40

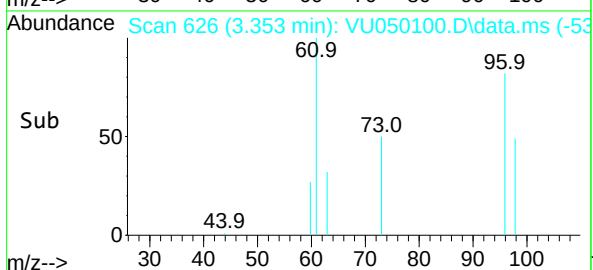
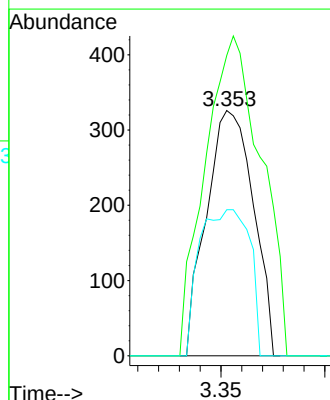
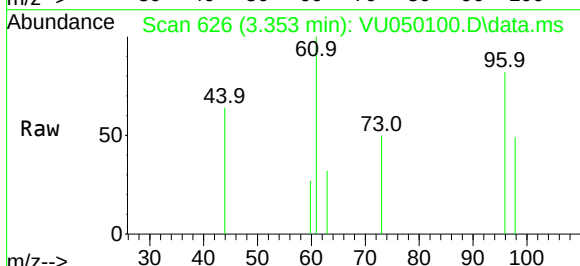
Tgt Ion: 96 Resp: 511

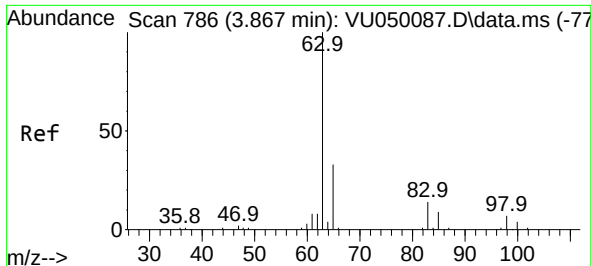
Ion Ratio Lower Upper

96 100

61 122.4 92.3 171.5

98 59.5 43.2 80.2





#19

1,1-Dichloroethane

Concen: 0.724 ug/L

RT: 3.870 min Scan# 7984

Delta R.T. 0.003 min

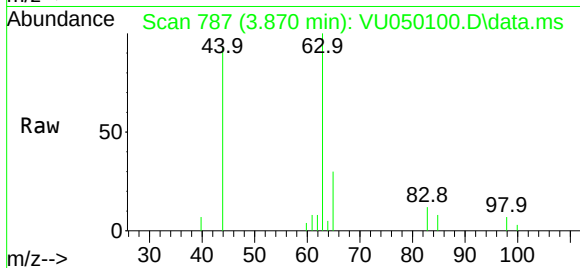
Lab File: VU050100.D

Acq: 05 Aug 2022 16:40

Instrument :

MSVOA_U

ClientSampleId :



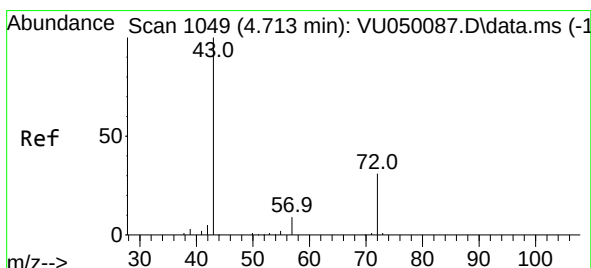
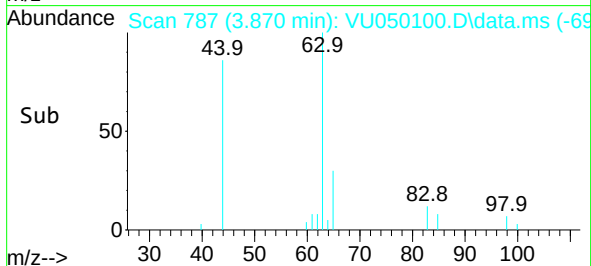
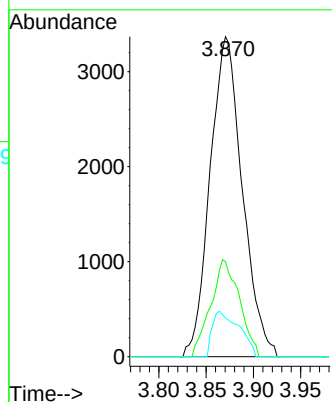
Tgt Ion: 63 Resp: 7984

