

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012722\
 Data File : VU046878.D
 Acq On : 27 Jan 2022 18:38
 Operator : SY/MD
 Sample : N1273-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0HK4

Quant Time: Jan 28 01:02:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 28 00:56:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	106627	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	117116	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	55544	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	66598	7.371	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	147.400%#
7) Chloroethane-d5	1.919	69	29712	4.174	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.575	65	14324	3.986	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.800%
20) 2-Butanone-d5	4.649	46	119246	44.550	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.100%
24) Chloroform-d	5.067	84	67802	4.275	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
26) 1,2-Dichloroethane-d4	5.706	65	38481	4.455	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	5.732	84	133966	3.892	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
36) 1,2-Dichloropropane-d6	6.697	67	44985	4.353	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.899	98	112957	3.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.800%
43) trans-1,3-Dichloroprop...	8.182	79	17301	3.812	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.200%
46) 2-Hexanone-d5	8.636	63	112664	41.923	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.840%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	41918	4.040	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	45696	4.387	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	3015	0.365	ug/L	98
5) Vinyl chloride	1.607	62	4752903	552.714	ug/L	100
8) Chloroethane	1.941	64	5040	1.018	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	26444	4.244	ug/L #	32
12) 1,1-Dichloroethene	2.584	96	11477123	1927.713	ug/L #	53
18) trans-1,2-Dichloroethene	3.363	96	33564	5.205	ug/L	93
19) 1,1-Dichloroethane	3.877	63	1133760	104.727	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	5606840	824.220	ug/L	100
27) 1,2-Dichloroethane	5.800	62	53966	7.115	ug/L	99
29) 1,1,1-Trichloroethane	5.324	97	49750	4.716	ug/L	97
31) Carbon tetrachloride	5.321	117	6339	0.700	ug/L	98
33) Benzene	5.777	78	41683	1.512	ug/L	100
34) Trichloroethene	6.559	95	17183887	2400.277	ug/L	98
35) Methylcyclohexane	6.697	83	10636	0.887	ug/L #	19
37) 1,2-Dichloropropane	6.793	63	2493	0.369	ug/L #	77
39) cis-1,3-Dichloropropene	7.568	75	1180	0.112	ug/L #	75
42) Toluene	7.973	91	41261	1.252	ug/L	100
45) 1,1,2-Trichloroethane	8.407	97	3998	0.695	ug/L	95
47) Tetrachloroethene	8.568	164	7116537	1222.236	ug/L	97

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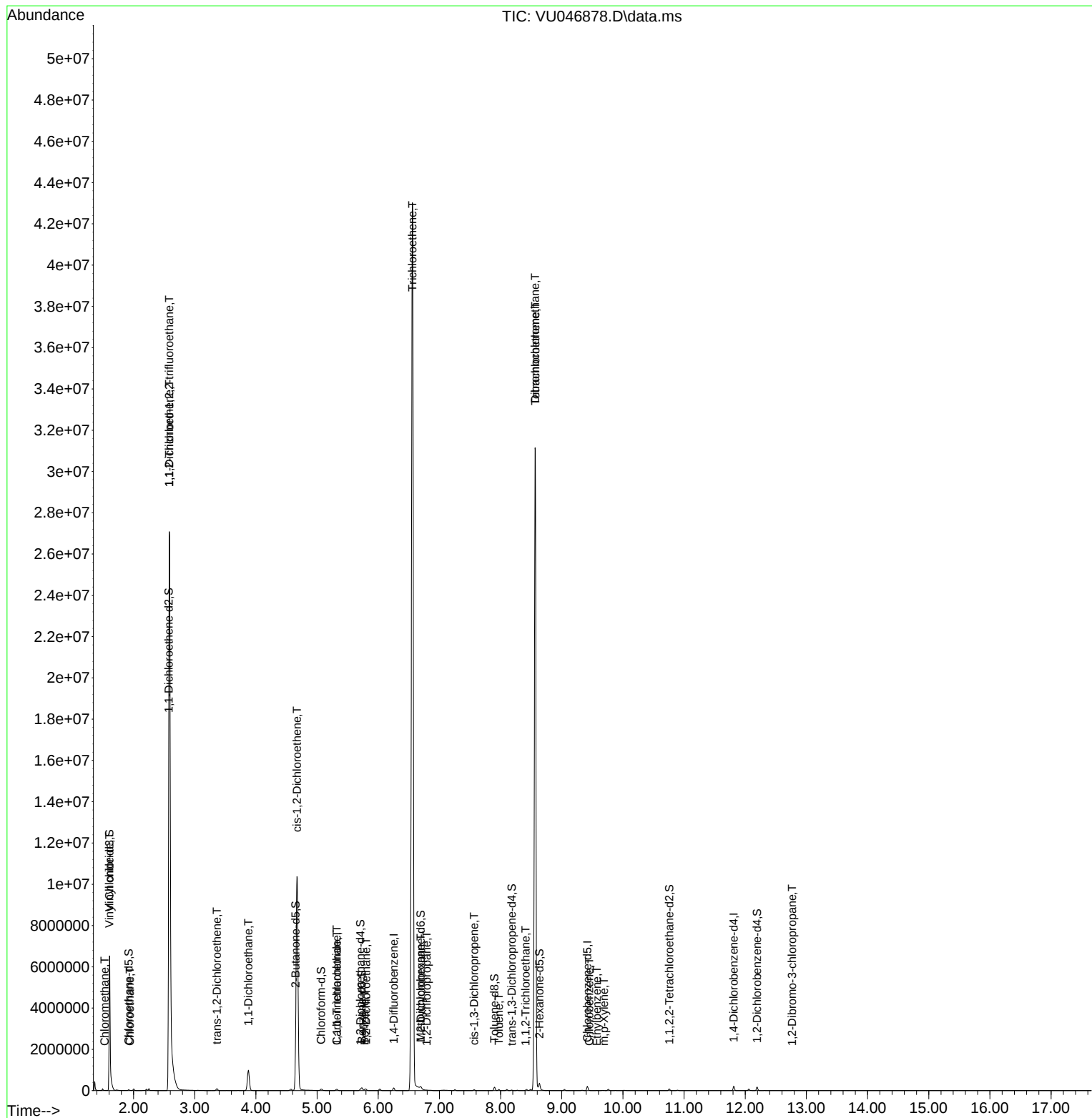
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.565	129	7285454	1073.225	ug/L #	10
51) Chlorobenzene	9.449	112	3747	0.196	ug/L	90
52) Ethylbenzene	9.574	91	5821	0.186	ug/L	90
53) m,p-Xylene	9.690	106	1715	0.137	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.767	75	186	0.190	ug/L #	7