Ion Ratio Lower Upper

63 100

65 29.8 22.7 42.3

83 12.1 9.8 18.2



#21

2-Butanone

Concen: 1.405 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. 0.006 min

Lab File: VU050100.D

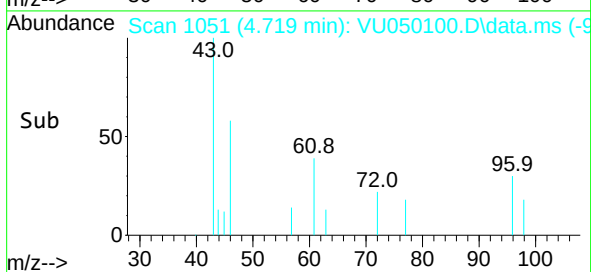
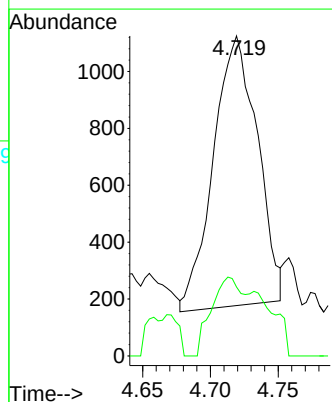
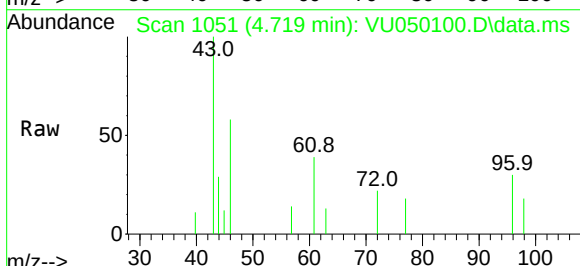
Acq: 05 Aug 2022 16:40