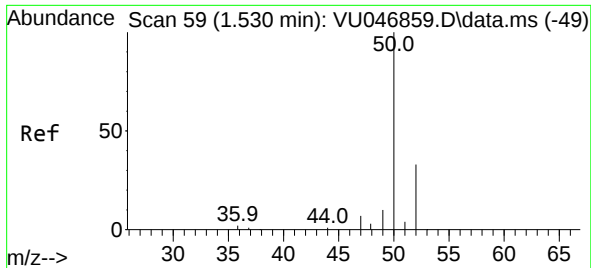
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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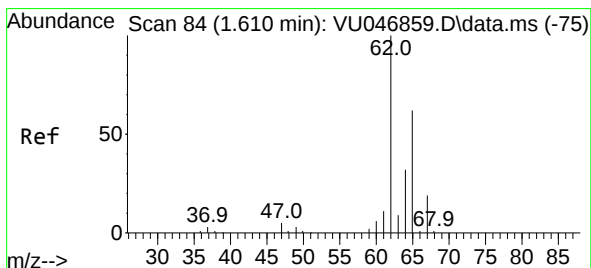
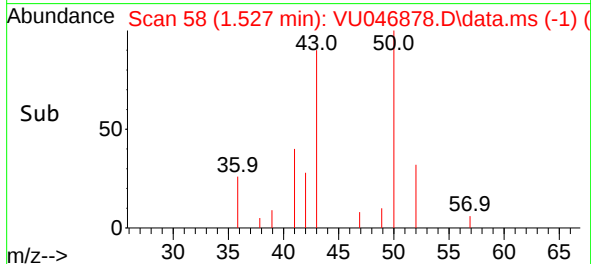
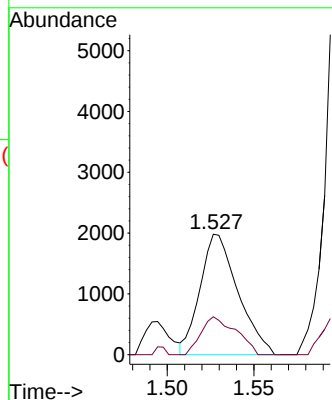
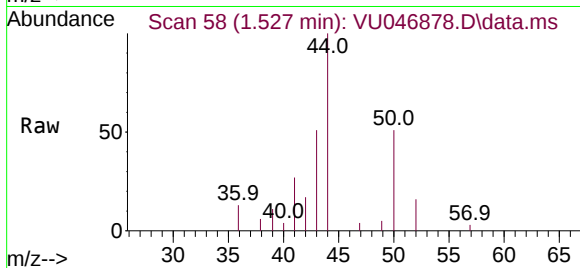




#3
Chloromethane
Concen: 0.365 ug/L
RT: 1.527 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

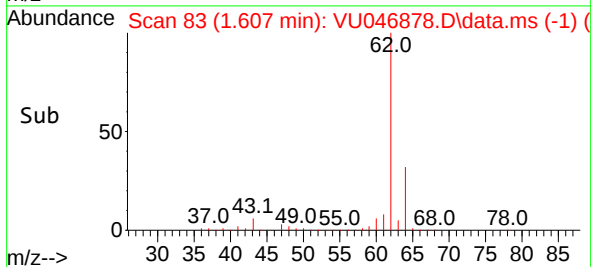
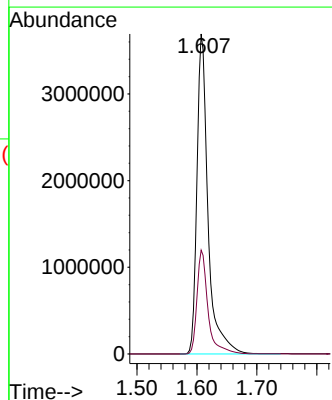
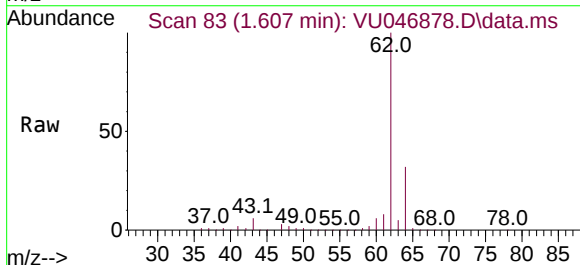
Instrument :
MSVOA_U
ClientSampleId :
C0HK4

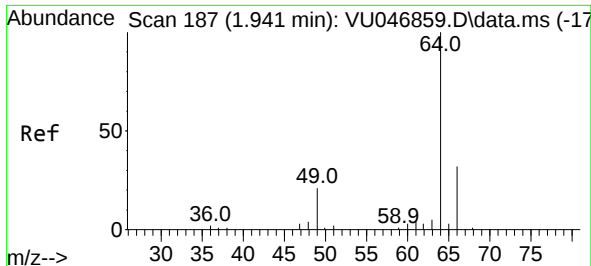
Tgt Ion: 50 Resp: 3015
Ion Ratio Lower Upper
50 100
52 31.5 23.0 42.8



#5
Vinyl chloride
Concen: 552.714 ug/L
RT: 1.607 min Scan# 83
Delta R.T. -0.003 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

Tgt Ion: 62 Resp: 4752903
Ion Ratio Lower Upper
62 100
64 32.5 22.9 42.5

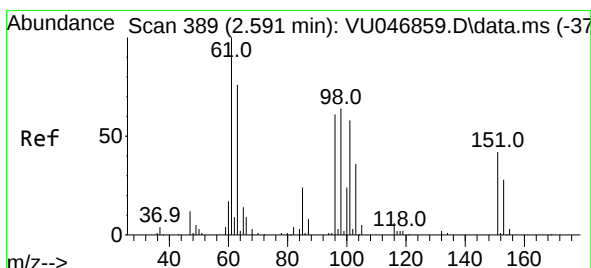
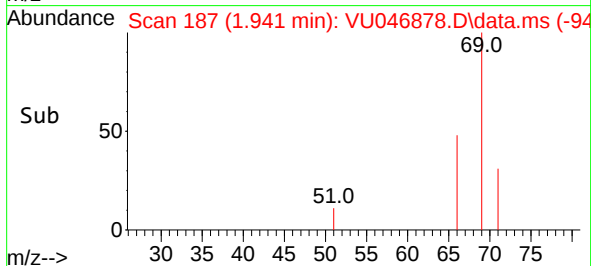
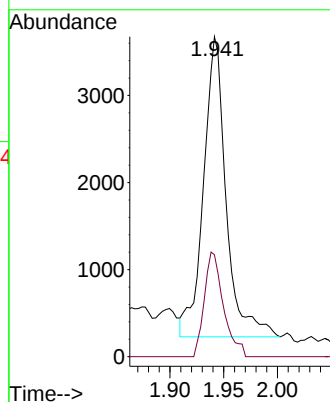
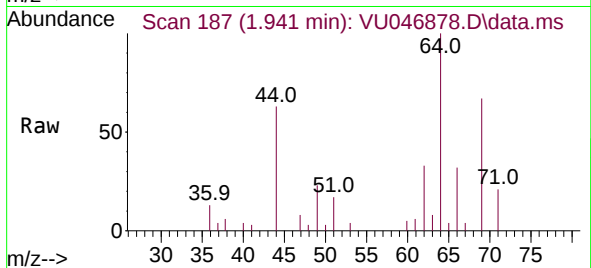




#8
Chloroethane
Concen: 1.018 ug/L
RT: 1.941 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

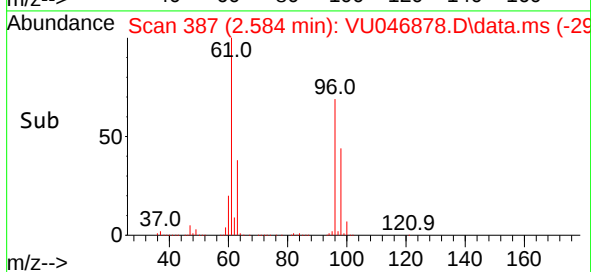
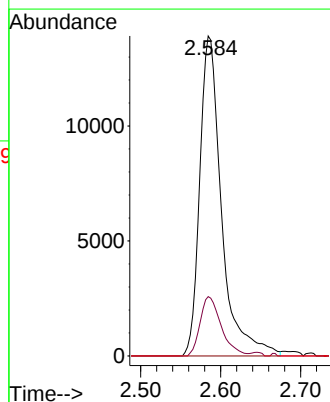
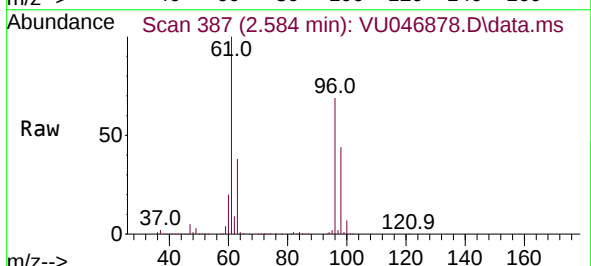
Instrument :
MSVOA_U
ClientSampleId :
C0HK4