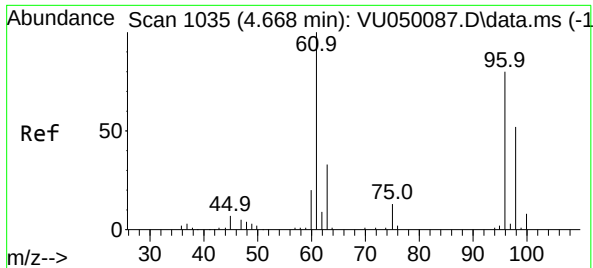
Tgt Ion: 43 Resp: 2147

Ion Ratio Lower Upper

43 100

72 20.7 14.0 42.0

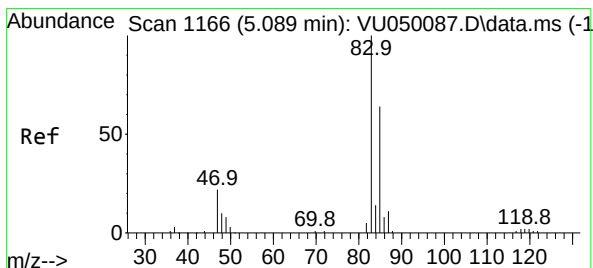
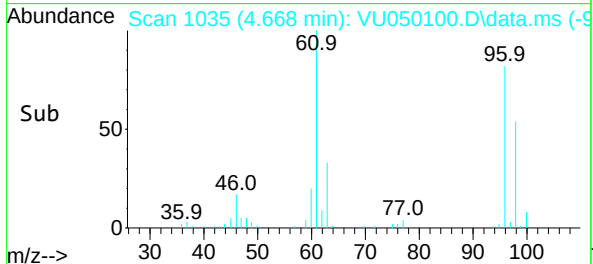
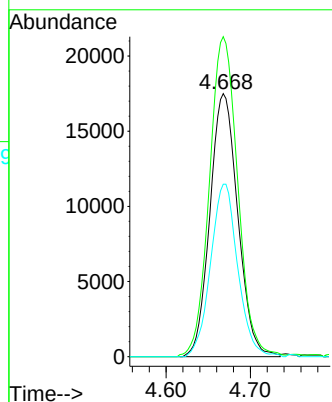
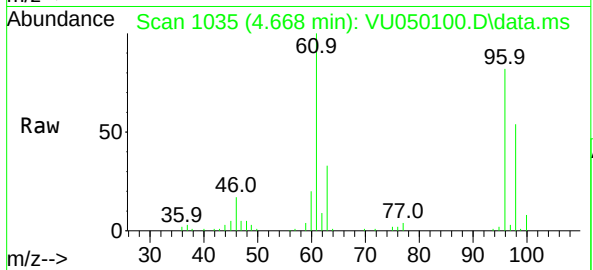




#22
 cis-1,2-Dichloroethene
 Concen: 6.225 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.000 min
 Lab File: VU050100.D
 Acq: 05 Aug 2022 16:40

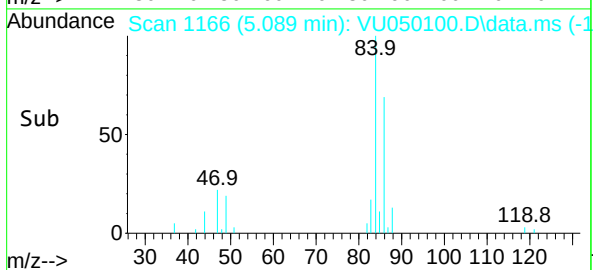
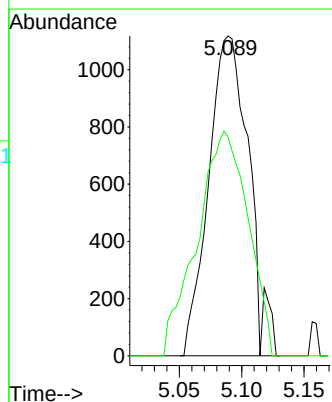
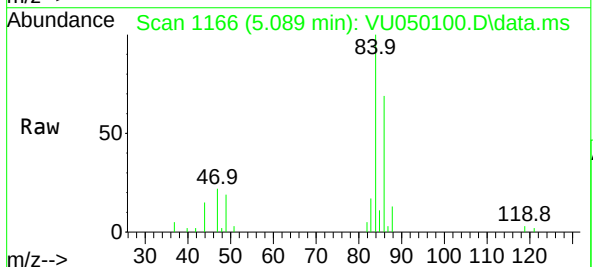
Instrument :
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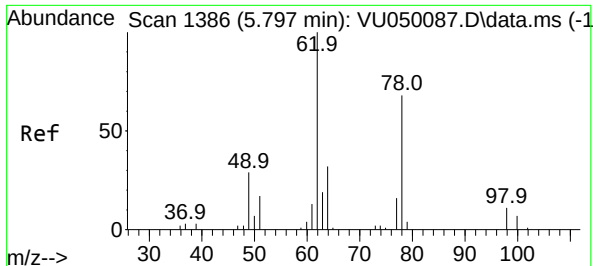
Tgt Ion: 96 Resp: 40213
 Ion Ratio Lower Upper
 96 100
 61 121.6 89.0 165.4
 98 65.5 45.2 84.0



#25
 Chloroform
 Concen: 0.214 ug/L
 RT: 5.089 min Scan# 1166
 Delta R.T. -0.000 min
 Lab File: VU050100.D
 Acq: 05 Aug 2022 16:40

Tgt Ion: 83 Resp: 2513
 Ion Ratio Lower Upper
 83 100
 85 68.4 46.1 85.5

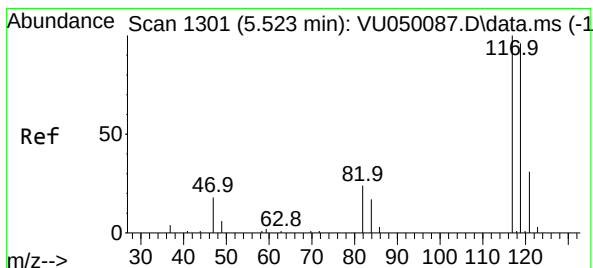
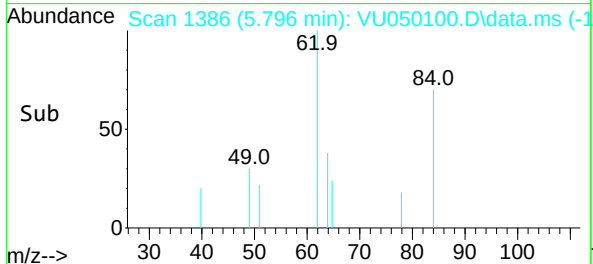
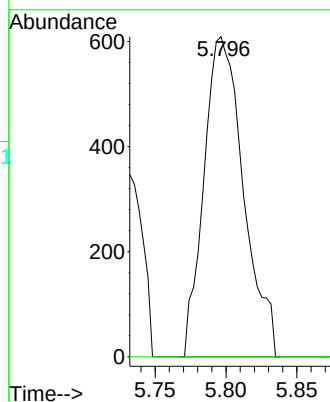
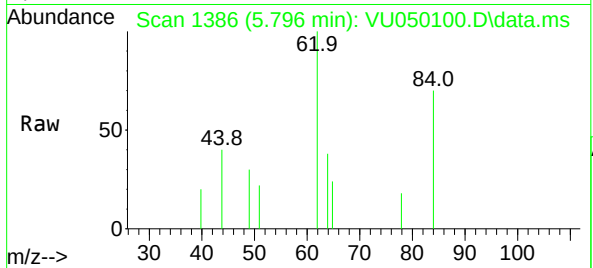




#27
1,2-Dichloroethane
Concen: 0.166 ug/L
RT: 5.796 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU050100.D
Acq: 05 Aug 2022 16:40

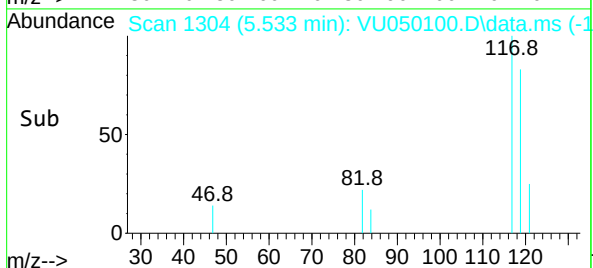
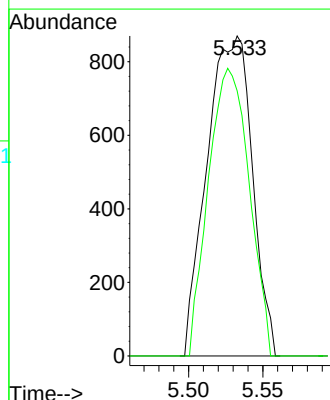
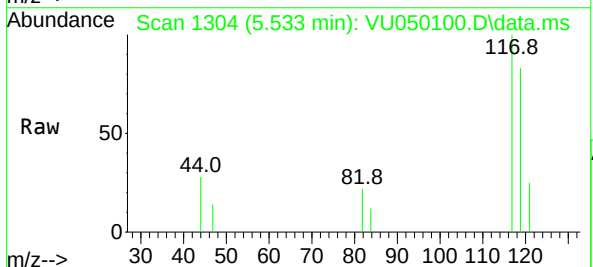
Instrument :
MSVOA_U
ClientSampleId :