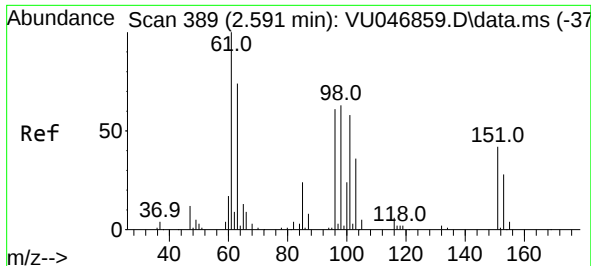
Tgt Ion: 64 Resp: 5040
Ion Ratio Lower Upper
64 100
66 31.9 22.1 41.1



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.244 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.006 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

Tgt Ion:101 Resp: 26444
Ion Ratio Lower Upper
101 100
85 17.9 34.6 51.8#
151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 1927.713 ug/L

RT: 2.584 min Scan# 31

Delta R.T. -0.006 min

Lab File: VU046878.D

Acq: 27 Jan 2022 18:38

Instrument :

MSVOA_U

ClientSampleId :

C0HK4

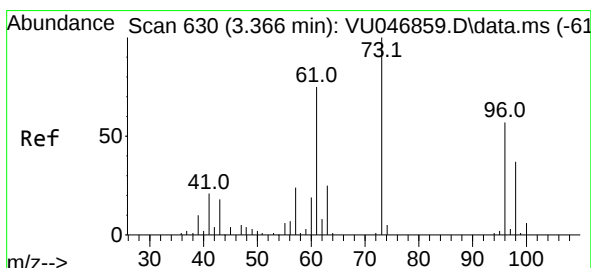
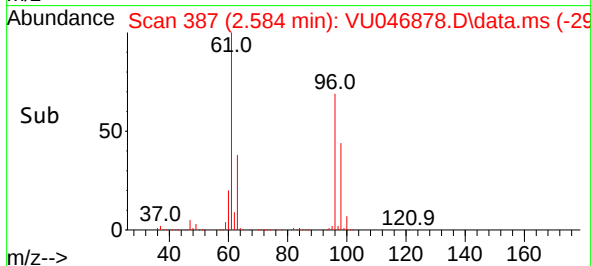
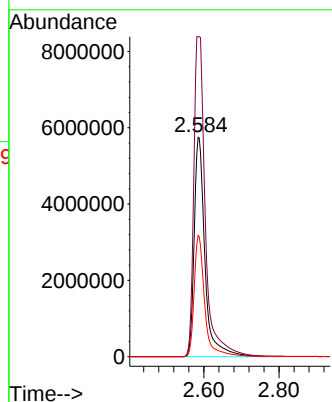
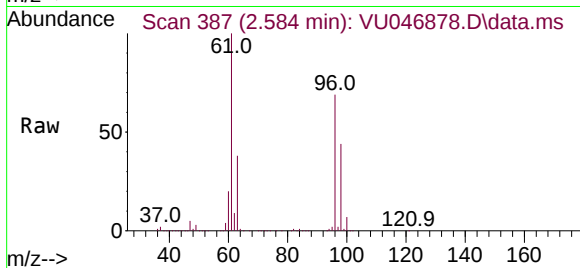
Tgt Ion: 96 Resp:11477123

Ion Ratio Lower Upper

96 100

61 145.8 124.7 231.5

63 55.2 105.2 195.4#



#18

trans-1,2-Dichloroethene

Concen: 5.205 ug/L

RT: 3.363 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU046878.D

Acq: 27 Jan 2022 18:38

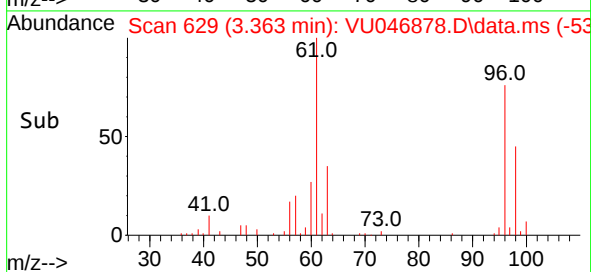
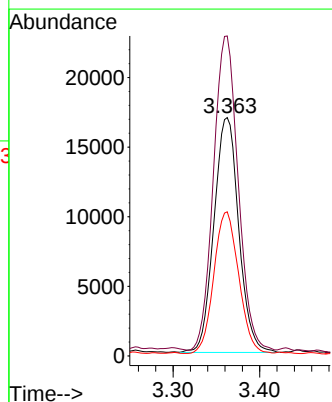
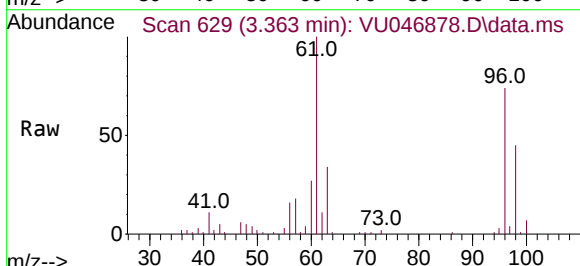
Tgt Ion: 96 Resp: 33564

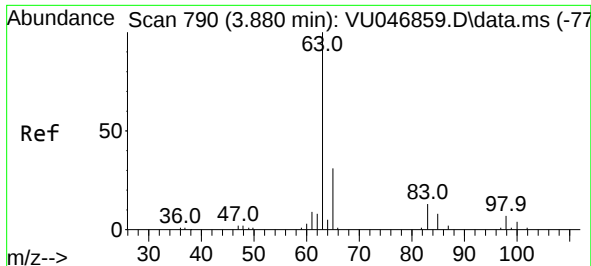
Ion Ratio Lower Upper

96 100

61 134.2 100.8 187.2

98 60.5 45.1 83.7

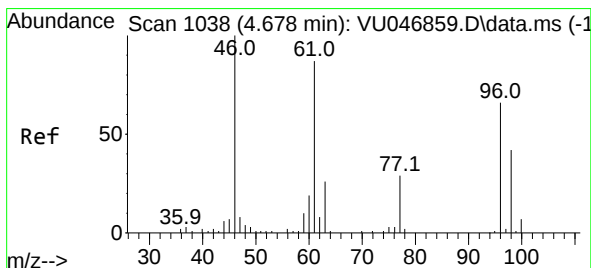
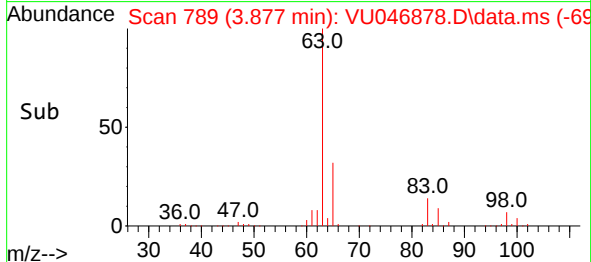
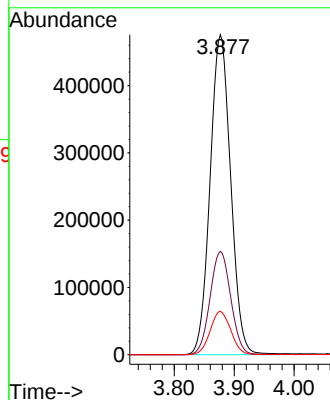
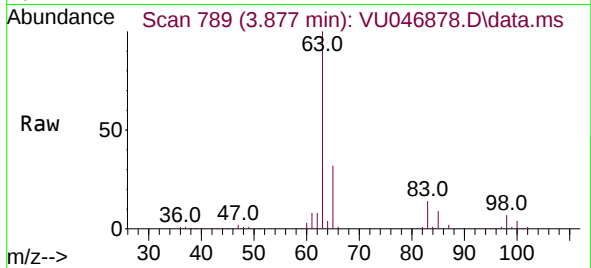




#19
1,1-Dichloroethane
Concen: 104.727 ug/L
RT: 3.877 min Scan# 790
Delta R.T. -0.003 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

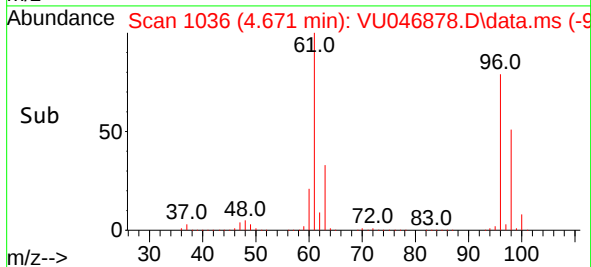
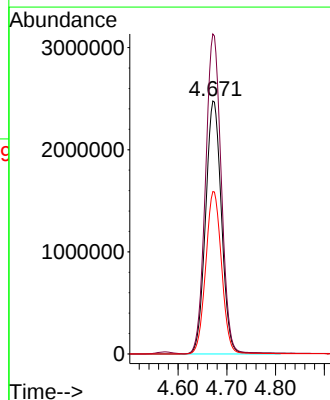
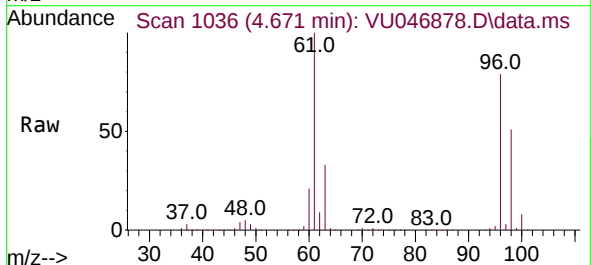
Instrument :
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ClientSampleId :
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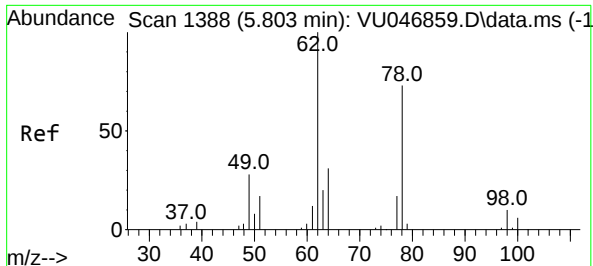
Tgt Ion: 63 Resp: 1133760
Ion Ratio Lower Upper
63 100
65 32.3 22.3 41.5
83 13.6 9.6 17.8



#22
cis-1,2-Dichloroethene
Concen: 824.220 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

Tgt Ion: 96 Resp: 5606840
Ion Ratio Lower Upper
96 100
61 126.5 88.5 164.3
98 64.2 44.4 82.5





#27

1,2-Dichloroethane

Concen: 7.115 ug/L

RT: 5.800 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU046878.D

Acq: 27 Jan 2022 18:38

Instrument :

MSVOA_U

ClientSampleId :

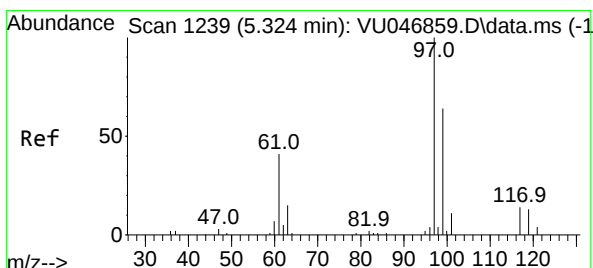
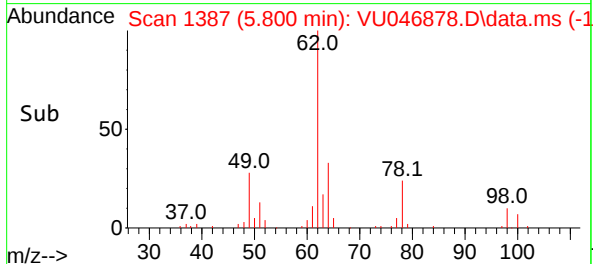
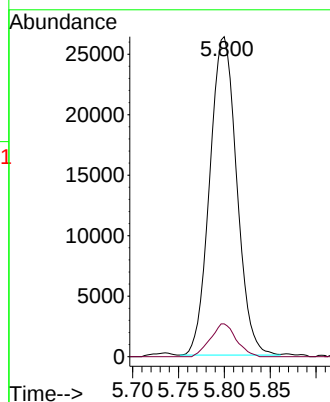
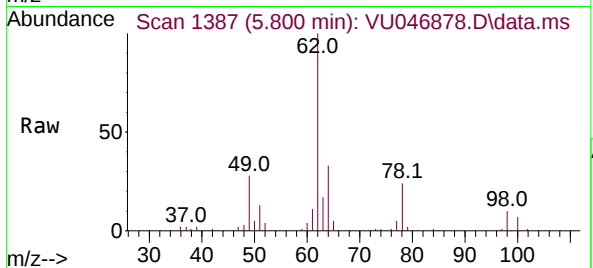
C0HK4

Tgt Ion: 62 Resp: 53966

Ion Ratio Lower Upper

62 100

98 10.3 7.8 11.8



#29

1,1,1-Trichloroethane

Concen: 4.716 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VU046878.D

Acq: 27 Jan 2022 18:38

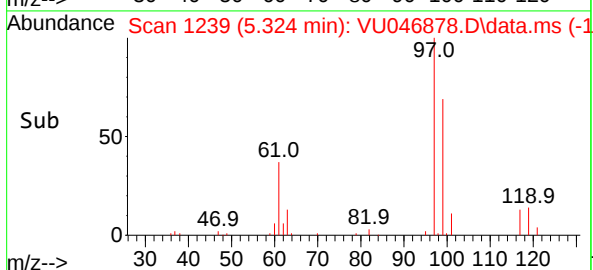
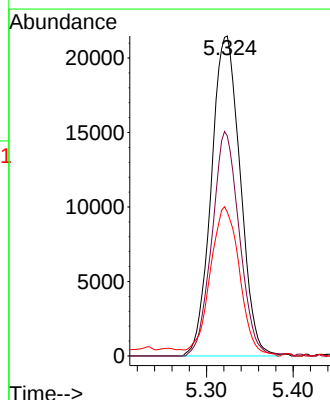
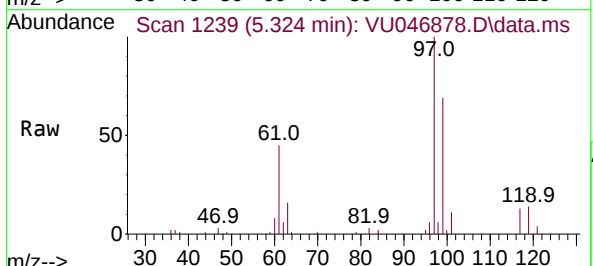
Tgt Ion: 97 Resp: 49750