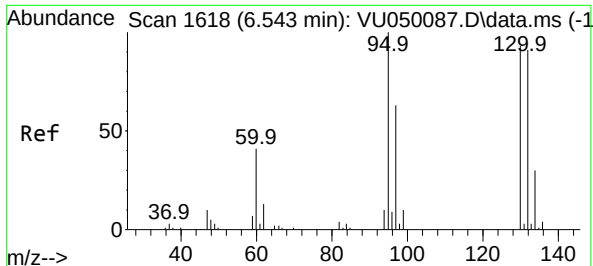
Tgt Ion: 62 Resp: 1184
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#



#31
Carbon tetrachloride
Concen: 0.247 ug/L
RT: 5.533 min Scan# 1304
Delta R.T. 0.009 min
Lab File: VU050100.D
Acq: 05 Aug 2022 16:40

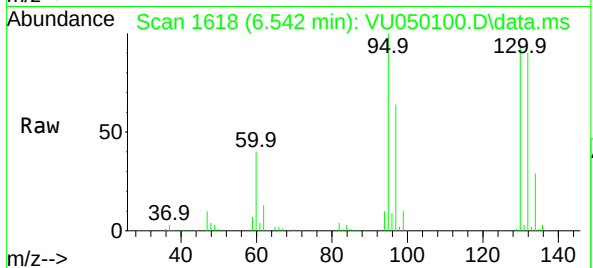
Tgt Ion: 117 Resp: 1844
Ion Ratio Lower Upper
117 100
119 80.9 76.0 114.0



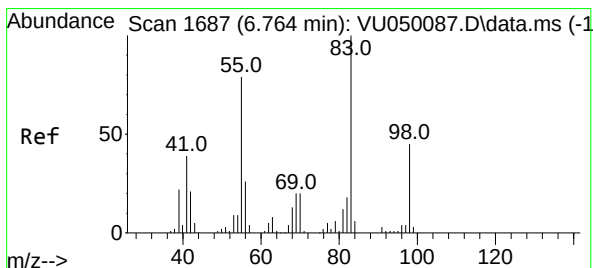
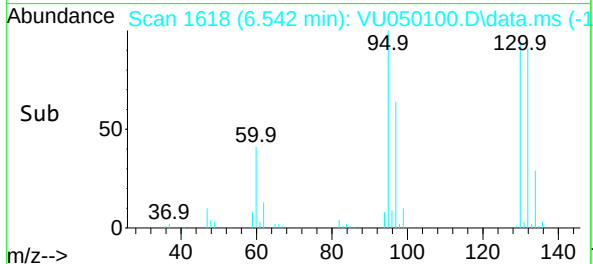
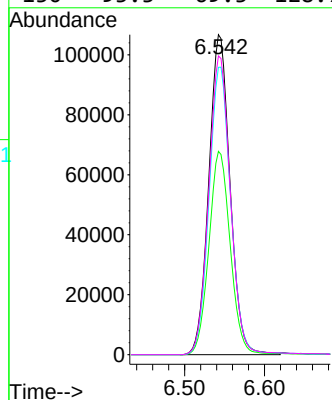


#34
Trichloroethene
Concen: 31.351 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU050100.D
Acq: 05 Aug 2022 16:40

Instrument :
MSVOA_U
ClientSampleId :

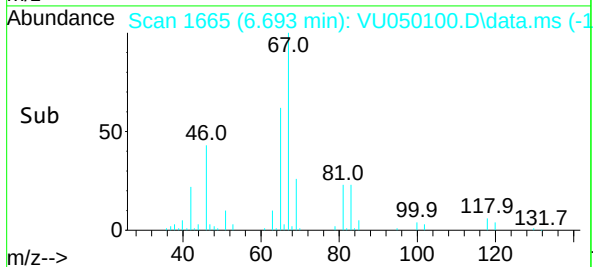
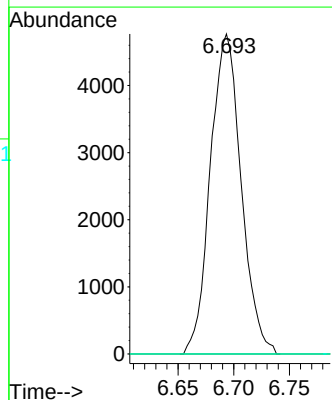
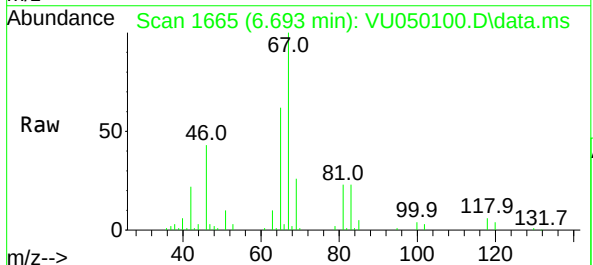