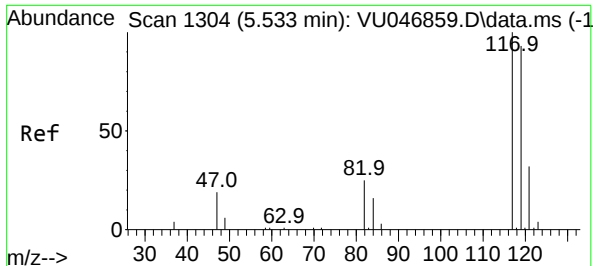
Ion Ratio Lower Upper

97 100

99 66.6 51.3 76.9

61 47.4 36.1 54.1

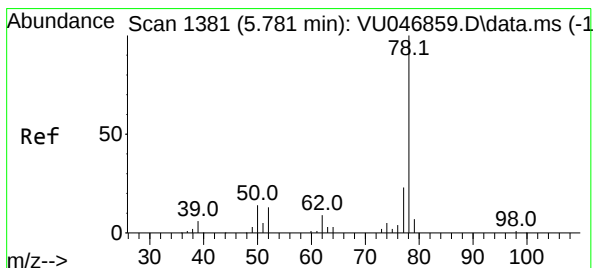
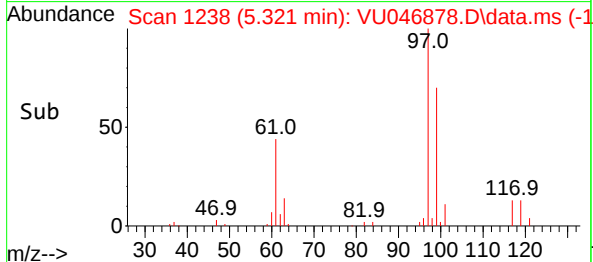
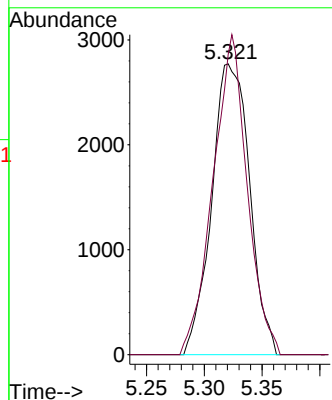
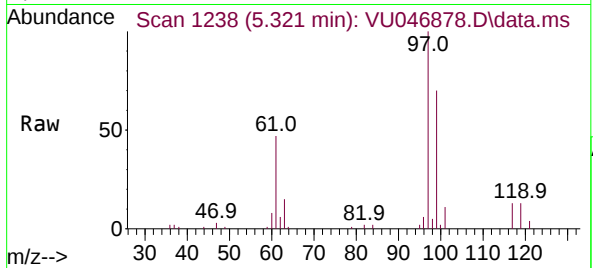




#31
Carbon tetrachloride
Concen: 0.700 ug/L
RT: 5.321 min Scan# 11
Delta R.T. -0.212 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

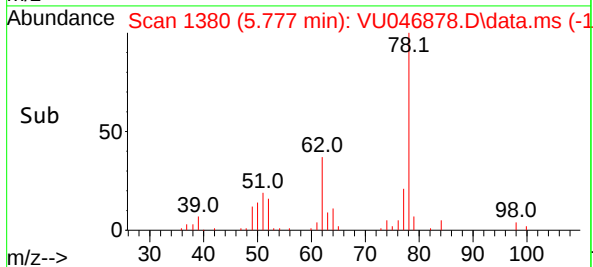
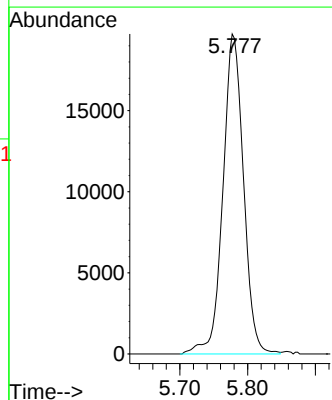
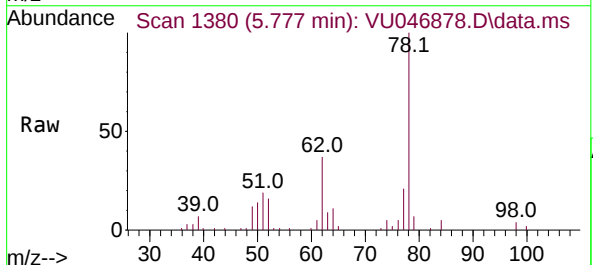
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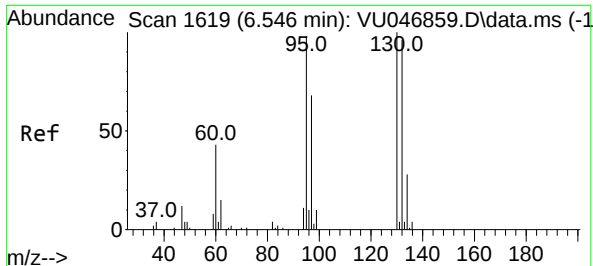
Tgt Ion:117 Resp: 6339
Ion Ratio Lower Upper
117 100
119 99.1 77.5 116.3



#33
Benzene
Concen: 1.512 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

Tgt Ion: 78 Resp: 41683



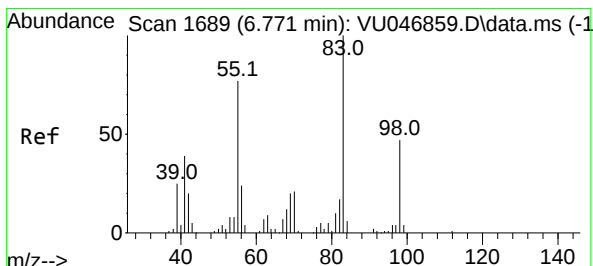
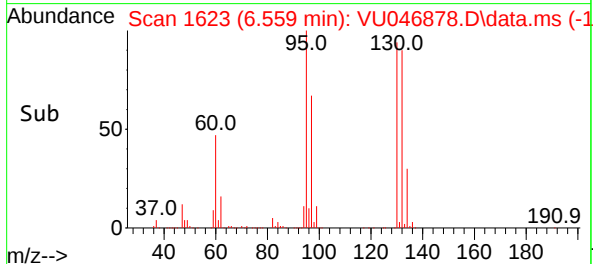
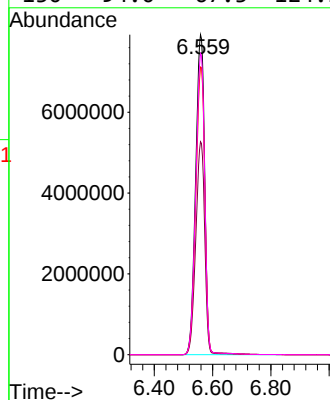
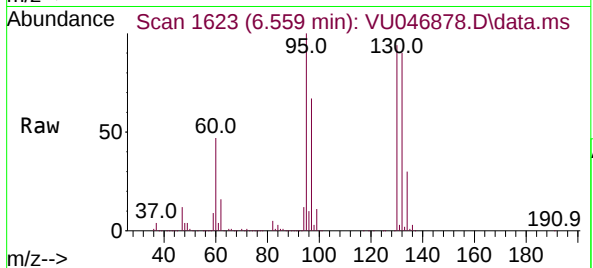


#34
Trichloroethene
Concen: 2400.277 ug/L
RT: 6.559 min Scan# 1623
Delta R.T. 0.013 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

Instrument :
MSVOA_U
ClientSampleId :
C0HK4

Tgt Ion: 95 Resp:17183887

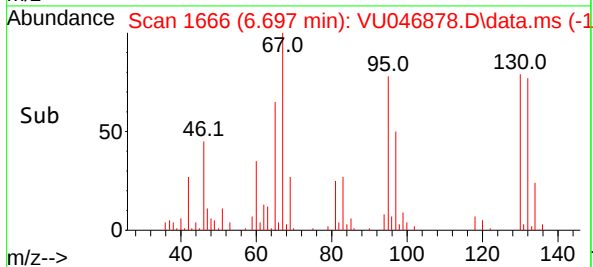
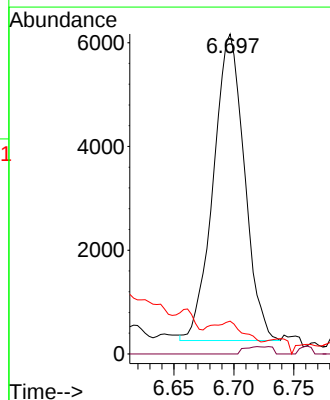
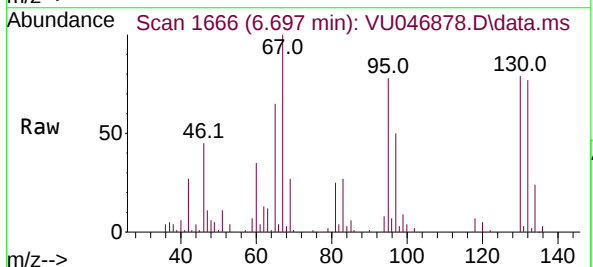
Ion	Ratio	Lower	Upper
95	100		
97	66.5	46.5	86.5
132	89.9	65.1	120.9
130	94.0	67.3	124.9