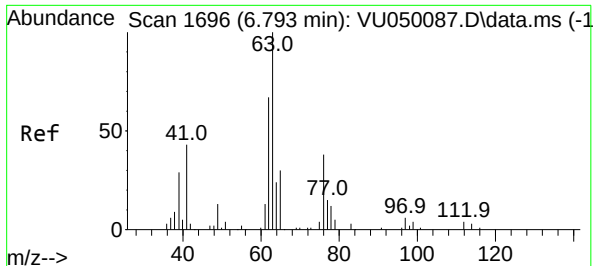
Tgt Ion: 95 Resp: 197413
Ion Ratio Lower Upper
95 100
97 63.5 45.6 84.8
132 89.8 65.0 120.6
130 93.3 69.3 128.7



#35
Methylcyclohexane
Concen: 1.130 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.071 min
Lab File: VU050100.D
Acq: 05 Aug 2022 16:40

Tgt Ion: 83 Resp: 9189
Ion Ratio Lower Upper
83 100
55 0.0 62.7 94.1#
98 0.0 36.2 54.2#





#37

1,2-Dichloropropane

Concen: 0.594 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU050100.D

Acq: 05 Aug 2022 16:40

Instrument :

MSVOA_U

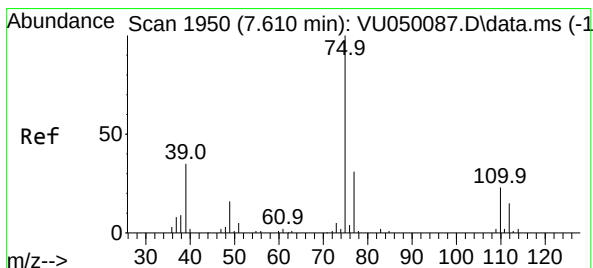
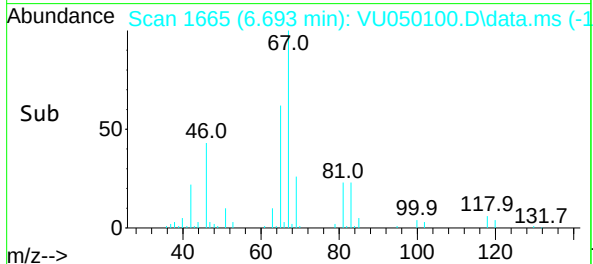
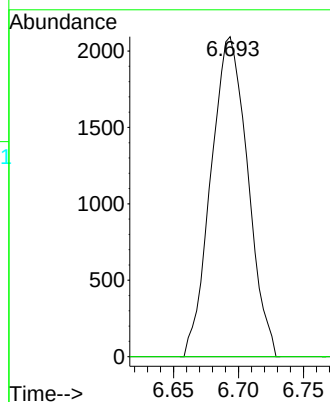
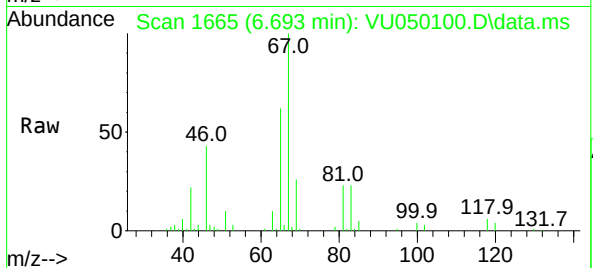
ClientSampleId :