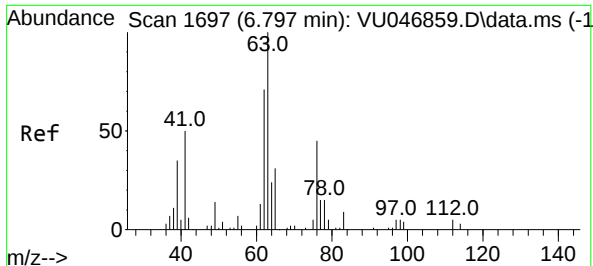


#35
Methylcyclohexane
Concen: 0.887 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.074 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

Tgt Ion: 83 Resp: 10636

Ion	Ratio	Lower	Upper
83	100		
55	2.1	61.9	92.9#
98	0.0	39.0	58.6#





#37

1,2-Dichloropropane

Concen: 0.369 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046878.D

Acq: 27 Jan 2022 18:38

Instrument :

MSVOA_U

ClientSampleId :

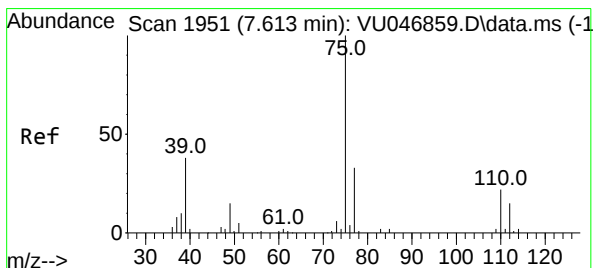
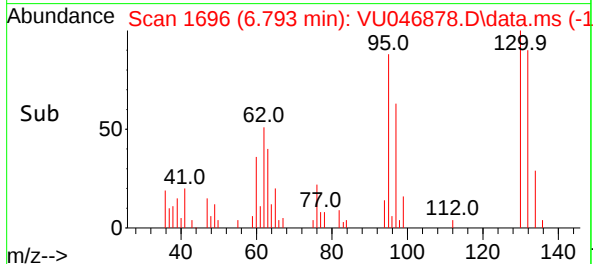
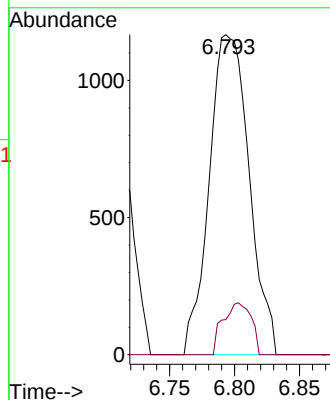
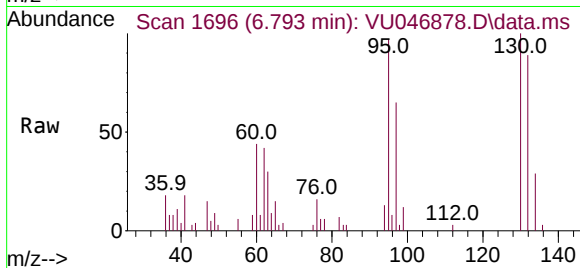
C0HK4

Tgt Ion: 63 Resp: 2493

Ion Ratio Lower Upper

63 100

112 11.4 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.112 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.045 min

Lab File: VU046878.D

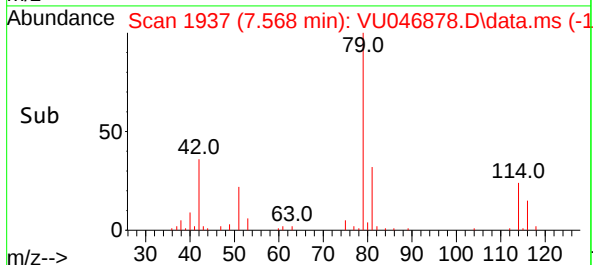
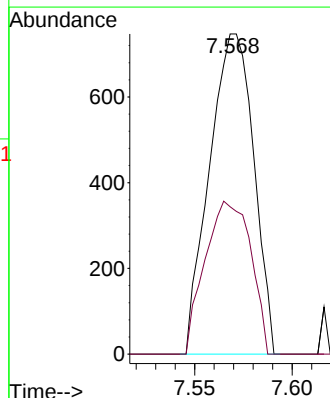
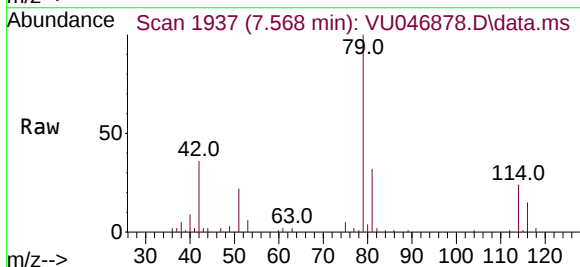
Acq: 27 Jan 2022 18:38

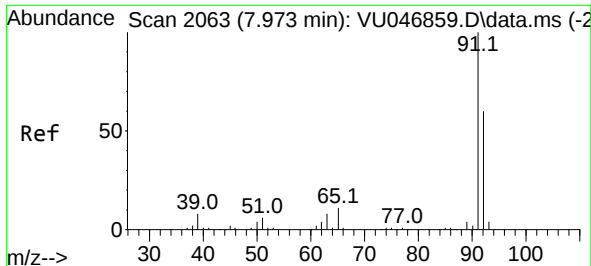
Tgt Ion: 75 Resp: 1180

Ion Ratio Lower Upper

75 100

77 46.1 22.5 41.9#





#42

Toluene

Concen: 1.252 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046878.D

Acq: 27 Jan 2022 18:38

Instrument :

MSVOA_U

ClientSampleId :

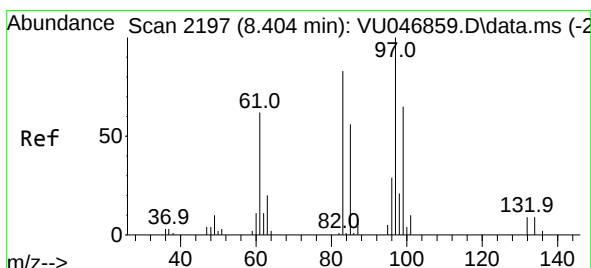
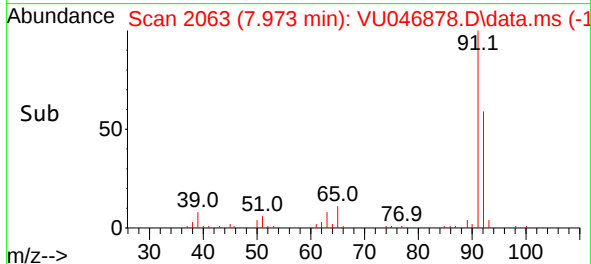
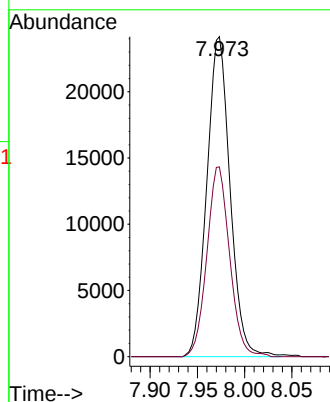
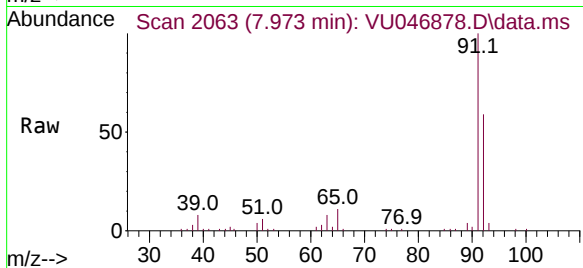
C0HK4