Tgt Ion: 63 Resp: 4122

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU050100.D

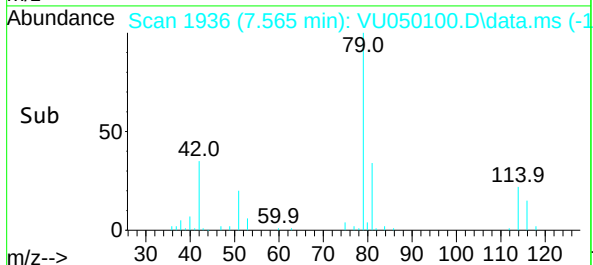
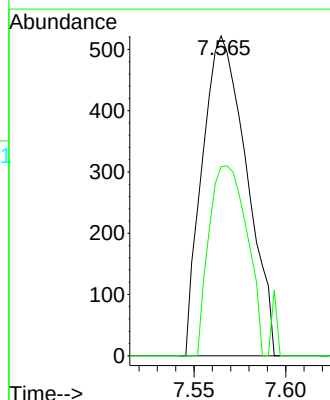
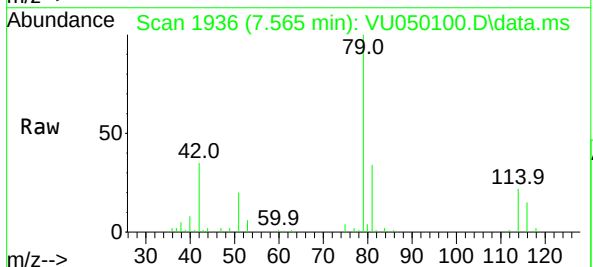
Acq: 05 Aug 2022 16:40

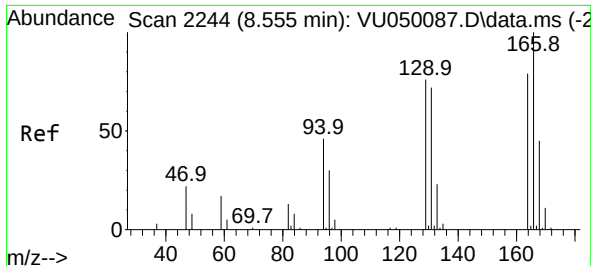
Tgt Ion: 75 Resp: 875

Ion Ratio Lower Upper

75 100

77 59.2 21.8 40.4#





#47

Tetrachloroethene

Concen: 0.474 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.000 min

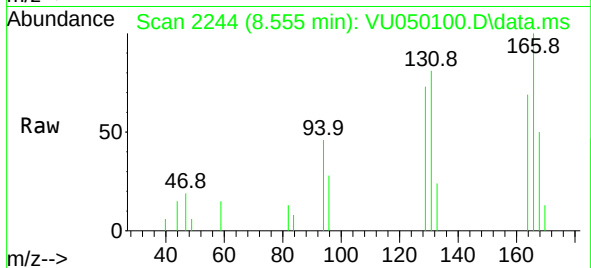
Lab File: VU050100.D

Acq: 05 Aug 2022 16:40

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 2139

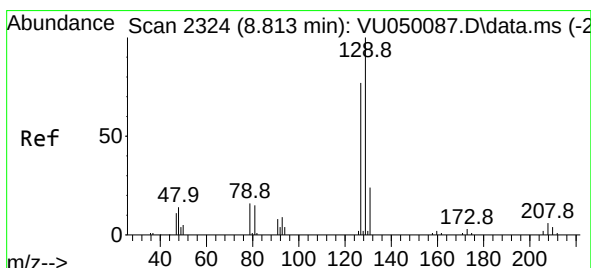
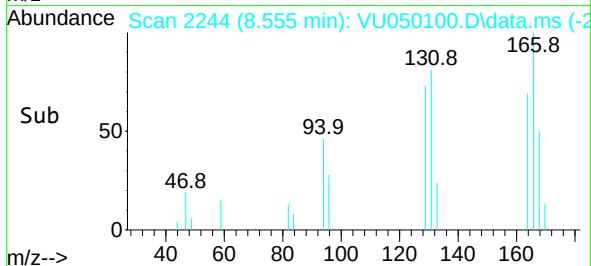
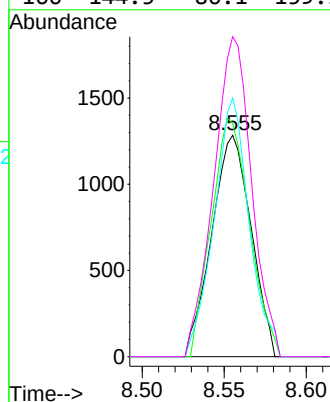
Ion Ratio Lower Upper

164 100

129 105.5 69.0 128.1

131 116.7 65.8 122.2

166 144.5 86.1 159.9



#49

Dibromochloromethane

Concen: 0.392 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.261 min

Lab File: VU050100.D

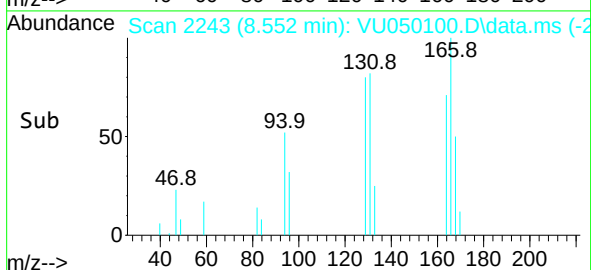
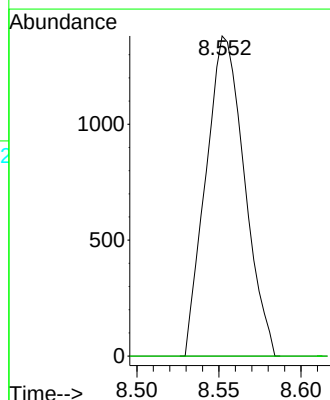
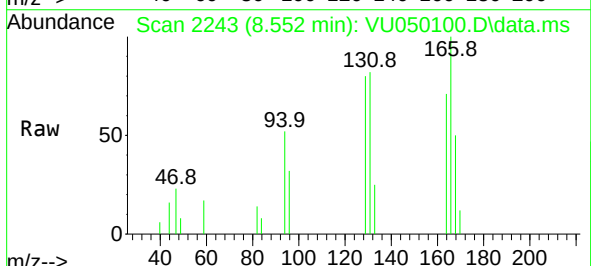
Acq: 05 Aug 2022 16:40

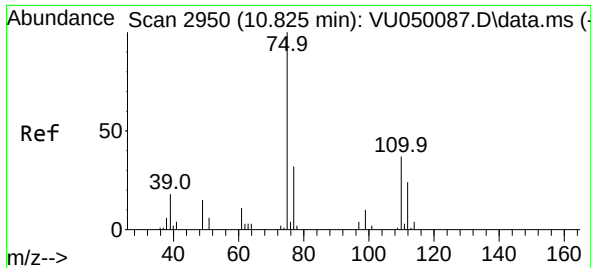
Tgt Ion:129 Resp: 2252

Ion Ratio Lower Upper

129 100

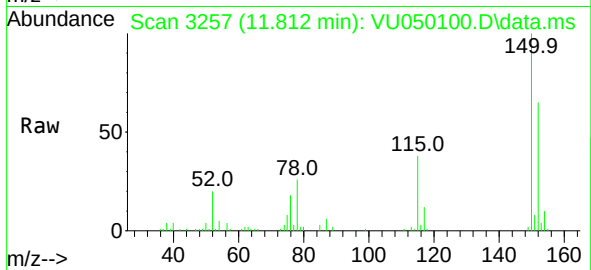
127 0.0 55.3 102.7#





#61
 1,2,3-Trichloropropane
 Concen: 0.871 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU050100.D
 Acq: 05 Aug 2022 16:40

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	28.5	42.7#
77	31.5	25.8	38.6