Tgt Ion: 91 Resp: 41261

Ion Ratio Lower Upper

91 100

92 59.3 41.3 76.7



#45

1,1,2-Trichloroethane

Concen: 0.695 ug/L

RT: 8.407 min Scan# 2198

Delta R.T. 0.003 min

Lab File: VU046878.D

Acq: 27 Jan 2022 18:38

Tgt Ion: 97 Resp: 3998

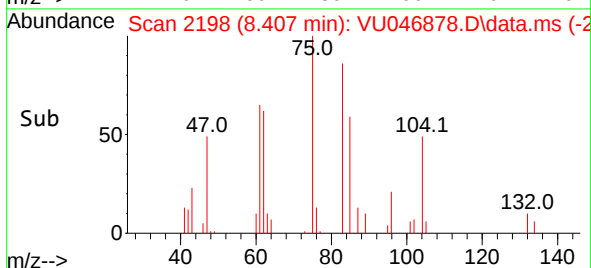
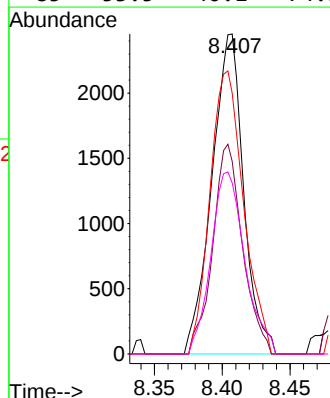
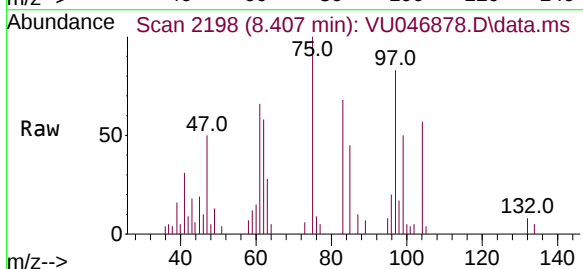
Ion Ratio Lower Upper

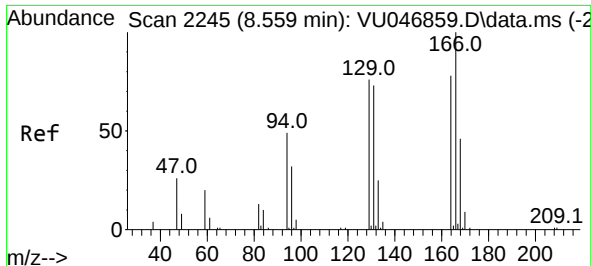
97 100

99 60.2 42.3 78.5

83 81.5 62.0 115.2

85 53.5 40.1 74.5

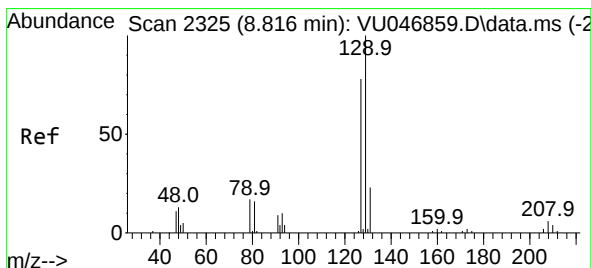
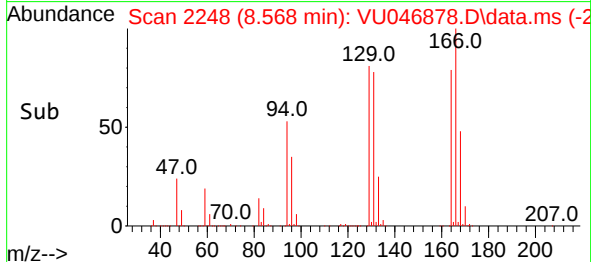
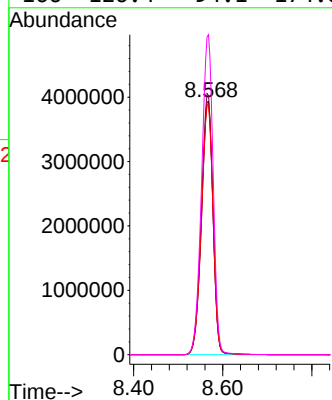
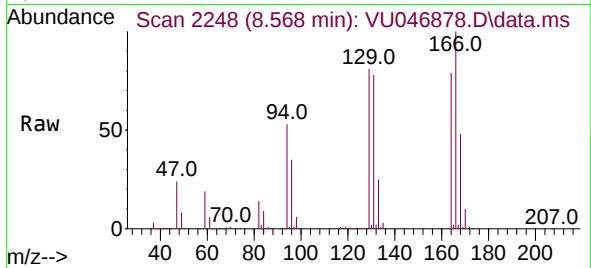




#47
Tetrachloroethene
Concen: 1222.236 ug/L
RT: 8.568 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

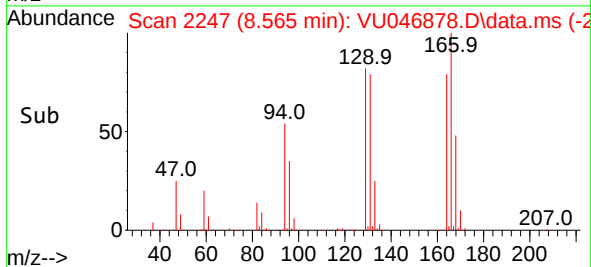
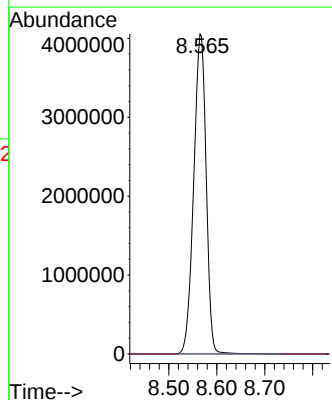
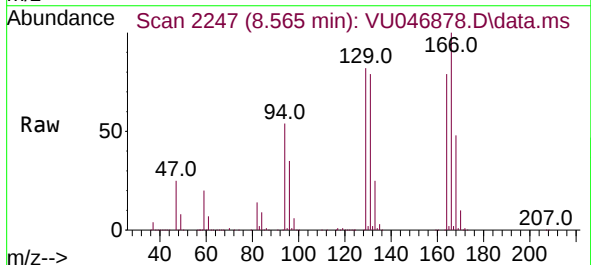
Instrument :
MSVOA_U
ClientSampleId :
C0HK4

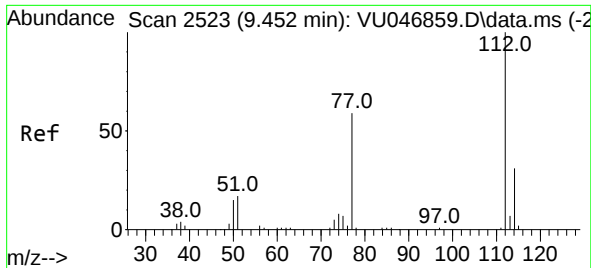
Tgt Ion:164 Resp: 7116537
Ion Ratio Lower Upper
164 100
129 102.4 71.8 133.4
131 98.6 68.5 127.3
166 126.4 94.1 174.8



#49
Dibromochloromethane
Concen: 1073.225 ug/L
RT: 8.565 min Scan# 2247
Delta R.T. -0.251 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

Tgt Ion:129 Resp: 7285454
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#

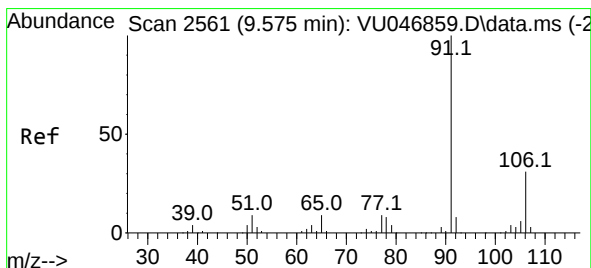
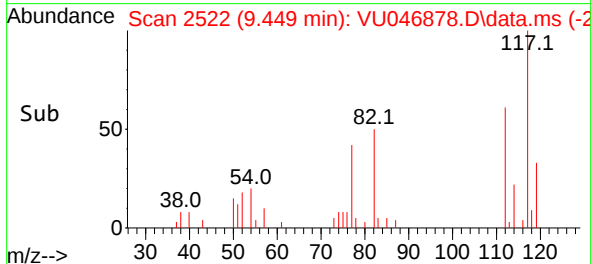
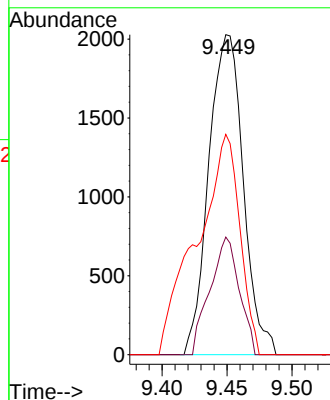
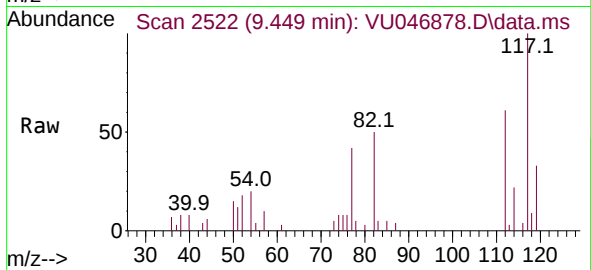




#51
Chlorobenzene
Concen: 0.196 ug/L
RT: 9.449 min Scan# 2523
Delta R.T. -0.003 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

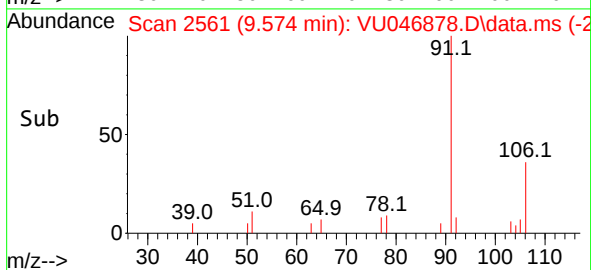
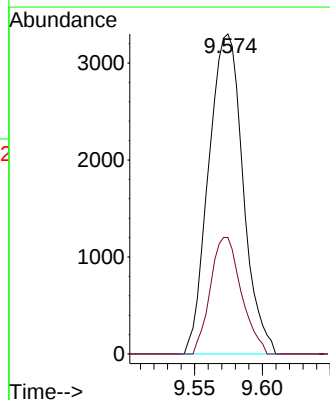
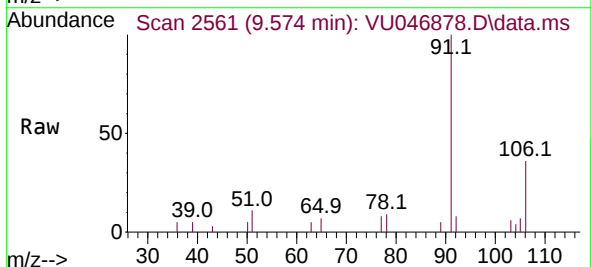
Instrument :
MSVOA_U
ClientSampleId :
C0HK4

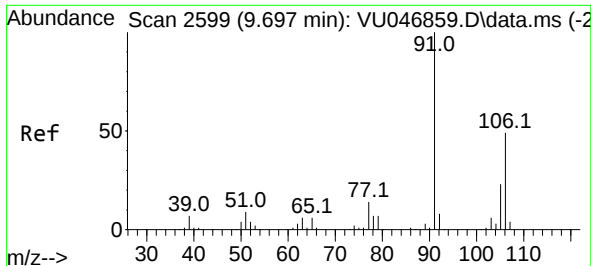
Tgt Ion:112	Resp:	3747
Ion Ratio	Lower	Upper
112	100	
114	36.7	22.1 41.1
77	68.8	48.3 72.5



#52
Ethylbenzene
Concen: 0.186 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU046878.D
Acq: 27 Jan 2022 18:38

Tgt Ion: 91	Resp:	5821
Ion Ratio	Lower	Upper
91	100	
106	36.4	21.5 39.9

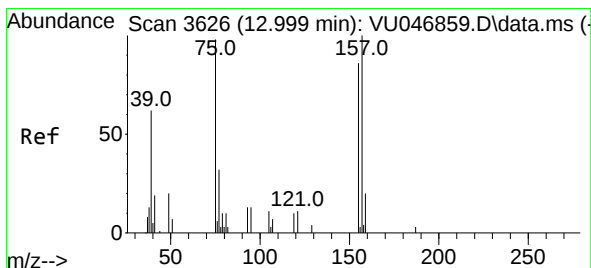
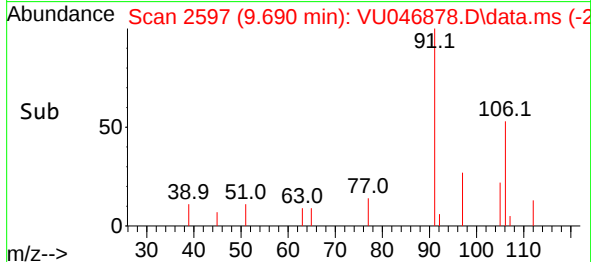
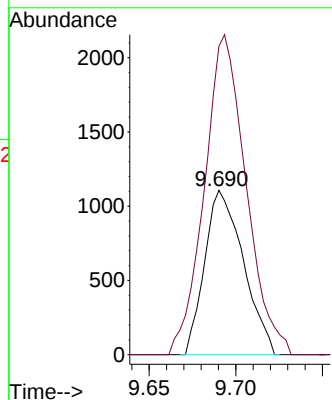
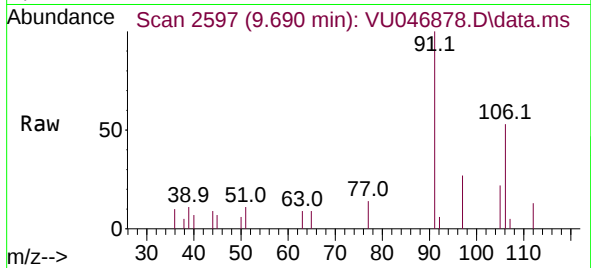




#53
 m,p-Xylene
 Concen: 0.137 ug/L
 RT: 9.690 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: VU046878.D
 Acq: 27 Jan 2022 18:38

Instrument :
 MSVOA_U
 ClientSampleId :
 C0HK4

Tgt Ion:106 Resp: 1715
 Ion Ratio Lower Upper
 106 100
 91 187.7 139.4 259.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.190 ug/L
 RT: 12.767 min Scan# 3554
 Delta R.T. -0.232 min
 Lab File: VU046878.D
 Acq: 27 Jan 2022 18:38

Tgt Ion: 75 Resp: 186
 Ion Ratio Lower Upper
 75 100
 155 0.0 59.2 88.8#
 157 0.0 76.5 114.7#

